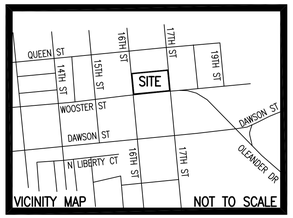
SURVEY TOPO AND BOUNDARY PROVIDED BY :



VICINITY MAP NOT TO SCALE

SURVEYOR'S NOTE:

THIS MAP IS SUBJECT TO INFORMATION THAT WOULD BE REVEALED BY A CURRENT TITLE OPINION.

CERTIFICATE:
THIS SURVEY IS OF AN EXISTING PARCEL OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET. (FUTURE RECOMBINATION MAP FOR RECORD TO BE RECORDED)

NORTH CAROLINA PROFESSIONAL SEAL L-2962 LAND SURVEYOR MICHAEL N. UNDERWOOD

FEBRUARY 26, 2014
MICHAEL N. UNDERWOOD, P.L.S. L-2962 DATE

NORTH CAROLINA

NEW HANOVER COUNTY

I, MICHAEL N. UNDERWOOD, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DESCRIPTION AS SHOWN ON THE FACE OF THIS PLAT RATIO OF PRECISION AS CALCULATED BY COMPUTER IS 1/10,000 + THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN BY BROKEN LINES PLOTTED FROM INFORMATION REFERENCED THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH "THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA" WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 26TH DAY OF FEBRUARY A.D., 2014.

MICHAEL N. UNDERWOOD, P.L.S.
LICENSE NUMBER L-2962
SEAL OR STAMP

© 2014 MICHAEL UNDERWOOD AND ASSOCIATES, PA

MICHAEL UNDERWOOD and ASSOCIATES, PA
102 CINEMA DRIVE, SUITE C
WILMINGTON, NC 28403
PHONE: 910-815-0650
FAX: 910-815-0393
FIRM LICENSE NO.: C-0615

APPROVED CONSTRUCTION PLAN
NAME _____ DATE _____
PLANNING _____
TRAFFIC _____
FIRE _____

STORMWATER MANAGEMENT PLAN APPROVED
CITY OF WILMINGTON ENGINEERING DEPARTMENT
DATE _____
PERMIT # _____
SIGNED _____

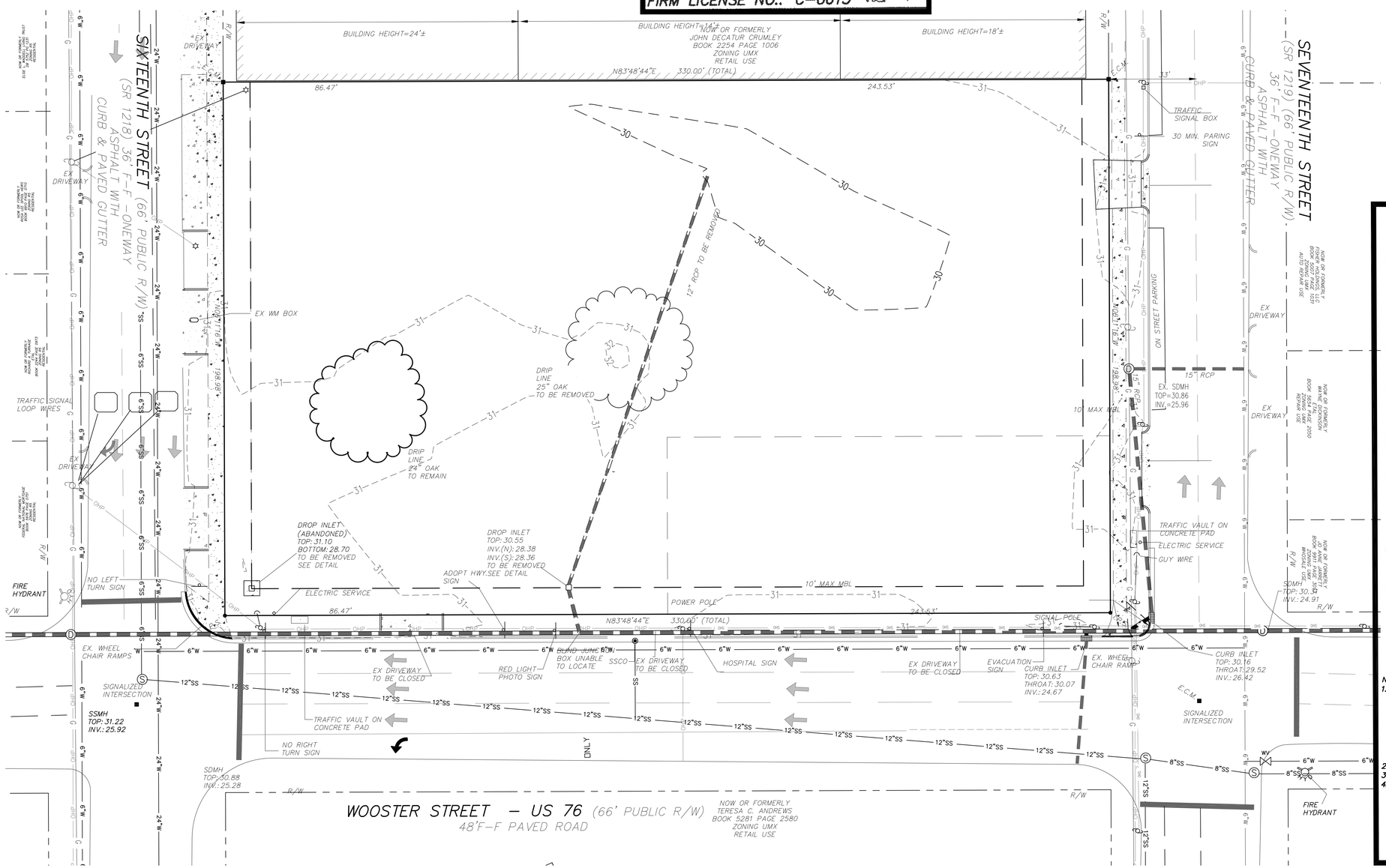
CIVIL LEGEND

SS	SANITARY SEWER (GRAVITY) WITH SIZE
S	STORM SEWER
W	DOMESTIC WATER WITH SIZE
OHP	OVERHEAD POWER
UGE	UNDERGROUND ELECTRICAL
G	UNDERGROUND GAS
OHS	OVERHEAD SIGNAL LINE
FO	UNDERGROUND FIBER OPTIC CABLE
	TRAFFIC SIGNAL BOX
	WATER VALVE
	RPZ BACKFLOW PREVENTER
	WATER METER
	SANITARY SEWER MANHOLE
	SIGN
	STORM DRAIN CURB INLET
	FIRE HYDRANT
TPED	SOILS BORE LOC.
GV	COMMUNICATIONS PEDESTAL
	UTILITY POLE/POLE WITH LIGHT
	GUY WIRE

LEGEND:

E.I.P.	EXISTING IRON PIPE
E.C.M.	EXISTING CONCRETE MONUMENT
E.I.R.	EXISTING IRON REBAR
O	PROPERTY CORNER
N.P.F.	NO POINT FOUND
℄	CENTER LINE
P	PROPERTY LINE
SS	SANITARY SEWER
MH	MANHOLE
CO	CLEAN OUT
SD	STORM DRAIN
W	WATER LINE
GAS	UNDERGROUND GAS
OHP	OVERHEAD POWER
UGE	UNDERGROUND ELECTRIC
FO	FIBER-OPTIC

WATER/DITCH
CHAIN LINK FENCE
BUILDING LINE
BOUNDARY LINE
CONCRETE AREA
GRAVEL AREA



SITE DATA

DEVELOPER
EASTERN PRIDE, INC.
2405-F NASH STREET
WILSON, NC 27896

OWNER
THOMASON REALTY INVEST LP
910 SAND MILLS BLVD
ABERDEEN, NC 28315

GENERAL CONTRACTOR:
STOCKS AND TAYLOR CONSTRUCTION, INC.
1825 CAROLINA AVENUE
WASHINGTON, NC 27889

GENERAL BUILDING INFORMATION
TOTAL LOT SIZE = 1.51 AC TO R/W

ZONING INFORMATION:
PARCEL ID NO. – R05411-011-008-000 R05411-011-001-000
TRACTS WILL BE RECOMBINED AND SUBDIVIDED PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
SITE ZONING: UMX
SETBACKS:
MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 0' – MAX. 10' MAX HEIGHT – 45'
SIDE: 0'
REAR: 0'
BUILDING HEIGHT: 20'

TRANSPORTATION CLASSIFICATION
WOOSTER STREET – URBAN PRINCIPAL ARTERIAL
16TH STREET – URBAN PRINCIPAL ARTERIAL
17TH STREET – URBAN PRINCIPAL ARTERIAL

CAMA LAND USE
URBAN

UTILITIES:
WATER LINE: CFPUA
WASTEWATER: CFPUA
ELECTRIC SERVICE: – UNDERGROUND – DUKE ENERGY
NATURAL GAS SERVICE: PIEDMONT NATURAL GAS

GENERAL SITE NOTES:
ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE
PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.
A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO THE REMOVAL OF ANY TREES ON THE SITE.

NOTES:
1.) SUBJECT PROPERTY "DOES NOT" LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "X"(OTHER AREAS) BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON PANEL No. 3127, FLOOD INSURANCE RATE MAP NO. 3720312700 J, WITH A EFFECTIVE DATE OF APRIL 3, 2006, FOR COMMUNITY NO. 370171, IN NEW HANOVER COUNTY, STATE OF NORTH CAROLINA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED.
2.) ALL DISTANCES ARE GROUND HORIZONTAL.
3.) NO N.C.G.S. FOUND WITHIN 2000'.
4.) UTILITY STATEMENT: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

SITE INVENTORY- EX. CONDITIONS

FAMILY DOLLAR STORE
S. 17TH ST.
722 S. 17TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UNPHLETT PEEDIN

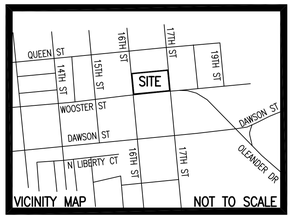
5/31/14

PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P-0530

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

Date Description

File No. 14001
Scale: 1" = 20'
Sheet No. C-001



A permit must be obtained from the city engineer prior to the removal, alteration or construction of any curb, driveway, gutter and/or pavement or prior to the performance of any other work in any public or private street. Conditions governing the issuance of such a permit are:

a. A continuing indemnity bond with sufficient surety acceptable to the city may be required of the party performing the work. All work must be done in conformity with the standards established herein.

b. The city shall be indemnified for any damages it might sustain as a result of the breach of condition above. The damages payable to the city shall be the amount required to make such improvement conform to city standards.

(2) A fee in accordance with the city's adopted fee schedule shall be paid to the city at the time the application for a driveway permit is made.

North Carolina
One-Call Center

811
Know what's below.
Call before you dig.

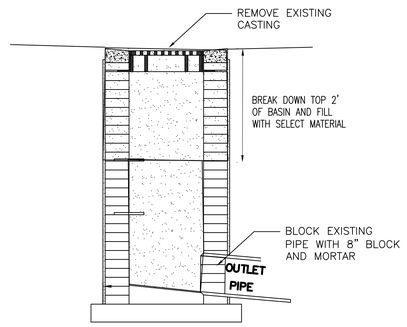
STORMWATER MANAGEMENT
PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT

DATE _____
PERMIT NO. _____
SIGNED _____

SURVEY TOPO AND BOUNDARY PROVIDED BY :

MICHAEL UNDERWOOD and ASSOCIATES, PA
102 CINEMA DRIVE, SUITE C
WILMINGTON, NC 28403
PHONE: 910-815-0650
FAX: 910-815-0393
FIRM LICENSE NO: C-0615

APPROVED CONSTRUCTION PLAN
NAME _____ DATE _____
PLANNING _____
TRAFFIC _____
FIRE _____



1 REMOVE DRAINAGE STRUCTURE
NTS

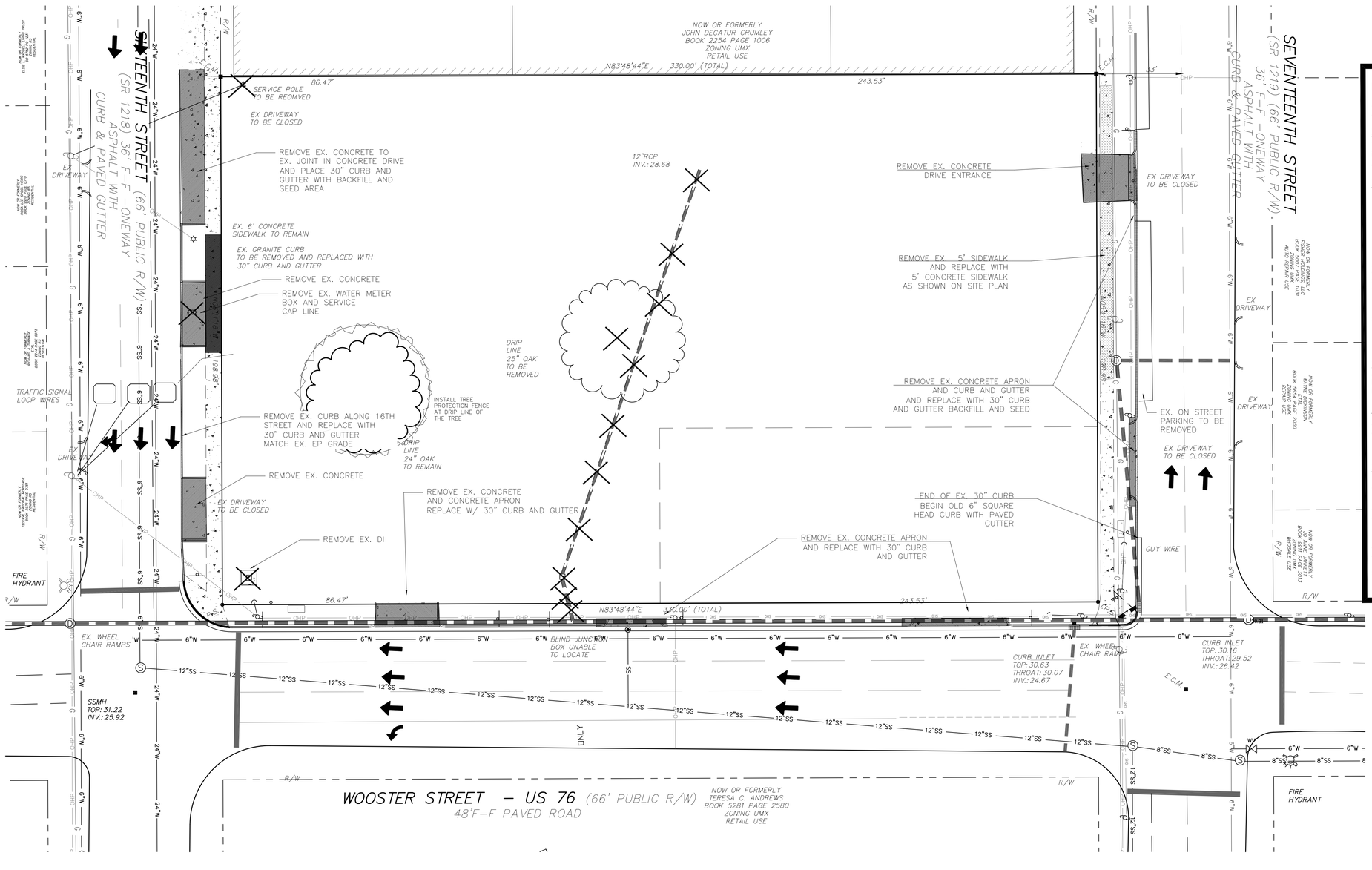
CIVIL LEGEND

SS	SANITARY SEWER (GRAVITY) WITH SIZE
	STORM SEWER
W	DOMESTIC WATER WITH SIZE
OHP	OVERHEAD POWER
UGE	UNDERGROUND ELECTRICAL
G	UNDERGROUND GAS
OHS	OVERHEAD SIGNAL LINE
FO	UNDERGROUND FIBER OPTIC CABLE
	TRAFFIC SIGNAL BOX
	WATER VALVE
	RPZ BACKFLOW PREVENTER
	WATER METER
S	SANITARY SEWER MANHOLE
	SIGN
	STORM DRAIN CURB INLET
	FIRE HYDRANT
	SOILS BORE LOC.
TPED	COMMUNICATIONS PEDESTAL
GV	
	UTILITY POLE/POLE WITH LIGHT
	GUY WIRE

LEGEND:

E.I.P.	EXISTING IRON PIPE
E.C.M.	EXISTING CONCRETE MONUMENT
E.I.R.	EXISTING IRON REBAR
O	PROPERTY CORNER
N.P.F.	NO POINT FOUND
℄	CENTER LINE
P	PROPERTY LINE
SS	SANITARY SEWER
MH	MANHOLE
CO	CLEAN OUT
SD	STORM DRAIN
W	WATER LINE
GAS	UNDERGROUND GAS
OHP	OVERHEAD POWER
UGE	UNDERGROUND ELECTRIC
FO	FIBER-OPTIC

WATER/DITCH
CHAIN LINK FENCE
BUILDING LINE
BOUNDARY LINE
CONCRETE AREA
GRAVEL AREA



SITE DATA

DEVELOPER
EASTERN PRIDE, INC.
2405-F NASH STREET
WILSON, NC 27896

OWNER
THOMASON REALTY INVEST LP
910 SAND MILLS BLVD.
ABERDEEN, NC 28315

GENERAL CONTRACTOR:
STOCKS AND TAYLOR CONSTRUCTION, INC.
1825 CAROLINA AVENUE
WASHINGTON, NC 27889

GENERAL BUILDING INFORMATION
BUILDING USE: COMMERCIAL – RETAIL
TOTAL LOT SIZE = 1.51 AC
LOT 1 = 0.395 AC TO R/W
LOT 2 = 1.115 AC TO R/W
BUILDING SIZE: 9,914 SF
BUILDING HEIGHT: 20 FT
BUILDING CONSTRUCTION TYPE = V-B

ZONING INFORMATION:
SITE ZONING: UMX
SETBACKS:
MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 0' – MAX. 10' MAX HEIGHT – 45'
SIDE: 0'
REAR: 0'
BUILDING HEIGHT: 20'

TRANSPORTATION CLASSIFICATION
WOOSTER STREET – URBAN PRINCIPAL ARTERIAL
16TH STREET – URBAN PRINCIPAL ARTERIAL
17TH STREET – URBAN PRINCIPAL ARTERIAL

CAMA LAND USE
URBAN

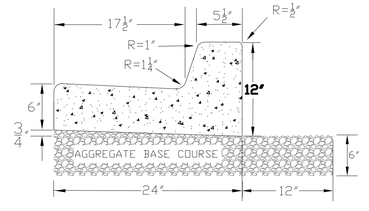
UTILITIES:
WATER LINE: CFPUA
WASTEWATER: CFPUA
ELECTRIC SERVICE: – UNDERGROUND – DUKE ENERGY
NATURAL GAS SERVICE: PIEDMONT NATURAL GAS

GENERAL SITE NOTES:

ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE

PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.
A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO THE REMOVAL OF ANY TREES ON THE SITE.

PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. AN NO CONSTRUCTION WORKERS, TOOLS, MATERIAL OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING. TREE PROTECTION FENCING MUST BE POSTED WITH SIGNAGE , IN ENGLISH AND SPANISH THAT NO WORKERS TOOLS, MATERIAL OR VEHICLES ARE PERMITTED WITH IN THE PROTECTED AREA.



VERTICAL CURB AND GUTTER

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

DEMOLITION PLAN

FAMILY DOLLAR STORE
S. 17TH ST.
722 S. 17TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

5/31/14

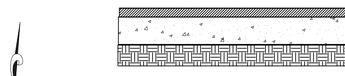
PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P-0530

Pamlico Engineering Services

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

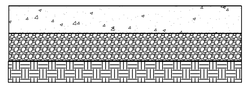
Date Description

File No. 14001
Scale: 1" = 20'
Sheet No. C-002



2 TYPICAL PAVEMENT SECTION

IN AREAS WITH OUT PERVIOUS CONCRETE Scale: Not To Scale



3 TYPICAL PERVIOUS PAVEMENT SECTION

Scale: Not To Scale

APPROVED CONSTRUCTION PLAN
NAME _____ DATE_____
PLANNING _____
TRAFFIC _____
FIRE _____

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____
PERMIT # _____
SIGNED _____

A. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
B. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 FORTY EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY
C. IMMEDIATELY NOTIFY CITY OF WILMINGTON TRAFFIC ENGINEERING AT 910-341-7888 IF ANY TRAFFIC SIGNAL FACILITIES OR CITY OWNED STREET LIGHT FACILITIES ARE DAMAGED
D. DAMAGED FACILITIES SHALL BE REPLACED BY AN APPROVED CONTRACTOR, ACCORDING TO STANDARD NCDOT REPLACEMENT SCHEDULES AND CURRENT NCDOT DESIGN STANDARDS
E. ALL REPAIR REPLACEMENT OF TRAFFIC SIGNAL INFRASTRUCTURE SHALL BE COORDINATED WITH THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION.
F. VERIFY THE LOCATION OF THE CITY OF WILMINGTON TRAFFIC SIGNAL SYSTEM FIBER RUNNING ALONG 16TH, 17TH AND WOOSTER ST. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DETERMINE IF THIS FIBER HAS TO BE RELOCATED

DEVELOPER
EASTERN PRIDE, INC.
2405-F NASH STREET
WILSON, NC 27896

OWNER
THOMASON REALTY INVEST LP
910 SAND MILLS BLVD
ABERDEEN, NC 28315

GENERAL CONTRACTOR:
STOCKS AND TAYLOR CONSTRUCTION, INC.
1825 CAROLINA AVENUE
WASHINGTON, NC 27889

GENERAL BUILDING INFORMATION
BUILDING USE: COMMERCIAL – RETAIL
TOTAL LOT SIZE = 1.51 AC
LOT 1 = 0.395 AC TO R/W
LOT 2 = 1.115 AC TO R/W
BUILDING SIZE: 9,914 SF

7427 SF RETAIL, 2487 SF OTHER
BUILDING HEIGHT: 20 FT
BUILDING CONSTRUCTION TYPE = V-B

BUILDING LOT COVERAGE
9914SF /65,775.6SF = 15.07%
NO. OF BUILDINGS = 1

SUMMARY OF SITE:

TOTAL IMPERVIOUS AREA
BUILDING = 9914.00 SF
SIDEWALK (ONSITE) = 1516.35 SF
PAVEMENT = 10,084.77 SF
PERVIOUS PAVEMENT = 10,531.22 SF
SIDEWALK = 2607.00 SF
(ON SITE ALONG WOOSTER)

TOTAL IMPERVIOUS AREA = 34,653.34 SF
TOTAL GREEN SPACE = 31,122.26 SF

TOTAL PERVIOUS PAVEMENT = 10,531.22 SF
% IMPERVIOUS EXISTING = 000%
% IMPERVIOUS PROPOSED = 34,653.34/65775.6 = 52.68%
(WITH NO CREDIT FOR PERVIOUS PAVEMENT)

ZONING INFORMATION:
PARCEL ID NO. – R05411-011-008-000 R05411-011-001-000
TRACTS WILL BE RECOMBINED AND SUBDIVIDED PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
SITE ZONING: UMX
SETBACKS:

MINIMUM BUILDING SETBACKS (REQUIRED)	PROVIDED
FRONT: 0' – MAX. 10'	7.8'
SIDE: 0'	5.3, 132.5'
REAR: 0'	91.2'
BUILDING HEIGHT MAX 45'	20'

TRANSPORTATION
WOOSTER STREET – URBAN PRINCIPAL ARTERIAL
16TH STREET – URBAN PRINCIPAL ARTERIAL
17TH STREET – URBAN PRINCIPAL ARTERIAL

CAMA LAND USE CLASSIFICATION
URBAN

SIGNAGE
FREE STANDING MAX AREA = 35 SF MONNUMENT
WALL SIGN MAX AREA = 200 SF
SIGNAGE WILL REQUIRE A SEPARATE PERMITTING AND REVIEW PROCESS THROUGH THE CITY ZONING DEPT.

SIGHT LIGHTING
ALL SIGHT LIGHTING SHALL BE LOCATED, ANGLED SHIELDED, AND OR LIMITED IN INTESITY SO AS TO CAST NO DIRECT LIGHT UPON ADJACENT PROPERTIES, SHALL MINIMIZE OFF-SITE BACKLIGHTING GLARE, AND UP LIGHTING. LIGHT POST SHALL BE NO TALLER THAN TWELVE FEET.

UTILITIES:
WATER LINE: CFPUA
WASTEWATER: CFPUA SEWER USAGE = 1080 GPD
WASTEWATER SERVICE: 4" SEWER SERVICE
WATER SERVICE: 1" WATER SERVICE WATER USAGE = 1080 GPD
ELECTRIC SERVICE: – UNDERGROUND – DUKE ENERGY
NATURAL GAS SERVICE: PIEDMONT NATURAL GAS

PARKING REQUIREMENTS:
PARKING SPACES TO BE TYPICAL (9 FEET X 20 FEET) UNLESS OTHERWISE NOTED
VEHICULAR REQUIREMENTS
PARKING BUILDING CODE REQUIREMENTS: 1 SPACE PER 200 SF RETAIL MAX
BICYCLE PARKING REQUIRED: 1 PER 1000 SF GFA PROVIDED: 10 SPACES

PARKING SPACES REQUIRED: 50 MAX
PARKING PROVIDED TOTAL: 37
HANDICAPPED ACCESSIBLE: 2
HANDICAPPED ACCESSIBLE PARKING TO BE (2 EQUAL SPACES) PER LOCAL CODE

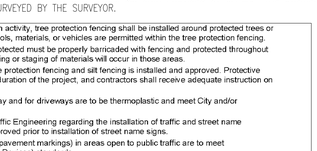
GENERAL SITE NOTES:
ALL NEW SERVICES SHALL MEET ALL NC BUILDING CODE REQUIREMENTS
ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE
PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES. A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO THE REMOVAL OF ANY TREES ON THE SITE.

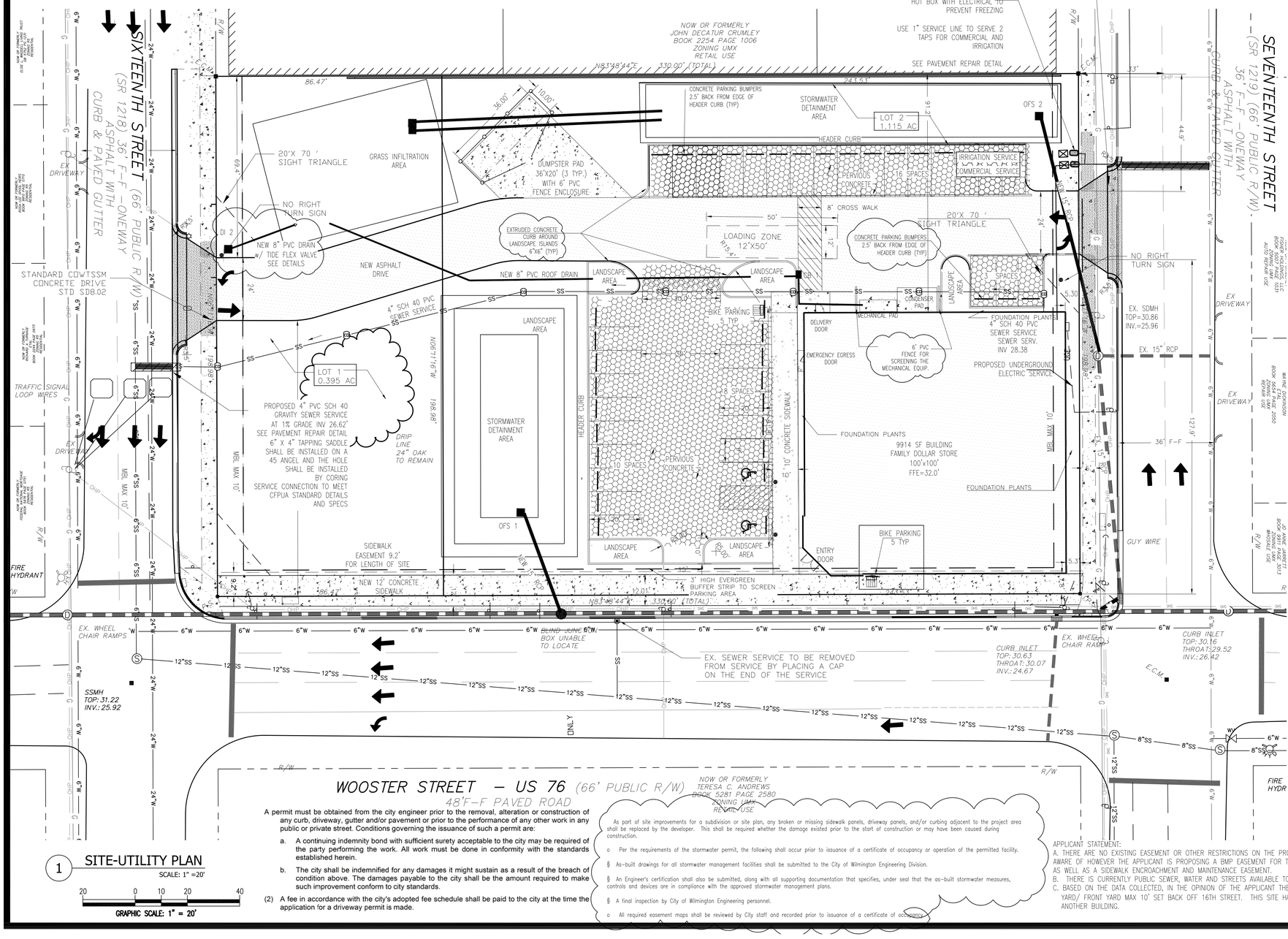
SITE SURVEY NOTES:
1) THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN A SPECIAL 100 YEAR FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP NO. 3720312700J DATED APRIL 13, 2006.
2) ALL N.C. GRID DATA SHOWN HEREON IS BASED ON NAD 1983 2007 ADJUSTMENT USING THE NCGS RTK NETWORK SYSTEM.
3) ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
4) ALL UTILITY LINES SHOWN HEREON MAY HAVE EASEMENTS AND RIGHTS OF ENTRANCE AND MAINTENANCE ASSOCIATED WITH THEM, HOWEVER NONE ARE PRESENT THAT HAVE BEEN RECORDED.
5) UNDERGROUND UTILITY LINES NOTED AS SUCH HEREON WERE FROM GIS DATA PROVIDED BY CFPUA. THE UTILITIES HAVE NOT BEEN PHYSICALLY SEEN AND SURVEYED BY THE SURVEYOR.

1. Prior to any clearing, grading or construction activity, tree protection fencing shall be installed around protected trees or groves of trees. No construction workers, tools, materials, or vehicles are permitted within the tree protection fencing.
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 will 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 pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards.
5. Once streets are open to traffic, contact Traffic Engineering regarding the installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
6. 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.
7. Contact Traffic Engineering at 910-341-7888 to ensure that all traffic signal facilities and equipment are shown on the plan.
8. Call Traffic Engineering at 910-341-7888 forty-eight (48) hours prior to any excavation in the right-of-way.
9. Traffic Engineering must approve of pavement marking prior to actual striping.
10. All parking stall markings and lane arrows within the parking areas shall be white.
11. All traffic control signs and markings off the right-of-way are to be maintained by the property owner.
12. Stop signs and street signs to remain in place during construction.
13. Tactile warning mats will be installed on all wheelchair ramps.
14. A utility cut permit is required for each open cut of a city street. , contact 910-341-5888 for more details. In certain cases an entire resurfacing of the area being cut may be required.
15. Any broken or missing sidewalk panels , driveway panels and curbing will be replaced by the developer.
16. Contact Karen Dixon at 910-341-7888 to discuss street lighting options.
17. Water and sewer service shall meet Cape Fear Public Utility Authority (CFPUA) details and specifications.
18. Project shall comply with CFPUA Cross Connection Control requirements. Water meter(s) cannot be released until all requirements are met and the State has given their final approval. Call 910-343-3910 for information.
19. If the contractor desires CFPUA water for construction, he shall apply in advance for this service and must provide a reduced pressure zone (RPZ) backflow prevention device on the developer's side of the water meter box.
20. Any irrigation system supplied by CFPUA water shall comply with the CFPUA Cross Connection Control regulations. Call 910-343-3910 for information.
21. Any irrigation system shall be equipped with a rain and freezer sensor.
22. Any backflow prevention devices required by the CFPUA will need to be on the list of approved devices by USCFCCCHR or ASSE.
23. Contractor to field verify existing water and sewer service locations, sizes and materials prior to construction. Engineer to be notified of any conflicts.
24. Contractor shall maintain all-weather access for emergency vehicles at all times during construction.
25. Underground fire line(s) must be permitted and inspected by the Wilmington Fire Department from the public right-of-way to the building. Contact the Wilmington Fire Department Division of Fire and Life Safety at 910-341-0696.
26. No obstructions are permitted in the space between thirty (30) inches and ten (10) feet above the ground within the triangular sight distance.
27. Contact the North Carolina One Call Center at 1-800-832-4949 prior to doing any digging, clearing, or grading
28. A TREE PRESERVTION/REMOVAL PERMIT IS REQUIRED.
29. CONTRACTOR TO VERIFY THE LOCATION OF THE CITY OF WILMINGTON TRAFFIC SIGNAL SYSTEM FIBER RUNNING ALONG 16TH, 17TH AND WOOSTER ST. CONTACT TRAFFIC ENGINEERING AT (910)341-7888 TO DETERMINE IF THIS FIBER HAS TO BE RELOCATED ALONG WITH THE OTHER UTILITIES.

NOTE:
SEE SHEET C001 FOR INVENTORY SHEET
SEE SHEET C002 FOR DEMOLITION
SEE SHEET C003 SITE UTILITY
SEE SHEET C004 FOR EROSION CONTROL MEASURES AND DETAILS
SEE SHEET C005 FOR STORM WATER MANAGEMENT PLAN
SEE SHEET C006 FOR LANDSCAPE PLANS
SEE SHEETS C 007-008 FOR DETAILS
SEE SHEET UP 1 FOR CFPUA UTILITY PLAN
SEE SHEET SSD2 – WSD 1-2 DETAIL SHEETS FOR CFPUA SHEETS

APPLICANT STATEMENT:
A. THERE ARE NO EXISTING EASEMENT OR OTHER RESTRICTIONS ON THE PROPERTY WHICH THE APPLICANT IS AWARE OF HOWEVER THE APPLICANT IS PROPOSING A BMP EASEMENT FOR THE PROPOSED BMP ON THE SITE AS WELL AS A SIDEWALK ENCROACHMENT AND MAINTENANCE EASEMENT.
B. THERE IS CURRENTLY PUBLIC SEWER, WATER AND STREETS AVAILABLE TO THIS SITE FOR USE.
C. BASED ON THE DATA COLLECTED, IN THE OPINION OF THE APPLICANT THE ONLY PROBLEM IS THE SIDE YARD/ FRONT YARD MAX 10' SET BACK OFF 16TH STREET. THIS SITE HAS NO INTENTIONS OF PLACING ANOTHER BUILDING.





1 SITE-UTILITY PLAN

SCALE: 1" =20'

20 0 10 20 40

GRAPHIC SCALE: 1" = 20'

(2) A fee in accordance with the city's adopted fee schedule shall be paid to the city at the time the application for a driveway permit is made.

As part of site improvements for a subdivision or site plan, any broken or missing sidewalk panels, driveway panels, and/or curbing adjacent to the project area shall be replaced by the developer. This shall be required whether the damage existed prior to the start of construction or may have been caused during construction.

- o 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 by City of Wilmington Engineering personnel.
- o All required easement maps shall be reviewed by City staff and recorded prior to issuance of a certificate of occupancy.

FAMILY DOLLAR STORE

S. 17TH ST.

722 S. 17TH STREET WILMINGTON, NC

SITE UTILITY PLAN

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

5/31/14

PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P–0530

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

REVISIONS

Date	Description
3/26/14	COW COMMENTS FROM TRC REV 1
5/8/14	MOVED BMP, BACK ADDED FOUNDATION PLANTINGS, ADD ADDED NOTES AND OTHER COW COMMENTS 2ND REVIEW
5/15/14	REVISED IMPERVIOUS AREA AND ADDED END NOTES
5/30/14	ADDED SCREENING FENCE TO WEST SIDE OF MECHANICAL PAD, DESIGNED NEW DI 1 FOR NCDOT

File No. 14001

Scale: 1" = 20'

Sheet No.

C-003

SEEDING PLAN

1. TEMPORARY SEEDING

PLANING DATES	GRASS TYPE	POUNDS/ACRE
DEC. 1 – APR. 15	RYE (GRAIN)	120
	KOBE LESPEDEZA	50
APR. 15 – AUG. 15	GERMAN MILLET	40
AUG. 15 – DEC. 1	RYE (GRAIN)	120
LIME		3,000
FERTILIZER	10–10–10	800
MULCH	STRAW	4,000

2. PERMANENT SEEDING

PLANING DATES	GRASS TYPE	POUNDS/ACRE
SEPT. 1 – OCT. 3	TALL FESCUE	200
	KOBE LESPEDEZA	50
	RYE (GRAIN)	25
LIME		4,000
FERTILIZER	10–10–10	1,000
MULCH	STRAW	4,000

INLET PROTECTION

LD LIMITS OF DISTURBANCE

SILT FENCE

ROCK CHECK DAM

OUTLET PROTECTION

TEMP. COSNTRUCTION ENTRANCE

ARC FILTER

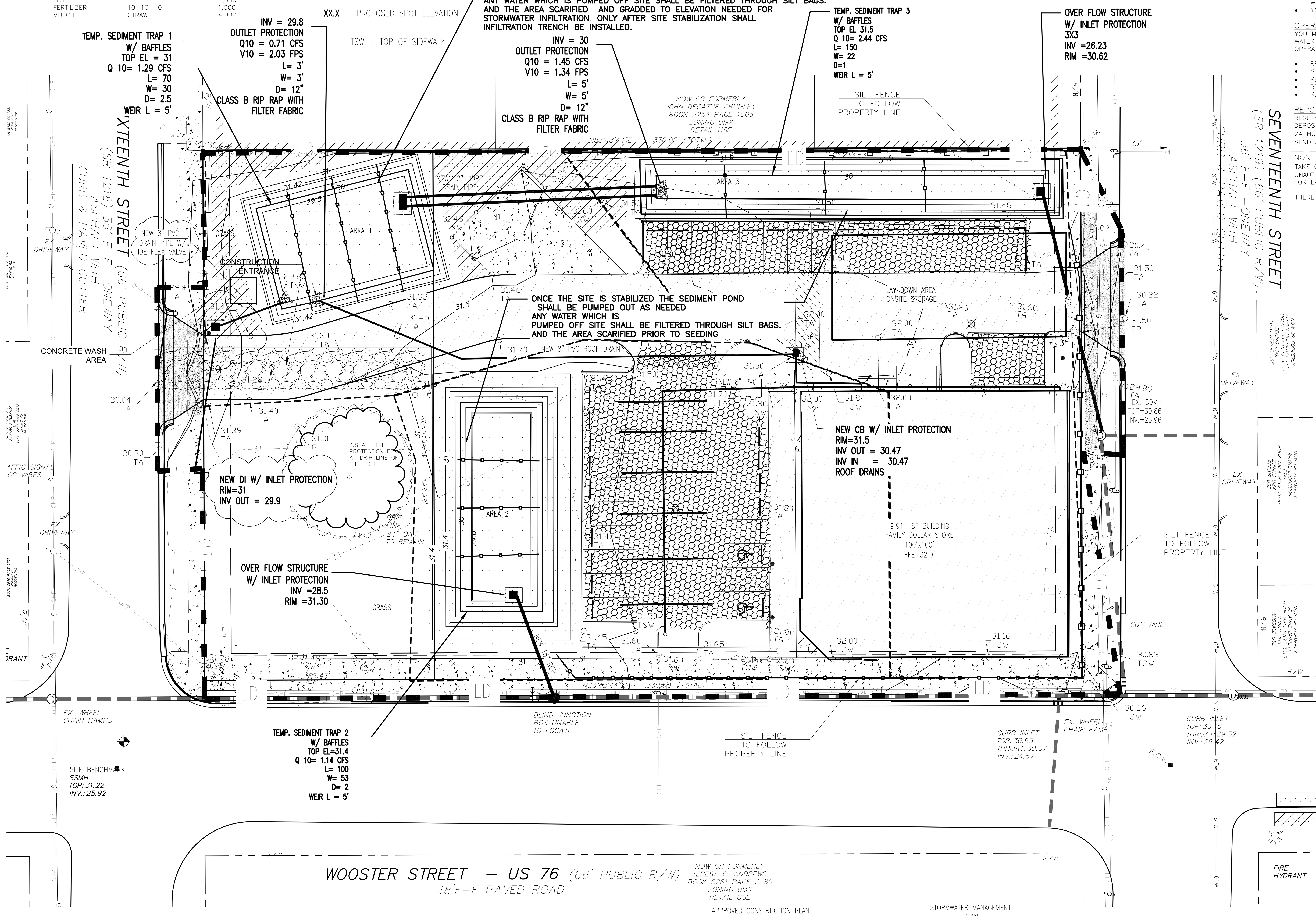
XX.X PROPOSED SPOT ELEVATION

TSW = TOP OF SIDEWALK

EROSION CONTROL CONSTRUCTION SEQUENCE

1. OBTAIN AND POST COPY OF CERTIFICATE OF EROSION CONTROL PLAN APPROVAL.
2. CLEAR SITE ONLY AS NECESSARY TO INSTALL EROSION CONTROL DEVICES AS INDICATED ON THE DRAWINGS OR SPECIFIED IN THE SPECIFICATIONS.
3. ONCE EROSION CONTROL DEVICES ARE INSTALLED, BEGIN DEMOLITION OPERATIONS.
4. MAINTAIN EROSION CONTROL DEVICES AS NECESSARY DURING CONSTRUCTION. INSPECT DEVICE AFTER EVERY RAINFALL EVENT AND CLEAN OUT TRAPS AND /OR CHECK DAMS WHEN HALF FULL.
5. AS CONSTRUCTION PROGRESSES, INSTALL ADDITIONAL EROSION CONTROL DEVICES AS INDICATED ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, OR AS NEEDED OR DIRECTED BY ENGINEER.
6. SEED AND MULCH DISTURBED AREAS AS STATED BELOW BASED ON WORKING DAYS:
   A. UPON COMPLETION OF ANY PHASE OF CONSTRUCTION
   B. WHEN WORK WILL NOT PROCEED IN AN AREA WITHIN THE ABOVE TIME FRAME.
7. AFTER SITE IS STABILIZED, REQUEST AN INSPECTION BY THE ENGINEER. UPON APPROVAL OF SITE STABILIZATION, REMOVE TEMPORARY EROSION DEVICES, DRESS OUT AREA AND SEED AND MUCH. PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED AND APPROVED BY ENGINEER.

AREA	
DISTURBED AREA AC	1.55
DRAINAGE AREA 1	0.51
DRAINAGE AREA 2	0.45
DRAINAGE AREA 3	0.55



1 EROSION CONTROL PLAN

SCALE: 1" =20'

GRAPHIC SCALE: 1" = 20'

NOTES:

1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.

APPROVED CONSTRUCTION PLAN

NAME ________________ DATE________

PLANNING ______________________

TRAFFIC ______________________

FIRE ______________________

STORMWATER MANAGEMENT PLAN APPROVED CITY OF WILMINGTON ENGINEERING DEPARTMENT

DATE ________________

PERMIT # ________________

SIGNED ________________

OWNER: EASTERN PRIDE, INC.
2405–F NASH STREET
WILSON, NC 27804

GENERAL CONTRACTOR – STOCKS AND TAYLOR CONSTRUCTION, INC
WASHINGTON, NC

WHAT DOES THIS PERMIT REQUIRE ME TO DO?

YOU SHOULD READ AND BECOME FAMILIAR WITH THE PROVISIONS OF THIS PERMIT. BELOW IS A LIST OF THE MAJOR REQUIREMENTS, WITH INDICATIONS WHERE THOSE DIFFER FROM THE PREVIOUS CONSTRUCTION GENERAL PERMIT.

EROSION AND SEDIMENT CONTROL PAN

YOU MUST IMPLEMENT THE EROSION AND SEDIMENTATION CONTROL PAN APPROVED FOR YOUR PROJECT BY THE DIVISION OF LAND RESOURCES OR BY AN APPROVED LOCAL PROGRAM. ADHERENCE TO THAT E&SC PLAN IS AND ENFORCEABLE COMPONENT OF THE STORM WATER PERMIT.

YOUR E&SC PLAN WILL IDENTIFY AREAS WHERE THE MORE STRINGENT 7 AND 14 DAY GROUND STABILIZATION REQUIREMENTS APPLY. SEE "NEW GROUND STABILIZATION REQUIREMENTS" ON PAGE 2.

MONITORING AND INSPECTIONS

- YOU MUST KEEP A RAIN GAUGE ON SITE.
- DEDICATED DEMOLITION AND OTHER WASTE AREAS AND EARTHEN MATERIAL STOCKPILES MUST BE LOCATED AT LEAST 50' FROM STORM DRAINS OR STREAMS UNLESS NO ALTERNATIVE IS FEASIBLE (NEW REQUIREMENT).
- YOU MUST INSPECT ALL E&SC MEASURES AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN A HALF INCH (DURING A 24–HOUR PERIOD). YOU MUST TAKE IMMEDIATE CORRECTIVE ACTION FOR ANY DEVICE FAILURE.
- YOU MUST INSPECT ALL OUTLETS WHERE STORM WATER RUNOFF LEAVES YOUR SITE AND EVALUATE THE EFFECT ON NEARBY STREAMS OR WETLANDS, OR CAUSES A VISIBLE INCREASE IN TURBIDITY (CLOUDINESS) OF ANY WATER BODY.
- YOU MUST KEEP RECORDS OF THESE INSPECTIONS AND ANY CORRECTIVE ACTIONS TAKEN.

OPERATION & MAINTENANCE

YOU MUST PROVIDE THE OPERATION AND MAINTENANCE NECESSARY TO MAINTAIN OPTIMAL PERFORMANCE OF STORM WATER CONTROLS. THIS MEANS TAKE CORRECTIVE ACTION IF EROSION AND SEDIMENT CONTROL FACILITIES ARE NOT OPERATING PROPERLY! OPERATION AND MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO:

- REGULARLY CLEANING OUT SEDIMENTATION BASINS.
- STABILIZING ERODED BANKS OR SPILLWAY STRUCTURES.
- REPAIRING/CLEARING OUT INLETS AND OUTLETS.
- REPAIRING PIPING, SEEPAGE AND MECHANICAL DAMAGE.
- REPAIRING SILT FENCE DAMAGE.

REPORTING

REGULAR INSPECTIONS ARE A CHANCE TO CHECK IMPACTS TO NEARBY WATERS. IF ANY OBSERVE SEDIMENT THAT HAS DEPOSITED IN A STREAM OR WETLAND, YOU MUST NOTIFY THE DIVISION OF WATER QUALITY REGIONAL OFFICE WITHIN 24 HOURS AND PROVIDE WRITTEN NOTICE WITHIN 5 DAYS (SEE #3 ON PAGE 6 OF THE GENERAL PERMIT). PLEASE SEND A COPY OF THIS CORRESPONDENCE TO THE DIVISION OF LAND RESOURCES (DLR).

NON–COMPLIANCE & FINES

TAKE COMPLIANCE SERIOUSLY! PROJECTS THAT VIOLATE STORM WATER PERMIT CONDITIONS AND/OR HAVE UNAUTHORIZED WATER QUALITY IMPACTS ARE SUBJECT TO FINES. CIVIL PENALTIES OF UP TO $25,000.00 PER DAY FOR EACH VIOLATION MAY BE ASSESSED.

THERE ARE NO WETLANDS ON THIS SITE.

CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 4 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF APPLICABLE.

RIP THE ENTIRE AREA TO 6 INCHES DEPTH.

REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.

APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL.

CONTINUE TILLAGE UNTIL A WELL–PULVERIZED, FIRM. REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.

SEED ON FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.

MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.

INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDING WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, REESTABLISHED FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

NOTE:
CONTRACTOR SHALL PROVIDE A PERMANENT SEED COVER ON ALL AREAS DISTURBED DURING CONSTRUCTION OPERATIONS, INCLUDING ANY DISTURBANCE TO THOSE AREAS THAT WERE SEEDED DURING PREVIOUS WORK.

EROSION CONTROL

INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE PER DETAIL.

INSTALL SILT FENCE AS NECESSARY PER DETAIL

INSTALL TREE PROTECTION PER DETAIL. DURING CONSTRUCTION CONTRACTOR SHALL TAKE CARE TO LIMIT DAMAGE TO ADJACENT TREES. EXISTING TREES TO REMAIN UNLESS UNABLE TO SAVE DUE TO SITE GRADING.

1.) STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 21CALENDAR DAYS OF COMPLETION OF GRADING. STABILIZE AREAS OTHER THAN SLOPES WITHIN 30 WORKING DAYS OR 120 CALENDAR DAYS, WHICHEVER IS SHORTER.

2.) ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED TO BY CONTRACTOR AND OWNER.

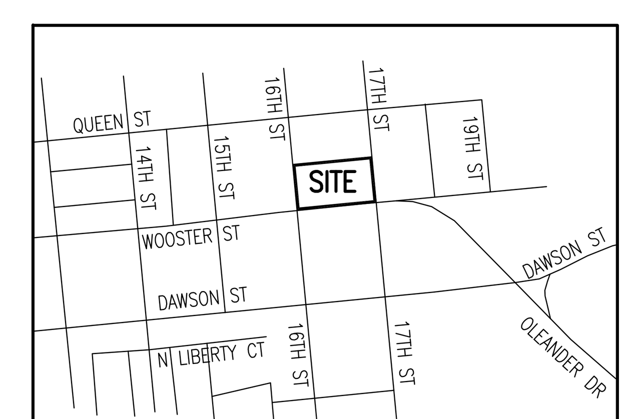
3.) IF ACTIVE CONSTRUCTION CEASES IN ANY AREA FOR MORE THAN 15 WORKING DAYS, ALL DISTURBED AREAS MUST BE SEEDED, MULCHED AND TACKED.

4.) AFTER EVERY RAINFALL EVENT, CONTRACTOR SHALL INSPECT AND REPAIR, AS NECESSARY, ALL DAMAGED EROSION CONTROL MEASURES.

NEW STABILIZATION TIMEFRAMES

Site Area Description	Stabilization	Timeframe Exceptions
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less 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' in length.
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.

NC GRID NAD '83



VICINITY MAP NOT TO SCALE

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

EROSION CONTROL AND GRADING PLAN

FAMILY DOLLAR STORE S. 17TH ST.
722 S. 17TH STREET WILMINGTON, NC
EASTERN PRIDE, INC. 2405-F NASH ST. WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

5/9/14

PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P–0530

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

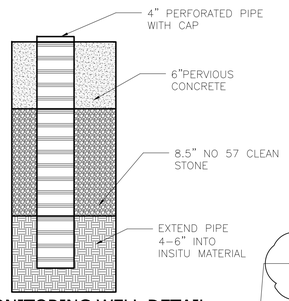
REVISIONS

Date	Description
3/27/14	REVISIONS PER NEW HANOVER CO.
5/8/14	REVISIONS PER NEW HANOVER CO.
5/30/14	ADDED SCREENING FENCE TO WEST SIDE OF MECHANICAL PAD, DESIGNED NEW DI 1 FOR NCDOT, MODIFIED GRADES ON EASTERN DW

File No. 14001

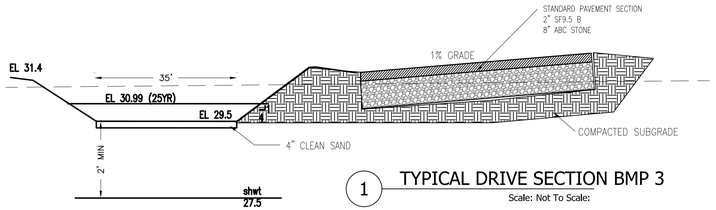
Scale: 1" = 20'

Sheet No. C-004



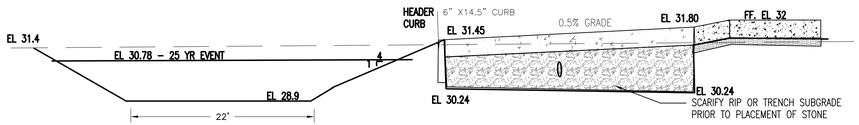
4 MONITORING WELL DETAIL

Scale: Not To Scale:



1 TYPICAL DRIVE SECTION BMP 3

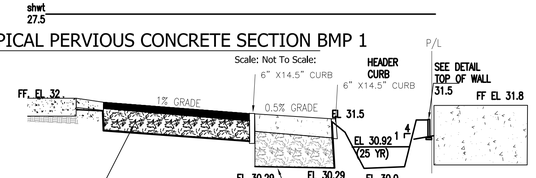
Scale: Not To Scale:



ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED
CONTOURS ARE SHOWN IN 0.5' INCREMENTS

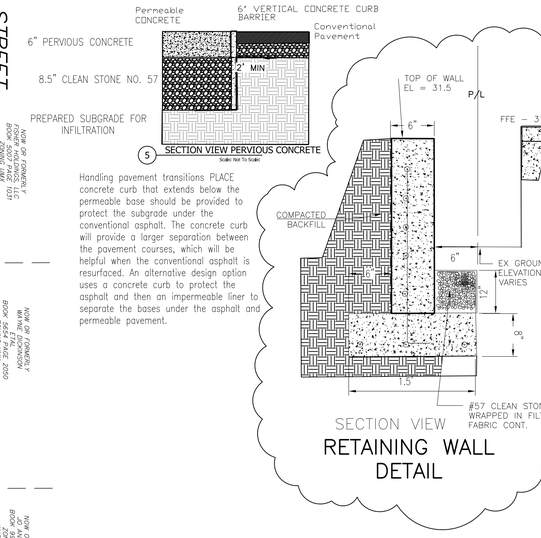
NO WETLANDS ON THIS PROPERTY.

ALL AREAS UNDER THE PERVIOUS CONCRETE SHALL BE PREPARED FOR INFILTRATION BY FOLLOWING THIS PROCEDURE:



2 TYPICAL PERVIOUS CONCRETE SECTION BMP 1

Scale: Not To Scale:



3 TYPICAL PERVIOUS CONCRETE SECTION BMP 2

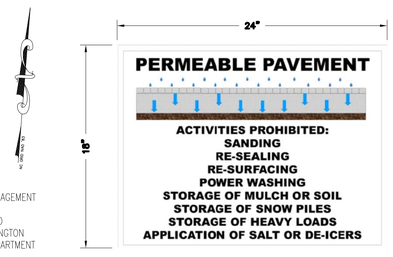
Scale: Not To Scale:

Handling pavement transitions PLACE concrete curb that extends below the permeable base should be provided to protect the subgrade under the conventional asphalt. The concrete curb will provide a larger separation between the pavement courses, which will be helpful when the conventional asphalt is resurfaced. An alternative design option uses a concrete curb to protect the asphalt and then an impermeable liner to separate the bases under the asphalt and permeable pavement.

AFTER VERIFYING THE SUBGRADE SLOPE, SCARIFY, RIP OR TRENCH THE SOIL SUBGRADE SURFACE OF INFILTRATING PAVEMENT SYSTEMS TO MAINTAIN THE SOIL'S PREDISTURBANCE INFILTRATION RATE. THESE TREATMENTS MUST OCCUR WHEN THE SOIL IS DRY. TO SCARIFY THE PAVEMENT, USE BACKHOE BUCKET'S TEETH TO RAKE THE SURFACE OF THE SUBGRADE. TO RIP THE SUBGRADE, USE A SUBSOIL RIPPER TO MAKE PARALLEL RIPS 6 TO 9 IN. DEEP SPACED 3 FT APART ALONG THE LENGTH OF THE PERMEABLE PAVEMENT EXCAVATION AS SHOWN IN FIGURE 18.16. IN SILTY OR CLAYEY SOILS, CLEAN COARSE SAND MUST BE PLACED OVER THE RIPPED SURFACE TO KEEP IT FREE-FLOWING (BROWN AND HUNT 2009). THE SAND LAYER SHOULD BE ADEQUATE TO FILL THE RIPS.

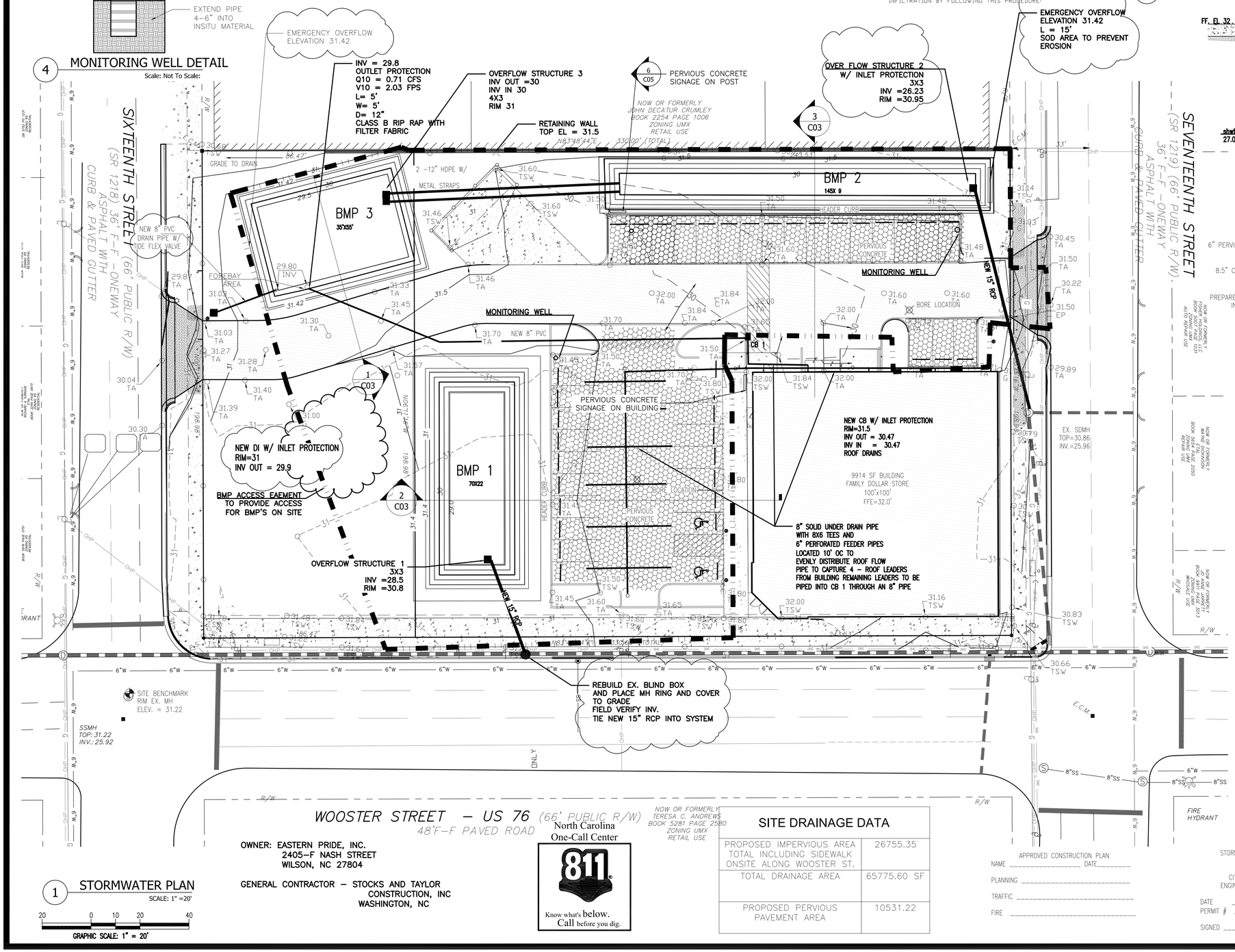
CONDUCT A DIRECT MEASUREMENT OF THE SOIL'S INFILTRATION RATE IMMEDIATELY AFTER EXCAVATION AND BEFORE THE AGGREGATE IS PLACED. INFILTRATION RATE TESTING SHALL BE CONDUCTED BY AN APPROPRIATELY-QUALIFIED PROFESSIONAL. THE RESULTS OF THE TESTING SHALL BE GIVEN TO THE DESIGNER OF RECORD FOR REVIEW.

At intersections between permeable concrete and conventional concrete, a geomembrane barrier should be provided to contain the stormwater under the permeable pavement and protect the base and subgrade under the conventional concrete. There should be a joint between the pavement surfaces for maintenance purposes.



6 TYPICAL SIGNAGE

Scale: Not To Scale:



1 STORMWATER PLAN

SCALE: 1" =20'

20 0 10 20 40

GRAPHIC SCALE: 1" = 20'

OWNER: EASTERN PRIDE, INC.
2405-F NASH STREET
WILMINGTON, NC 27804

GENERAL CONTRACTOR - STOCKS AND TAYLOR CONSTRUCTION, INC
WASHINGTON, NC

North Carolina One-Call Center

811 Know what's below. Call before you dig.

SITE DRAINAGE DATA	
PROPOSED IMPERVIOUS AREA TOTAL INCLUDING SIDEWALK ONSITE ALONG WOOSTER ST.	26755.35
TOTAL DRAINAGE AREA	65775.60 SF
PROPOSED PERVIOUS PAVEMENT AREA	10531.22

APPROVED CONSTRUCTION PLAN

NAME _____ DATE _____

PLANNING _____

TRAFFIC _____

FIRE _____

STORMWATER MANAGEMENT PLAN APPROVED CITY OF WILMINGTON ENGINEERING DEPARTMENT

DATE _____

PERMIT # _____

SIGNED _____

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

STORM WATER CONTROL PLAN

FAMILY DOLLAR STORE
S. 17TH ST.
722 S. 17TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL ENGINEER MARIE U. UMPHLETT PEEDIN SEAL 20212

5/9/14

PAMLICO ENGINEERING SERVICES, PLLC LICENSE NO. P-0530

Pamlico Engineering Services
PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

REVISIONS

Date	Description
5/15/14	REVISED COMMENTS PER ENGINEERING
5/29/14	ADDED DI 1 PER NCDOT

File No. 14001

Scale: 1" = 20'

Sheet No.

C-005

LANDSCAPE LEGEND

KEY	QTY	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	CATEGORY	TYPE
RB	3	Betula nigra	River BIRCH	8'/2" cal.	TREES(LARGE)	DECIDUOUS
CM	34	LAGERSTOEMIA	CREPE MYRTEL	8'/2" cal.	SMALL TREE	DECIDUOUS
TM	16	ACER BUERGERIANUM	TRIDENT MAPLE	8'/2" cal.	TREES(LARGE)	DECIDUOUS
NH	27	ILEX CORNUTA	NEEDLEPOINT HOLLY	36"/7 gal.	LOW BUFFER	EVERGREEN
IH	78	Rhaphiolepis indica	Indian Hawthorn	18"/3 gal.	SHRUB(SMALL)	EVERGREEN
BW	98	BUXUS SINICA	WINTERGREEN BOXWOOD	18"/3 gal.	SHRUB(SMALL)	EVERGREEN
IC	8	CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	10' 3" CAL	TREE	EVERGREEN
MN	40	NANDINA DOMESTICA	MINIATURE NANDINA	18"/3 gal.	SHRUB(SMALL)	EVERGREEN
LB	28	LORDPETALLUM CHINESE RUBRUM	LORDPETALLULM BLUSH	18"/3 gal.	SHRUB(SMALL)	EVERGREEN
WM	8	MYRICA CERIFERA	WAX MYRTEL	30"/ 3GAL.	SHRUB	EVERGREEN
JFC	17	PRUNUS SERRULATA	JAPANESE FLOWERING CHERRY	8'/2" cal.	TREE	DECIDUOUS

LANDSCAPE CALCULATIONS:

STREET TREES

LINEAR FOOTAGE OF ROAD FRONTAGE = 728 LF - 48LF = 680 LF
STREET TREES - 1/30LF = 23 TREES IN ROW PROVIDED

SHADE REQUIREMENTS

PARKING AND DRIVE IMPERVIOUS AREA = 10,495 SF
20% X 10495 = 2099 SF REQUIRED
SA = 4244 SF PROVIDED

LANDSCAPE AREA PROVIDED = 1542 SF (LSA)

FOUNDATION PLANTINGS AREA

		REQUIRED	PROVIDED
FRONT =	84.5 X 20 X 0.12 =	203 SF	209 SF
NORTH SIDE =	100 X 15 X 0.12 =	180 SF	546 SF
EAST SIDE =	100 X 20 X 0.12 =	180 SF	530 SF

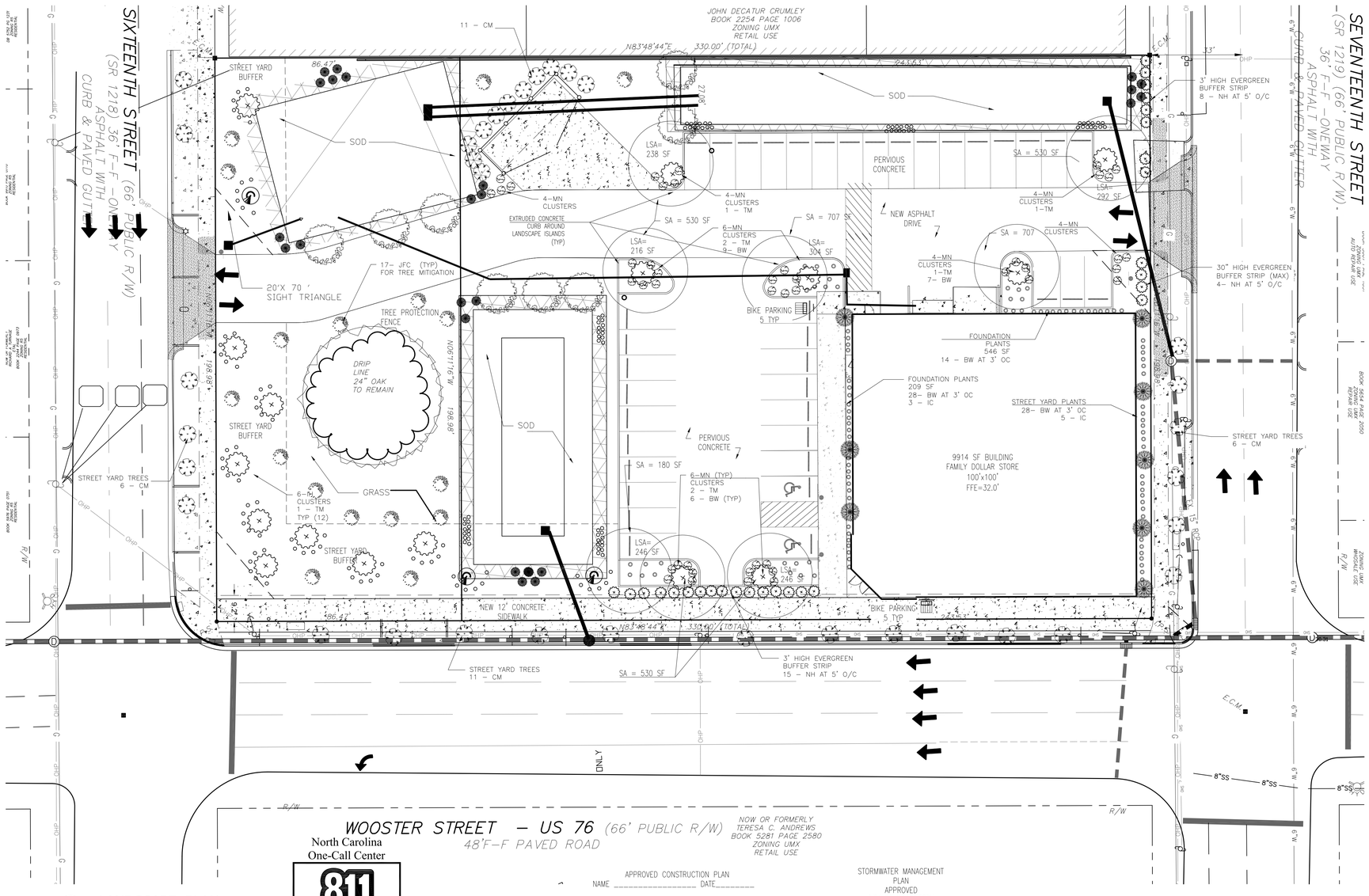
TREE MITIGATION CALCS
25" OAK X 2 (100%) = 50 50/3 = 17 TREES 17 TREES

STREET YARD BUFFER 16TH AND WOOSTER STREETS
528 LF - 24'- 100'=404 LF X 18 = 7272 SF TOTAL REQUIRED

	7222 SF	PROVIDED
7222 / 600 = 12	REQUIRED	PROVIDED
SHADE TREE	12	12
SHRUBS (6)	72	72

LANDSCAPE NOTES

1. LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN IN PLAN.
2. ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
3. PLANTING BEDS TO BE MULCHED WITH A MINIMUM OF 3" LONGLEAF PINESTRAW. ALL PLANT GROUPINGS SHALL BE MULCHED AS ONE BED.
4. ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AND AWAY FROM BUILDINGS.
5. APPLY PRE-EMERGANT HERBICIDE TO ALL NEW PLANTING BEDS AT MANUFACTURER'S RECOMMENDED RATE PRIOR TO INSTALLATION OF MULCH.
6. DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS SOILS(i.e. HOLES WHICH, WHEN FILLED WITH WATER, DO NOT COMPLETELY DRAIN WITHIN TWO HOURS.)
7. ALL LANDSCAPING IS SUBJECT TO THE CITY ZONING ORDINANCE AND ANY MODIFICATIONS MADE SHALL MEET ALL REQUIREMENTS SET FORTH BY THE ZONING CODE.
8. THE AREA WITHIN THE SIGHT TRIANGLE SHALL BE MAINTAINED FREE OF ALL OBSTRUCTIONS BETWEEN 30" AND 10'.
9. LANDSCAPE SHALL BE COMPLETE BEFORE ISSUANCE OF A FINAL CO.
10. A RAIN/FREEZE SENSOR SHALL BE USED IF THERE IS AN IRRIGATION SYSTEM.
11. ALL PLANTED AND RETAINED MATERIAL REQUIRED TO MEET THE PROVISIONS OF THE CITY OF WILMINGTON LAND DEVELOPMENT CODE SHALL BE PERPETUALLY PROTECTED AND MAINTAINED TO PROFESSIONALLY ACCEPTED STANDARDS BY JOINT AND SEVERAL RESPONSIBILITY OF THE OWNER, TENANT AND RESPECTIVE AGENTS OF THE PROPERTY ON WHICH THE MATERIAL IS LOCATED.
12. CREATIVE STANDARD: TO PROMOTE CREATIE DESIGNS, STREE YARDS MAY CONSIST OF TREES AND SHRUBBERY WHICH COVER AT LEAST 50% OF ITS AREA.



1 LANDSCAPE PLAN
SCALE: 1" = 20'

GRAPHIC SCALE: 1" = 20'

North Carolina One-Call Center
811
Know what's below. Call before you dig.

APPROVED CONSTRUCTION PLAN
NAME _____ DATE_____
PLANNING _____
TRAFFIC _____
FIRE _____

STORMWATER MANAGEMENT PLAN APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____
PERMIT # _____
SIGNED _____

DEVELOPER
EASTERN PRIDE, INC.
2405-F NASH STREET
WILSON, NC 27896

OWNER
THOMASON REALTY INVEST LP
910 SAND MILLS BLVD
ABERDEEN, NC 28315

GENERAL CONTRACTOR:
STOCKS AND TAYLOR CONSTRUCTION, INC.
1825 CAROLINA AVENUE
WASHINGTON, NC 27889

GENERAL BUILDING INFORMATION
BUILDING USE: COMMERCIAL - RETAIL
TOTAL LOT SIZE = 1.51 AC
LOT 1 = 0.395 AC TO R/W
LOT 2 = 1.115 AC TO R/W
BUILDING SIZE: 9,914 SF
7427 SF RETAIL, 2487 SF OTHER
BUILDING HEIGHT: 20 FT
BUILDING CONSTRUCTION TYPE = V-B
BUILDING LOT COVERAGE
9914SF /65,775.6SF = 15.07%
NO. OF BUILDINGS = 1

TOTAL IMPERVIOUS AREA
BUILDING = 9914.00 SF
SIDEWALK (ONSITE) = 1228.74 SF
PAVEMENT = 10,495.00 SF
PERVIOUS PAVEMENT = 10,631.00 SF
SIDEWALK = 2640.00 SF
(ON SITE ALONG WOOSTER)

TOTAL IMPERVIOUS AREA = 34,908.74 SF
TOTAL GREEN SPACE = 30,867.8 SF

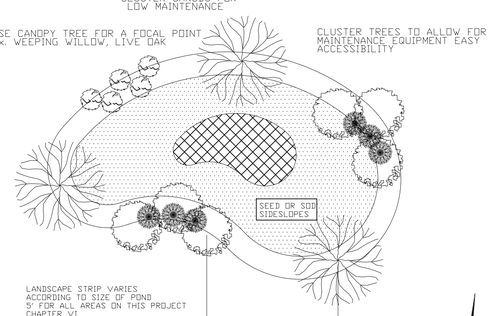
TOTAL PERVIOUS PAVEMENT = 10,631 SF
% IMPERVIOUS EXISTING = 000%
% IMPERVIOUS PROPOSED = 34,908.74/65775.6 = 53%
(WITH NO CREDIT FOR PERVIOUS PAVEMENT)

GENERAL NOTES

1. ANY EXISTING ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE SEVERED CLEANLY WITH A PRUNING TOOL.
2. DO NOT DISPOSE OF ANY CHEMICALS, PETROLEUM PRODUCTS, OR REMOVE SOIL ANY OUTSIDE THE LIMIT OF WORK.
3. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO ANY UTILITIES AS A RESULT OF INSTALLING ANY LANDSCAPE MATERIALS.
4. THE ONLY EXISTING TREE IS THE 24" OAK AS SHOWN TO REMAIN ALL OTHER TREES AND SHRUBS ARE NEW

Note on plan stating that prior to any clearing, grading, or construction activity, tree protection fencing will be installed around protected trees or groves of trees. No construction workers, tools, materials, or vehicles are permitted within the tree protection fencing.

CLUSTER SHRUBS FOR LOW MAINTENANCE
USE CANOPY TREE FOR A FOCAL POINT ex. WEEPING WILLOW, LIVE OAK
CLUSTER TREES TO ALLOW FOR MAINTENANCE EQUIPMENT EASY ACCESSIBILITY



VEGETATION MUST BE EVENLY DISTRIBUTED AT APPROXIMATELY 100' INTERVALS AROUND POND

Notes:
1. If possible, locate pond where vegetation exists.
2. Suggest minimal clearing to conserve visual quality of site and minimize the additional of tree planting. An irregular shape provides a more natural appearance.
3. Landscape strip shall be a maximum slope of 7:1 in order to plant vegetation.
4. Provide a minimum of 3 inches of mulch around all vegetation.

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

LANDSCAPE PLAN

FAMILY DOLLAR STORE
S. 17TH ST.
722 S. 17TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL SEAL 80212 ENGINEER MARIE UMPHLETT PEEDIN

6/2/14

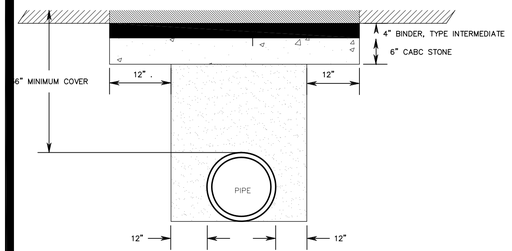
PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P-0530

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

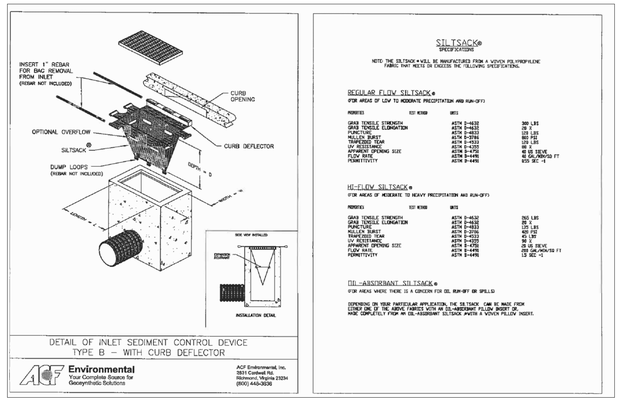
REVISIONS

Date	Description
5/9/14	REVISED PER COW COMMENTS 4/22/14
6/12/14	REVISED PER PLANNING COMMENTS AND URBAN FORESTOR

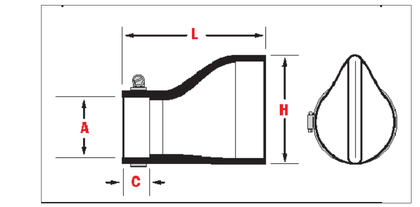
File No. 14001
Scale: 1" = 20'
Sheet No.
C-006



PAVEMENT REPAIR
NTS

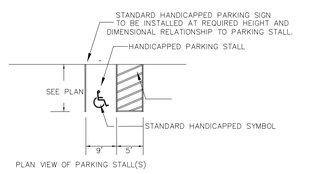


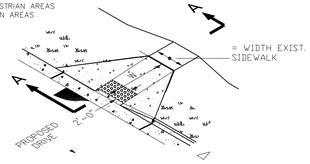
INLET SEDIMENT CONTROL DEVICE
Scale: Not To Scale:



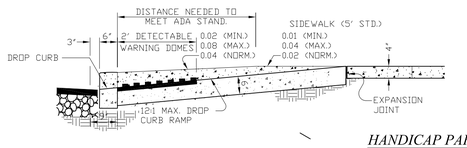
TIDE FLEX VALVE

DATA	
A	0'-8"
L	1'-6"
H	1'-4"
C	0'-2"

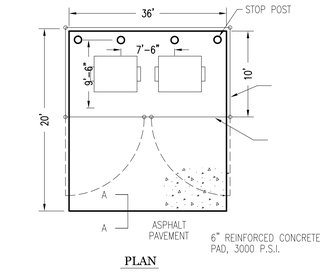




ISOMETRIC VIEW

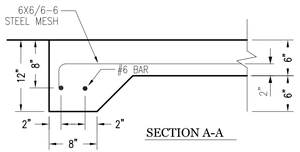


HANDICAP PARKING AND SIDEWALK DETAIL
NTS

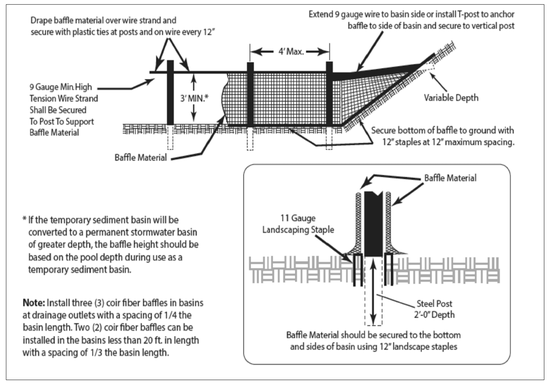


PLAN

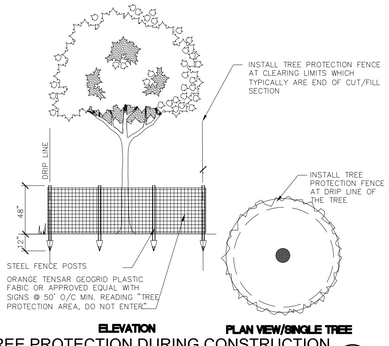
NOTE:
STOP POST AND FRONT BOLLARDS SHALL BE 6" STEEL PIPE, CONCRETE FILLED. THE EXPOSED LENGTH SHALL BE 4' ABOVE GROUND WITH A BURY DEPTH OF 3'. POSTS SHALL BE VERTICALLY LEVEL IN AN 18" DIAMETER HOLE BACK FILLED WITH 3000 PSI CONCRETE.



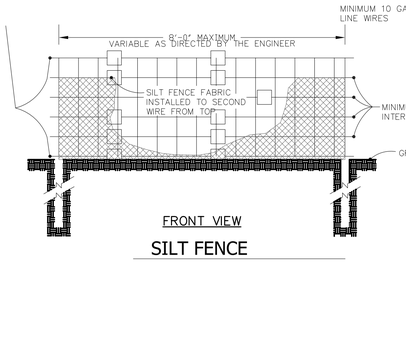
DUMPSTER PAD DETAIL
Scale: Not To Scale



BAFFLE MATERIAL
Scale: Not To Scale:

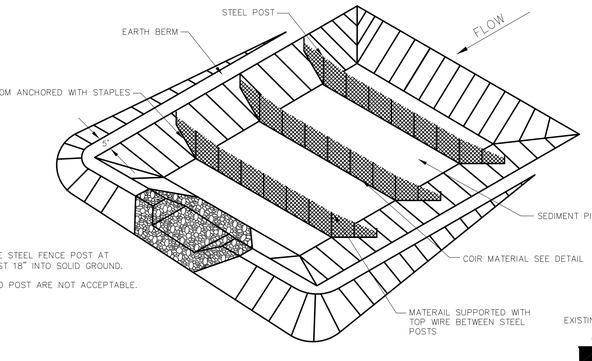


TREE PROTECTION DURING CONSTRUCTION
NOT TO SCALE
TP



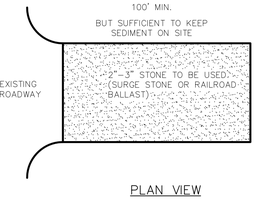
SILT FENCE

NOTE:
USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.



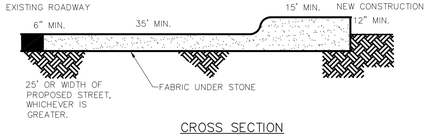
NOTES:
1. DRIVE STEEL FENCE POST AT LEAST 18" INTO SOLID GROUND.
2. WOOD POST ARE NOT ACCEPTABLE.

STANDARD SKIMMER BASIN
Scale: Not To Scale:



PLAN VIEW

NOTES:
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.

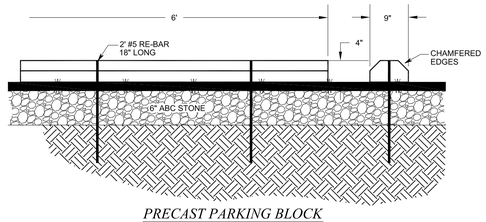


CROSS SECTION

STANDARD CONSTRUCTION ENTRANCE
Scale: Not To Scale:

APPROVED CONSTRUCTION PLAN
NAME _____ DATE_____
PLANNING _____
TRAFFIC _____
FIRE _____

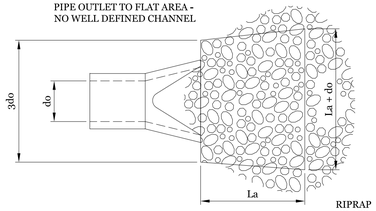
STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____
PERMIT # _____
SIGNED _____



PRECAST PARKING BLOCK
NTS

Owners/Developers Certification
I/We hereby certify that any clearing grading, construction or development or all of these will be done pursuant to this plan and that the applicable stormwater Management conditions and requirements of the City of Wilmington, the State of North Carolina and the Federal Government and its agencies are herby made part of this plan"
Signature _____
Date 5/30/14
Barnes Boykin, Vice President Eastern Pride, Inc.

DESIGNER CERTIFICATION
" I hereby certify that this plan has been prepared in accordance with the latest Wilmington Standards and Specifications for Storm Water Management and Chapter18 of the Code of Ordinance of the City of Wilmington."
Signature _____
Marie U. Peedin, PE
Date 5/30/14 PE # 20212



NOTES:
1. La IS THE LENGTH OF THE RIP-RAP APRON.
2. do IS THE NOMINAL SIZE OF THE OUTLET PIPE.
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS. WIDEN CHANNEL AS NECESSARY TO ACHIEVE REQUIRED WIDTH AT DISTANCE La FROM OUTLET. RIPRAP ENTIRE DISTURBED PORTION OF THE CHANNEL.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP-RAP AND SOIL FOUNDATION.

OUTLET PROTECTION DETAIL
Scale: Not To Scale:

FAMILY DOLLAR STORE
S. 17TH ST.
722 S. 17TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

5/9/14

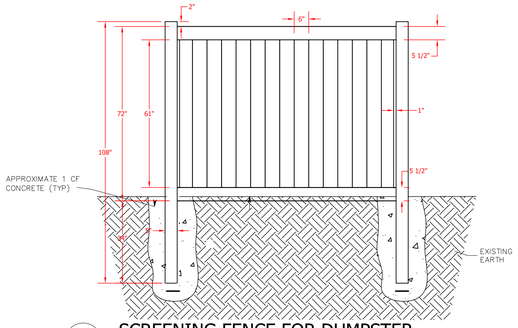
PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P-0530

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

REVISIONS
Date Description
5/12/14 ADDED BAFFLE AND INLET SOCK DETAILS
5/29/14 ADDED TIDE FLEX VALVE DETAIL

File No. 14001
Scale: 1" = 20'
Sheet No.
C-007

Note: All Federal, state and local permits are required prior to full construction release. This includes but is not limited to : state storm water, state utility extension permits, wetland disturbance permits, city storm water, tree protection permits, ect.



SCREENING FENCE FOR DUMPSTER AND EQUIPMENT

Scale: NTS

1. Variances on stall widths, angle and other dimensions will be allowed only upon approval of the Traffic Engineer.
2. Wheel stops shall be required three (3) feet from the end of parking stall when using eighteen (18) feet deep stalls.
3. Curbing, crossties, utility poles, etc., can be used as wheel stops. (Must be anchored down)
4. All medians shall be a minimum of six (6) feet wide.
5. Parking bays which terminate at a circulation way shall provide for a minimum turning radius of twenty-five (25) feet, as measured from the edge of the travel portion.
6. All parking stall markings and lane arrows shall be white.
7. All other pavement markings, signs or other traffic control devices shall conform to the latest edition and/or interpretation of the Manual on Uniform Traffic Control Devices (MUTCD).
8. No obstructions will be allowed adjacent to a parking stall which would prevent safe ingress and egress from a parked vehicle.
9. Parking in fire lanes and in non-residential driveways shall be prevented by standard signs and as needed by portable barricades.

STANDARD DETAIL — PARKING FACILITY DESIGN NOTES

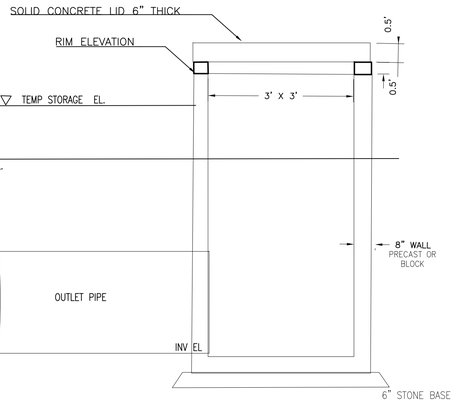
DATE: 2001 | DRAWN BY: RBC/MB | CHECKED BY: B.P. P.E. | SCALE: NOT TO SCALE

CITY OF WILMINGTON NORTH CAROLINA
CITY OF WILMINGTON ENGINEERING
PO BOX 1810
WILMINGTON N.C. 28402
(910) 341-7807

SD 15-13

OVER FLOW STRUCTURE SCHEDULE

ID	RIM	INV	PIPE SIZE	BOTTOM EL
OFS 1	30.8	28.5	15"	28.9
OFS 2	30.62	26.23	15"	30
OFS 3	31.00	30.00	2 - 12"	29.5



OVER FLOW STRUCTURE

Scale: 1:1

APPROVED CONSTRUCTION PLAN

NAME _____ DATE_____

PLANNING _____

TRAFFIC _____

FIRE _____

STORMWATER MANAGEMENT PLAN APPROVED CITY OF WILMINGTON ENGINEERING DEPARTMENT

DATE _____

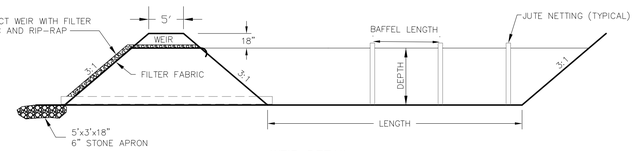
PERMIT # _____

SIGNED _____

SKIMMER BAFFEL DATA		
ID	LENGTH	BAFFEL LENGTH
1	70	17.50
2	100	25
3	150	37.50

Maintenance Plan

1. 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.
2. All points of egress will have construction entrances that will be periodically top-dressed with an additional 2 inches of #4 stone to maintain proper depth. They 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 or roadways.
3. Sediment will be removed from hardware cloth and gravel inlet protection, block and gravel inlet protection, rock doughnut inlet protection and rock pipe inlet protection when the designed storage capacity has been half filled with sediment. Rock will be cleaned or replaced when the sediment pool no longer drains as designed. Debris will be removed from the rock and hardware cloth to allow proper drainage. Silt sacks will be emptied once a week and after every rain event. Sediment will be removed from around beaver dams, dandy sacks and socks once a week and after every rain event.
4. Diversion ditches will be cleaned out immediately to remove sediment or obstructions from the flow area. The diversion ridges will also be repaired. Swales must be temporarily stabilized within 21 calendar days of cease of any phase of activity associated with a swale.
5. 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.
6. Sediment will be removed from sediment traps when the designed storage capacity has been half filled with sediment. The rock will be cleaned or replaced when the sediment pool no longer drains or when the rock is dislodged. Baffles will be repaired or replaced if they collapse, tear, decompose or become ineffective. They will be replaced promptly. Sediment will be removed when deposits reach half the height of the 1st baffle.
7. Sediment will be removed from the sediment basin when the design storage capacity has been half filled with sediment. Rock will be cleaned or replaced when the sediment pool no longer drains or if the rock is dislodged. Baffles will be repaired or replaced if they collapse, tear, decompose or become ineffective. They will be replaced promptly. Sediment will be removed from baffles when deposits reach half the height of the 1st baffle. Floating skimmers will be inspected weekly and will be kept clean.
8. All seeded areas will be fertilized, reseeded as necessary and mulched according to specifications in the vegetative plan to maintain a vigorous, dense vegetative cover. All slopes will be stabilized within 21 calendar days. All other areas will be stibilized within 15 working days.
9. Flocculants will be used to address turbidity issues. The pumps, tanks, hoses and injection systems will be checked for problems or turbid discharges daily.



NOTES:

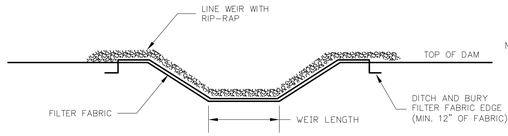
1. USE FOR DRAINAGE AREAS NOT EXCEEDING 5 (FIVE) ACRES.
2. EARTH BERM SHALL BE STABILIZED w/SEEDING ACCORDING TO TOWN SPECIFICATIONS.

WEIR DETAIL

DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	WEIR LENGTH[1] (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

[1] DIMENSIONS SHOWN ARE MINIMUM



MAINTENANCE

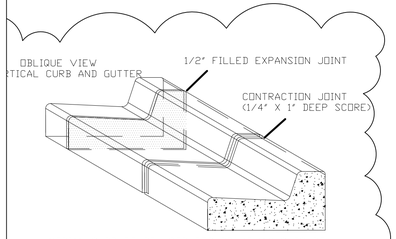
INSPECT TEMPORARY SEDIMENT TRAPS AND EMPTY SKIMMER OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

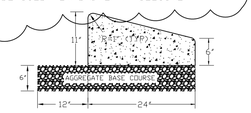
CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIP RAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

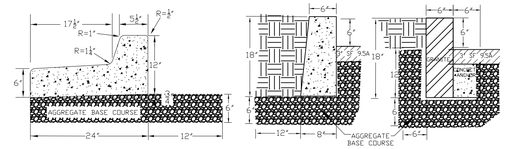
STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE TRAP IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING.

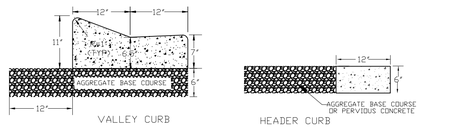
STANDARD FILTER BASIN

Scale: Not To Scale:





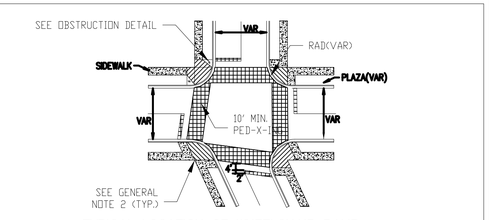




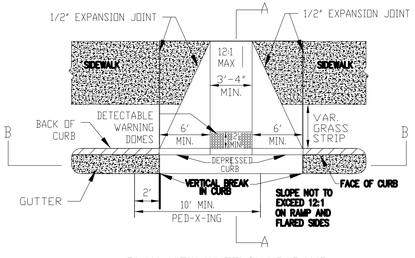
NOTES:
1. EXPANSION JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS
2. 50' MAX EXPANSION JOINT SPACING, 10' MAX CONTRACTION JOINT SPACING
3. MINIMUM INSTALLATION LENGTH IS 5 FT.
4. CONCRETE TO BE 3000 PSI MIN
5. VERTICAL CURB AND GUTTER BASE CAN BE SLOPED 3/4" OR USE A FLAT BASE

CURB AND GUTTER

Scale: 1:1



TYPICAL LOCATION OF WHEELCHAIR RAMP



PLAN VIEW WHEELCHAIR RAMP

GUIDELINES FOR WHEELCHAIR RAMPS & DEPRESSED CURBS

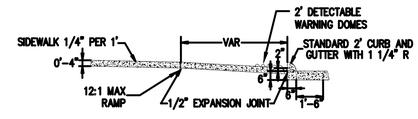
SD 8-10

STANDARD DETAIL — GUIDELINES FOR WHEELCHAIR RAMPS & DEPRESSED CURBS SHEET 1 OF 2

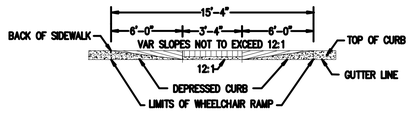
DATE: 2/29/2008 | DRAWN BY: J. RHYNE | CHECKED BY: AMS, P.E. | SCALE: NOT TO SCALE

CITY OF WILMINGTON NORTH CAROLINA
CITY OF WILMINGTON ENGINEERING
PO BOX 1810
WILMINGTON N.C. 28402
(910) 341-7807

SD 8-10



SECTION A-A



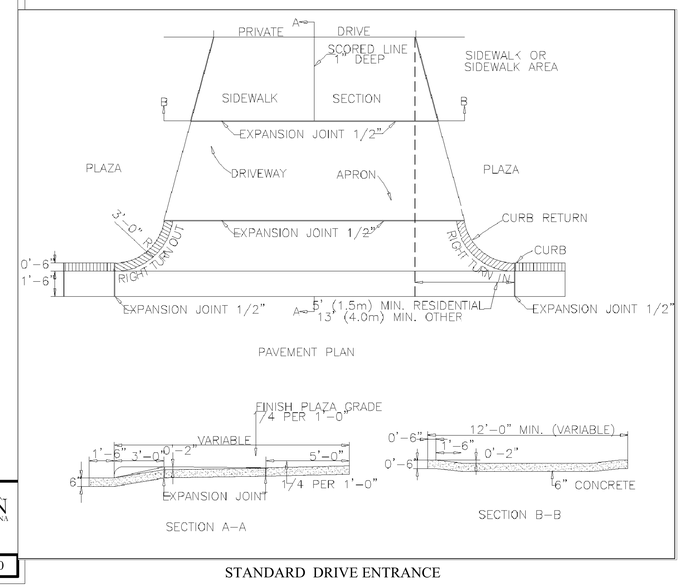
SECTION B-B

STANDARD DETAIL — GUIDELINES FOR WHEELCHAIR RAMPS & DEPRESSED CURBS SHEET 2 OF 2

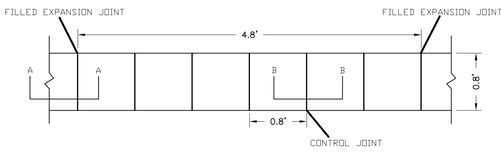
DATE: 2/29/2008 | DRAWN BY: J. RHYNE | CHECKED BY: AMS, P.E. | SCALE: NOT TO SCALE

CITY OF WILMINGTON NORTH CAROLINA
CITY OF WILMINGTON ENGINEERING
PO BOX 1810
WILMINGTON N.C. 28402
(910) 341-7807

SD 8-10



STANDARD DRIVE ENTRANCE



NOTES:

1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL
6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS
7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

SIDEWALK
SD 5-10

Designed MUP | Drawn MSP | Checked MUP | Approved MARIE U. PEEDIN

DETAILS

FAMILY DOLLAR STORE
S. 17TH ST.

722 S. 17TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE U. UNPHLETT PEEDIN

5/9/14

PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P-0530

PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

REVISIONS

Date	Description
5/8/14	ADDED BAFFEL DETAILS

File No. 14001

Scale: 1" = 20'

Sheet No.

C-008

North Carolina
One-Call Center

811

Know what's below.
Call before you dig.

TYPICAL LIGHT SCHEDULE	
ID	DESCRIPTION
L TYPE	LED WALLPACK WITH TYPE 3 DISTRIBUTION
A TYPE	AREA LUMINARIES HIGH PERFORMANCE SR3 REFLECTOR FULL CUTOFF
J TYPE	LENS TO BE USED FOR SIGNAGE LIGHTING

APPROVED CONSTRUCTION PLAN
NAME _____ DATE_____
PLANNING _____
TRAFFIC _____
FIRE _____

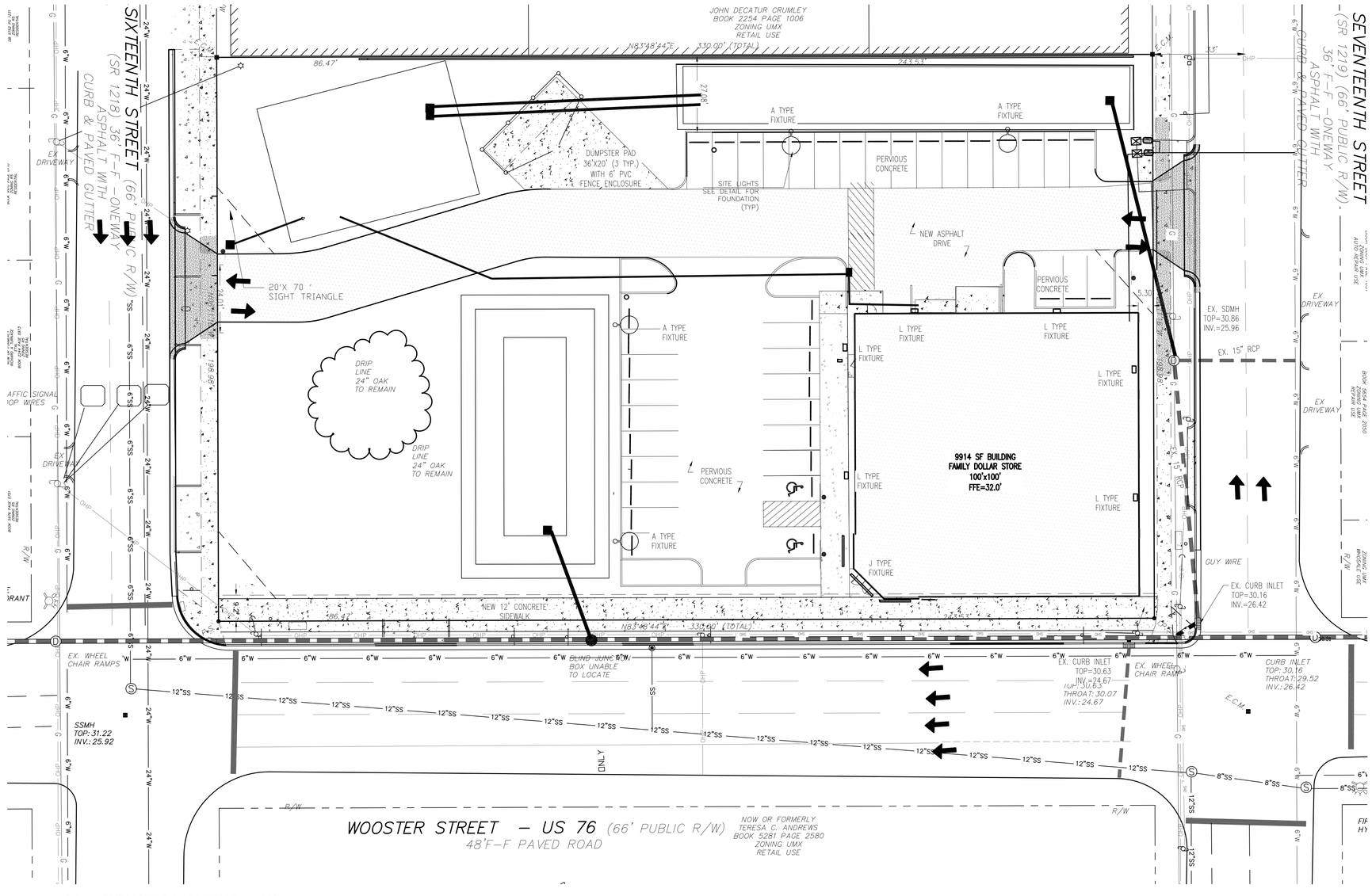
STORMWATER MANAGEMENT
PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____
PERMIT # _____
SIGNED _____

NOTE:

THIS IS A TYPICAL LIGHTING PLAN LAYOUT FOR A SITE OF THIS SIZE HOWEVER A FULL LIGHTING PLAN HAS NOT BEEN PREPARED TO DATE. THIS WILL BE INCLUDED IN THE BUILDING PLANS.

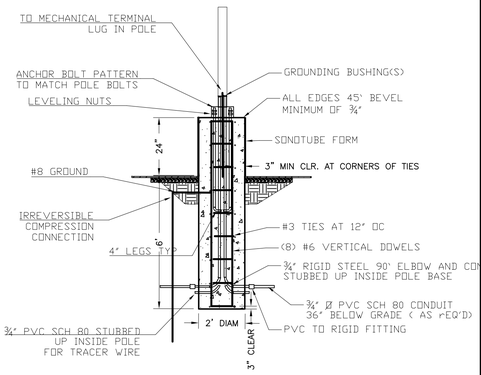
THIS PLAN GIVES A GENERAL LAYOUT FOR THE LOCATION OF THE LUMINARIES.

THIS PLAN IS TO BE USED FOR GENERAL LOCATION DATA AND GENERAL TYPES OF FIXTURES USED ON PROTOTYPICAL STORES.



1 SKEMATIC LIGHTING PLAN
SCALE: 1" =20'

GRAPHIC SCALE: 1" = 20'



DETAIL STRUCTURAL NOTES:

1. ANCHOR BOLTS SHALL BE GALVANIZED A36 STEEL.
2. REBAR SHALL BE A615 GRADE 60.
3. CONCRETE SHALL HAVE 3000 PSI MINIMUM 28-DAY COMPRESSION STRENGTH.
4. AFTER THE FOUNDATION IS FORMED AND POURED, THE SOIL AROUND THE BASE SHALL BE BACKFILLED AND COMPACTED TO ACHIEVE 98% COMPACTION (STANDARD PROCTOR METHOD).
5. SEE PLAN DWGS. FOR LOCATIONS OF LIGHT POLE BASES.

GENERAL DETAIL NOTES:

1. TOP OF GROUND ROD SHALL BE DRIVEN TO 12" BELOW FINISHED GRADE. IRREVERSIBLE COMPRESSION GROUNDING CONDUCTOR CONNECTIONS.
2. BOND POLE, GROUND ROD GROUND, EQUIPMENT GROUND, AND GROUNDING BUSHINGS TOGETHER, #8 AWG MINIMUM.
3. GROUT SHALL BE PACKED UNDER BASE OF POLE LIGHT TO ENSURE FULL CONTACT WITH FOUNDATION. MINIMUM OF 2" CLEARANCE BETWEEN FOUNDATION AND BASE.
4. PROVIDE 24" ROUND CONCRETE FIBER FORM TO FINISHED GRADE.
5. WHERE FOUNDATION FINISHED GRADE IS OTHER THAN SOIL/GROUND COVER, PROVIDE 3" RADIUS OF PEA GRAVEL AROUND FOUNDATION DOWN TO SOIL LEVEL.

2 LIGHT POLE BASE
Scale: Not To Scale:

DEVELOPER
EASTERN PRIDE, INC.
2405-F NASH STREET
WILSON, NC 27896

GENERAL CONTRACTOR:
STOCKS AND TAYLOR CONSTRUCTION, INC.
1825 CAROLINA AVENUE
WASHINGTON, NC 27889

Designed MUP
Drawn MSP
Checked MUP
Approved MARIE U. PEEDIN

LIGHTING PLAN

FAMILY DOLLAR STORE
S. 17TH ST.
709 S. 16TH STREET
WILMINGTON, NC

EASTERN PRIDE, INC.
2405-F NASH ST.
WILSON, NC 27896

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 20212 MARIE UMPHLETT PEEDIN

5/9/14

PAMLICO ENGINEERING SERVICES, PLLC
LICENSE NO. P-0530

Pamlico Engineering Services
PAMLICO ENGINEERING SERVICES
128 Abbey Lane
Washington, NC 27889
252-945-2983
mpeedin@pamlicoengineringservices.com

REVISIONS
Date Description

File No. 14001
Scale: 1" = 20'
Sheet No.
C-009