

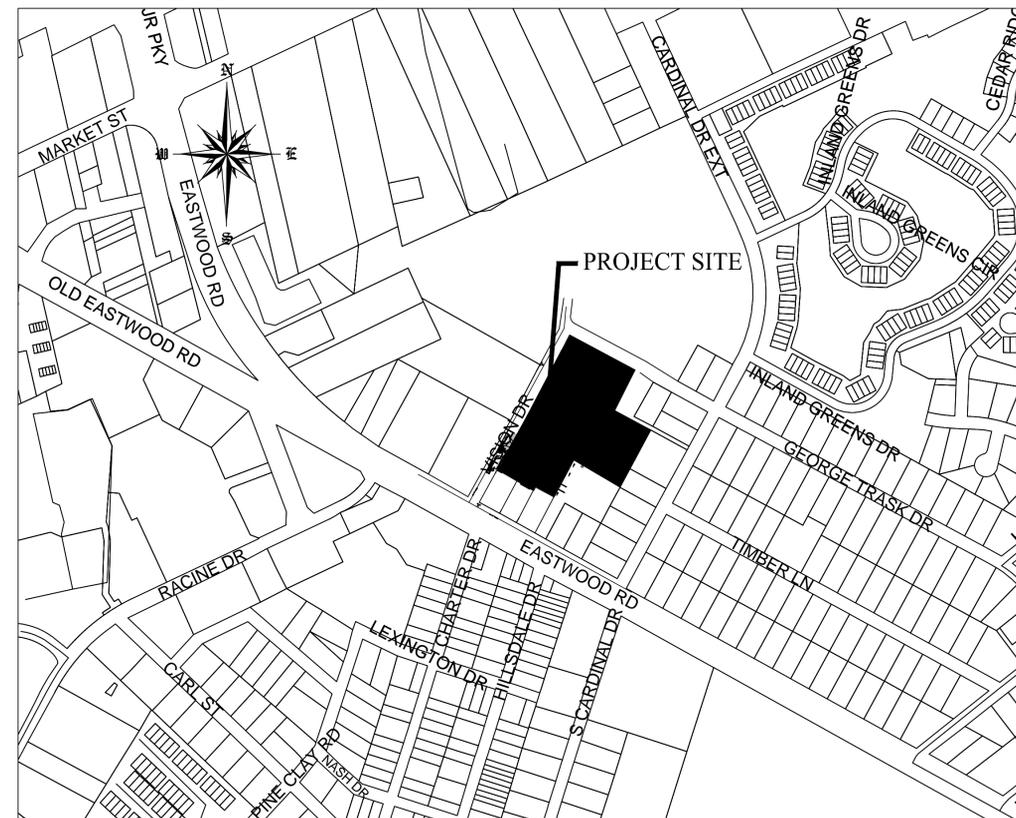
STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

CONSTRUCTION PLANS FOR AA STORAGE EXPANSION 120 VISION DRIVE

Approved Construction Plan	
Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____
CFPUA _____	_____

NOTES

1. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.
2. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.
3. ALL MATERIALS UTILIZED IN THE CONSTRUCTION OF THE UTILITIES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE NCDOT APPROVED MATERIALS.
4. CONTRACTOR IS TO PROVIDE ALL NECESSARY TRAFFIC AND SAFETY CONTROL DEVICES IN WORK AREAS.
5. FIELD VERIFY EXISTING UTILITIES FOR CONFLICTS PRIOR TO CONSTRUCTION, NOTIFY ENGINEER AT 910-619-9990 BEFORE PROCEEDING WITH CONSTRUCTION.
6. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:
 ULCCO1-800-632-4949, 48 HOURS IN ADVANCE
 BELL SOUTH.....1-800-392-8712 (STEVE DAYVAULT)
7. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.
8. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
9. It shall be the responsibility of the subdivider to erect official street name signs at all intersections associated with the subdivision in accordance with the Technical Standards and Specifications Manual. The subdivider may acquire and erect official street name signs or may choose to contract with the city to install the street signs and the subdivider shall pay the cost of such installation. Contact Traffic Engineering at 341-7888 to discuss installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
10. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE MAINTAINED BY THE OWNER.
11. TRAFFIC ENGINEERING TO BE NOTIFIED AT 341-788 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
12. Any broken or missing sidewalk panels and curbing will be replaced.
13. CONTACT KAREN DIXON AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
14. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METRES CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
15. IF THE CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION HE SHALL APPLY MIN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
16. ANY IRRIGATION SYSTEM SUPPLIED BY CFPWA SHALL COMPLY WITH THE CFPWA CROSS CONNECTION REGULATIONS
17. All traffic control signs and markings off the right-of-way are to be maintained by the property owner in accordance with MUTCD standards.
18. All parking stall markings and lane arrows within the parking areas shall be white.
19. A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341-5888 for more details. In certain cases an entire resurfacing of the area being open cut may be required.
20. Install reflectors per City and NCDOT standards. Traffic Engineering must approve of pavement marking layout prior to actual striping.
21. A landscaping plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and Parks and Recreation Department for review and approval prior to the recording of the final plot. [SD 15-14 CoW Tech Stds]



VICINITY MAP
 APRIL, 2013

LIST OF DRAWINGS

XX	COVER SHEET
C1	EXISTING SITE
C2	SITE PLAN/GRADING/S&E CONTROL
C3	DETAILS

OWNER/DEVELOPER
 EMROSE CORPORATION
 PO BOX 108
 231 S. GARNETT STREET
 HENDERSON, NC 27536

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

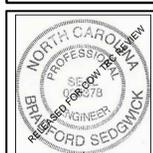
SURVEYOR
 GEOINNOVATION, PC
 MR. DEAN EXLINE, PLS
 311 JUDGES ROAD
 SUITE 3D
 WILMINGTON, NC 28405
 1-910-367-2110

GENERAL CONTRACTOR
 E.G. SMITHSON AND ASSOCIATES, INC.
 1661 S. WESLEYAN BLVD.
 ROCKY MOUNT, NC 27802
 252-977-3055



DESIGN BY: BDS
 DRAWN BY: BDS
 CHECKED BY: BDS
 DATE: APRIL, 2013

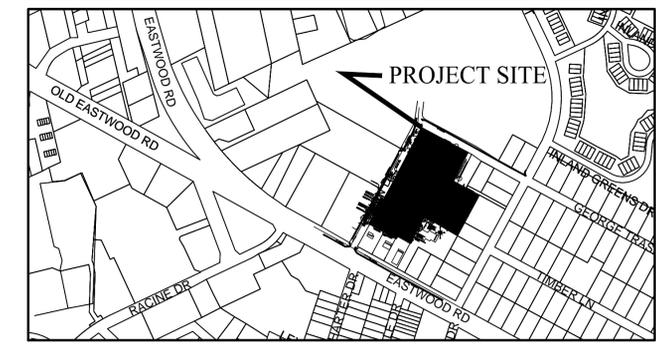
JBS CONSULTING, PA
 7332 Coatesworth Drive
 Wilmington, NC 28045
 (910) 619-9990
 LICENSE NUMBER C-2525
 PLANNING - ENGINEERING - PROJECT MANAGEMENT



EXISTING SITE
AA STORAGE EXPANSION
 120 VISION DRIVE
 WILMINGTON, NORTH CAROLINA

OWNER/DEVELOPER
EMROSE CORPORATION
 231 S. GARNETT STREET
 HENDERSON, NC 27536

SHEET
C1
 of 3
 JOB NO. 046-002



VICINITY MAP
NTS

SITE DATA

ADDRESS 120 VISION DRIVE
 WILMINGTON, NC 28403
 PARCEL ID NUMBERS R05013-002-001-000
 DEED BOOK & PAGE D.B. 1983 PG. 0338
 MAP BOOK & PAGE..... MB 55 PG. 216
 ZONING RB-REGIONAL BUSINESS
 CITY OF WILMINGTON
 TOTAL LOT AREA 7.28 ACRES
 CAMA LAND USE CLASSIFICATION .. URBAN
 PROPOSED USE.....SELF STORAGE/WAREHOUSE
 NUMBER OF BUILDINGS 12 EXISTING
 1 PROPOSED
 TOTAL 13 BUILDINGS
 BUILDING SQUARE FOOTAGE..... 92,913 SF (EXISTING)
 18,416 SF (PROPOSED)
 TOTAL 109,329 SF
 BUILDING COVERAGE..... 109,329 SF / (7.28 AC X 43560) = 34.8%
 40% MAXIMUM PER ORDINANCE 18-195
 PROPOSED BUILDING HEIGHT..... 13.2' MAXIMUM

PAVEMENT/BJA CALCULATIONS

EXISTING	ASPHALT	113,391 SF
	BUILDING	92,913 SF
	CONCRETE	0 SF
TOTAL EXISTING		206,304 SF
PROPOSED	ASPHALT	89,804 SF
	BUILDING	109,329 SF
	CONCRETE	315 SF
TOTAL PROPOSED		199,448 SF

	REQUIRED	PROPOSED
MIN. LOT AREA	1 ACRE	7.28 ACRES
MIN. LOT WIDTH	100'	73.4'
MAX. LOT COVERAGE	40%	7.9%
FRONT BUILDING SETBACK	25'	25'
REAR BUILDING SETBACK	15'	15.2'
SIDE BUILDING SETBACK	0'	
RIGHT SIDE		15.0'
LEFT SIDE		N/A
MAX. BUILDING HEIGHT	35'	13.2'

PARKING REQUIREMENTS

PER 18-528E PARKING REQUIRED IS 1:15 PER EMPLOYEES PER SHIFT. MAXIMUM ON THIS SITE INCLUDES TWO FULL TIME EMPLOYEES. THEREFORE 30 SPACES REQUIRED. PARKING REQUIREMENT IS MET WITH 6 PARKING SPACES AT OFFICE LOCATED AT 411 EASTWOOD AND AN ADDITIONAL 14 SPACES PROVIDED AT 120 VISION DRIVE.

BICYCLE PARKING

THE SITE LENDS IT SELF TO MULTIPLE AND NUMEROUS CHOICES FOR BICYCLE PARKING AREAS.

SOLID WASTE - SOLID WASTE DISPOSAL IS ACCOMMODATED BY 3 10 YD DUMPSTERS LOCATED NEAR THE CENTER OF THE FACILITY. (BETWEEN BLDGS 9 & 10).

UTILITY INFORMATION - NO WATER OR SEWER TO BE PROVIDED TO PROPOSED FACILITY

LANDSCAPING REQUIREMENTS

STREET YARD - PER SECTION 18-510 1/2 REQUIREMENT FOR NEW CONSTRUCTION. NEW CONSTRUCTION IS 25 MULTIPLIER.

735' (FRONTAGE) - 3 DRIVEWAYS (26' EACH) = 656' RB * 25 = 16,400 SF * 50% = 8,200' (MINIMUM REQUIRED)

PROPOSED STREETScape = 11,581 SF (PROVIDED)

SEE SHEET C3 FOR STREETYARD LANDSCAPE PLAN

INTERIOR LANDSCAPING

PER 18-510 4% REQUIRED

199,448 SF X 4% = 7986 SF (MINIMUM REQUIRED)

INTERIOR LANDSCAPING PROVIDED = 11,304 SF (PROVIDED)

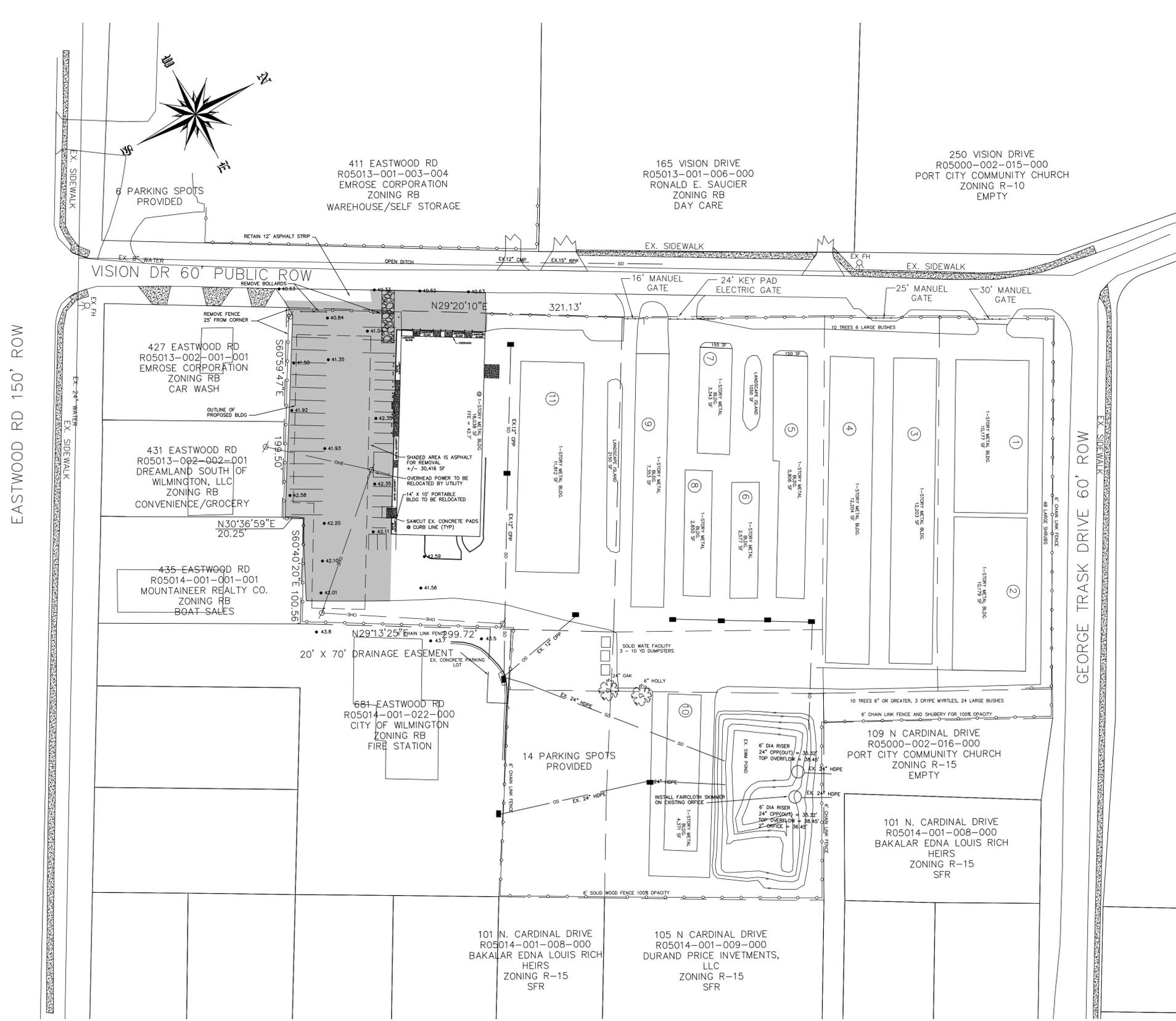
BUFFER YARD - BUFFER YARD ACCOMPLISHED WITH 6' SOLID WOOD FENCE BETWEEN THIS SITE AND RESIDENTIAL LOTS ON EAST SIDE OF FACILITY



LEGEND

EXIST. SPOT ELEVATION	• 20.0
PRO. SPOT ELEVATION	x 20.0
SILT FENCE	□
DRAINAGE RUNOFF FLOW	→
LIMITS OF CONSTRUCTION	—
ASPHALT	■
CONC. PAVEMENT	■
GRAVEL	■
EDGE OF WOODS	EOWDS
TOP OF BANK	TOB
EDGE OF WATER	EOW
EDGE OF GRAVEL	EOG

NO WETLAND WITHIN PROJECT AREA



Approved Construction Plan

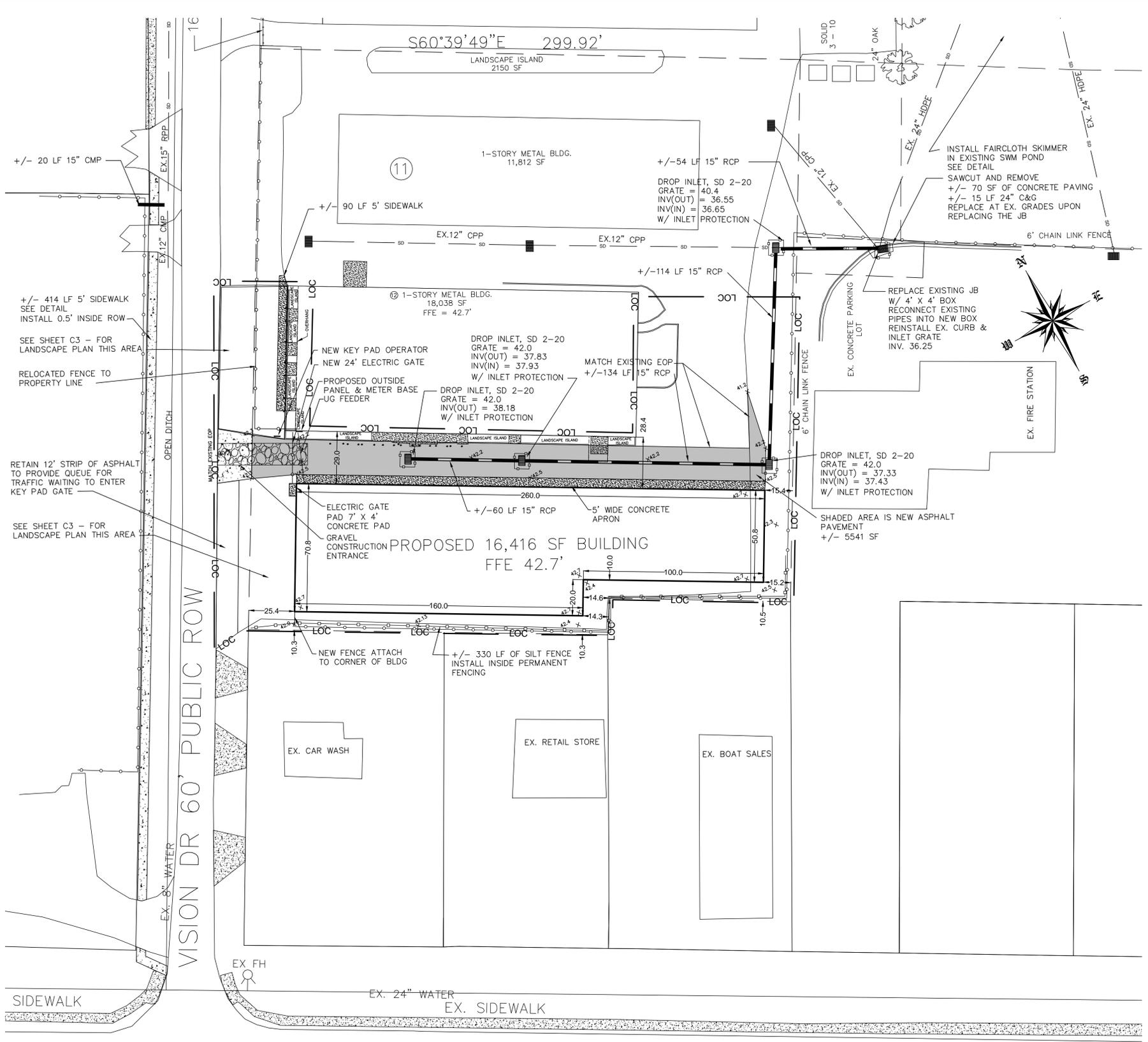
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Planning	_____
Traffic	_____
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CFPUA	_____

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
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EXISTING SITE
SCALE 1" = 50'

SCALE: 1"=50' (Horiz.)

REV.	NUMBER	DATE	REVISION



- ### EROSION CONTROL NOTES
- ANY CONSTRUCTION ACTIVITY BEYOND THE 1.1 ACRE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO FINES.
 - CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN ROAD RIGHT OF WAYS UNLESS OTHERWISE DESIGNATED TO REMAIN.
 - CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN THE LIMITS OF CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY UNSUITABLE SOILS.
 - CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
 - THE CONTRACTOR SHALL FURNISH ANY REQUIRED BORROW MATERIALS FROM A PROPERLY PERMITTED OFF-SITE FACILITY.
 - ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 21 CALENDAR DAYS OF COMPLETION OF GRADING. STABILIZE AREAS OTHER THAN SLOPES WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS, WHICHEVER IS SHORTER.
 - ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT.
 - SLOPES SHALL BE GRADED NO STEEPER THAN 3:1.
 - ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON BY THE FIELD INSPECTOR, ENGINEER, AND OWNER.
 - IF ACTIVE CONSTRUCTION CEASES IN ANY AREA FOR MORE THAN 15 CALENDAR DAYS, ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, AND TACKED.

- ### EROSION CONTROL MAINTENANCE PLAN
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF - PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK, ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
 - SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
 - ALL AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
 - GRAVEL CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS DEPOSITED ON THE ASPHALT AND STONE WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES OF #4 STONE TO MAINTAIN 6 INCH DEPTH.
 - INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1" 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 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 TO REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
 - 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.
 - INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1" OR GREATER) RAINFALL EVENT. CLEAR THE WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.
 - POND IS TO BE USED AS A SEDIMENT BASIN DURING THE CONSTRUCTION OF THE SITE.
 - ONCE THE SITE IS STABILIZED THE POND IS TO BE CLEARED OF ALL SEDIMENT AND ANY NECESSARY REPAIRS ARE TO BE MADE.

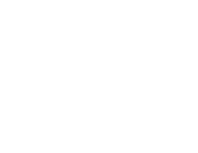
- ### CONSTRUCTION SEQUENCE
- OBTAIN ALL NECESSARY PERMIT APPROVALS PRIOR TO ANY LAND DISTURBING ACTIVITY.
 - HOLD A PRE-CONSTRUCTION MEETING WITH THE EROSION CONTROL INSPECTOR.
 - INSTALL THE FAIRCLOTH SKIMMER IN THE POND.
 - REMOVE ASPHALT AS INDICATED ON THE PLANS.
 - INSTALL SILT FENCING ALONG EXISTING FENCE.
 - INSTALL CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS.
 - INSTALL STORMWATER PIPING AS SHOWN ON THE PLANS.
 - INSTALL INLET PROTECTION WHEN STORMWATER PIPING IS COMPLETED.
 - FRAME AND POUR FOUNDATION FOR NEW STORAGE BUILDING.
 - ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY EROSION CONTROL MEASURES, REMOVE SEDIMENT FROM POND.

- ### GRADING NOTES
- INITIATE EROSION CONTROL SEQUENCE BEFORE BEGINNING CLEARING AND GRADING OPERATIONS.
 - CLEAR AREAS TO BE GRADED OF ALL VEGETATION. PROTECT VEGETATION BEYOND GRADING LIMITS.
 - STRIP TOPSOIL TO FULL DEPTH IN AREAS TO BE GRADED AND STOCKPILE.
 - COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY.
 - ALL BANKS AND SWALE SIDE SLOPES SHALL BE GRADED WITH NO GREATER THAN 3:1 SLOPES.
 - ALL AREAS ARE TO BE GRADED SO THAT NO AREAS OF STANDING WATER OCCUR.
 - PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADE.
 - OPERATOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADERS TO ENSURE DRAINAGE IN THE DIRECTIONS INDICATED ON THE PLAN.

LABEL	1) GROUND STABILIZATION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
[Cross-hatch pattern]	SITE AREA DESCRIPTION		
	-PERIMETER DIKES, DITCHES AND SLOPES	7 DAYS	NONE
	-HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
[Diagonal lines]	SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT DEEPER THAN 2:1 14 DAYS ARE ALLOWED
	SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
[Dotted pattern]	ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HOW ZONES)

- ### 2) BUILDING WASTES HANDLING
- NO PAINT OR LIQUID WASTES IN STREAM OF STORM DRAINS
 - DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE
 - EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE
 - CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.
- ### 3) INSPECTIONS
- SAME WEEKLY INSPECTION REQUIREMENTS
 - SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT
 - INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS"
 - INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED
 - RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST
 - ELECTRONICALLY-AVAILABLE RECORDS MAY BE SUBSTITUTES UNDER CERTAIN CONDITIONS
- ### 4) SEDIMENT BASINS
- OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACES UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE
 - USE ONLY DWG-APPROVED FLOCCULANTS
- ### NPDES - SPECIFIC PLAN SHEET NOTES
- THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000.
 - THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.
 - THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
 - THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.

- ### LEGEND
- EXST. SPOT ELEVATION ● 20.0
 - PRO. SPOT ELEVATION x20.0
 - SILT FENCE [Symbol]
 - DRAINAGE RUNOFF FLOW [Symbol]
 - LIMITS OF CONSTRUCTION [Symbol]
 - ASPHALT [Symbol]
 - CONC. PAVEMENT [Symbol]
 - GRAVEL [Symbol]
 - EDGE OF WOODS **EOWDS**
 - TOP OF BANK **TOB**
 - EDGE OF WATER **EOW**
 - EDGE OF GRAVEL **EOG**



NO WETLAND WITHIN PROJECT AREA

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	
CFPUA	

STORMWATER MANAGEMENT PLAN

APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT

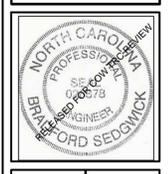
DATE _____ PERMIT # _____
SIGNED _____

SITE PLAN
SCALE 1" = 30'

SCALE: 1"=30' (Horiz.)

DESIGNED BY: BDB
DRAWN BY: BDB
CHECKED BY: BDB
DATE: APRIL, 2013

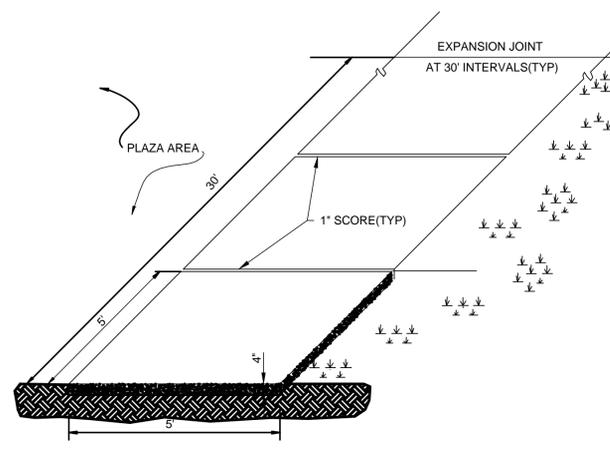
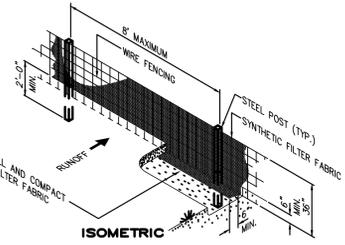
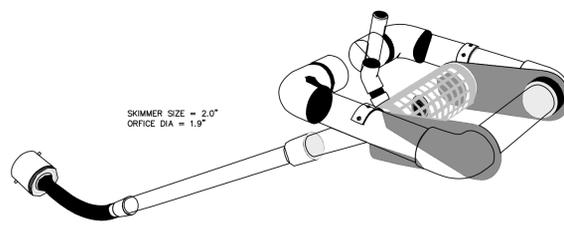
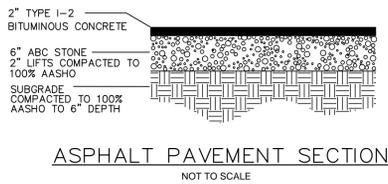
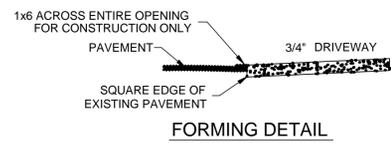
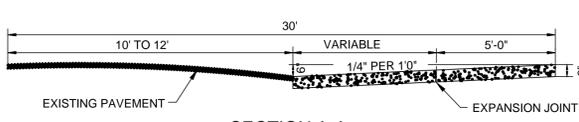
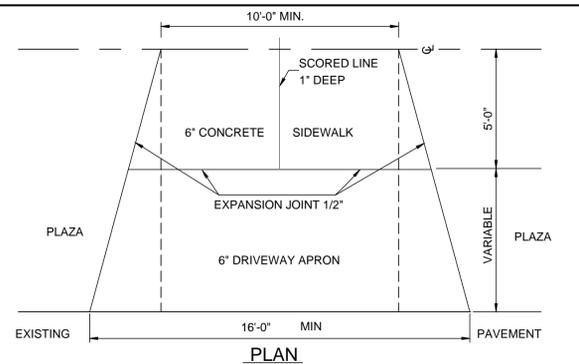
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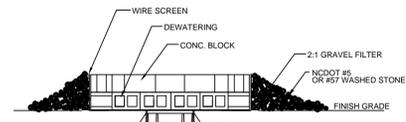
SITE PLAN
GRADING, DRAINAGE & EROSION CONTROL
AA STORAGE EXPANSION
 120 VISION DRIVE
 WILMINGTON, NORTH CAROLINA

OWNER/DEVELOPER
EMROSE CORPORATION
 231 S. GARNETT STREET
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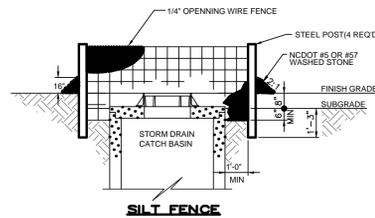
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C2
of 3
JOB NO. 046-002



STANDARD SIDEWALK DETAIL
SD 8-15
NOT TO SCALE



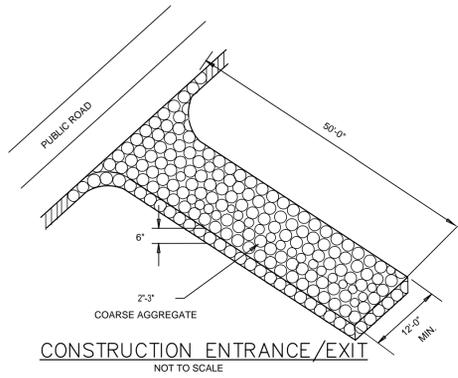
BLOCK AND GRAVEL



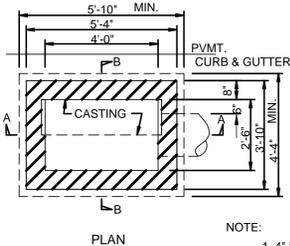
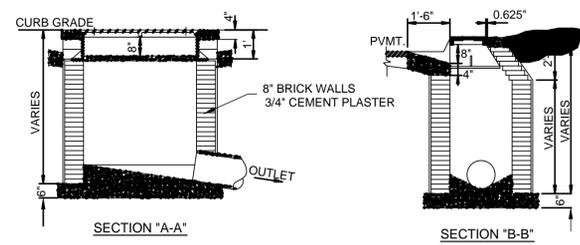
SILT FENCE

NOTE: USE BLOCK AND GRAVEL INLET PROTECTION IN AREAS WHERE SILT FENCE INLET PROTECTION CAN NOT BE INSTALLED.

INLET SEDIMENTATION CONTROL
NOT TO SCALE

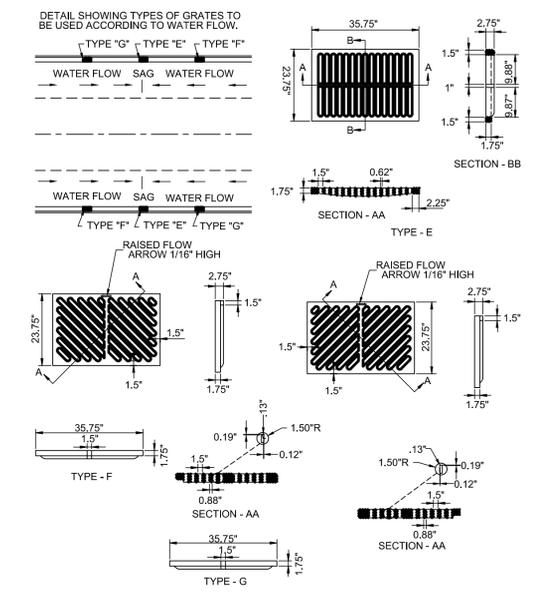


CONSTRUCTION ENTRANCE/EXIT
NOT TO SCALE

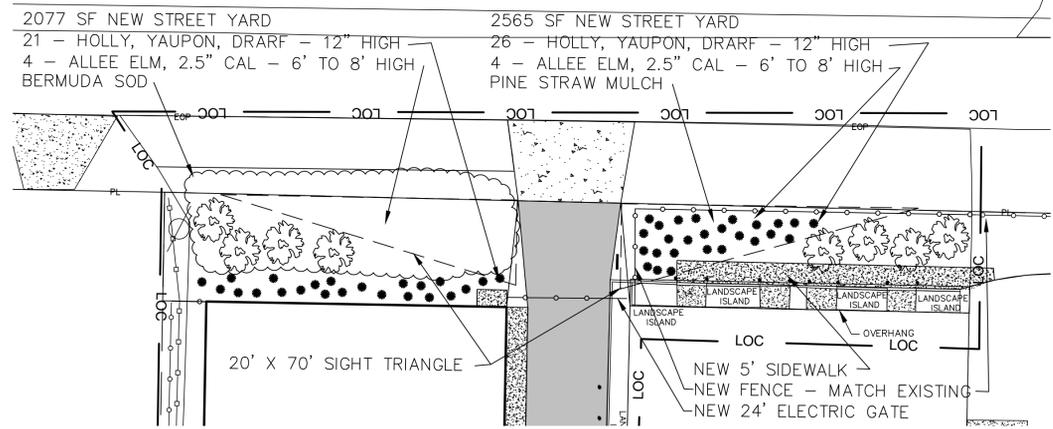


NOTE:
1. 4" DEEP X 8" WIDE CONCRETE COPING ALL AROUND BASIN CASTING.
2. ALL CONCRETE TO BE CLASS "A"
3. FOR CASTING DETAIL SEE SD 2-16

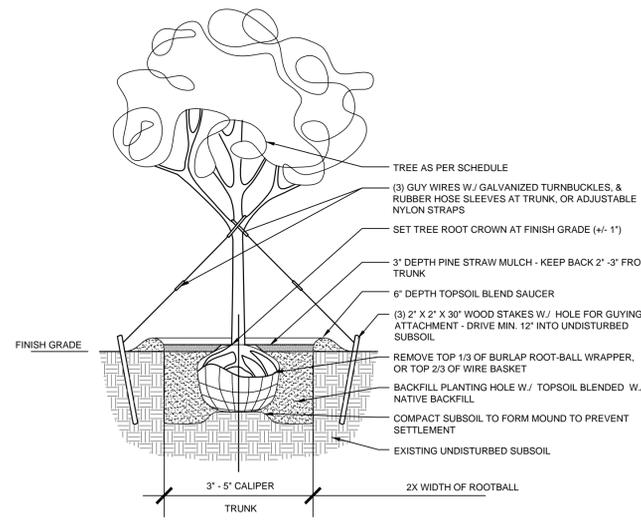
CATCH BASIN
SD 2-01
NOT TO SCALE



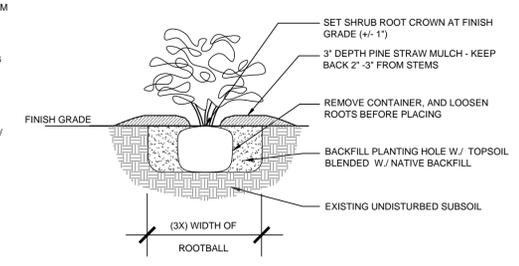
CATCH BASIN GRATE FOR PRE-CAST
SD 2-20
NOT TO SCALE



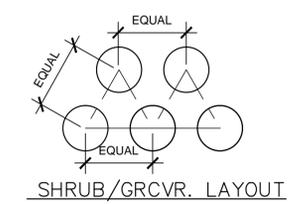
LANDSCAPE PLAN
SCALE 1" = 20'



TREE PLANTING DETAIL
N.T.S.

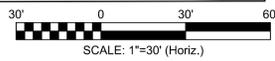


SHRUB/GRCVR. PLANTING DETAIL
N.T.S.



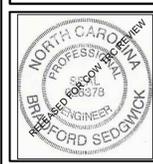
SHRUB/GRCVR. LAYOUT

Approved Construction Plan		STORMWATER MANAGEMENT PLAN APPROVED	
Name _____	Date _____	CITY OF WILMINGTON ENGINEERING DEPARTMENT	
Planning _____		DATE _____ PERMIT # _____	
Traffic _____		SIGNED _____	
Fire _____			
CFPUA _____			



DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: APRIL, 2013

JBS CONSULTING, PA
7332 Catesworth Drive
Wilmington, NC 28045
(910) 619-9990
LICENSE NUMBER C-2525
PLANNING - ENGINEERING - PROJECT MANAGEMENT



DETAILS
AA STORAGE EXPANSION
120 VISION DRIVE
WILMINGTON, NORTH CAROLINA

OWNER/DEVELOPER
EMROSE CORPORATION
231 S. GARNETT STREET
HENDERSON, NC 27536

SHEET
C3
JOB NO. 046-002