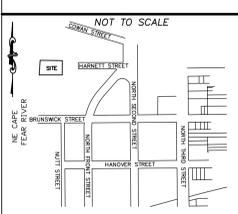
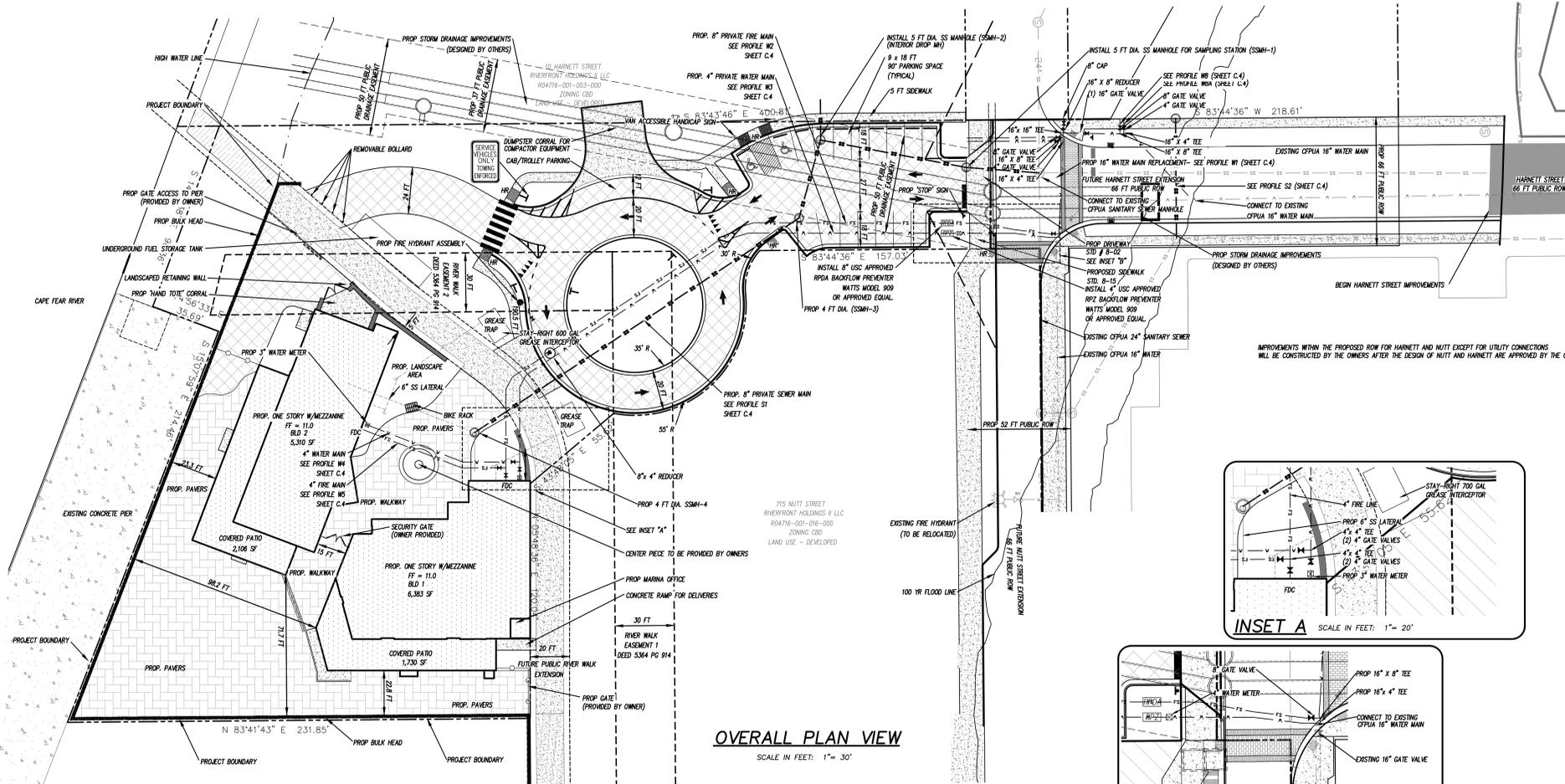


LOCATION MAP



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

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



OVERALL PLAN VIEW
 SCALE IN FEET: 1" = 30'

SITE & BUILDING DATA:

TOTAL LOT AREA = 81,404 SF (1.87 AC)
 PROPERTY ADDRESS IS 14 & 18 HARNETT STREET
 PORTION OF PID = R0476-001-015-000

EXISTING DATA:
 EXISTING BUILDINGS ON SITE = N/A
 EXISTING FOUNDATIONS = N/A
 EXISTING SIDEWALK = N/A
 0 SF / 81,404 SF
 EXISTING GLOB IMPERVIOUS

PROPOSED ON-SITE DATA:
 PROPOSED ASPHALT AREA: 21,022 SF
 PROPOSED SIDEWALK AREA: 2,988 SF
 PROPOSED PAVEMENT AREA: 17,509 SF
 PROPOSED RIVERWALK AREA: 1,110 SF
 PROPOSED FUTURE AREA: 1,800 SF
 TOTAL PROPOSED IMPERVIOUS AREA: 44,529 SF

PROPOSED OFF-SITE DATA:
 RIVER WALK IMPROVEMENTS: 1,761 SF
 PROPOSED HARNETT ST. IMPROVEMENTS: 11,883 SF
 PROPOSED BRUNSWICK ST. IMPROVEMENTS: 6,925 SF
 **TOTAL OFF-SITE IMPERVIOUS AREA: 20,549 SF

IMPERVIOUS PERMITTED IN FAB STORMWATER PERMIT BUT SITE SPECIFIC PLAN SUBMITTED UNDER SEPARATE REVIEW
 **12,972 SF OF OFF-SITE IMPERVIOUS BEING TREATED IN SW BMP.
 61,998 SF / 81,404 SF = 0.762 OR 76% IMPERVIOUS
 PROPOSED 77% IMPERVIOUS

BUILDING DATA:
 PROPOSED CONSTRUCTION TYPE = # 8
 NUMBER OF BUILDINGS = 2
 BUILDING HEIGHT
 BLACKENY = 33'
 HDA = 34' 8"

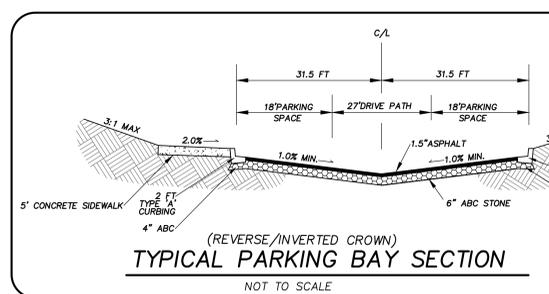
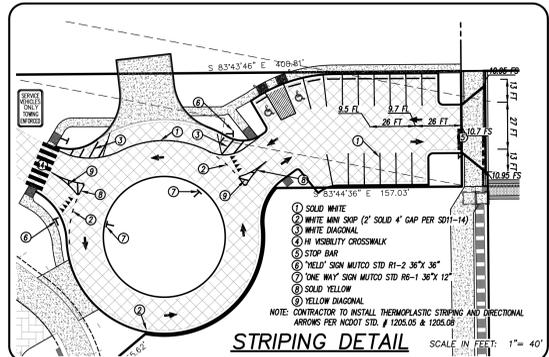
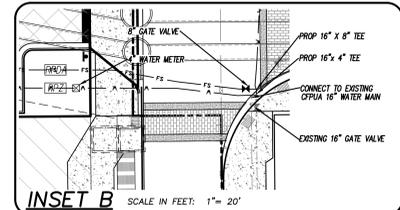
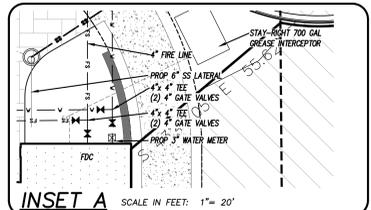
NUMBER OF STORES = 1 PLUS MEZZANINE
 SF BY BUILDING / FLOOR = BUILDING 1 BUILDING 2
 FIRST FLOOR = 6,383 SF 5,310 SF
 MEZZANINE = 2,430 SF 2,534 SF
 COVER PATIO = 1,200 SF 2,100 SF

GROSS BUILDING AREA = 16,169 (BOLDS 1 & 2)
 PROPOSED BUILDING AND 16,169 SF
 LOT COVERAGE: 16,169 SF / 81,404 SF = 0.198
 PROPOSED 20% BUILDING LOT COVERAGE

BUILDING SETBACKS:
 BUILDING 1
 REQUIRED SETBACKS: PROPOSED SETBACKS
 NORTH SETBACK: 0 FT NORTH SETBACK: 16 FT
 SOUTH SETBACK: 0 FT SOUTH SETBACK: 22.6 FT
 EAST SETBACK: 0 FT EAST SETBACK: 5 FT
 WEST SETBACK: 0 FT WEST SETBACK: 98.2 FT

BUILDING 2
 REQUIRED SETBACKS: PROPOSED SETBACKS
 NORTH SETBACK: 0 FT NORTH SETBACK: 118.7 FT
 SOUTH SETBACK: 0 FT SOUTH SETBACK: 22.6 FT
 EAST SETBACK: 0 FT EAST SETBACK: 5 FT
 WEST SETBACK: 0 FT WEST SETBACK: 23.3 FT

PARKING DATA:
 OFF-STREET PARKING = N/A
 PARKING PROVIDED = N/A
 PARKING PROVIDED = 17 SPACES
 1 HANDICAP SPACE REQUIRED
 2 HANDICAP SPACES PROVIDED



LEGEND

—	EXISTING BOUNDARY	—	EXISTING / PROPOSED STORM SEWER & CATCH BASIN
—	CENTERLINE OF RIGHT OF WAY	—	EXIST. IRON PIPE
—	CONTOUR LINE & ELEVATION	—	EXIST. WATER SERVICE CONNECTION
—	EXISTING SANITARY SEWER & MANHOLE	—	EXIST. CONCRETE MONUMENT
—	EXISTING WATERLINE	—	HANDICAP RAMP (H)
—	PROPOSED BUILDING FOOTPRINT	—	EX. ELEV. & DESCRIPTION

THE DETAILS AS SHOWN ON THIS MAP SHALL IN NO WAY BE INTERPRETED TO SUPPLANT OR SUPERSEDE THE PROVISIONS AND OBLIGATIONS OF DEVELOPER AS SET FORTH IN AMENDMENT NO. 1 DEVELOPMENT AGREEMENT AS SHOWN ON BOOK 5790 AT PAGE 2173 OF THE NEW HANOVER COUNTY REGISTRY, OR ANY AMENDMENTS THEREOF. ALL OBLIGATIONS OF DEVELOPER AS LISTED IN THE ABOVE REFERENCED DEVELOPMENT AGREEMENT AMENDMENT SHALL CONTINUE IN FULL FORCE AND EFFECT. NO FULL, TEMPORARY OR PARTIAL CERTIFICATE OF OCCUPANCY MAY BE ISSUED TO THE "RIVERFRONT FOOD AND BEVERAGE COMPLEX" PROJECT UNTIL A PUBLIC RESTROOM FACILITY AS MORE FULLY DESCRIBED IN 8.2 (D) OF THE DEVELOPMENT AGREEMENT, AS AMENDED, HAS BEEN COMPLETED AND APPROVED BY THE CITY.

WATER & SEWER USAGE NOTES:

- CURRENT WATER USAGE 0 GPD PROPOSED WATER USAGE 26,560 GPD
 CURRENT SEWER USAGE 0 GPD PROPOSED SEWER USAGE 26,560 GPD
 * DETERMINED BY 664 SEATS X 40 GAL/SEAT
- FIRE & LIFE SAFETY NOTES:**
- LANDSCAPING OR PARKING CANNOT BLOCK OR IMPED FIRE HYDRANTS OR FDIC'S. A 3FT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT.
 - CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 - UNDERGROUND FIRE LINE MUST BE PERMITTED AND INSPECTED BY THE CITY OF WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT OF WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0898 FOR ADDITIONAL INFORMATION.
 - FIRE INSPECTOR MUST WITNESS THE HYDROSTATIC TESTING. MINIMUM TESTING TIME IS TWO HOURS.
 - A 24 HOUR MINIMUM NOTIFICATION IS NEEDED PRIOR TO ANY OF THE ABOVE TEST(S) OR INSPECTIONS BEING PERFORMED.
 - FDIC CONNECTIONS CAN BE NO FURTHER THAN 40 FT FROM FIRE HYDRANT ACCESS.
 - FDIC CONNECTIONS CAN BE NO FURTHER THAN 150 FT FROM A FIRE HYDRANT.
 - NEWLY INSTALLED FIRE HYDRANTS MUST BE OPERATIONAL PRIOR TO COMBUSTIBLE CONSTRUCTION MATERIALS BEING BROUGHT ON-SITE.

UTILITY NOTES:

- PROJECT SHALL COMPLY WITH THE CITY OF WILMINGTON AND OFPIA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE SET AND ACTIVATED ON NEW MAINS UNTIL ALL REQUIREMENTS ARE MET. CALL 343-3910 FOR INFORMATION.
- IF THE CONTRACTOR SERVES WATER FOR CONSTRUCTION BEHIND 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.
- ALL COMMERCIAL WATER SERVICES AND ANY IRRIGATION SYSTEMS SUPPLIED BY THE CITY WATER SHALL HAVE A BACKFLOW PREVENTION DEVICE ACCEPTABLE TO THE OFPIA AND APPROVED BY USDOCCOR OR ASSE. CALL 789-8284 FOR INFORMATION.
- WHEN PUMP WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRAPPED TO HAVE ONE END SECURED TO ALL MAINS AND FITTINGS. THE WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO ADD IN FUTURE LOCATION OF FACILITIES.
- 30" MINIMUM COVER OVER ALL WATER MAINS.
- ANY SEPARATE CONNECTION FOR IRRIGATION SHALL COMPLY WITH CITY AND OFPIA CROSS-CONNECTION REQUIREMENTS WITH APPROVED BACKFLOW PREVENTION DEVICES.
- AT LOCATIONS WHERE WATER MAIN CROSSES UNDER SANITARY SEWER, DUCTILE IRON PIPE SHALL BE USED ALONG WITH PROVIDING 24" MINIMUM OF VERTICAL SEPARATION.
- WATER SERVICES CAN NOT BE ACTIVATED ON NEW WATER MAINS UNTIL ENGINEER'S CERTIFICATION AND APPLICANT'S APPLICANT'S CERTIFICATION HAVE BEEN PROVIDED TO INTERNR AND TINAL APPROVAL ISSUED.

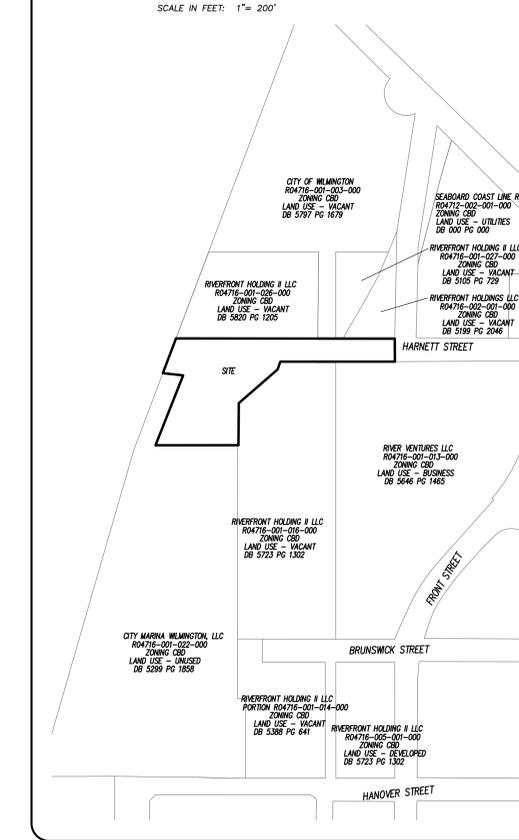
TRAFFIC ENGINEERING NOTES:

- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION FOR REVIEW AND APPROVAL PRIOR TO RECORDING OF THE FINAL PLAN. PLAN SHALL ADHERE TO 15-17.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCO STANDARDS.
- OPEN CUT NOTES:
 A. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-8888 FOR MORE DETAILS.
 B. CONTRACTOR TO COORDINATE WITH CITY OF WILMINGTON FOR ACCEPTABLE HOURS OF CONSTRUCTION AND TRAFFIC CONTROL DURING INSTALLATION OF UTILITIES IN CITY ROADS.
 C. OUTSIDE CURBING AND APPROVED STONE & BASE COURSES TO BE INSTALLED IN PLACE OF OPEN CUT.
 D. OPEN CUT TO BE SAW CUT.
 E. ALL PAVEMENT MARKINGS IN PUBLIC BEYOND S OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR MUTCO STANDARDS.
 F. ALL CITY AND/OR MUTCO STANDARDS.
 G. ALL PAVEMENT MARKINGS IN PUBLIC BEYOND S OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR MUTCO STANDARDS.
 H. ALL PAVEMENT MARKINGS IN PUBLIC BEYOND S OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR MUTCO STANDARDS.
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 X. ALL PAVEMENT MARKINGS IN PUBLIC BEYOND S OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR MUTCO STANDARDS.
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 Z. ALL PAVEMENT MARKINGS IN PUBLIC BEYOND S OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR MUTCO STANDARDS.

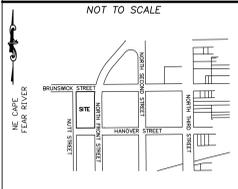
ENVIRONMENTAL NOTES:

- NO LAND DISTURBANCE IS PERMITTED OUTSIDE THE DESIGNATED LIMITS OF DISTURBANCE OTHER THAN WHAT IS NECESSARY TO THE INFO EXISTING CONDITIONS OR MEET LANDSCAPING REQUIREMENTS.
- CONTAMINATED SOILS REVEALED IN BROWNISHED AGREEMENT TO BE REMOVED OF PER OWNER'S WASTE MANAGEMENT PLAN.

ADJACENT PROPERTY OWNER DETAIL



LOCATION MAP



NOTE WELL:

- SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND ACTIVITIES HAVE TEMPORARILY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - PERIMETER DITCHES, SWALES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM LAST LAND-DISTURBING ACTIVITY.
 - ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM LAST LAND-DISTURBING ACTIVITY.
- DEMUDED AREAS MUST BE STABILIZED WITHIN FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.
- THIS PLAN TO BE UTILIZED AND REVIEWED ONLY IN CONJUNCTION WITH THE WRITTEN NARRATIVE, WHICH IS AN INTEGRAL PART OF THIS EROSION AND SEDIMENT CONTROL PLAN.
- ALL SLOPES SHALL BE 3:1 OR FLATTER.
- ALL ROOF DRAINS TO BE DIRECTED TO STORM DRAINAGE SYSTEM.
- NO WETLANDS EXIST ON SITE.
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY MICHAEL UNDERWOOD AND ASSOCIATES, PA
- ELEVATION DATUM: NAVD 88

CONSTRUCTION SCHEDULE --

- OBTAIN APPROVAL OF PLAN AND ANY NECESSARY PERMITS, AND HOLD A PRE-CONSTRUCTION CONFERENCE PRIOR TO COMMENCING ANY WORK.
- FLAG WORK LIMITS AND STAKE-OUT PARKING LOT AND STORM DRAINAGE STRUCTURES FOR PRELIMINARY GRADING.
- INSTALL GRAVEL CONSTRUCTION ENTRANCES.
- INSTALL SILT FENCING PRIOR TO CLEARING AND GRUBBING.
- PERFORM EXCAVATION NECESSARY TO CONSTRUCT BULKHEAD AND INSTALL NECESSARY FILL MATERIAL.
- ROUGH GRADE THE REMAINING SITE AND ANY STOCKPILING OF MATERIAL AND TOPSOIL NECESSARY.
- INSTALL UTILITIES, ESTABLISH FINAL PARKING LOT GRADES AND STABILIZE WITH STONE BASE COURSE.
- FINAL GRADE, INSTALL NON-MUNICIPAL UTILITIES AS NEEDED, AND VEGETATIVELY STABILIZE AREAS WHERE BUILDING CONSTRUCTION IS NOT IMMINENT.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSPECTED WEEKLY AND AFTER ANY RAINFALL, AND REPAIRED AS NECESSARY.
- UPON COMPLETION OF CONSTRUCTION, GRAVEL CONSTRUCTION ENTRANCE IS TO BE REMOVED AND ALL PARKING AREAS ARE TO BE PAVED AND ALL AREAS PERMANENTLY VEGETATIVELY STABILIZED.

MAINTENANCE PLAN --

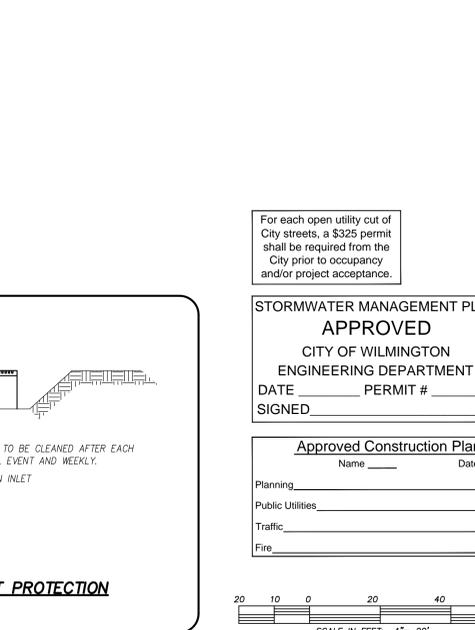
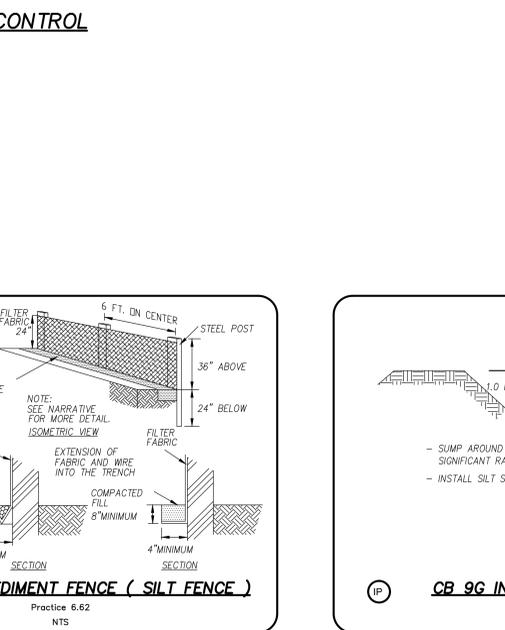
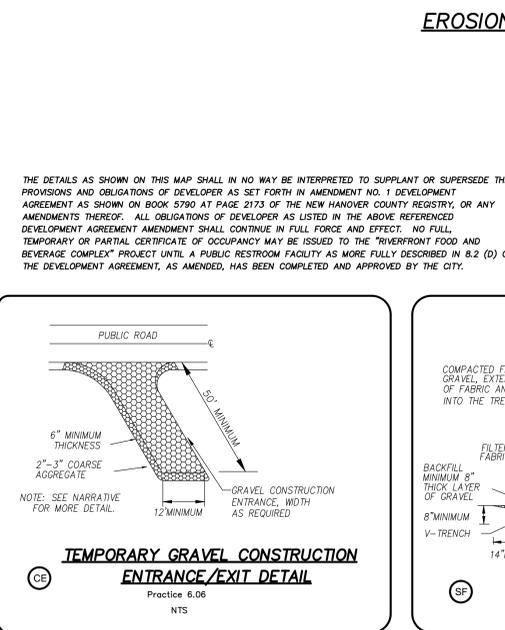
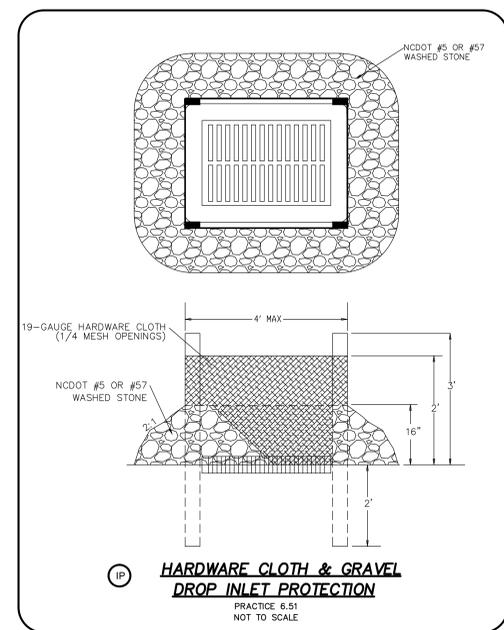
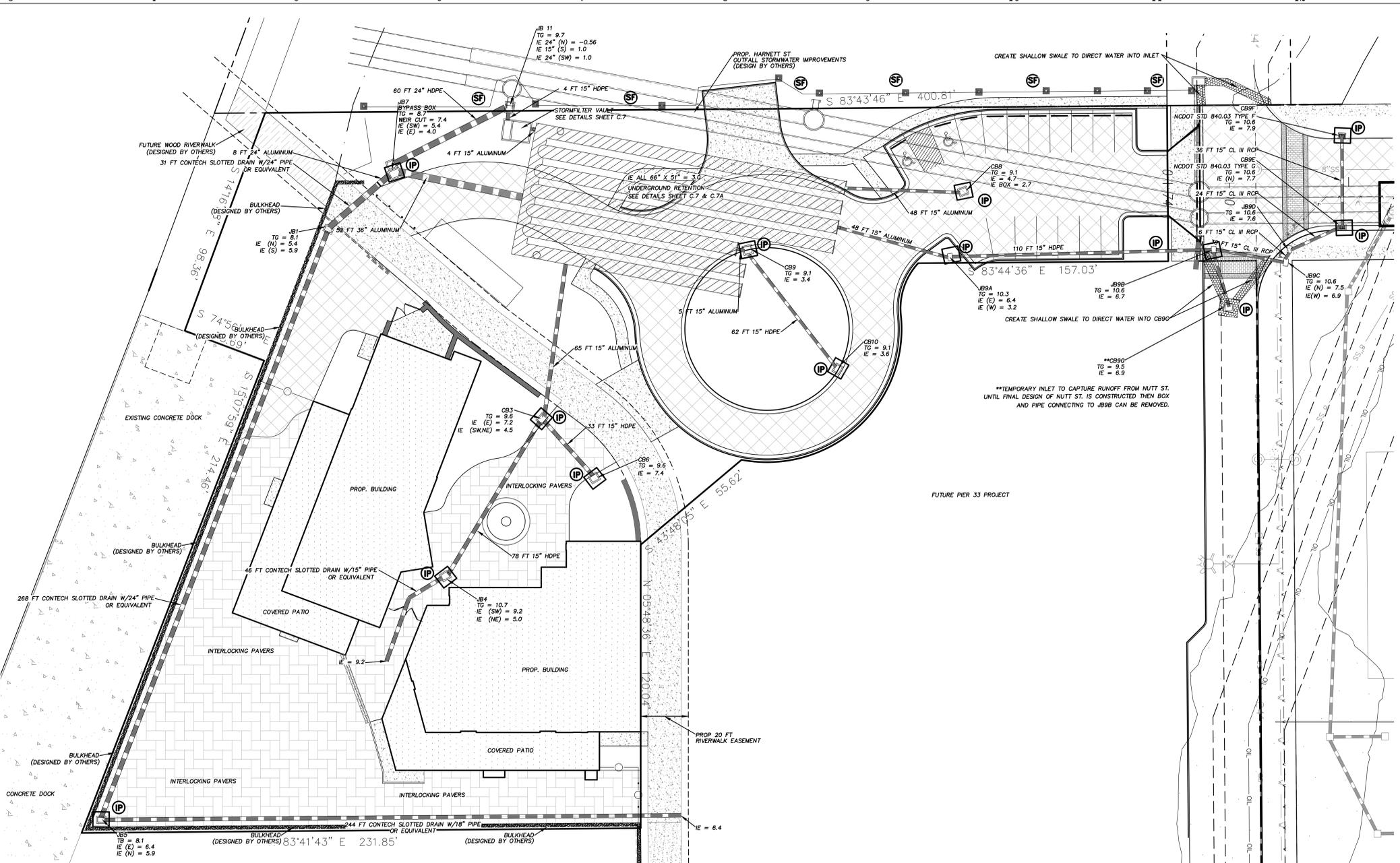
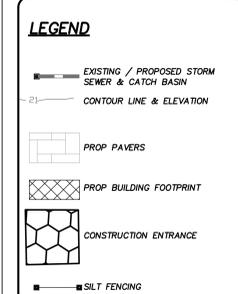
- ALL MEASURES TO BE INSPECTED WEEKLY AND AFTER ANY RAINFALL AND INLET PROTECTION TO BE REPAIRED AS NEEDED TO MAINTAIN A BARRIER.
- SEDIMENT TO BE REMOVED FROM BEHIND ANY SILT FENCE AND INLET PROTECTION DEVICES WHEN IT BECOMES 0.5' DEEP. FENCING EVENT AND NEEDED REPAIRS MADE IMMEDIATELY.
- ALL SODDED AREAS SHALL BE FERTILIZED, MULCHED, AND RE-SODDED AS NECESSARY, ACCORDING TO SPECIFICATIONS PROVIDED, TO MAINTAIN A SUITABLE VEGETATIVE COVER.
- CONSTRUCTION ENTRANCE TO BE MAINTAINED IN SUCH A MANNER AS TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. PERIODIC TOPDRESSING WITH 2-INCH STONE MAY BE REQUIRED. INSPECT AFTER EACH RAINFALL AND IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.
- INSPECT INLET PROTECTION FABRIC BARRIERS AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED.

VEGETATIVE PLAN --

- PERMANENT VEGETATION TO BE ESTABLISHED IN ACCORDANCE WITH "NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL", SECTION 6.11, LATEST VERSION. SEE SHEET C1.

PLANNED EROSION AND SEDIMENT CONTROL PRACTICES --

- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**
Practice 6.06
SHALL BE INSTALLED AT THE ENTRANCES TO THE PROJECT FROM AN EXISTING ROADWAY. DRAINAGE SHOULD BE AWAY FROM THE ROAD AND EROSION WILL BE CONTROLLED WITH DOWNSTREAM PRACTICES. DURING WET WEATHER IT MAY BE NECESSARY TO WASH TRUCK TIRES AT THESE LOCATIONS.
- LAND GRADING**
Practice 6.02
GRADING SHOULD BE LIMITED TO AREAS AS SHOWN ON THE PLANS. CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER EXCEPT WHERE SPECIFICALLY INDICATED. CARE SHALL BE TAKEN DURING LAND GRADING ACTIVITIES NOT TO DAMAGE EXISTING TREES THAT ARE IDENTIFIED AS "TO BE PRESERVED".
- SEDIMENT FENCE**
Practice 6.62
SEDIMENT FENCING SHOULD BE INSTALLED AS SHOWN ON THE PLAN, TO DELINEATE AND PROTECT WETLANDS AND SPECIFIED AREAS, AND AROUND ANY TEMPORARY STOCKPILE AREAS AS NECESSARY TO PREVENT ANY GRADED INTERIOR AREAS FROM ERODING ONTO ADJACENT LANDS OR ROADWAY, OR INTO INLETS, OR AS DIRECTED BY ENGINEER OR NEW HANOVER COUNTY EROSION CONTROL PERSONNEL.
- INLET PROTECTION**
Practice 6.52
STORM SEWER INLET BARRIERS OF SILT FENCING OR BLOCK AND GRAVEL INLET PROTECTION ARE TO BE CONSTRUCTED TO HELP PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.

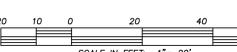


EROSION CONTROL

THE DETAILS AS SHOWN ON THIS MAP SHALL IN NO WAY BE INTERPRETED TO SUPPLANT OR SUPERSEDE THE PROVISIONS AND OBLIGATIONS OF DEVELOPER AS SET FORTH IN AMENDMENT NO. 1 DEVELOPMENT AGREEMENT AS SHOWN ON BOOK 5790 AT PAGE 2173 OF THE NEW HANOVER COUNTY REGISTRY, OR ANY AMENDMENTS THEREOF. ALL OBLIGATIONS OF DEVELOPER AS LISTED IN THE ABOVE REFERENCED DEVELOPMENT AGREEMENT AMENDMENT SHALL CONTINUE IN FULL FORCE AND EFFECT. NO FULL TEMPORARY OR PARTIAL CERTIFICATE OF OCCUPANCY MAY BE ISSUED TO THE "RIVERFRONT FOOD AND BEVERAGE COMPLEX" PROJECT UNTIL A PUBLIC RESTROOM FACILITY AS MORE FULLY DESCRIBED IN 8.2 (D) OF THE DEVELOPMENT AGREEMENT, AS AMENDED, HAS BEEN COMPLETED AND APPROVED BY THE CITY.

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

Approved Construction Plan
Name _____ Date _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____



CJMW ARCHITECTURE
119 Brookstown Ave. Suite 100
Winston-Salem, NC 27101
p. 336.724.1503
www.cjmw.com

CSD
LICENSE # C-2710
COASTAL SITE DESIGN, PC
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL
P.O. Box 4041
Wilmington, NC 28406
(910) 791-4441

PERMIT SET



revisions

- REVISED IE IN CB 9 & CB 10
- REVISED DG DETENTION SYSTEM 8-29-14
- ADDED DEV. NOTE: 11-6-14
- REMOVED CB2 12-9-14
- SUBMITTED TO CITY FOR CONST. RELEASE 1-13-15
- REVISED WATER, SEWER, SD UTILITIES 2-4-15
- ADDED CB96 2-9-15

RIVERFRONT FOOD & BEVERAGE COMPLEX

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CJMW Architecture, PA

CIVIL - GRADING, STORMWATER & EROSION CONTROL PLAN

C.5

date: September 27, 2013
commission: 12-0050
drawn by: RLW



PERMIT SET



revisions

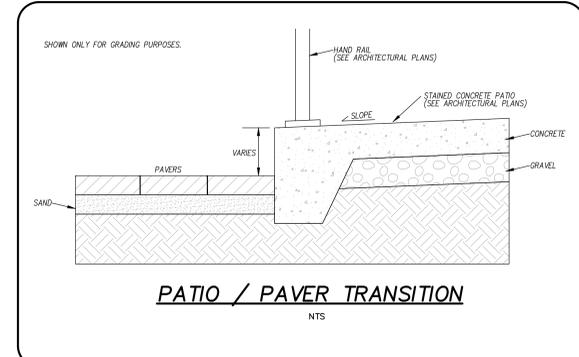
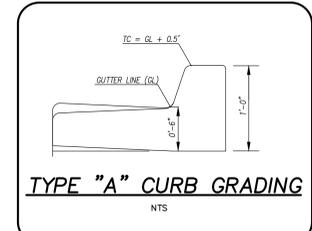
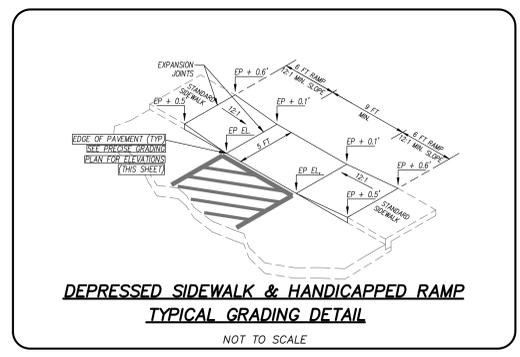
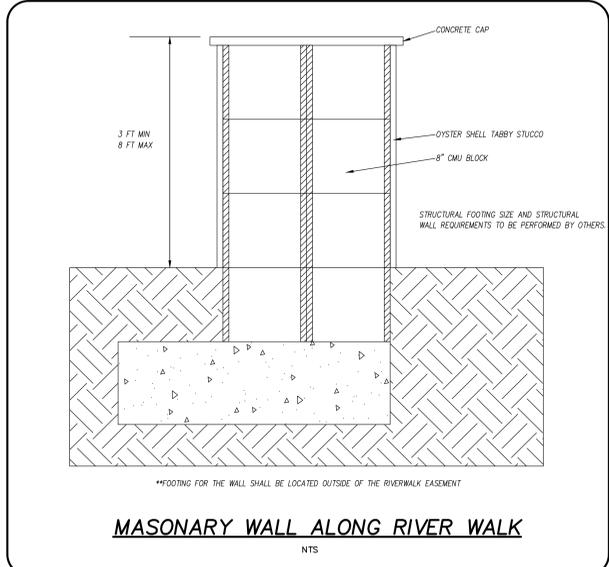
1. REVISED GRADING 8-29-14
2. ADDED DEV. NOTE: 11-6-14
3. REVISED GRADING: 12-9-14
4. SUBMITTED TO CITY FOR CONST. RELEASE 1-13-15
5. REVISED DETAIL 2-19-15

RIVERFRONT
FOOD & BEVERAGE
COMPLEX

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CIVIL - GRADING, STORMWATER &
EROSION CONTROL PLAN

sheet
C.6
date: September 27, 2013
commission: 12-0050
drawn by: RLW

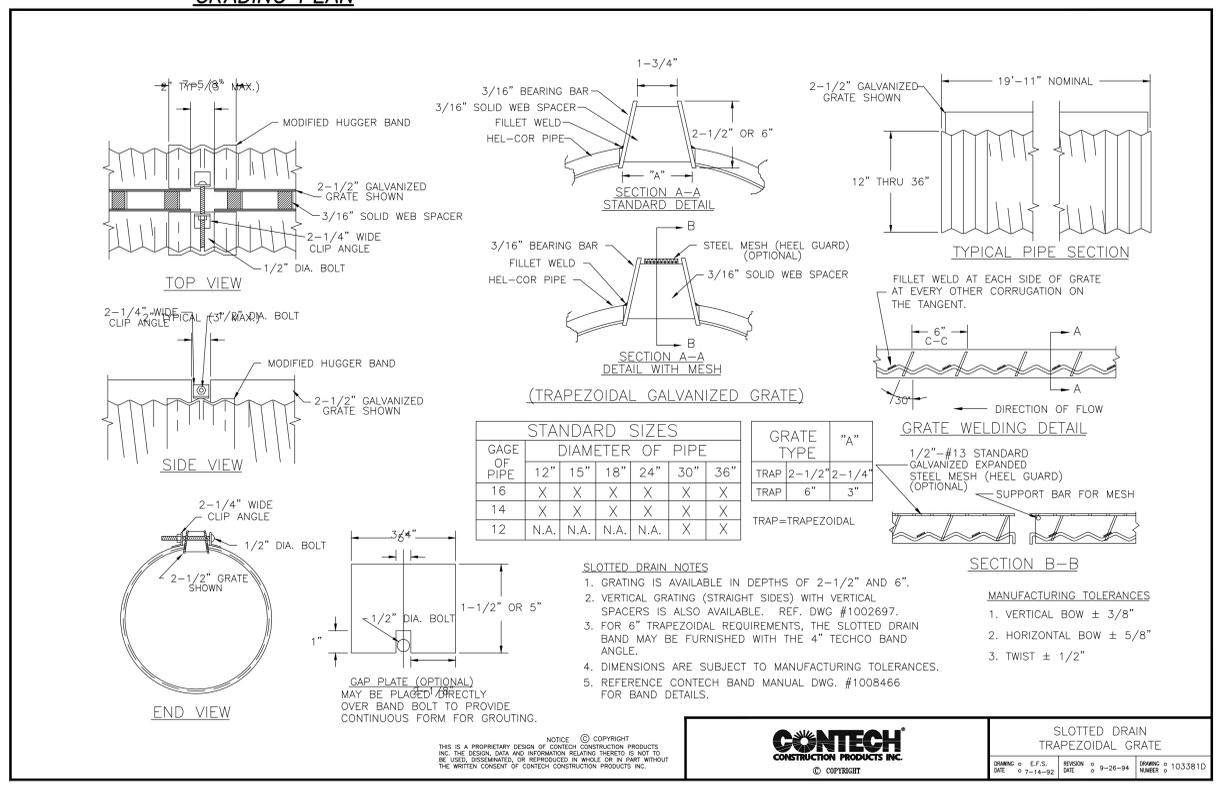
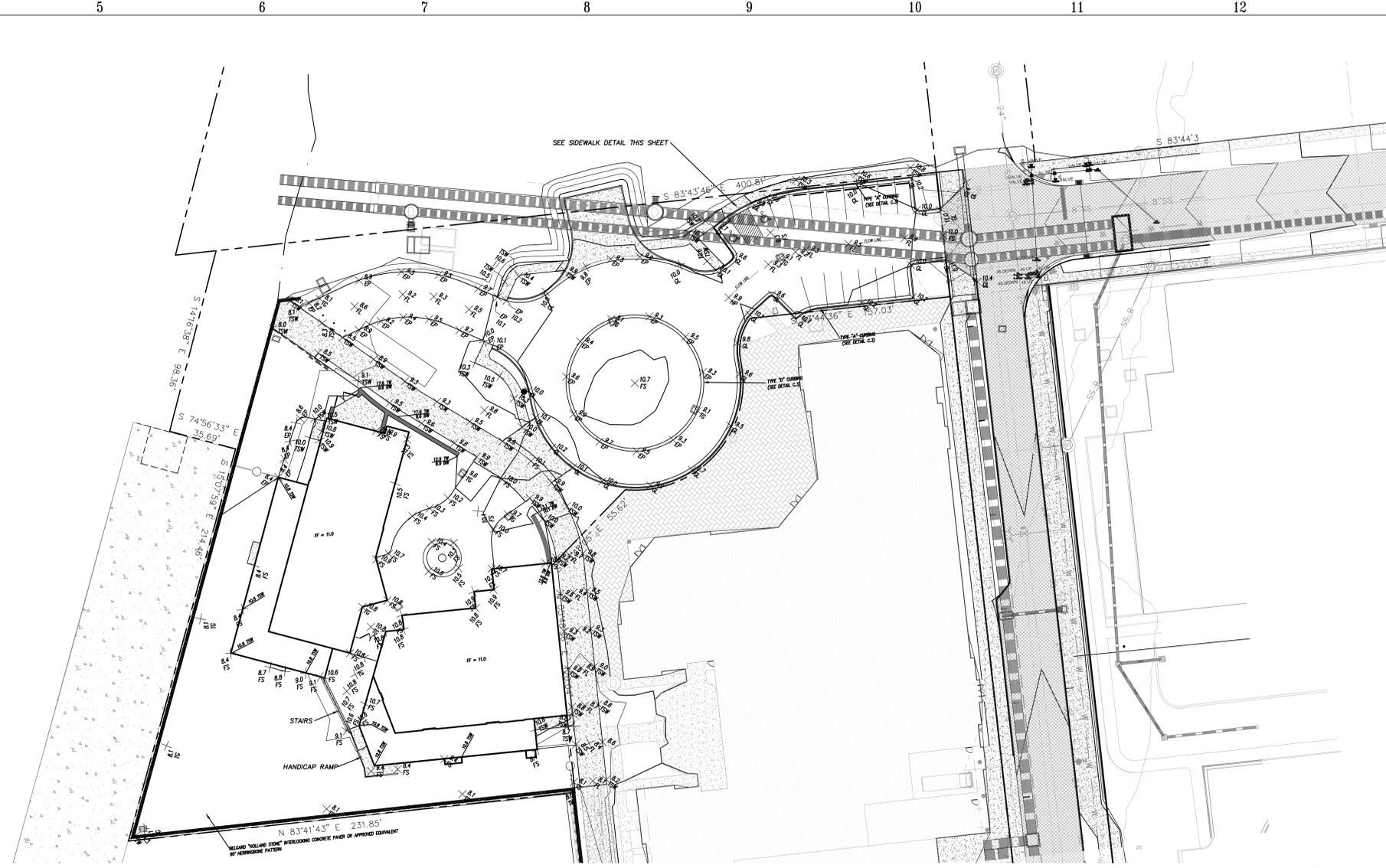


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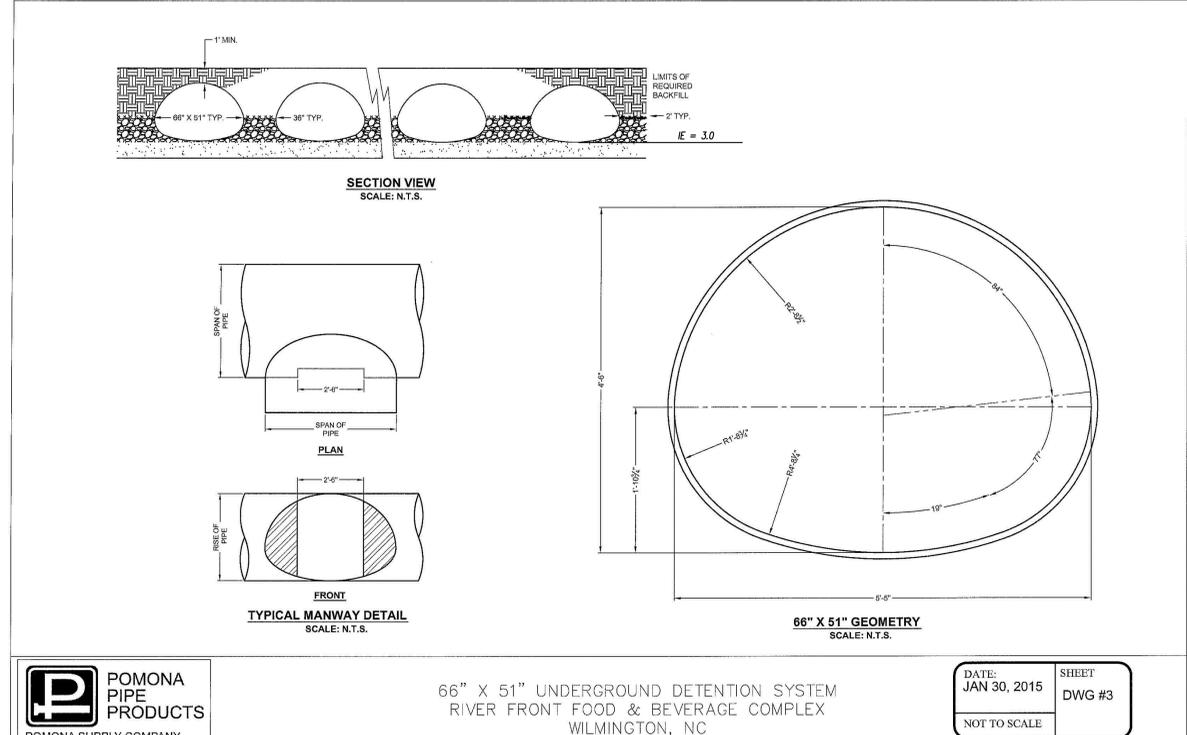
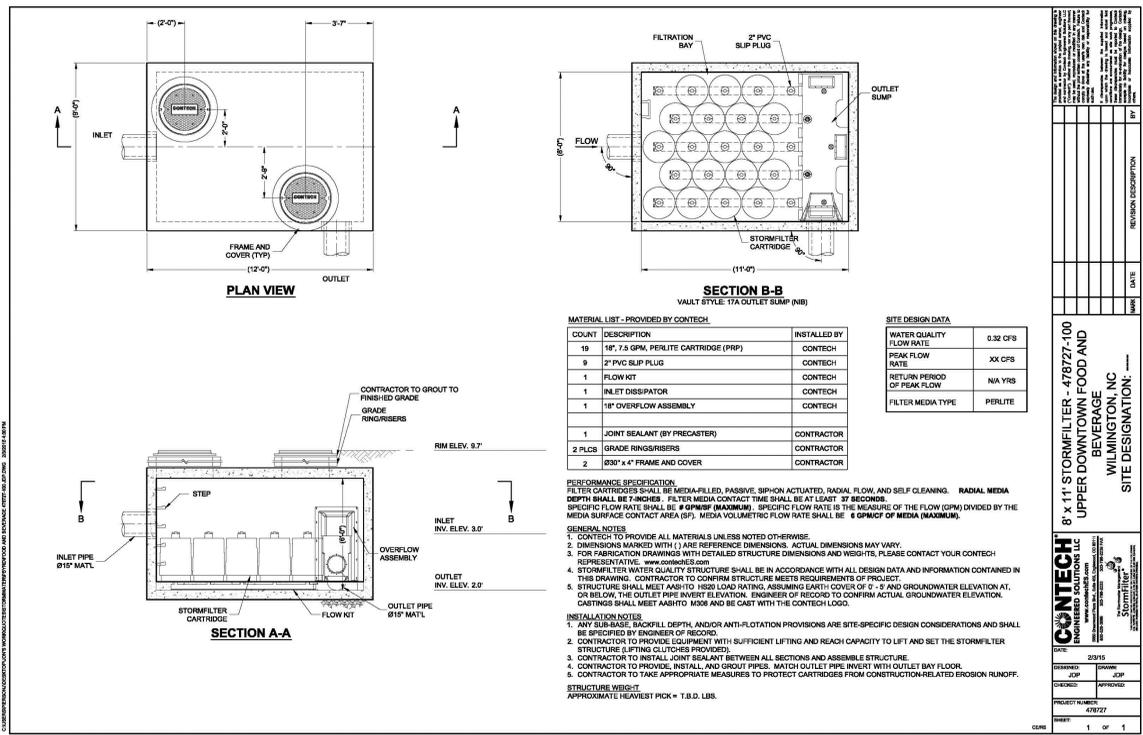
STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan
Name _____ Date _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____

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



SLOTTED DRAIN
TRAPEZOIDAL GRATE
DRAWING # 103381D
DATE 9-26-14
SCALE 1/8" = 1'-0"



66" X 51" UNDERGROUND DETENTION SYSTEM
RIVER FRONT FOOD & BEVERAGE COMPLEX
WILMINGTON, NC

DATE: JAN 30, 2015
SHEET DWG #3
NOT TO SCALE

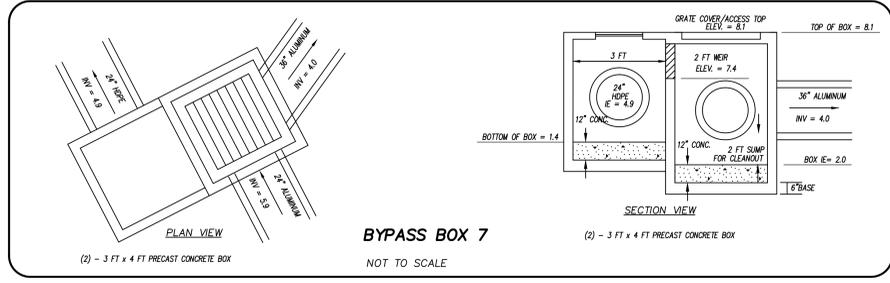
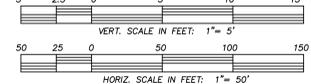
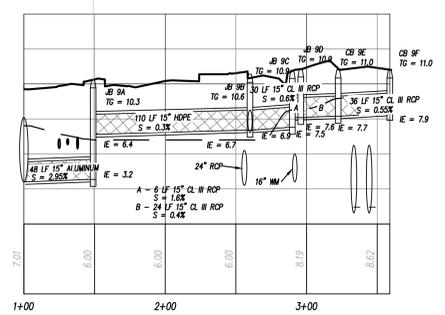
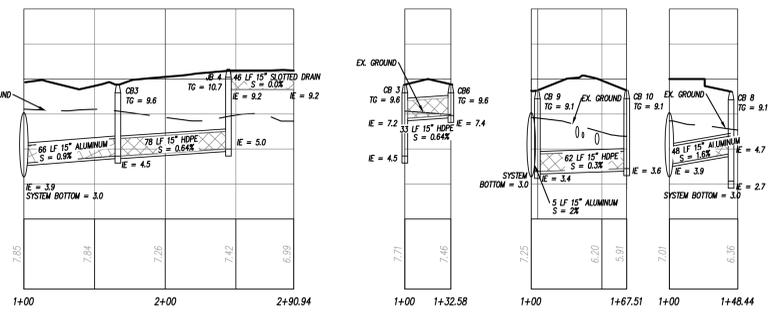
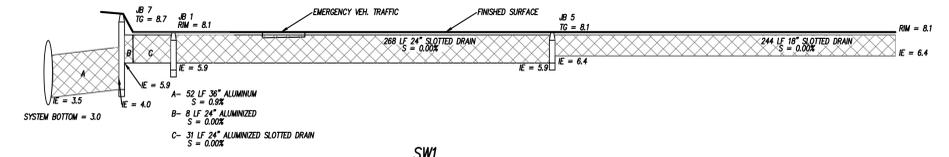
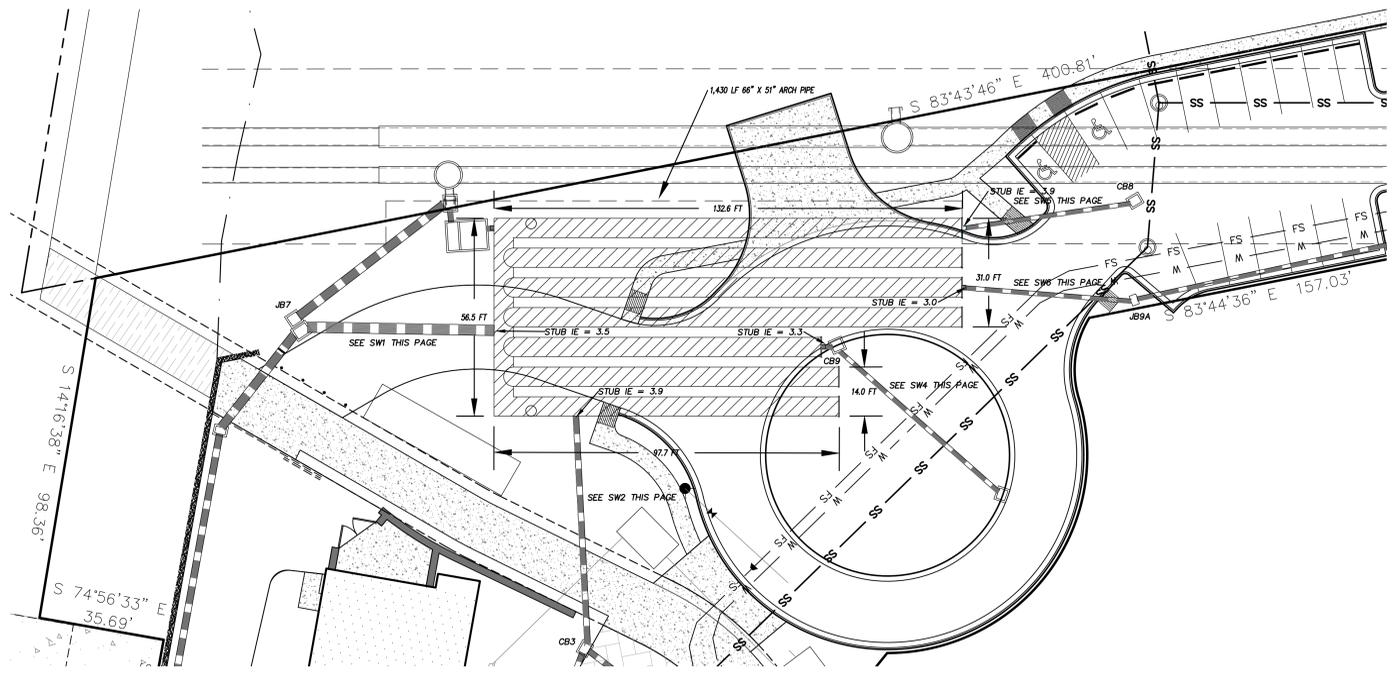


119 Brookstown Ave. Suite 100
Winston-Salem, NC 27101
p. 336.724.1503
www.cjmw.com



LICENSE # C-2710
COASTAL SITE DESIGN, PC
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL
P.O. Box 4041
Wilmington, NC 28406
(910) 791-4441

PERMIT SET



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APPROVED
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DATE PERMIT #
SIGNED

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

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- revisions
1. REVISED SF DETAIL
 2. REVISED SF DETAIL 8-29-14
 3. ADDED DEV. NOTE: 11-6-14
 4. REVISED SW & SW2 BYPASS BOX: 12-9-14
 5. SUBMITTED TO CITY FOR CONST. RELEASE 1-13-15
 6. REVISED WATER, SEWER, SD UTILITIES 2-4-15
 7. REVISED SD PROFILE 2-9-15

RIVERFRONT
FOOD & BEVERAGE
COMPLEX

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CIVIL - STORMWATER DETAILS

sheet

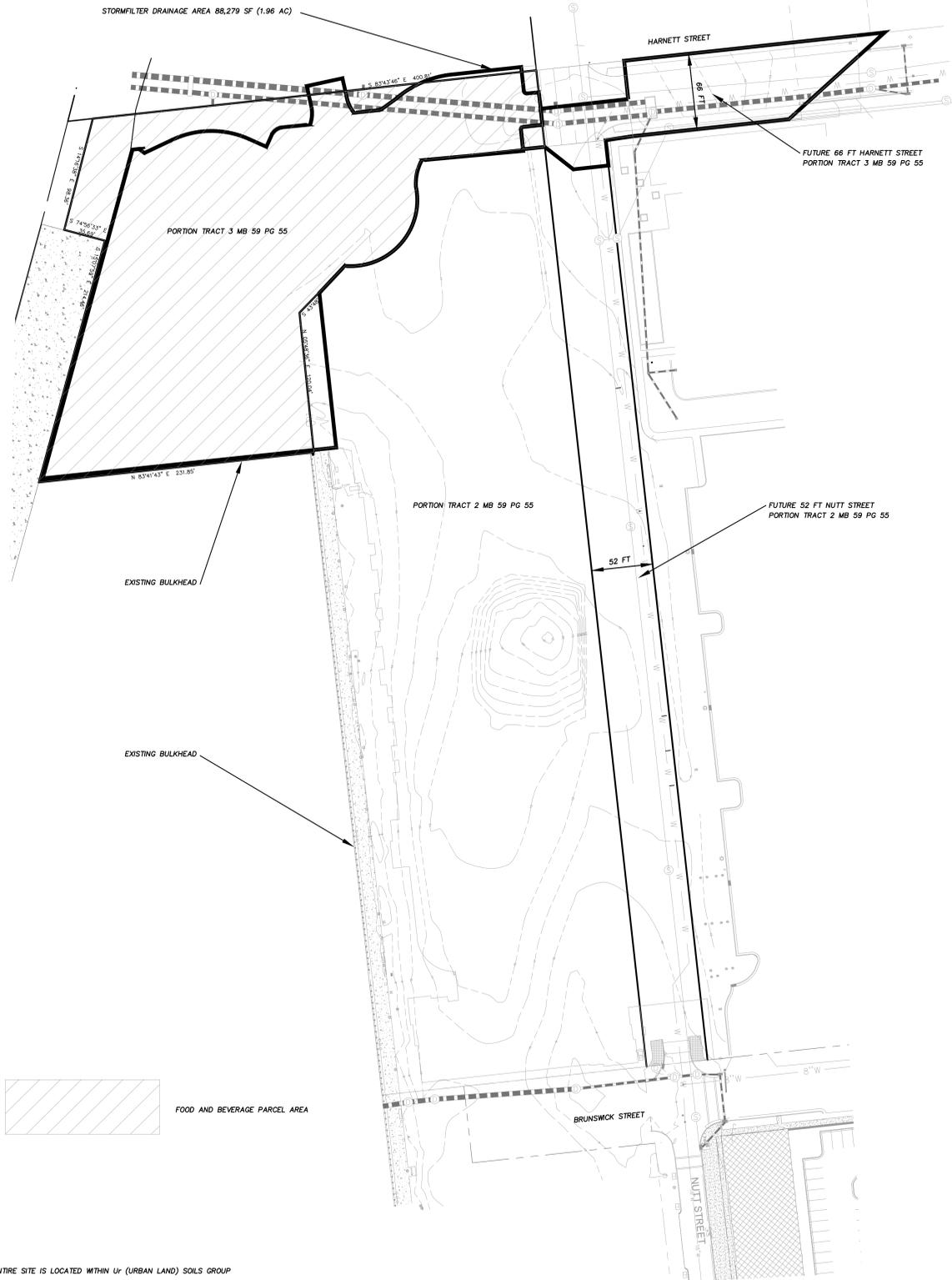
C.7

date: September 27, 2013
commission: 12-0050
drawn by: RLW

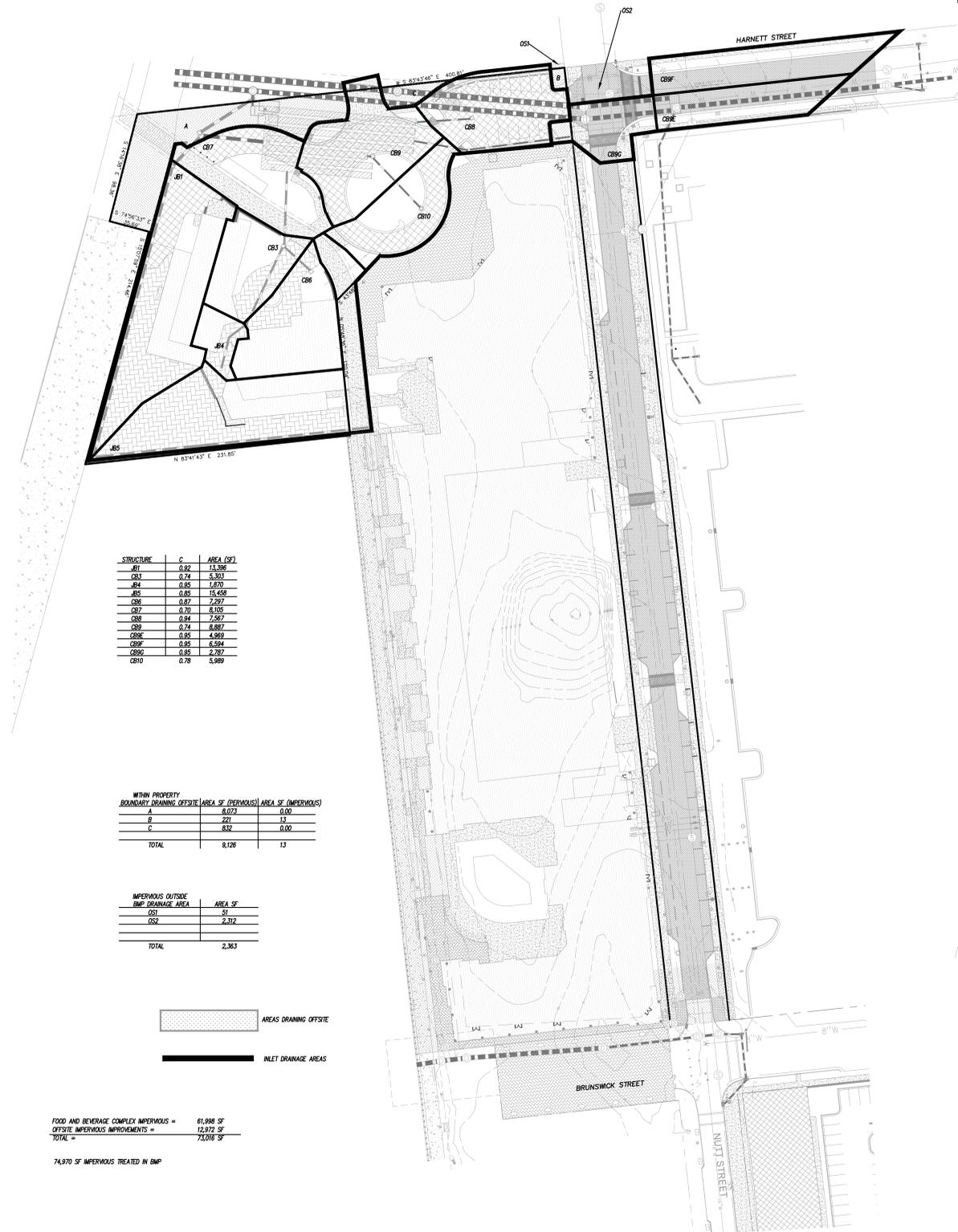
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PRE-DEVELOPMENT DRAINAGE AREA



STRUCTURE	C	AREA (SF)
CB1	0.92	13,396
CB3	0.74	5,303
CB4	0.85	1,870
CB5	0.85	15,458
CB6	0.87	2,297
CB7	0.70	8,105
CB8	0.94	2,567
CB9	0.74	8,867
CB9C	0.85	4,989
CB9F	0.85	6,594
CB9G	0.85	2,797
CB10	0.78	5,989

WITHIN PROPERTY	BOUNDARY DRAINING OFFSITE	AREA SF (PERVIOUS)	AREA SF (IMPERVIOUS)
A		8,073	0.00
B		221	13
C		832	0.00
TOTAL		9,126	13

IMPERVIOUS OUTSIDE BMP DRAINAGE AREA	AREA SF
OS1	91
OS2	2,332
TOTAL	2,363

FOOD AND BEVERAGE COMPLEX IMPERVIOUS = 61,998 SF
 OFFSITE IMPERVIOUS IMPROVEMENTS = 12,972 SF
 TOTAL = 74,970 SF

74,970 SF IMPERVIOUS TREATED IN BMP

CJMW
ARCHITECTURE

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- revisions
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 3. REVISED WATER SEWER, SD UTILITIES 2-4-15
 4. ADDED CB 9G 2-9-15

**RIVERFRONT
 FOOD & BEVERAGE
 COMPLEX**

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CIVIL - DRAINAGE AREAS

sheet

DA

date: September 27, 2013
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