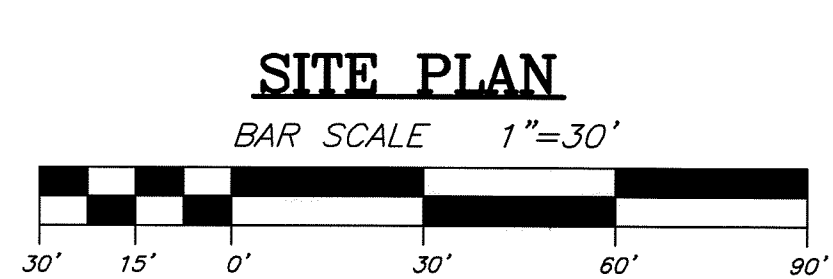


REVISIONS		
No.	Date	Description

- SITE INVENTORY NOTES:**
1. PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 2. APPLICANT NAME: MASONBORO INVESTMENT SERVICES, LLC
 3. SITE ADDRESS OF THE DEVELOPMENT: 3315 MASONBORO LOOP
 4. PROPERTY OWNER: MASONBORO INVESTMENT SERVICES, LLC
 5. DEVELOPER: MASONBORO INVESTMENT SERVICES, LLC
 6. PROPERTY BOUNDARY: SEE PLAN
TAX PARCEL INFORMATION: R06700-005-151-000
 7. PROPERTY ZONING: MX-MIXED USE
 8. ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 9. VICINITY MAP: SEE PLAN
 10. TOPOGRAPHY: SEE PLAN
 11. 100-YEAR FLOOD BOUNDARY: N/A
 12. EXISTING DITCHES, CREEKS AND STREAMS: SEE PLAN
 13. SOIL: CRAVEN
 14. CAMA AEC: N/A
 15. CAMA LAND CLASSIFICATION: URBAN
 16. CONSERVATION RESOURCES: NONE
ASSOCIATED SETBACKS: N/A
 17. HISTORIC OR ARCHAEOLOGICAL SITE: N/A
 18. CEMETERIES, BURIAL SITES/GROUNDS: N/A
 19. FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
 20. WETLANDS: NONE
 21. PROTECTED SPECIES OR HABITAT: N/A
 22. EXISTING OR PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN.

LEGEND

- PROPERTY BOUNDARY
- - - EXISTING CONTOUR
- 15.64 EXIST. SPOT ELEVATION
- X CURBING TO BE REMOVED



Approved Construction Plan

Name	Date

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT

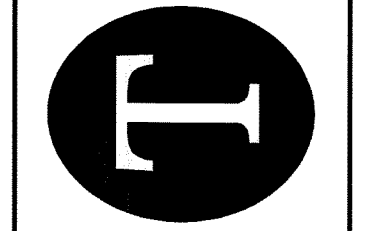
DATE _____ PERMIT # _____

SIGNED _____

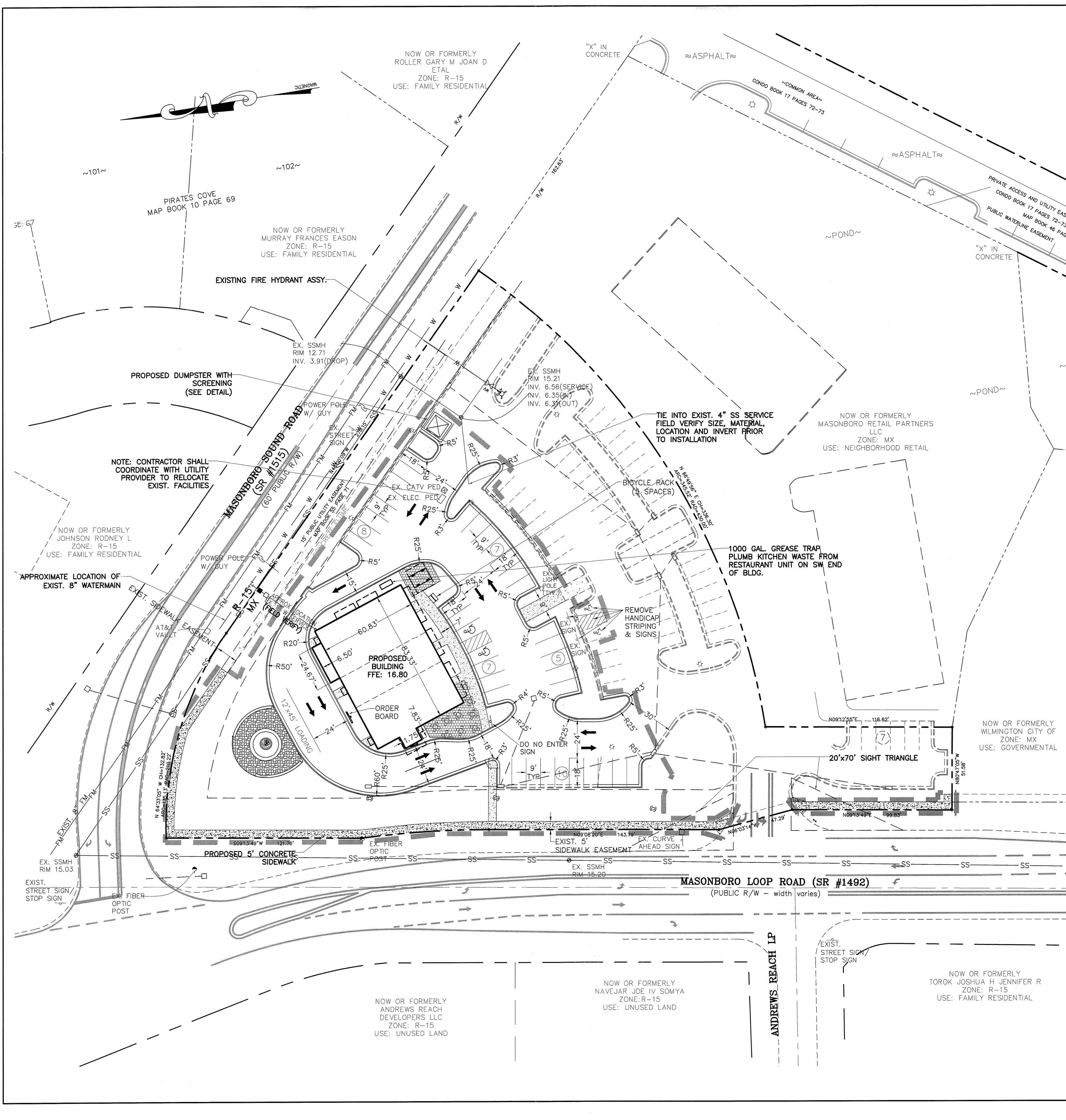
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

EXISTING CONDITIONS, SITE INVENTORY AND DEMOLITION PLAN
COURTYARD AT MASONBORO EXPANSION
WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
© 2015, TRIPP ENGINEERING, P.C.
 LICENSE NO. EC1577



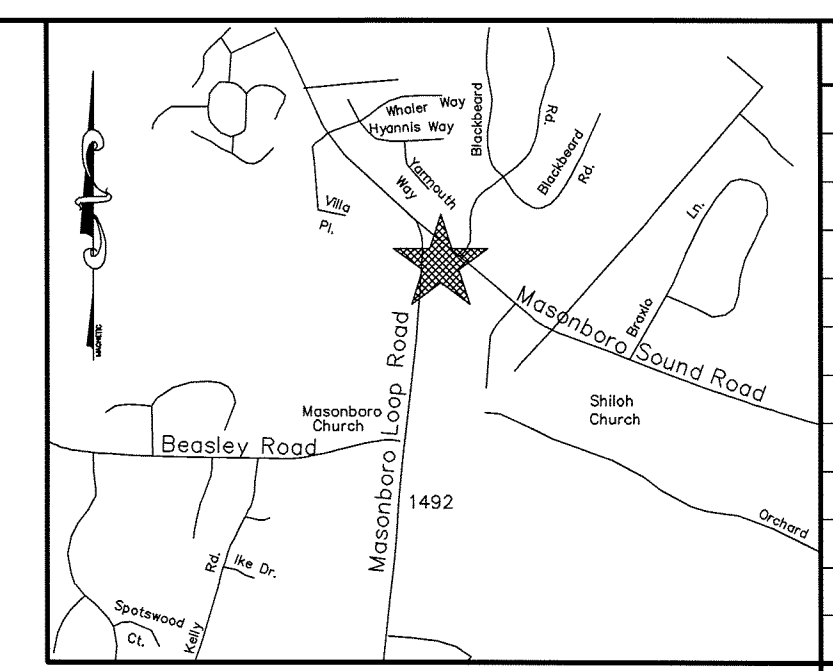
DATE 06-06-16
DESIGN PGT
DRAWN MLV



- NOTES:**
- ZONING**
- 1) TOPOGRAPHY AND TREE SURVEY COMPLETED BY MICHAEL UNDERWOOD AND ASSOCIATES, PA.
 - 2) PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY.
 - 3) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 - 4) EXISTING EASEMENTS AS SHOWN
 - 5) CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 - 6) 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.
 - 7) BUILDING CONSTRUCTION TYPE 5.
- SOLID WASTE**
- 1) SITE TO USE ON-SITE DUMPSTER.
- TRAFFIC**
- 1) ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - 2) 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.
 - 3) CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNALS FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
 - 4) CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
 - 5) ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - 6) CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
 - 7) ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - 8) NO ROWS TO BE CLOSED.
 - 9) NO STREETS PROPOSED.
 - 10) OFF SITE PARKING PROPOSED AS SHOWN.
 - 11) DRIVEWAYS TO MEET CITY STANDARDS.
 - 12) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - 13) STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
 - 14) TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- LANDSCAPING**
- 1) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
 - 2) NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.
 - 3) PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
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 - 5) 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 INSTRUCTIONS ON TREE PROTECTION METHODS.
 - 6) NO EXIST. TREES LOCATED WITHIN PROJECT LIMITS.
- CFPUA**
- 1) WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
 - 2) PROJECT SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
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 - 4) ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA'S CONNECTION CONTROL REGULATION. CALL 332-6419 FOR INFORMATION.
 - 5) ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES FOR USCFOCHR OR ASSE.
 - 6) PUBLIC WATER AND SEWER EXISTING.
 - 7) CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING OR GRADING.
 - 8) ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
 - 9) CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- DRAINAGE**
- 1) SHEET FLOW TO EXISTING AND PROPOSED CURB INLETS TO PERMITTED OFFSITE STORMWATER FACILITY.

- LEGEND**
- PROPERTY BOUNDARY

SITE PLAN
BAR SCALE 1"=30'



VICINITY MAP
NO SCALE

SITE DATA:

PROPERTY OWNER	MASONBORO CORNER MARKET PTNRS
PROJECT ADDRESS	3315 MASONBORO LOOP RD
PI# NUMBER	R06700-005-151-000
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.	MX
ZONING DISTRICT	MX
DISTURBED AREA	1.5 Ac.
SETBACKS REQUIRED	FRONT: 20' REAR: 20' CORNER: 20'
PROPOSED BUILDING SETBACKS	FRONT: 53' REAR: 178' CORNER: 45'
TRACT AREA	91,636 SF (2.1 AC)
BUILDING USE	RETAIL
EXISTING BUILDING AREA	0 SF
PROPOSED BUILDING AREA (GROSS)	5,320 SF
NUMBER OF BUILDINGS	1
NUMBER OF UNITS	3
BUILDING HEIGHT	19'
NUMBER OF STORIES	1
SF PER FLOOR (GROSS)	5,320 SF
EXISTING IMPERVIOUS AREAS:	
EXISTING BUILDING	0 SF
EXISTING ASPHALT AND CURB	28,600 SF
EXISTING CONCRETE	885 SF
EXISTING GRAVEL	0 SF
EXISTING IMPERVIOUS AREA	29,285 SF (32%)
PROPOSED IMPERVIOUS AREAS:	
PROPOSED BUILDING FOOTPRINT	5,320 SF
PROPOSED ASPHALT + CURB	21,810 SF
PROPOSED CONCRETE	3,245 SF
PROPOSED IMPERVIOUS AREA	30,175 SF (33%)
EXISTING IMPERVIOUS (TO REMAIN)	27,885 SF
PROPOSED+EXISTING IMPERVIOUS AREA	58,060 SF (63.4%)
PARKING REQUIRED:	
RETAIL	
1 SPACE PER 400 SF MIN.	
1 SPACE PER 200 SF MAX.	
3,295/400=8 MIN. 3,295/200=16 MAX.	
RESTAURANT (MINUS KITCHEN AND RESTROOMS)	
1 SPACE PER 80 SF MIN.	
1 SPACE PER 65 SF MAX.	
850/80=11 MIN. 850/65=13 MAX.	
PARKING REQUIRED:	19-29
PARKING PROPOSED:	37
CAMA LAND USE: WATERSHED RESOURCE PROTECTION AREA	
PUBLIC WATER AND SEWER BY CFPUA	
EXISTING WATER FLOW:	0 GPD
EXISTING SEWER FLOW:	0 GPD
PROPOSED WATER FLOW:	
(120 GPD/1,000 SF x 5,120 x 110%)	676 GPD
PROPOSED SEWER FLOW:	
(120 GPD/1,000 SF x 5,120)	615 GPD
HANDICAP SPOTS REQUIRED	PROPOSED
(1-25 SPOTS=1 HANDICAP SPOT)	
37 SPOTS/25=2	2 HANDICAP SPOTS
BICYCLE PARKING REQUIRED (48 SPACES)	5 BICYCLE PARKS
BICYCLE PARKING PROPOSED	5 BICYCLE PARKS

REVISIONS

No.	Date	Description	By

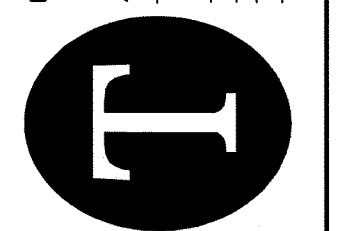
SITE AND UTILITY PLAN

COURTYARD AT MASONBORO EXPANSION

WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.

419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
© LICENSE NO. 32-127



Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN
APPROVED

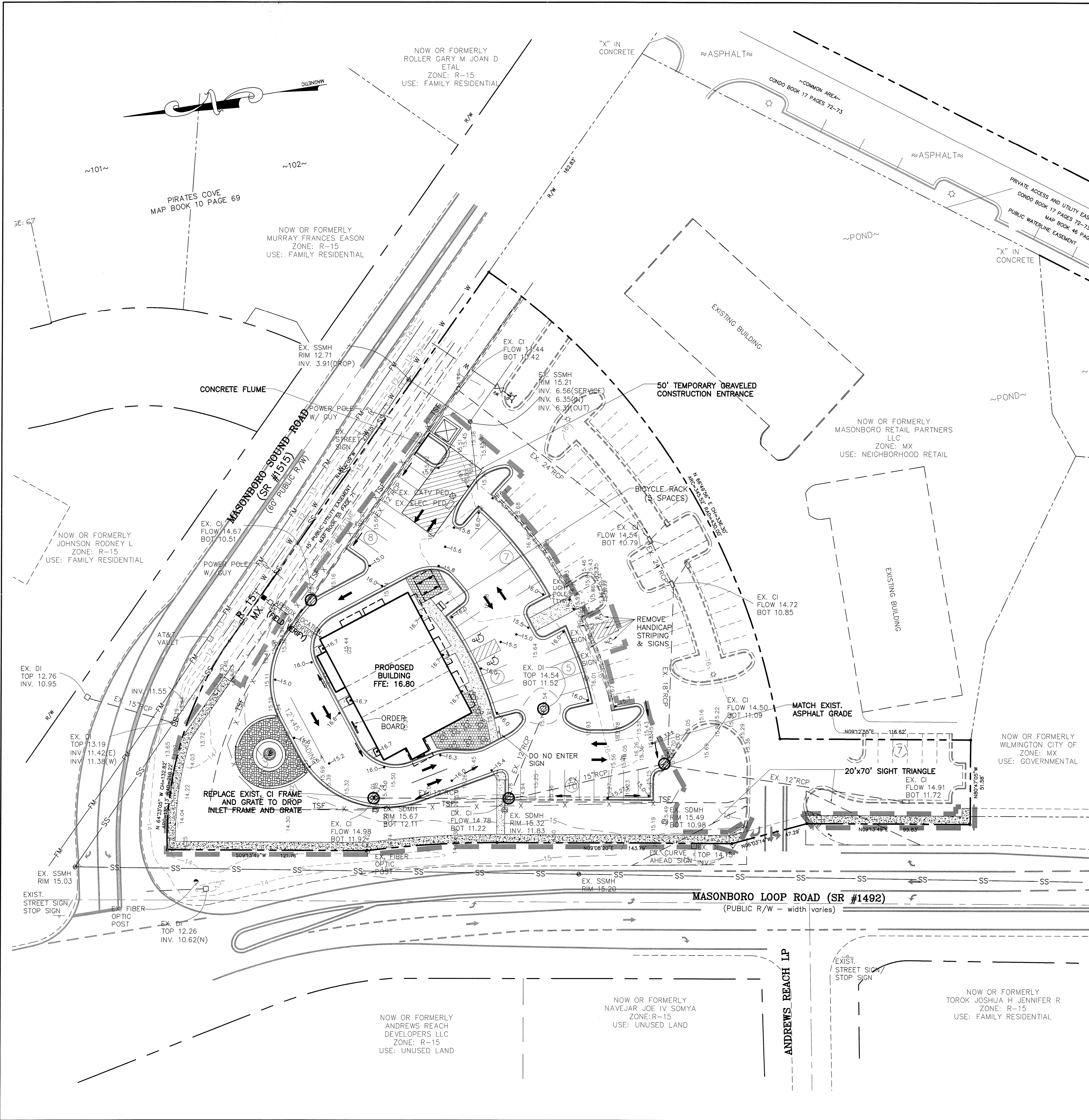
CITY OF WILMINGTON
ENGINEERING DEPARTMENT

DATE _____ PERMIT # _____

SIGNED _____

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

DATE	06-06-16
DESIGN	PGT
DRAWN	MLV
C2	
SHEET 2 OF 4	
15002	



NOTES:

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DRAINAGE

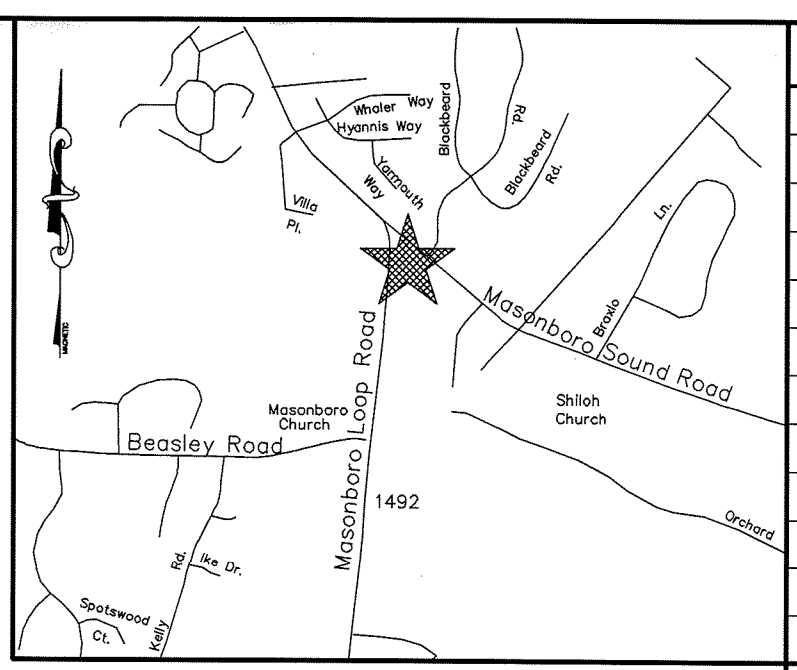
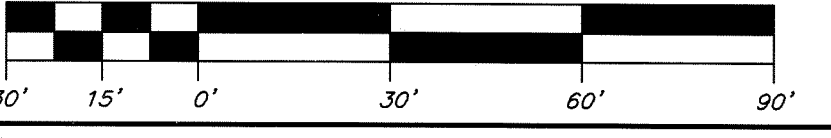
- 1) SHEET FLOW TO EXISTING AND PROPOSED CURB INLETS TO PERMITTED OFFSITE STORMWATER FACILITY.

LEGEND

- 15.64' - EXISTING CONTOUR
- 15.64' - EXIST. SPOT ELEVATION
- - LIMITS OF DISTURBANCE
- x - TSF
- - TEMPORARY SILT FENCE
- 13.3' - PROPOSED SPOT ELEVATION
- - INLET PROTECTION

SITE PLAN

BAR SCALE 1"=30'



VICINITY MAP
NO SCALE

SITE DATA:

PROPERTY OWNER: MASONBORO CORNER MARKET PTNRS
PROJECT ADDRESS: 3315 MASONBORO LOOP RD
PIN NUMBER: R06700-005-151-000

AREA NOT IN A FEMA 100-YEAR FLOOD ZONE. MX
ZONING DISTRICT: MX
DISTURBED AREA: 1.5 Ac.
SETBACKS REQUIRED: FRONT: 20', REAR: 20', CORNER: 20'
PROPOSED BUILDING SETBACKS: FRONT: 53', REAR: 178', CORNER: 45'

TRACT AREA: 91,636 SF (2.1 AC)
BUILDING USE: RETAIL
EXISTING BUILDING AREA: 0 SF
PROPOSED BUILDING AREA (GROSS): 5,320 SF
BUILDING LOT COVERAGE (5,120/91,636): 5.8%
NUMBER OF BUILDINGS: 1
NUMBER OF UNITS: 3
BUILDING HEIGHT: 19'
NUMBER OF STORIES: 1
SF PER FLOOR (GROSS): 5,320 SF

EXISTING IMPERVIOUS AREAS:
EXISTING BUILDING: 0 SF
EXISTING ASPHALT AND CURB: 28,600 SF
EXISTING CONCRETE: 685 SF
EXISTING GRAVEL: 0 SF
EXISTING IMPERVIOUS AREA: 29,285 SF (32%)

PROPOSED IMPERVIOUS AREAS:
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PROPOSED CONCRETE: 3,245 SF
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1 SPACE PER 200 SF MAX.
3,295/400=8 MIN. 3,295/200=16 MAX.
RESTAURANT (MINUS KITCHEN AND RESTROOMS):
1 SPACE PER 65 SF MIN.
1 SPACE PER 65 SF MAX.
850/80=11 MIN. 850/65=13 MAX.

PARKING REQUIRED: 19-29
PARKING PROPOSED: 37
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PUBLIC WATER AND SEWER BY CFPUA
EXISTING WATER FLOW: 0 GPD
EXISTING SEWER FLOW: 0 GPD
PROPOSED WATER FLOW: 676 GPD
(120 GPD/1,000 SF x 5,120 x 110%)
PROPOSED SEWER FLOW: 615 GPD
(120 GPD/1,000 SF x 5,120)

HANDICAP SPOTS REQUIRED (1-25 SPOTS= 1 HANDICAP SPOT): 37 SPOTS/25=2
2 HANDICAP SPOTS
BICYCLE PARKING REQUIRED (48 SPACES): 5 BICYCLE PARKS
BICYCLE PARKING PROPOSED: 5 BICYCLE PARKS

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT

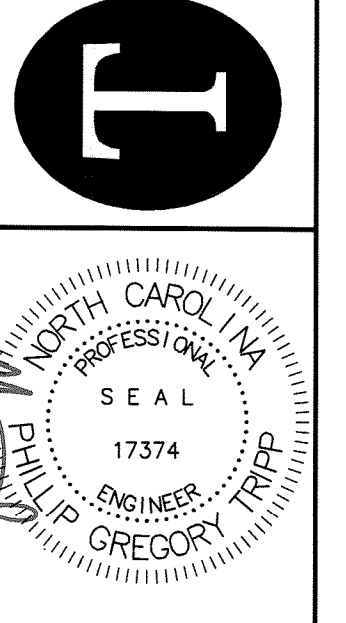
DATE: _____ PERMIT # _____
SIGNED: _____

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REVISIONS		
No./Date	Description	By

GRADING, DRAINAGE, EROSION CONTROL AND STORMWATER MANAGEMENT COURTYARD AT MASONBORO EXPANSION WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-6631
© 2015 Tripp Engineering, P.C.
LIC# 00000000



DATE: 12-22-15
DESIGN: PGT
DRAWN: MLV

