

**EARTHWORK SPECIFICATIONS:**

- CLEARING AND GRUBBING**  
CLEARING AND GRUBBING SHALL CONSIST OF CLEARING THE SURFACE OF THE GROUND OF THE DESIGNATED AREAS OF ALL TREES, LOGS, SNAGS, BRUSH, UNDERGROWTH, HEAVY GROWTH OF GRASS, WEEDS, FENCE STRUCTURES, DEBRIS AND RUBBISH OF ANY NATURE, NATURAL OBSTRUCTIONS SUCH AS OBJECTIONAL SOIL MATERIAL UNSATISFACTORY FOR FOUNDATIONS, IT SHALL ALSO CONSIST OF GRUBBING OF STUMPS, ROOTS FOUNDATIONS AND DISPOSAL OF ALL SUCH MATERIAL. ALL HOLES REMAINING AFTER THE GRUBBING OPERATION IN EMBANKMENT AREAS AND IN EXCAVATION AREAS LESS THAN TWO (2) FEET IN DEPTH, SHALL HAVE SIDES BROKEN DOWN AND LEVELLED IF NECESSARY TO FLATTEN OUT SLOPES, REFILLED WITH ACCEPTABLE MATERIAL THAT IS PROPERLY COMPACTED IN LAYERS BY TAMPERS, ROLLERS OR CONSTRUCTION EQUIPMENT.  
BURNING ON SITE IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE LOCAL GOVERNING AUTHORITIES HAVING JURISDICTION.
- EXISTING TREES AND AREA OUTSIDE OF GRADING LIMITS LINE**  
TREES AND VEGETATION TO BE SAVED SHALL BE PROTECTED FROM DAMAGE BY A FENCE BARRICADE PRIOR TO, OR DURING, CLEARING OPERATIONS. TREES TO BE SAVED SHALL BE DESIGNATED BY THE OWNER. NO TREES ARE TO BE REMOVED FROM THE AREA OUTSIDE THE LIMITS OF GRADING OR FROM SPECIFICALLY DESIGNATED AREAS WITHIN THE CONSTRUCTION AREAS. IF, IN THE OPINION OF THE ENGINEER, A CONTRACTOR DAMAGES A TREE NOT TO BE REMOVED, THE CONTRACTOR WILL BE FINED A PREDETERMINED AMOUNT FOR EACH DAMAGED TREE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS ASSOCIATED IN REMOVING THE DAMAGED TREES FROM THE SITE.
- FILL**  
ALL VEGETATION SUCH AS ROOTS, BRUSH, HEAVY GROWTH OF GRASS, TOPSOIL, ALL DECAYED VEGETABLE MATTER, RUBBISH AND OTHER UNSUITABLE MATERIAL WITHIN THE AREA UPON WHICH FILL IS TO BE PLACED SHALL BE STRIPPED OR BE OTHERWISE REMOVED BEFORE THE FILL OPERATION IS STARTED. IN NO CASE SHALL UNSUITABLE MATERIAL REMAIN IN OR UNDER THE FILL AREA. SLOPED GROUND SURFACE STEEPER THAN ONE VERTICAL TO FOUR HORIZONTAL, ON WHICH FILL IS TO BE PLACED, SHALL BE PLACED, STEPPED OR BENCHED IN SUCH A MANNER THAT THE FILL TO BE PLACED SHALL BE 97 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY ACCORDING TO STANDARD PROCTOR (ASTM D 1557, ASTM D-698). MOISTURE CONTENT SHALL BE WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. PROOF ROLL THE AREAS TO BE FILLED OR ON WHICH STRUCTURES ARE TO BE PLACED. A LOADED DUMP TRUCK OR OTHER RUBBER Tired EQUIPMENT SHALL BE USED PROOF ROLLING. OVERLAPPING PASSES OF A VEHICLE SHOULD BE MADE ACROSS THE SITE IN ONE DIRECTION AND THEN PERPENDICULAR TO THE ORIGINAL DIRECTION OF ROLLING.  
ANY YIELDING, PUMPING OR SOFT AREAS SHOULD BE CUT OUT AND REPLACED WITH FILL COMPACTED AS DESCRIBED HEREIN.  
THE PROPOSED FILL SHOULD BE LIMITED TO SOILS CLASSIFIED IN ACCORDANCE WITH ASTM D-2487 AS GM, GC, SW, SM, SC, ML AND CL SOIL CLASSIFIED AS PT, OH, OL, CH AND MH ARE NOT SATISFACTORY AS COMPACTED FILL.  
FILLS AND EMBANKMENTS SHALL BE CONSTRUCTED AT THE LOCATIONS AND TO THE LINES AND GRADES INDICATED ON CONSTRUCTION PLANS. THE SLOPE SHALL NOT EXCEED 2 FOOT HORIZONTAL TO 1 FOOT VERTICAL (2 FOOT HORIZONTAL TO 1 FOOT VERTICAL IN THE PUBLIC RIGHT OF WAY). THE COMPLETED FILL SHALL CORRESPOND TO THE SHAPE OF THE TYPICAL SECTIONS INDICATED ON THE CONSTRUCTION PLANS. MATERIAL REMOVED FROM THE EXCAVATION SHALL BE USED IN FORMING THE FILL. FILL MATERIAL SHALL BE REASONABLY FREE FROM ROOTS, OTHER ORGANIC MATERIAL, TRASH AND STONES HAVING MAXIMUM DIMENSIONS GREATER THAN 6 INCHES (4 INCHES IN TRENCHES FOR UTILITIES). NO FROZEN MATERIAL WILL BE PERMITTED IN THE FILL. STONES HAVING A MAXIMUM DIMENSION OF 4 INCHES WILL NOT BE PERMITTED IN THE UPPER SIX INCHES OF FILL OR EMBANKMENT OR UTILITY TRENCH. THE MATERIAL SHALL BE PLACED IN SUCCESSIVE HORIZONTAL LAYERS NOT MORE THAN 8 INCHES THICK, UNLESS OTHERWISE NOTED, IN LOOSE DEPTH FOR THE WIDTH OF THE CROSS SECTION AND SHALL BE COMPACTED TO AT LEAST 97 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY ACCORDING TO STANDARD PROCTOR (ASTM D-698, AASHTO T-99). MOISTURE SHALL BE WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT. THE TOP 12 INCHES OF THE PAVING, PARKING AND/OR ROADWAY SUB-GRADE SHALL BE COMPACTED TO 97 PERCENT OF THE MAXIMUM DRY DENSITY (STANDARD PROCTOR). EACH LIFT SHALL BE ROLLED WITH A VIBRATORY ROLLER, A SHEEPSFOOT ROLLER, OR A LOADED RUBBER Tired DUMP TRUCK, SCRAPER OR LOADER. IF THE SOIL IS TOO DRY, A WATER TRUCK WITH SPREADER BAR OR SPRAY HOSE SHALL BE USED TO BRING THE SOIL TO THE PROPER MOISTURE RANGE. THE WATER SHALL BE THOROUGHLY AND PROPERLY MIXED WITH THE SOIL PRIOR TO COMPACTION.  
STORM DRAIN PIPES SHALL BE PLACED ON FIRM BOTTOM AND HAND TAMPED TO SAFE UP THE PIPE. A CUSHION OF SOIL SHALL BE TAMPED ABOVE THE CROWN OF THE PIPE IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS SO THAT THE HEAVIER COMPACTION EQUIPMENT CAN THEN BE USED TO BRING THE SOIL TO A DENSITY AS DESCRIBED ABOVE FOR FILL AREAS.  
IF SOILS INVESTIGATION REPORT IS PROVIDED, THEN FOLLOW THE RECOMMENDATIONS OF THE REPORT IF THEY EXCEED THE RECOMMENDATIONS OF THESE SPECIFICATIONS.
- TOPSOIL**  
UNLESS OTHERWISE SPECIFIED, AREAS DESIGNATED FOR GRADING OPERATIONS THAT CONTAIN A BLANKET OF TOPSOIL SHALL BE STRIPPED AND PLACED IN CONVENIENT STOCKPILES FOR LATER USE AS A TOPSOIL BLANKET ON THE NEW GRADE AREAS SPECIFIED HEREIN, OR AS DESIGNATED. TOPSOIL SHALL BE STRIPPED FROM ALL AREAS DESIGNATED TO RECEIVE FILL. THE STRIPPING OF MATERIAL FOR TOPSOIL SHALL BE CAREFULLY DETERMINED AND ONLY THE QUANTITY REQUIRED SHALL BE STOCKPILED. MATERIAL STOCKPILED SHALL BE STORED IN A SATISFACTORY MANNER TO AFFORD PROPER DRAINAGE. WHEN GRADING OPERATIONS PERMIT, INSTEAD OF STOCKPILING, THE TOPSOIL SHALL BE HALLED AND SPREAD DIRECTLY ON THE AREAS DESIGNATED TO RECEIVE TOPSOIL.
- ROCK EXCAVATION**  
IF ROCK IS ENCOUNTERED, CLEAR AWAY EARTH TO EXPOSE MATERIAL. NOTIFY OWNER AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO EXCAVATION. REMOVE ROCK TO A DEPTH OF 6 INCHES BELOW AND 8 INCHES ON EACH SIDE OF PIPES IN TRENCHES. A MEASUREMENT OF EXTENT OF ROCK TO BE REMOVED SHALL BE MADE. ROCK EXCAVATION SHALL BE PAID FOR IN ACCORDANCE WITH AGREEMENT WITH THE OWNER.

**CONSTRUCTION NOTES:**

- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE PROJECT, READY TO USE, AND ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND INSTALLED. ANY DISCREPANCY SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR HIS REPRESENTATIVE.
- NOTIFY THE INSPECTOR OF THE LOCAL GOVERNING AUTHORITY 24 HOURS BEFORE EVERY PHASE OF CONSTRUCTION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR, AT HIS EXPENSE, UNLESS ALREADY OBTAINED BY THE OWNER.
- THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING, AND ALL OTHER UTILITIES.
- THE EXISTING UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE DRAWINGS. THE UTILITIES SHOWN ARE THOSE LOCATED BY THE SURVEYOR OF RECORD. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE UTILITIES SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR CONSENT OF THE ENGINEER AND THE MUNICIPALITY MAY CAUSE FOR THE WORK TO BE UNACCEPTABLE.
- ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- THE CONTRACTOR SHALL PROVIDE SHEETING AND SHORING FOR ALL TRENCH CONSTRUCTION IN ACCORDANCE WITH OSHA GUIDELINES.
- ALL PIPE LENGTHS SHOWN ARE TO THE CENTERLINE OF THE STRUCTURES UNLESS SPECIFICALLY NOTED.
- PIPES (STORM AND SANITARY SEWER) SHALL BE LAID ON SMOOTH, CONTINUOUS GRADES WITH NO VISIBLE BENDS AT THE JOINTS.
- BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUM REQUIRED FOR RELATIVELY DRY STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES TO PROVIDE SUCH ADDITIONAL BEDDING AS REQUIRED TO PROPERLY CONSTRUCT WORK.
- ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE METAL RING AND COVER FOR ACCESS.
- ALL ANGLES SHOWN ARE 90 DEGREES UNLESS SHOWN OTHERWISE.
- ALL GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY DIMENSIONS, GRADES, AND EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.
- CONCRETE CURBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON PLANS. MATERIALS, EQUIPMENT, METHODS OF CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO STATE D.O.T. STANDARD SPECIFICATIONS.
- ALL CONCRETE SHALL HAVE 3000 PSI COMPRESSIVE STRENGTH AFTER 28 DAYS, WITH A MAXIMUM SLUMP OF FOUR (4) INCHES, UNLESS SPECIFIED OTHERWISE.
- ALL EXPOSED CONCRETE SHALL HAVE A FINE HAIR BROOMED FINISH.
- PARKING AND DRIVEWAY BASE COURSE AND ASPHALTIC CONCRETE SURFACE AND PRIME MATERIALS, EQUIPMENT, METHODS FOR CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO STATE D.O.T. STANDARD SPECIFICATIONS.
- CONTRACTOR TO FIELD VERIFY ALL STORM, SANITARY, WATER AND OTHER UTILITIES LOCATION AND INVERTS PRIOR TO INSTALLATION OF ANY UTILITIES. NOTIFY ENGINEER PRIOR TO PROCEEDING WITH ANY WORK IF DISCREPANCIES FOUND.
- CONTRACTOR SHALL USE CONCRETE THRUST BLOCKS FOR INSTALLATION OF WATER MAINS.
- ALL DIMENSIONS ARE MEASURED TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

**CITY OF WILMINGTON NOTES**

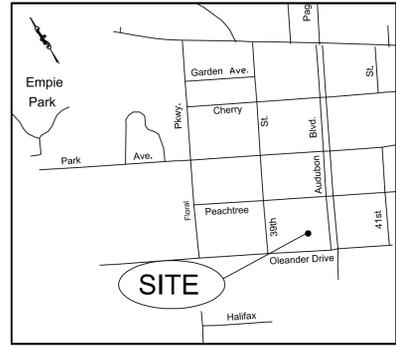
- Prior to any clearing, grading or construction activity, tree protection fencing shall be installed around protected trees or groves of trees. No construction workers, tools, materials, or vehicles are permitted within the tree protection fencing.
- Any trees and/or areas designated to be protected 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.
- 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.
- All pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards.
- 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.
- 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.
- Contact Traffic Engineering at 910-341-7888 to ensure that all traffic signal facilities and equipment are shown on the plan.
- Call Traffic Engineering at 910-341-7888 forty-eight (48) hours prior to any excavation in the right-of-way.
- Traffic Engineering must approve of pavement marking prior to actual striping.
- All parking stall markings and lane arrows within the parking areas shall be white.
- All traffic control signs and markings off the right-of-way are to be maintained by the property owner.
- Stop signs and street signs to remain in place during construction.
- Tactile warning mats will be installed on all wheelchair ramps.
- A utility cut permit is required for each open cut of a city street.
- Any broken or missing sidewalk panels will be replaced.
- Contact Karen Dixon at 910-341-7888 to discuss street lighting options.
- Water and sewer service shall meet Cape Fear Public Utility Authority (CFPUA) details and specifications.
- 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.
- 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.
- Any irrigation system supplied by CFPUA water shall comply with the CFPUA Cross Connection Control regulations. Call 910-343-3910 for information.
- Any irrigation system shall be equipped with a rain and freezer sensor.
- Any backflow prevention devices required by the CFPUA will need to be on the list of approved devices by USFCCOHR or ASSE.
- Contractor to field verify existing water and sewer service locations, sizes and materials prior to construction. Engineer to be notified of any conflicts.
- Contractor shall maintain all-weather access for emergency vehicles at all times during construction.
- 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.
- No obstructions are permitted in the space between thirty (30) inches and ten (10) feet above the ground within the triangular sight distance.
- Contact the North Carolina One Call Center at 1-800-632-4949 prior to doing any digging, clearing, or grading.

# SITE DEVELOPMENT PLANS OF

# ZAXBY'S OLEANDER

## FOR MB ONE CAPITAL, LLC

3913 OLEANDER DRIVE  
TAX PARCEL ID: R055 / 8-023-001-000  
CITY OF WILMINGTON  
NORTH CAROLINA  
NOVEMBER 15, 2013



LOCATION MAP  
SCALE: N.T.S.

**GENERAL NOTES:**  
**OWNER / DEVELOPER:**  
MB One Capital, LLC  
120 E Liberty St  
Savannah, Georgia 31401  
Contact: Rod McLeod  
Tel: (912) 656-0441  
**ENGINEER:**  
Carter Engineering Consultants, Inc.  
1551 Jennings Mill Rd., Bldg 500, Suite B  
Bogart, Georgia 30622  
Contact: Mark Campbell, P.E.  
Tel: (706) 559-7430  
mark@carterengineering.net

## SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS & DEMOLITION PLAN
3	SITE PLAN
4	UTILITY PLAN
5	GRADING & DRAINAGE PLAN
6	EROSION CONTROL PLAN
7	PIPE PROFILES
8	STANDARD DETAILS
9	STANDARD DETAILS
10	MENU BOARD DETAILS
11	ADA DETAILS
12	LANDSCAPE PLAN
13	OUTDOOR LIGHTING PLAN

## REVISION BLOCK

REV. NO.	DATE	DESCRIPTION
A	11/15/13	INITIAL SUBMITTAL
B	12/21/13	ADDRESS COMMENTS
C	1/3/14	ADDRESS COMMENTS



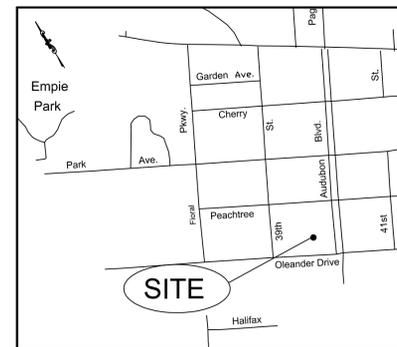
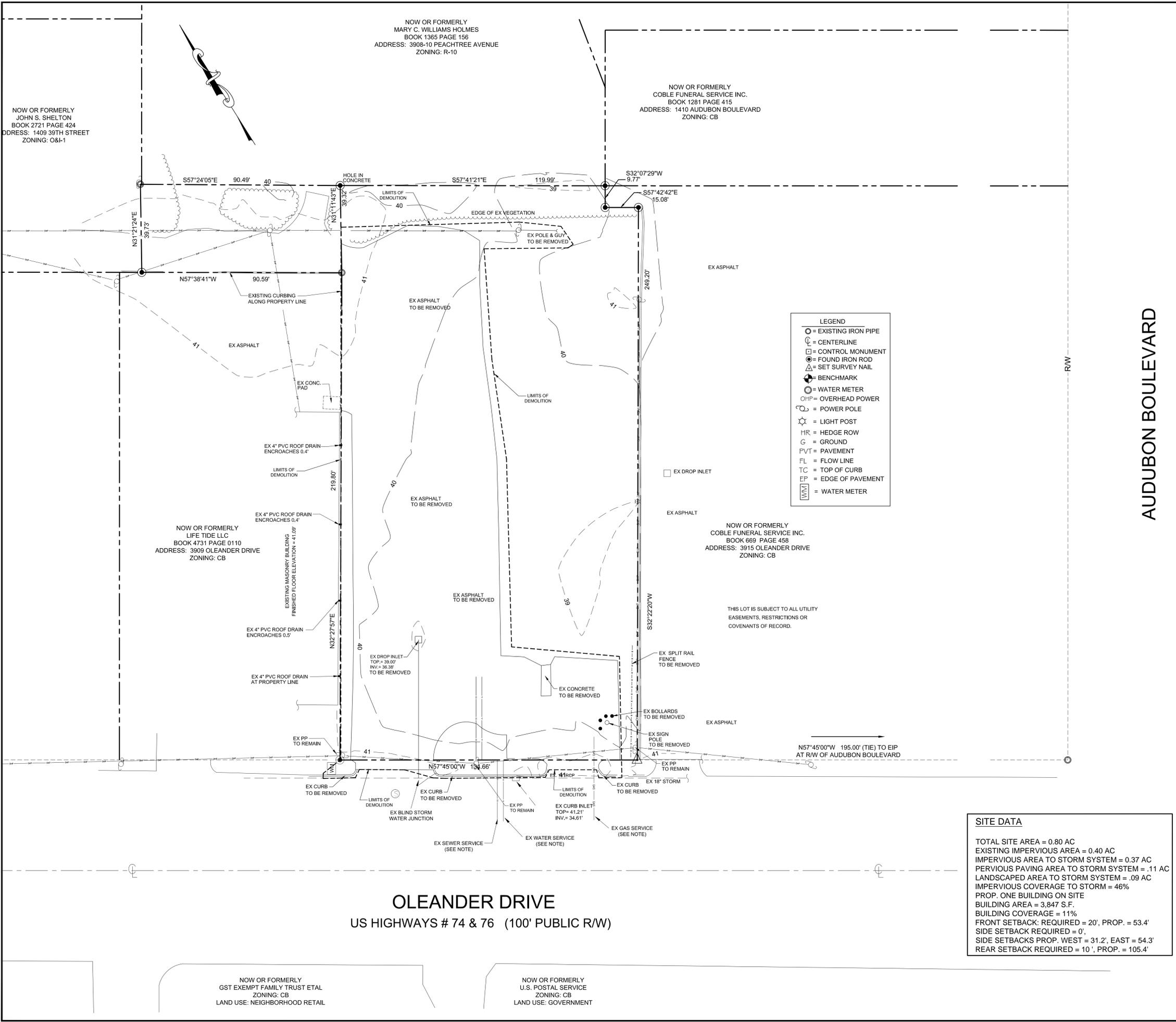
Carter Engineering Consultants, Inc.  
1551 Jennings Mill Rd  
Building 500, Suite B  
Bogart, GA 30622  
P: 706.559.7430  
F: 706.559.7435  
www.carterengineering.net



24-HOUR CONTACT: ROD MCLEOD (912) 656-0441

SITE DEVELOPMENT PLANS  
OF  
ZAXBY'S OLEANDER

MB ONE CAPITAL, LLC  
0.80 ACRES, ZONED: CB  
DISTURBED AREA: 0.78 ACRES



N.T.S.

**DEMOLITION NOTES:**

- THE LOCATIONS OF ALL EXISTING FACILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON SITE LOCATIONS OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, PAVEMENT AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.
- THE CONTRACTOR IS REQUIRED TO FAMILIARIZE HIMSELF WITH THE STRUCTURES TO BE DEMOLISHED. A BRIEF DESCRIPTION OF THE STRUCTURES IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE DRAWINGS INDICATE THE SCOPE OF DEMOLITION WHERE DEMOLITION IS REQUIRED.
- DEMOLITION AND REMOVAL OF EXISTING ON SITE ASPHALT, CONCRETE PAVING, AND CURBING TO DEMOLITION LINE SHOWN.
- REMOVAL OF EXISTING ON SITE ABOVE-GROUND AND UNDERGROUND UTILITIES, INCLUDING REMOVAL AND/OR PLUGGING OF EXISTING UTILITIES AS SHOWN ON PLANS.
- PRIOR TO REMOVAL OF ANY UNDERGROUND SEWAGE TANK AND COMPONENTS FROM SERVICE, CONTRACTOR MUST COMPLETELY DRAIN THE SYSTEMS TO AN APPROVED SANITATION TANK FOR DISPOSAL AT AN APPROVED LOCATION AND IN ACCORDANCE WITH LOCAL & STATE REQUIREMENTS.
- ALL ON SITE UNDERGROUND STRUCTURES AND PIPING MUST BE COMPLETELY REMOVED AND OVER-EXCAVATED BY A MINIMUM OF 12" BENEATH THE STRUCTURES. CONTRACTOR SHALL USE APPROVED FILLING MATERIAL FOR FILLING THESE AREAS. FILL SHALL BE OF CLEAN, FINE SAND ASHTO CLASS A-3 AND SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8" IN THICKNESS AND COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
- ALL EXISTING STRUCTURES, PAVEMENTS, SLABS, FOUNDATIONS, STEPS AND OTHER EXISTING FEATURES INDICATED ON THE DRAWINGS TO BE REMOVED SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR. REMOVE NO STRUCTURE SUBSTANTIALLY AS A WHOLE. DEMOLISH COMPLETELY ON THE PREMISES.
- ALL EXISTING SEWERS, PIPING, UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.
- ELECTRICAL, TELEPHONE, CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY PRIOR TO COMMENCEMENT OF CONSTRUCTION. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS A NECESSITY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
- PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE USE OF AND ACCESS TO ADJACENT BUILDINGS, STREETS AND SIDEWALKS SHALL NOT BE BLOCKED BY DEBRIS AND EQUIPMENT.
- AIR HAMMERS OR OTHER DEVICES WILL BE PERMITTED ON EXTERIOR WORK.
- CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING THE DEMOLITION/EXCAVATION PROCESS.
- DISPOSAL
  - REMOVE AND LEGALLY LAISE OF ALL OTHER RUBBISH, RUBBLE, AND DEBRIS. COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS GOVERNING DISPOSAL OF WASTE AND DEBRIS.
  - PAVEMENT REMOVAL
    - WHERE EXISTING PAVEMENT IS TO BE REMOVED, SAW-CUT THE SURFACING LEAVING A UNIFORM AND STRAIGHT EDGE WITH A MINIMUM OF DISTURBANCE TO THE REMAINING ADJACENT SURFACING. IF CONSTRUCTION RESULTS IN RAVELING OF THE SAW-CUT SURFACE, RE-CUT BACK FROM THE RAVELED EDGE PRIOR TO RESTORATION.
    - WHERE EXISTING PAVEMENT, CURB, CURB AND GUTTER, SIDEWALK, DRIVEWAY OR VALLEY GUTTER IS REMOVED FOR THE PURPOSE OF CONSTRUCTING OR REMOVING BOX CULVERTS, PIPE, INLETS, MANHOLES, APPURTENANCES, FACILITIES OR STRUCTURES, SAID PAVEMENT, ETC., SHALL BE REPLACED AND RESTORED IN EQUAL OR BETTER CONDITION THAN THE ORIGINAL. CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, AND OTHER EQUIPMENT AS REQUIRED.
  - CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
- PERMITTING: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY REQUIRED PERMITTING FOR DEMOLITION FROM RESPONSIBLE REGULATIONS AND FULLY ACKNOWLEDGE AND COMPLY WITH ALL REQUIREMENTS PRIOR TO COMMENCING DEMOLITION WORK.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED IN ORDER TO PERFORM THE CONTRACT WORK FOR THIS PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL OF THE INFORMATION WITHIN THESE DOCUMENTS. ALL DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMITTAL.
- PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- THE CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF ANY WORK. ACTUAL REMOVAL AND/OR RELOCATION OF ALL EXISTING PLANTS IS TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE SITEWORK CONTRACTOR TO COORDINATE DEMOLITION ACTIVITIES WITH THE LANDSCAPE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PRESERVING TREES AS INDICATED BY THE OWNER.
- CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITY TO THAT AREA DELINEATED IN THE DRAWING. ALL OTHER EXIST. UTILITIES INCLUDING: STORM DRAINAGE, GAS, ELECTRIC, TELEPHONE, AND WATER & SEWER SHALL BE PRESERVED & PROTECTED.
- A SEPARATE DEMOLITION PERMIT IS REQUIRED FOR THE DEMOLITION OF THE ACTUAL BUILDING.

**LEGEND**

- = EXISTING IRON PIPE
- ⊕ = CENTERLINE
- ⊠ = CONTROL MONUMENT
- = FOUND IRON ROD
- △ = SET SURVEY NAIL
- ⊙ = BENCHMARK
- = WATER METER
- HP = OVERHEAD POWER
- ⊕ = POWER POLE
- ☆ = LIGHT POST
- HR = HEDGE ROW
- G = GROUND
- PVT = PAVEMENT
- FL = FLOW LINE
- TC = TOP OF CURB
- ▭ = EDGE OF PAVEMENT
- WM = WATER METER

**SITE DATA**

TOTAL SITE AREA = 0.80 AC  
 EXISTING IMPERVIOUS AREA = 0.40 AC  
 IMPERVIOUS AREA TO STORM SYSTEM = 0.37 AC  
 PERVIOUS PAVING AREA TO STORM SYSTEM = .11 AC  
 LANDSCAPED AREA TO STORM SYSTEM = .09 AC  
 IMPERVIOUS COVERAGE TO STORM = 46%  
 PROP. ONE BUILDING ON SITE  
 BUILDING AREA = 3,847 S.F.  
 BUILDING COVERAGE = 11%  
 FRONT SETBACK: REQUIRED = 20', PROP. = 53.4'  
 SIDE SETBACK REQUIRED = 0',  
 SIDE SETBACKS PROP. WEST = 31.2', EAST = 54.3'  
 REAR SETBACK REQUIRED = 10', PROP. = 105.4'



GRAPHIC SCALE  
SCALE 1" = 20'

**REVISION BLOCK**

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Carter Engineering Consultants, Inc.  
 1551 Jennings Mill Rd  
 Building 500, Suite B  
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 www.carterengineering.net

**SITE DEVELOPMENT PLANS**  
 for  
**MB ONE CAPITAL, LLC**  
 3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

PROJECT NAME:  
**ZAXBY'S**  
**OLEANDER**

SHEET TITLE:  
**EXISTING CONDITIONS & DEMO PLAN**

SHEET NUMBER:  
**2**

PROJECT NUMBER:  
**13834ZAX**  
 DATE:  
**11/15/13**

NOW OR FORMERLY  
 GST EXEMPT FAMILY TRUST ETAL  
 ZONING: CB  
 LAND USE: NEIGHBORHOOD RETAIL

NOW OR FORMERLY  
 U.S. POSTAL SERVICE  
 ZONING: CB  
 LAND USE: GOVERNMENT

NOW OR FORMERLY  
 LIFE TIDE LLC  
 BOOK 4731 PAGE 0110  
 ADDRESS: 3909 OLEANDER DRIVE  
 ZONING: CB

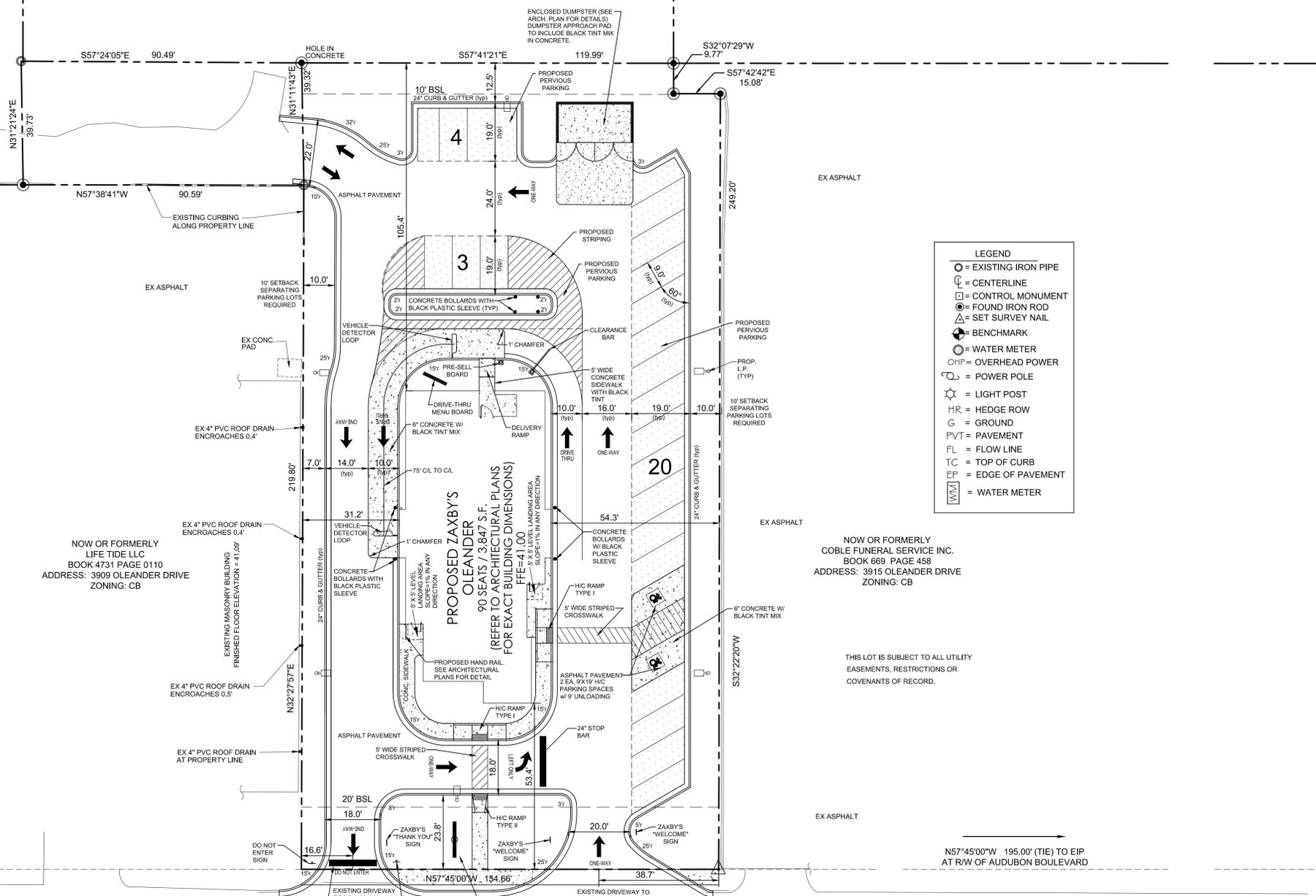
NOW OR FORMERLY  
 COBLE FUNERAL SERVICE INC.  
 BOOK 669 PAGE 458  
 ADDRESS: 3915 OLEANDER DRIVE  
 ZONING: CB

**OLEANDER DRIVE**  
 US HIGHWAYS # 74 & 76 (100' PUBLIC R/W)

NOW OR FORMERLY  
JOHN S. SHELTON  
BOOK 2721 PAGE 424  
ADDRESS: 1409 39TH STREET  
ZONING: O&I-1

NOW OR FORMERLY  
MARY C. WILLIAMS HOLMES  
BOOK 1365 PAGE 156  
ADDRESS: 3908-10 PEACHTREE AVENUE  
ZONING: R-10

NOW OR FORMERLY  
COBLE FUNERAL SERVICE INC.  
BOOK 1281 PAGE 415  
ADDRESS: 1410 AUDUBON BOULEVARD  
ZONING: CB



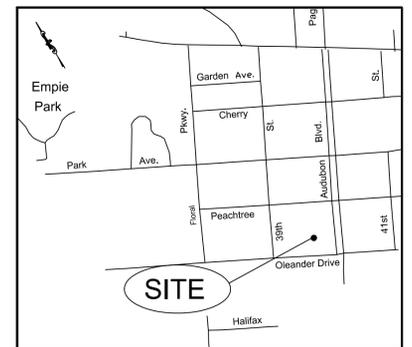
**LEGEND**

- = EXISTING IRON PIPE
- ⊕ = CENTERLINE
- = CONTROL MONUMENT
- ⊙ = FOUND IRON ROD
- ⊕ = SET SURVEY NAIL
- ⊕ = BENCHMARK
- ⊕ = WATER METER
- ⊕ = OVERHEAD POWER
- ⊕ = POWER POLE
- ⊕ = LIGHT POST
- ⊕ = HEDGE ROW
- ⊕ = GROUND
- ⊕ = PAVEMENT
- ⊕ = FLOW LINE
- ⊕ = TOP OF CURB
- ⊕ = EDGE OF PAVEMENT
- ⊕ = WATER METER

**OLEANDER DRIVE**  
US HIGHWAYS # 74 & 76 (100' PUBLIC R/W)

**SITE DATA**

TOTAL SITE AREA = 0.80 AC  
 EXISTING IMPERVIOUS AREA = 0.40 AC  
 IMPERVIOUS AREA TO STORM SYSTEM = 0.37 AC  
 PERVIOUS PAVING AREA TO STORM SYSTEM = .11 AC  
 LANDSCAPED AREA TO STORM SYSTEM = .09 AC  
 IMPERVIOUS COVERAGE TO STORM = 46%  
 PROP. ONE BUILDING ON SITE  
 BUILDING AREA = 3,847 S.F.  
 FRONT COVERAGE = 11%  
 FRONT SETBACK: REQUIRED = 20', PROP. = 53.4'  
 SIDE SETBACK REQUIRED = 0'  
 SIDE SETBACKS PROP. WEST = 31.2', EAST = 54.3'  
 REAR SETBACK REQUIRED = 10', PROP. = 105.4'



N.T.S. LOCATION MAP

**PROJECT NOTES:**

OWNER / DEVELOPER:  
MB One Capital, LLC  
120 E Liberty St.  
Savannah, GA 31401  
Contact: Rod McLeod  
Tel. (912) 656-0441

ENGINEER:  
Carter Engineering Consultants, Inc.  
1551 Jennings Mill Rd. Building 500 Suite B  
Bogart, GA 30622  
Contact: Mark Campbell, P.E.  
mark@cartereengineering.net  
Tel. (706) 559-7430

Property located at 3913 Oleander Drive, City of Wilmington, North Carolina

Proposed use is a restaurant with drive-thru

One building is proposed

Proposed building height is 20'

Zoning: CB

Front Setback = 20 feet, Side Setback = 0 feet, Rear Setback = 10 feet

TAX PARCEL ID: R055 / 8-023-001-000

CAMA Land Use Classification: Developed

Boundary and topographical information obtained from field run survey by Patrick C. Bristow Land Surveying, PC, dated October 25, 2013 TEL. (910) 791-1500

Total tract contains 0.80 acres, disturbed area = 0.78 acres

Contour interval is one foot.

The underground utilities shown hereon have been located from field information and existing drawings. The surveyor nor engineer warrants that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor nor engineer warrants that the underground utilities shown are in the exact location indicated. The surveyor nor engineer has physically located all the underground utilities.

It is the responsibility of the contractor to field locate all utilities prior to commencing work and notify engineer if a discrepancy is found.

The contractor shall verify the invert elevations of all existing storm and sanitary sewer structures prior to commencement of storm and sanitary sewer construction.

This property is located in flood zone "X" (areas determined to be outside the 0.2% annual chance floodplain) per FIRM Community Panel No. 370171, Map No. 3720313700J effective date April 3, 2006

**PARKING DATA**

<b>MAXIMUM ALLOWED</b>
1 space / 2.5 seats
90 / 2.5
36 maximum spaces allowed
<b>MINIMUM REQUIRED</b>
1 space / 4 seats
90 / 4
23 minimum spaces required
<b>TOTAL PARKING SPACES PROVIDED</b>
25 SPACES + 2 HANDICAP SPACES = 27 SPACES PROVIDED

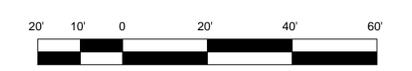
**UNDERGROUND UTILITIES DISCLAIMER**

Information regarding the reputed presence, size, character and location of existing underground utilities and structures related to underground utilities is shown hereon. There is no certainty of the accuracy of this information and it shall be considered in that light by those using this drawing. The location and arrangement of underground utilities and structures related to underground utilities shown hereon may be inaccurate and utilities and structures related to underground utilities not shown may be encountered. The owner, his employees, his consultants and his contractors shall hereby distinctly understand that the surveyor is not responsible for the correctness or sufficiency of this information regarding the underground utilities and structures related to underground utilities shown hereon.

**WATER, STORM, & SEWER**

Water and sewer services will be provided by CFPWA. Storm services will be provided by the City of Wilmington.

WATER & SEWER CAPACITY		
	Current Use (GPD)	Proposed Use (GPD)
Water:	0	100
Sewer:	0	100



**REVISION BLOCK**

#	DATE	DESCRIPTION
A	11/15/13	INITIAL SUBMITTAL
B	12/22/13	ADDRESS COMMENTS
C	1/31/14	ADDRESS COMMENTS



Carter Engineering Consultants, Inc.  
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Building 500, Suite B  
Bogart, GA 30622  
P: 706.559.7430  
F: 706.559.7435  
www.cartereengineering.net

**SITE DEVELOPMENT PLANS**  
for  
**MB ONE CAPITAL, LLC**  
3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA



SHEET TITLE:  
**SITE PLAN**

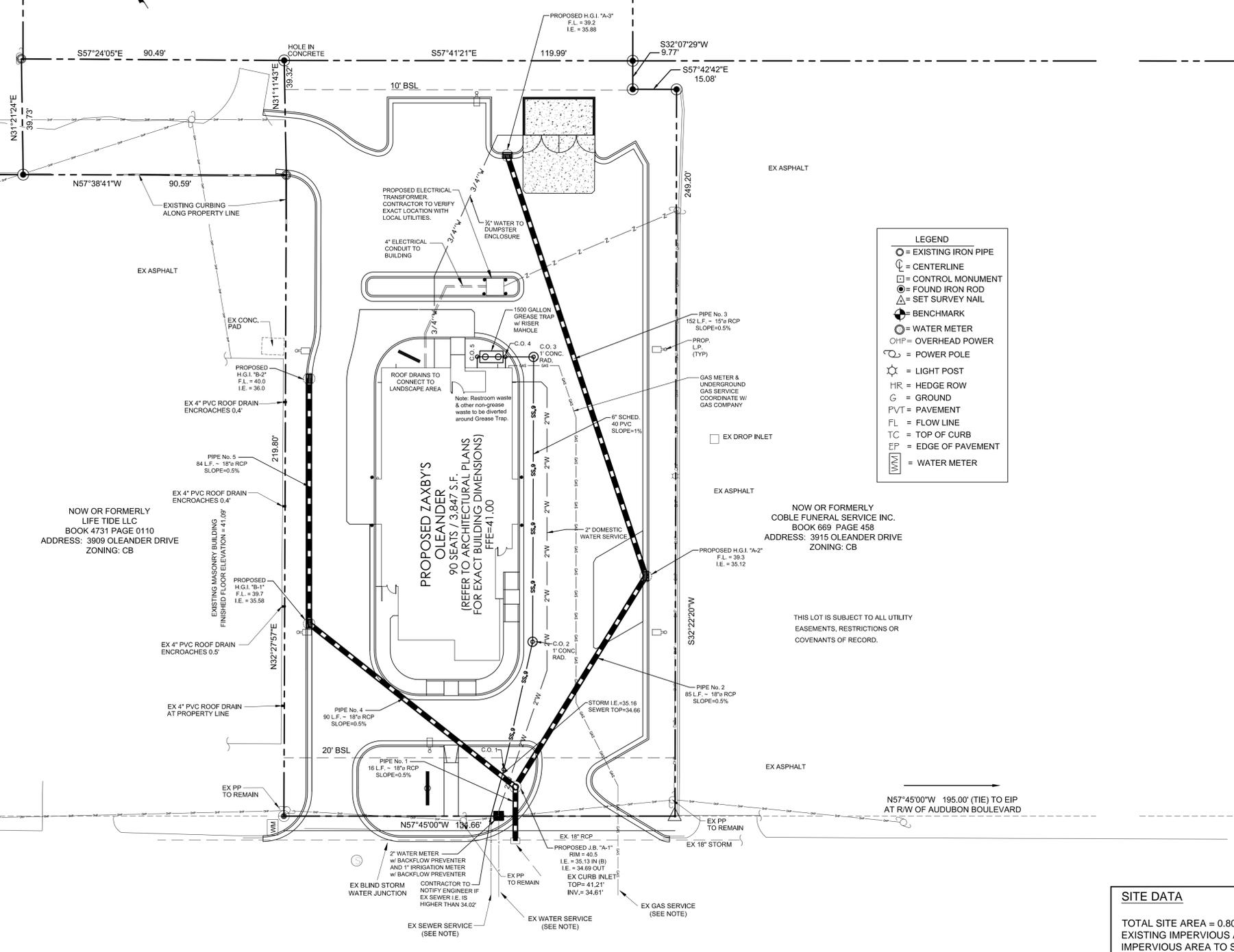
SHEET NUMBER:  
**3**

PROJECT NUMBER:  
**13834ZAX**  
DATE:  
**11/15/13**

NOW OR FORMERLY  
JOHN S. SHELTON  
BOOK 2721 PAGE 424  
ADDRESS: 1409 39TH STREET  
ZONING: O&I-1

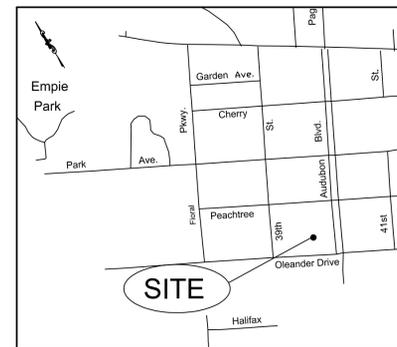
NOW OR FORMERLY  
MARY C. WILLIAMS HOLMES  
BOOK 1365 PAGE 156  
ADDRESS: 3908-10 PEACHTREE AVENUE  
ZONING: R-10

NOW OR FORMERLY  
COBLE FUNERAL SERVICE INC.  
BOOK 1281 PAGE 415  
ADDRESS: 1410 AUDUBON BOULEVARD  
ZONING: CB



**LEGEND**

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- ⊕ = CENTERLINE
- = CONTROL MONUMENT
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- PVT = PAVEMENT
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N.T.S. LOCATION MAP

**PROJECT NOTES:**

OWNER / DEVELOPER:  
MB One Capital, LLC  
120 E Liberty St.  
Savannah, GA 31401  
Contact: Rod McLeod  
Tel. (912) 656-0441

ENGINEER:  
Carter Engineering Consultants, Inc.  
1551 Jennings Mill Rd. Building 500 Suite B  
Bogart, GA 30622  
Contact: Mark Campbell, P.E.  
mark@cartereengineering.net  
Tel. (706) 559-7430

Property located at 3913 Oleander Drive, City of Wilmington, North Carolina  
Proposed use is a restaurant with drive-thru  
Proposed building height is 20'  
Zoning: CB  
Front Setback = 20 feet, Side Setback = 0 feet, Rear Setback = 10 feet  
TAX PARCEL ID: R055 / 8-023-001-000  
CAMA Land Use Classification: Developed  
Boundary and topographical information obtained from field run survey by Patrick C. Bristow Land Surveying, PC, dated October 25, 2013 TEL. (910) 791-1500  
Total tract contains 0.80 acres, disturbed area = 0.78 acres  
Contour interval is one foot.  
The underground utilities shown hereon have been located from field information and existing drawings. The surveyor nor engineer warrants that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor nor engineer warrants that the underground utilities shown are in the exact location indicated. The surveyor nor engineer has physically located all the underground utilities.  
It is the responsibility of the contractor to field locate all utilities prior to commencing work and notify engineer if a discrepancy is found.  
The contractor shall verify the invert elevations of all existing storm and sanitary sewer structures prior to commencement of storm and sanitary sewer construction.  
This property is located in flood zone "X" (areas determined to be outside the 0.2% annual chance floodplain) per FIRM Community Panel No. 370171, Map No. 3720313700J effective date April 3, 2009

**UNDERGROUND UTILITIES DISCLAIMER:**

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**UTILITY NOTE:**  
SEWER, WATER AND GAS SERVICES (UNDERGROUND) ARE PLOTTED FROM PAINT MARKS APPLIED BY NC 811 (UTILITY LOCATION SERVICE). STORM WATER STRUCTURE ON LOT HAS OUTLET PIPE LEAVING TOWARD OLEANDER DRIVE BUT THE SOUTHERN TERMINUS WAS NOT FOUND. WATER METER AND CLEAN OUT NOT MARKED OR FOUND. ASSUMED SEWER TO BE A 6" SEWER LATERAL AND THE WATER IS ASSUMED TO BE A 2" WATER LINE.  
WILL CONNECT TO EXISTING SERVICES AT EDGE OF RW ON THE PROJECT SITE.

**SEWER CHART**

ITEM	TOP	INVERT
EX SS	40.90'	34.02'
C.O. 1	40.90'	34.37'
C.O. 2	40.17'	36.12'
C.O. 3	40.35'	37.23'
C.O. 4	40.90'	37.33'
C.O. 5	40.90'	37.42'
BLDG	41.00'	37.50'

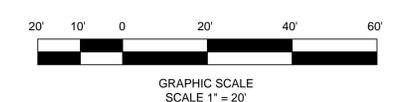
**SITE DATA**

TOTAL SITE AREA = 0.80 AC  
EXISTING IMPERVIOUS AREA = 0.40 AC  
IMPERVIOUS AREA TO STORM SYSTEM = 0.37 AC  
PERVIOUS PAVING AREA TO STORM SYSTEM = .11 AC  
LANDSCAPED AREA TO STORM SYSTEM = .09 AC  
IMPERVIOUS COVERAGE TO STORM = 46%  
PROP. ONE BUILDING ON SITE  
BUILDING AREA = 3,847 S.F.  
BUILDING COVERAGE = 11%  
FRONT SETBACK: REQUIRED = 20', PROP. = 53.4'  
SIDE SETBACK REQUIRED = 0',  
SIDE SETBACKS PROP. WEST = 31.2', EAST = 54.3'  
REAR SETBACK REQUIRED = 10', PROP. = 105.4'

**WATER, STORM, & SEWER**

Water and sewer services will be provided by CFPWA. Storm services will be provided by the City of Wilmington.

	WATER & SEWER CAPACITY	
	Current Use (GPD)	Proposed Use (GPD)
Water:	0	1000
Sewer:	0	1000



**OLEANDER DRIVE**  
US HIGHWAYS # 74 & 76 (100' PUBLIC R/W)

NOW OR FORMERLY  
GST EXEMPT FAMILY TRUST ETAL  
ZONING: CB  
LAND USE: NEIGHBORHOOD RETAIL

NOW OR FORMERLY  
U.S. POSTAL SERVICE  
ZONING: CB  
LAND USE: GOVERNMENT

REVISION BLOCK

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P: 706.559.7430  
F: 706.559.7435  
www.cartereengineering.net

**SITE DEVELOPMENT PLANS**  
for  
**MB ONE CAPITAL, LLC**  
3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

PROJECT NAME:  
**ZAXBY'S**  
**OLEANDER**

SHEET TITLE:  
**UTILITY PLAN**

SHEET NUMBER:  
**4**

PROJECT NUMBER:  
**13834ZAX**  
DATE:  
**11/15/13**



NOW OR FORMERLY  
JOHN S. SHELTON  
BOOK 2721 PAGE 424  
ADDRESS: 1409 39TH STREET  
ZONING: O&I-1

NOW OR FORMERLY  
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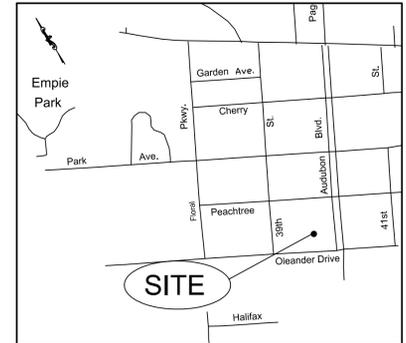
NOW OR FORMERLY  
COBLE FUNERAL SERVICE INC.  
BOOK 1281 PAGE 415  
ADDRESS: 1410 AUDUBON BOULEVARD  
ZONING: CB

NOW OR FORMERLY  
LIFE TIDE LLC  
BOOK 4731 PAGE 0110  
ADDRESS: 3909 OLEANDER DRIVE  
ZONING: CB

NOW OR FORMERLY  
COBLE FUNERAL SERVICE INC.  
BOOK 669 PAGE 458  
ADDRESS: 3915 OLEANDER DRIVE  
ZONING: CB

NOW OR FORMERLY  
GST EXEMPT FAMILY TRUST ETAL  
ZONING: CB  
LAND USE: NEIGHBORHOOD RETAIL

NOW OR FORMERLY  
U.S. POSTAL SERVICE  
ZONING: CB  
LAND USE: GOVERNMENT



N.T.S. LOCATION MAP

**EROSION CONTROL NOTES:**

1. DEVELOPER/OWNER: MB ONE CAPITAL, LLC, 120 E LIBERTY ST, SAVANNAH, GA 31401  
TEL: (912) 656-0441
2. 24 HOUR CONTACT: ROD MCLEOD (912) 656-0441
3. PROJECT INCLUDES CONSTRUCTION OF A 3,847 S.F. BUILDING WITH ASSOCIATED UTILITIES.  
TOTAL TRACT AREA = 0.80 AC, TOTAL DISTURBED AREA = 0.78 AC
4. ADDITIONAL MEASURES WILL BE ADDED IF DETERMINED TO BE NEEDED BY ON-SITE
5. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR
6. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. PRACTICES WILL BE CHECKED DAILY.
7. STANDARD AND SPECIFICATIONS: ALL DESIGN WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED "NORTH CAROLINA MANUAL OF EROSION CONTROL."
8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED
9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE

- LEGEND**
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  - EP = EDGE OF PAVEMENT
  - WM = WATER METER

AUDUBON BOUL

**ACTIVITY SCHEDULE:**

TASK DESCRIPTION:	MONTHS (2014)					
	FEBRUARY	MARCH	APRIL	MAY	JUNE	
INITIAL EROSION CONTROL BMP'S INSTALLATION	X					
INTERMEDIATE EROSION CONTROL BMP'S INSTALLATION	X	X				
FINAL PHASE EROSION CONTROL BMP'S INSTALLATION			X	X	X	
MAINTENANCE OF EASC PRACTICES	X	X	X	X	X	
DEMOLITION	X	X	X	X	X	
CLEARING AND GRUBBING	X					
GRADING	X	X				
STORM SEWER INSTALLATION			X			
SANITARY SEWER INSTALLATION			X	X	X	
PAVING			X	X	X	
BUILDING CONSTRUCTION			X	X	X	
TEMPORARY GRASSING @ 45 DAYS			X	X	X	
PERMANENT GRASSING @ 30 DAY INTERVALS					X	
FINAL CLEAN UP					X	

- TEMP. GRAVEL CONSTRUCTION ENTRANCE
- CLOTH & GRAVEL INLET PROTECTION
- TEMPORARY SEDIMENT FENCE
- TEMPORARY SEEDING
- PERMANENT SEEDING



REVISION BLOCK:

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**CARTER ENGINEERING CONSULTANTS**

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**SITE DEVELOPMENT PLANS**  
for  
**MB ONE CAPITAL, LLC**  
3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

PROJECT NAME:  
**ZAXBY'S**  
**OLEANDER**

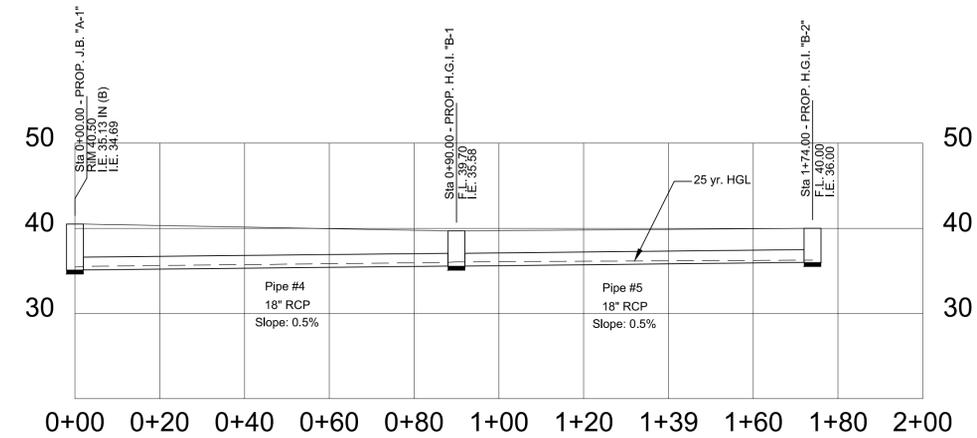
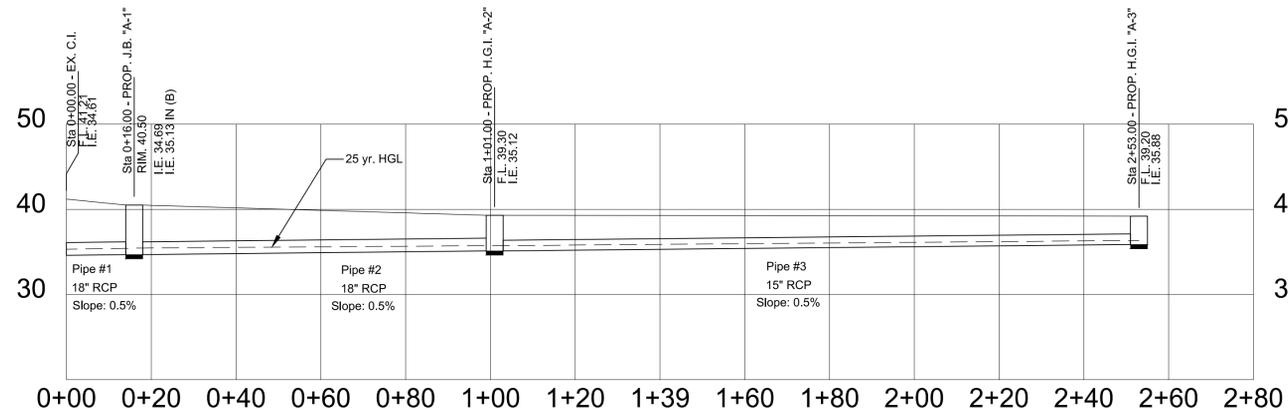
SHEET TITLE:  
**EROSION CONTROL PLAN**

SHEET NUMBER:  
**6**

PROJECT NUMBER:  
**13834ZAX**

DATE:  
**11/15/13**

**OLEANDER DRIVE**  
US HIGHWAYS # 74 & 76 (100' PUBLIC R/W)

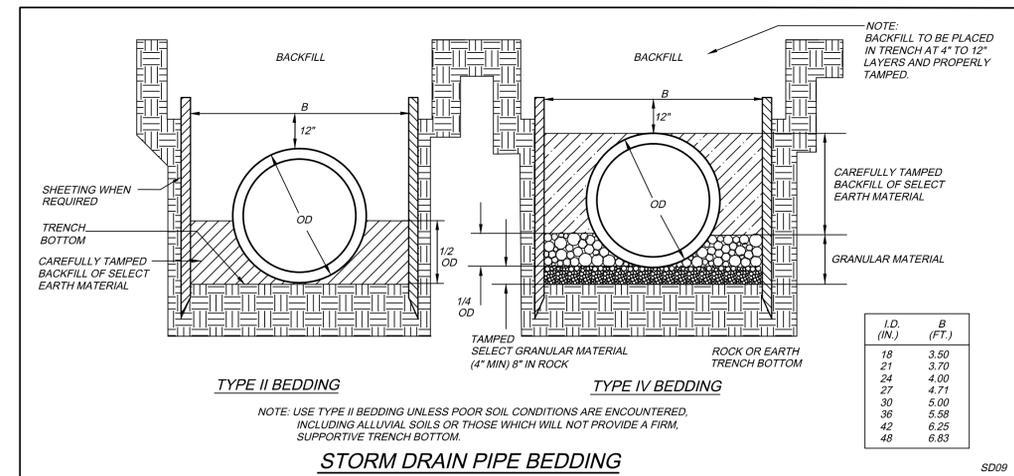
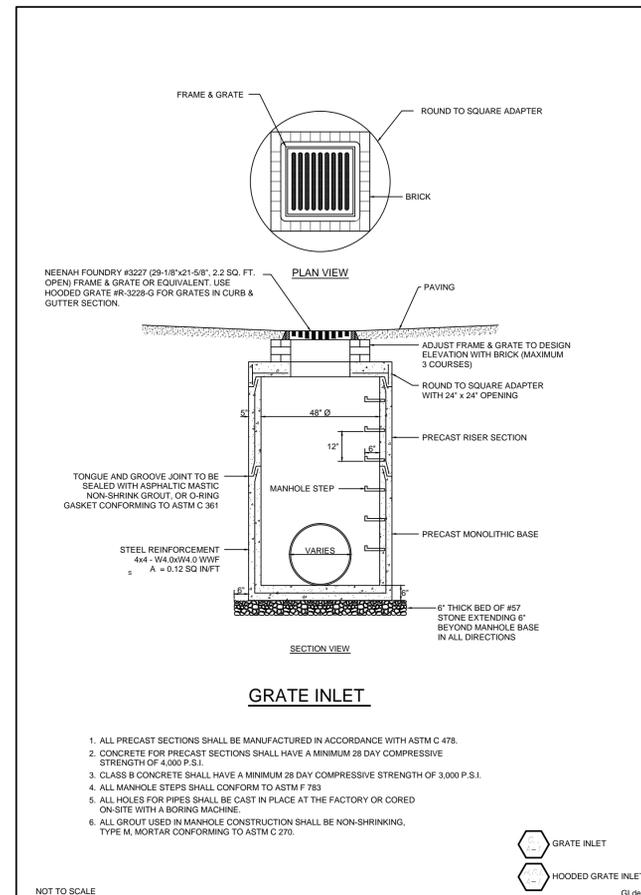


## STORM SEWER PROFILES

SCALE: 1(in) = 20 (ft) H, 1(in) = 10(ft) V

PIPE CHART 25YR STORM

Pipe No.	Flow (cfs)	Size (in)	Mat'l	Length (ft)	I.E. Down (ft)	I.E. Up (ft)	Slope (%)	HGL Down (ft)	HGL Up (ft)	Velocity (ft/s)
1	3.50	18	RCP	16	34.61	34.69	0.5	35.32	35.42	4.16
2	2.67	18	RCP	85	34.69	35.12	0.5	35.46	35.74	3.40
3	1.37	15	RCP	152	35.12	35.88	0.5	35.74	36.34	2.75
4	1.26	18	RCP	90	35.13	35.58	0.5	35.55	36.00	3.12
5	0.56	18	RCP	84	35.58	36.00	0.5	36.08	36.28	1.79



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C	1/10/14	ADDRESS COMMENTS



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PROJECT NAME:  
**ZAXBY'S**  
**OLEANDER**

SHEET TITLE:  
**PIPE PROFILES**

SHEET NUMBER:  
**7**

PROJECT NUMBER:  
**13834ZAX**

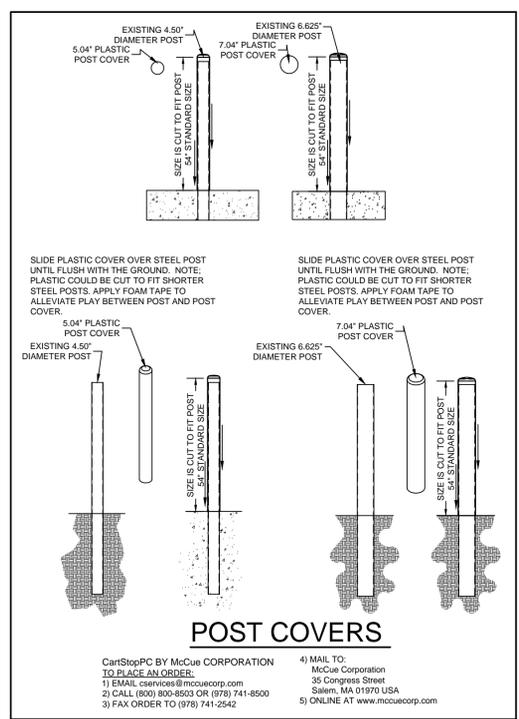
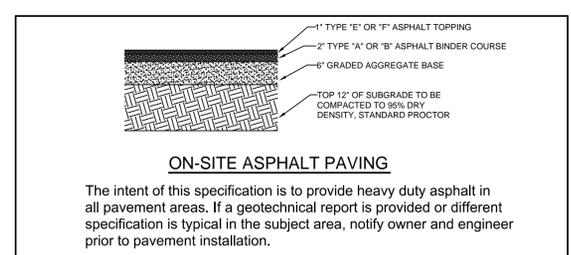
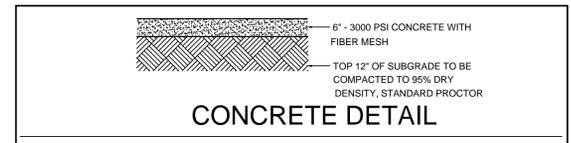
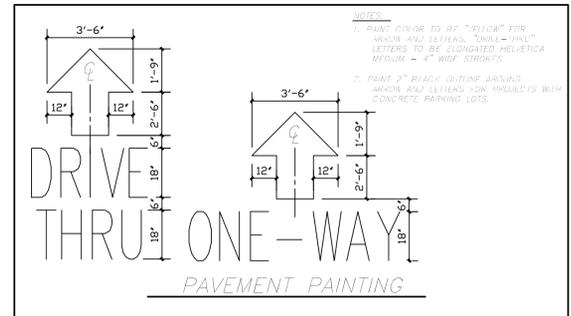
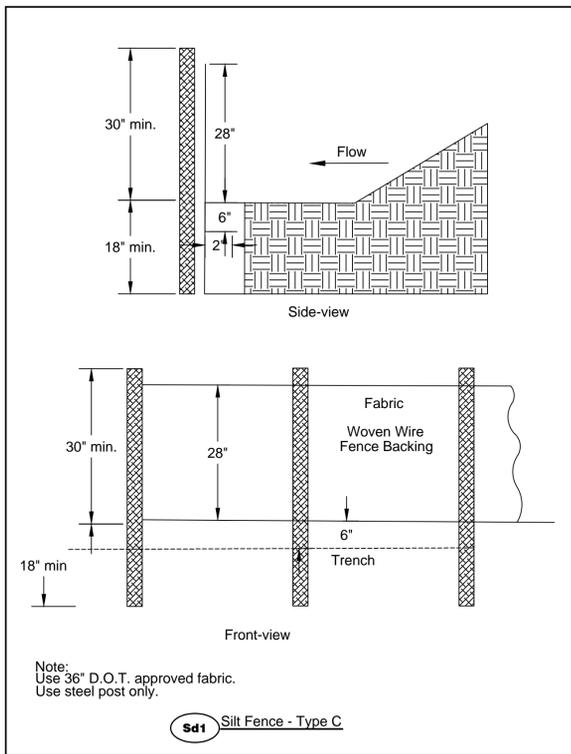
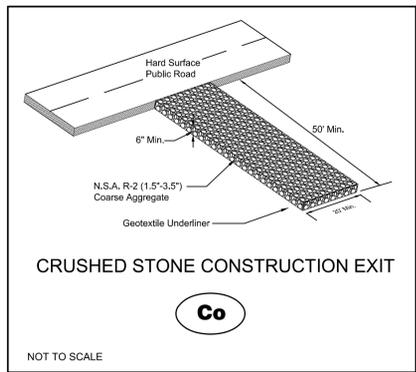
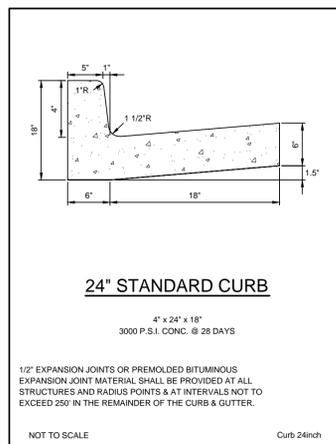
DATE:  
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MULCHING RATES				
USE DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS. DRY STRAW OR HAY SHALL BE APPLIED AT THE RATE OF 2.5 TONS PER ACRE. MULCHING SHALL BE USED DURING MONTHS THAT GRASSING SHOULD NOT BE APPLIED BASED ON THE SCHEDULE BELOW.				
TEMPORARY AND PERMANENT VEGETATION SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 6 OF THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL.				
TEMPORARY GRASSING				
TEMPORARY GRASSES SHALL CONSIST OF SOWING A QUICK GRASS SUCH AS RYE, BROWN TOP MILLET, OR GRASS SUITABLE TO THE AREA AND SEASON. LIME AND FERTILIZER WILL BE OMITTED. MULCH IS NOT REQUIRED BUT SHOULD BE USED AS DICTATED BY SITE CONDITIONS. TEMPORARY GRASSING IS REQUIRED WHEN DISTURBED AREA IS LEFT EXPOSED MORE THAN 14 DAYS.				
SPECIES	RATE	PLANTING DATES		
RYE GRASS	40#/ACRE	JAN-APR/AUG-DEC		
BROWN MILLET	10-40#/ACRE	APRIL - JUNE		
WEeping LOVEGRASS	12-30#/ACRE	AUGUST-DECEMBER		
ANNUAL LESPEDEZA	2-4#/ACRE	FEBRUARY-JUNE		
SUDAN GRASS	10-40#/ACRE	FEBRUARY-APRIL		
	60#/ACRE	APRIL-AUGUST		
	12-30#/ACRE	SEPTEMBER-DECEMBER		
PERMANENT GRASSING				
PERMANENT GRASSING SHALL CONSIST OF GROUND PREPARATION, LIMING, FERTILIZATION, MULCHING AND SEEDING. THE GROUND SHALL BE PREPARED BY PLOWING AND MIXING TO A DEPTH NOT LESS THAN 4". FERTILIZER AND LIME SHALL BE UNIFORMLY MIXED INTO THE GROUND. WITH FERTILIZER AT THE RATE OF 1500#/ACRE AND LIME AT THE RATE OF 2000#/ACRE. THE GROUND SHALL BE FINISHED OFF SMOOTH AND UNIFORM AND BE FREE OF ROCKS, CLODS, ROOTS AND WEEDS. FERTILIZER SHALL BE APPLIED PER THE TABLE BELOW. WEATHER PERMITTING, SEEDING SHALL BE DONE WITHIN 24 HOURS OF FERTILIZER APPLICATION. SEED SHALL BE UNIFORMLY SPREAD AT THE RATES SHOWN BELOW. MULCHING IS REQUIRED AND SHALL BE DONE IMMEDIATELY AFTER SEEDING. MULCH SHALL BE UNIFORMLY APPLIED OVER THE AREA LEAVING APPROXIMATELY 20% OF THE GROUND SURFACE EXPOSED. THE RATE OF APPLICATION SHALL BE DOUBLED ON SLOPES STEEPER THAN 4:1.				
SPECIES	RATE	PLANTING DATES		
TALL FESCUE	30-50#/ACRE	MARCH-APRIL/AUGUST-OCTOBER		
SERICEA LESPEDEZA (b)	60#/ACRE	MARCH-JUNE		
WEeping LOVE GRASS	2-4#/ACRE	MARCH-JUNE		
UNHILLED BERMUDA	6-10#/ACRE	JAN-FEB/OCT-DEC		
HILLED BERMUDA	6-10#/ACRE	MARCH-JUNE		
BANJA	30-60#/ACRE	APRIL-MARCH		
LIMING RATES				
Agricultrual lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultrual lime shall be within the specifications of the North Carolina Department of Agriculture.				
FERTILIZER REQUIREMENTS				
TYPES OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2
	Second Maintenance	6-12-12 10-10-10	1000 lbs./ac. 400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-80 lbs./ac. 1/
	Second Maintenance	6-12-12 0-10-10 10-10-10	1000 lbs./ac. 400 lbs./ac.	-
3. Ground Covers	First	10-10-10	1300 lbs./ac. 3/	-
	Second Maintenance	10-10-10	1300 lbs./ac. 3/ 1100 lbs./ac.	-
4. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	-
	Maintenance	0-10-10	700 lbs./ac. 4/	-
5. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/ 6/
	Second Maintenance	6-12-12 10-10-10	800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/ 30 lbs./ac.
6. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac. 6/
	Second Maintenance	6-12-12 0-10-10 10-10-10	1000 lbs./ac. 400 lbs./ac.	30 lbs./ac.

**Ds1**

**Ds2**

**Ds3**



**6.51**

**Practice Standards and Specifications**

**6.51 HARDWARE CLOTH & GRAVEL INLET PROTECTION**

**Definition:** A temporary measure of wire-mesh hardware cloth around steel posts supporting washed stone placed around the opening of a drop inlet.

**Purpose:** To prevent sediment from entering yard inlets, graded storm drains or drop inlets during construction. This practice allows early use of the storm drain system.

**Conditions Where Practice Applies:** To be placed around a catch basin or a drop inlet and where the flow is light to moderate. If heavy flow is anticipated, use the rock doughnut inlet protection method (Practice 6.54, Rock Doughnut Inlet Protection). It is also used where storm drain inlets are to be made operational before permanent stabilization of the disturbed drainage area. This method of inlet protection is effective where the inlet is exposed to drain shallow sheet flow. The immediate land area around the inlet should be relatively flat (less than 1 percent) and located so that accumulated sediment can be easily removed.

**This practice must not be used near the edge of fill material and must not divert water over cut or fill slopes.**

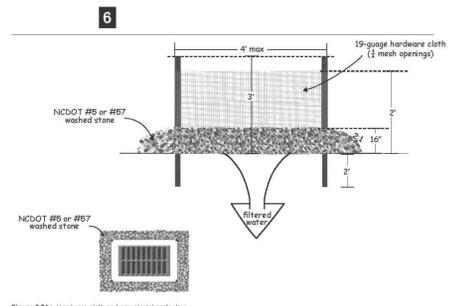
**Design Criteria:** Ensure that drainage areas do not exceed 1 acre per inlet.

For securing the wire mesh hardware cloth barriers, use steel T posts. The posts need to be 1.25 lb linear ft steel with a minimum length of 5 feet. Make sure the posts have projections to facilitate fastening the hardware cloth. Securely drive each stake into the ground to a minimum depth of 2 feet. The maximum spacing for the posts is 4 feet.

The wire mesh should be at least a 19-gauge hardware cloth with a 1/4 inch mesh opening. The total height should be a minimum of 2 feet. Providing a flap of hardware cloth on the ground projecting away from the inlet can aid in removal of the stone at the project's completion. The sediment control stone, with a height of 16 inches, should have an outside slope of 2:1.

The top elevation of the structure must be at least 12 inches lower than the ground elevation downslope from the inlet. It is important that all storm flows pass over the structure into the storm drain and not bypass the structure. Temporary dikes below the structure may be necessary to prevent bypass flow. Soil excavated when constructing the sediment pool may be used for this purpose (Figure 6.51a).

Rec: 606



**Construction Specifications:**

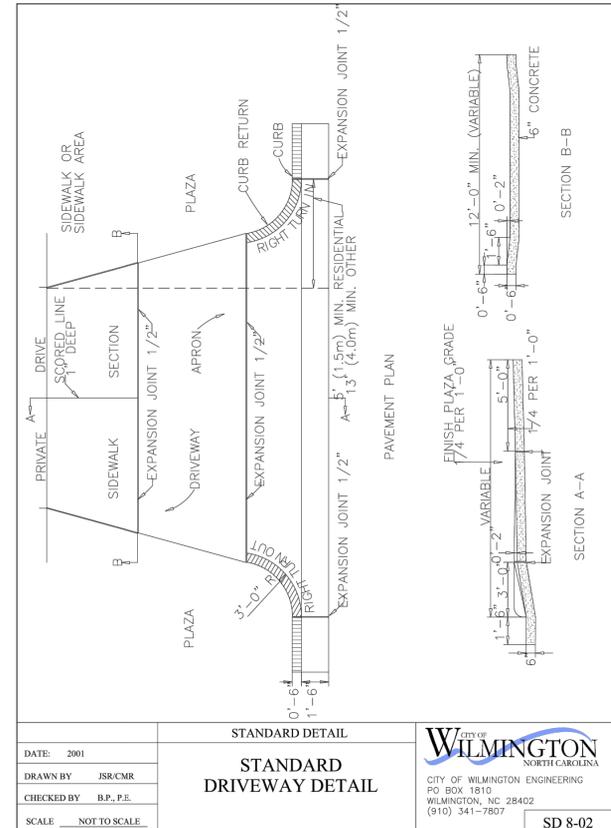
- Uniformly grade a shallow depression approaching the inlet.
- Drive 5-foot steel posts 2 feet into the ground surrounding the inlet. Space posts evenly around the perimeter of the inlet, a maximum of 4 feet apart.
- Surround the posts with wire mesh hardware cloth. Secure the wire mesh to the steel posts at the top, middle, and bottom. Placing a 2-foot flap of the wire mesh under the gravel for anchoring is recommended.
- Place clean gravel (NO DOT #5 or #57 stone) on a 2:1 slope with a height of 16 inches around the wire, and smooth to an even grade.
- Once the contributing drainage area has been stabilized, remove accumulated sediment, and establish final grading elevations.
- Compact the area properly and stabilize it with groundcover.

**Maintenance:** Inspect inlets at least weekly and after each significant (1/2 inch or greater) rainfall event. Clear the mesh 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.

**References:** Inlet Protection 6.52, Block and Gravel Inlet Protection 6.54, Rock Doughnut Inlet Protection

North Carolina Department of Transportation  
Standard Specifications for Roads and Structures

Rec: 606



**6**

**Table 6.10a: Temporary Seeding Recommendations for Late Winter and Early Spring**

Seeding mixture Species	Rate (lb/acre)
Rye (gram)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

Ornamental lespedeza when duration of temporary cover is not to extend beyond June.

**Seeding dates:**  
Mountains—Above 2500 feet Feb. 15 - May 15  
Below 2500 feet Feb. 1 - May 1  
Piedmont—Jan. 1 - May 1  
Coastal Plain—Dec. 1 - Apr. 15

**Soil amendments:** Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

**Mulch:** Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

**Maintenance:** Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

**6**

**Table 6.10b: Temporary Seeding Recommendations for Summer**

Seeding mixture Species	Rate (lb/acre)
German millet	40

In the Piedmont and Mountains, a small-stemmed Sudan grass may be substituted at a rate of 50 lb/acre.

**Seeding dates:**  
Mountains—May 15 - Aug. 15  
Piedmont—May 1 - Aug. 15  
Coastal Plain—Apr. 15 - Aug. 15

**Soil amendments:** Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

**Mulch:** Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

**Maintenance:** Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

**6**

**Table 6.10c: Temporary Seeding Recommendations for Fall**

Seeding mixture Species	Rate (lb/acre)
Rye (gram)	120

**Seeding dates:**  
Mountains—Aug. 15 - Dec. 15  
Coastal Plain and Piedmont—Aug. 15 - Dec. 30

**Soil amendments:** Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

**Mulch:** Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

**Maintenance:** Repair and reseed damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

**REVISION BLOCK:**

#	DATE	DESCRIPTION
A	11/15/13	INITIAL SUBMITTAL
B	12/27/13	ADDRESS COMMENTS
C	1/3/14	ADDRESS COMMENTS

**NORTH CAROLINA PROFESSIONAL SEAL 030180 ENGINEER JAMES J. CARTER**

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**SITE DEVELOPMENT PLANS**

for  
**MB ONE CAPITAL, LLC**

3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

**PROJECT NAME: ZAXBY'S**

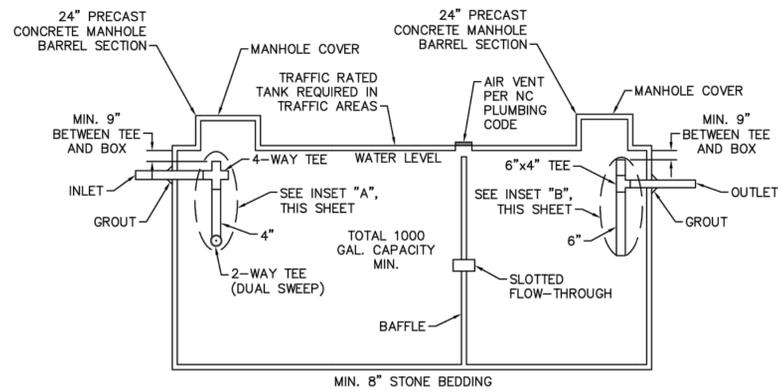
**OLEANDER**

SHEET TITLE:  
**STANDARD DETAILS**

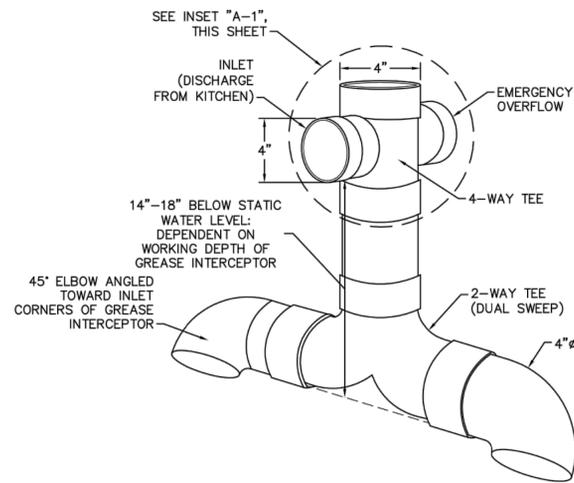
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PROJECT NUMBER:  
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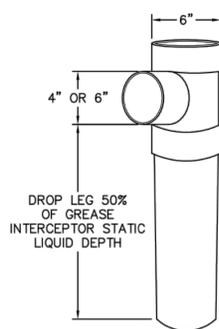
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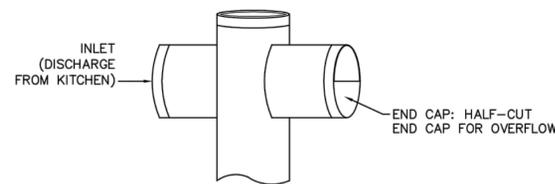
**CONCRETE GREASE INTERCEPTOR**  
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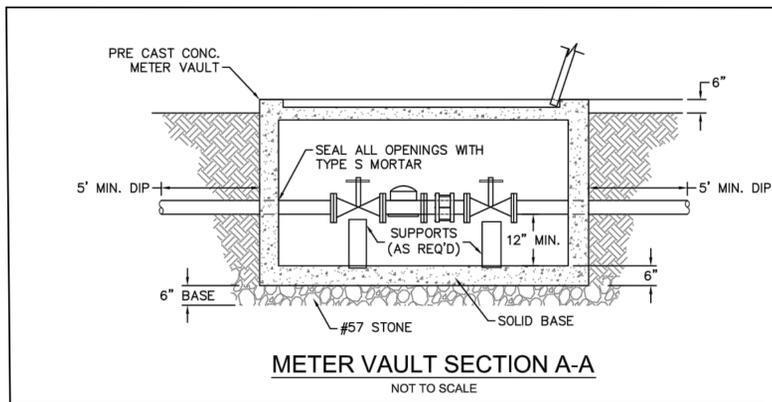
**GREASE INTERCEPTOR INSET "A" 4" SANITARY TEE**  
NOT TO SCALE



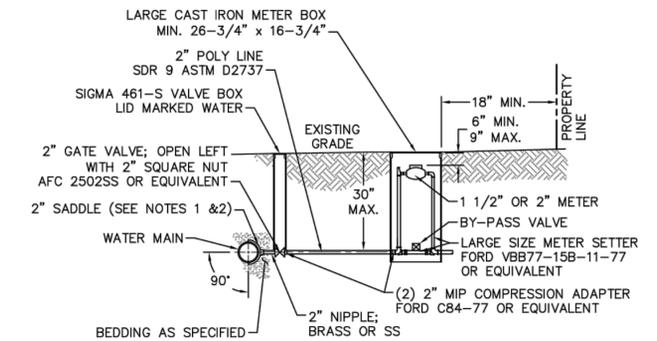
**GREASE INTERCEPTOR INSET "B" 6" x 6" x 4" OUTLET SANITARY TEE**  
NOT TO SCALE



**GREASE INTERCEPTOR INSET "A-1" EMERGENCY OVERFLOW CLOSE-UP**  
NOT TO SCALE

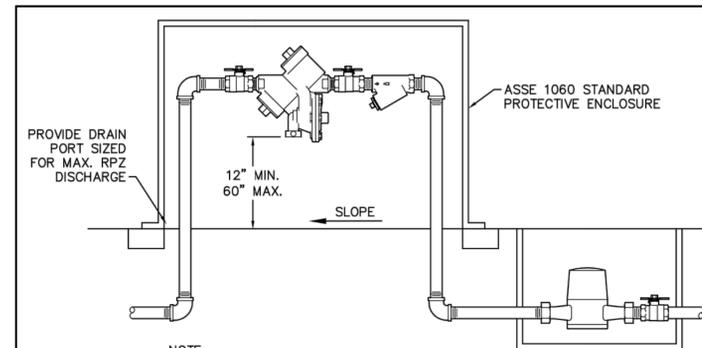


**METER VAULT SECTION A-A**  
NOT TO SCALE



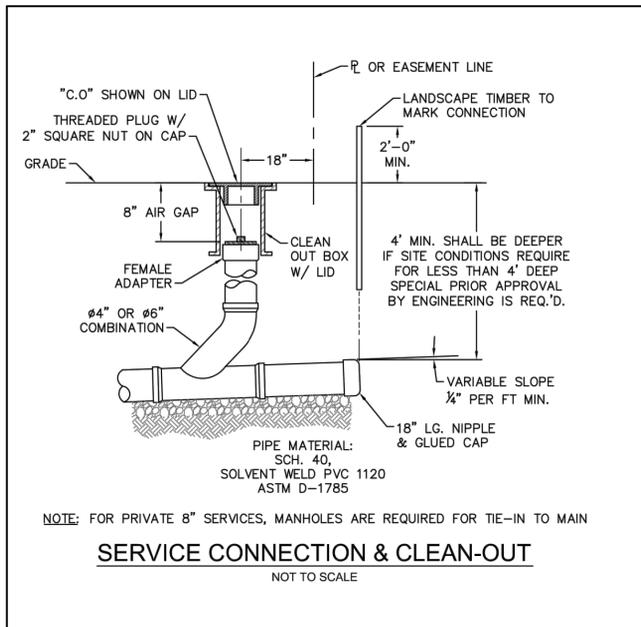
- NOTES:**
- ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
  - SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY: McDONALD 3800, FORD S90 (DOUBLE STRAP) OR EQUIVALENT.
  - METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (OLDCASTLE PRECAST MODEL B1730 OR APPROVED EQUIVALENT).
  - METER BOXES SUSCEPTIBLE TO INCIDENTAL, NON-DELIBERATE TRAFFIC SHALL CONFORM TO ANSI/SCTE 77 TIER 15 LOAD RATING STANDARDS (SYNERTECH MODEL DUO 17x30 OR APPROVED EQUIVALENT).
  - NON-TRAFFIC METER BOXES SHALL BE SIGMA MB2203 OR APPROVED EQUIVALENT.
  - 3" CLEAN FILL REQUIRED ALL AROUND 2" POLY SERVICE LINE.

**LARGE METER**  
FOR 1-1/2" OR 2" WATER SERVICES  
NOT TO SCALE



- NOTE:**
- MUST BE MIN. 36" AWAY FROM ANY ELECTRICAL PANEL.
  - VALVE REQUIRED DOWNSTREAM OF BACKFLOW ASSEMBLY.
  - VERTICAL INSTALLATION SHALL BE DESIGNED AND SUBMITTED TO CFPWA ESMO FOR APPROVAL.

**OUTDOOR HORIZONTAL INSTALLATION**  
**REDUCED PRESSURE PRINCIPLE ASSEMBLY**  
NOT TO SCALE



**SERVICE CONNECTION & CLEAN-OUT**  
NOT TO SCALE

- GENERAL NOTES:**
- NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
  - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION BEGINS.
  - THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
  - THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
  - THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN AND STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

**THE DETAILS SHOWN HEREON SUPERCEDE CFPWA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04**

REVISION BLOCK	
#	DESCRIPTION
A	11/15/13 INITIAL SUBMITTAL
B	12/22/13 ADDRESS COMMENTS
C	1/3/14 ADDRESS COMMENTS



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**SITE DEVELOPMENT PLANS**  
for  
**MB ONE CAPITAL, LLC**  
3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

PROJECT NAME:  
**ZAXBY'S**  
**OLEANDER**

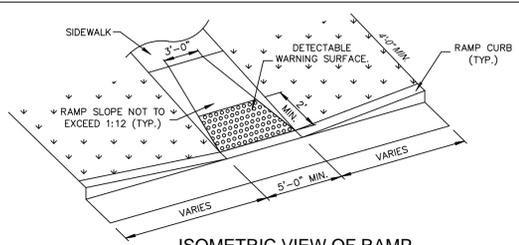
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**STANDARD DETAILS**

SHEET NUMBER:  
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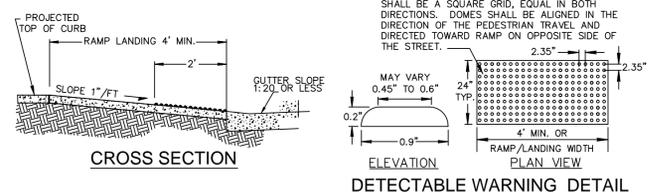
PROJECT NUMBER:  
**13834ZAX**

DATE:  
**11/15/13**





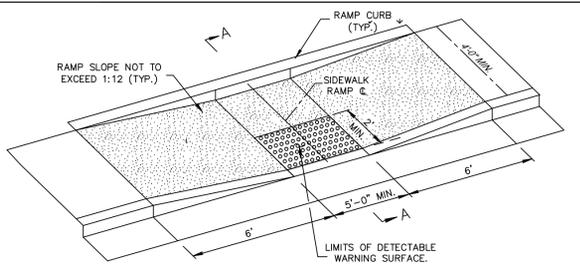
ISOMETRIC VIEW OF RAMP



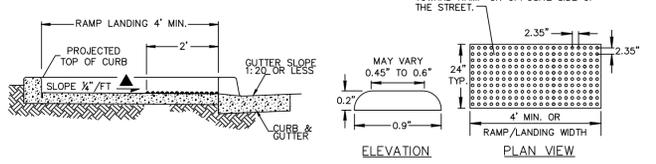
DETECTABLE WARNING DETAIL

- NOTES:
- HANDICAP RAMP CONSTRUCTION SHALL CONFORM TO ALL FEDERAL, STATE AND CITY CODES AND SPECIFICATIONS.
  - SURFACES SHALL MEET THE REQUIREMENTS OF THE 2010 ADA AND 2004 ADAAG.
  - THE SLOPE OF THE GUTTER MUST NOT EXCEED 1:20 ADJACENT TO THE RAMP.
  - DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF CONCRETE, THE WARNING AREA SHALL BE FEDERAL YELLOW IN COLOR. THE COLOR USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.

STANDARD CONSTRUCTION DETAIL  
HANDICAP RAMP TYPE II



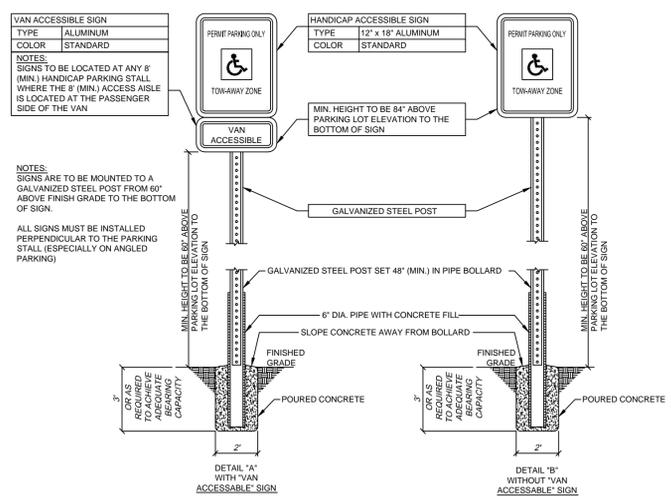
ISOMETRIC VIEW OF RAMP



DETECTABLE WARNING DETAIL

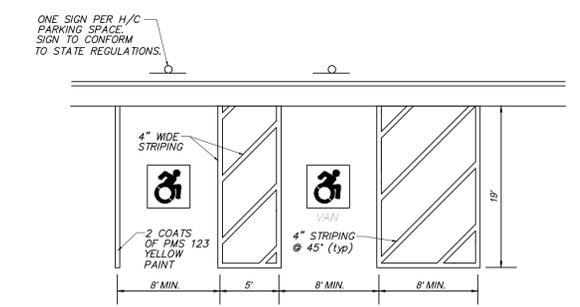
- NOTES:
- HANDICAP RAMP CONSTRUCTION SHALL CONFORM TO ALL FEDERAL, STATE AND CITY CODES AND SPECIFICATIONS.
  - SURFACES SHALL MEET THE REQUIREMENTS OF THE 2010 ADA AND 2004 ADAAG.
  - THE SLOPE OF THE GUTTER MUST NOT EXCEED 1:20 ADJACENT TO THE RAMP.
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STANDARD CONSTRUCTION DETAIL  
HANDICAP RAMP TYPE I

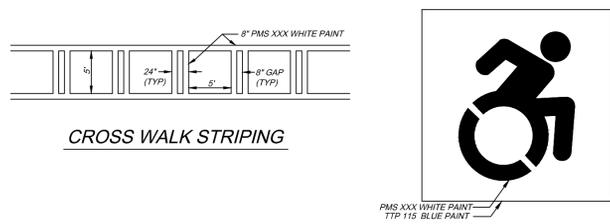


"HANDICAP PARKING ONLY" SIGNS

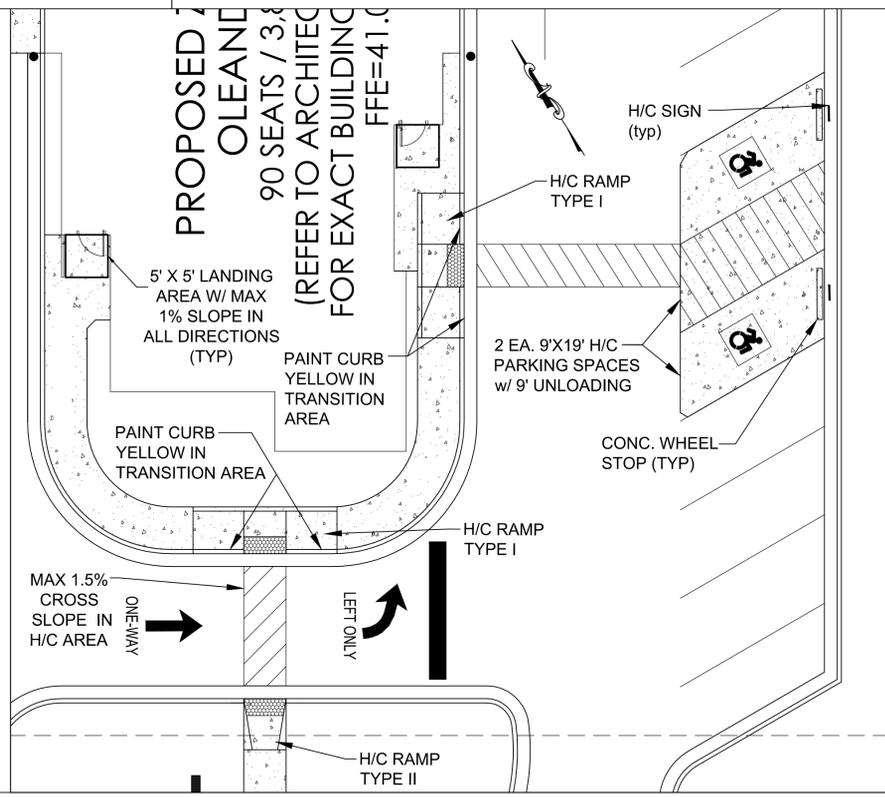
NOT TO SCALE



ACCESSIBLE PARKING SPACES, ACCESS AISLES AND PASSENGER LOADING ZONES SHALL HAVE SURFACE SLOPES NOT STEEPER THAN 1:50 (2%) IN ANY DIRECTION.



PAINTED HANDICAPPED PARKING SPACE & SYMBOL  
NOT TO SCALE



SCALE: 1" = 10'

ACCESSIBLE PARKING SPACES, ACCESS AISLES AND PASSENGER LOADING ZONES SHALL HAVE SURFACE SLOPES NOT STEEPER THAN 1:75 (1.5%) IN ANY DIRECTION.

REVISION BLOCK	
#	DESCRIPTION
A	11/15/13 INITIAL SUBMITTAL
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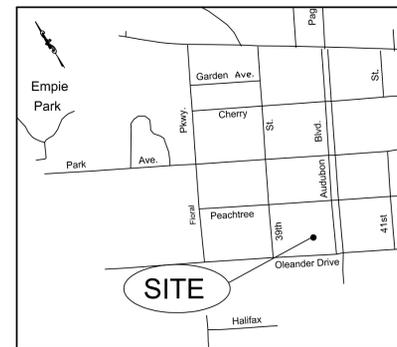
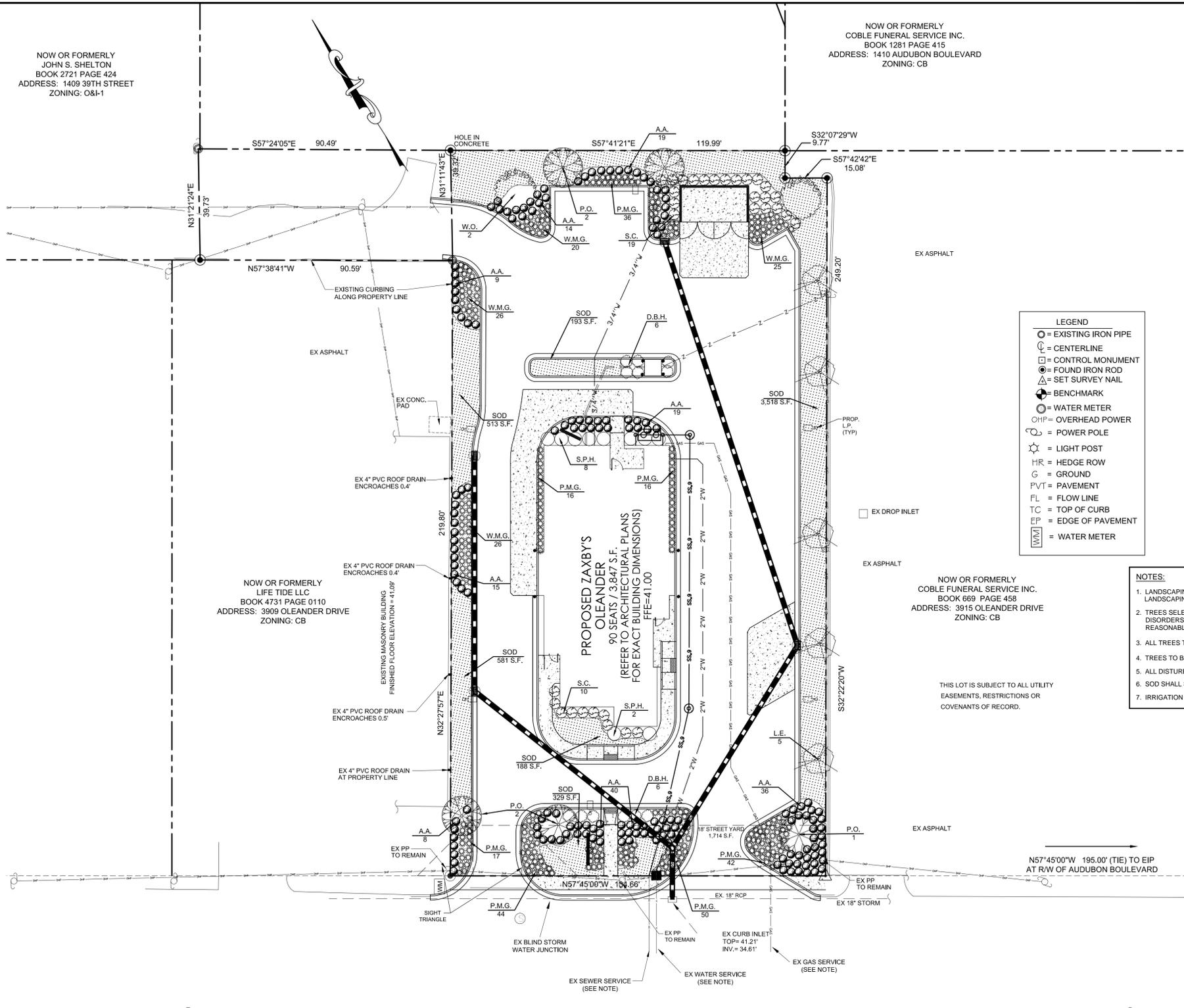
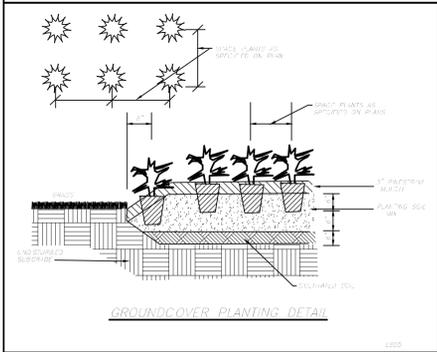
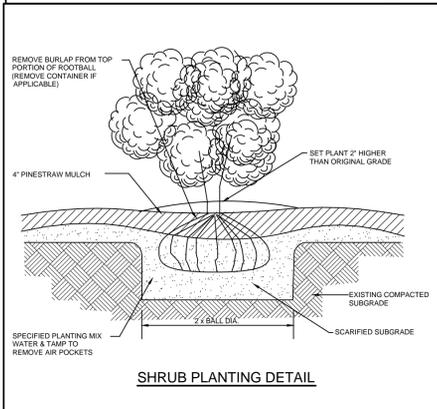
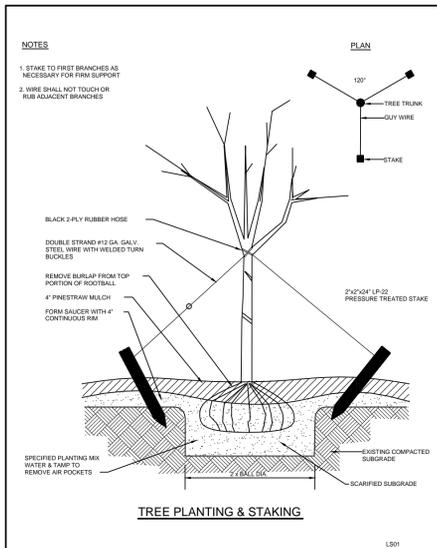
PROJECT NAME:  
ZAXBY'S  
OLEANDER

SHEET TITLE:  
ADA ACCESS PLAN

SHEET NUMBER:  
11

PROJECT NUMBER:  
13834ZAX

DATE:  
11/15/13



**LANDSCAPE CALCULATIONS:**

**TREE REQUIREMENTS:**  
 15 TREES PER DISTURBED ACRE = 15 \* 0.78 AC = 11.7 = 12 TREES REQUIRED  
 12 TREES PROPOSED

**STREET YARD LANDSCAPING REQUIREMENTS:**  
 STREET YARD AREA REQUIRED = 88.6 LF \* 18 (MULTIPLIER) = 1,594.8 S.F.  
 STREET YARD AREA PROPOSED = 1,714 S.F.

**STREET YARD TREES REQUIRED = 1 CANOPY TREE / 600 S.F. = 1,714 / 600 = 2.9 = 3 STREET YARD CANOPY TREES REQUIRED**  
 3 STREET YARD CANOPY TREES PROPOSED

**STREET YARD SHRUBS REQUIRED = 6 SHRUBS / 600 S.F. = (1,714 / 600) \* 6 = 17.1 = 18 STREET YARD SHRUBS REQUIRED**  
 74 STREET YARD CANOPY TREES PROPOSED

**INTERIOR LANDSCAPING REQUIREMENTS:**  
 20% OF IMPERVIOUS AREA REQUIRED TO BE SHADED = 26,010 S.F. \* 0.2 = 5,202 S.F. SHADING REQUIRED  
 7 CANOPY TREES \* 707 S.F./TREE = 4,949 S.F. SHADE PROPOSED  
 5 SMALL SHADE TREE \* 314 S.F./TREE = 1,570 S.F. SHADE PROPOSED  
 TOTAL SHADE PROPOSED = 6,519 S.F.

- LEGEND**
- ⊖ = EXISTING IRON PIPE
  - ⊕ = CENTERLINE
  - ⊞ = CONTROL MONUMENT
  - ⊙ = FOUND IRON ROD
  - ⊚ = SET SURVEY NAIL
  - ⊛ = BENCHMARK
  - ⊜ = WATER METER
  - ⊝ = OVERHEAD POWER
  - ⊞ = POWER POLE
  - ⊛ = LIGHT POST
  - ⊞ = HEDGE ROW
  - G = GROUND
  - P/V/T = PAVEMENT
  - FL = FLOW LINE
  - TC = TOP OF CURB
  - E/P = EDGE OF PAVEMENT
  - WM = WATER METER

- NOTES:**
- LANDSCAPING SHOWN ON THIS PLAN SHALL BE MAINTAINED IN COMPLIANCE WITH CITY LANDSCAPING ORDINANCE
  - TREES SELECTED FOR PLANTING MUST BE FREE FROM INJURY, PESTS, DISEASE, NUTRITIONAL DISORDERS OR ROOT DEFECTS, AND MUST BE OF GOOD VIGOR, SO AS TO ASSURE A REASONABLE EXPECTATION OF SURVIVABILITY.
  - ALL TREES TO BE BALLED AND BURLAPPED WHEN SHIPPED TO THE SITE FOR PLANTING.
  - TREES TO BE A MINIMUM OF 10' IN HEIGHT AT TIME OF PLANTING.
  - ALL DISTURBED GROUND SHALL HAVE GROUND COVER OF MULCH AND/OR GRASSING.
  - SOD SHALL ST. AUGUSTINE UNLESS OTHERWISE SPECIFIED BY OWNER.
  - IRRIGATION SHALL BE PROVIDED.

- No plantings over thirty (30) inches in height allowed in vision clearance.
- Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
- Owner is responsible for maintenance to ensure plant material lives and prospers.
- Planting plans shall be approved by Landscape Designer prior to installation.
- Landscaping shall be required at the ends of all parking rows.
- A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
- Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
- A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
- For recommended Plant List see "Landscape" T-10.4.

**Plant List:**

Botanical Name	Common Name	Key	Size - Units	Quantity	Spacing
<b>Groundcover</b>					
	DIRECTED BY OWNER	SOD	4,741 S.F.		
<b>Shrubs</b>					
Muhlenbergia capillaris 'White Cloud'	White Muhly Grass	W.M.G.	3 gallon/18" high	97	3' o.c.
Muhlenbergia capillaris	Pink Muhly Grass	P.M.G.	3 gallon/18" high	224	3' o.c.
Azalea x 'Conlee'	Azalea Autumn Amethyst	A.A.	3 gallon/24" high	162	3' o.c.
Camellia Sasanqua 'Yuletide'	Sasanqua Camellia	S.C.	3 gallon/36" high	29	3' o.c.
Ilex crenata 'Sky Pencil'	Sky Pencil Holly	S.P.H.	7 gallon/36" high	10	4' o.c.
Ilex cornuta burfordii nana	Dwarf Burford Holly	D.B.H.	3 gallon/24" high	12	3' o.c.
<b>Trees</b>					
Ulmus parvifolia	Lacebark Elm	L.E.	Multi-trunk	5	SEE PLAN
Quercus phellos	Willow Oak	W.O.	2" Caliper	2	SEE PLAN
Quercus palustris	Pin Oak	P.O.	2" Caliper	5	SEE PLAN

**OLEANDER DRIVE**  
 US HIGHWAYS # 74 & 76 (100' PUBLIC R/W)

NOW OR FORMERLY  
 GST EXEMPT FAMILY TRUST ETAL  
 ZONING: CB  
 LAND USE: NEIGHBORHOOD RETAIL

NOW OR FORMERLY  
 U.S. POSTAL SERVICE  
 ZONING: CB  
 LAND USE: GOVERNMENT

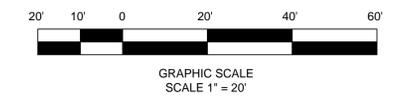
DATE: APRIL 2008  
 DRAWN BY: JMK  
 CHECKED BY: B.P., P.E.  
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STANDARD DETAIL  
 LANDSCAPE NOTES

CITY OF WILMINGTON  
 NORTH CAROLINA  
 CITY OF WILMINGTON ENGINEERING  
 PO BOX 1810  
 WILMINGTON, NC 28402  
 (910) 341-7807

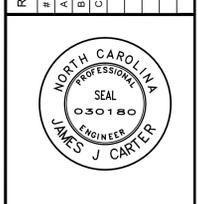
SD 15-14

**811** Know what's below  
 Call before you dig  
 dial 811



**REVISION BLOCK:**

#	DATE	DESCRIPTION
A	11/15/13	INITIAL SUBMITTAL
B	12/22/13	ADDRESS COMMENTS
C	1/3/14	ADDRESS COMMENTS



Carter Engineering Consultants, Inc.  
 1551 Jennings Mill Rd  
 Building 500, Suite B  
 Bogart, GA 30622  
 P: 706.559.7430  
 F: 706.559.7435  
 www.carterengineering.net

**SITE DEVELOPMENT PLANS**  
 for  
**MB ONE CAPITAL, LLC**  
 3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

PROJECT NAME:  
**ZAXBY'S**  
**OLEANDER**

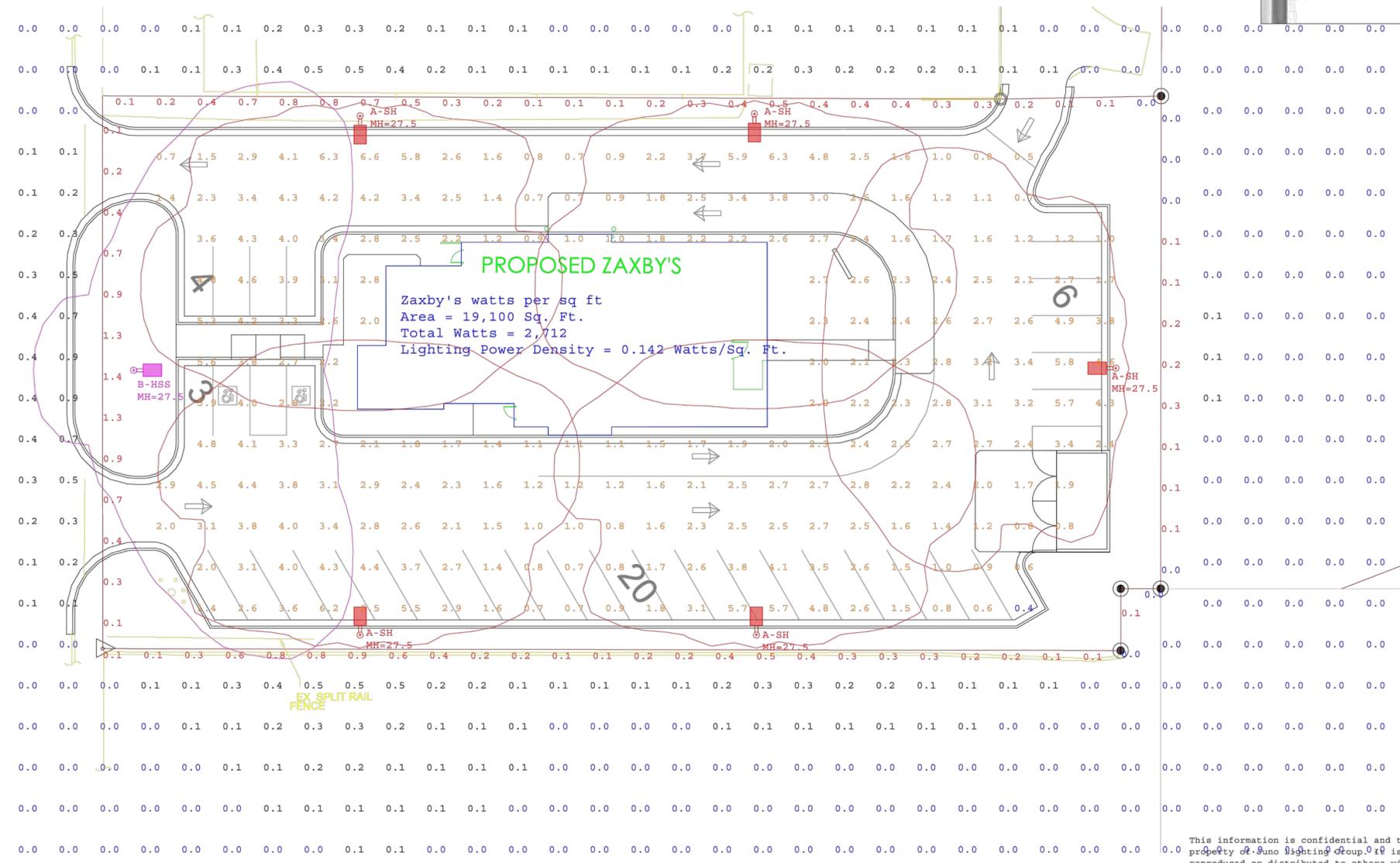
SHEET TITLE:  
**LANDSCAPE PLAN**

SHEET NUMBER:  
**12**

PROJECT NUMBER:  
**13834ZAX**  
 DATE:  
**11/15/13**

Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
Parking lot	2.59	6.6	0.4	6.48	16.50
Property line	0.34	1.4	0.0	N.A.	N.A.
Beyond prop lin	0.04	0.9	0.0	N.A.	N.A.

Luminaire Schedule					
Qty	Label	Description	Lumens	LLF	Symbol
5	A-SH	AP2-400PS-QT-FT-SH	40000	0.750	
1	B-HSS	AP2-400PS-QT-3H-HSS	40000	0.750	



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 Brampton, Ontario  
 L6S 6B6  
 Tel: (905) 792-7335  
 email: ljorge@junolightinggroup.com  
 junolightinggroup.com

Client:  
 EFFICIENCY 3 LTG  
 MICHELLE RILEY

Project:  
 ZAXBY'S WILMINGTON NC  
 PARKING LOT LIGHTING  
 MAINTAINED HORIZONTAL FC  
 SHOWN AT GRADE LEVEL

Scale:  
 Date: 2013-11-15  
 Project No:  
 13-319-ELC1 (3576)  
 Drawn by: LJ

The calculation and results thereof, shown in this report, are based on information provided by the customer. The output figures are only as accurate as the input data. Therefore design parameters such as room reflectances, size, mounting height, depreciation factors, orientation and tilt must be verified. Juno Lighting Group disclaims all implied warranties with regard to actual installed light levels as compared to those calculated based on inaccurate or incomplete data.

REVISION BLOCK	
#	DESCRIPTION
A	11/15/13 INITIAL SUBMITTAL
B	12/27/13 ADDRESS COMMENTS
C	1/9/14 ADDRESS COMMENTS



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SITE DEVELOPMENT PLANS  
 for  
 MB ONE CAPITAL, LLC  
 3913 OLEANDER DRIVE, CITY OF WILMINGTON, NORTH CAROLINA

PROJECT NAME:  
**ZAXBY'S**  
 OLEANDER

SHEET TITLE:  
 OUTDOOR LIGHTING PLAN

SHEET NUMBER:  
**13**

PROJECT NUMBER:  
 13834ZAX

DATE:  
 11/15/13