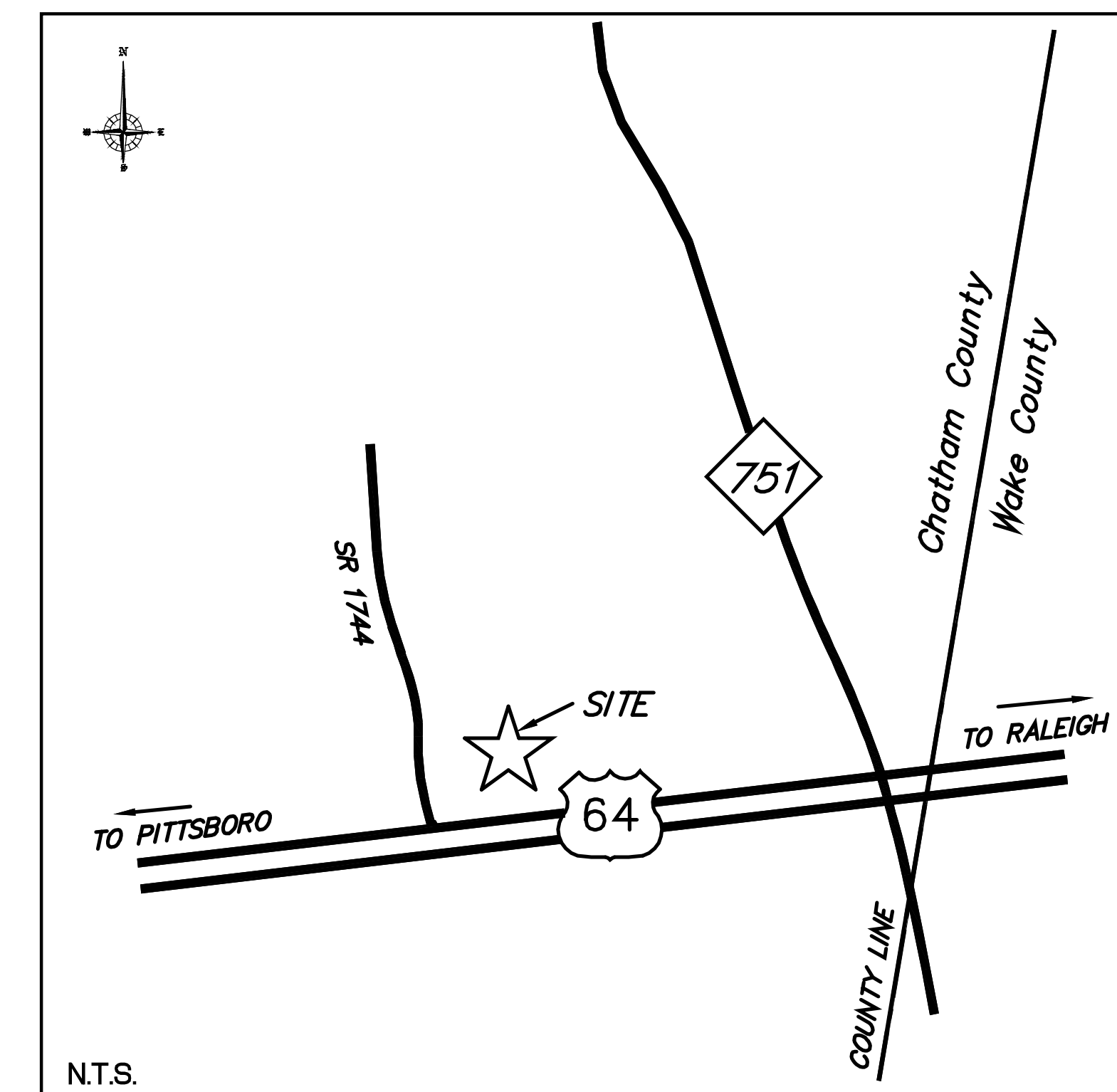


Kunal Enterprises, LLC – Hwy 64 Storage Site

Project Location: 12820 Jordan Lake Commons Drive
Apex, NC 27523
Chatham County, NC
PIN# 0712-15-7130
Parcel# 70029

Project Owner: Kunal Enterprises, LLC
c/o George Farrell
210 Joseph Pond Lane
Cary, NC 27519
919-417-1417

Project Consultant: Kevin Davidson, P.E.
kdavidson@agriwaste.com
Scott Jones, E.I.T.
sjones@agriwaste.com
Agri-Waste Technology, Inc.
501 N. Salem Street, Suite 203
Apex, NC 27502
(919) 859-0669
(919) 233-1970 Fax



VICINITY MAP

Sheet Index

- Sheet 1: Cover Sheet
- Sheet 2: Site Plan
- Sheet 3: Landscape Plan
- Sheet 4: Lighting Plan
- Sheet 5: Stormwater Routing Plan
- Sheet 6: Existing Site Topography
- Sheet 7: General Grading Plan

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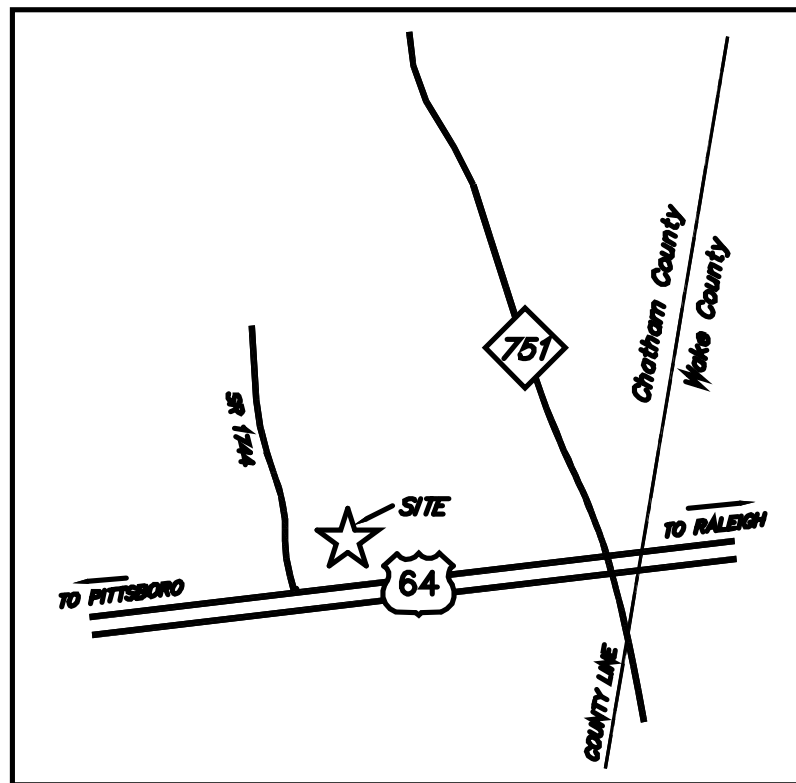
PRELIMINARY DESIGN
NOT RELEASED FOR CONSTRUCTION

REV.	ISSUED DATE	DESCRIPTION
1.)	9/24/2014	Rev. per Chatham County Comments

SHEET TITLE
Cover Sheet

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-1



VICINITY MAP

THIS SURVEY WAS BALANCED USING THE COMPASS RULE ADJUSTMENT.
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 AREA DETERMINED USING D.M.D. METHOD.

REFERENCES: PLAT SLIDE 2004-358

CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON AN ASSUMED ELEVATION (100.00').
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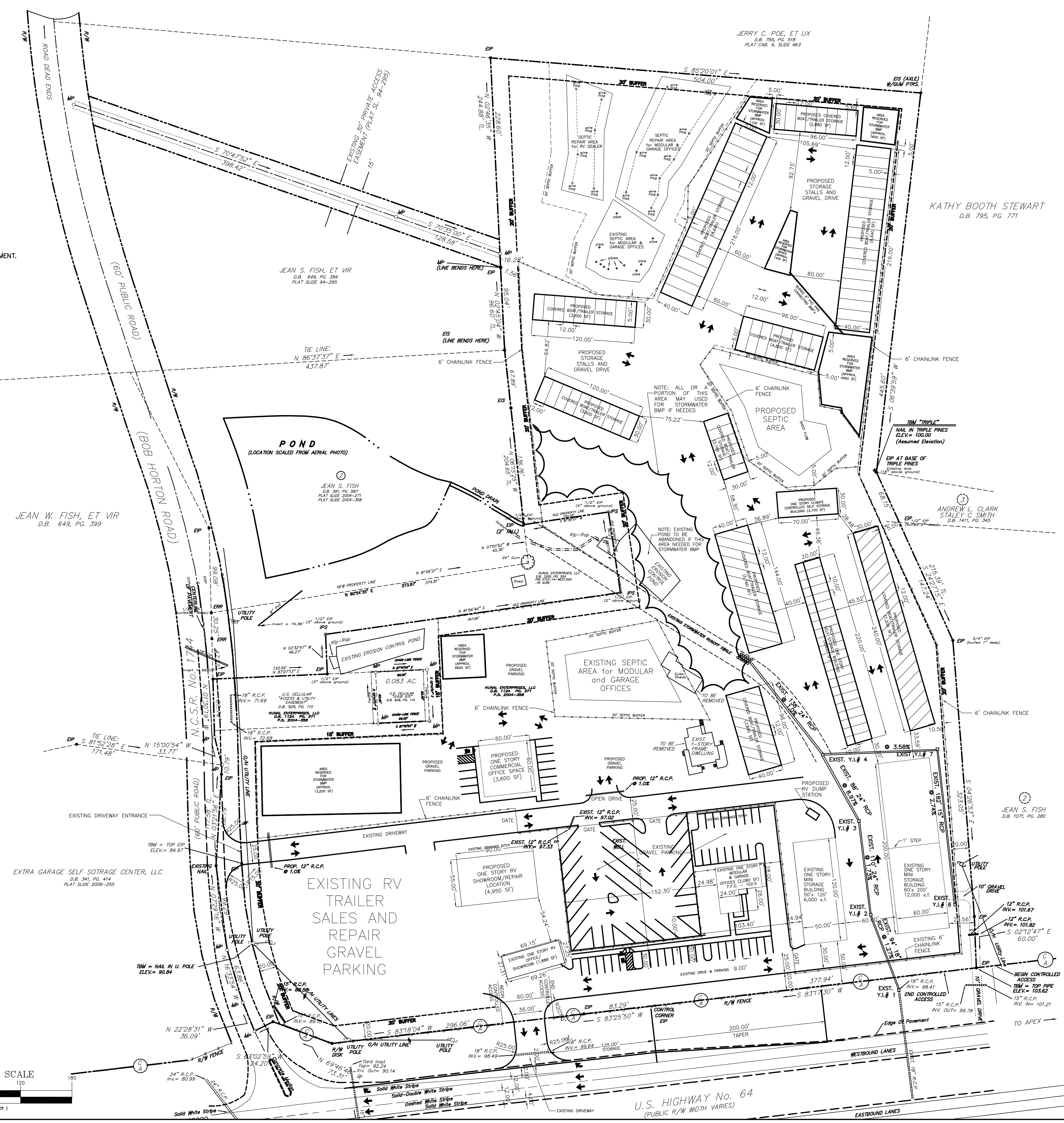
NOTES:

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(b) NO TITLE SEARCH HAS BEEN PERFORMED BY THIS FIRM DURING THE COURSE OF THIS SURVEY.

(c) THIS SURVEYOR DOES NOT CERTIFY TO THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITIES THAT MAY OR MAY NOT BE PRESENT ON THIS SITE.

PROPERTY REFERENCES
 DB 547, PG 679
 DB 621, PG 727
 DB 817, PG 1003
 PLAT SLIDE 93-286
 PLAT SLIDE 2000-20
 PLAT SLIDE 2003-264



SITE INFORMATION TABLE	
Property Owner	Kunal Enterprises, LLC
Property Owner Address	210 Joseph Pond Lane, Cary, NC 27519
Property Address	12820 Jordan Lake Commons Drive, Apex, NC 27523
Parcel Number	70029
Planning Jurisdiction	Chatham County
Floodplain	Site does not contain a FEMA designated 100-year Floodplain per FIRM Panel #3720071200K
Property Zoning	CU-B-1 (Conditional Use Business District)
Property Watershed District	Lower New Hope Arm of Jordan Lake (WS-IV PA)
Adjacent Properties Zoning	R 1 (Residential District)
Adjacent Properties Overlay District	University Lake Protected Watershed Overlay District
Current Property Use	Commercial
Lot Size	15.34-acres
Off-Site Designated Preserved PerVIOUS Area	17.83-acres (Marshall Road Site - Parcel No. 69707)
On-site and designated off-site	33.17-acres
Impervious Surface Area	11.81-acres
% Impervious	35.00%
Allowable % Impervious	36.00%
Disturbed Area	12.39-acres

- NOTES**
- BOUNDARY INFORMATION TAKEN FROM MAP PREPARED BY SMITH & SMITH SURVEYORS AND DATED 4/07/2004.
 - TOPOGRAPHIC INFORMATION INTERPOLATED FROM U.S.G.S QUAD SHEETS.
 - ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT CHATHAM COUNTY STANDARDS, SPECIFICATIONS AND DETAILS.
 - CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR CONSTRUCTION SHOWN ON THESE PLANS.
 - ALL DIMENSIONS AND STAKING POINT LOCATIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
 - ANY WORK SHOWN ON THESE PLANS THAT IS FOUND TO BE IN CONFLICT WITH THE CHATHAM COUNTY ZONING AND SETBACK REQUIREMENTS SHALL BE IMMEDIATELY REPORTED TO THE LANDSCAPE ARCHITECT FOR ADJUSTMENT.
 - LOCATIONS FOR EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO SAME.
 - CONTRACTOR SHALL AT ALL TIMES MAINTAIN ADEQUATE SAFETY MEASURES, ACTIVITIES, AND BARRICADES FOR THE PROTECTION OF ALL PERSONS ON OR ABOUT THE LOCATION OF THE SITE.
 - CONTRACTOR SHALL PAINT SYMBOLS, INSTALL STAKES AND CONSTRUCT NECESSARY RAMPS, AS PER THE NORTH CAROLINA STATE BUILDING CODE, FOR ALL HANDICAP PARKING SPACES AS NOTED ON PLAN.
 - CONTRACTOR SHALL DELINEATE PARKING SPACES, HANDICAP SYMBOLS, DIRECTIONAL ARROWS, LANE MARKINGS, "STOP" MESSAGES, ETC. AS SHOWN ON THE PLANS WITH TRAFFIC MARKING PAINT ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. USE WHITE PAINT.
 - CALL NORTH CAROLINA ONE CALL CENTER @ 1-800-632-4949 BEFORE DIGGING.
 - THIS SITE IS NOT WITHIN A 100' YEAR FLOODWAY FRINGE AREA.
 - NO ADDITIONAL STORAGE WILL BE ADDED TO THE PROPERTY.
 - ALL PROPERTY LIGHTING SHALL CONFORM WITH SECTION 13 OF THE CHATHAM COUNTY ZONING ORDINANCE.

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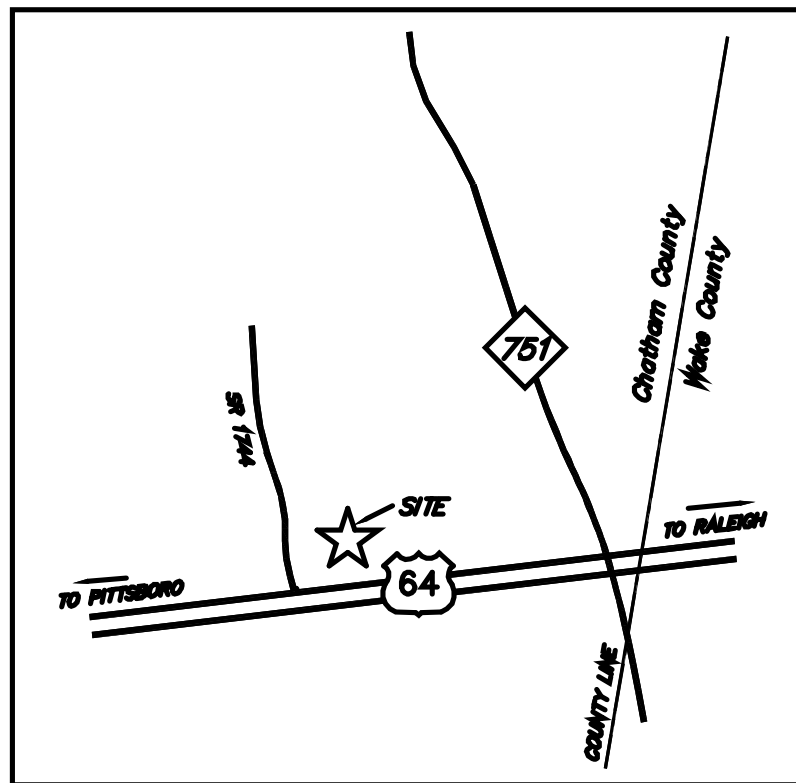
PRELIMINARY DESIGN
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REV.	ISSUED DATE	DESCRIPTION
1.)	9/24/2014	Rev. per Chatham County Comments

SHEET TITLE
 Site Plan

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-2



VICINITY MAP

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REFERENCES: PLAT SLIDE 2004-358

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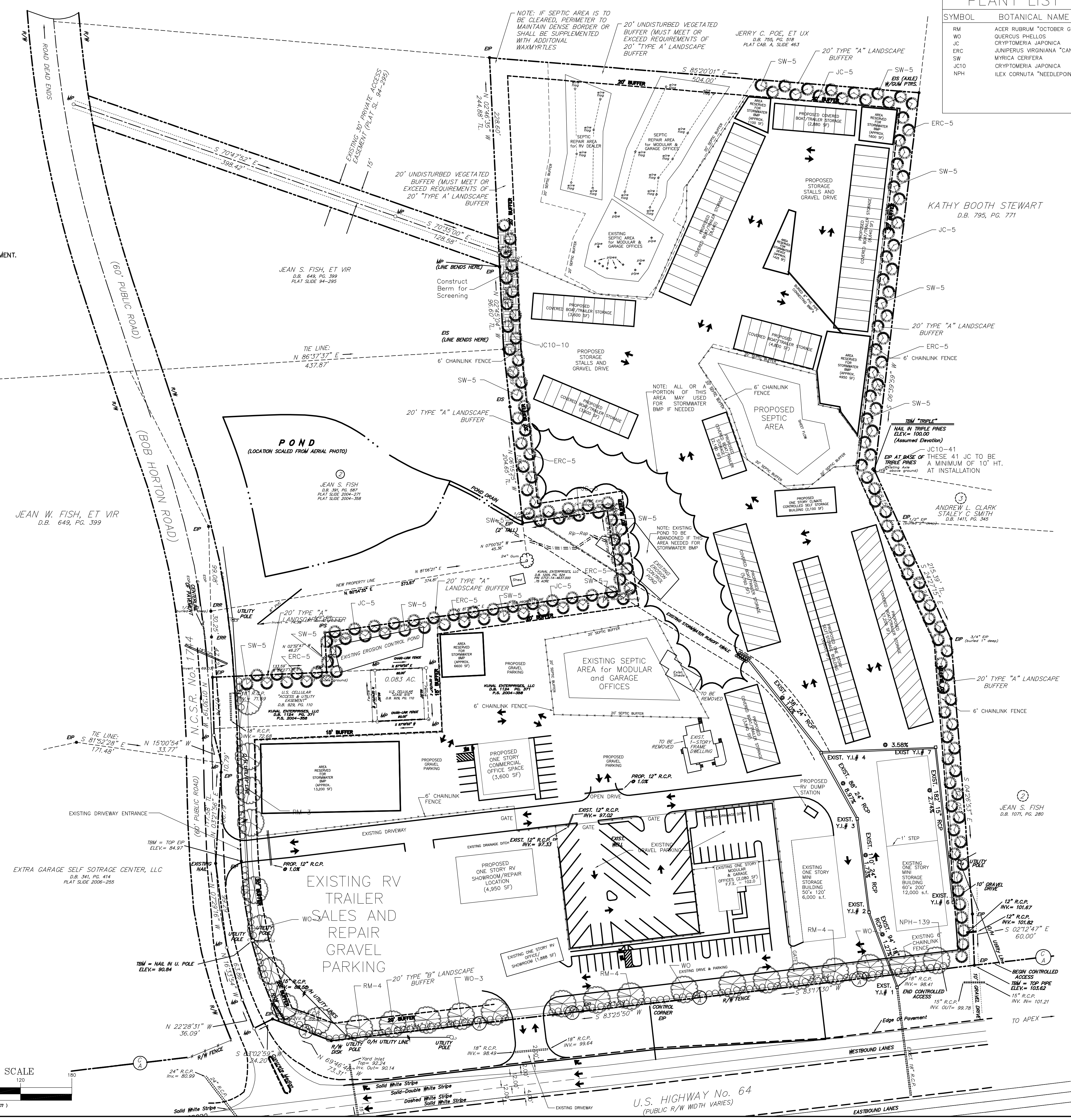
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 - Concrete Monument Set
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PROPERTY REFERENCES

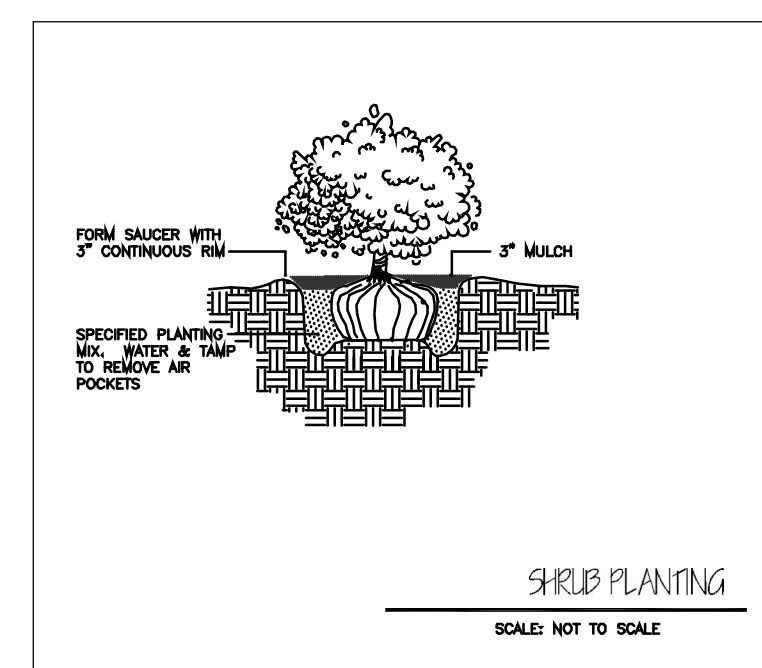
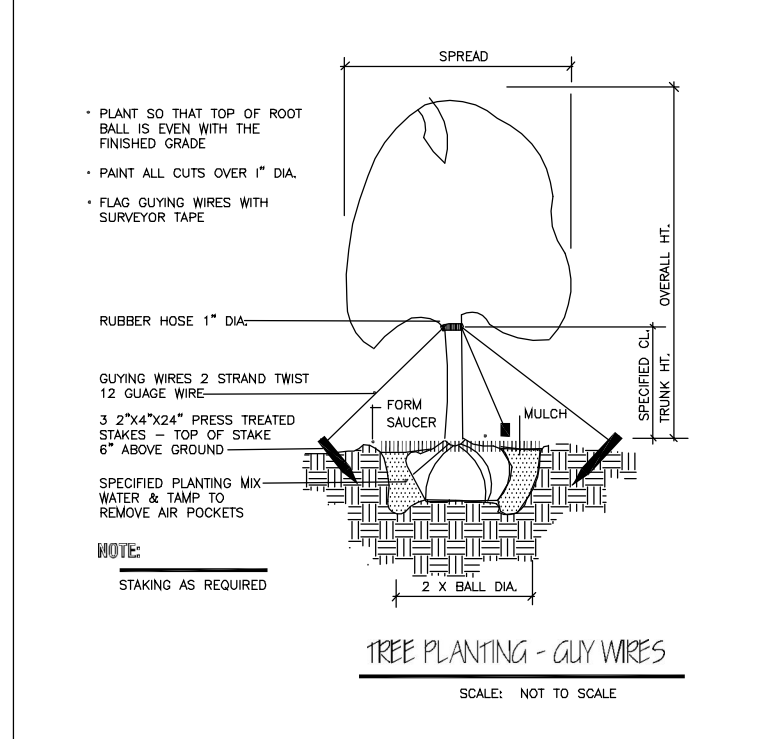
DB 547, PG 679
 DB 621, PG 727
 DB 817, PG 1003
 PLAT SLIDE 93-286
 PLAT SLIDE 2000-20
 PLAT SLIDE 2003-264



PLANT LIST					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	REMARKS
RM	ACER RUBRUM "OCTOBER GLORY"	OCTOBER GLORY RED MAPLE	2 1/2" CAL.	15	8' MIN. HT. B. & B.
WC	QUERCUS PHELLOS	WILLOW OAK	2 1/2" CAL.	10	8' MIN. HT. B. & B.
JC	CRYPTOMERIA JAPONICA	JAPANESE CEDAR	8' HT.	25	8' MIN. HT. B. & B.
ERC	JUNIPERUS VIRGINIANA "CANAERTH"	CANAERTH EASTERN RED CEDAR	8' HT.	30	8' MIN. HT. B. & B.
SW	MYRTICA CERIFERA	SOUTHERN WAXMYRTLE	8' HT.	60	8' MIN. HT. B. & B.
JC10	CRYPTOMERIA JAPONICA	JAPANESE CEDAR	10' HT.	51	10' MIN. HT. B. & B.
NPH	ILEX CORNUTA "NEEDLEPOINT"	NEEDLEPOINT CHINESE HOLLY	36" HT.	139	36" MIN. HT. CONT.

PLANTING NOTES & SPECIFICATIONS

1. ALL TREES AND SHRUBS HAVE BEEN LOCATED WITH RESPECT TO PROPOSED OR EXISTING FACILITIES. VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
2. ALL TREES, SHRUBS AND OTHER PLANTS SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN.
3. ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
4. PRUNING - THIN BRANCHES AND FOLIAGE OF DECIDUOUS TREES (NOT ALL END TIPS) BY 1/3, RETAINING NATURAL PLANT SHAPE. NEVER CUT A LEAF.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO PREVIOUS EXISTING GRADE.
6. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
7. MULCH ALL DISTURBED AREAS AND PLANT BEDS WITH 3" OF CLEAN PINE NEEDLES.
8. ALL ABOVE GROUND UTILITY DEVICES TO BE SCREENED WITH NEEDLEPOINT HOLLIES OR EQUAL EVERGREEN BY THE LANDSCAPE CONTRACTOR.
9. UNDISTURBED LANDSCAPE BUFFERS SHALL BE AMENDED WITH ADDITIONAL PLANTINGS AS NEEDED TO COMPLY WITH CHATHAM COUNTY STANDARDS FOR PROPERTY SCREENING.



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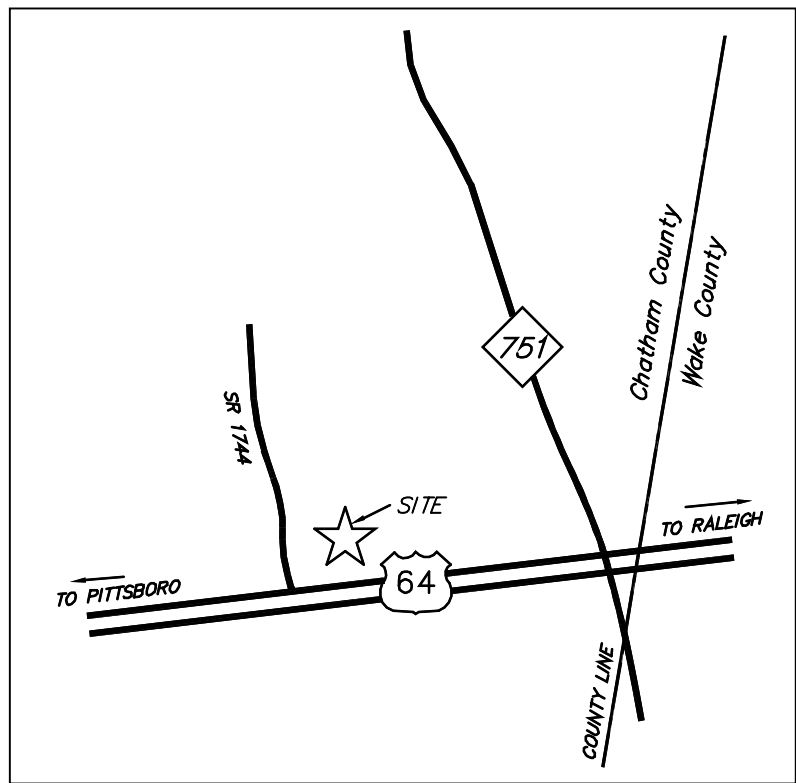
PRELIMINARY DESIGN
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REV.	ISSUED DATE	DESCRIPTION
1.)	9/24/2014	Rev. per Chatham County Comments

SHEET TITLE
 Landscape Plan

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-3



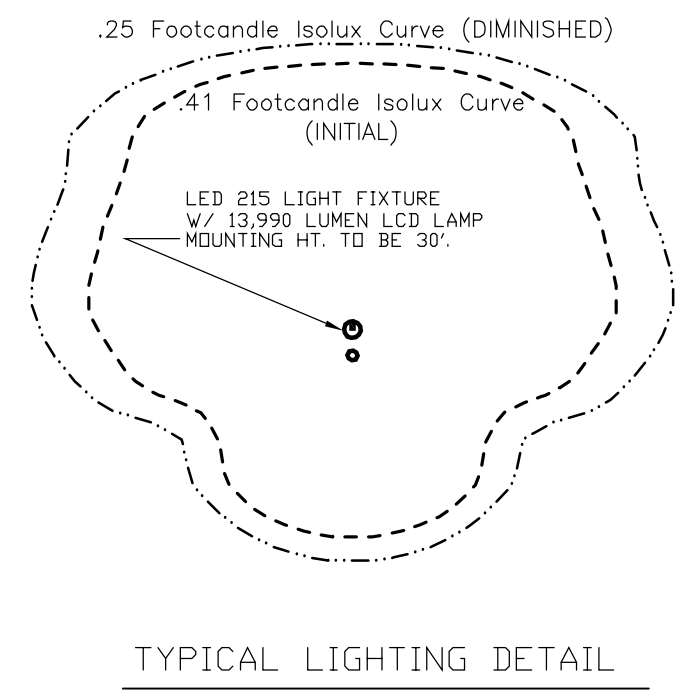
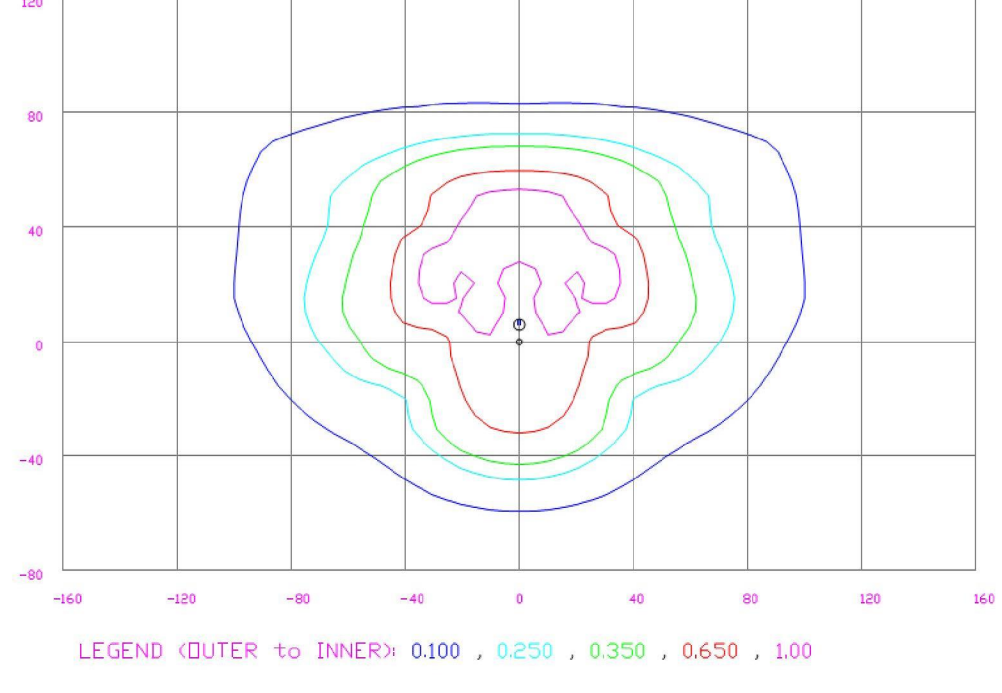
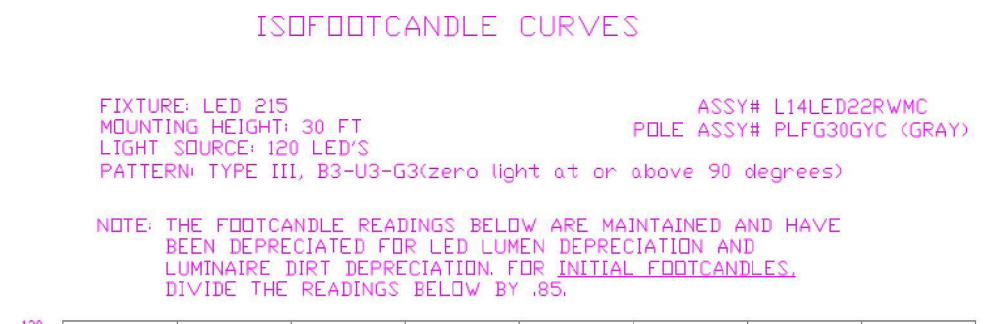
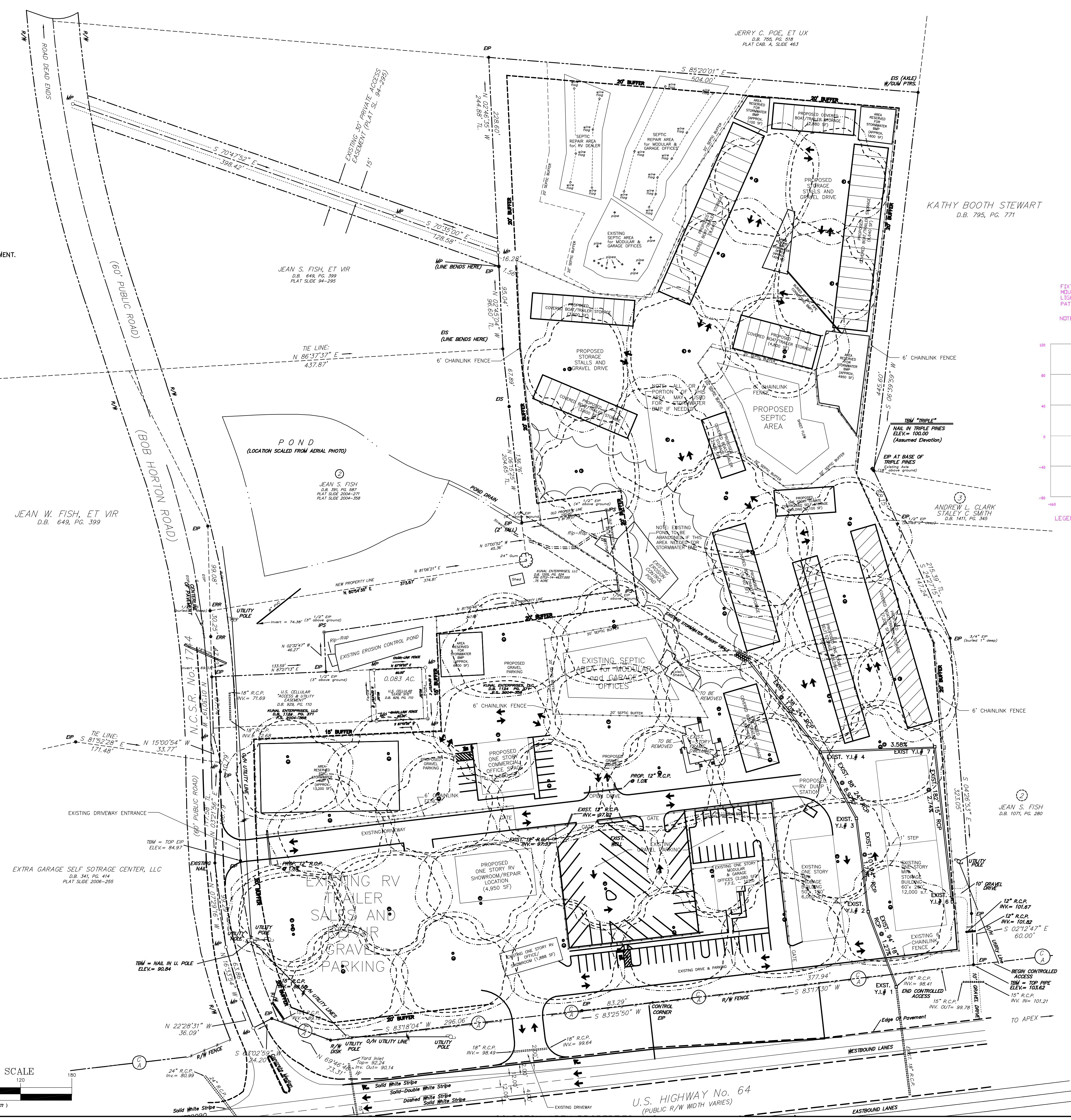
VICINITY MAP

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 AREA DETERMINED USING D.M.D. METHOD.
 REFERENCES: PLAT SLIDE 2004-358
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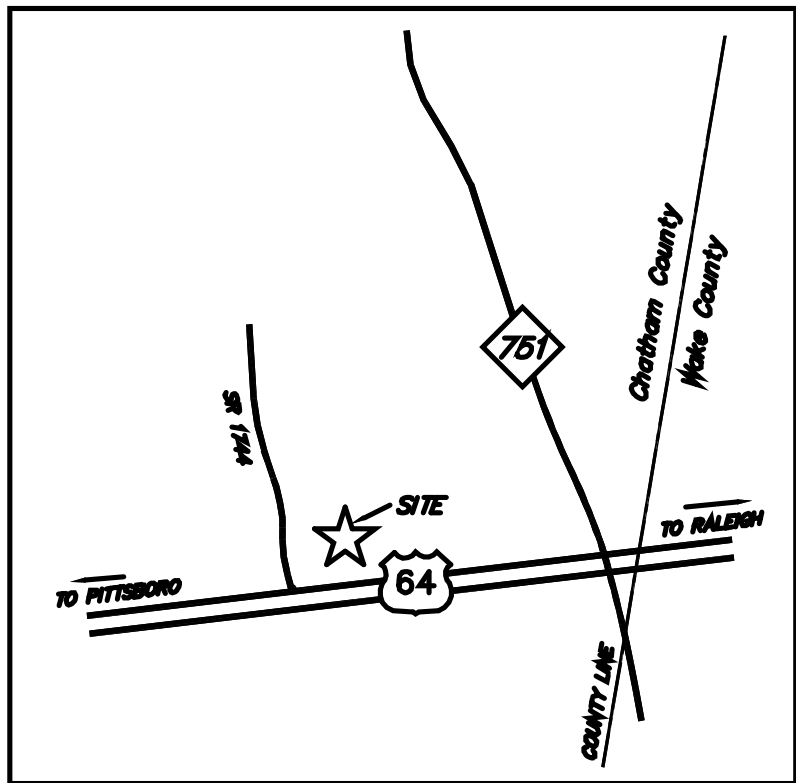
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SHEET TITLE
 Lighting Plan

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-4



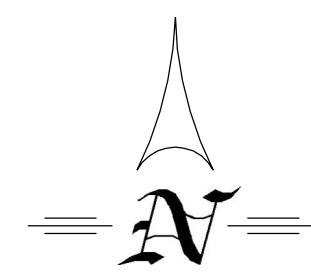
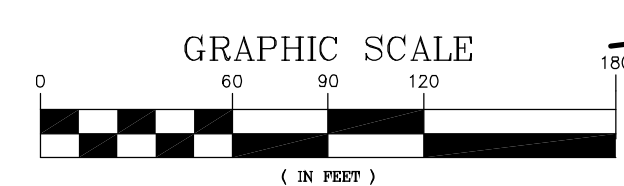
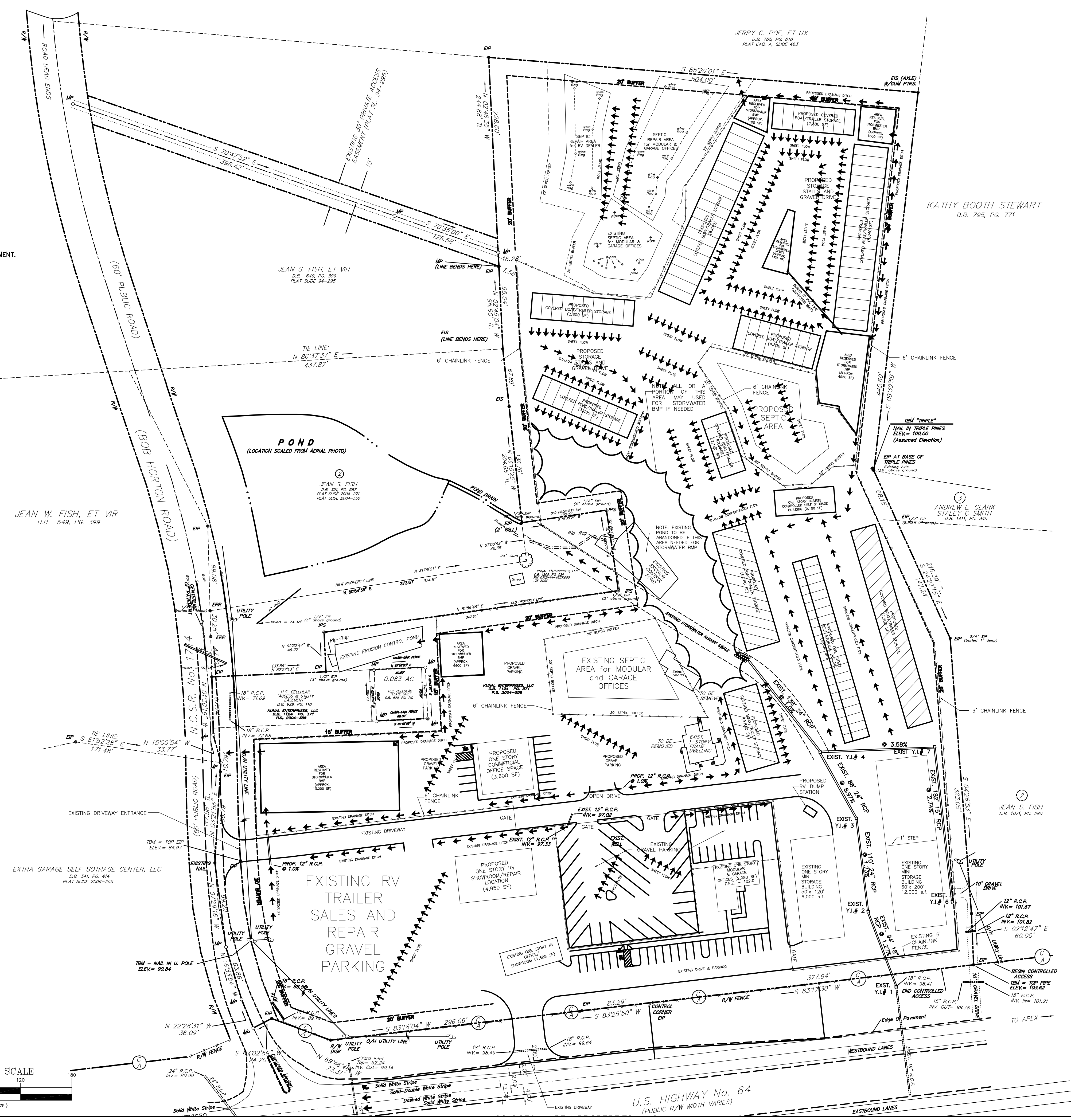
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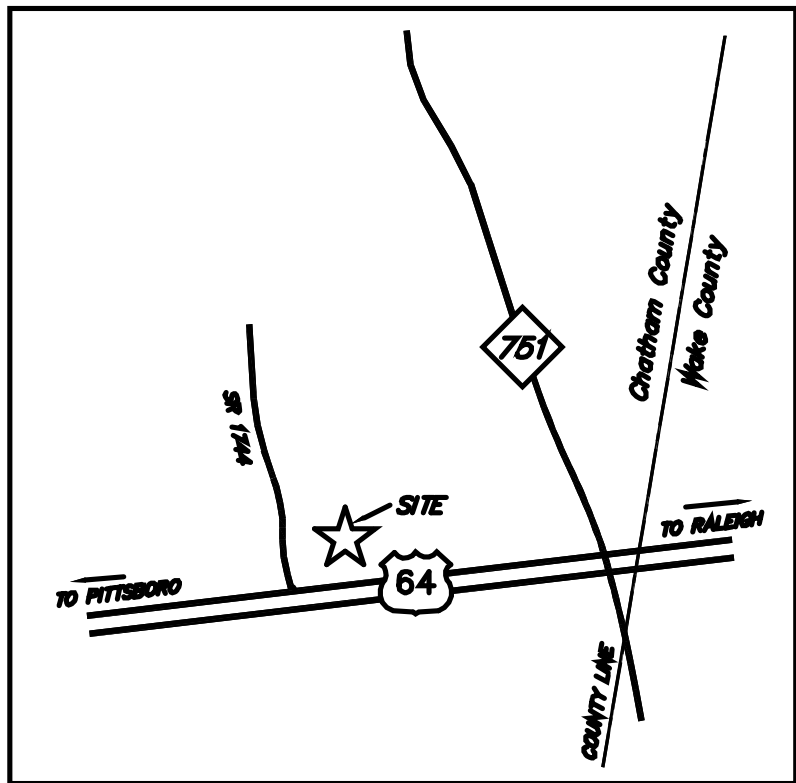
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REV.	ISSUED DATE	DESCRIPTION
1.)	9/24/2014	Rev. per Chatham County Comments

SHEET TITLE
 Stormwater Routing Plan

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-5



VICINITY MAP

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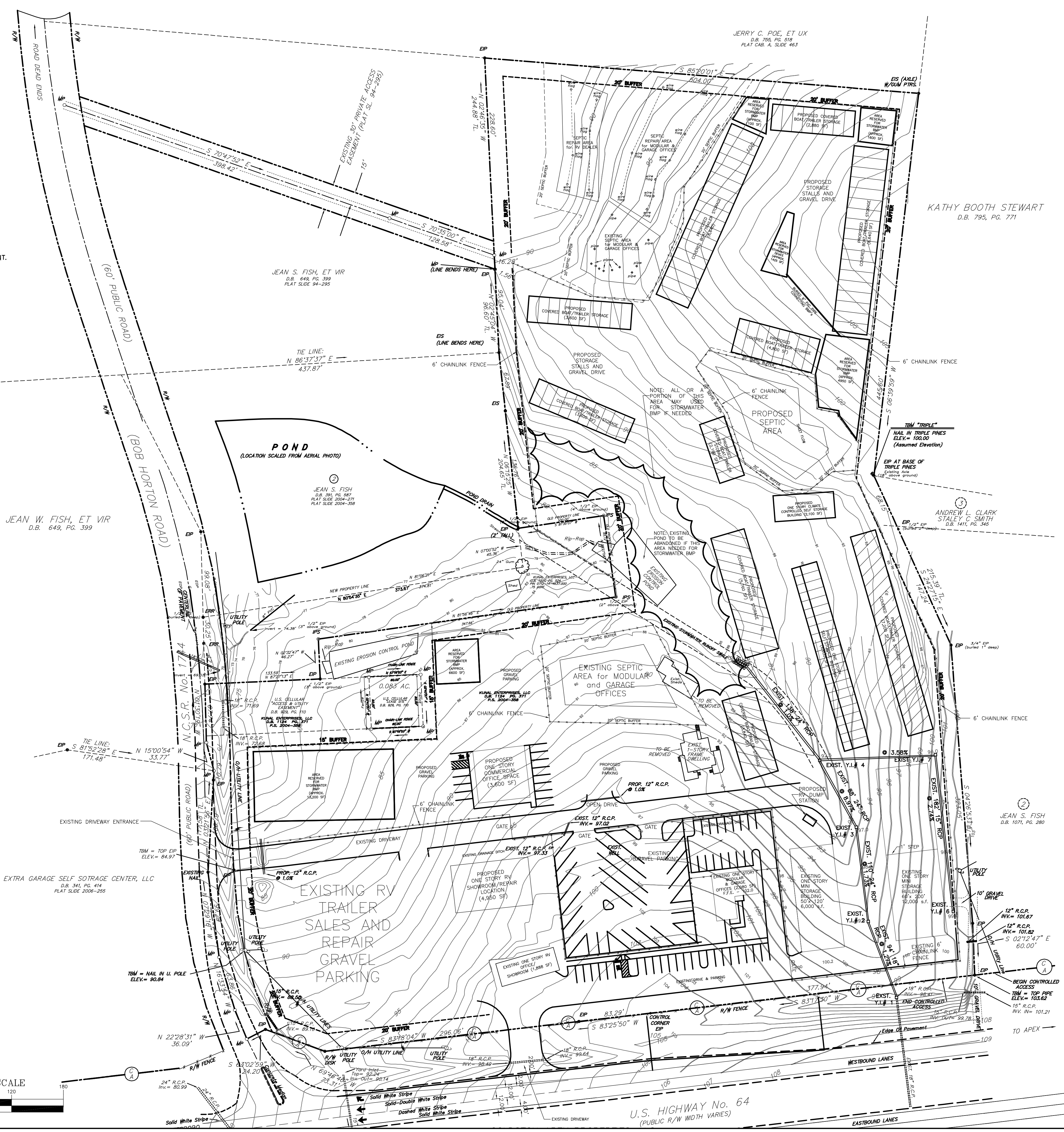
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 PLAT SLIDE 93-286
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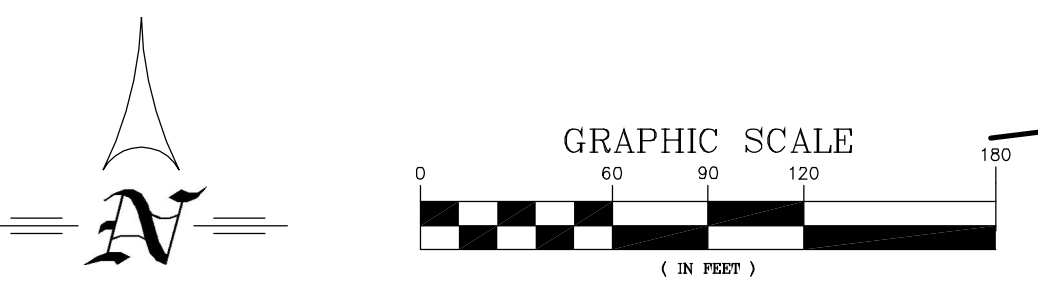
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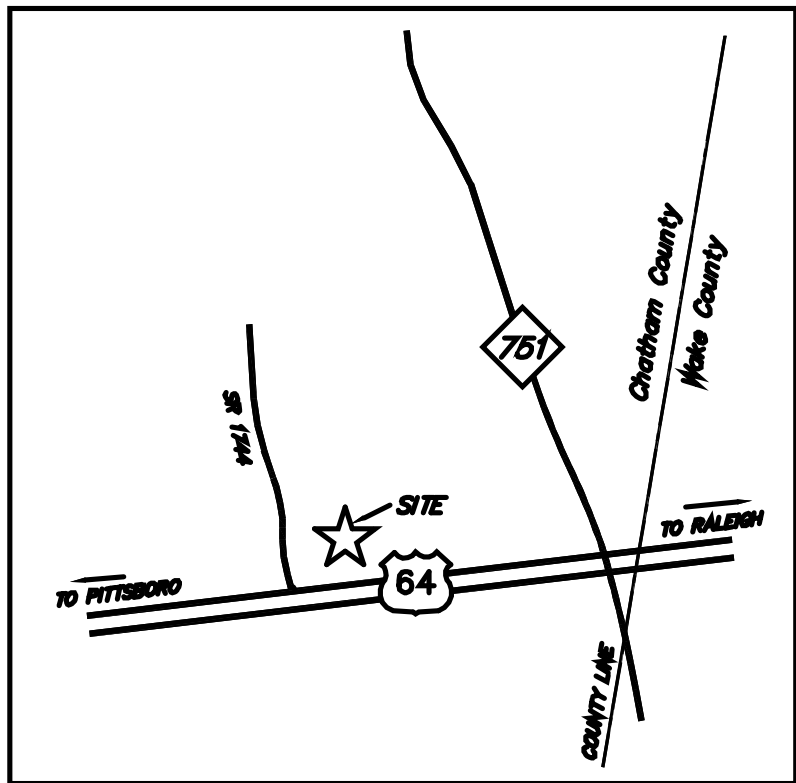
REV.	ISSUED DATE	DESCRIPTION
1.)	9/24/2014	Rev. per Chatham County Comments

SHEET TITLE
 Existing Site Topography

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-6





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 ALL DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS.
 AREA DETERMINED USING D.M.D. METHOD.

REFERENCES: PLAT SLIDE 2004-358

CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED ON AN ASSUMED ELEVATION (100.00').
 CONTOURS ARE AT ONE FOOT INTERVAL.

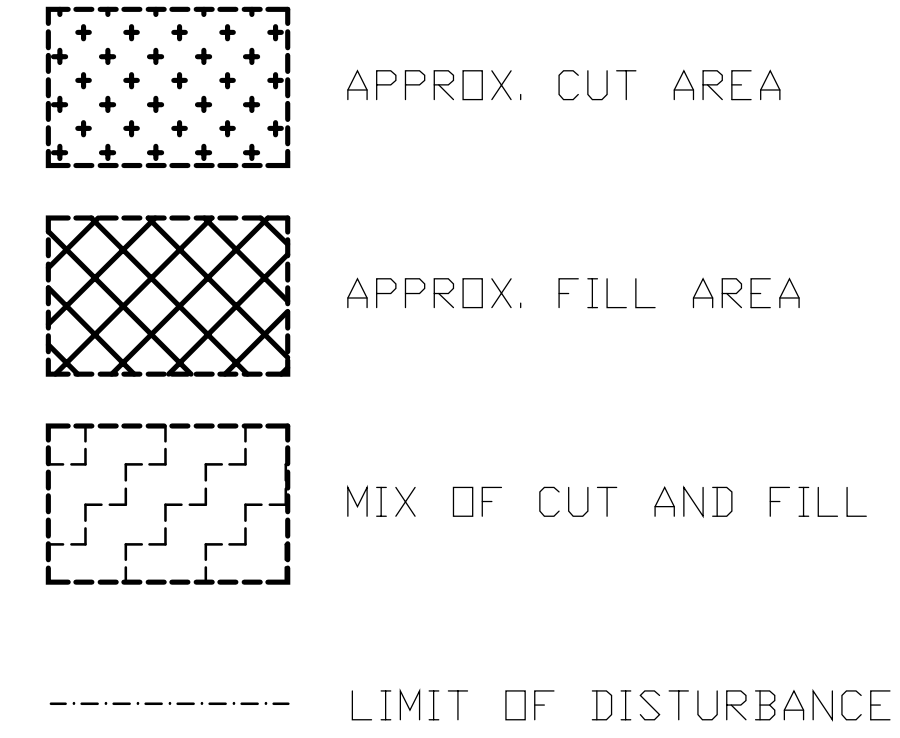
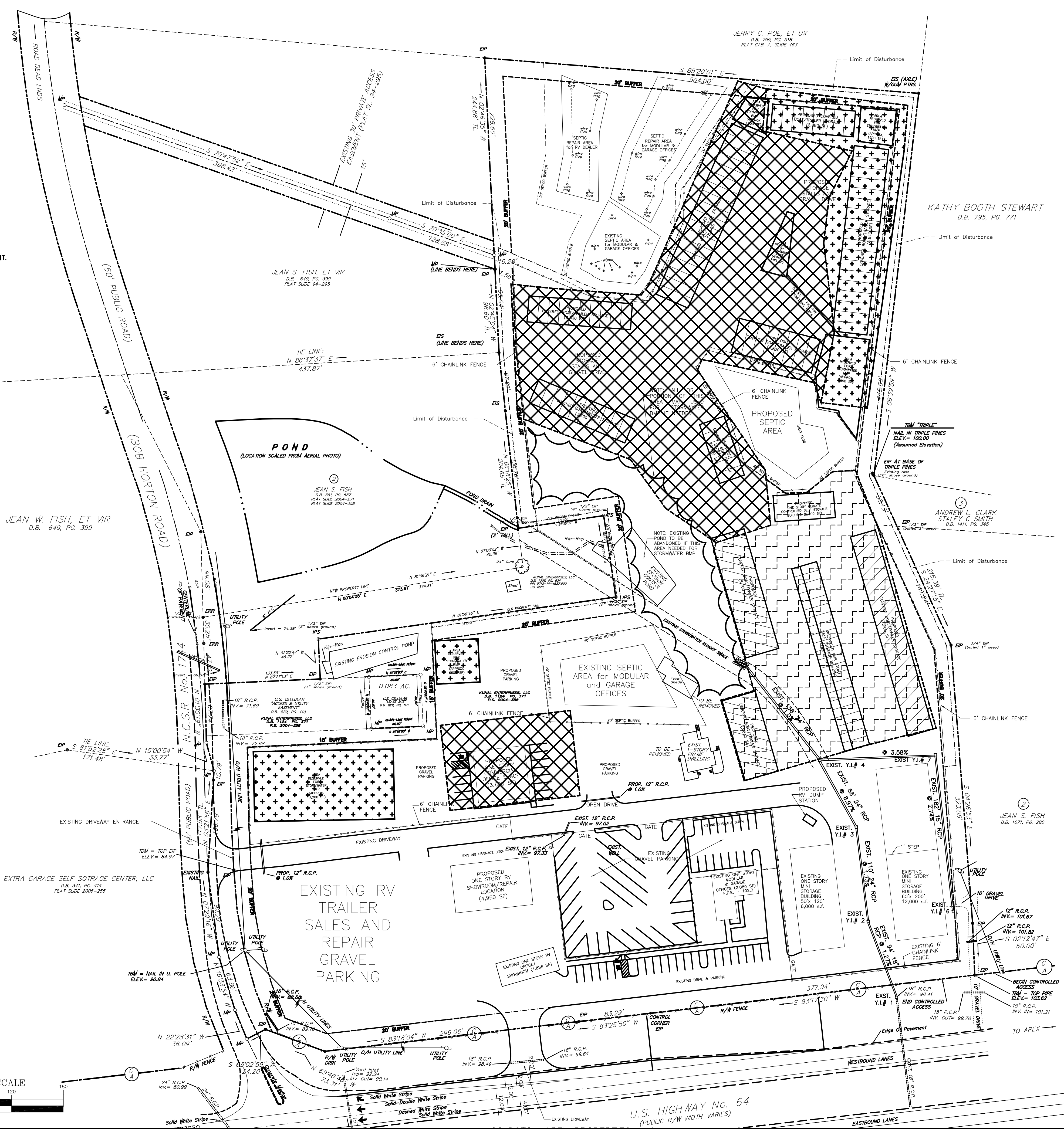
LEGEND

- EIP - Existing Iron Pipe
 - EIS - Existing Iron Stake
 - IPS - Iron Pipe Set
 - ECM - Existing Concrete Monument
 - CMS - Concrete Monument Set
 - P-K - Parker-Kolon Nail Set
 - NLF - 600 Nail Found
 - NLS - 600 Nail Set
 - ERR - Existing Railroad Spike
 - RRS - Railroad Spike Set
 - MP - Mathematical Point (Not Set)
- Existing Iron Pipe
 - Iron Pipe Set (Unless Otherwise Designated)
 - ▲ 600 Nail Found
 - △ 600 Nail Set
 - Existing Concrete Monument
 - Concrete Monument Set
 - ⊙ Controlled Access

NOTES:

- (a) THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD AFFECTING SAME.
- (b) NO TITLE SEARCH HAS BEEN PERFORMED BY THIS FIRM DURING THE COURSE OF THIS SURVEY.
- (c) THIS SURVEYOR DOES NOT CERTIFY TO THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITIES THAT MAY OR MAY NOT BE PRESENT ON THIS SITE.

PROPERTY REFERENCES
 DB 547, PG 679
 DB 621, PG 727
 DB 817, PG 1003
 PLAT SLIDE 93-286
 PLAT SLIDE 2000-20
 PLAT SLIDE 2003-264



AWT
 Engineers and Soil Scientists
 Agri-Waste Technology, Inc.
 501 N. Salem Street, Suite 203
 Apex, North Carolina 27502
 919-859-0669
 www.agriwaste.com

Kunal Enterprises, LLC
 Hwy. 64 Storage Site

Owner Information:
 Kunal Enterprises, LLC
 c/o George Farrell
 210 Joseph Pond Lane
 Cary, NC 27519
 919-417-1417
 gfarrrjr@aol.com

Property Information:
 12820 Jordan Lake Commons Dr.
 Apex, NC 27523
 Chatham County
 PIN# 0712-15-7130
 Parcel# 70029

PROFESSIONAL ENGINEER SEAL

This document originally issued and sealed by Kevin Davidson, #024582, on September 24, 2014. This medium shall not be considered a certified document.

PRELIMINARY DESIGN
 NOT RELEASED FOR CONSTRUCTION

REV.	ISSUED DATE	DESCRIPTION
1.)	9/24/2014	Rev. per Chatham County Comments

SHEET TITLE
 General Grading Plan

DRAWN BY: Scott Jones	CREATED ON: 8/5/2014
REVISED BY: Scott Jones	REVISED ON: 9/24/2014
RELEASED BY:	RELEASED ON:

DRAWING NUMBER
SP-7