

- ### General Notes:
- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:
 - "ALTA/ASCM LAND TITLE SURVEY", PREPARED BY ROBERT MURPHY, PLLC FOR CROSLAND SOUTHEAST, LAST REVISED.
 - "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING ANALYSIS" PREPARED BY ECS CAROLINAS, LLP, DATED MARCH 29, 2016.
 - "PHASE I ENVIRONMENTAL SITE ASSESSMENT" PREPARED BY ECS CAROLINAS, LLP, DATED DECEMBER 29, 2015 ; ECS PROJECT NUMBER: 22-23657.
 - "TRAFFIC IMPACT ANALYSIS - EMERALD ISLE COMMERCIAL DEVELOPMENT" PREPARED BY SEPI ENGINEERING CONSTRUCTION, DATED MARCH 2016.
 - PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT HE / SHE HAS THE LATEST EDITION OF THE SITE PLAN AND THE DOCUMENTS REFERENCED ABOVE.
 - ALL ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE OR THE REQUIREMENTS OF THE JURISDICTION WHERE THIS PROJECT IS TO BE CONSTRUCTED.
 - PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
 - THE OWNER / CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE REQUIREMENTS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION OVER THIS PROJECT.
 - THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE PART OF THE REQUIRED CONSTRUCTION DOCUMENTS, AND, IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
 - THESE PLANS ARE BASED ON INFORMATION PROVIDED TO ARK CONSULTING GROUP, PLLC BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARK CONSULTING GROUP, PLLC IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER ONSITE FEATURES.
 - ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS AND GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO THE GIVING OF SUCH NOTIFICATION AND THE ENGINEER'S WRITTEN AUTHORIZATION OF SUCH ADDITIONAL WORK.
 - CONTRACTOR SHALL REFER TO THE ARCHITECTURAL / BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY / EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
 - PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE SITE PLAN AND LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER OF ANY DISCREPANCIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB & GUTTER. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY SHALL RESTORE SUCH CONNECTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE EXISTING CONDITIONS, AND IN CONFORMANCE WITH APPLICABLE CODES. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
 - THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, NOR IS THE ENGINEER RESPONSIBLE FOR ANY CONFLICTS OR SCOPE REVISIONS WHICH RESULT FROM THE SAME. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

NOT RELEASED FOR CONSTRUCTION

DATE: 07-22-16
COMMENTS: ISSUED FOR SITE & STORMWATER PLAN REVIEW
08-11-16 REVISED PER INDOT AND TOWNTIC COMMENTS

REVISIONS:

CROSLAND SOUTHEAST

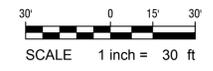
EGRET LANDING SHOPPING CENTER
EMERALD DRIVE & EMERALD LANDING DRIVE
EMERALD ISLE, CARTERET CO., NORTH CAROLINA

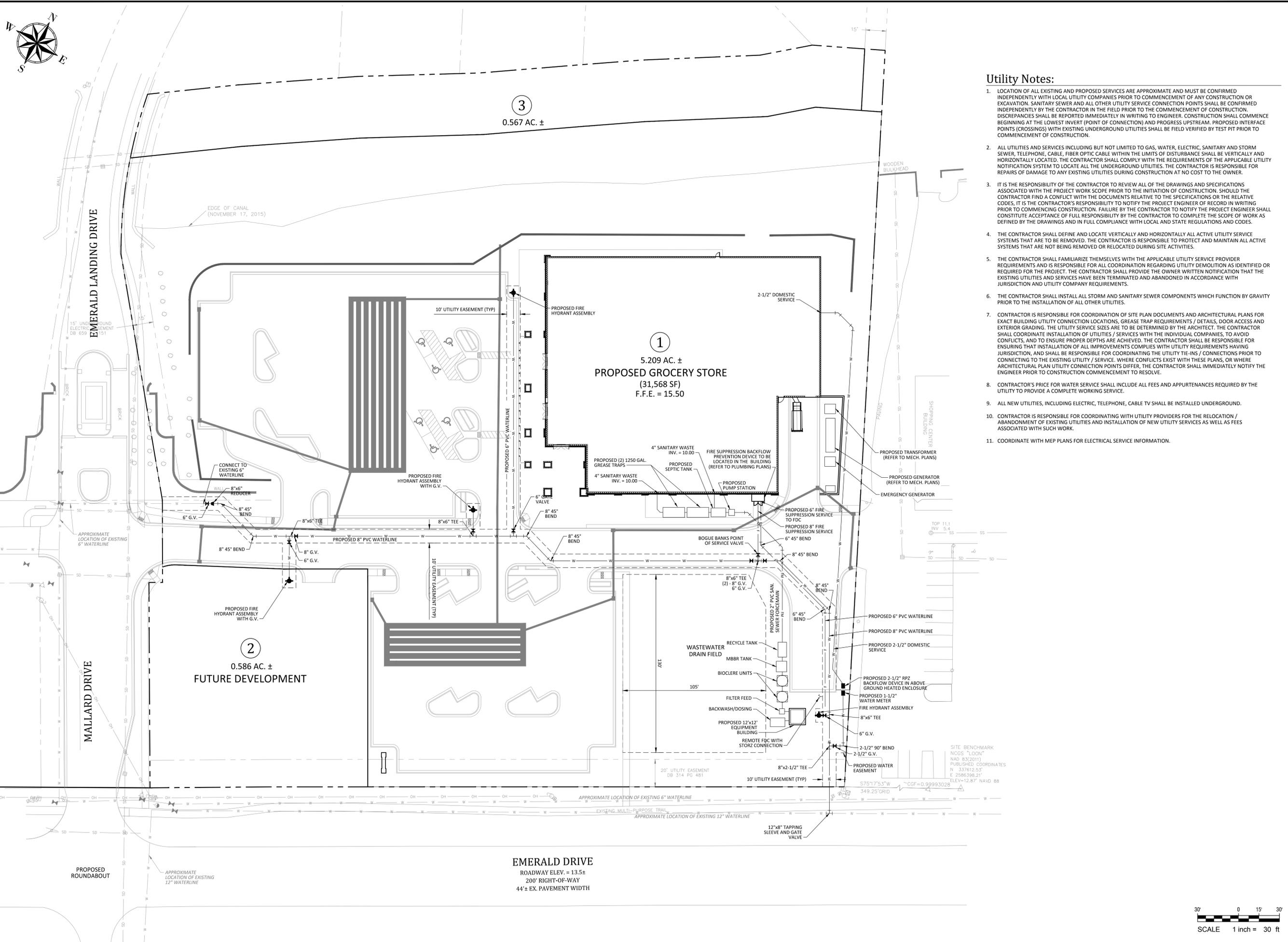
ARK CONSULTING GROUP, PLLC
Engineers & Planners
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Greenville, NC 27835
(252) 336-0888
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Project Manager: BCF
Drawn By: EW
Checked By: STA
Project Number: 15035
Drawing Number: D-1068

C-2

Date: 07-22-2016





- ### Utility Notes:
- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UPSTREAM. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE WITHIN THE LIMITS OF DISTURBANCE SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO COMMENCING CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL AND STATE REGULATIONS AND CODES.
 - THE CONTRACTOR SHALL DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED OR RELOCATED DURING SITE ACTIVITIES.
 - THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
 - THE CONTRACTOR SHALL INSTALL ALL STORM AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS / DETAILS, DOOR ACCESS AND EXTERIOR GRADING. THE UTILITY SERVICE SIZES ARE TO BE DETERMINED BY THE ARCHITECT. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES / SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS, AND TO ENSURE PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH UTILITY REQUIREMENTS HAVING JURISDICTION, AND SHALL BE RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS / CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY / SERVICE. WHERE CONFLICTS EXIST WITH THESE PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION COMMENCEMENT TO RESOLVE.
 - CONTRACTOR'S PRICE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING SERVICE.
 - ALL NEW UTILITIES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV SHALL BE INSTALLED UNDERGROUND.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY PROVIDERS FOR THE RELOCATION / ABANDONMENT OF EXISTING UTILITIES AND INSTALLATION OF NEW UTILITY SERVICES AS WELL AS FEES ASSOCIATED WITH SUCH WORK.
 - COORDINATE WITH MEP PLANS FOR ELECTRICAL SERVICE INFORMATION.

DATE: 07-22-16
ISSUED FOR SITE & STORMWATER PLAN REVIEW

COMMENTS:
08-11-16 REVISED PER NOTED AND TOWN TRC COMMENTS

NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CROSLAND SOUTHEAST

UTILITY PLAN

EGRET LANDING SHOPPING CENTER

EMERALD DRIVE & EMERALD LANDING DRIVE

EMERALD ISLE, CARTERET CO., NORTH CAROLINA

NC License: P-1189

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www.arkconsultinggroup.com

Project Manager: BCF

Drawn By: EW

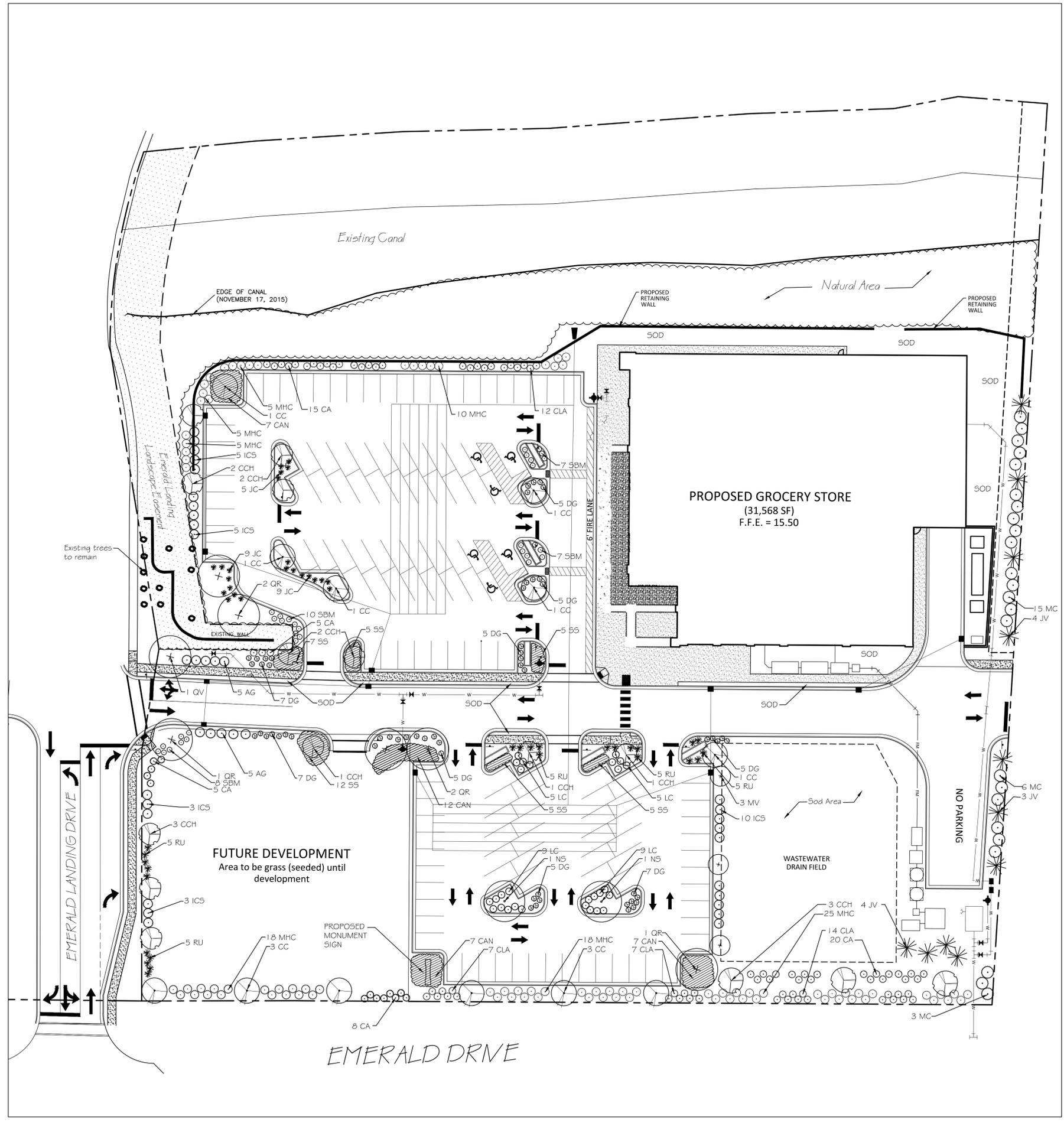
Checked By: STA

Project Number: 15035

Drawing Number: D-1068

C-3

Date: 07-22-2016



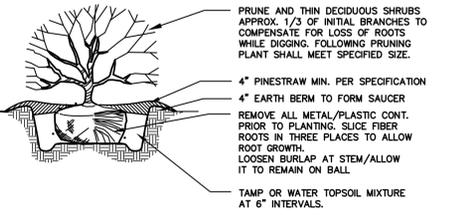
PLANTING NOTES:

1. All plant materials to comply with American Standard for Nursery Stock ANSI.Z60.
2. Plant locations to be approved in field prior to installation.
3. Substitutions of plant materials specified can only occur with prior approval by Landscape Architect.
4. Establish plant bed configurations. Landscape Architect to approve bed layout in field.
5. Install plants and mulch beds with 4" of pinestraw.
6. Establish mulch beds around existing trees to remain.
7. Plants to be relocated to be dug and replanted immediately.
8. Lawn areas to be seeded and strowed.
9. Landscape Contractor to maintain plant materials for a one year period following substantial completion per specifications.
10. Areas damaged from plant relocation or other activities of Landscape Contractor to be reseeded and established at no additional cost to the owner.
11. Parking lot islands to include a 5' mulch ring around proposed trees. The remainder of the island to be planted as indicated. Islands with no shrubs or a single tree to be mulched.
12. Trees adjacent to parking stalls to be planted a minimum of 3' from the back of curb. Shrubs planted in islands to maintain a 12" to 18" set back from the curb line.
13. Natural Area to remain undisturbed to the maximum extent practical during construction. Clearing, pruning and trimming shall be limited to small caliper vegetation and nuisance vegetation.

PLANT SCHEDULE

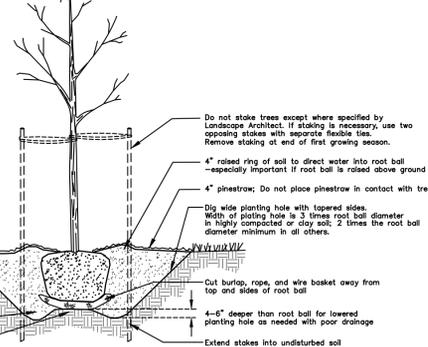
KEY	BOTANICAL / COMMON NAME	SIZE	ROOT	NOTES
NS	NYSSA SYLVATIC / BLACK GUM	3" CAL.	B # B	1 1/2' HT. when planted, 35' HT / 25' spread
ICS	ILEX CRENATA 'STEEDS' / HOLLY	24" HT.	CONT.	5 GALLON
CC	CERCIS CANADENSIS 'OKLAHOMA' / REDBUD	3" CAL	B # B	8' HT. when planted, 20' HT / 25' spread
PT	PINUS TAEDA / LOBLOLIVY PINE	3" CAL	B # B	8' HT. when planted, 30' HT / 15' spread
CAN	COREOPSIS AURICULATA 'NANA' / TICKSEED	6" HT.	CONT.	1 GALLON, GRDCVER
JC	JUNIPERUS CONFERTA 'BLUE PACIFIC' / JUNIPER	6" HT.	CONT.	3 GALLON, GRDCVER
MV	MAGNOLIA VIRGINIANA / SWEETBAY MAGNOLIA	36" HT.	CONT.	7 GALLON, large shrub
QR	QUERCUS RUBRA / RED OAK	3" CAL.	B # B	2' HT. when planted, 50' HT / 50' spread
LC	LIMONIUM CAROLINIANUM / SEA LAVENDER	12" HT.	CONT.	1 GALLON, evergreen shrub, purple flowers
SBM	SPIRAEA X BUMALDA 'MAGIC CARPET' / SPIRAEA	12" HT.	CONT.	3 GALLON
DG	DEUTZIA GRACILIS 'NIKKO' / SLENDER DEUTZIA	12" HT.	CONT.	3 GALLON
RU	RHAPHIOLEPIS UMBELLATA 'SNOW WHITE' / INDIAN HAWTHORN	24" HT.	CONT.	5 GALLON
AG	ABELIA X GRANDIFLORA 'LITTLE RICHARD' / ABELIA	12" HT.	CONT.	3 GALLON
MHC	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	12" HT.	CONT.	1 GALLON
CA	GALLICARPA AMERICANA / BEAUTYBERRY	24" HT.	CONT.	7 GALLON
CCH	CARPINUS CAROLINIA / HORNBEAM	3" CAL.	B # B	12' HT. when planted, 30' HT, 25' spread
JV	JUNIPERUS VIRGINIANA / EASTERN RED CEDAR	3" CAL.	B # B	10' HT. when planted
MC	MYRICA CERIFERA / SOUTHERN WAX MYRTLE	36" HT.	CONT.	7 GALLON
CL	CLETHRA ALNIFOLIA / COAST SWEET PEPPER BUSH	24" HT.	CONT.	3 GALLON
SS	SCHIZACHYRIUM SCOPARIUM 'THE BLUES' / LITTLE BLUESTEM	12" HT.	CONT.	1 GALLON
QV	QUERCUS VIRGINIANA 'HIGHRISE' / LIVE OAK	3" CAL	B # B	12' HT. when planted, 50' HT / 50' spread
PV	PANICUM VIRGATUM 'SHENANDOAH' / RED SWITCHGRASS	24" HT.	CONT.	5 GALLON

- NOTES:**
1. SOIL MIX-1/3 ORGANIC MATTER, 2/3 EXIST SOIL.
 2. WIDTH OF PLANT PIT - SANDY SOIL, 24" WIDER THAN PLANT BALL. -CLAY SOIL, 12" WIDER THAN PLANT BALL.
 3. FOR PLANTING AREAS WHERE SOIL HAS BEEN COMPACTED BY EQUIP. CONTACT LA PRIOR TO PLANTING.
 4. FOR CAMELLIAS, RHODOS, AZALEAS, AND LAURELS: SOIL MIX, 2/3 ORGANIC AND 1/3 EXISTING SOIL.
 5. SHRUB SHALL BEAR SAME RELATIONSHIP TO GRADE AS IT DID PRIOR TO DIGGING.



SHRUB PLANTING

- NOTES:**
1. Where several trees will be planted close together such that they will likely share root space, fill in soil compartments to a depth of 4-6" (10"-15cm) over the entire area.
 2. For container-grown trees, use fingers or small hand tools to pull the roots out of the outer layer of planting soil. Then use soil to pull apart any roots circling the perimeter of the container.
 3. During the design phase, confirm that water drains out of the soil; use tapered planting hole depth and design alternate drainage system as required.
 4. Thoroughly soak root ball and adjacent prepared soil several times during first month after planting and regularly throughout the following two summers.
 5. The planting process is similar for deciduous and evergreen trees.
 6. Do not wrap trunk. Mark the north side of the tree in the nursery and locate to the north in the field.
 7. Avoid purchasing trees with two leaders or remove one at planting. Otherwise, do not prune tree at planting except for specific structural corrections.
 8. Before planting, add 3-4" of well-composted leaves, recycled yard waste or other compost and fill into top 6" of prepared soil. Add compost at 20-35% by volume to backfill soil. Add compost at 20-35% by volume to backfill.



TREE PLANTING

COMMENTS

DATE	REVISIONS:

COALY DESIGN
LANDSCAPE ARCHITECTURE
537 E. Martin Street
Durham, NC 27601
919.253.9012

LANDSCAPE PLAN
EMERALD ISLE RETAIL
EMERALD DRIVE & MALLARD DRIVE
EMERALD ISLE, CARTERET CO., NORTH CAROLINA

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ARK Consulting Group, PLLC
Engineers & Planners
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Project Manager:	□ W
Drawn By:	□ RAP
Checked By:	□ W
Project Number:	□ 0001
Drawing Number:	□ 0001

LA-1
Date: 07-08-2016

06/10/16

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EGRET LANDING SHOPPING CENTER
Emerald Drive and Milled Drive
Emerald Isle, North Carolina

FOR:
Crosland Southeast
Raleigh, North Carolina

PROJECT:

SHEET TITLE:
**PHOTOMETRIC
SITE PLAN**

ISSUE DATE:
8/10/16

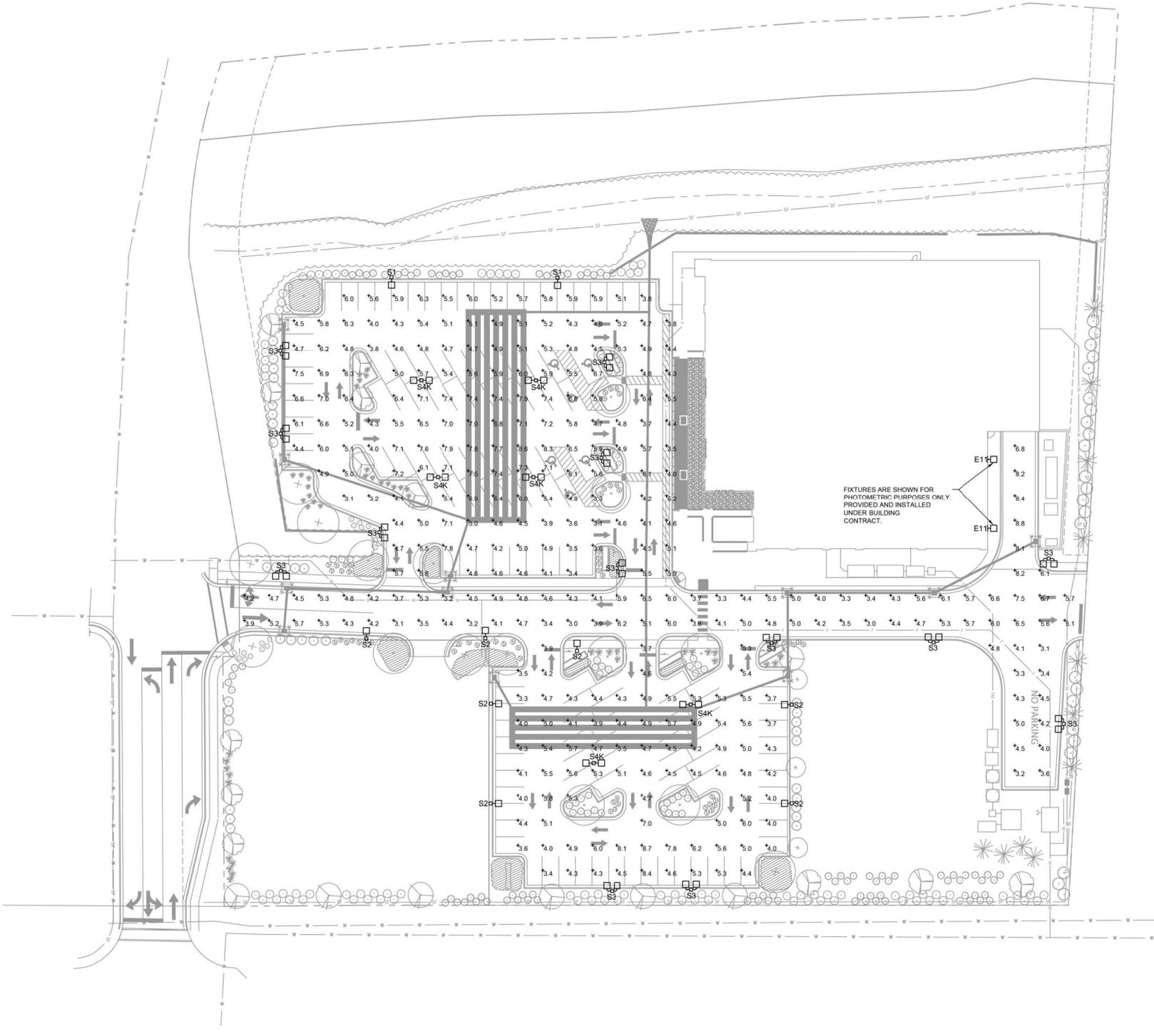
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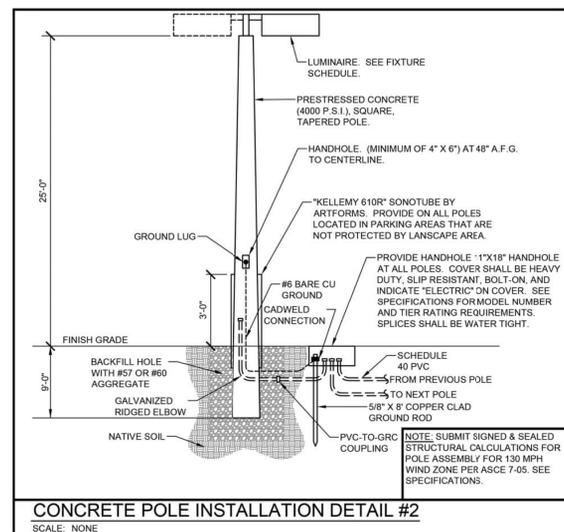
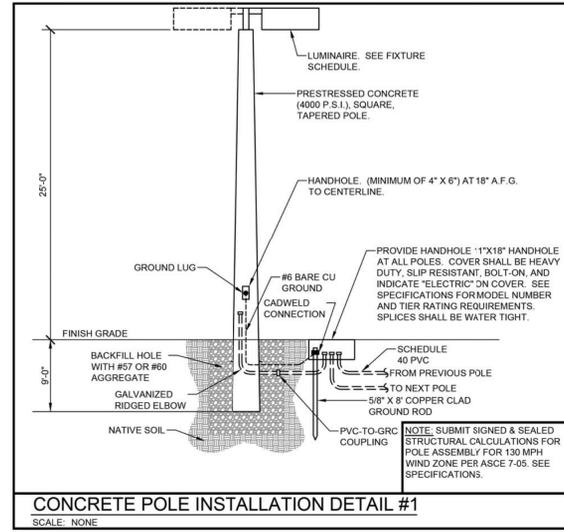
APOLLO ENGINEERING, INC
CONSULTING ENGINEERS
C-4043
6541 U.S. Hwy 41 North, Suite 300B, Apollo Beach, FL 33572
Phone: 813.538.5860 / Fax: 813.558.5865
Job # 10071
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Symbol	Label	QTY	Manufacturer	Catalog Number	Number Lamps	Filename	Lumens per Lamp	LLF	Wattage
□	E11	2	BEACON PRODUCTS	TRV-X-60NB-136-4K-T3-LUMV	1	TRV-X-60NB-136-4K-T3.ies	13903.32	0.85	135.6
□	S1	2	BEACON	VP-L-64NB-136-4K-T2	1	VP-L-64NB-136-4K-T2.ies	14048	0.85	142.05
□	S2	7	BEACON	VP-L-64NB-136-4K-T3	1	VP-L-64NB-136-4K-T3.ies	13743	0.85	141.38
□	S3	13	BEACON	VP-L-64NB-136-4K-T3	1	VP-L-64NB-136-4K-T3.ies	13743	0.85	262.76
□	S4K	6	BEACON	VP-L-64NB-136-4K-TSR	1	VP-L-64NB-136-4K-TSR.ies	16092	0.85	280.8

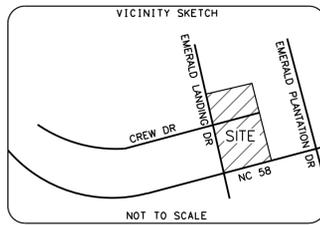
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	5.2 fc	8.8 fc	3.0 fc	2.8:1	1.7:1



PHOTOMETRIC SITE PLAN
SCALE: 1" = 30'-0"
NORTH

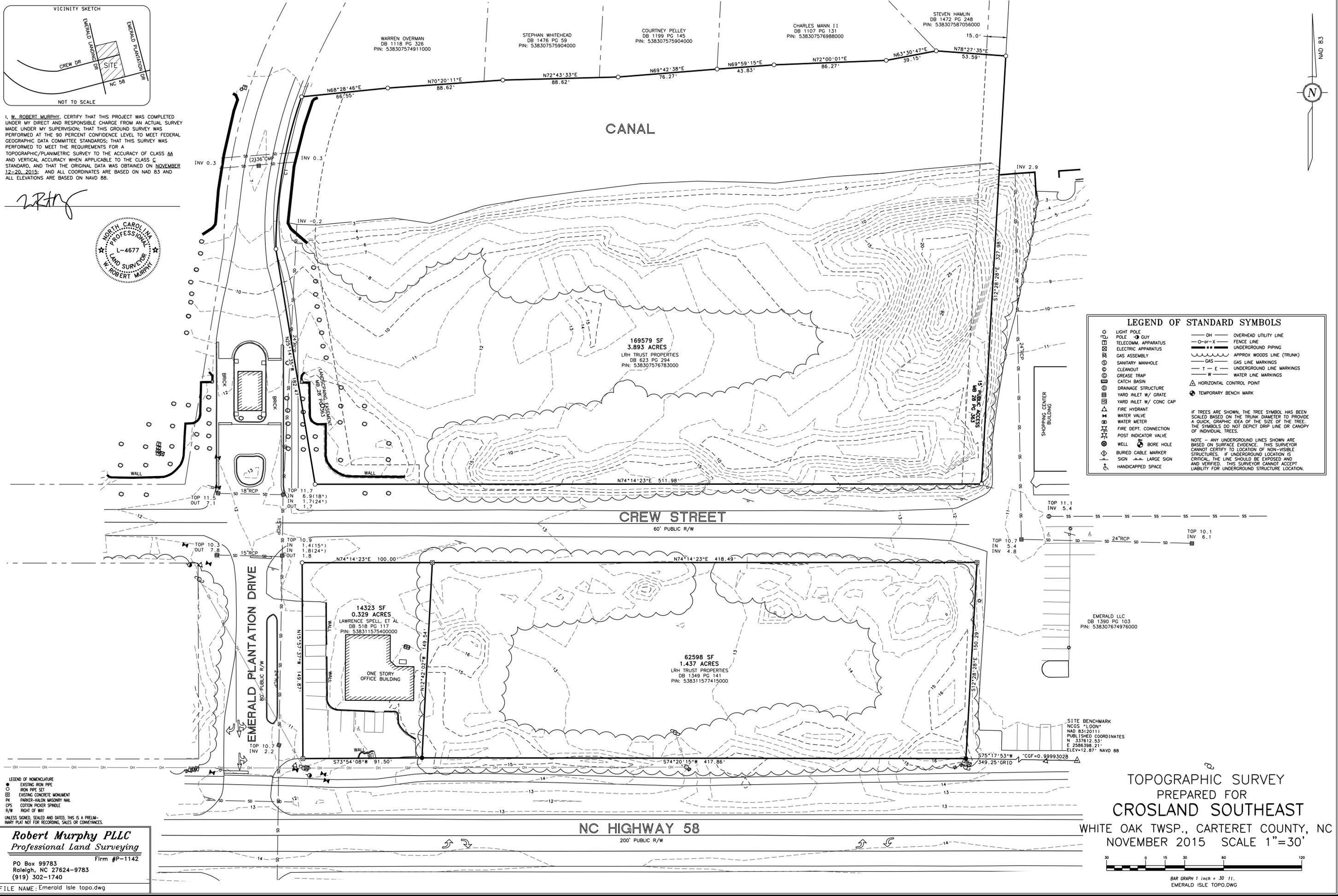


8/10/2016 9:59:37 AM NOT FOR CONSTRUCTION



I, **W. ROBERT MURPHY**, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS GROUND SURVEY WAS PERFORMED AT THE 90 PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A TOPOGRAPHIC/PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS AA AND VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS C STANDARD, AND THAT THE ORIGINAL DATA WAS OBTAINED ON NOVEMBER 12-20, 2015; AND ALL COORDINATES ARE BASED ON NAD 83 AND ALL ELEVATIONS ARE BASED ON NAVD 88.

W. Robert Murphy



LEGEND OF STANDARD SYMBOLS			
○	LIGHT POLE	— OH —	OVERHEAD UTILITY LINE
○-X	POLE GUY	— or — X —	FENCE LINE
□	TELECOMM. APPARATUS	—	UNDERGROUND PIPING
⊗	ELECTRIC APPARATUS	—	APPROX WOODS LINE (TRUNK)
⊗	GAS ASSEMBLY	—	GAS
⊗	SANITARY MANHOLE	— T — E —	GAS LINE MARKINGS
⊗	CLEANOUT	—	UNDERGROUND LINE MARKINGS
⊗	GREASE TRAP	— W —	WATER LINE MARKINGS
⊗	CATCH BASIN	△	HORIZONTAL CONTROL POINT
⊗	DRAINAGE STRUCTURE	⊕	TEMPORARY BENCH MARK
⊗	YARD INLET W/ GRATE		
⊗	YARD INLET W/ CONC CAP		
⊗	FIRE HYDRANT		
⊗	WATER VALVE		
⊗	WATER METER		
⊗	FIRE DEPT. CONNECTION		
⊗	POST INDICATOR VALVE		
⊗	WELL		
⊗	BORE HOLE		
⊗	BURIED CABLE MARKER		
⊗	SIGN LARGE SIGN		
⊗	HANDICAPPED SPACE		

IF TREES ARE SHOWN, THE TREE SYMBOL HAS BEEN SCALED BASED ON THE TRUNK DIAMETER TO PROVIDE A QUICK, GRAPHIC IDEA OF THE SIZE OF THE TREE. THE SYMBOLS DO NOT DEPICT DRIP LINE OR CANOPY OF INDIVIDUAL TREES.

NOTE - ANY UNDERGROUND LINES SHOWN ARE BASED ON SURFACE EVIDENCE. THIS SURVEYOR CANNOT CERTIFY TO LOCATION OF NON-VISIBLE STRUCTURES. IF UNDERGROUND LOCATION IS CRITICAL, THE LINE SHOULD BE EXPOSED AND VERIFIED. THIS SURVEYOR CANNOT ACCEPT LIABILITY FOR UNDERGROUND STRUCTURE LOCATION.

LEGEND OF NOMENCLATURE
 ○ EXISTING IRON PIPE
 ○ IRON PIPE SET
 ⊗ EXISTING CONCRETE MONUMENT
 PK PARKER-KALON MASONRY NAIL
 CPS COTTON PICKER SPINDLE
 R/W RIGHT OF WAY

UNLESS SIGNED, SEALED AND DATED, THIS IS A PRELIMINARY PLAT NOT FOR RECORDING, SALES OR CONVEYANCES.

Robert Murphy PLLC
 Professional Land Surveying
 Firm #P-1142
 PO Box 99783
 Raleigh, NC 27624-9783
 (919) 302-1740
 FILE NAME: Emerald Isle topo.dwg

TOPOGRAPHIC SURVEY
 PREPARED FOR
CROSLAND SOUTHEAST
 WHITE OAK TWSP., CARTERET COUNTY, NC
 NOVEMBER 2015 SCALE 1"=30'
 BAR GRAPH 1 inch = 30 ft.
 EMERALD ISLE TOPO.DWG