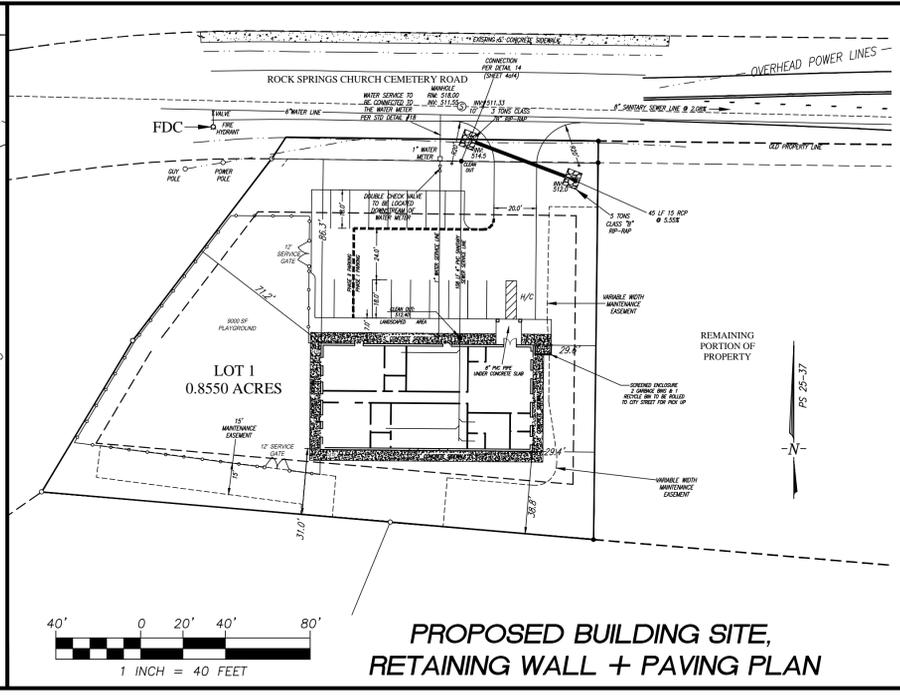
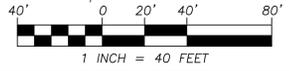
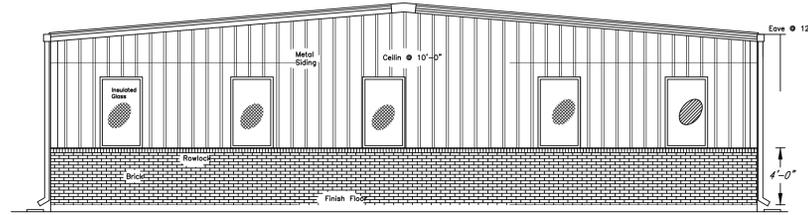
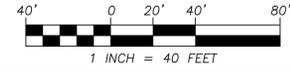


EXISTING CONDITIONS PLAN

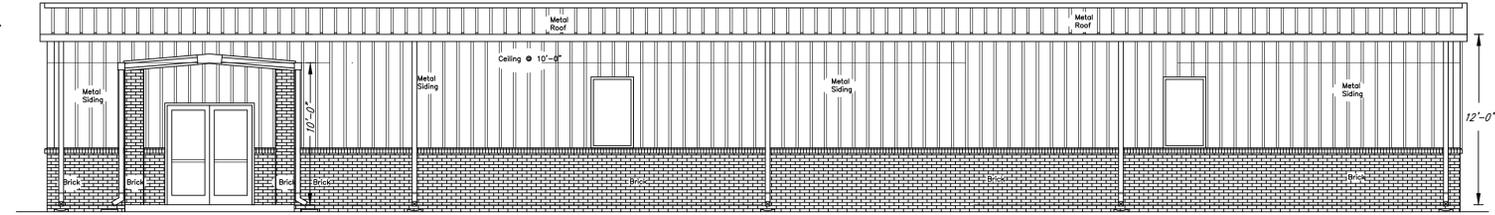


PROPOSED BUILDING SITE, RETAINING WALL + PAVING PLAN



LEFT SIDE ELEVATION

Scale: 1/8" = 1'-0"



FRONT ELEVATION

Scale: 1/8" = 1'-0"



PLAN VIEW

Scale: 1/8" = 1'-0"

ENGINEER:
 SAMIR W. BAHHO PE
 STRUCTURAL and CIVIL ENGINEERING
 4612 KAPLAN DRIVE
 RALEIGH, NC 27606
 TELEPHONE: 1 (919) 851.1642
 EMAIL: BA.CASESPLLC@GMAIL.COM

OWNER:
 NAME: GM LEMONS, LLC.
 ADDRESS: 2714 CASTLE ROCK FARM ROAD
 TELE: (919)542-4050
 EMAIL: RLEMONS@CHATHAM.K12.NC.US



Samir W. Bahho 02/03/2014

SITE PLAN NOTES:

- PROPERTY DATA:
 OWNER - GM LEMONS, LLC.
 DEED - DB 1387 PG 551
 PLAT - NONE RECORDED
 PARCEL # - 0006542
 ZONING - C2 HIGHWAY COMMERCIAL
 TOTAL AREA - 1.8291 ACRES
- PROPERTY IS IN THE PLANNING JURISDICTION OF THE TOWN OF PITTSBORO.
- THERE IS NO DESIGNATED DITCH/CREEK ON THE PROPERTY.
- LOT 1 IS PROPOSED FOR DEVELOPMENT INTO A 5000 SF METAL BUILDING DAY-CARE CENTER. FULL CAPACITY IS 70 CHILDREN. PROPERTY SHALL BE DEVELOPED IN TWO PHASES.
- PHASE ONE: FIRST 2 YEAR CAPACITY IS 30 CHILDREN. PHASE TWO: FULL CAPACITY IS 70 CHILDREN.
- TOTAL PARKING SPACES REQUIRED:
 REQUIRED PARKING FIRST PHASE: 9 SPACES
 PROVIDED PARKING FIRST PHASE: 9 SPACES INCLUDING 1 HANDICAP.
 PARKING SPACES & DRIVEWAYS WILL BE STONE & GRAVEL.
 REQUIRED PARKING SECOND PHASE: 10 SPACES
 PROVIDED PARKING SECOND PHASE: 10 SPACES
 PARKING SPACES & DRIVEWAYS & INTERNAL ROADWAYS WILL BE PAVED. SEE PROPOSED PAVEMENT SECTION.
- IMPERVIOUS AREA - LOT 1:
 12,580 SF AC = 33.78% PROPOSED.
 36% IMPERVIOUS ALLOWED FOR PROJECTS WITHOUT CURB & GUTTER STREET SYSTEM PER ZONING ORDINANCE 5.5.3b.
- PROPERTY IS LOCATED IN WSV-PA WATERSHED DISTRICT. ALL EXISTING STREETS LOADING TO PROPERTY ARE SHOULDER/DITCH STREETS (NO CURB & GUTTER). ALLOWABLE IMPERVIOUS AREA IS 36% IN ACCORDANCE WITH ZONING ORDINANCE SECTION 5.5.3(b).
- LANDSCAPED RETAINING WALLS AT THE FRONT AND BACK ARE PROPOSED WITH 0'-2" HEIGHT AS SHOWN ON PLAN.
- TOTAL DENUDED AREA IS 35,000 SF. 0.80 ACRES. EROSION AND SEDIMENT CONTROL DEVICES ARE PROVIDED DURING CONSTRUCTION IN ACCORDANCE TO NC DEHNR LAND QUALITY STANDARDS. THE LEVEL OF ACTIVITY AND DISTURBANCE IS BELOW THE REQUIRED THRESHOLD FOR AN APPROVED SEDIMENT CONTROL PLAN BY NC DEHNR. (ONE ACRE)
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- BEFORE IMPLEMENTATION OF SECOND PHASE, ALL REQUIRED PARKING DRIVEWAYS SHALL BE PAVED AS PER RECOMMENDED PAVING SECTION SHOWN ON PLAN.
- PUBLIC WATER & SEWER IS AVAILABLE AT THE SITE.
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- PROPOSED SIGNAGE TO BE PERMITTED SEPARATELY. THERE WILL BE ONLY ONE GROUND-MOUNTED SIGN PERMITTED.
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- HANDICAP PARKING & LANDING SHALL BE PAVED AS A PART OF THE FIRST PHASE OF CONSTRUCTION.
- SITE IS DESIGNED TO MEET JORDAN LAKE RULES AS ADOPTED BY TOWN OF PITTSBORO COMMISSIONERS ON NOVEMBER 12, 2013.

NOT FOR CONSTRUCTION
 - FOR REVIEW ONLY -

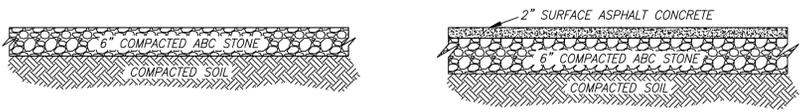
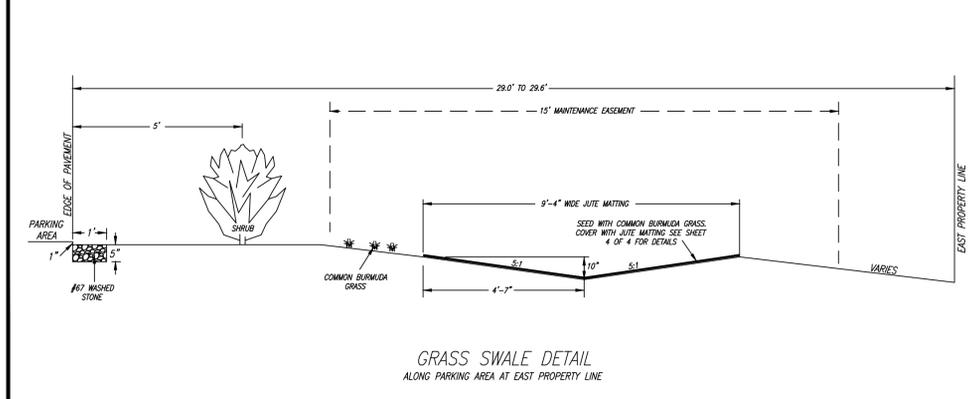
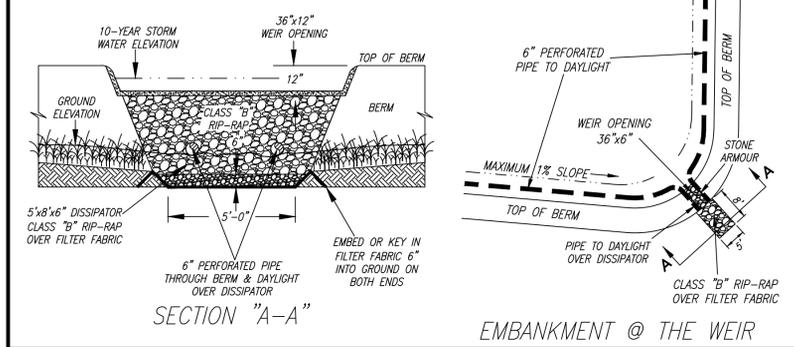
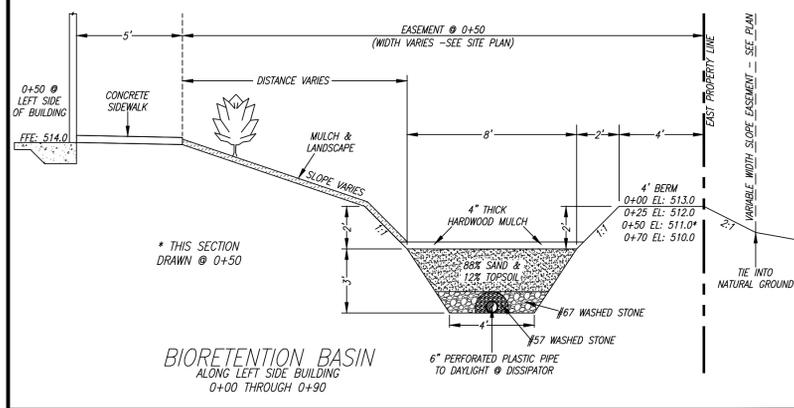
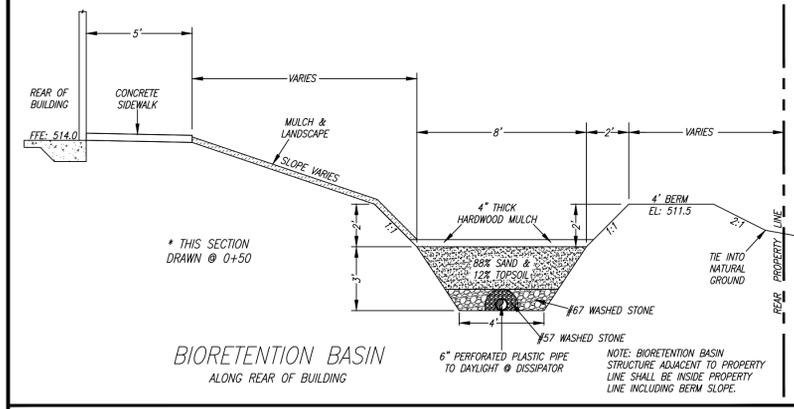
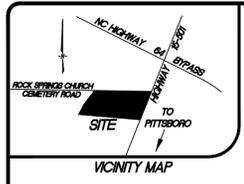
ENGINEER:
 SAMIR W. BAHHO, PE
 CIVIL & STRUCTURAL ENGINEERING SERVICES, PLLC.
 4612 KAPLAN DRIVE
 RALEIGH, NORTH CAROLINA 27606
 BUSINESS LICENSE P-6637

PROJECT:
**THE LEARNING LEMON DROPS
 CHILD CARE CENTER**
 29 ROCK SPRINGS CHURCH CEMETERY ROAD, PITTSBORO NC
 CHATHAM COUNTY
 NORTH CAROLINA
 EXISTING CONDITIONS, SITE PLAN & ELEVATIONS

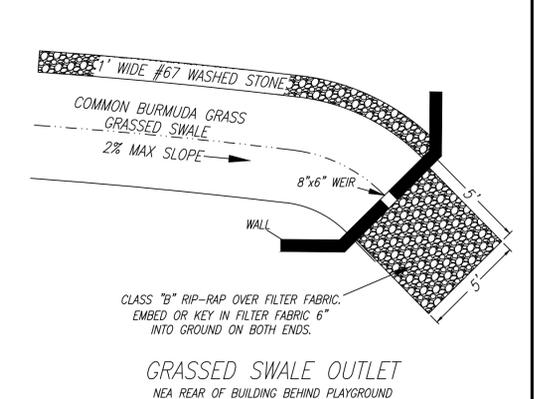
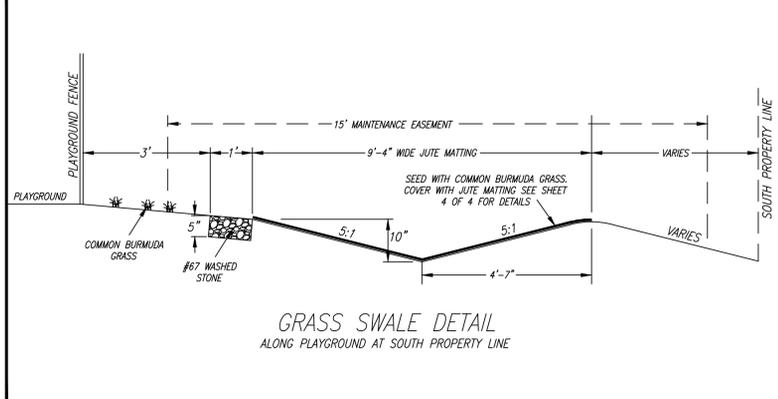
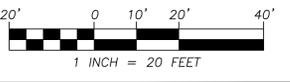
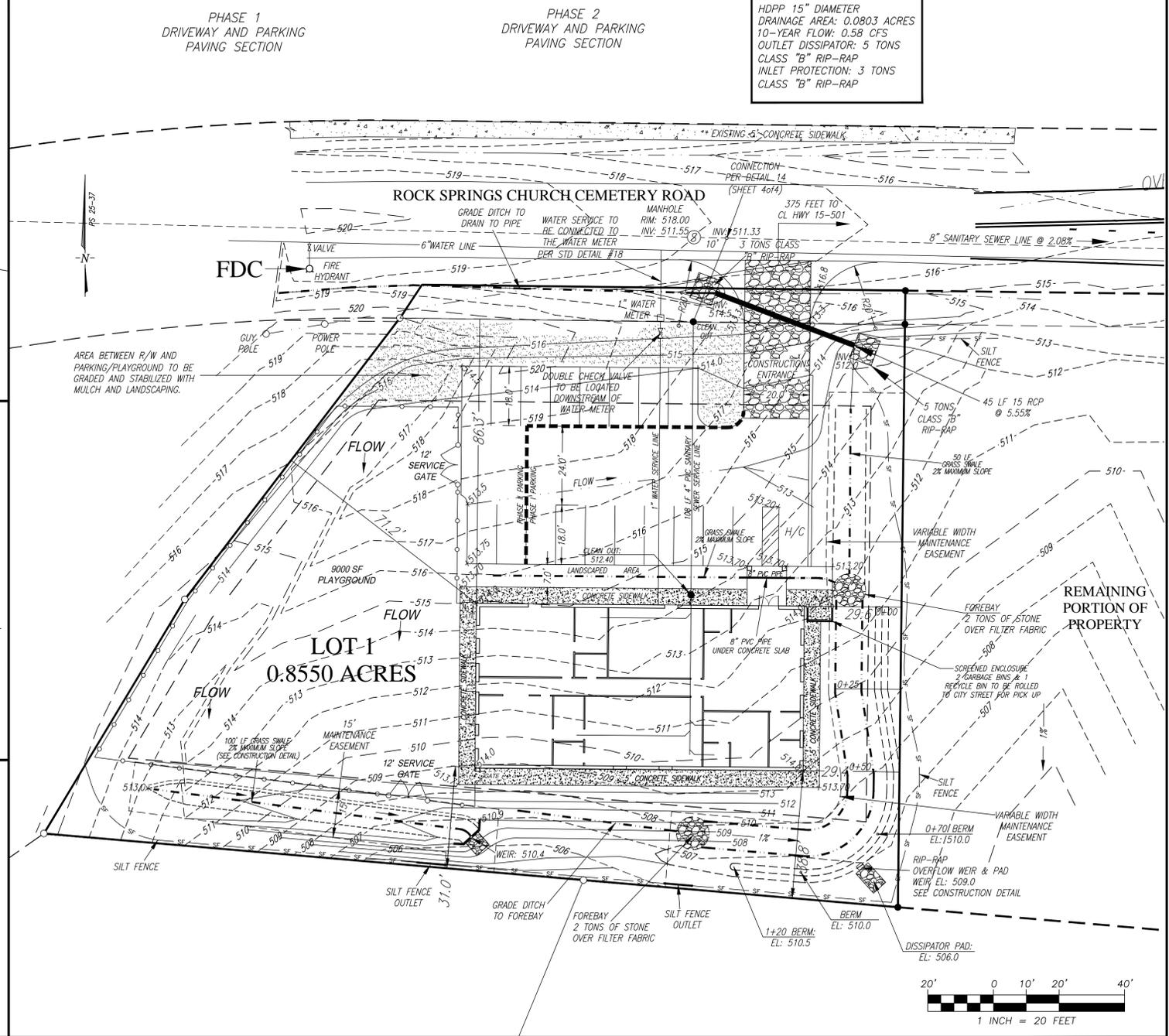
NO.	DATE	DESCRIPTION	BY	APP.
1	JAN 14 2014	REVISION		
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DATE: 02.03.14 SCALE: VARIES
 DESIGNED: SWB CHECKED: SWB
 DRAWN: REB APPROVED: OWNER
 SHEET: 1 OF 4
 CAD FILE: DAYCARE
 PROJECT NO: 2013.25

**FOR CONSTRUCTION SEQUENCE
SEE NOTES ON SHEETS 4 of 4.**



PIPE SIZING:
HDPP 15" DIAMETER
DRAINAGE AREA: 0.0803 ACRES
10-YEAR FLOW: 0.58 CFS
OUTLET DISSIPATOR: 5 TONS
CLASS "B" RIP-RAP
INLET PROTECTION: 3 TONS
CLASS "B" RIP-RAP



**NOT FOR CONSTRUCTION
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Samir W. Bahho 02/03/2014

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4612 KAPLAN DRIVE
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TELEPHONE: 1 (919) 851.1642
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OWNER:
NAME: GM LEMONS, LLC.
ADDRESS: 2714 CASTLE ROCK FARM ROAD
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EMAIL: RLEMONS@CHATHAM.K12.NC.US

- SITE PLAN NOTES:**
- PROPERTY DATA:
OWNER - GM LEMONS, LLC.
DEED - DB 1387 PG 551
PLAT - NONE RECORDED
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NOTE:
BIORETENTION BASIN SHALL BE GRADED AS PER SECTIONS SHOWN ON PLAN AND ENGINEER INSTRUCTION AND APPROVAL.

**THE LEARNING LEMON DROPS
CHILD CARE CENTER**

29 ROCK SPRINGS CHURCH CEMETERY ROAD, PITTSBORO NC
CHATHAM COUNTY

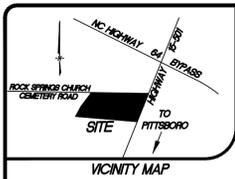
GRADING & EROSION CONTROL PLAN

DATE: 02.03.14 SCALE: 1"=20'
DESIGNED: SWB CHECKED: SWB
DRAWN: REB APPROVED: GML, LLC.
SHEET: 2 OF 4
CAD FILE: DAYCARE
PROJECT NO: 2013.25

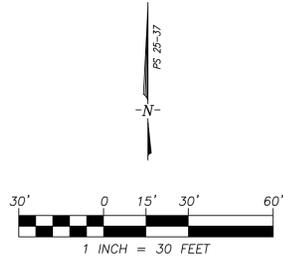
REVISIONS

NO.	DATE	DESCRIPTION	BY	APP.
1	02/03/14	INITIAL REVISIONS - REDUCTION PERMITS	REB	SWB

SAMIR W. BAHHO, PE
SAMIR & STRUCTURAL ENGINEERING SERVICES, PLLC.
4612 KAPLAN DRIVE
RALEIGH, NORTH CAROLINA 27606
BUSINESS LICENSE P-0637



VICINITY MAP



Lighting Plan Notes

1. Site lighting is designed in accordance with Town of Pittsboro Lighting Ordinance, Chapter 28
2. Four (4) light poles are proposed for the parking area and playing ground site. For location refer to Site Lighting Plan
3. All floodlights shall be installed as per section 28.3 C, D, E and F of the Pittsboro Lighting Ordinance (Chapter 28).
4. Other than flood lights/lamps, all outdoor area and parking lot lighting fixtures of more than 2,000 Lumens shall be full cutoff fixtures.
5. The mounting height of all outdoor lights shall not exceed thirty seven (37) feet above finished grade.
6. For lighting of parking facility, the light level in the parking and playground area shall be 0.5 foot candles. Light uniformity shall be 4:1 (Average/Minimum). Light level shall be measured at ground level. Refer to the Table in chapter 28.4.D (b) Parking, Industrial/Commercial (Medium/low activity)
7. Duke Energy will be contacted to provide detailed design complying to Town Lighting Ordinance



LIGHTING PLAN

TEMPORARY SEEDING SCHEDULE

SEEDING DATES	SPECIES	RATE	FERTILIZER
JAN 1-MAY 1	RYE * ANNUAL LESPEDEZA (KOBE) *	120 LB/ACRE 50 LB/ACRE	750 LB/ACRE 10-10-10
MAY 1-AUGUST 15	GERMAN MILLET *	40 LB/ACRE	750 LB/ACRE 10-10-10 750 LB/ACRE 10-10-10
AUGUST 15-DEC 31	RYE (GRAIN) **	120 LB/ACRE	1,000 LB/ACRE 10-10-10

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE.

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

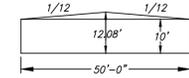
* RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RE-SEED, RE-FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

** REPAIR AND RE-FERTILIZE DAMAGED AREAS IMMEDIATELY. TOP-DRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVER SEED WITH 50 LB/ACRE OF KOBE IN LATE FEBRUARY OR EARLY MARCH.

PERMANENT SEEDING SCHEDULE

SHOULDERS, SIDE DITCHES, SLOPES (MAX. 3:1)		
SEEDING DATES	SPECIES	RATE
AUGUST 15-NOV 1	TALL FESCUE	300 LB/ACRE
NOV 1-MARCH 1	TALL FESCUE AND ABRUZZIE RYE	50 LB/ACRE
MARCH 1-APRIL 15	TALL FESCUE	300 LB/ACRE
APRIL 15-JUNE 30	HULLED COMMON BERMUDAGRASS	25 LB/ACRE
JULY 1-AUGUST 15	TALL FESCUE	120 LB/ACRE
JULY 1-AUGUST 15	BROWN TOP BILLET	35 LB/ACRE

SHOULDERS, SIDE DITCHES, SLOPES (3:1 TO 2:1)		
SEEDING DATES	SPECIES	RATE
MARCH 1-JUNE 1	SERICEA LESPEDEZA AND SCARIFY AND ADD TALL FESCUE OR ADD WEEPING LOVE GRASS	50 LB/ACRE 120 LB/ACRE 10 LB/ACRE
JUNE 1-SEPT 1	TALL FESCUE AND BROWN TOP MILLET	120 LB/ACRE 35 LB/ACRE
SEPT 1-MARCH 1	SERICEA LESPEDEZA AND TALL FESCUE	70 LB/ACRE 120 LB/ACRE
SEPT 1-MARCH 1	ADD ABRUZZIE RYE	25 LB/ACRE



**NOT FOR CONSTRUCTION
- FOR REVIEW ONLY -**



Samir W. Bahho 02/03/2014

ENGINEER:

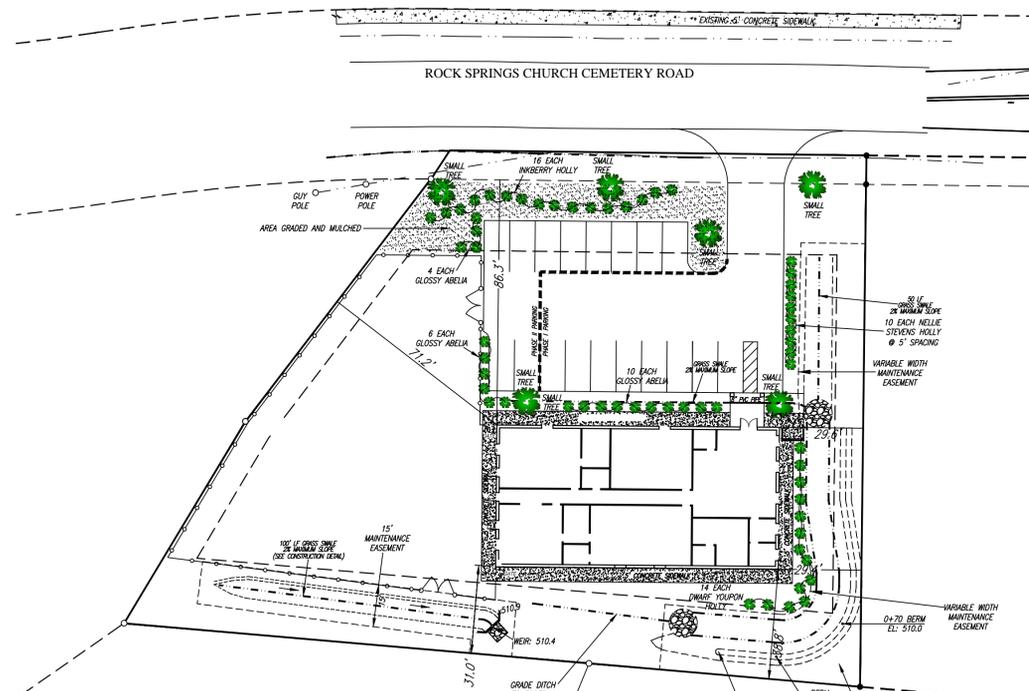
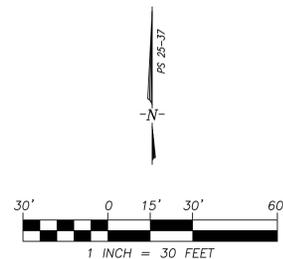
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PROJECT: THE LEARNING LEMON DROPS CHILD CARE CENTER
29 ROCK SPRINGS CHURCH CEMETERY ROAD, PITTSPORO NC
CHATHAM COUNTY
EXISTING CONDITIONS, SITE PLAN & ELEVATIONS



LANDSCAPING PLAN

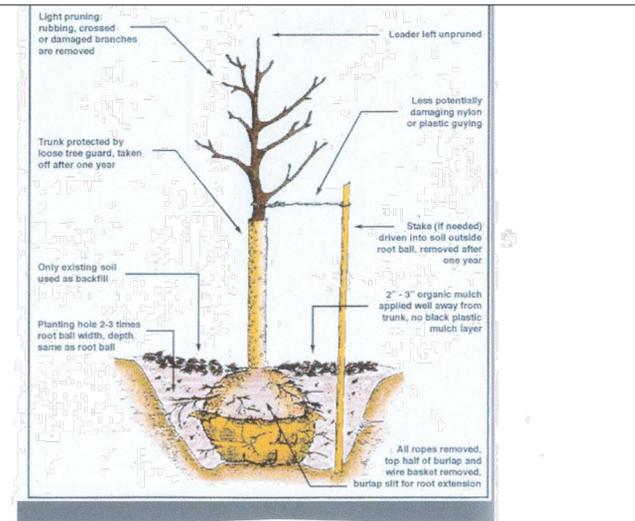
NOTE: FOR TYPES OF SHRUBS + SMALL TREES, SEE LANDSCAPE TREES + SHRUBS SCHEDULE

Landscaping Plan Notes:

1. Landscape is provided for the Day Care project. Landscape plan is design in accordance to Pittsboro Zoning Ordinance, Article XVIII
2. Per Article XVIII of Zoning Code, 3 small trees are required (19 Parking Spaces)
3. Small trees shall be planted so that no point of the tree's main trunk is closer than four (4) feet from the parking lot or driveway surfaces and within ten (10) feet of the parking lot
4. No shrubs shall be located within any vehicle overhang area (2' beyond curb stop at the head of parking space.
5. Each parking space shall be no further than seventy five (75) feet from large or small tree
6. Trees should be so located so as to maximize shading of parking spaces during summer months
7. All parking lot landscaped area shall be covered with ground covers or natural mulching materials, however, areas subject to vehicle overhang may be covered with brick, stone mulch or other non-living materials.
8. Plantings of required landscaping shall be properly installed and maintained. Plant materials shall be planted in accordance with generally recommended and accepted planting and growing practices. The owner of the property and any tenant on the property where landscaping is required shall be jointly and separately responsible for its maintenance. Such maintenance shall include all actions necessary to keep landscaped areas free of litter and debris; to keep plantings healthy; to keep growth from interfering with safe vehicular or pedestrian travel of use of the parking areas, or from creating any nuisance to adjoining properties.
9. Any vegetation that constitutes required landscaping shall be replaced in the event that dies or is damaged. All required landscaping shall be protected from damage by erosion, motor vehicles or pedestrians

Landscape Trees and Shrubs Schedule

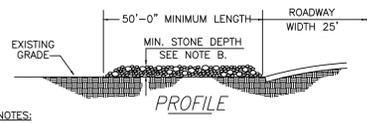
No.	Size	Type Name, Scientific	Type Name, Commercial	Mature Height
6 Ea	Small Trees	Koeleruteria Paniculata	Crepe Myrtle-Single Stem	30'-40'
14 Ea	Screening shrubs	Ilex Vomitoria 'Nana'	Dwarf Yaupon Holly	3'-5'
10 Ea	Screening shrubs	Ilex Nellie R. Stevens	Nellie R. Stevens Holly	15-25'
16 Ea	Screening shrubs	Ilex Glabara	Inkberry Holly	6'-8'
20 Ea	Screening shrubs	Abelia Grandiflora	Glossy Abelia	3'-6'



Tree Planting Detail

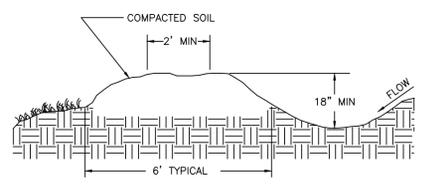
NO.	DATE	DESCRIPTION	BY	APP.
1	02.03.14	ISSUED FOR PERMIT REVIEW	SWB	HL

DATE: 02.03.14 SCALE: 1"=30'
DESIGNED: SWB CHECKED: SWB
DRAWN: REB APPROVED: HL
SHEET: 3 OF 4
CAD FILE: DAYCARE
PROJECT NO: 2013.25



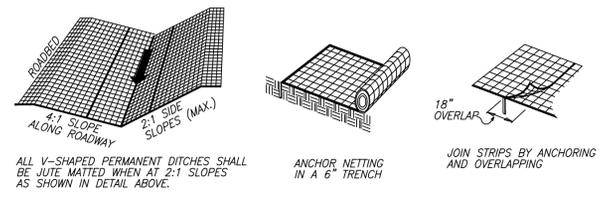
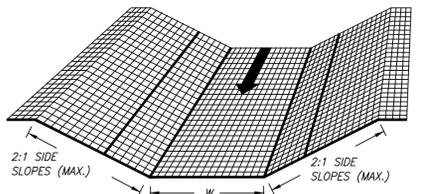
- NOTES:**
- MINIMUM WIDTH OF CONSTRUCTION ENTRANCE PAD SHALL BE 20 FT. SEE PLANS FOR LOCATION, ACTUAL WIDTH AND CONFIGURATION.
 - STONE SHALL BE CRUSHED AGGREGATE BASE. PROVIDE 1 1/2" THICK AT ENTRANCE FOR FIRST 15 FT. INTO PROJECT AND 6" THICK FOR REMAINDER.
 - THE ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAY. THIS MAY REQUIRE PERIODIC TOP-DRESSING WITH ADDITIONAL STONE AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

TYPICAL CONSTRUCTION ENTRANCE PAD
NTS

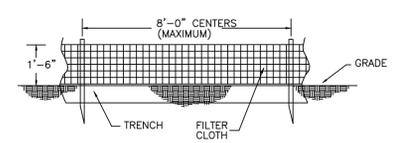


NOTE: MAXIMUM SIDESLOPE OF TDD SHALL BE 2:1

TEMPORARY DIVERSION DITCH
NTS

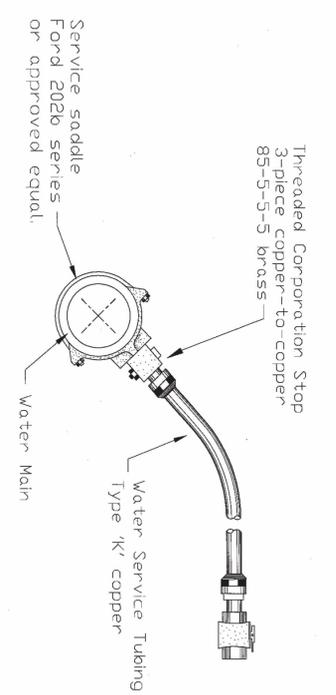


TYPICAL JUTE MESH LINED DITCH
NTS



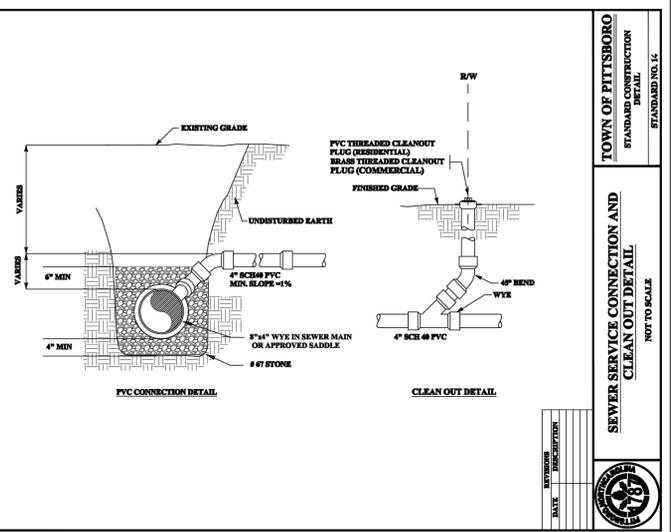
- NOTES:**
- STAPLE WIRE FENCING TO POST.
 - EXTEND WIRE FENCING AND FILTER CLOTH INTO TRENCH.
 - TRENCH SIZE IS 4" X 8" X LENGTH OF SILT FENCE

TYPICAL SILT FENCE DETAIL
NTS

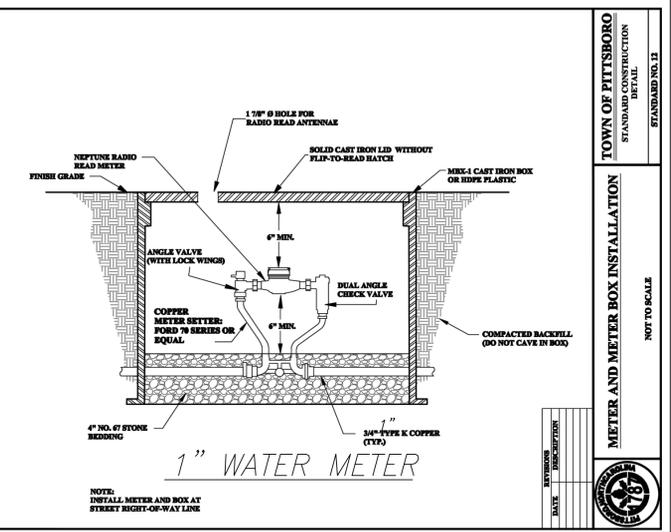


REVISIONS	DATE	DESCRIPTION

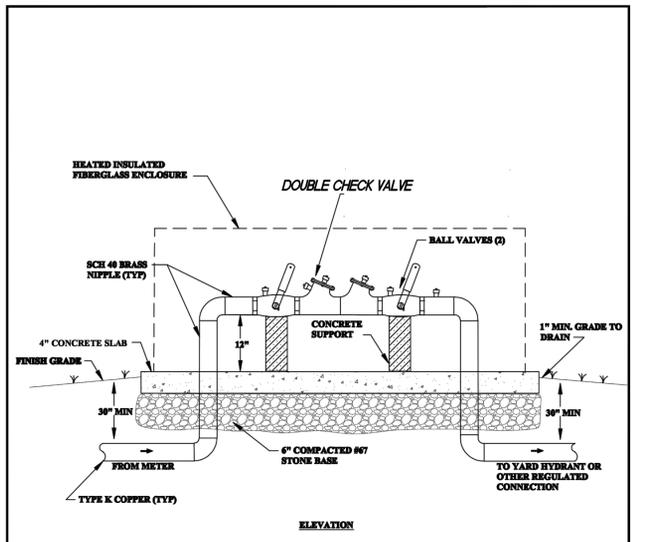
SERVICE CONNECTION
NOT TO SCALE
TOWN OF PITTSBORO
STANDARD CONSTRUCTION DETAIL
STANDARD NO. 18



TOWN OF PITTSBORO
STANDARD CONSTRUCTION DETAIL
SEWER SERVICE CONNECTION AND CLEAN OUT DETAIL
NOT TO SCALE
STANDARD NO. 14

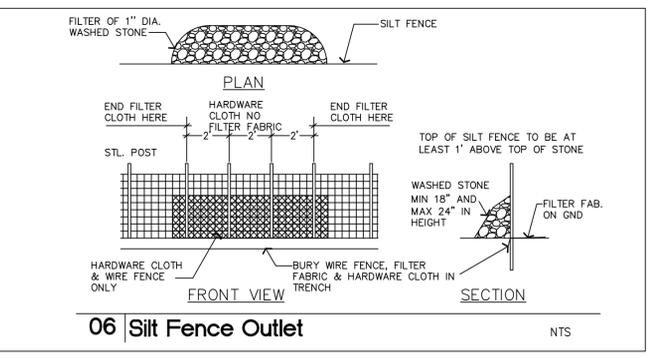


TOWN OF PITTSBORO
STANDARD CONSTRUCTION DETAIL
METER AND METER BOX INSTALLATION
NOT TO SCALE
STANDARD NO. 13



REVISIONS	DATE	DESCRIPTION

DOUBLE CHECK VALVE BACKFLOW ASSEMBLY
NOT TO SCALE
TOWN OF PITTSBORO
STANDARD CONSTRUCTION DETAIL
STANDARD NO. 9



06 Silt Fence Outlet
NTS

NDPES PERMIT NOTES:

Notes: Construction of the project must comply to the General NPDES and the Changes in the NPDES Permit entitled "Major Elements of DWQ Construction General Permit effective August 03, 2011"

- | NEW STABILIZATION TIMEFRAMES (Effective Aug. 3, 2011) | STABILIZATION | TIMEFRAME EXCEPTIONS |
|---|---------------|--|
| Proctor, 90%, 95%, 98%, 99% | 7 days | None |
| High Quality Proctor (98%) Zones | 7 days | None |
| Slopes steeper than 3:1 | 7 days | If slopes are 10:1 or less 14 days are allowed. For slopes greater than 10:1, 14 days are allowed. |
| Slopes 3:1 or flatter | 14 days | 7 days for slopes greater than 5:1 in length. |
| All other areas with slopes flatter than 4:1 | 14 days | None, except for generators and HDSE Zones. |
- Construction and building wastes handling:
 - No paint or liquid wastes in stream or storm drains.
 - Dedicated areas for demolition, construction and other wastes must be located 50' from storm drains and streams unless no reasonable alternatives are available.
 - Earthen-material stockpiles must be located 50' from storm drains and streams unless no reasonable alternatives are available.
 - Concrete material must be controlled to avoid contact with surface waters, wetlands and/or buffers.
- Inspection:
 - For weekly inspection and rain gauge requirements see E&S notes on the plans.
 - Inspections are required during "normal business" hours.
 - Inspection reports must be available on-site during business hours unless a site-specific exemption is approved.
 - Records must be kept for 3 years and available upon request.
 - Electronically-available records may be substituted under certain conditions.

Construction Sequence

- Owner shall designate knowledgeable professional "Project Engineer" to observe and inspect grading operations and installation of erosion control devices and BMP for Nutrient Reduction.
- Grading contractor shall consult approved plans, Project Engineer and Town inspection representative.
- Grading contractor shall cut trees and install all erosion control measures before starting any grading operation.
- Grading contractor shall install rain gauge post. Install Silt fence, Silt fence outlets, construction entrance and other erosion control devices as shown on approved plans. Refer to sheet 4 of 4 of the plans for construction of erosion control devices.
- Start grading work as follows:**
 - Cut and fill operations to construct playground, building pad and parking area.
 - Building pad sub-grade shall be graded to 8" below final floor plans. Building pad sub-grade shall be thoroughly compacted to 95% Standard Proctor.
 - Construct road ditch and drainage pipe with dissipater.
 - Parking area sub-grade shall be 8" below final grade as shown on approved plan. Parking and road sub-grade shall be thoroughly compacted.
 - Install base course for the first phase roads and parking area and compact. Compacted thickness of base course shall be average of 6".
 - Grade all grassed swales. Grading of grassed swales shall be in length, shape and dimensions as shown on the approved plans and detailed sections. Construct end of swale weirs and dissipaters as per approved plans.
 - Seed and mulch all graded areas including grassed swales. For stabilization and vegetation process and sequence refer to sheet 3 of 4 of the approved plans "Temporary and Permanent Seeding" as well as to "NPDES Notes". Seeding of graded areas and slopes shall be done in the sequence and time schedule as referred to on "NPDES Notes" on sheet 4 of 4 of approved plans.
- Construction of Building:**
 - Construct foundation, building pad and concrete slab.
 - Construction of the building shall proceed carefully not to disturb or destroy vegetated area of the play grounds and grassed swales.
 - Building contractor shall use parking area and inside roads as staging area for machinery and material keep construction activities outside playground and grassed swales.
 - Complete construction of the building and clean staging area premises.
 - All grading areas damaged during construction of building shall be repaired.
- Construction of vegetative filter strip and retaining wall:**
 - Construct retaining walls and vegetative filter strips with weir as per approved plans and detailed sections.
 - Seed vegetative filter strips as shown on the detailed sections.
- Cleaning and Repair:**
 - All damaged areas during construction shall be repaired including grassed swales, Vegetative Filter Strips, Play ground and parking and inside road.
 - Repair seed all eroded areas
 - Remove erosion control devices and clean and remove all sediments. Remove construction entrance. Grade entrance. Install 6" of base stone (ABC) and compact.

NOT FOR CONSTRUCTION
- FOR REVIEW ONLY -



Samir W. Bahho 02/03/2014

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THE LEARNING LEMON DROPS
CHILD CARE CENTER
29 ROCK SPRINGS CHURCH CEMETERY ROAD, PITTSBORO NC
CHATHAM COUNTY
CENTER TOWNSHIP
LIGHTING & LANDSCAPE PLAN

NO.	DATE	DESCRIPTION	SCALE

DATE: 02.03.14	SCALE: -
DESIGNED: SWB	CHECKED: SWB
DRAWN: REB	APPROVED: GM/LLC
SHEET: 4	OF 4
CAD FILE: DAYCARE	PROJECT NO: 2013.25