

August 1, 2011

Michael Scott  
NCDENR

Re: Plant upgrades SWC 19-06

Dear Michael,



These are the drawings laying out the replacement buildings and upgrades at Chatham.

As indicated in the drawings the work is to be done in phases.

Phase 1 involves the following:

Replacement of the roof structure over the blending building. The size will be identical to the original however there are a number of upgrades that will guarantee a much longer life.

These include raising the perimeter wall an additional 4 feet with reinforced concrete. Resolite sheeting will be used rather than the metal sheeting in the original building. This material is non metal and therefore not susceptible to corrosion, it is also translucent.

The metal door frames at the ramp will be replaced with reinforced concrete framework.

A sealant will be used where necessary to ensure a higher level of air tightness where deemed necessary.

The primary processing building roof will be removed and replaced as follows:

The bays on the west side of the building will be replaced with a combination of concrete roof structure and Resolite. This roof will be supported by reinforced concrete walls which will also act as dividing walls for each individual bay.

The aisle roof through the middle of the building will be replaced with similar specifications to the blending building, Resolite roof and corrosion protected steel.

The bays on the east side of the building will be replaced in a similar manner in Phase 2.

All the electrical controls that have not already been moved into the environmentally controlled electrical building will be moved during Phase 1.

Two areas of the floor that require repairing will be done during Phase 1 also, one in the processing building and one in the Screening building .

Please feel free to contact me with any questions or concerns.

Best regards,



Steve Cockman  
Operations Manager  
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# CHATHAM COUNTY

# BUILDING PERMIT

## COMMERCIAL

### INSPECTION

### APPROVAL DATE/INSPECTOR

### COMMENTS

|               |                   |  |  |
|---------------|-------------------|--|--|
| BUILDING      | FOOTING           |  |  |
|               | FOUNDATION        |  |  |
|               | SLAB              |  |  |
|               | MONOLITHIC SLAB   |  |  |
|               | WATERPROOFING     |  |  |
|               | FRAMING           |  |  |
|               | INSULATION        |  |  |
|               | SUSPENDED CEILING |  |  |
|               | FINAL             |  |  |
| ELECTRICAL    | TEMPORARY SERVICE |  |  |
|               | UNDER SLAB        |  |  |
|               | UNDERGROUND       |  |  |
|               | ROUGH-IN          |  |  |
|               | CONDITIONAL POWER |  |  |
| PLUMBING      | FINAL             |  |  |
|               | WATER             |  |  |
|               | SEWER             |  |  |
|               | UNDER-SLAB        |  |  |
|               | ROUGH-IN          |  |  |
| MECHANICAL    | FINAL             |  |  |
|               | UNDERSLAB         |  |  |
|               | ROUGH-IN          |  |  |
|               | FINAL             |  |  |
|               | GAS ROUGH-IN      |  |  |
| MISCELLANEOUS | GAS FINAL         |  |  |
|               |                   |  |  |

This card must be posted in a conspicuous and protected location at the construction site until work is completed, approved and signed on the card by Inspections Department. All work must conform to the North Carolina State Building Code and all applicable Chatham County Regulations. The permit number identifies the permit which authorizes this work.

**CALL (919) 542-8230 to schedule an Inspection request and provide PERMIT NUMBER**

**PERMIT NUMBER**

**40368**

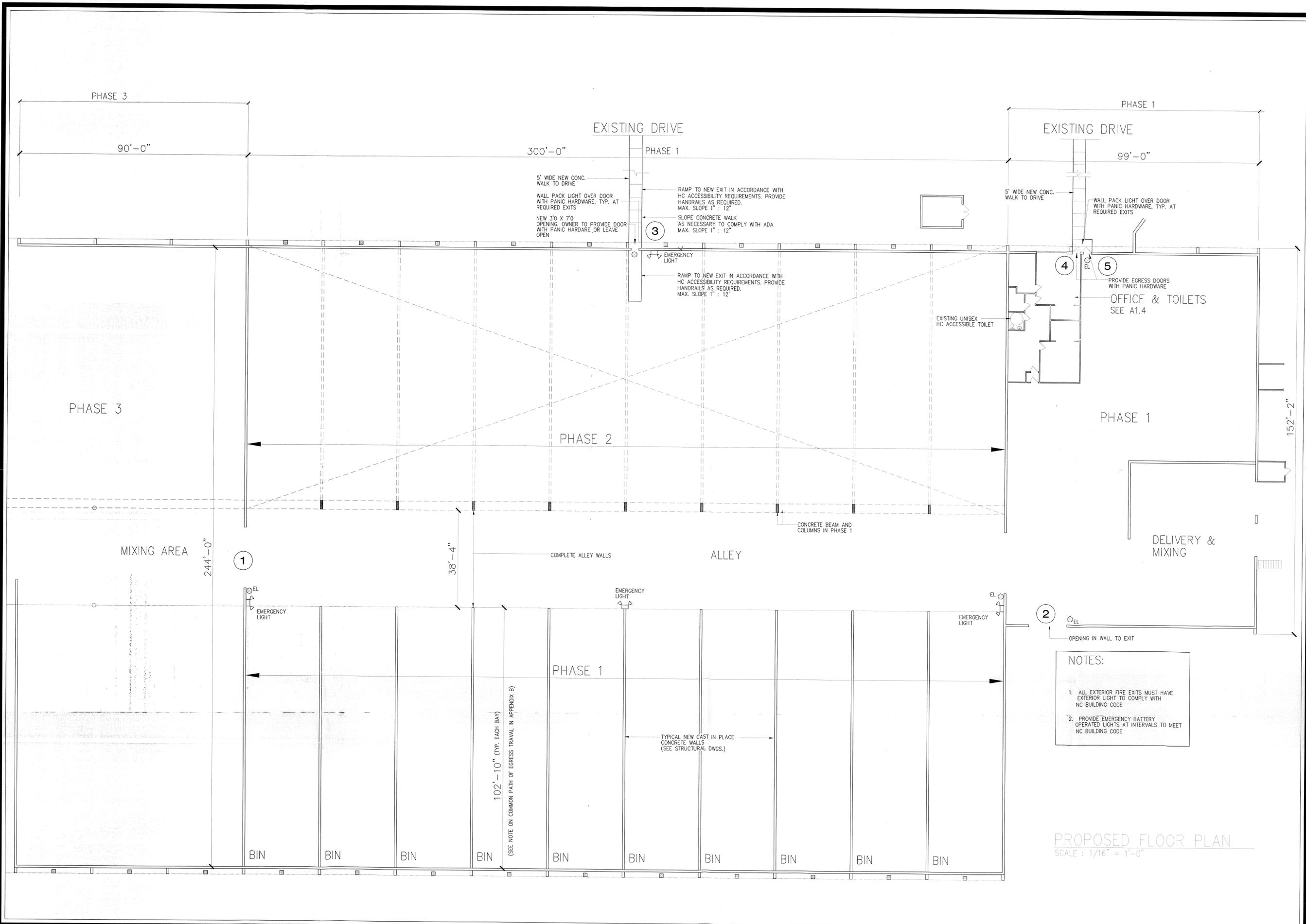
*Interior Renovation*

*Al Davis*

**7/26/11**

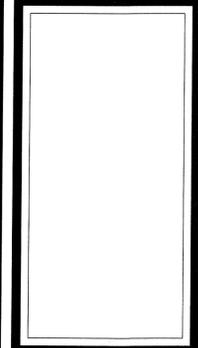
Code Enforcement Officer

Date



- NOTES:**
1. ALL EXTERIOR FIRE EXITS MUST HAVE EXTERIOR LIGHT TO COMPLY WITH NC BUILDING CODE
  2. PROVIDE EMERGENCY BATTERY OPERATED LIGHTS AT INTERVALS TO MEET NC BUILDING CODE

**PROPOSED FLOOR PLAN**  
SCALE: 1/16" = 1'-0"



**McGill Environmental Systems**  
**Composting Facility**  
Chatham County  
New Hill NC

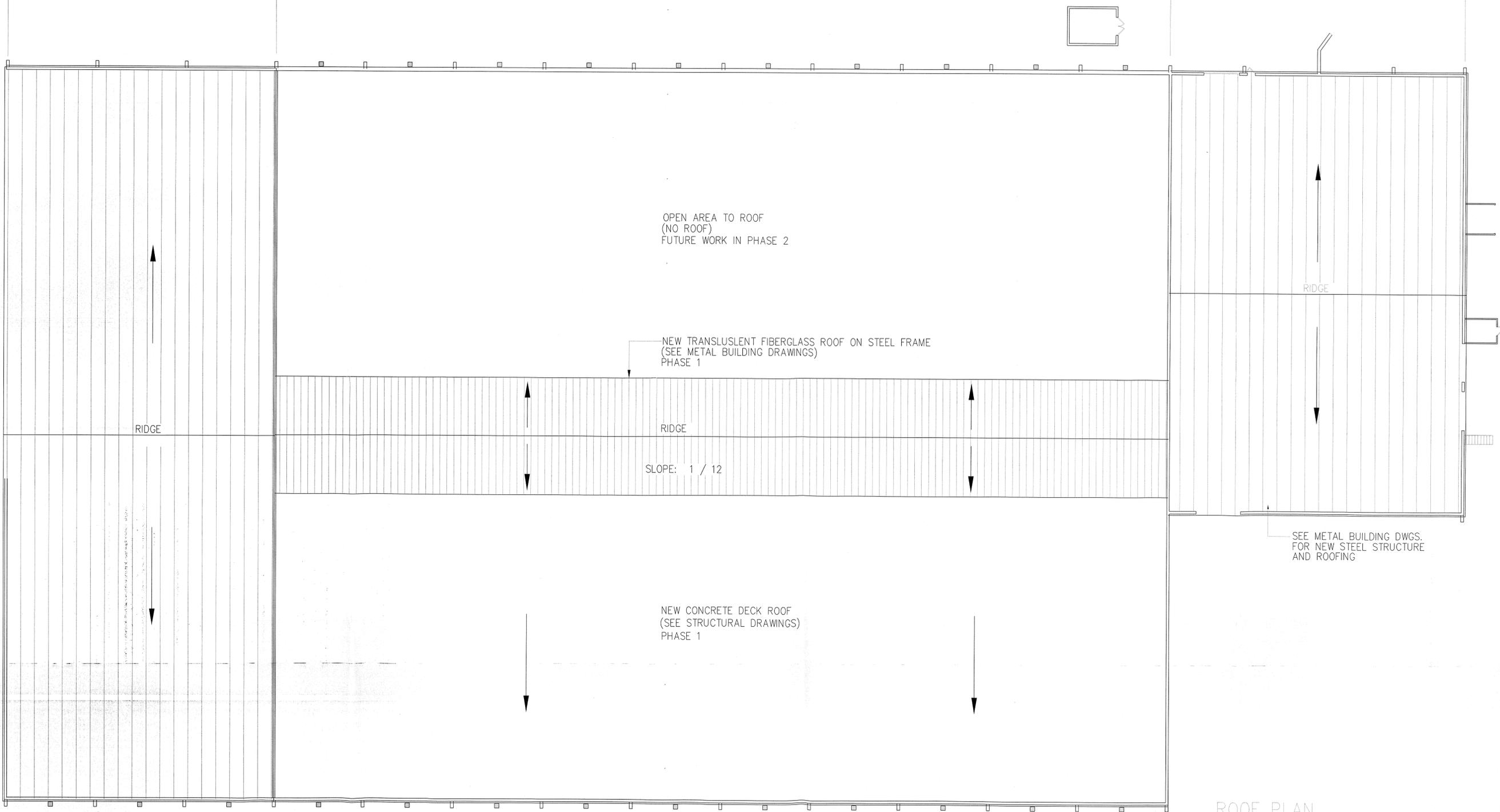
Drawn By: HWC  
Date: 4/11/2011  
Revisions:

**SHEET**  
**A1.2**

PHASE III  
REPLACE STEEL FRAME AND SS ROOF  
90'-0"

PHASE I  
REMOVE EXISTING STEEL STRUCTURE AND ROOF - CONSTRUCT NEW CONCRETE ROOF DECK AND TRANSLUCENT ROOF AREA OVER SOUTH SIDE. NORTH SIDE TO BE LEFT OPEN IN PHASE 1  
300'-0"

PHASE I  
REPLACE STEEL FRAME AND SS ROOF  
99'-0"



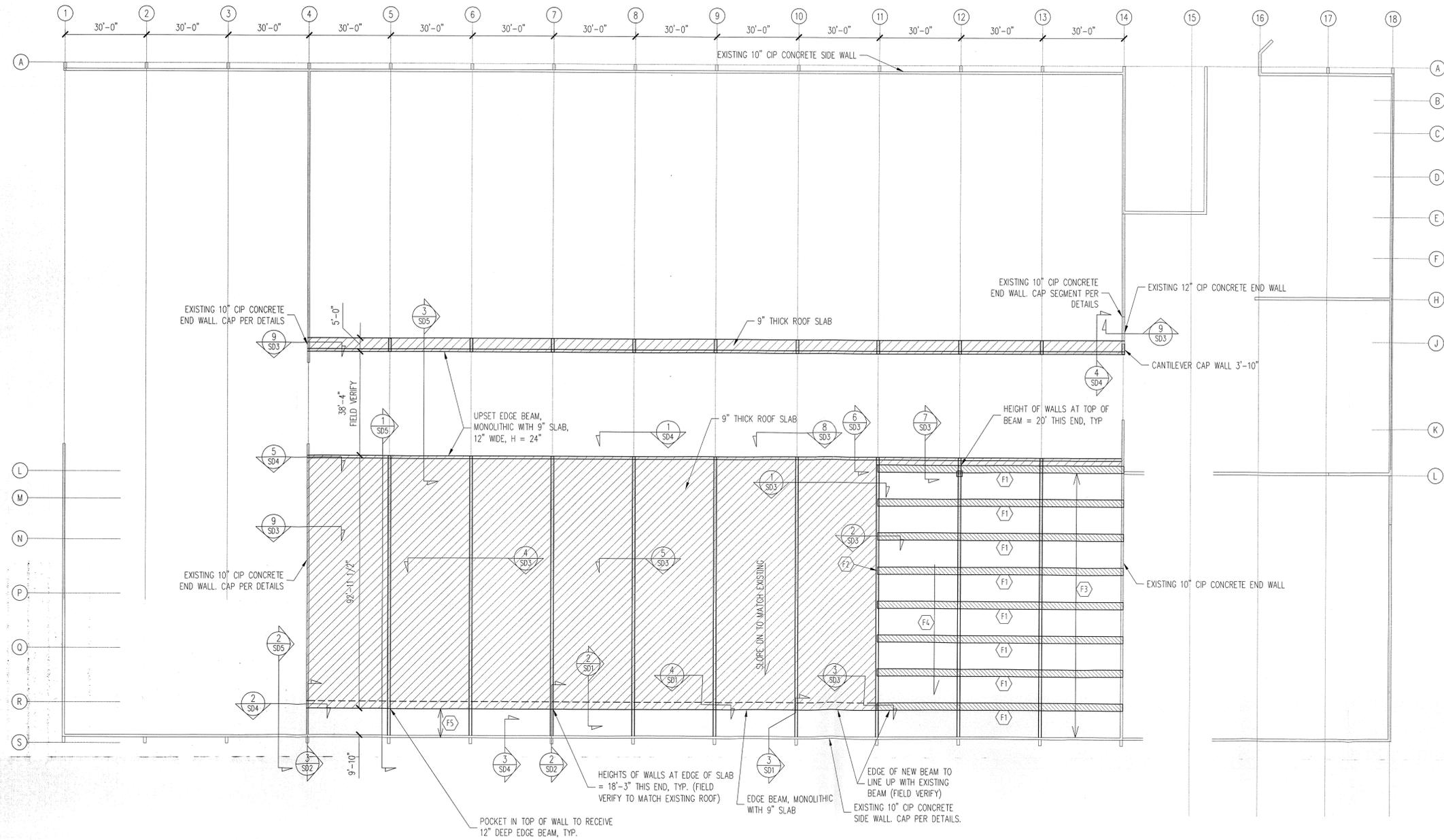
ROOF PLAN  
SCALE : 1/16" = 1'-0"

McGill Environmental Systems  
Composting Facility  
Chatham County  
New Hill NC

Drawn By : HWC  
Date: 4/11/2011  
Revisions:

SHEET  
A1.3

7/20/2011 11:42:45 AM



NOTE: ALL CONCRETE SLABS TO HAVE 5/8" CAMBER.  
 ALL SECTIONS OF SLAB TO BE TWO SPAN MIN  
 CONDITION. PLACE CONTROLL JOINTS ACCORDINGLY.

FRAMING PLAN  
 3/64" = 1'-0"

| FRAMING SCHEDULE |  |
|------------------|--|
| F1               | EXISTING CIP CONCRETE BEAM 28" WIDE X 12" THICK              |
| F2               | SLAB BEARS ON EXISTING WALL AT EXISTING BEAMS, TYP.          |
| F3               | EXISTING RESOLITE DECKING AT EXISTING BEAMS                  |
| F4               | EXISTING ROOF SLOPES DN                                      |
| F5               | RESOLITE ROOF DECKING BY OTHERS BTWN SIDE WALL AND EDGE BEAM |
| NOTES:           |  |

|         |  |
|---------|--|
| CLIENT: | McGILL ENVIRONMENTAL SYSTEMS           |
| SCOPE:  | ADD CONCRETE WALLS, BEAMS              |
| LOC:    | 634 CHRISTIAN CHAPEL CH ROAD, NEW HILL |
| ENG:    | KWT                                    |
| REV:    |  |
| DATE:   | 6-22-11                                |

PROJECT NO.  
 11-65-161

SHEET NO.  
 S2