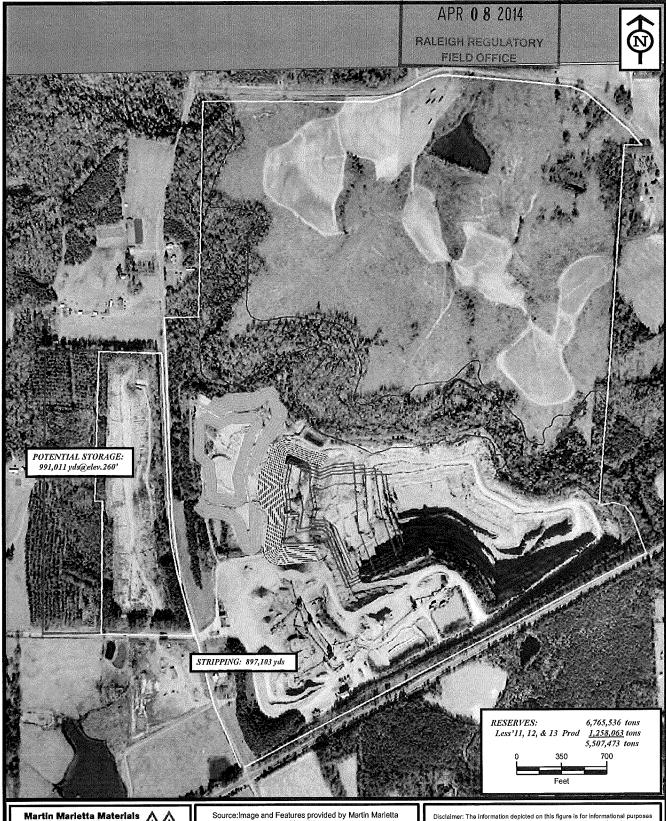


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3.1.1 No Action Alternative

### **Benson Quarry**

Johnston County, North Carolina

Project: ER12191.01 Date: Mar 2014 KT/RT Drwn/Chkd: Figure: 1.1





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3.1.2 Removal of Existing Waste Pile

# **Benson Quarry**

Johnston County, North Carolina

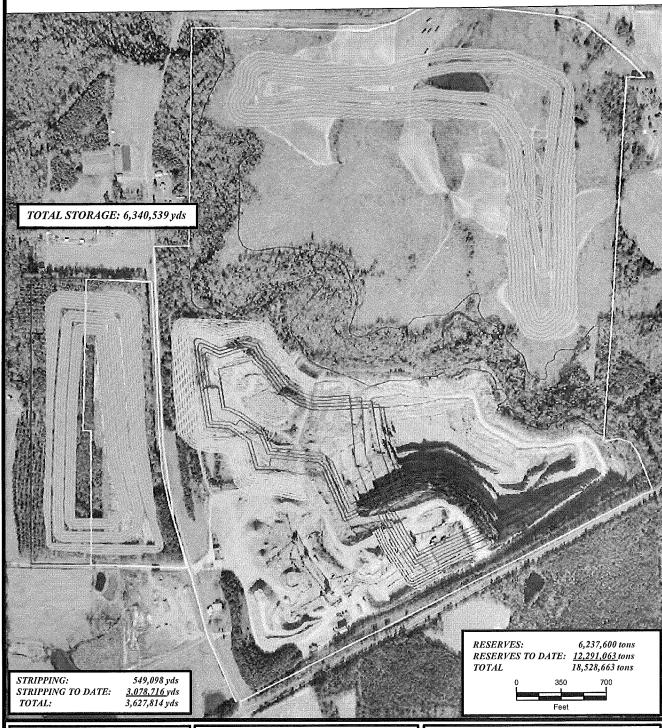
Project: ER12191.01

Date: Mar 2014

Drwn/Chkd: KT/RT

Figure: 1.2





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3.1.3 Relocation of Primary Crushing Station

# **Benson Quarry**

Johnston County, North Carolina

Project: ER12191.01
Date: Mar 2014
Drwn/Chkd: KT/RT
Figure: 1.3

 STRIPPING:
 897,103 yds.

 Channel:
 785,660 yds.

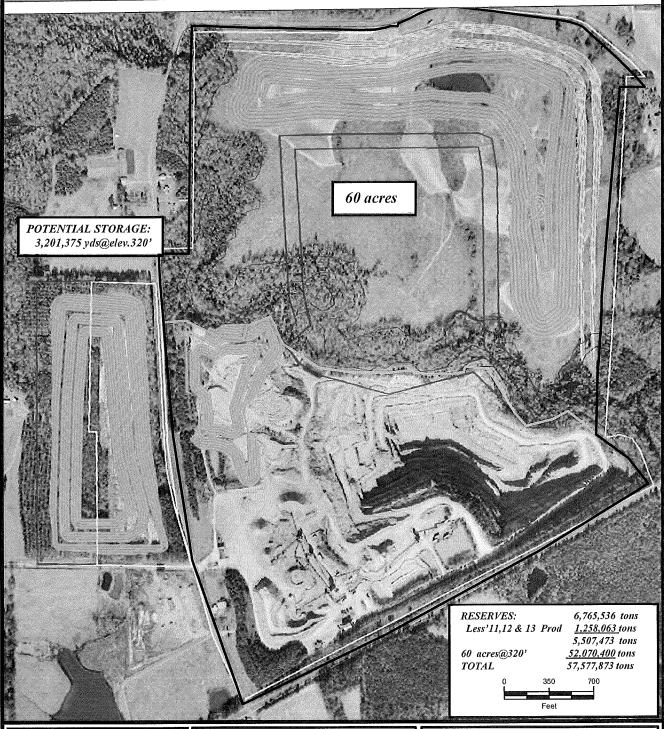
 North Pit:
 7,948,057 yds.

 TOTAL STRIPPING:
 9,630,820 yds.

POTENTIAL STORAGE: 3,139,164 yds@elev.260'

TOTAL STORAGE: 7,331,550 yds.







Source:Image and Features provided by Martin Marietta Materials.

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3.1.4 Pit Expansion Through Wetlands with Diversion Channel North of Overburden Pile

### **Benson Quarry**

Johnston County, North Carolina

 Project:
 ER12191.01

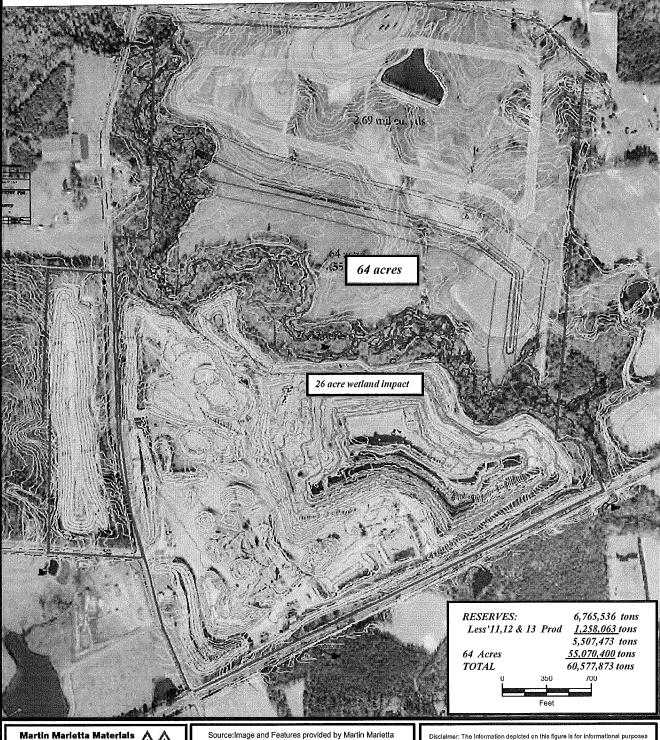
 Date:
 Mar 2014

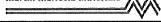
 Drwn/Chkd:
 KT/RT

 Figure:
 1.4

### **POTENTIAL STORAGE:** 2,700,000 yds<sup>3</sup>







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3.1.5 Pit Expansion Through Wetlands with Diversion Channel South of Overburden Pile (Preferred Alternative)

### **Benson Quarry**

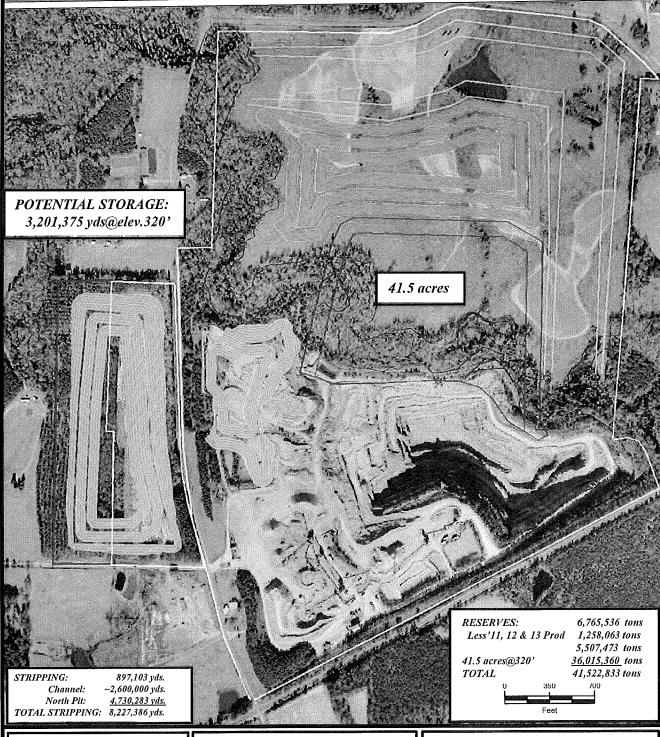
Johnston County, North Carolina

Project: ER12191.01 Date: Mar 2014 KT/RT Drwn/Chkd: Figure: 1.5

TOTAL STORAGE: 8,144,186 yds.

# POTENTIAL STORAGE: 3,951,800 yds.





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3.1.6 Narrow Pit Expansion through Wetlands

### **Benson Quarry**

Johnston County, North Carolina

Project: ER12191.01

Date: Mar 2014

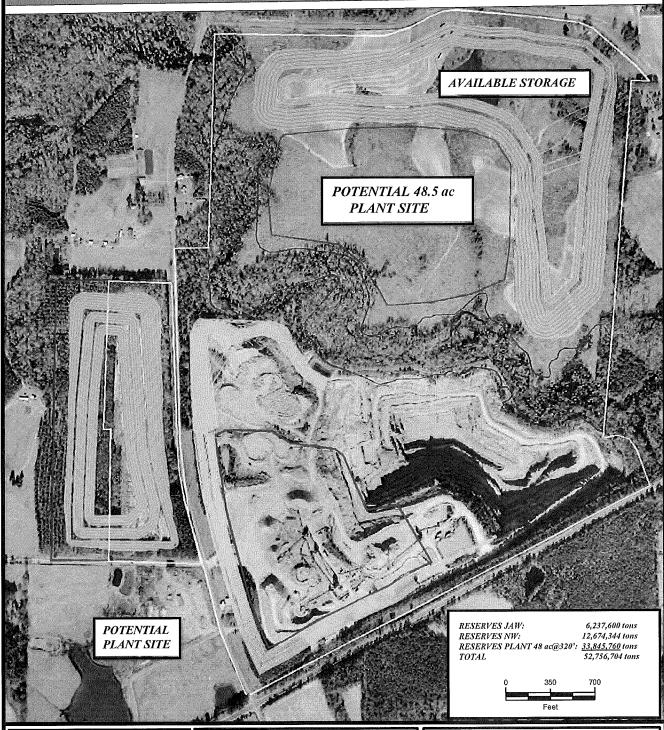
Drwn/Chkd: KT/RT

Figure: 1.6

RESERVES JAW: RESERVES NW: 6,237,600 tons 12,674,344 tons RESERVES PLANT 48 ac@320': 33,845,760 tons TOTAL 52,756,704 tons

### TOTAL STORAGE: 8,737,477 yds





Martin Marietta Materials

Source:Image and Features provided by Martin Marietta

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3.1.7 New Pit on Johnson Property **Benson Quarry** 

Johnston County, North Carolina

Project: ER12191.01 Date: Mar 2014

Drwn/Chkd: KT/RT Figure: 1.7

 RESERVES JAW:
 6,237,600 tons

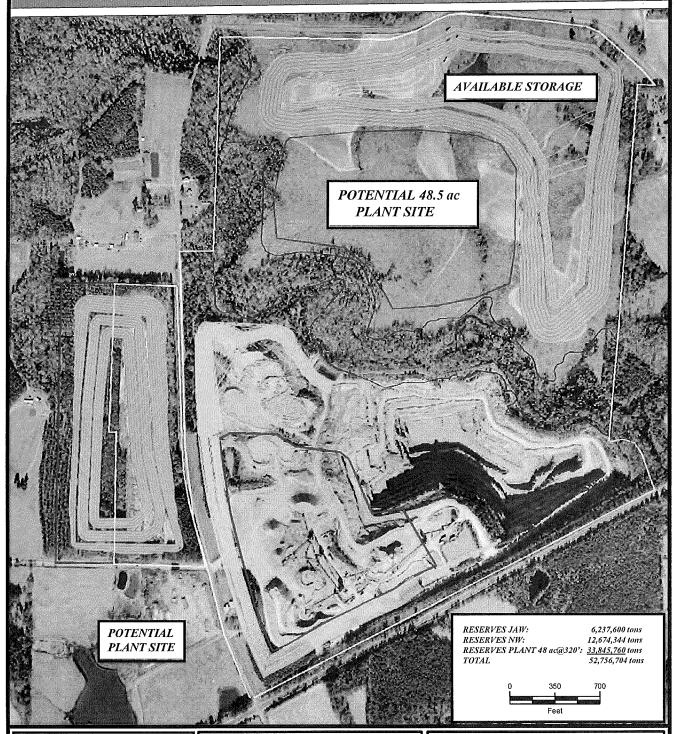
 RESERVES NW:
 12,674,344 tons

 RESERVES PLANT 48 ac@320':
 33,845,760 tons

 TOTAL
 52,756,704 tons

### TOTAL STORAGE: 8,737,477 yds





Martin Marietta Materials



Source:Image and Features provided by Martin Marietta Materials.

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3.1.8 Relocation of Plant to Johnson Property

# **Benson Quarry**

Johnston County, North Carolina

 Project:
 ER12191.01

 Date:
 Mar 2014

 Drwn/Chkd:
 KT/RT

 Figure:
 1.8

 RESERVES JAW:
 6,237,600 tons

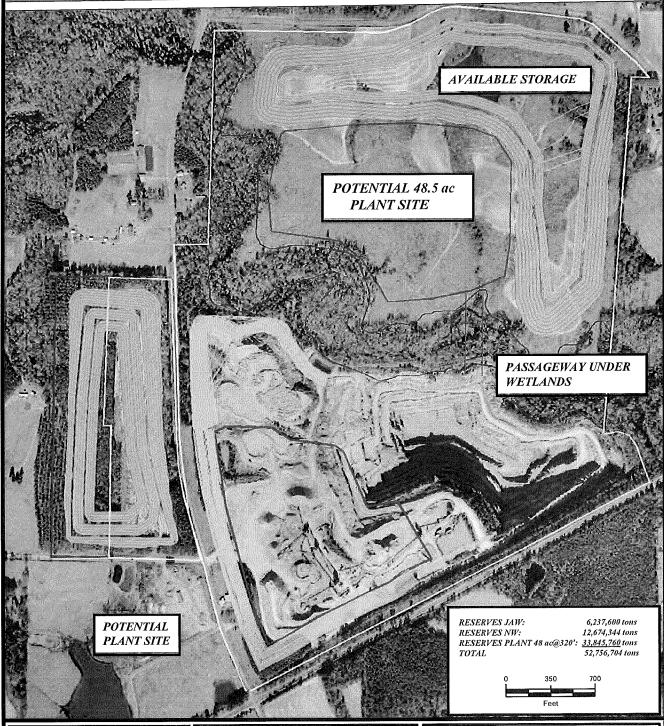
 RESERVES NW:
 12,674,344 tons

 RESERVES PLANT 48 ac@320:
 33,845,760 tons

 TOTAL
 52,756,704 tons

### TOTAL STORAGE: 8,737,477 yds





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3.1.9 Passageway Under Wetlands

Benson Quarry
Johnston County, North Carolina

Project: ER12191.01

Date: Mar 2014

Drwn/Chkd: KT/RT Figure: 1.9

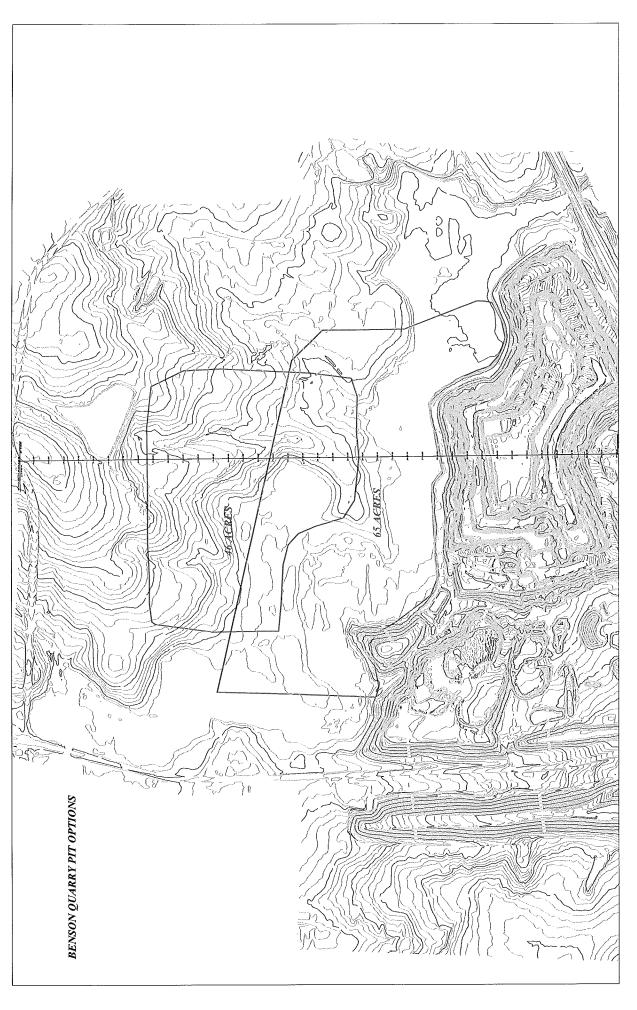
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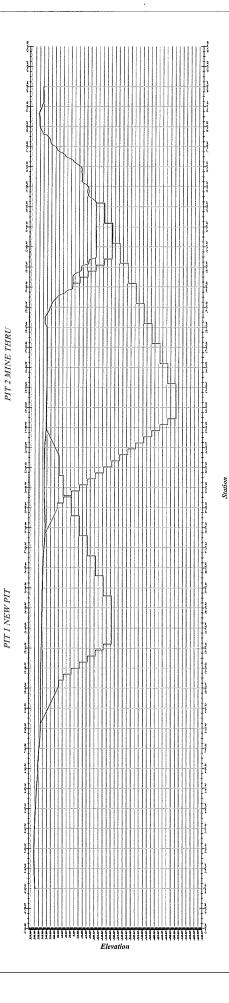
APR 08 2014

RALEIGH REGULATORY FIELD OFFICE

Stony Fork Diversion Channel Typical Section Martin Marietta Materials

CROSS-SECTION No. 1





CROSS-SECTION No. 2B