FAIRFIELD I-77 DEVELOPMENT SITE, E&SC PLAN - INITIAL PHASE
LUCK STONE CORPORATION
FAIRFIELD COUNTY, SOUTH CAROLINA

MARCH 23, 2021

SITE DATA

PARCEL ID(S):
166-00-00-018-000,
166-00-00-028-000,
166-00-00-030-000

SITE ADDRESS:
SC HIGHWAY 34
RIDGEWAY, SOUTH CAROLINA
742 AC

EXISTING ZONING:
R2

PROPOSED USE:
AGGREGATE MINE OPERATIONS

LATITUDE:
34°18'52.92"N (34.3147°)

LONGITUDE:
-81°1'10.92"W (-81.0197°)

RIVER BASIN:
LAKE WATEREE-CATAWBA RIVER

RECEIVING WATERBODY:
DUTCHESS CREEK

OWNER:
LUCK STONE CORPORATION

ADDRESS:
515 STONE MILL DRIVE (PO BOX 29682)
RICHMOND, VIRGINIA 23242

PHONE NO.:
(804) 784-6300

CONTACT NAME:
BRUCE SMITH

CONTACT E-MAIL ADDRESS:
brucesmith@luckcompanies.com

PROJECT REPRESENTATIVE:
S&ME INC.

ADDRESS:
2016 ARSLEY TOWN BLVD. SUITE 2-A
CHARLOTTE, NC 28273

PHONE NO.:
(704) 523-4726

CONTACT NAME:
CHRISTOPHER L. STAHL

CONTACT E-MAIL ADDRESS:
cstahl@smeinc.com

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REFERENCES:
BING MAPS
BING MAPS

VICINITY MAP

SCALE: 1" = 5,000'

SITE LOCATION

SCALE: 1" = 2,000'

PREPARED FOR
LUCK STONE

CIVIL ENGINEER

515 STONE MILL DRIVE
RICHMOND, VIRGINIA 23242
(804) 784-6300

2016 ARSLEY TOWN BLVD.
SUITE 2-A
CHARLOTTE, NC 28273
(704) 523-4726

DRAWINGS

NUMBER
TITLE
1
EXISTING CONDITIONS PLAN
2
OVERALL SITE PLAN
3
DETAILS (SHEET 1 OF 4)
4
DETAILS (SHEET 2 OF 4)
5
DETAILS (SHEET 3 OF 4)
6
DETAILS (SHEET 4 OF 4)
CONSTRUCTION ENTRANCE

1. CONSTRUCTION ENTRANCE NOTES
   a. The construction entrance and washout areas may be necessary based on construction activities.
   b. The construction entrance should be designed to control traffic and prevent erosion.
   c. Sediment basins and washout structures shall be designed to manage sediment and erosion.
   d. Barriers and signs shall be placed to alert workers to the presence of construction activities.
   e. Appropriate drainage shall be provided to minimize the impact on existing infrastructure.

2. TEMORARY MATTING NOTES
   a. Temporary matting should be used to protect the site during construction.
   b. Matting shall be placed at the beginning and end of the construction area.
   c. Matting shall be removed after construction activities are completed.
   d. Matting shall be replaced as necessary to protect the site.

3. TEMPORARY CULVERT NOTES
   a. Temporary culverts shall be installed to control stormwater runoff.
   b. Culverts shall be sized to handle the anticipated flow.
   c. Culverts shall be replaced with permanent structures as construction progresses.
   d. Culverts shall be checked for proper alignment and stability.

4. CONTRACTOR NOTES
   a. The contractor shall be responsible for maintaining the construction site.
   b. The contractor shall be responsible for ensuring proper drainage and erosion control.
   c. The contractor shall coordinate with the engineer to ensure compliance with construction specifications.
   d. The contractor shall be responsible for any damages caused by construction activities.

5. PROJECT LIMITS
   a. Construction activities shall be limited to the project area.
   b. Construction activities shall not exceed the project limits.
   c. Construction activities shall be stopped during adverse weather conditions.
   d. Construction activities shall be monitored by the project engineer.

6. ROADWAY NOTES
   a. Roadways shall be designed to accommodate the anticipated traffic volume.
   b. Roadways shall be constructed to withstand the expected loads.
   c. Roadways shall be maintained to ensure proper drainage.
   d. Roadways shall be separated from construction areas by barriers.

7. CONSTRUCTION ENTRANCE PLAN VIEW
   a. Construction entrance plan view shall show the location of construction activities.
   b. Construction entrance plan view shall show the location of temporary matting.
   c. Construction entrance plan view shall show the location of temporary culverts.
   d. Construction entrance plan view shall show the location of permanent structures.

8. CONSTRUCTION ENTRANCE SECTION VIEW
   a. Construction entrance section view shall show the cross-section of the construction entrance.
   b. Construction entrance section view shall show the location of temporary matting.
   c. Construction entrance section view shall show the location of permanent structures.
   d. Construction entrance section view shall show the location of temporary culverts.

9. CONSTRUCTION ENTRANCE ISOMETRIC VIEW
   a. Construction entrance isometric view shall show the three-dimensional perspective of the construction entrance.
   b. Construction entrance isometric view shall show the location of temporary matting.
   c. Construction entrance isometric view shall show the location of permanent structures.
   d. Construction entrance isometric view shall show the location of temporary culverts.

10. CONSTRUCTION ENTRANCE DRAWING NUMBER
    a. Construction entrance drawing number shall be included on all construction entrance drawings.
    b. Construction entrance drawing number shall be unique to each construction entrance.
    c. Construction entrance drawing number shall be referenced in the project specifications.
    d. Construction entrance drawing number shall be referenced in the project plans.

11. CONSTRUCTION ENTRANCE SCALE
    a. Construction entrance scale shall be shown on all construction entrance drawings.
    b. Construction entrance scale shall be consistent with other project drawings.
    c. Construction entrance scale shall be shown in both feet and inches.
    d. Construction entrance scale shall be shown in both metric and imperial units.

12. CONSTRUCTION ENTRANCE COMMENTS
    a. Construction entrance comments shall be included on all construction entrance drawings.
    b. Construction entrance comments shall be referenced in the project specifications.
    c. Construction entrance comments shall be referenced in the project plans.
    d. Construction entrance comments shall be used to communicate changes and updates to the construction entrance.

13. CONSTRUCTION ENTRANCE REVISED DATE
    a. Construction entrance revised date shall be included on all construction entrance drawings.
    b. Construction entrance revised date shall be updated as necessary to reflect changes to the construction entrance.
    c. Construction entrance revised date shall be shown in the lower right corner of the drawing.
    d. Construction entrance revised date shall be referenced in the project specifications.

14. CONSTRUCTION ENTRANCE BY
    a. Construction entrance by shall be included on all construction entrance drawings.
    b. Construction entrance by shall be shown in the lower right corner of the drawing.
    c. Construction entrance by shall be referenced in the project specifications.
    d. Construction entrance by shall be used to identify the contractor responsible for the construction entrance.

15. CONSTRUCTION ENTRANCE PROJECT NAME
    a. Construction entrance project name shall be included on all construction entrance drawings.
    b. Construction entrance project name shall be shown in the upper left corner of the drawing.
    c. Construction entrance project name shall be referenced in the project specifications.
    d. Construction entrance project name shall be used to identify the project being constructed.

16. CONSTRUCTION ENTRANCE DRAWING NUMBER
    a. Construction entrance drawing number shall be included on all construction entrance drawings.
    b. Construction entrance drawing number shall be unique to each construction entrance.
    c. Construction entrance drawing number shall be referenced in the project specifications.
    d. Construction entrance drawing number shall be referenced in the project plans.

17. CONSTRUCTION ENTRANCE SCALE
    a. Construction entrance scale shall be shown on all construction entrance drawings.
    b. Construction entrance scale shall be consistent with other project drawings.
    c. Construction entrance scale shall be shown in both feet and inches.
    d. Construction entrance scale shall be shown in both metric and imperial units.

18. CONSTRUCTION ENTRANCE COMMENTS
    a. Construction entrance comments shall be included on all construction entrance drawings.
    b. Construction entrance comments shall be referenced in the project specifications.
    c. Construction entrance comments shall be referenced in the project plans.
    d. Construction entrance comments shall be used to communicate changes and updates to the construction entrance.

19. CONSTRUCTION ENTRANCE REVISED DATE
    a. Construction entrance revised date shall be included on all construction entrance drawings.
    b. Construction entrance revised date shall be updated as necessary to reflect changes to the construction entrance.
    c. Construction entrance revised date shall be shown in the lower right corner of the drawing.
    d. Construction entrance revised date shall be referenced in the project specifications.

20. CONSTRUCTION ENTRANCE BY
    a. Construction entrance by shall be included on all construction entrance drawings.
    b. Construction entrance by shall be shown in the lower right corner of the drawing.
    c. Construction entrance by shall be referenced in the project specifications.
    d. Construction entrance by shall be used to identify the contractor responsible for the construction entrance.

21. CONSTRUCTION ENTRANCE PROJECT NAME
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    c. Construction entrance drawing number shall be referenced in the project specifications.
    d. Construction entrance drawing number shall be referenced in the project plans.

23. CONSTRUCTION ENTRANCE SCALE
    a. Construction entrance scale shall be shown on all construction entrance drawings.
    b. Construction entrance scale shall be consistent with other project drawings.
    c. Construction entrance scale shall be shown in both feet and inches.
    d. Construction entrance scale shall be shown in both metric and imperial units.

24. CONSTRUCTION ENTRANCE COMMENTS
    a. Construction entrance comments shall be included on all construction entrance drawings.
    b. Construction entrance comments shall be referenced in the project specifications.
    c. Construction entrance comments shall be referenced in the project plans.
    d. Construction entrance comments shall be used to communicate changes and updates to the construction entrance.

25. CONSTRUCTION ENTRANCE REVISED DATE
    a. Construction entrance revised date shall be included on all construction entrance drawings.
    b. Construction entrance revised date shall be updated as necessary to reflect changes to the construction entrance.
    c. Construction entrance revised date shall be shown in the lower right corner of the drawing.
    d. Construction entrance revised date shall be referenced in the project specifications.

26. CONSTRUCTION ENTRANCE BY
    a. Construction entrance by shall be included on all construction entrance drawings.
    b. Construction entrance by shall be shown in the lower right corner of the drawing.
    c. Construction entrance by shall be referenced in the project specifications.
    d. Construction entrance by shall be used to identify the contractor responsible for the construction entrance.

27. CONSTRUCTION ENTRANCE PROJECT NAME
    a. Construction entrance project name shall be included on all construction entrance drawings.
    b. Construction entrance project name shall be shown in the upper left corner of the drawing.
    c. Construction entrance project name shall be referenced in the project specifications.
    d. Construction entrance project name shall be used to identify the project being constructed.
1. Support ropes or wire trenched into bottom and side slopes to prevent sagging.

2. Flared end sections.

3. Support wire staked for material placement.

4. Plant erosion control vegetation.

5. Stabilize or removed.

6. Check for areas where stormwater runoff has accumulated.

7. Interface sections using heavy-duty plastic ties at least 36 inches on center.

8. Erosion control vegetation and stabilizing material.


11. Cross-section view.

12. Isometric view.

13. Scale: N.T.S.

SILT FENCE NOTES:

1. The height of posts shall be a minimum of 12-inches above the fabric. Posts shall be spaced at a maximum of 6-feet on center. Install posts to a minimum of 24-inches. A minimum height of 1 to 2-inches above the fabric should be maintained, and a maximum height of 3 feet shall be maintained above the ground. Where the fence has sagged or collapsed due to runoff overtopping the silt fence, install steel posts using a minimum of six (6) feet on center that are one and a half (1 1/2) inches in diameter. Posts shall be equipped with projections to aid in fastening of filter fabric.

2. Steel posts may need to have a metal soil stabilization plate welded near the bottom when the post is at least 12-inches deep. Steel posts are placed up to a maximum of 100-feet from the source of erosion.

3. Filter fabric shall be placed within excavated trenches and secured when the slope has a maximum depth of less than 12-inches of the fabric should be placed within excavated trenches and secured when the area above the measure has been permanently stabilized.

4. A 30 degree angle from the ends of the measures. Use 12-inch Filtrexx® compost filter sock or another approved equivalent.

5. When multiple compost filter socks are used, install a minimum of 18-in. overlap. When installing, use 2-inch by 2-inch by 3-foot wooden stakes to hold the fabric in place. Space stakes every 10 linear feet. Drive the stake to a minimum of 1-foot into the ground leaving a minimum of 3-inches of the stake extending above the ground.