

R-358-2016
 Original: R-714-2015
 Contract #: 242-2015

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|--|--|-----------------------------|
| LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER Page 1 of 2 | Date: | June 3, 2016 |
| | Project: | Idle Hour Park Improvements |
| | Location: | Lexington |
| To (Contractor): Bluegrass Contracting Corporation 1075 Red Mile Road Lexington, KY 40504 | Contract No. | 242-2015 |
| | Original Contract Amt. | \$479,230.00 |
| | Cumulative Amount of Previous Change Orders | \$219,497.35 |
| | Percent Change - Previous Change Orders | 45.80% |
| | Total Contract Amount Prior to this Change Order | \$698,727.35 |
| | Change Order No. | 3 |

You are hereby requested to comply with the following changes from the contract plans and specification;

Current Change Order

| Item No. | Description of changes-quantities, unit prices, change in completion date, etc. | Decrease in contract price | Increase in contract price |
|----------|---|----------------------------|----------------------------|
| 1 | Soil Remediation Costs Not To Exceed Allowance | | \$60,000.00 |
| 2 | Soil Remediation for passenger drop off and vehicle turn-around (fixed price) | | \$21,678.00 |
| | Total decrease | \$0.00 | |
| | Total increase | | \$81,678.00 |
| | Net Amount of this Change Order | \$81,678.00 | |
| | New Contract Amount Including this Change Order | \$780,405.35 | |
| | Percent Change - This Change Order | | 17.04% |
| | Percent Change - All Change Orders | | 62.85% |

The time provided for the completion in the contract and all provisions of the contract will apply hereto.

| | | |
|-----------------------------------|-------------------|---------------------|
| Recommended by <i>Gene Thomas</i> | (Project Manager) | Date <i>6/6/16</i> |
| Accepted by <i>Gene Thomas</i> | (Contractor) | Date <i>6/6/16</i> |
| Approved by <i>John B. ...</i> | (Director) | Date <i>6-6-16</i> |
| Approved by <i>John B. ...</i> | (Commissioner) | Date <i>6-6-16</i> |
| Approved by <i>John B. ...</i> | (Mayor or CAO) | Date <i>6-16-16</i> |

JUSTIFICATION FOR CHANGE

PROJECT: Idle Hour Park Improvements

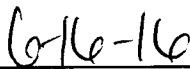
CONTRACT NO. 242-2015

CHANGE ORDER NO. 3

1. Necessity for change: 1. Requesting an additional allowance to remediate unsuitable soils found in the basketball court area and potential unsuitable soils at the added walking trail. Contactor will utilize the contract unit costs and each incidence of unsuitable soils will be reviewed and priced separately before authorization to proceed is given. 2. Additional unsuitable soils have been found in the passenger drop off and vehicle turn around area making additional remediation necessary.
2. Is proposed change an alternate bid? ___ Yes X No
3. Will proposed change alter the physical size of the project? ___ Yes X No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___ Yes X Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___ Yes X No
If "Yes", will the policies be extended? ___ Yes ___ No
7. Effect on operation and maintenance costs:
8. Effect on contract completion date: 10 calendar days (8 working days)



 Mayor



 Date

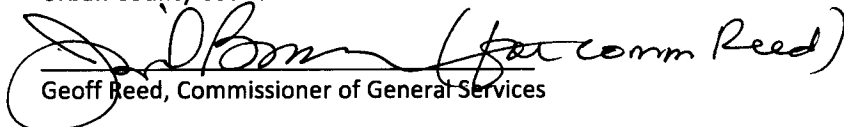
MAYOR JIM GRAY



LEXINGTON

GEOFFREY REED
COMMISSIONER
GENERAL SERVICES

TO: Mayor Jim Gray
Sally Hamilton
Urban County Council

FROM: 
Geoff Reed, Commissioner of General Services

CC: Jamshid Baradaran, Director, Facilities & Fleet Management

DATE: June 6, 2016

SUBJECT: Request Council Authorization to Execute Change Order #3 with Bluegrass Contracting Corporation in an amount **Not To Exceed** \$81,678.00 for the Idle Hour Park Improvements Project, Contract #242-2015

Request

Authorization to execute change order No. 3 for \$81,678.00 with Bluegrass Contracting Corporation, Lexington, Kentucky for the Idle Hour Park Improvements project. The new contract total is \$780,405.35.

Why are you requesting?

This change order is for soil remediation at Idle Hour Park where we are currently extending the parking area, adding a passenger drop off, and adding a vehicle turn around drive. Additional unsuitable soils were found in the passenger drop off and vehicle turn around area. The testing company has confirmed these conditions and using the remediation plan previously determined by our design consultant, the contractor has priced this work using the unit costs in the construction contract. The current area of remediation is priced at \$54,394.00. There is currently \$32,716 remaining in the initial soil remediation allowance which was approved in CO #2. \$21,678 is needed to complete this remediation.

We have been informed that additional unsuitable soils are present in the area where the basketball court will be developed but the full extent of that remediation is not yet known. There is still one walking trail that has not yet been excavated and considering the soils found throughout this park we would like to include an additional allowance for a **Not To Exceed** number of \$60,000. The contractor will be paid based on the contract unit costs if additional unsuitable soils are found. Each incidence of unsuitable soils will be reviewed by our design consultant in collaboration with the testing agency and LFUCG. The contractor will price the work and those costs will be reviewed by our design consultant and the LFUCG project manager before the contractor would be told to proceed.



It is important that this project is completed in time for the park to re-open once the construction of the new Senior Center is complete so we are proposing this approach to prevent further delays in construction.

What is the cost in this budget year and future budget years?

The cost for this FY is: \$81,678.00

The cost for future FY is: \$0

The funds are budgeted in:

Account numbers:

| FUND | DEPT ID | SECTION | ACCOUNT | AMOUNT |
|------|---------|---------|---------|-------------|
| 1105 | 606102 | 6081 | 90511 | \$61,418.00 |
| 2606 | 606102 | 6081 | 90511 | \$20,260.00 |

File Number: 0683-16

Director/Commissioner: Jamshid Baradaran, Director of Facilities & Fleet



BLUEGRASS CONTRACTING CORPORATION

P.O. Box 11638 Lexington, Kentucky 40576-1638 Ph: (859) 231-0069 Fax: (859) 281-6457

May 31st, 2016

Element Design
ATTN: Ramona Fry, Project Manager
400 Old Vine Street, Suite 206
Lexington, KY 40507

RE: Construction Services for Idle Hour Park Improvements
LFUCG Bid No. 103-2015

Dear Ms. Fry,

Below is our pricing to perform the undercut of unsuitable material for the roadway and retaining wall as detailed in the CSI reports dated May 24th and May 25th, 2016. I have adjusted the quantities based on CSI recommendation to undercut five (5) feet outside the edge of the roadway and include undercut under the retaining wall.

813 CY Unsuitable Soil Removal @ \$26 CY = \$21,138.00
1,057 TN #2 Stone @ \$28/TN = \$29,596.00
1,220 SY BX1200 @ \$3/SY = \$3,660.00

Total: \$54,394.00

These quantities are based on CSI site observation and recommendations in their report. We are also requesting an additional ten (10) calendar days be added to our contract for the additional time required to remove and replace the unsuitable material. Any delays in receiving a Notice to Proceed with this additional work could result in additional contract time being requested.

If you have any questions please feel free to call me at our office at (859) 231-0069. Thank you.

Sincerely,

Dave Luttrell, P.E.
Vice President
BLUEGRASS CONTRACTING CORP.



Consulting Services Incorporated

Lexington 859.309.6021 | Cincinnati 513.252.2059 | Louisville 502.532.8269
Geotechnical & Materials Engineering | IBC Special Inspection | Material Testing

| | | | |
|--------------------------|------------------------------|--------------------|-----------------------|
| PROJECT: | Idle Hour Park | JOB NUMBER: | LX160075 |
| CLIENT: | Bluegrass Contracting | WEATHER: | Clear, Low 80's |
| CSI PROFESSIONAL: | Shawn Ferrell - NICET II, SI | DATE: | Tuesday, May 24, 2016 |

Material Testing - Summary of Observations

A CSI representative arrived on-site as requested by Bluegrass Contracting to perform Material Testing Services for Soil Construction. While on site, the CSI representative met with Dave Luttrell and David Sleet with Bluegrass Contracting.

Bluegrass Contracting continued construction of the roadway and parking areas. The area of construction was performed between approximately 53 feet east from the west end of the existing retaining wall, extending west towards the proposed cul-de-sac.

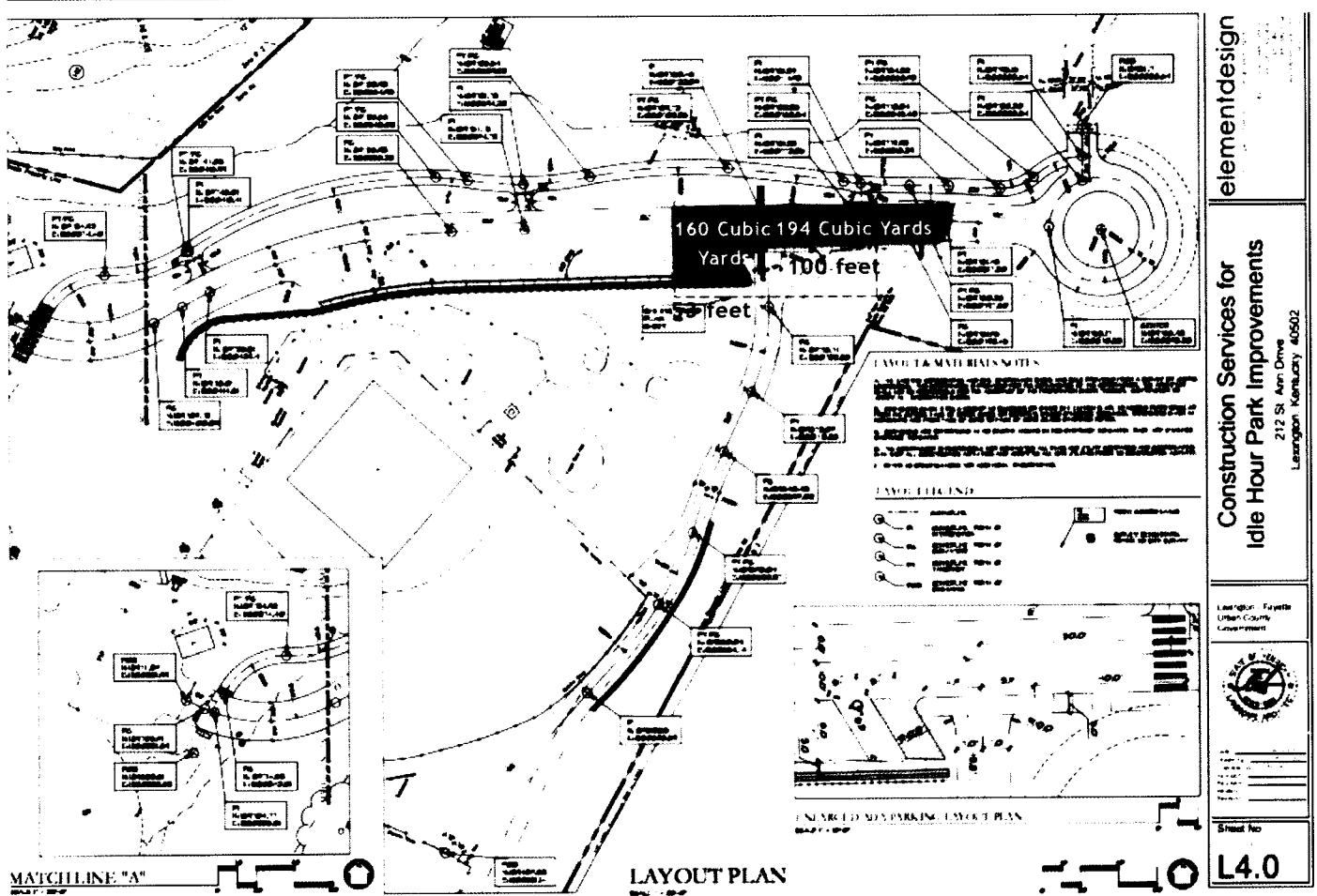
CSI observed a proof roll conducted by the contractor utilizing a fully loaded tai-axle for the soil sub-grade beginning at approximately 53 feet east from the west end of the retaining wall to 153 linear feet west. The proof-roll consisted of the loaded truck routing over the sub-grade in a forward and backward motion, then moving laterally one tire width and repeating the motion until the exposed sub-grade had been rolled.

The proof roll revealed soft pumping material throughout the roadway. The pumping was evident throughout the full width of the proposed roadway. The soft pumping area measured to be 53 feet by 32 feet and 100 feet by 20 feet. We would recommend to extend the roadway undercut 5 feet beyond the roadway to maintain stability for a total of 363 cubic yards measured to be undercut and replaced.

Based on our reconnaissance of the site and our understanding of the project we believe the soft soils encountered will not support the proposed construction and will need to be stabilized to facilitate the construction above the subgrade. Such stabilization can be achieved by undercutting the soft materials down two feet, lining the soft area with a reinforced geotextile fabric and backfilling with a #2 stone like aggregate back up to the designed subgrade elevation. Once the stabilization has occurred the area should be evaluated by proof rolling to verify stability prior to placement of the pavement section.

Observations were reported to Dave Luttrell and David Sleet with Bluegrass Contracting.

Figure 7: Approximate Area of Observations



Legend

Approximate Area of Pumping and Rutting-Undercut Required

Project Photos



Photo 1: View Of Roadway Being Cut To Grade



Photo 2: View Of Area Along The Retaining Wall

Project Photos



Photo 3: View Of Roadway Being Cut To Grade



Photo 4: View Of Loaded Truck Performing Proof Roll For The Subgrade

A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved. CSI professionals are represented on site solely to observe materials, installation, fabrication, erection or placement of components and connections to ensure compliance with approved construction documents and referenced standards. The presence and activities of our field representatives do not relieve any contractor from their obligation to meet contractual requirements.

This is the Final Field Report Reviewed By:



5/24/16

Shayne Brashear

Date

END OF REPORT



Consulting Services Incorporated

Lexington 859.309.6021 | Cincinnati 513.252.2059 | Louisville 502.532.8269
Geotechnical & Materials Engineering | IBC Special Inspection | Material Testing

| | | | |
|--------------------------|------------------------------|--------------------|-------------------------|
| PROJECT: | Idle Hour Park | JOB NUMBER: | LX160075 |
| CLIENT: | Bluegrass Contracting | WEATHER: | Clear, Low 80's |
| CSI PROFESSIONAL: | Shawn Ferrell - NICET II, SI | DATE: | Wednesday, May 25, 2016 |

Material Testing - Summary of Observations

A CSI representative arrived on-site as requested by Bluegrass Contracting to perform Material Testing Services for Soil Construction. While on site, the CSI representative met with Dave Luttrell and David Sleet with Bluegrass Contracting.

Bluegrass Contracting was cutting the roadway to the top of subgrade. One dozer was cutting the area to grade and pushing the cut material to a track hoe which was loading tri-axle dump trucks to haul off the site. The area of grade work was approximately 35 feet east and the cul-de-sac.

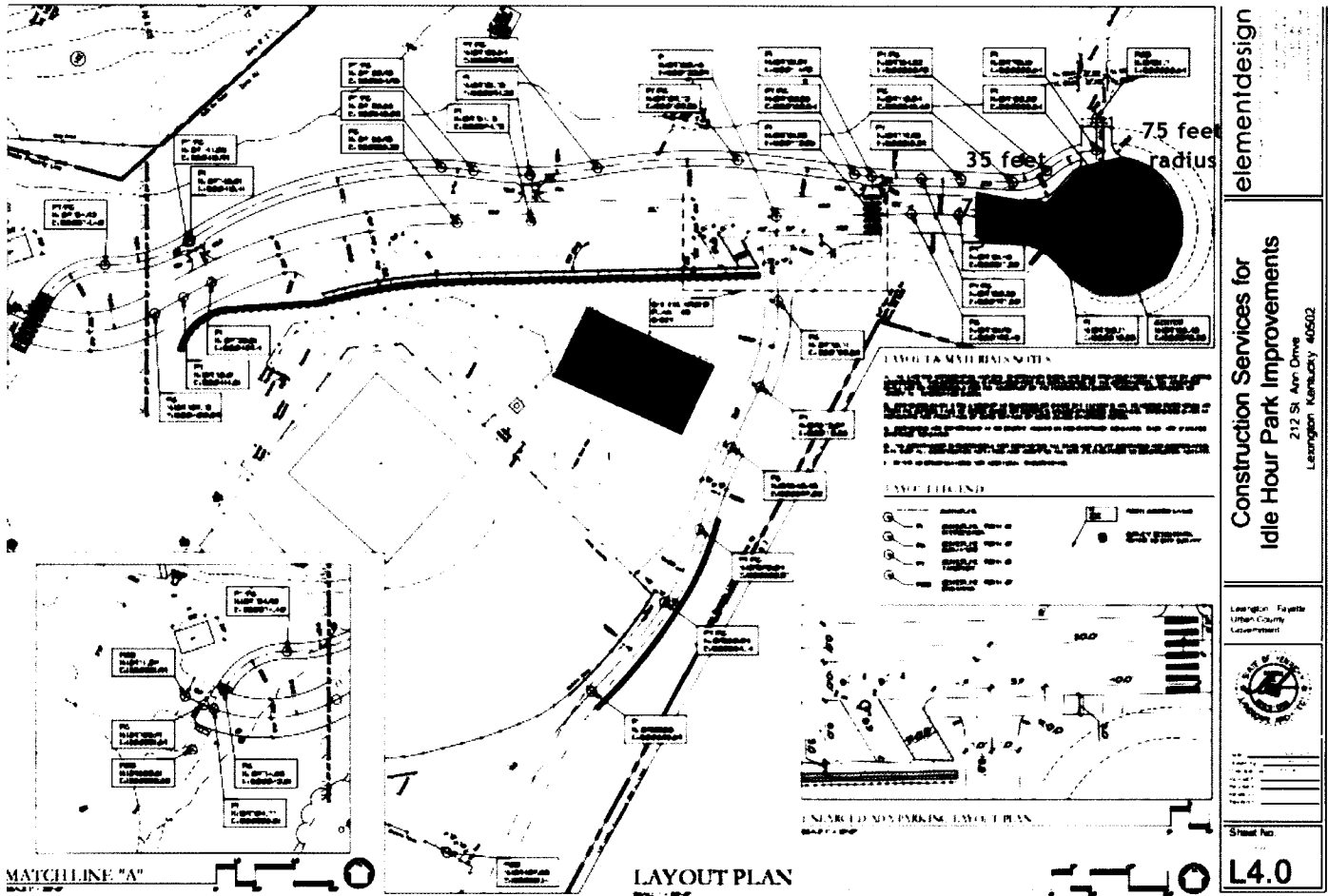
CSI observed a proof roll conducted by the contractor for the soil sub-grade approximately 35 feet of the roadway and the cul-de-sac utilizing a loaded tri-axle dump truck. The proof-roll consisted of the loaded truck routing over the sub-grade in a forward and backward motion, then moving laterally one tire width and repeating the motion until the exposed sub-grade had been rolled. The proof roll revealed soft pumping material throughout the roadway and the cul-de-sac. The pumping was evident throughout the full width of the proposed roadway. The soft pumping area measured to be 35 feet by 20 feet for the roadway and 75 feet radius of the cul-de-sac. We would recommend to extend the roadway undercut 5 feet beyond the roadway to maintain stability for a total of 450 cubic yards measured to be undercut and replaced.

Based on our reconnaissance of the site and our understanding of the project we believe the soft soils encountered will not support the proposed construction and will need to be stabilized to facilitate the construction above the subgrade. Such stabilization can be achieved by undercutting the soft materials down two feet, lining the soft area with a reinforced geotextile fabric and backfilling with a #2 stone like aggregate back up to the designed subgrade elevation. Once the stabilization has occurred the area should be evaluated by proof rolling to verify stability prior to placement of the pavement section.

Bluegrass Contracting cut the proposed basketball court to sub grade elevation. After the area had been cut, it was observed and appeared to have mixture of some clay and topsoil at this elevation.

Observations were reported to Dave Luttrell and David Sleet with Bluegrass Contracting.

Figure 1: Approximate Area of Observations



Legend

Approximate Area of Pumping and Rutting-Undercut Required

Approximate Area of Basketball Court

Project Photos



Photo 1: View Of Roadway Being Cut To Grade



Photo 2: View Of Cul-De-Sac Area Being Cut To Grade

Project Photos



Photo 3: View Of Loaded Truck Performing A Proof Roll To The Sub-Grade

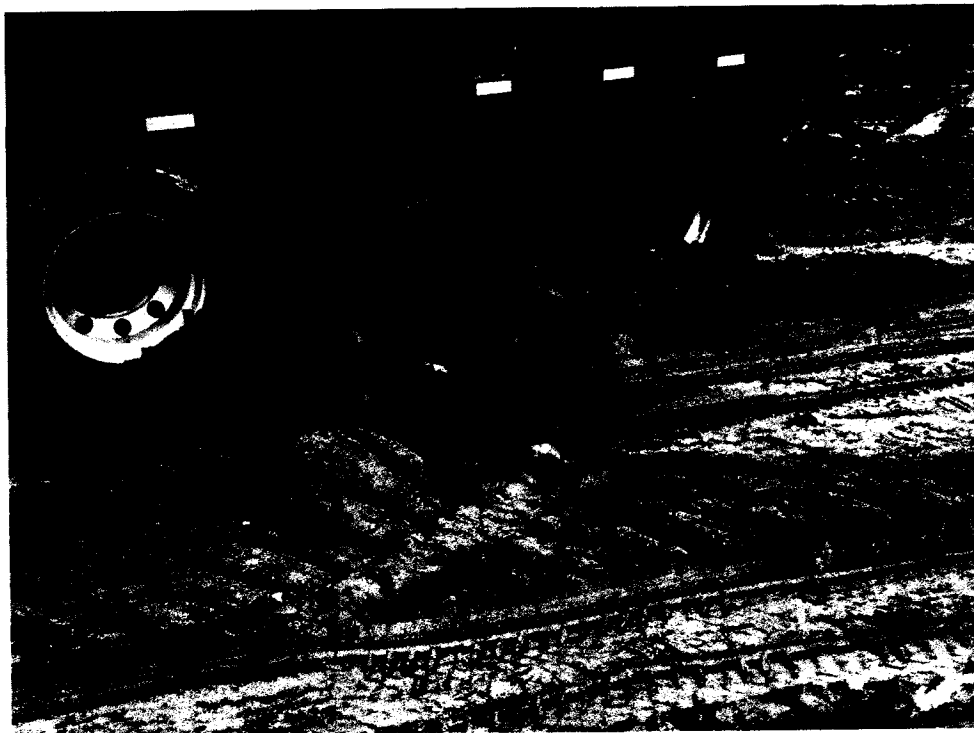


Photo 4: View Of Truck Rutting During The Proof Roll

Project Photos

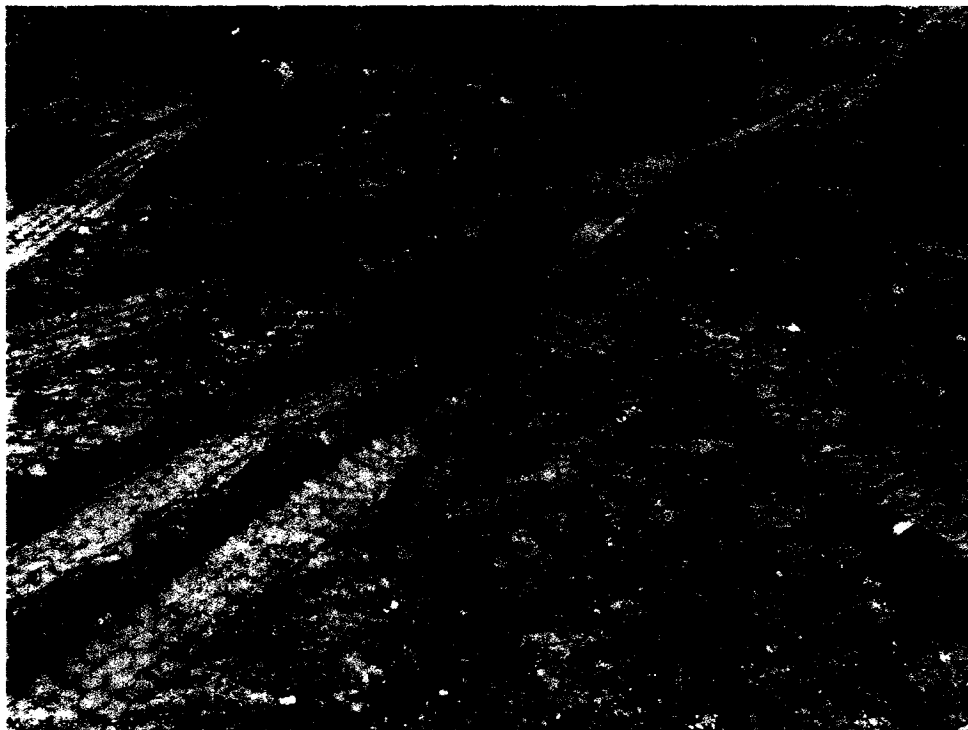


Photo 5: View Of Ruts In The Cul-De-Sac Area



Photo 6: View Of Ruts On Section Of Roadway

Project Photos

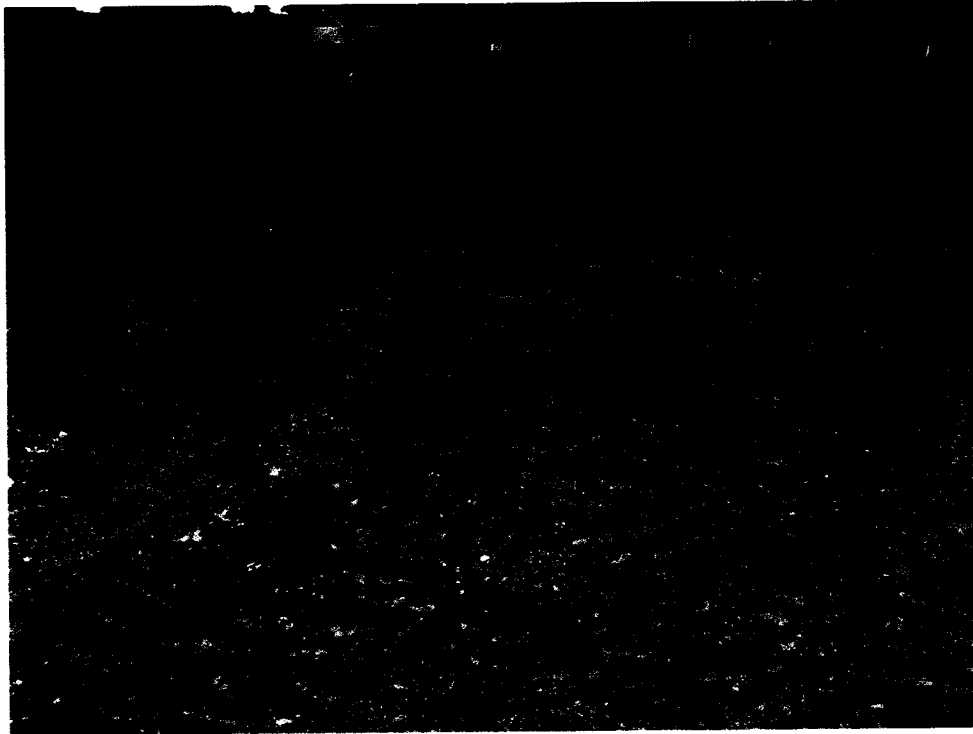


Photo 7: View Of Basketball Court Cut To Grade With Mixture Of Top Soil And Clay

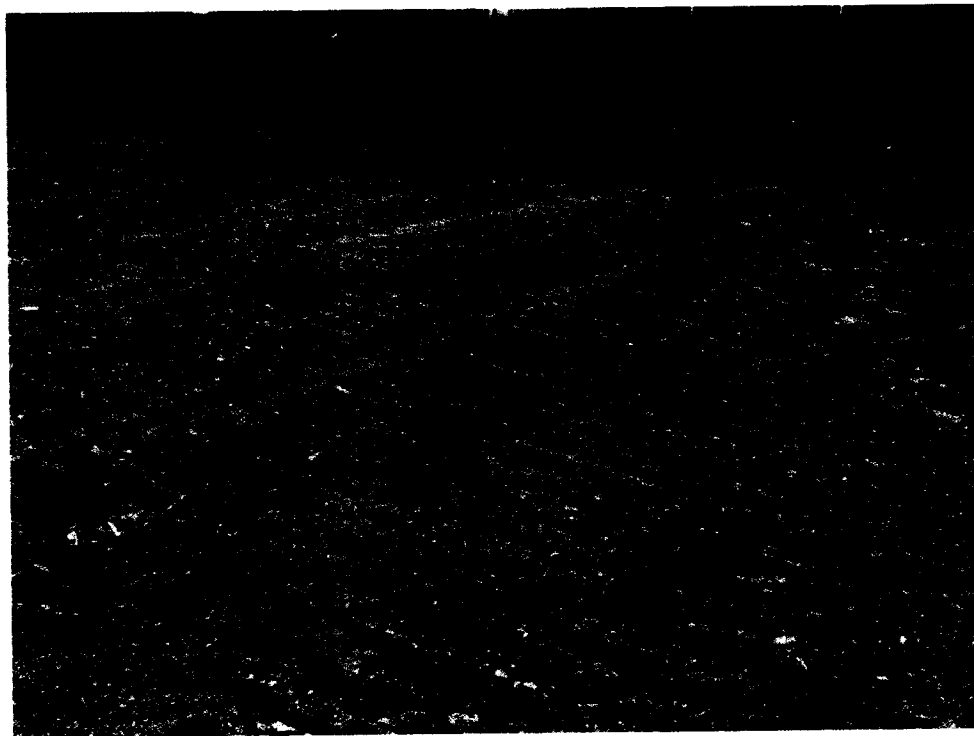


Photo 8: View Of Basketball Court Cut To Grade With Mixture Of Top Soil And Clay

A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved. CSI professionals are represented on site solely to observe materials, installation, fabrication, erection or placement of components and connections to ensure compliance with approved construction documents and referenced standards. The presence and activities of our field representatives do not relieve any contractor from their obligation to meet contractual requirements.

This is the Final Field Report Reviewed By:



5/25/16

Shayne Brashear

Date

END OF REPORT