

Lander University
Asphalt Pavement Repair - Brookside Circle Parking Lot

1. Scope:

The removal and replacement of parking lot asphalt and concrete curbing located between the Finis Horne Arena and the Brookside Housing Complex. This project scope includes the upper two tiers of the student parking lot. Please refer to Civil Drawing C1.0 and C2.0 for project limitations, details, and notes.

(Please note – Project document C2.0, dated 04-15-2022, showing ADA parking spaces, has been amended. Please refer to project document C2.0, dated 05-05-2022, for the correct parking lot striping plan)

2. Bid Structure:

Please refer to Civil Engineering Drawing C1.0 and C2.0

Base Bid: Replace the concrete curbing, as indicated
 Mill existing asphalt
 Disposal of all removed materials
 Provide a “passing” proof roll of the paved area
 Re-pave and stripe according to the project documents.

The bid documents requires the contractor to provide a unit price, per ton, to excavate unsuitable soils and replace with stone to stabilize, to ensure a passing proof-roll.

\$_____ / Ton

3. Design Engineer:

Mr. Chip Funderburk, PE
Heaner Design Group
110 Beattie Drive / PO Box 50627
Greenwood, South Carolina 29649
(864) 223-1553 – Office
(864) 229-5000 – Fax
www.heanergwd.com

4. Lander University Department of Engineering Services:

Mr. Jeff Beaver
320 Stanley Ave. (US Mail) / 204 West Henrietta Ave. (shipping)
Greenwood, SC 29649
(864) 388-8208
jbeaver@lander.edu

5. Project Location:

Lander University Campus (see page 3 map)

6. Inspections:

Lander University will be providing a State Approved, 3rd Party Inspection Firm to perform the necessary proof roll inspections. Contractor will provide a unit price per ton to excavate and replace with stone to stabilize and ensure a passing proof-roll. The 3rd Party Special inspection Firm will provide the final judgement on a passing proof roll.

The owner and/or representatives of the Heaner Design Group reserves the right to make spot checks throughout the duration of the project. The owner and/or representatives of the Heaner Design Group possess the authority to stop the project.

7. Project Timeline:

Lander University's intent is to award the project to the most Responsive, Responsible, and Insured contractor. Due to the expected value of this project, the State Procurement Code Mandatory 7 Business Day Protest Period will be observed, following the bid opening and posting of Intent to Award. The project may commence as soon as possible.

The completion date is no later than the close of business on Friday, August 05, 2022.

8. Pre-Bid Meeting:

There is not a scheduled pre-bid meeting. However, contractors are welcomed to contact the Lander University project contact for a site visit, or access the site on their own.

9. Standard Operating Procedures:

- a. Primary contractor and sub-contractors will be properly licensed for the type of work and the value of the work. Lander University will verify with LLR the licensing qualifications before work is awarded
- b. Primary contractor and sub-contractors will be properly insured for the type of work and the value of the work. Lander University will verify insurance before work is awarded
- c. Primary contractor and sub-contractors are required to be properly licensed with the City Of Greenwood.
- d. Contractor to coordinate with the Lander University Project Manager for issues such as start date, daily schedule, weekend work.
- e. Contractor responsible for enlarging the project documents.
- f. Contractor has the responsibility to provide waste containers and ensure the proper disposal for all waste generated.
- g. Lander University has a zero tolerance standard for allegation that contractor personnel acted in ways considered un-becoming to the university, have partaken in activity including, but not limited to, harassment, intimidation, cat-calling, threatened, and/or undertaken an unwelcomed approach towards university faculty, staff, students, and camp attendees.
- h. Lander University is a tobacco product free campus. The university project manager will handle violations.
- i. Contractor is responsible for providing an on-site facility for restroom use, if needed.

- j. Contractor is responsible for maintaining a clean project site throughout the project and once the work is complete.
- k. Lander University's project manager, design engineer and the contractor superintendent will walk the project site together, prior to acceptance by the owner.
- l. The contractor is responsible for resolving all punch-list items, prior to the university making the final payment.
- m. The Lander University Police Department is empowered to enforce state law on the university campus. Any violators of state law will be handled accordingly.

10. Technical Specifications

Engineering Technical Specifications are included in the project drawing sheets

11. Project Documents

- a. C1.0, Asphalt Pavement Repair, site plan
- b. C2.0, Details (dated 05-05-2022)
- c. Project Narrative (this document)

Project Location

The Lander University Curbing and Asphalt Pavement Replacement – Brookside Circle Parking Lot





LOCATION MAP

ASPHALT PAVEMENT REPAIR FOR BROOKSIDE CIRCLE PARKING LOT LANDER UNIVERSITY GREENWOOD, SOUTH CAROLINA



DRAWING INDEX

CS	COVER SHEET
C 1.0	NOTES/DETAILS
C 2.0	SITE PLAN



	WATER METER
	FIRE HYDRANT
	SANITARY SEWER MANHOLE
	WATER VALVE
	STORM SEWER
	DATA LINE
	OVERHEAD POWER LINE
	SANITARY SEWER
	10" WATER LINE
	8" WATER LINE
	6" WATER LINE
	4" WATER LINE
	2" WATER LINE
	1" WATER LINE
	UNDERGROUND POWER LINE
	CATCH BASIN
	FIBER OPTIC LINE
	LIGHT POLE
	GLASS POST
	WOODS LINE
	BUILDING
	POWER POLE

UTILITY CONTRACTS:
SEWER:
GREENWOOD METROPOLITAN DISTRICT
GREENWOOD, SC 29646
(843) 344-5805
WATER:
GREENWOOD COW
610 BIVANOS 225 SW
GREENWOOD, SC 29646
(843) 344-5805
STORM SEWER:
GREENWOOD CITY/COUNTY
601 LAMAR AVENUE, 10TH FLOOR, ROOM 802
GREENWOOD, SC 29646
(843) 342-8839
POWER:
GREENWOOD COW
610 BIVANOS 225 SW
GREENWOOD, SC 29646
(843) 344-5805
CITY OF GREENWOOD:
510 WEST ALEXANDER AVE
GREENWOOD, SC 29646
(843) 342-8839
GAS:
GREENWOOD COW
610 BIVANOS 225 SW
GREENWOOD, SC 29646
(843) 342-8839
ROADWAY:
GREENWOOD CITY/COUNTY
501 KENNEDY STREET, ROOM 802
GREENWOOD, SC 29646
(843) 344-5805
OR
510 WEST ALEXANDER AVE
GREENWOOD, SC 29646
(843) 342-8839



NO.	DATE	DESCRIPTION
1	12/15/2020	ASPHALT PAVEMENT REPAIR
2	12/15/2020	ASPHALT PAVEMENT REPAIR
3	12/15/2020	ASPHALT PAVEMENT REPAIR
4	12/15/2020	ASPHALT PAVEMENT REPAIR
5	12/15/2020	ASPHALT PAVEMENT REPAIR
6	12/15/2020	ASPHALT PAVEMENT REPAIR
7	12/15/2020	ASPHALT PAVEMENT REPAIR
8	12/15/2020	ASPHALT PAVEMENT REPAIR
9	12/15/2020	ASPHALT PAVEMENT REPAIR
10	12/15/2020	ASPHALT PAVEMENT REPAIR

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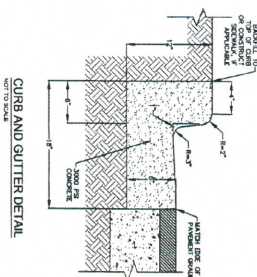
STOP

STOP BAR
NOT TO SCALE

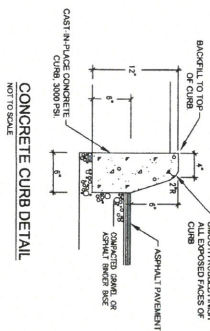
AREA MAP



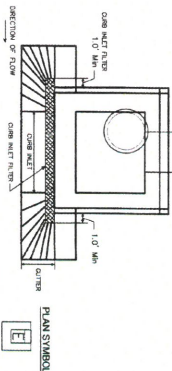
CURB AND GUTTER DETAIL



CONCRETE CURB DETAIL
NOT TO SCALE



TOP VIEW



TYPICAL PARKING SPACE STRIPING DETAIL

NOTE:
ALL PAVEMENT MARKINGS SHALL BE IN
ACCORDANCE WITH MUTCD STANDARD,
MOST RECENT EDITION.

NOT TO SCALE

SURFACE COATINGS CURB MILITARY PROTECTION

- [illegible]

POSITION AND UNDERSTANDING

1. The following are the characteristics of a good hypothesis:
 - a. It is testable and either verifiable or falsifiable.
 - b. It is specific.
 - c. It is measurable.
 - d. It is logical.
2. Negative hypotheses are those that predict that there will be no relationship between two variables. They are usually written in the form "There will be no relationship between _____ and _____" or "There will be no difference between _____ and _____".
3. Directional hypotheses are those that predict that there will be a relationship between two variables. They are usually written in the form "There will be a positive relationship between _____ and _____" or "There will be a negative relationship between _____ and _____".
4. Non-directional hypotheses are those that predict that there will be a relationship between two variables, but they do not specify the direction of the relationship. They are usually written in the form "There will be a relationship between _____ and _____".
5. Hypotheses can be tested using a variety of statistical tests. The choice of test depends on the type of data and the hypothesis being tested.
6. The following are the steps to follow when testing a hypothesis:
 - a. State the hypothesis.
 - b. Choose the statistical test.
 - c. Calculate the test statistic.
 - d. Compare the test statistic to the critical value.
 - e. Make a decision about the hypothesis.

South Carolina Department of
Health and Environmental Control

Type E

STATE OF SOUTH CAROLINA
COUNTY OF _____
FILE NO. _____

NOT TO SCALE

South Carolina Department of
Health and Environmental Control

[illegible]

NO.	REVISED	CHD DATE
DESIGNED BY: DEFII	CHECKED: DEFII	JOB NUMBER: 2022-032
DRAWN: DPH	APPROVED: DEFII	DATE: 04/14/22

**ASPHALT PAVEMENT REPAIR
BROOKSIDE CIRCLE PARKING LOT
FOR
LANDER UNIVERISTY
GREENWOOD, SOUTH CAROLINA**

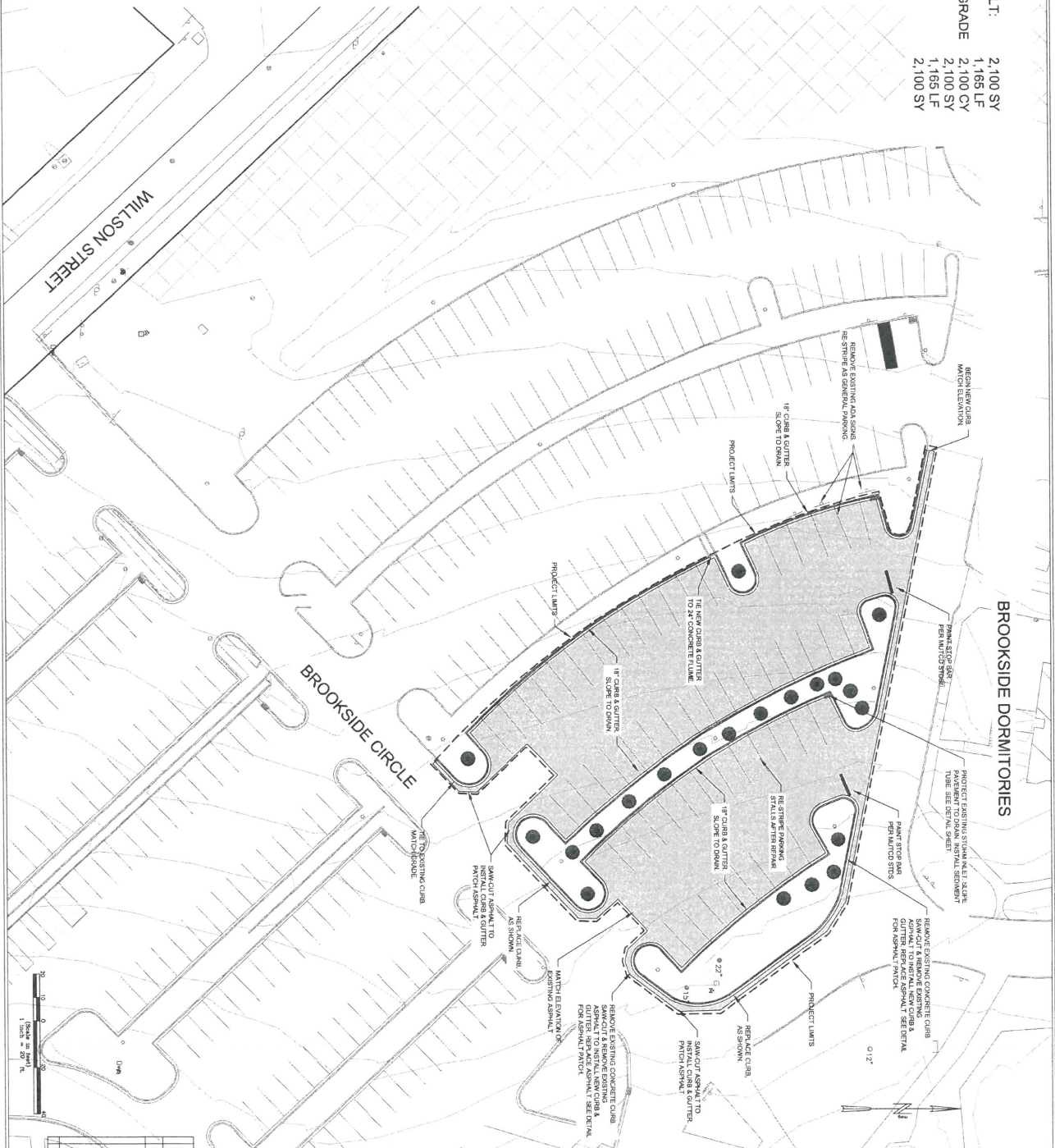


This page has been revised and replaced with an amended C2.0, dated May 05, 2022.



BASE BID

- | | |
|---|----------|
| 1. REMOVE & HAUL OFF EXISTING ASPHALT: | 2,100 SY |
| 2. REMOVE EXISTING CURB: | 1,165 LF |
| 3. UNDER CUT 12" & REMOVE POOR SUBGRADE | 2,100 CY |
| 4. 12" GRADED AGGREGATE BASE | 2,100 SY |
| 5. 18" CURB & GUTTER: | 1,165 LF |
| 6. 2" TYPE C HOT MIX ASPHALT: | 2,100 SY |



NO.	REVISION	DATE
	1. REMOVED ADA PARKING	08/15/22
	2. REVISED	08/15/22
	3. REVISED	08/15/22
DESIGNED BY:	DEFI	2022-032
CHECKED BY:	DEFI	04/14/22
DATE:	04/14/22	

**ASPHALT PAVEMENT REPAIR
BROOKSIDE CIRCLE PARKING LOT
FOR
LANDER UNIVERSITY
GREENWOOD, SOUTH CAROLINA**

