1. COVER SHEET
2. INDEX SHEET
3. TECHNICAL SPECIFICATIONS
4. SITE PLAN
5. EXCAVATION PLAN
6. PROFILE
7. CROSS SECTIONS
8. DETAILS

SHEET NUMBER ON WHICH DETAIL IS SHOWN

DETAIL DESIGNATION

EXISTING CONTOURS SHOWN ON THESE PLANS ARE BASED ON CRAFTON TULL, PROJECT NUMBER 18800700, ISSUED FEBRUARY 19, 2018 (BATHYMETRIC AND TOPOGRAPHIC SURVEY). LIDAR SURVEY PROVIDED TO TERRACON FROM THE CITY OF LITTLE ROCK JANUARY 2019. CARE SHOULD BE TAKEN WHEN INTERPRETING CONTOURS TO VERIFY THE AREAS AND THE TRANSITIONS BETWEEN THEM.

EXISTING FACILITIES AND FEATURES ARE SHOWN LIGHT-LINED AND/OR SCREENED. NEW FACILITIES AND FEATURES ARE SHOWN SOLID AND HEAVY-LINED.

SLOPES AND GRADES ARE IN UNITS OF FT(H):FT(V), UNLESS OTHERWISE NOTED.

ESTIMATED CONSTRUCTION MATERIALS QUANTITIES:

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Total Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNCLASSIFIED EXCAVATION</td>
<td>CY (CUT)</td>
<td>18,100</td>
</tr>
<tr>
<td>STRUCTURAL FILL</td>
<td>CY (FILL)</td>
<td>11,000</td>
</tr>
<tr>
<td>GRANULAR BACKFILL</td>
<td>CY (FILL)</td>
<td>600</td>
</tr>
<tr>
<td>B STONE</td>
<td>CY (FILL)</td>
<td>2,000</td>
</tr>
<tr>
<td>RIP RAP</td>
<td>CY (FILL)</td>
<td>5,300</td>
</tr>
<tr>
<td>BORROW MATERIAL</td>
<td>CY</td>
<td>13,329</td>
</tr>
</tbody>
</table>
The work shall consist of constructing a mechanically stabilized reinforced earth slope in accordance with the technical specifications and drawings. The Contractor shall provide the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

7. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

8. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

9. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

10. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

11. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

12. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

13. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

14. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

15. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

16. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

17. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

18. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

19. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.

20. The Contractor shall submit the verification that the ultimate strength of the geogrid has been achieved. Certification shall not be given to slopes: (a) prior to the month in which the geogrid is to be tested; (b) after the month in which the geogrid is to be tested; or (c) once the geogrid is to be placed on the slope.
NOTE:
1. PLANNED NEW BIKE TRAIL GRADING NOT SHOWN.
2. THE STOCKPILE AREA SHOWN IS CALCULATED TO ACCCOMMODATE A VOLUME OF 12,000 CY OF EXCAVATED MATERIAL THAT WILL BE REUSED AS STRUCTURAL FILL. THE STOCKPILE AREA SHOWN CANNOT HOLD THE ENTIRE EXCAVATED VOLUME OF MATERIAL. IF additonal stockpile space is necessary, the contractor must coordinate with the City of Little Rock.

LEGEND:
- EXISTING GRADE CONTOURS
- FINAL CONTOURS
- APPARENT PROPERTY BOUNDARY
- FUTURE BIKE TRAIL ALIGNMENT
- LIMITS OF EXCAVATION
- APPROXIMATE LIMITS OF CLEARING
- NORMAL WATER LEVEL (231' AMSL)
- EDGE OF EXISTING BIKE TRAIL
- EXISTING FENCE LINE
- UNDERGROUND TELEPHONE LINE

NOTE:
1. THE STOCKPILE AREA IS DEDICATED TO ACCCOMMODATE A VOLUME OF 12,000 CY OF EXCAVATED MATERIAL THAT WILL BE REUSED AS STRUCTURAL FILL. THE STOCKPILE AREA SHOWN CANNOT HOLD THE ENTIRE EXCAVATED VOLUME OF MATERIAL. IF additonal stockpile space is necessary, the contractor must coordinate with the City of Little Rock.

PREPARED BY
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DEPARTMENT OF PUBLIC WORKS
LITTLE ROCK, ARKANSAS
CIVIL ENGINEERING

PAGE 4 OF 15
LEGEND:
- EXISTING GRADE CONTOURS
- PROPOSED TOP OF EXCAVATION
- APPARENT PROPERTY BOUNDARY
- FUTURE BIKE TRAIL ALIGNMENT
- LIMITS OF EXCAVATION
- APPROXIMATE LIMITS OF CLEARING
- NORMAL WATER LEVEL (231' AMSL)
- EDGE OF EXISTING BIKE TRAIL
- EXISTING FENCE LINE
- UNDERGROUND TELEPHONE LINE

NOTE:
1. THE STOCKPILE AREA SHOWN IS CALCULATED TO ACCOMMODATE A VOLUME OF 12,000 CY OF EXCAVATED MATERIAL THAT WILL BE REUSED AS STRUCTURAL FILL. THE CONTRACTOR MUST CONFER WITH THE CITY OF LITTLE ROCK IF ADDITIONAL STOCKPILE SPACE IS NEEDED.

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701 W. MARKHAM
CIVIL ENGINEERING

EXCAVATION PLAN
CITY OF LITTLE ROCK, ARKANSAS
RIVER TRAIL SLIDE

NOTE:
1. THE STOCKPILE AREA SHOWN IS CALCULATED TO ACCOMMODATE A VOLUME OF 12,000 CY OF EXCAVATED MATERIAL THAT WILL BE REUSED AS STRUCTURAL FILL. THE CONTRACTOR MUST CONFER WITH THE CITY OF LITTLE ROCK IF ADDITIONAL STOCKPILE SPACE IS NEEDED.
LEGEND:

EXISTING GRADE (FEB. 2019)
FUTURE BIKE TRAIL SLOPE
TOP OF EXCAVATION
TOP OF STABILIZED FOUNDATION
TOP OF STRUCTURAL FILL
TOP OF C33 STONE
BANK LAUNCHED RIP RAP
TOP OF RIP RAP
MINIMAL DRAINED BACKFILL
REINFORCED BACKFILL (TYP.) - REFER TO RSS PROFILES FOR GEOGRID TYPE, LAYER ELEVATION AND MINIMUM EMBEDMENT LENGTHS.

PRIMARY GEOGRID REINFORCEMENT (TYP.): REFER TO SHEET FOR GEOGRID LAYER ELEVATION AND MINIMUM EMBEDMENT LENGTH.

EXISTING BIKE TRAIL GRADE

SECTION A

SCALE: 1" = 5' (HORIZONTAL) 1" = 5' (VERTICAL) VERTICAL

EXAGGERATION = x 1

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