

Firm Registration No. F-754 17111 Preston Road, Suite 300

Dallas, Texas 75248-1229

972.960.4400



Gibbons Creek Environmental Redevelopment Group, LLC

Construction Drawings For

Gibbons Creek Electric Station

Site F Landfill Closure



Anderson, Texas August 2021





VICINITY MAP

NOT TO SCALE

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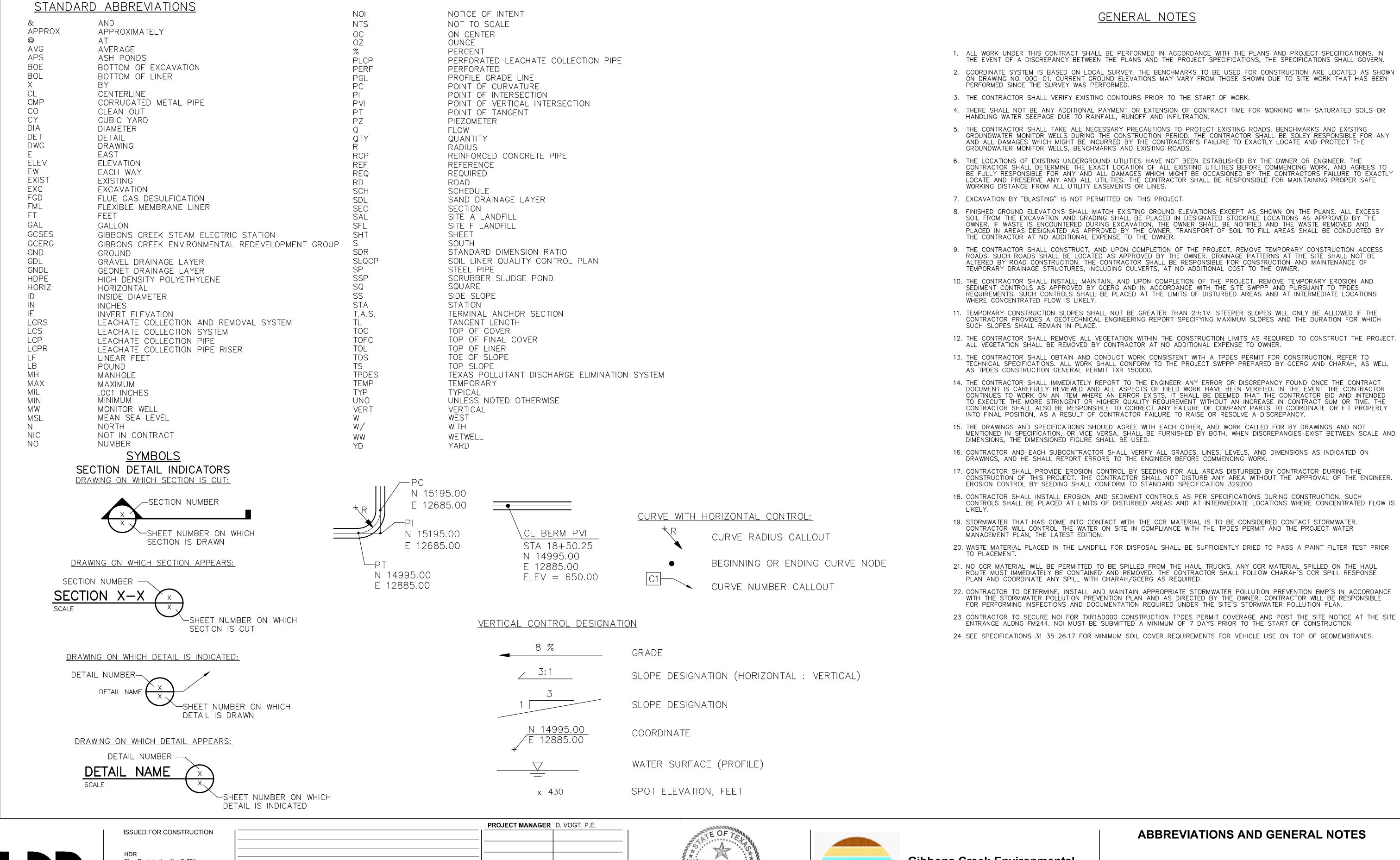
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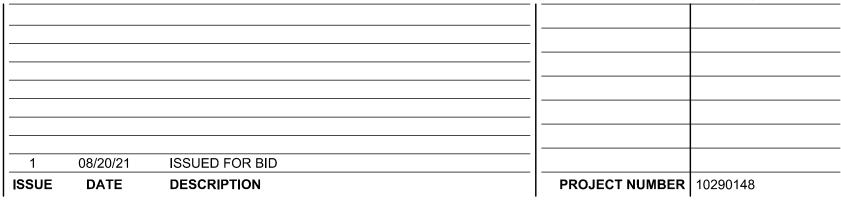
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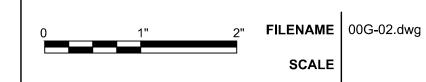
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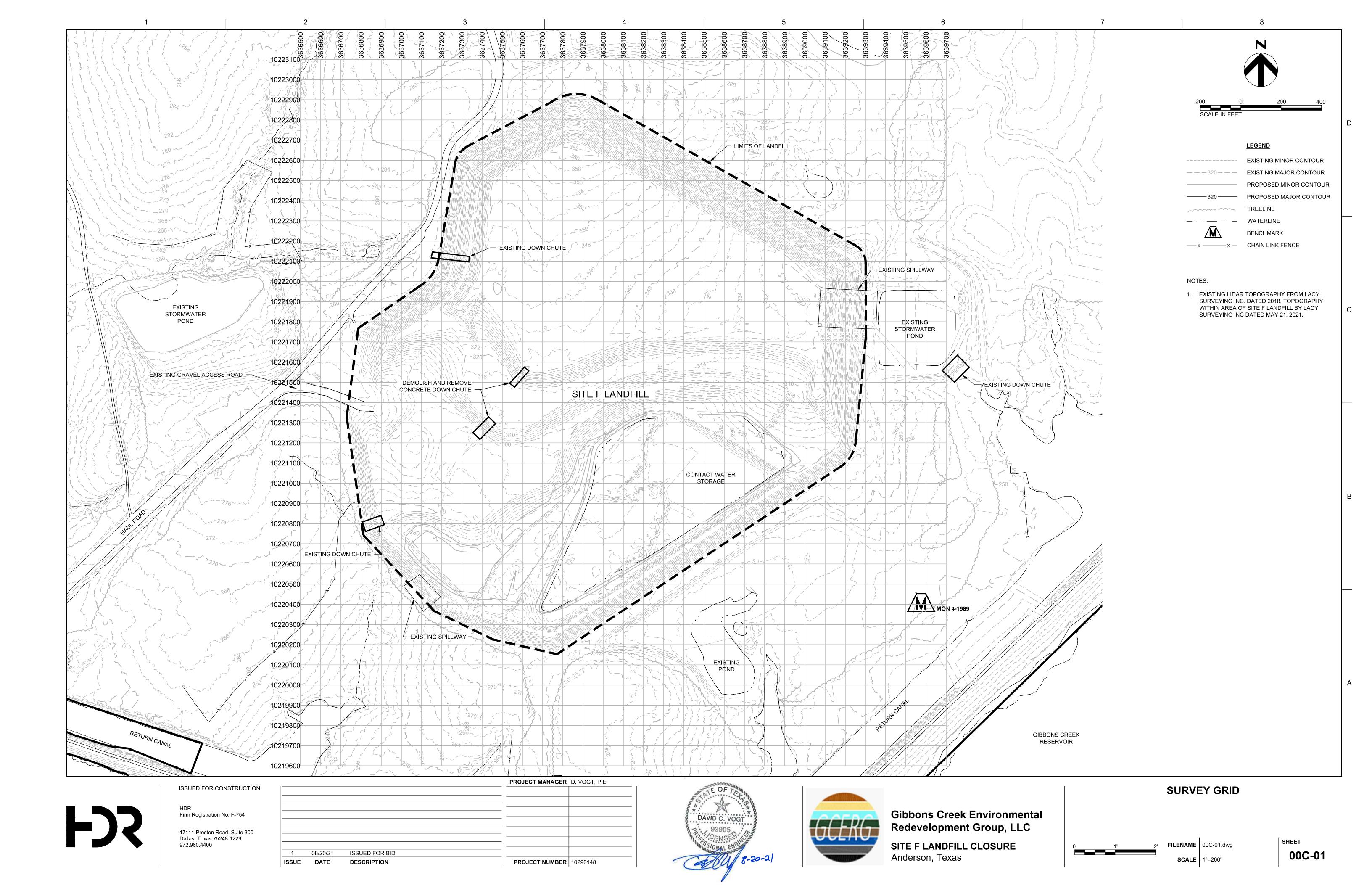


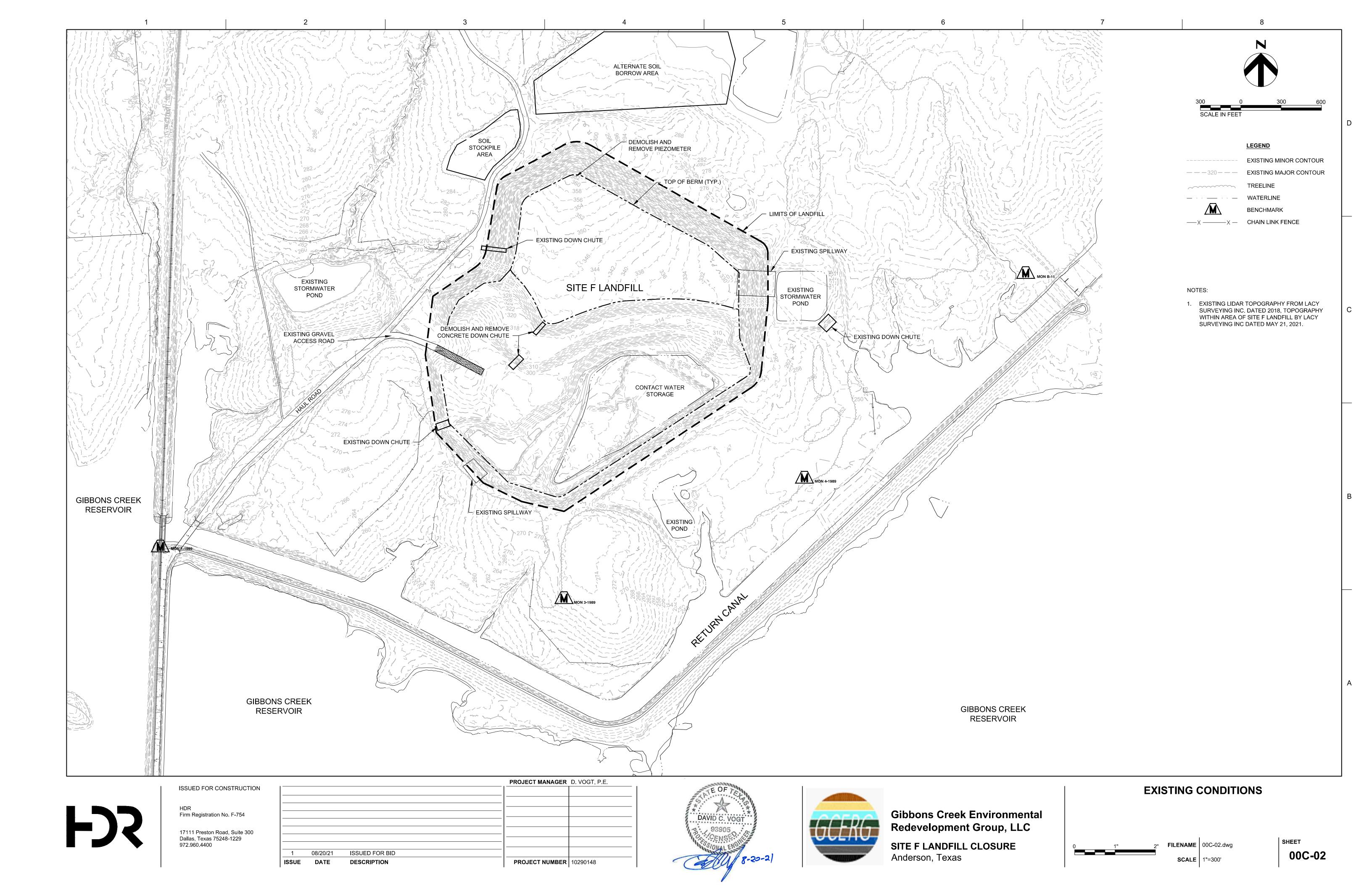
Gibbons Creek Environmental Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas

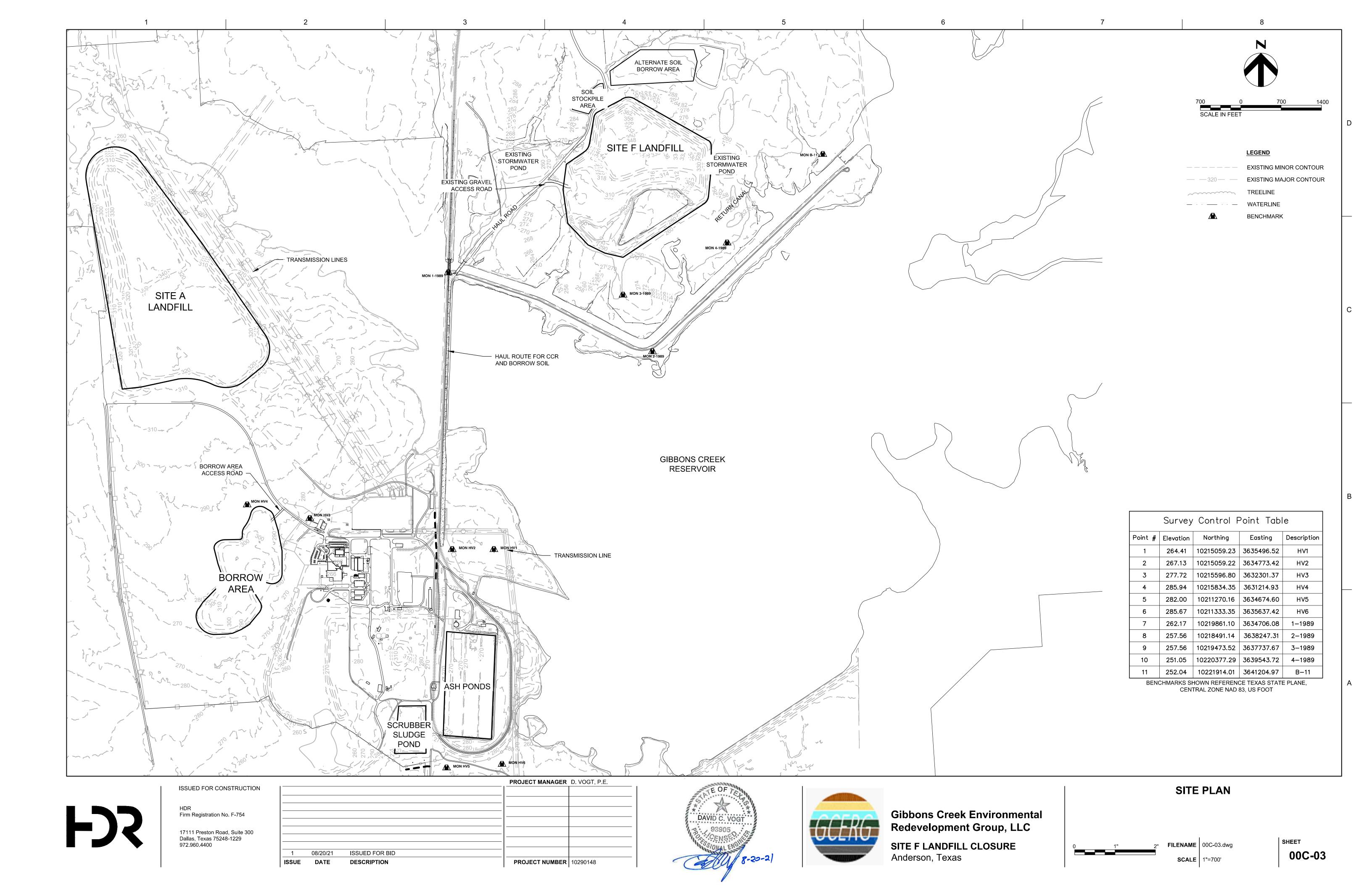


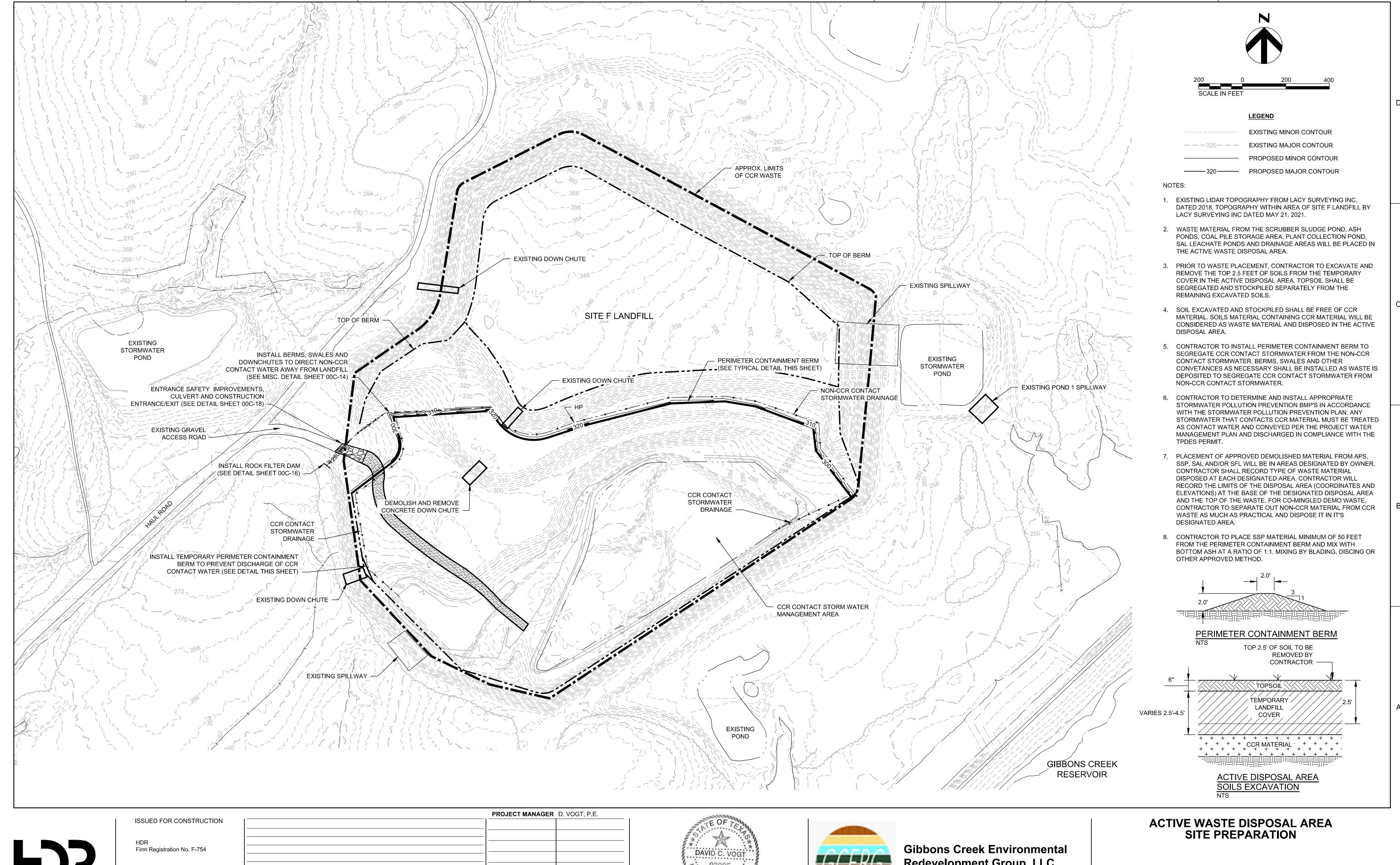
SCALE

SHEET 00G-02











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ISSUED FOR BID PROJECT NUMBER | 10290148

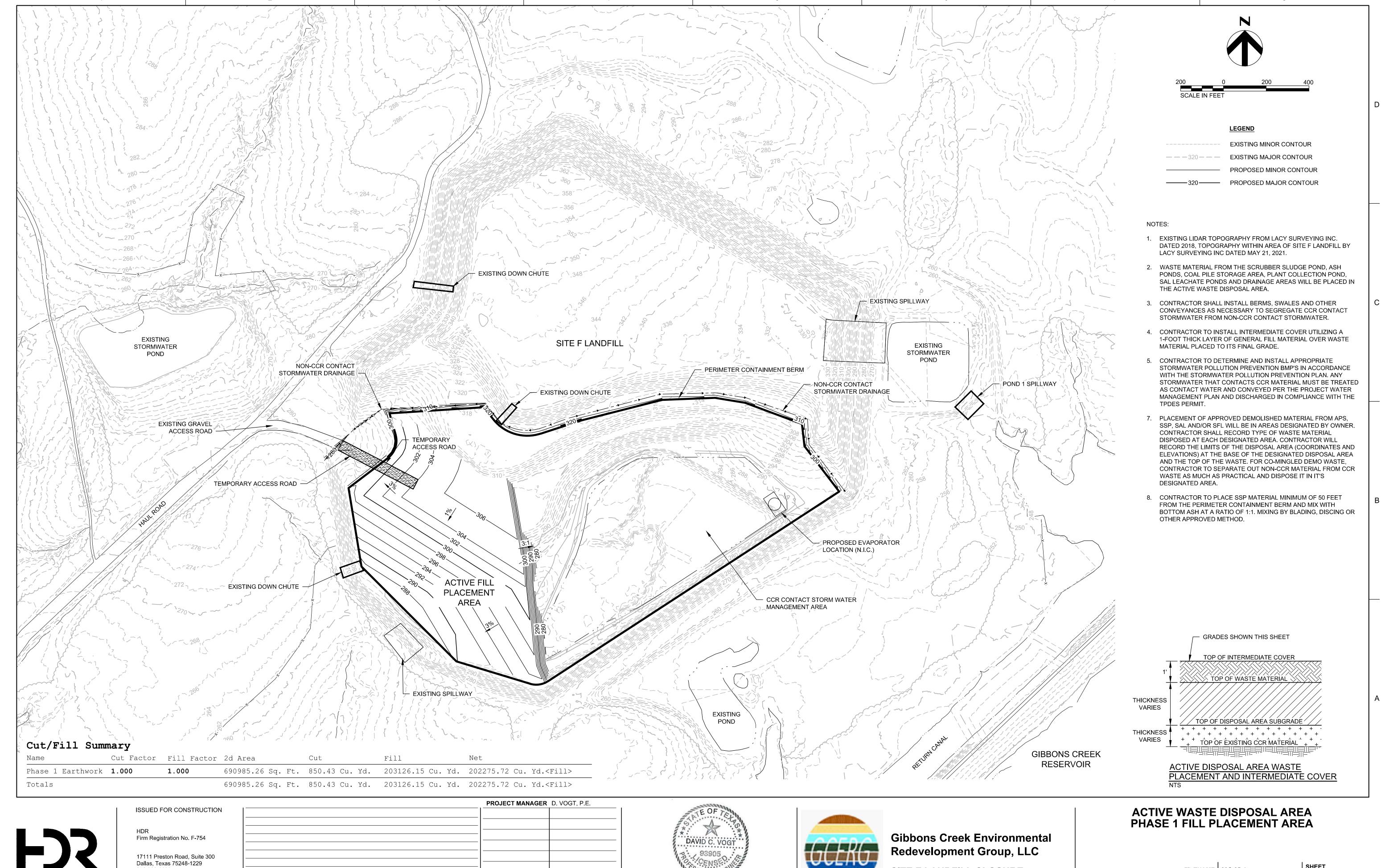




Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas

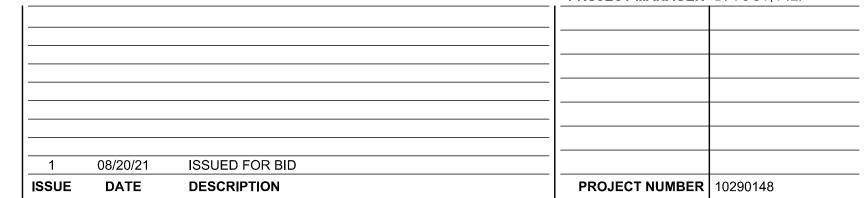


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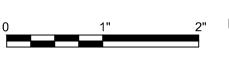
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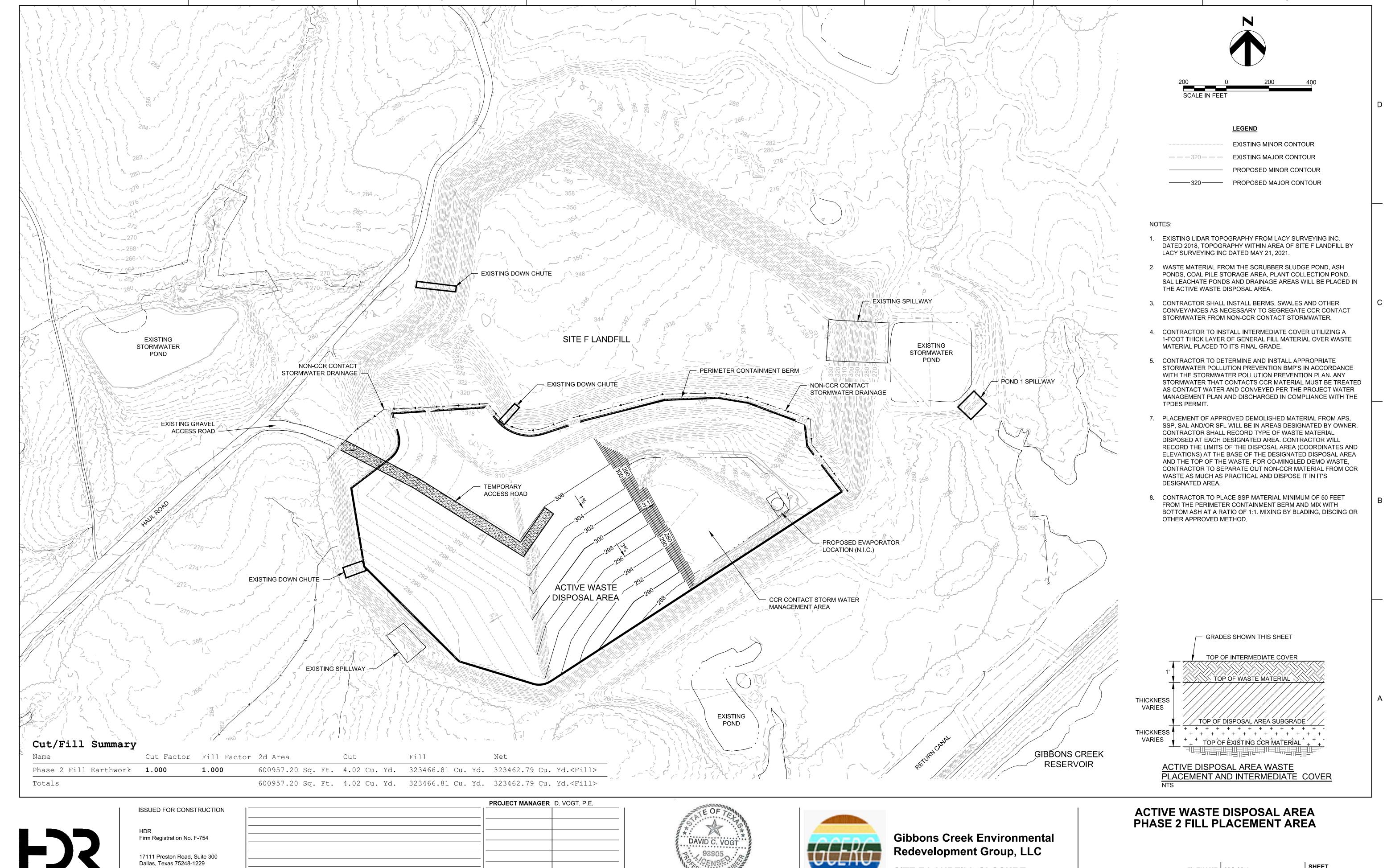




Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas



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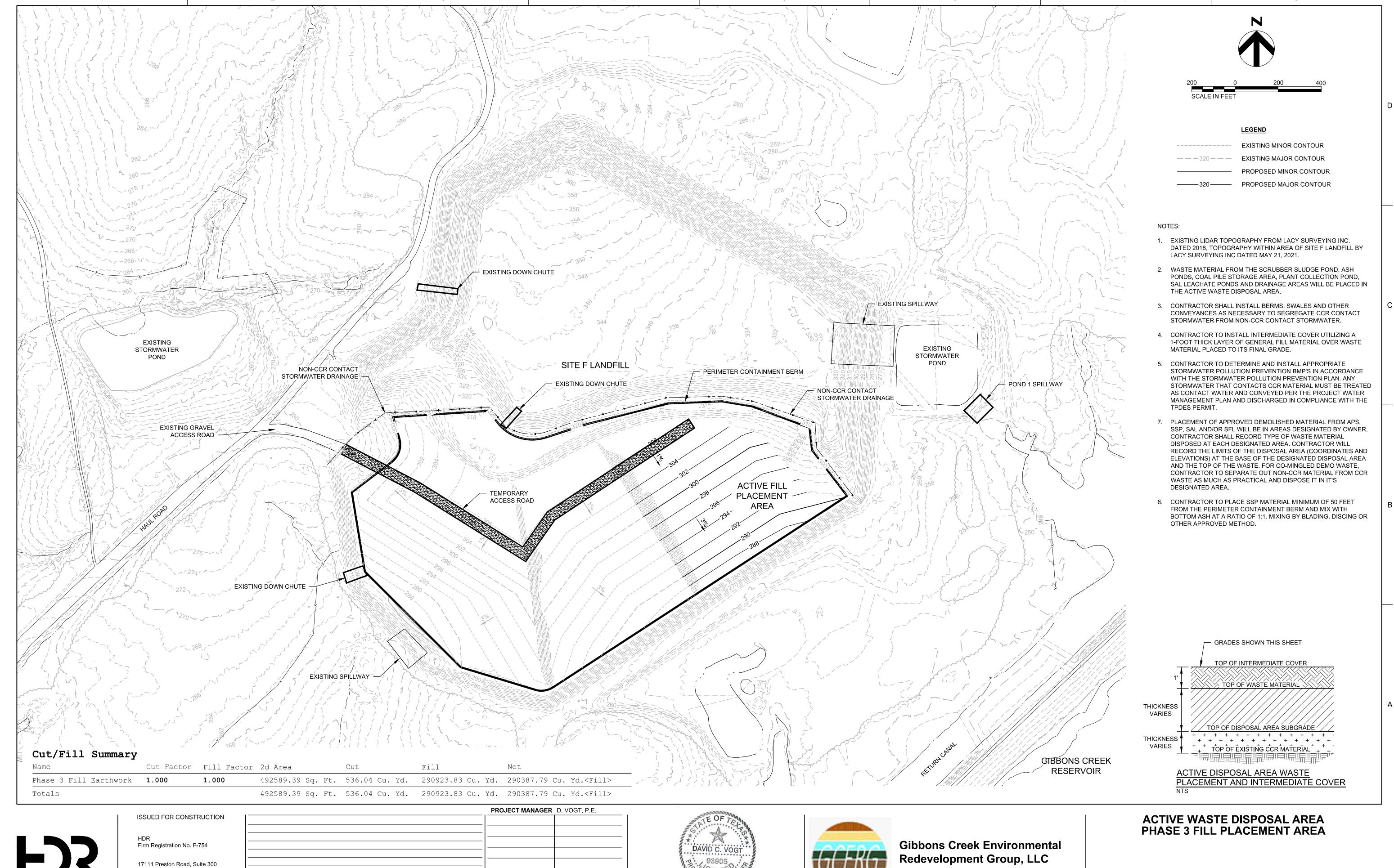






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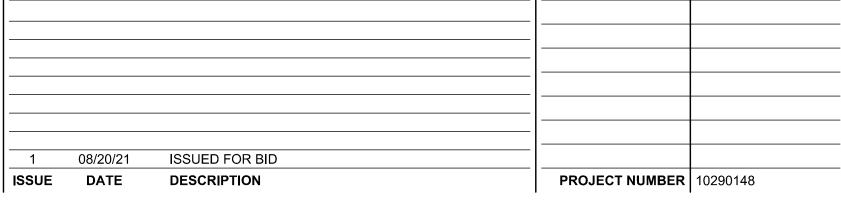






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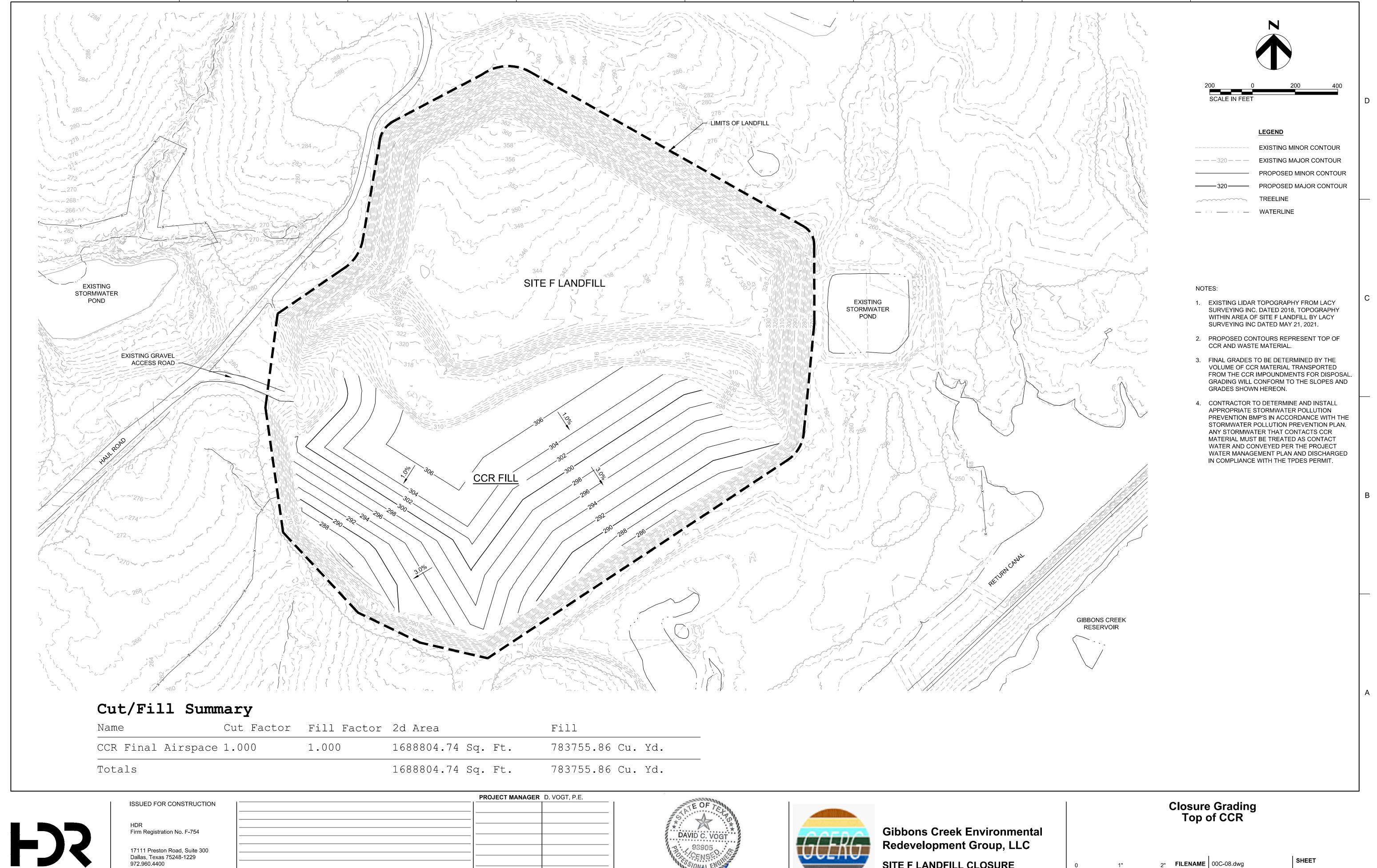




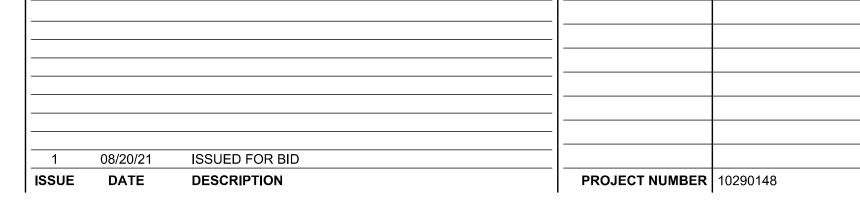
SITE F LANDFILL CLOSURE Anderson, Texas



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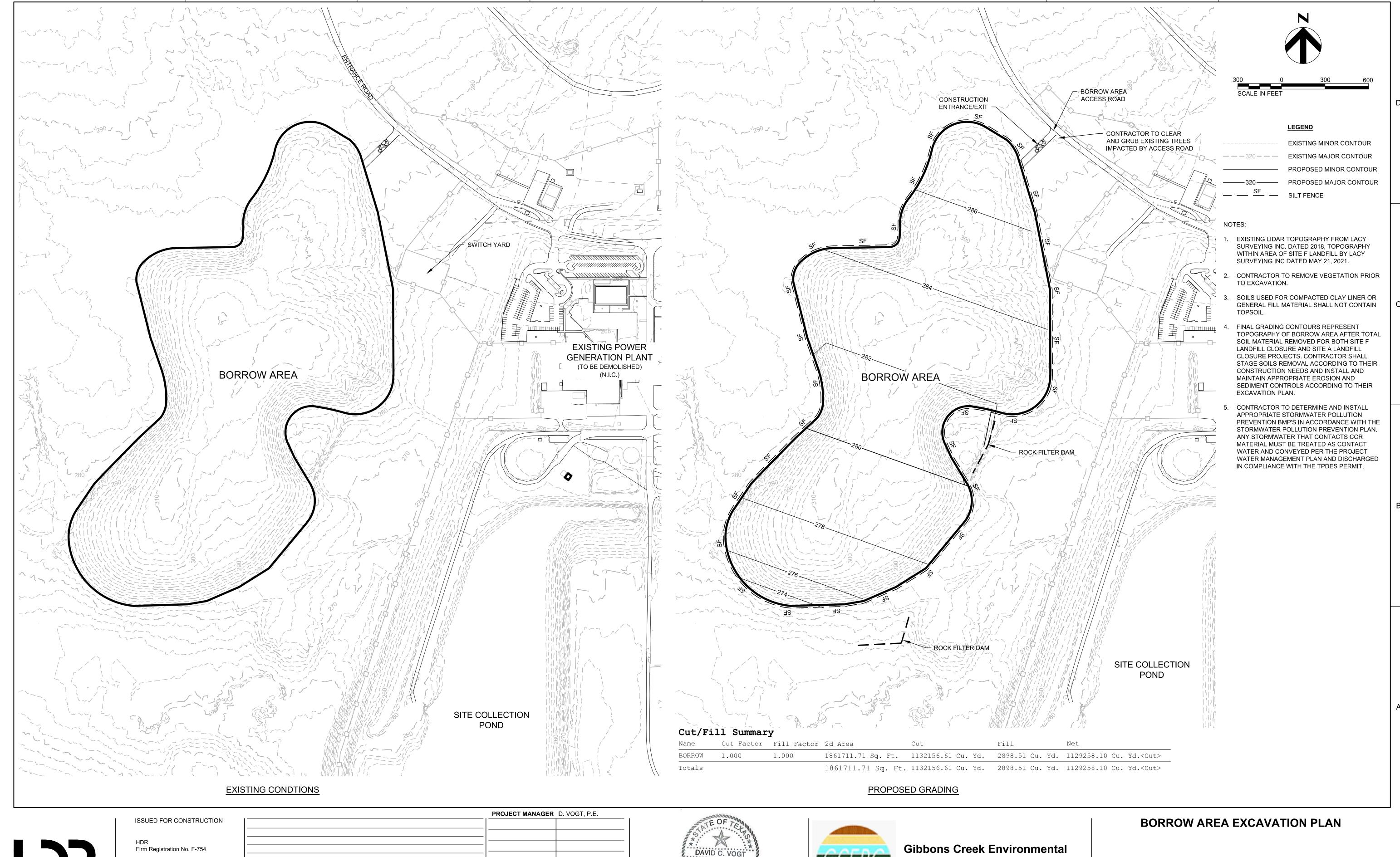




Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas

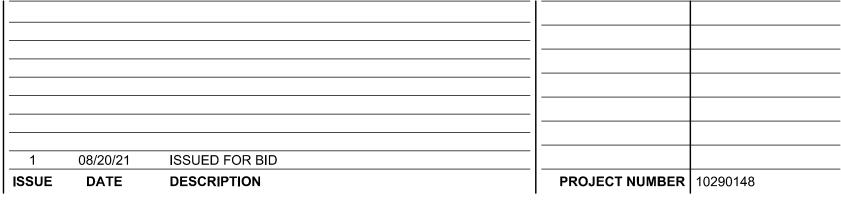


FILENAME 00C-08.dwg **SCALE** 1"=200'



F)

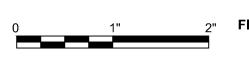
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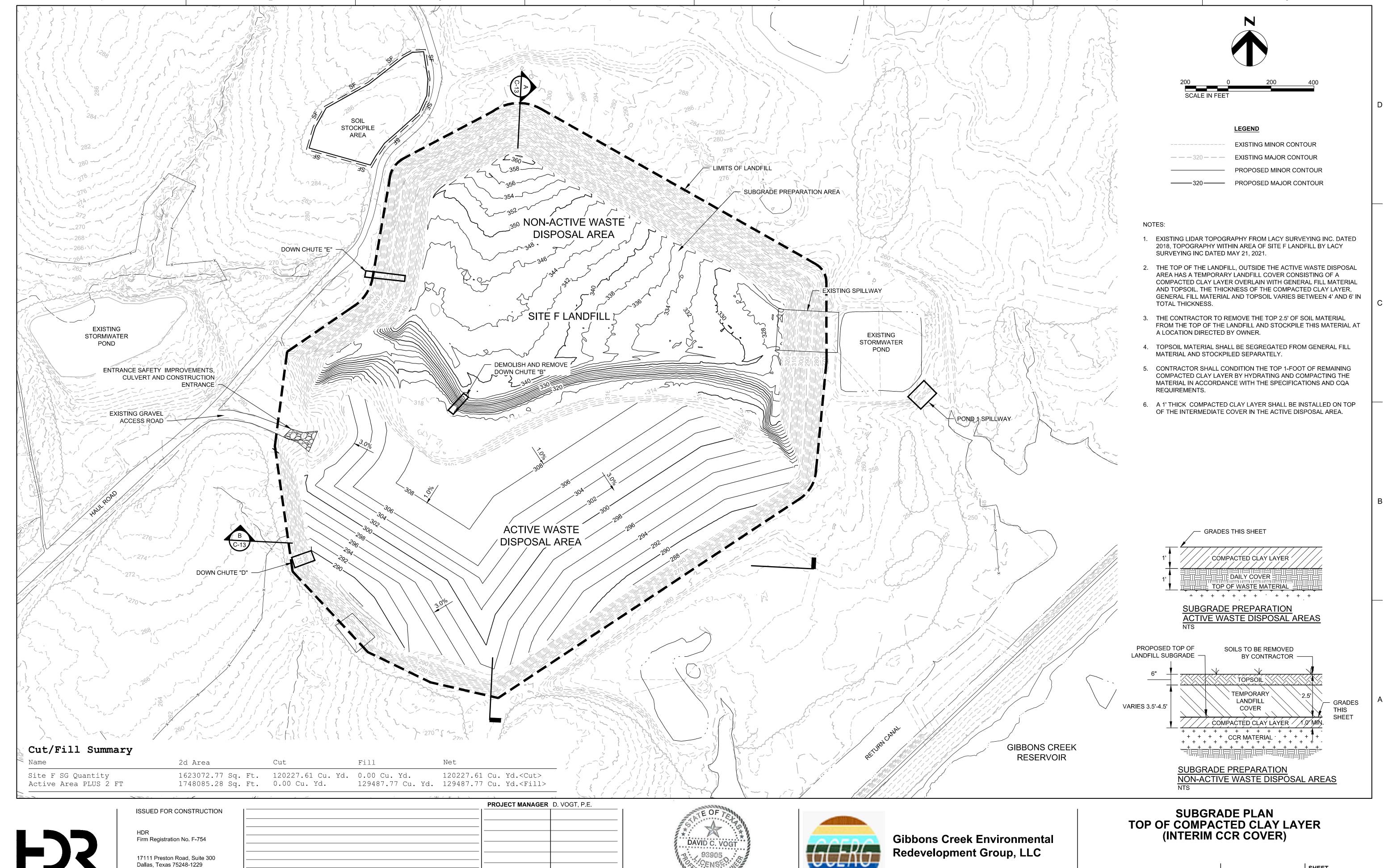






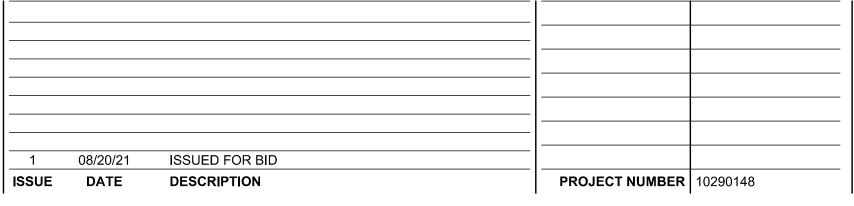
Gibbons Creek Environmental Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas







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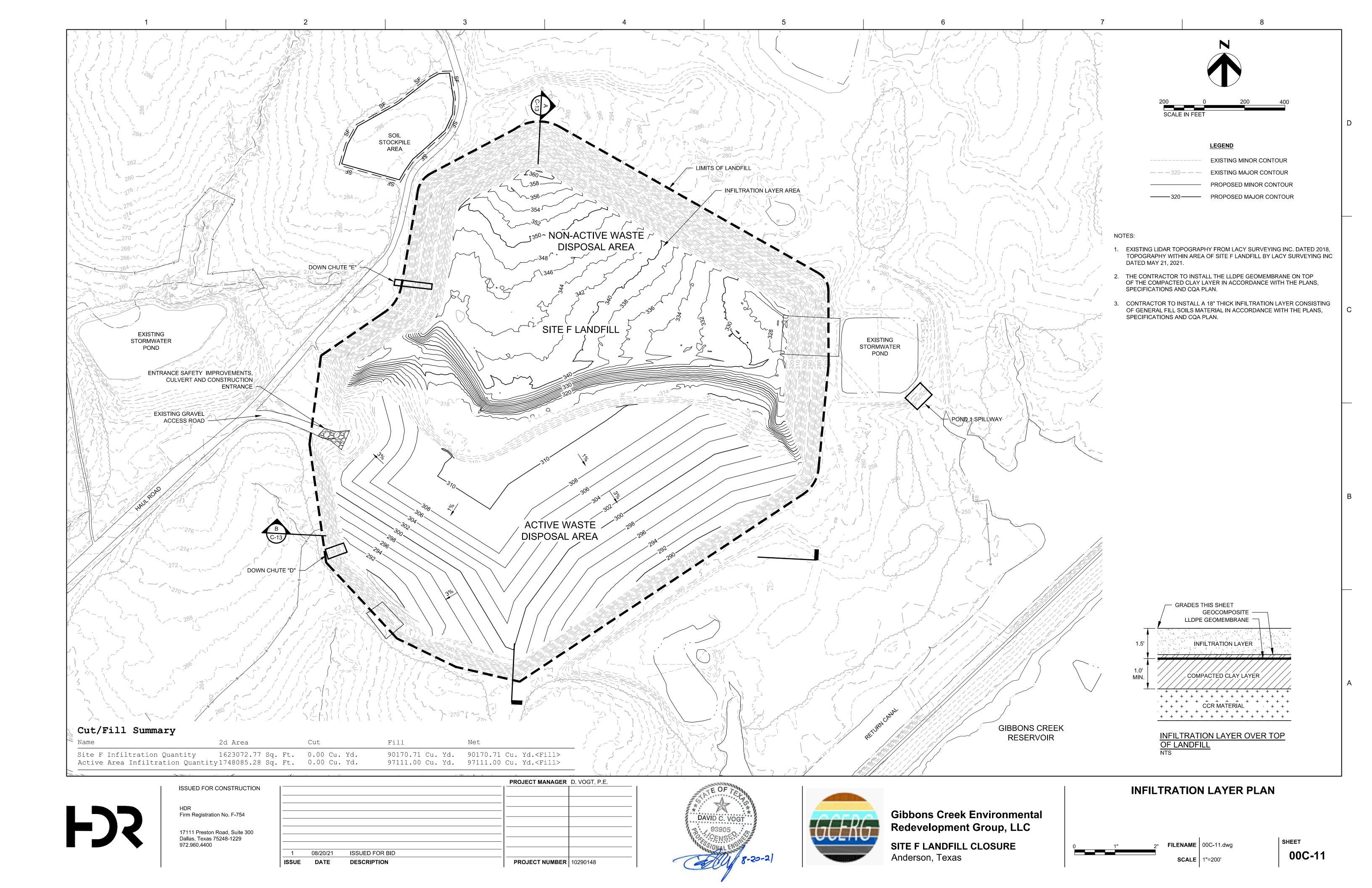


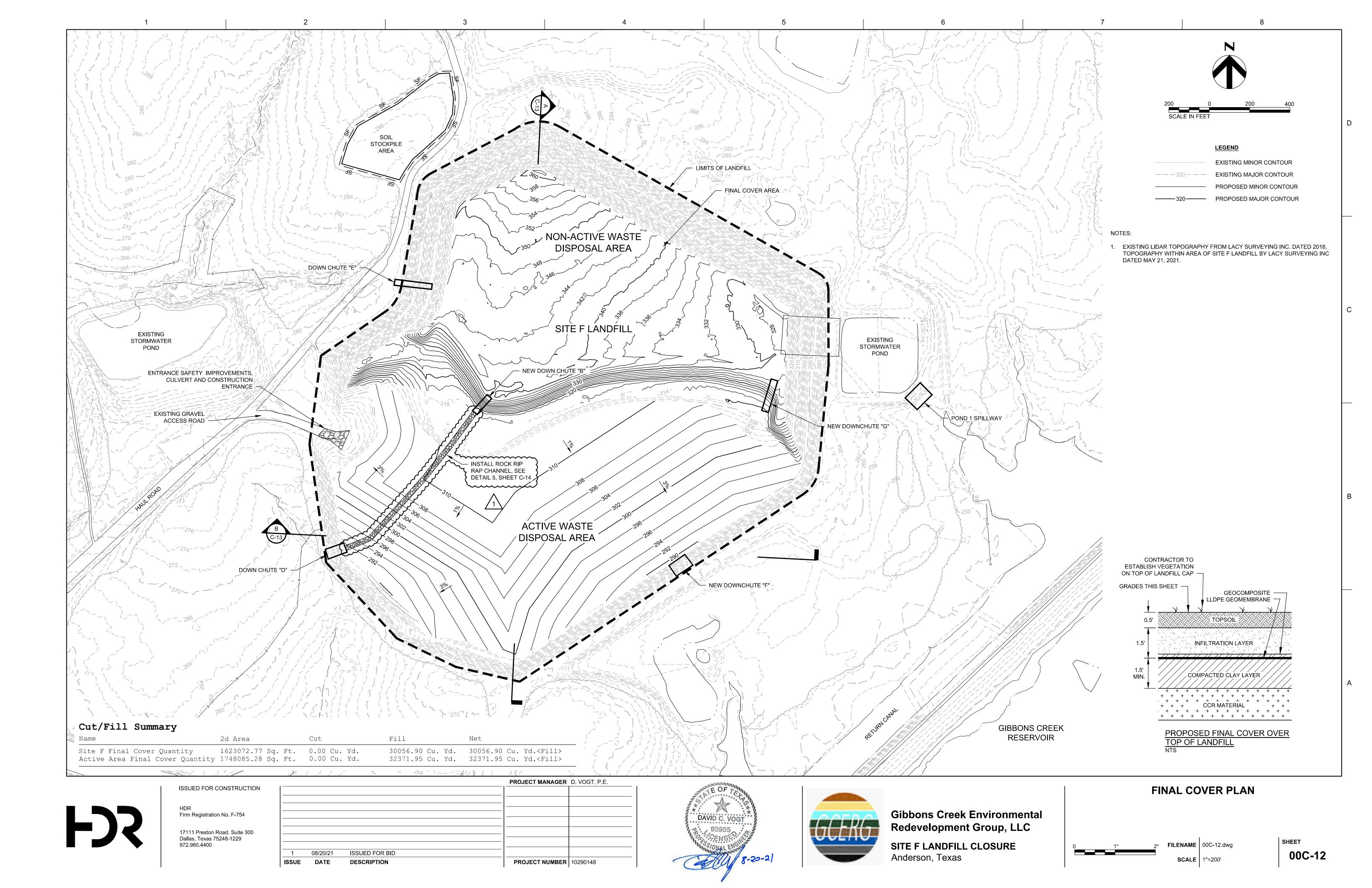
SITE F LANDFILL CLOSURE Anderson, Texas

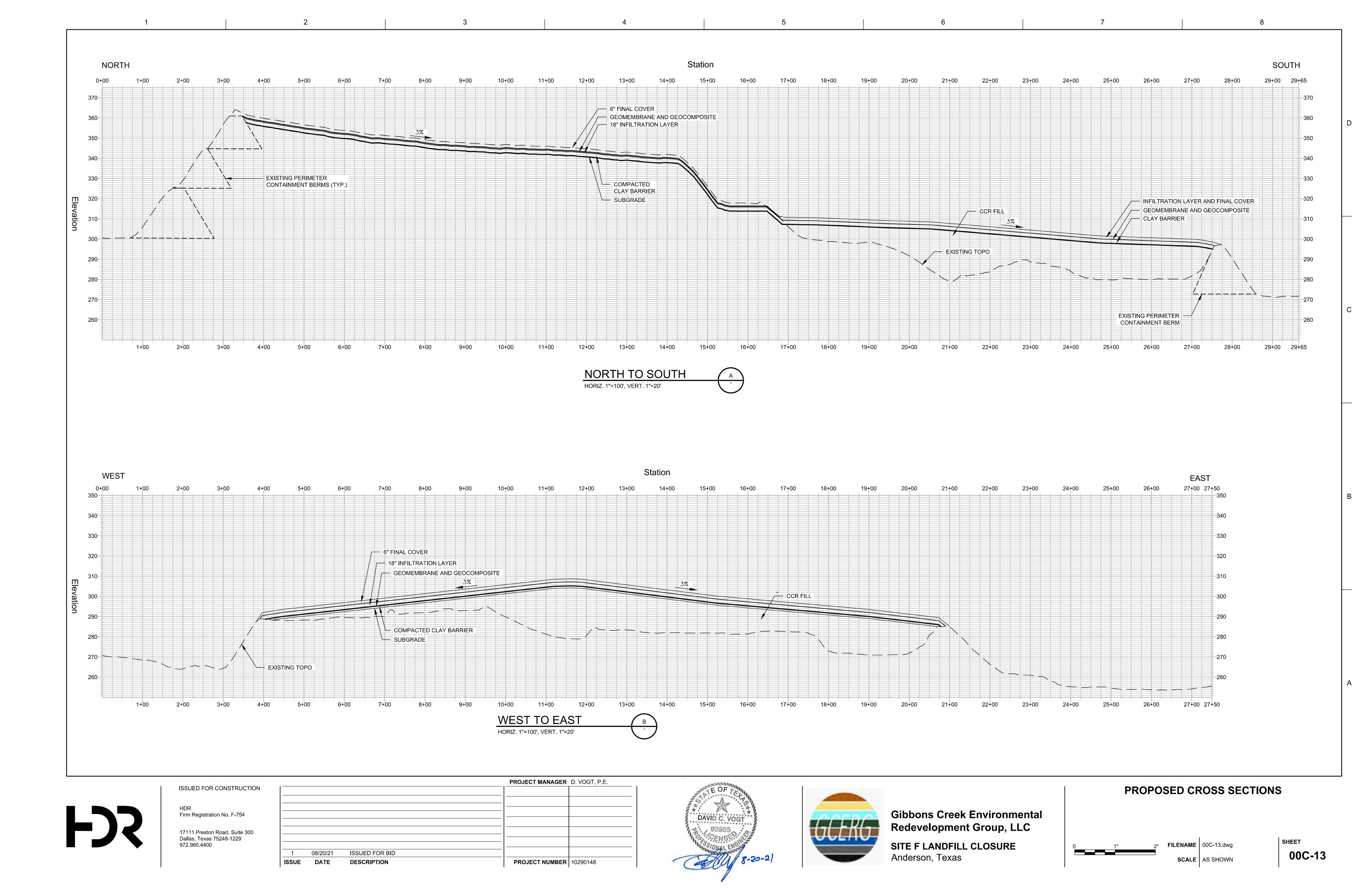


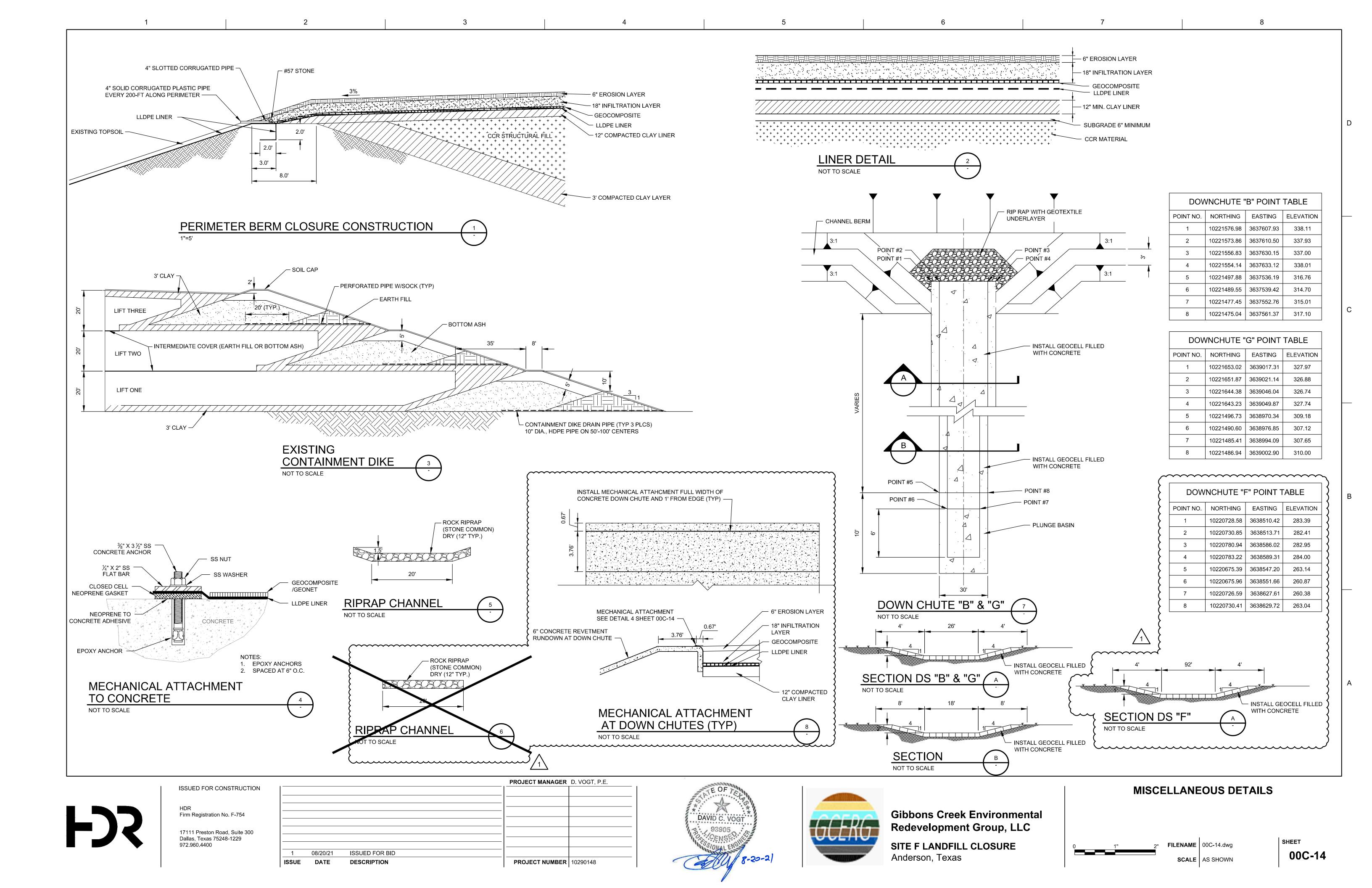
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SHEET 00C-10





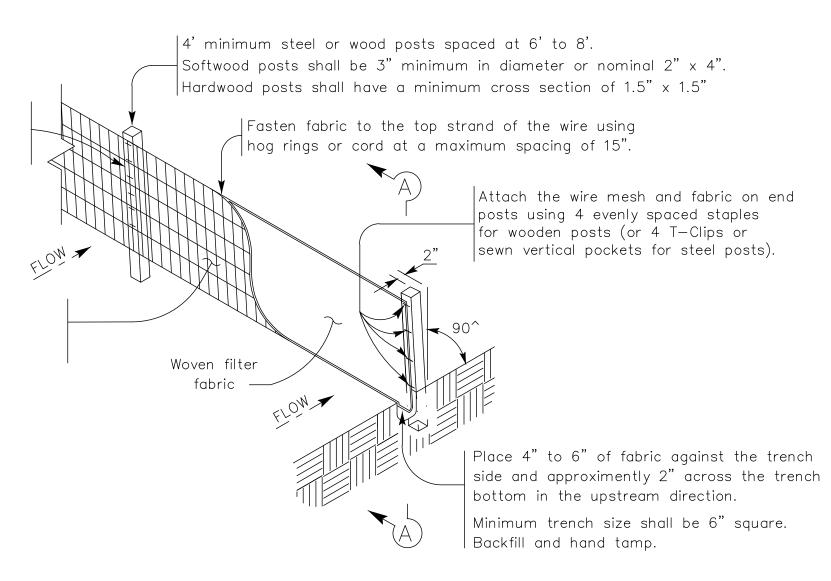




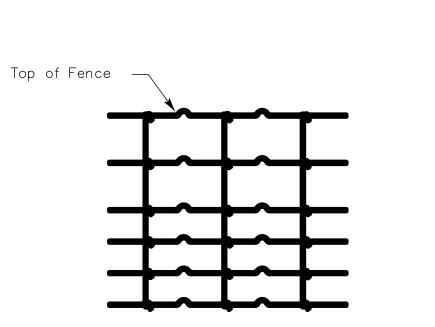
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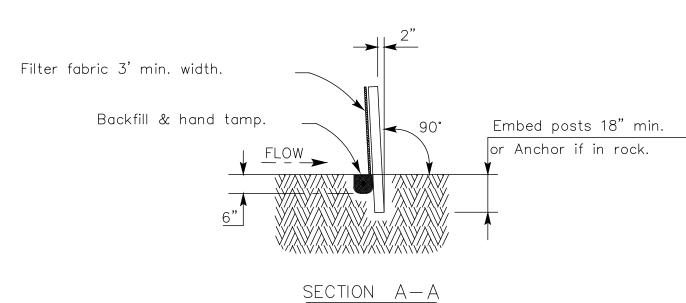
Connect the ends of the successive reinforcement sheets or rolls a minimum of 6 times with hog rings.

Galvanized welded wire mesh (W.W.M.) (12.5 GA. SWG Min.) with a maximum opening size of 2"x 4"or Woven Mesh (W.M.)(See woven mesh option detail)



TEMPORARY SEDIMENT CONTROL FENCE





HINGE JOINT KNOT WOVEN MESH (OPTION) DETAIL

Galvanized hinge joint knot woven mesh (12.5 GA.SWG Min.) requires a minimum of five horizontal wires spaced at a maximum of 12 inches apart and all vertical wires spaced at a maximum of 12 inches apart.

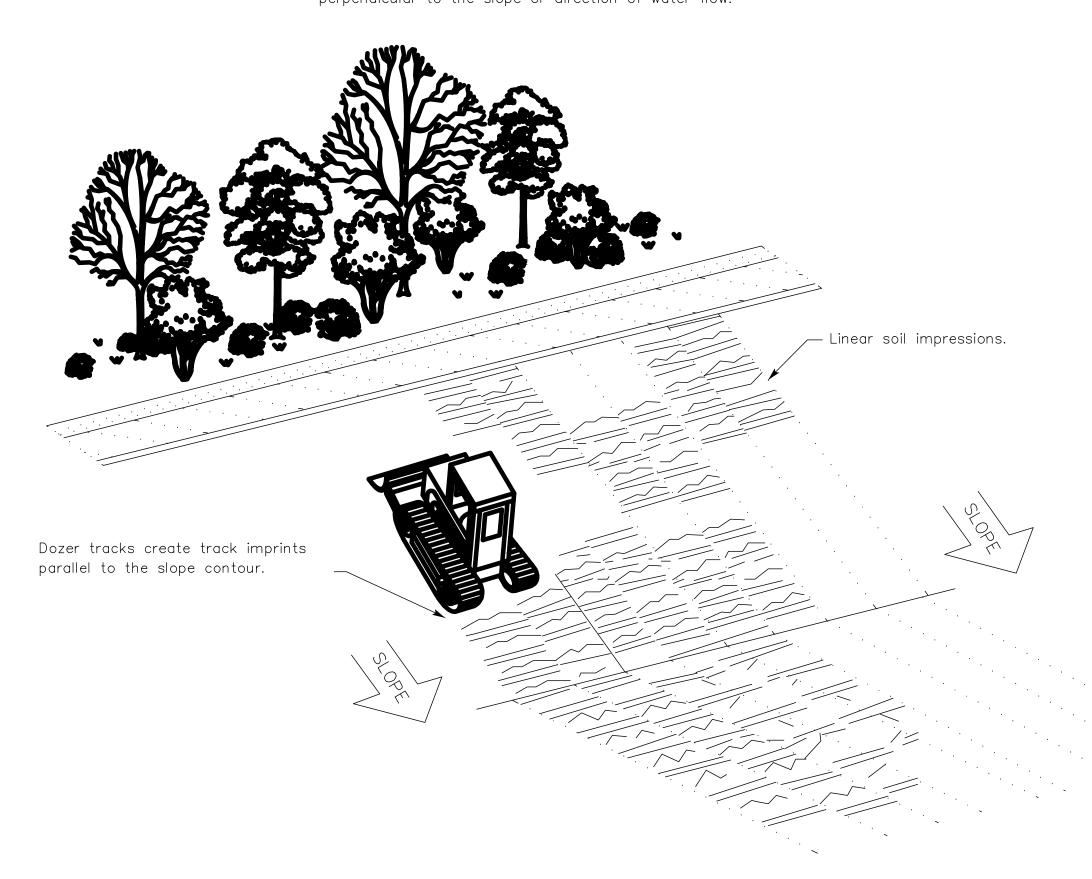
SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a maximum flow through rate of 100 GPM/FT . ²Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

GENERAL NOTES

- 1. Vertical tracking is required on projects where soil distributing activities have occurred unless otherwise approved.
- 2. Perform vertical tracking on slopes to temporarily stabilize soil.
- 3. Provide equipment with a track undercarriage capable of producing linear soil impressions measuring a minimum of 12" in length by 2" to 4" in width by 1/2" to 2" in depth.
- 4. Do not exceed 12" between track impressions.
- 5. Install continous linear track impressions where the minimum 12" length impressions are perpendicular to the slope or direction of water flow.



VERTICAL TRACKING

F)5

ISSUED FOR CONSTRUCTION

HDR Firm Registration No. F-754

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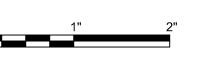
			PROJECT MANAGER D. VOGT, P.E.
1	08/20/21	ISSUED FOR BID	
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER 10290148





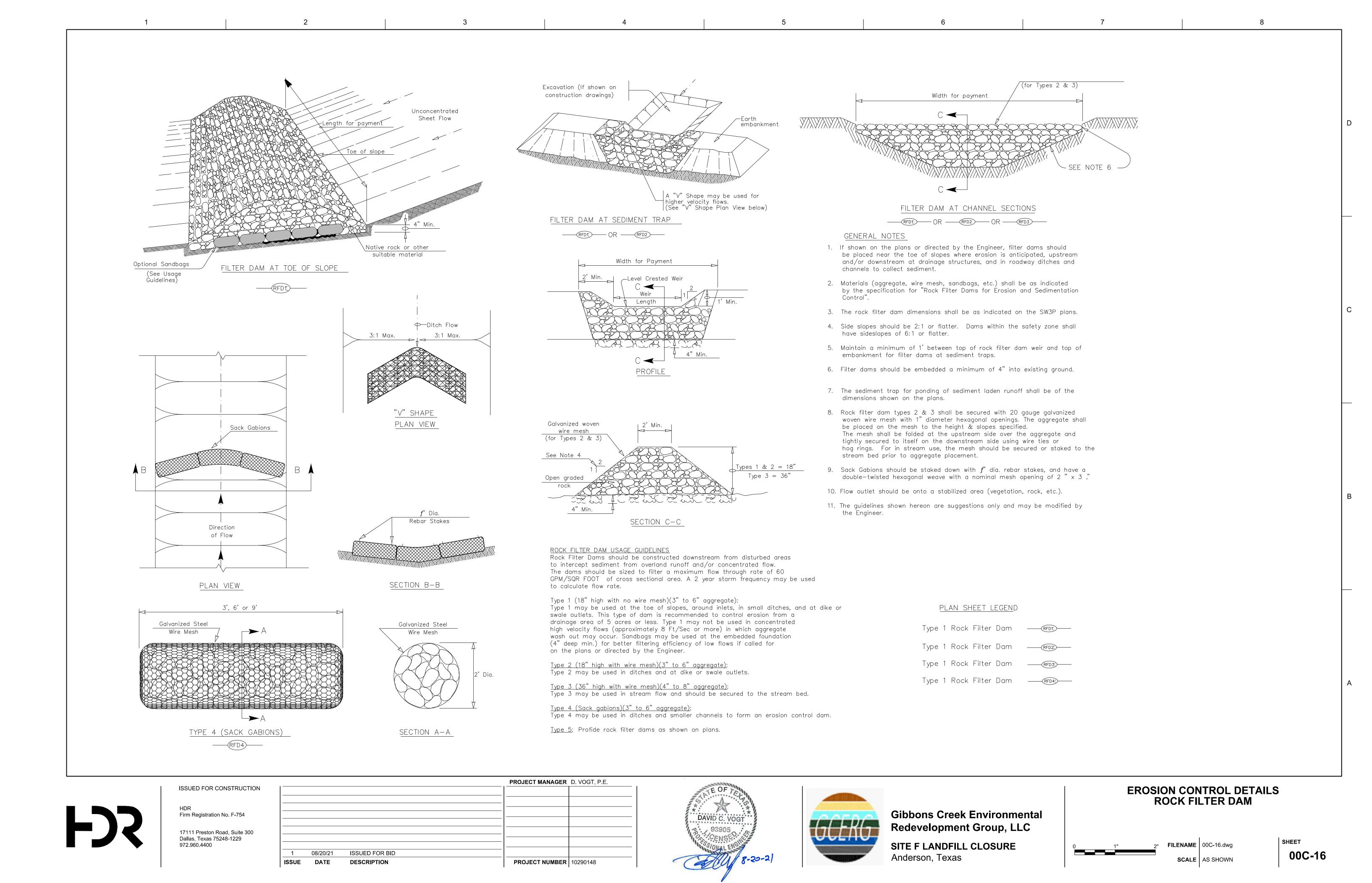
Gibbons Creek Environmental Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas

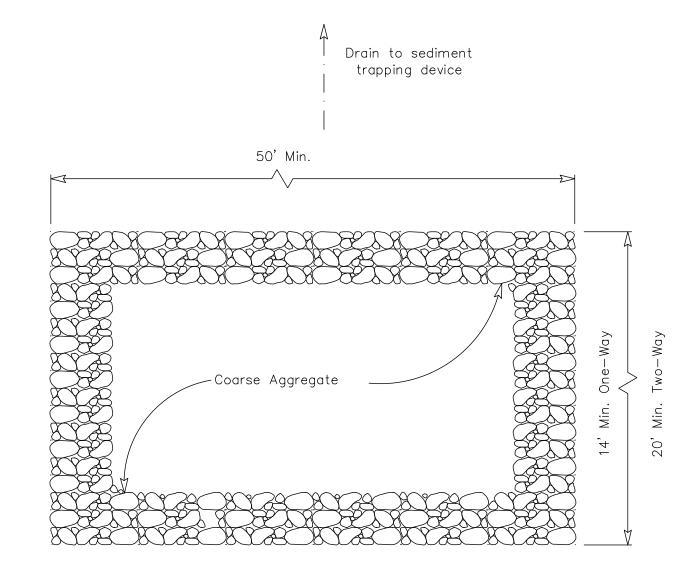
EROSION CONTROL DETAILS SILT FENCE

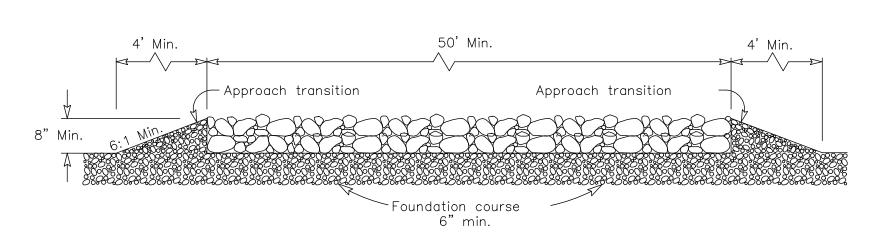


FILENAME 00C-15.dwg

SCALE AS SHOWN







PLAN VIEW

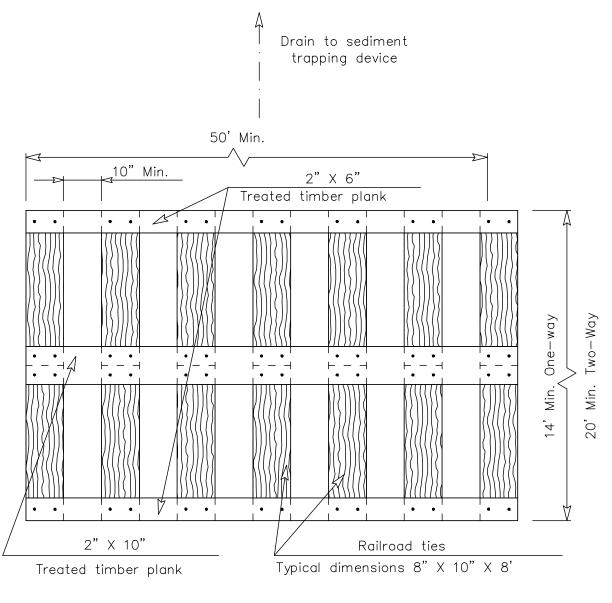
ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 1)

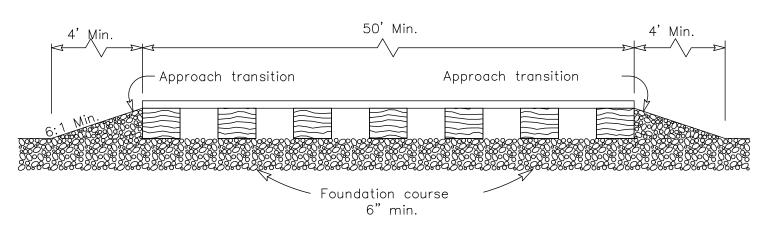
ROCK CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 1)

- 1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
- 2. The coarse aggregate should be open graded with a size of 4" to 8".
- 3. The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
- 4. The construction exit foundation course shall be flexible base, pituminaus concrete, portland cement concrete or other materialas approved by the Fnaineer.
- 5. The spratgyction exit shall be graded to allow drainage to a sediment
- 6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
- 7. Construct exits with a width of at least 14 ft. for one—way and 20 ft. for two—way traffic for the full width of the exit, or as directed by the engineer.



PLAN VIEW



ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 2)

TIMBER CONSTRUCTION (LONG TERM)

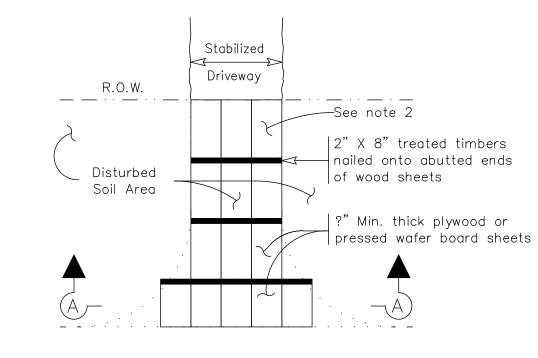
GENERAL NOTES (TYPE 2)

- 1. The length of the type 2 construction exit shall be as
- indicated on the plans, but not less than 50'.

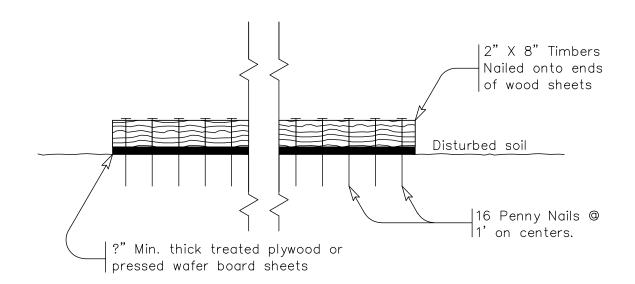
 2. The treated timber planks shall be attached to the railroad ties with ?" x 6" min. lag bolts. Other fasteners may be used as approved by the engineer.
- 3. The treated timber planks shall be #2 grade min., and should
- be free from large and loose knots.
 4. The approach transitions shall be no steeper than 6:1 and

constructed as directed by the engineer.

- 5. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
- 6. The construction exit should be graded to allow drainage to a sediment trapping device.
- 7. The guidelines shown heron are suggestion only and may
- 8. be modified by the Engineer.
- 9. Construct exits with a width of at least 14 ft. for one—way and 20 ft. for two—way traffic for the full width of the exit, or as directed by the



Paved Roadway
PLAN VIEW



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

SHORT TERM

GENERAL NOTES (TYPE 3)

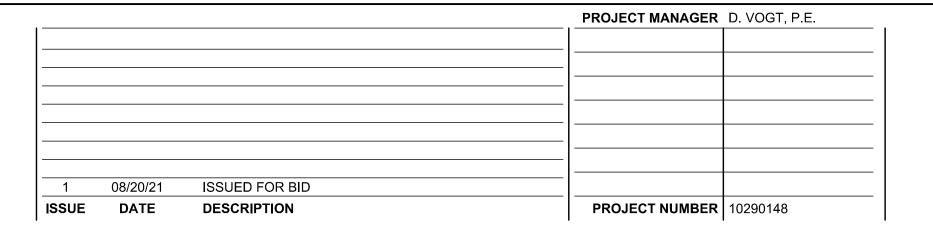
- 1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
- 2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
- The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
- 4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

F)3

ISSUED FOR CONSTRUCTION

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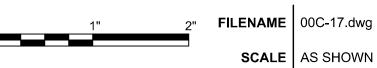


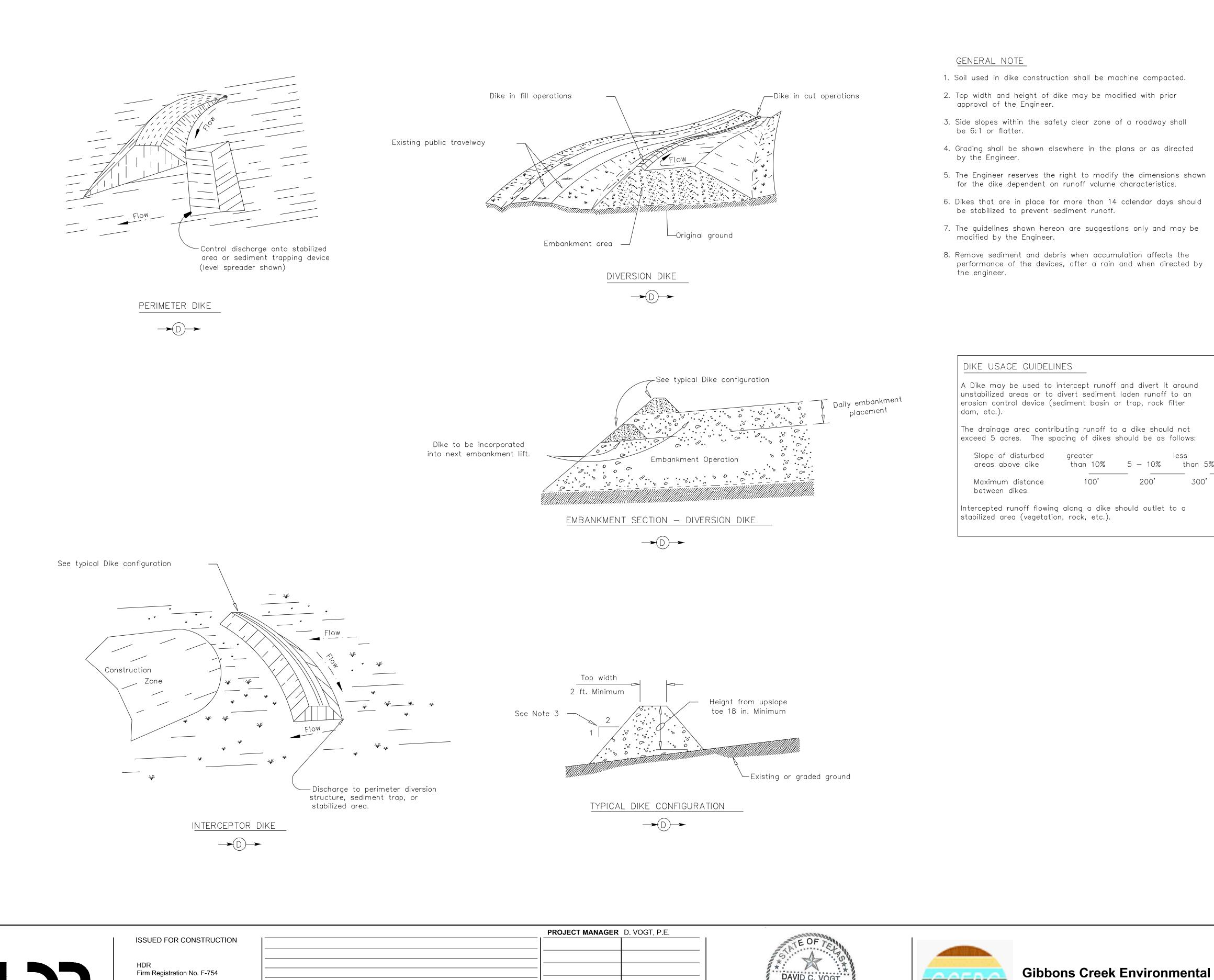




Gibbons Creek Environmental Redevelopment Group, LLC SITE F LANDFILL CLOSURE Anderson, Texas

EROSION CONTROL DETAILS CONSTRUCTION EXITS





PROJECT NUMBER | 10290148

17111 Preston Road, Suite 300 Dallas, Texas 75248-1229

ISSUED FOR BID

DESCRIPTION

08/20/21

972.960.4400

- 1. Soil used in dike construction shall be machine compacted.
- 2. Top width and height of dike may be modified with prior
- 3. Side slopes within the safety clear zone of a roadway shall
- 4. Grading shall be shown elsewhere in the plans or as directed
- for the dike dependent on runoff volume characteristics.
- 6. Dikes that are in place for more than 14 calendar days should
- 7. The guidelines shown hereon are suggestions only and may be
- 8. Remove sediment and debris when accumulation affects the performance of the devices, after a rain and when directed by

A Dike may be used to intercept runoff and divert it around unstabilized areas or to divert sediment laden runoff to an erosion control device (sediment basin or trap, rock filter

The drainage area contributing runoff to a dike should not exceed 5 acres. The spacing of dikes should be as follows:

than 10% 5 - 10% than 5% 300' 200'

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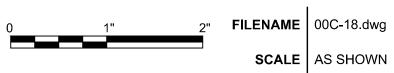
SITE F LANDFILL CLOSURE

Anderson, Texas

Intercepted runoff flowing along a dike should outlet to a

EROSION CONTROL DETAILS DIKES

SCALE AS SHOWN



SHEET 00C-18

