Appendix A
Design Drawings
GENERAL NOTES

1. SOURCES OF TOPOGRAPHY SHOWN ON PLANS IS BASED ON BURROW INFORMATION AND MAPPING PROVIDED BY CORNERSTONE REGIONAL SURVEYING, LLC, 2016. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN. THE CONTRACTOR SHALL VERIFY SCALE, LAYOUT, AND ACCURACY OF WORK PLANS ACCORDINGLY PRIOR TO CONSTRUCTION.

2. SITE VERTICAL DATUM IS BASED ON CORNERSTONE PROJECT KSF-55-02, PROJECT, CONTROL FROM BEND MARK NO. 1, KSF-55-02 PROJECT. SITE HORIZONTAL DATUM IS BASED ON THE KANSAS STATE PLANE COORDINATE SYSTEM, SOUTH ZONE.

3. MENTIONS OF BEFORE-EXISTING SURFACE CONSTRUCTION CONTROLS, POINTS, AND BASES ARE DISTURBED OR DESTROYED. PERFORM THE WORK TO PRODUCTS OF SAME LEVEL OF ACCURACY AS THE ORIGINAL WORKMANSHIP. A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.

4. ALL DIMENSIONS ARE FEET (FT) UNLESS OTHERWISE NOTED.

5. SITE ACCESS IS LIMITED. CONTRACTOR SHALL RESTRICT CONSTRUCTION ACCESS TO THE WORK AREA.

6. CONTRACTOR SHALL CAREFULLY INSPECT THE SITE BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL NOTIFY THE OWNER AND COUNTRY REPRESENTATIVE OF ANY FOUND DISCREPANCIES.

7. THE LOCATIONS OF ALL EXISTING UTILITIES AND NOT SHOWN UTILITIES AND LOCATIONS SHALL BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY LOCAL UTILITIES.

8. SLOPE UNIFORM BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.

9. CONTRACTORS SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD AND SECURING ALL REQUIRED PERMITS. SEE SHEET C-1.

NOTE: ITEMS SHOWN ON PLANS ARE SHOWN AS SCREENED OR LIGHT-LINED REPRESENT EXISTING FEATURES OR ADDITIONAL FEATURES MENTIONED IN THE SPECIFICATIONS OR STORMWATER POLUTION PREVENTION PLAN.
1. **Contractor** is responsible for erosion control, sediment control, and stormwater management on the project site.

2. **Stormwater Control Plans (SWCP)** must be in place prior to commencing construction activities to ensure that stormwater runoff is managed appropriately.

3. **Sediment Fences** are required along the perimeter of the construction area to intercept and trap sediment before it enters stormwater drainages.

4. **Check Dams** are to be constructed as needed to control stormwater flow and sediment deposition.

5. **Temporary Pumps and Discharges** must be provided, operated, and maintained by the Contractor until completion of construction.

6. **Temporary Bulkheads** shall be removed from the site immediately after their purpose is served.

7. **Temporary Enclosures** shall be maintained to prevent materials, such as debris, from entering storm drains or existing stormwater systems.

8. **Temporary Water Barriers** shall be removed from any roadway or driveway at the conclusion of construction.

9. **Temporary Stormwater Control Measures** may require periodic cleaning of any sediment traps to maintain their effectiveness.

10. **Temporary Sediment Basins** shall be installed to intercept and settle sediment before stormwater discharged into the site.

11. **Reclaimed Materials** shall be used for erosion control and sedimentation purposes.

12. **Temporary Stormwater Dikes** shall be constructed as needed to contain sediment and stormwater.

13. **Temporary Stormwater Ditches** shall be constructed as needed to intercept and settle sediment before stormwater discharged into the site.

14. **Temporary Sediment Basins** shall be cleaned and maintained as needed to ensure their effectiveness.

15. **Temporary Sediment Basins** shall be maintained to prevent sediment from entering stormwater systems.

16. **Temporary Sediment Basins** shall be constructed as needed to intercept and settle sediment before stormwater discharged into the site.

17. **Temporary Sediment Basins** shall be maintained to prevent sediment from entering stormwater systems.

18. **Temporary Sediment Basins** shall be maintained to prevent sediment from entering stormwater systems.

19. **Temporary Sediment Basins** shall be maintained to prevent sediment from entering stormwater systems.
NOTES:

1. EXISTING TOPSOIL REMOVED DURING STRIPPING CAN BE STOCKPILED AND REUSED IF IT MEETS SPECIFICATIONS, SEE SHEET C-2.

SHEET CROSS-SECTIONS

NORTH / SOUTH REPOSITORY CROSS-SECTION

- FINAL COVER SYSTEM
- FINISHED GRADE (TOP OF FINAL COVER)
- TOP OF WASTE
- EXISTING GRADE
- WASTE
- EXISTING TOPSOIL
- FINAL COVER SYSTEM
- FINISHED GRADE (TOP OF FINAL COVER)
- TOP OF WASTE
- EXISTING GRADE
- WASTE

SHEET NOTES:

- NORTH-SOUTH REPOSITORY CROSS-SECTION
- CIVIL ENGINEERING
- BUTTERFIELD
- DAL LARDA
- ASKOOG

- TOP OF COVER
- FINISHED GRADE
- FINISHED GRADE (TOP OF FINAL COVER)
- EXISTING GRADE
- WASTE

- H: 1" = 30'
- V: 1" = 10'

- SPECIFICATIONS, SEE SHEET C-2.
- CAN BE STOCKPILED AND REUSED IF IT MEETS SPECIFICATIONS, SEE SHEET C-2.
1. ANGLE BOTH ENDS OF FILTER FABRIC FENCE TO ASSURE SIDE IS TRAPPED
2. INTERLOCKED 2"x4" POSTS AND ATTACH FILTER FABRIC MATERIAL
3. NICKLY GRADED OR DISTURBED SLIDE
4. USE STITCHED LOOPS OVER 2"x4" POSTS
5. PROVIDE BASE COURSE BACKFILL IN TRENCH
6. FILTER FABRIC MATERIAL
7. 36" WIDE ROLLS

NOTES:
A. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW SLOPE.
B. STITCHED LOOPS TO BE INSTALLED DOWNHILL SIDE OF 2"x4" DOUGLAS FIR OR STEEL FENCE POSTS.
C. COMPACT ALL AREAS OF FILTER FABRIC TRENCH.
D. PLOT DATE: 2:26:44 PM 150 6 "

2. TEMPORARY STOCKPILE COVERING
1. ROCK MUST COMPLETELY COVER THE BOTTOM AND SLOPE OF THE STOCKPILE
2. 2:1 SLOPE
3. 1" + THE DISTANCE SUCH AS POINTS A AND B ARE OF EQUAL ELEVATIONS

NOTES:
A. ALL SEAMS SHALL BE TAPE OR WEIGHTED DOWN FULL LENGTH. ALL SEAMS SHALL HAVE A MINIMUM 12" OVERLAP.
B. SEAMS PARALLEL TO THE SLOPE CONTOUR SHALL HAVE THE UPHILL SHEET OVERLAP THE DOWNHILL SHEET.
C. NO SURFACE RUN-OFF SHALL BE ALLOWED TO RUN UNDER THE PLASTIC COVERING.
D. DRAINAGE FROM AREAS COVERED BY REINFORCED PLASTIC SHEETING SHALL BE CONTROLLED SUCH THAT NO DISCHARGE OCCURS DIRECTLY ONTO UNCONTROLLED DISTURBED AREAS OF THE CONSTRUCTION SITE.
E. ALL SAND BAGS SHALL BE MAINTAINED IN PLACE WITH ROPE.
F. HAND, FERTILIZE AND SEED BEFORE INSTALLATION.

3. ESC BLANKET ON SLOPE
1. EXISTING PAVEMENT OR APPROVED ACCESS POINT
2. 25' R. Min
3. CLEANER RUN OR 2 1/2" MINUS GRAVEL (OR LARGER IF REQUIRED)
4. FREE DRAINING EXCAVATED MATERIAL
5. GEOTEXTILE IF SPECIFIED

NOTES:
A. ADDITION GRAVEL SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
B. REMOVE GRAVEL, ENTRANCE AND REPLACE WITH NEW BASE COURSE AND INFILL MATERIAL IN FRONT OF ACCESS ROAD.
C. HAVE A MINIMUM 12" OVERLAP.
D. GRASS LINED DITCH OR NEWLY GRADED MATERIAL FILTER FABRIC POSTS AND ATTACH SOIL IS TRAPPED AT 1" INTERVALS
E. EXISTING GROUND MATERIAL, STOCKPILED 6" M IN
F. TEMPORARY STOCKPILE COVERING 8 " M IN

4. CHECK DAMS
1. C IV IL DETAIL S
2. CIVIL DETAILS

NOTES:
A. ANY SEDIMENT DEPOSITION OF MORE THAN 0.5 FEET SHALL BE REMOVED SO THAT THE CHANNEL IS RESTORED TO ITS DESIGNED CAPACITY.
B. THE CHANNEL SHALL BE EXAMINED FOR SIGNS OF SCOURING AND EROSION OF THE BED AND BANKS. IF SCOURING OR EROSION HAS OCCURRED, AFFECTED AREAS SHALL BE PROTECTED BY RIP-RAP OR AN EROSION CONTROL BLANKET.
C. DACRE, A S KOOG, D A L L A R D

5. CONSTRUCTION ENTRANCE
1. STAPLE OVERLAP, MAX 5 SPACING
2. BRING MATERIAL DOWN TO A LEVEL AREA, TURN THE HEA UNDER 4" AND STAPLE AT 12" INTERVALS
3. ANCHOR IN 4"x4" MIN TRENCH AND STAPLE AT 12" INTERVALS
1. STORMWATER CONTROL DITCH
   - NTS
   - Subgrade Prepared
   - Topsoil, Vegetated
   - Final Surface Restoration Per Technical Specifications

2. FINAL COVER SYSTEM
   - Compacted Native Soil (with a permeability of 1x10^-5 or less)
   - Select Waste Material
   - Slammer (with a permeability of 1x10^-5 or less)