

**SYMBOLS AND LINES LEGEND**

- EXISTING ROADWAYS
- - - EDGE OF WASTE BOUNDARY
- MSE BERM BASE FOOTPRINT
- SILT FENCE
- - - FACILITY BOUNDARY
- - - 100 YEAR FLOODPLAIN
- - - COLONIAL PIPELINE EASEMENT
- - - 50' RIPARIAN BUFFER
- - - SANITARY SEWER EASEMENT
- DB DIVERSION BERM/CHANNEL
- GROUNDWATER MONITORING WELL

- SITE PLAN NOTES**
1. ORIGINAL BOUNDARY SURVEY BY DENNIS LEE, PLS, CA, 2001
  2. GRADE SURVEYS AND PARTIAL EXISTING WASTE FOOTPRINT BY ALLIED ASSOCIATES, PA (CLINT OSBORNE, PLS)
  3. PERIMETER CONTOURS BASED ON EARLIER SURVEYS BY BOTH
  4. E & S CONTROL MEASURES FOR THE CDLF WERE ORIGINALLY PERMITTED CONSISTENT WITH FORMER MINING PERMIT 47-22, BY NCDEQ DIV. OF ENERGY, MINERALS AND NATURAL RESOURCES
  5. E & S CONTROL MEASURES FOR THE TRANSFER STATION SITE WERE PERMITTED IN 2018 GUILFORD CO GRADING PERMIT
  6. WATER SUPPLY WATERSHED: LOWER RANDLEMAN LAKE WS-IV, GENERAL WATERSHED AREA (GWA). DEVELOPMENT RESTRICTIONS MAY APPLY
  7. NEAREST TIER 3 OR TIER 4 WCA IS 2.3 MILES SOUTH
  8. APPLICATIONS FOR NCDOT AND POTW ACCESS ARE UNDER REVIEW

**SITE DEVELOPMENT NOTES**

**CDLF EXPANSION**

CURRENTLY UNDER REVIEW BY NC DEQ SOLID WASTE SECTION

IMPERVIOUS AREA = 5.11 AC, OR 5.9% OF 86.68 AC PROPERTY

EXPANSIONS WILL BE BRING THE WASTE FOOTPRINT TO 36.61 AC

NO CHANGES TO THE CDLF WASTE STREAM WILL OCCUR

THE FACILITY WILL HAVE AN EXPECTED 20-YEAR OPERATIONAL LIFE

THE OWNER/OPERATOR WILL MAINTAIN STORMWATER MEASURES FOR THE DURATION OF OPERATION AND BE RESPONSIBLE FOR A MIN 30-YEAR POST-CLOSURE PERIOD PER NCDEQ REGULATIONS

**EXHIBIT D - FACILITY PLAN**

**GEL Engineering of NC INC**

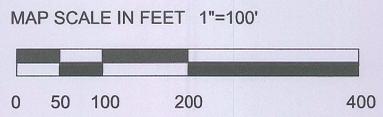
a member of THE GEL GROUP INC  
 ENVIRONMENTAL ■ ENGINEERING ■ SURVEYING

2700 Summer Blvd, Suite 106  
 Raleigh, NC 27616  
 P (919) 544-1100  
 F (919) 237-9177  
 www.gel.com

VERTICAL EXPANSION VIA 20' HIGH MECHANICALLY STABILIZED EARTH (MSE) BERM, A STRUCTURALLY ENHANCED SOIL EMBANKMENT (THIS IS NOT A HIGHWAY-STYLE RETAINING WALL) PERMIT APPLICATION WITH STABILITY CALCULATIONS IS UNDER REVIEW BY NCDEQ DIVISION OF SOLID WASTE

NEW SOIL BERM 8-10 FEET HIGH, VEGETATED WITH EVERGREENS

CONVENTIONAL SOIL SLOPE



SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER

GEL ENGINEERING OF NC, INC. No. C-1938

DAVID GARRETT

03-24-2023

PROJECT/OWNER:  
**A-1 SERVICE GROUP**  
**BISHOP ROAD SOLID WASTE FACILITY**

DRAWING TITLE:  
**PROPOSED FACILITY PLAN IMPROVEMENTS SPECIAL USE PERMIT**  
**NC SOLID WASTE PERMIT 4117-CDLF-2008, GUILFORD COUNTY**

