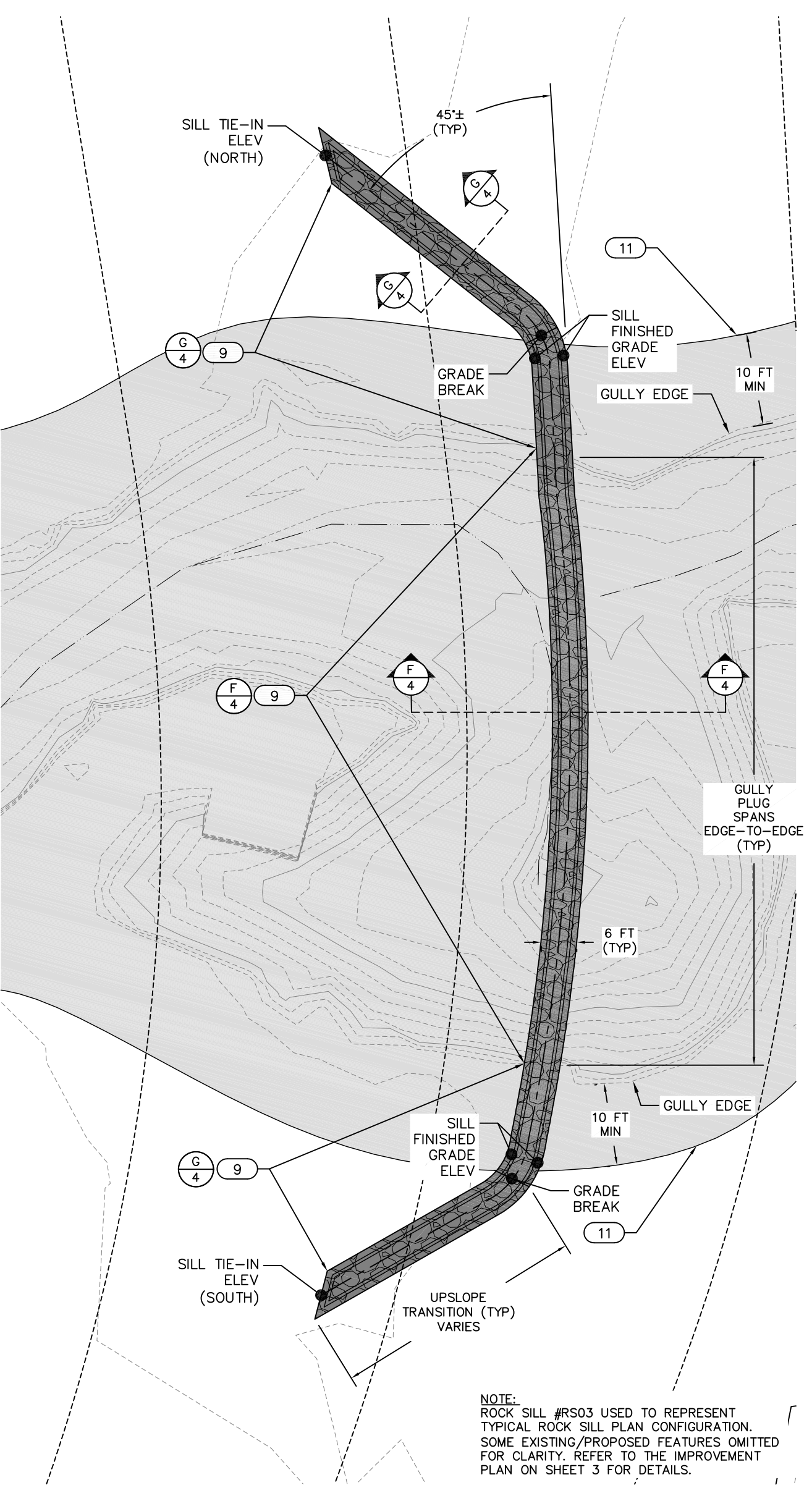
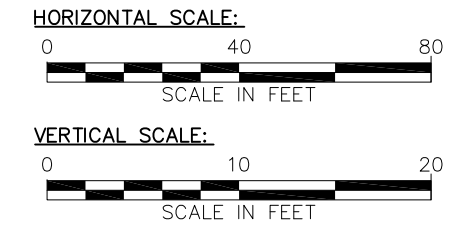
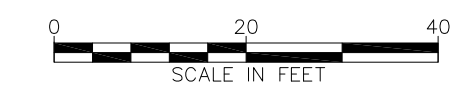


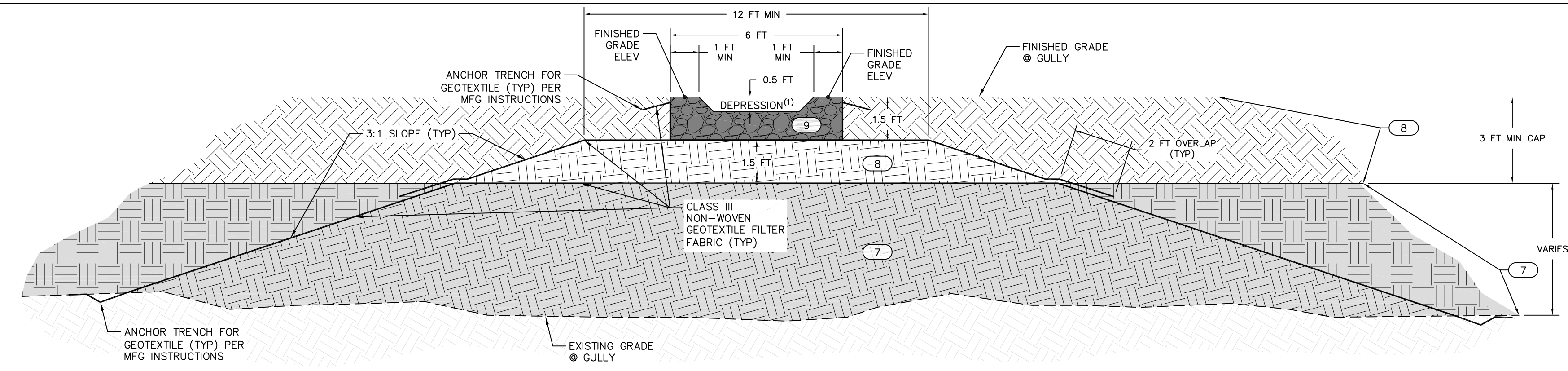
D
3 GULLY IMPROVEMENTS
PROFILE VIEW (VERT EXAGGERATION=4)



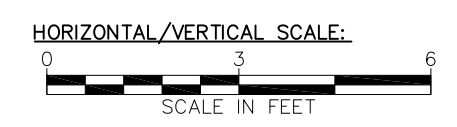
E
3 ROCK SILL
TYPICAL PLAN VIEW FEATURES



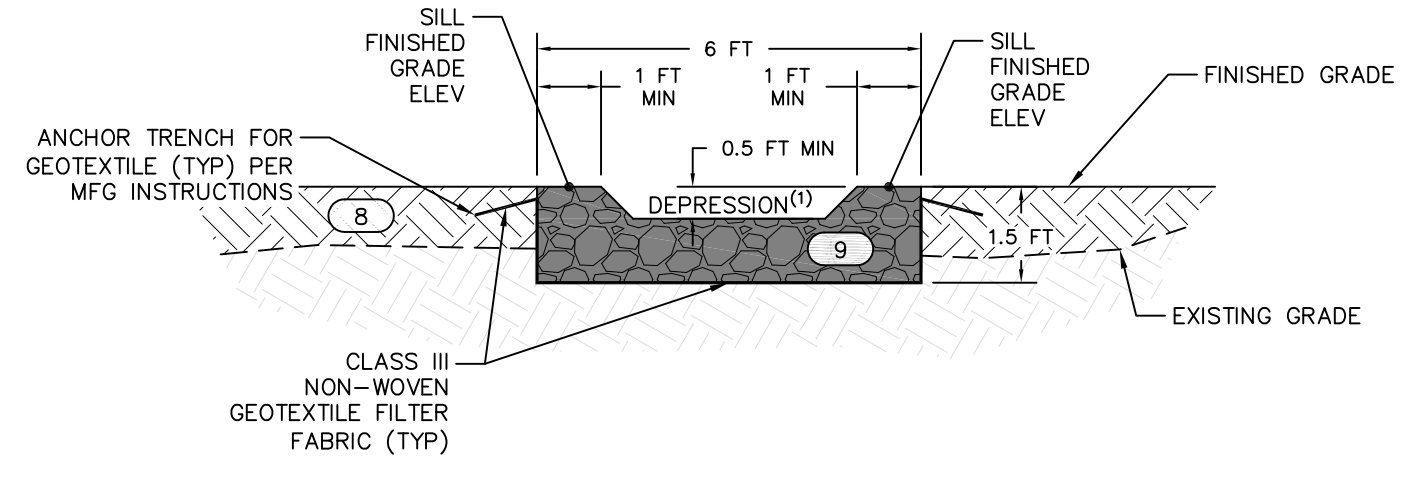
NOTE:
ROCK SILL #RS03 USED TO REPRESENT TYPICAL ROCK SILL PLAN CONFIGURATION. SOME EXISTING/PROPOSED FEATURES OMITTED FOR CLARITY. REFER TO THE IMPROVEMENT PLAN ON SHEET 3 FOR DETAILS.



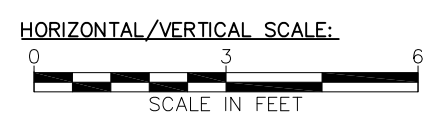
F
4 ROCK SILL & GULLY PLUG
TYPICAL SECTION



NOTE:
1. A SLIGHT DEPRESSION SHALL BE FORMED ALONG THE CENTERLINE OF THE ROCK SILLS TO ACT AS AN ENERGY DISSIPATER IN THE CASE OF LARGER OVERLAND FLOODS. THIS SILL DEPRESSION SHALL SUBSTANTIALLY CONFORM TO THE DIMENSIONS SHOWN ABOVE, BUT MAY HAVE A MORE ROUNDED SHAPE DEPENDING ON EQUIPMENT AND CONSTRUCTION METHODOLOGIES EMPLOYED.



G
4 ROCK SILL
TYPICAL SECTION



NOTE:
1. A SLIGHT DEPRESSION SHALL BE FORMED ALONG THE CENTERLINE OF THE ROCK SILLS TO ACT AS AN ENERGY DISSIPATER IN THE CASE OF LARGER OVERLAND FLOODS. THIS SILL DEPRESSION SHALL SUBSTANTIALLY CONFORM TO THE DIMENSIONS SHOWN ABOVE, BUT MAY HAVE A MORE ROUNDED SHAPE DEPENDING ON EQUIPMENT AND CONSTRUCTION METHODOLOGIES EMPLOYED.

TABLE 1: ROCK SILL SUMMARY TABLE

NUMBER	APPROX STATION @ SILL @	SILL LENGTH (FT)	ROCK QTY (CY) ⁽³⁾	GEOTEXTILE QTY (SY) ⁽¹⁾	SILL FINISHED GRADE (FG) ELEV ⁽²⁾	SILL TIE-IN ELEV (NORTH) ⁽²⁾	SILL TIE-IN ELEV (SOUTH) ⁽²⁾
(RS01)	11+19	245	73	340	6951.00	6951.50	6951.50
(RS02)	11+93	706	209	980	6950.00	6950.50	6950.50
(RS03)	13+45	230	68	320	6947.75	6948.25	6948.25
(RS04)	14+90	832	246	1,156	6445.00	6945.50	6945.50
(RS05)	16+18	170	51	236	6942.50	6943.00	6943.00
(RS06)	16+96	1,368	405	1,902	6940.00	6940.50	6940.50
(RS07)	18+49	233	69	324	6936.00	6936.00	6936.50
(RS08)	19+20	750	221	1,042	6936.00	6936.50	6937.00
TOTAL		4,534	1,342	6,300			

NOTES:
1. GEOTEXTILE QUANTITY ESTIMATED FROM USING THE PLAN LENGTH OF A SILL AND MULTIPLYING BY THE WIDTH OF A STANDARD ROLL OF GEOTEXTILE (12.5 FT). QUANTITY DOES NOT ACCOUNT FOR OVERLAP BETWEEN ROLLS.
2. SEE DETAIL 'E' THIS SHEET FOR EXPLANATIONS AND LOCATIONS OF DESIGN ELEVATION POINTS.
3. VOLUMETRIC QUANTITY ESTIMATES HAVE BEEN INCREASED BY A FACTOR OF 10% TO ACCOUNT FOR SITE AND MATERIAL VARIATIONS, PER AML RECOMMENDATIONS.

CONSTRUCTION TOLERANCES SUMMARY (SEE SPECIFICATIONS PACKAGE FOR MORE INFORMATION):
1. IN FINAL SHAPING OF THE SURFACE OF EARTHWORK, MAINTAIN A TOLERANCE OF 0.25 FOOT (3 INCHES) ABOVE OR BELOW THE PLAN GRADES. EARTHWORK SHALL BE SHAPED TO MATCH ADJACENT SILL GRADES AT THE UPSTREAM AND DOWNSTREAM EDGES OF THE SILLS.
2. ALL EROSION CONTROL ROCK SHALL BE KEYED-IN SUCH THAT FINISH ROCK SURFACES CONFORM TO THE PLAN SECTIONS FOR THE SILLS. LOCAL SURFACE IRREGULARITIES OF THE EROSION PROTECTION ON THE SILL INLET AND OUTLET SHALL NOT VARY FROM THE PLANNED ELEVATIONS BY MORE THAN 0.25 FEET (3 INCHES).

UNAUTHORIZED CHANGES & USES ARE PROHIBITED. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE ORIGINAL DESIGNER. CALL BEFORE YOU DIG.

DRAWING NUMBER: DTL01
SHEET NUMBER: 4 OF 4
DATE: 04-13-2015
GEC PROJECT NUMBER: NM-001-02

DRAWN BY: G. CATHEY
DESIGNED BY: G. CATHEY
REVIEWED BY: N.A.
NO. DATE BY REVISION
4/13/15 GFC 100% DESIGN SUBMITTAL
4/20/15 GFC FIG. 3 ADDED TO DRAWING SET BY AML

DETAIL SHEET

GRANTS URANIUM - SPENCER MINE SAFEGUARD AND RECLAMATION PROJECT
AMBROSIA LAKE, MCKINLEY COUNTY, NM
STATE OF NEW MEXICO EMMRD-MMD-2014-07

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