

180716AN - SIMONDS ROAD PROPERTY



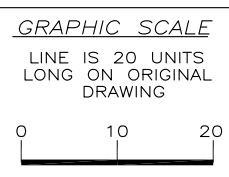
**PLAN VIEW**  
SCALE: 1" = 20'

**SUPPLIED QUANTITIES:**

TOTAL FLAT PANELS:	147
TOTAL SPIRALNAILS:	507

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REV.NO.	DATE	BY	DESCRIPTION
1	25 JUL 19	DH	SHOP DRAWINGS



PROJ. MGR.  
HKH  
ENGINEER  
CADD BY  
DH

**HILFIKER RETAINING WALLS**

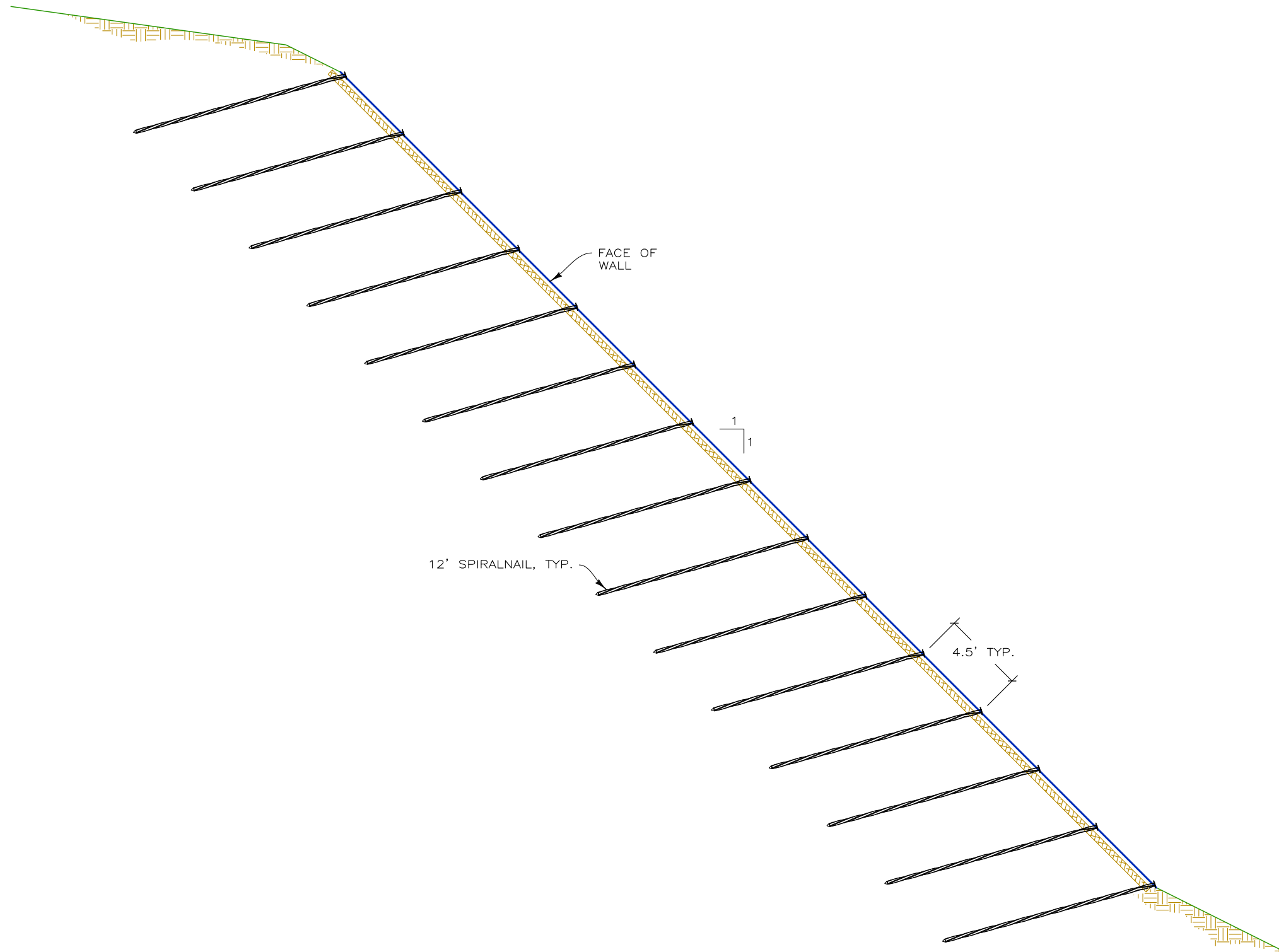
1902 Hilfiker Lane  
Eureka, CA 95503-5711  
TOLL-FREE 800.762.8962  
PH 707.443.5093 FAX 707.443.2891  
WEBSITE www.hilfiker.com E-MAIL info@hilfiker.com

DWG DATE  
24 JUL 18  
REVISION DATE  
25 JUL 19  
SCALE  
NOTED

SHOP DRAWINGS  
SPIRALNAIL WALL  
**SIMONDS ROAD PROPERTY**  
BILL GRADY PROJECT #T-6997  
KIRKLAND, WASHINGTON  
PLAN VIEW

PROJECT NO.  
180716AN  
SHEET  
1  
OF 3

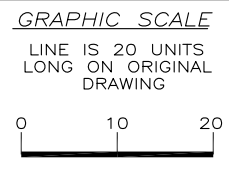
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**TYPICAL SPIRALNAIL SECTION**  
SCALE: 3" = 20'

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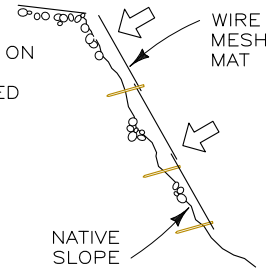
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SHOP DRAWINGS  
SPIRALNAIL WALL  
**SIMONDS ROAD PROPERTY**  
BILL GRADY PROJECT #T-6997  
KIRKLAND, WASHINGTON  
TYPICAL SECTION

PROJECT NO.  
180716AN  
SHEET  
2  
OF  
3

**STEP 1**

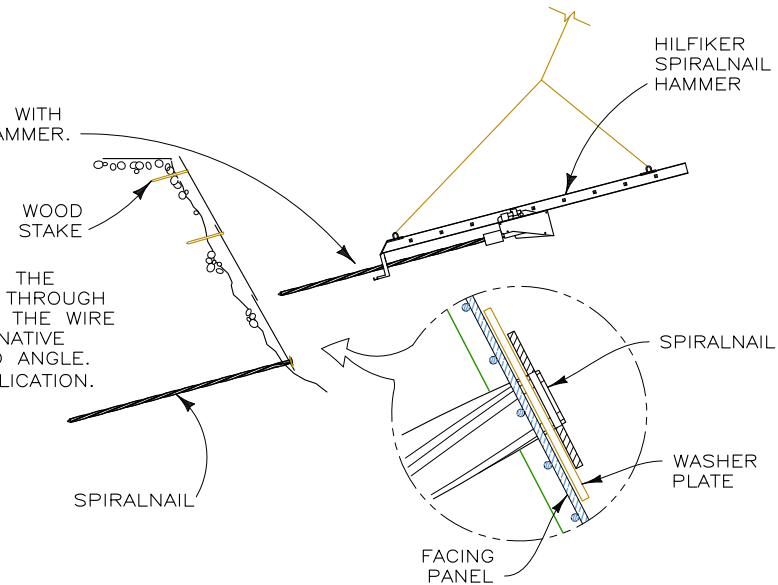
PLACE THE WIRE MESH MATS ON THE NATIVE SLOPE. USE WOODEN STAKE WHERE NEEDED TO TACK MAT IN PLACE.



**STEP 2**

LOAD THE SPIRALNAIL WITH FLANGE, INTO THE HAMMER.

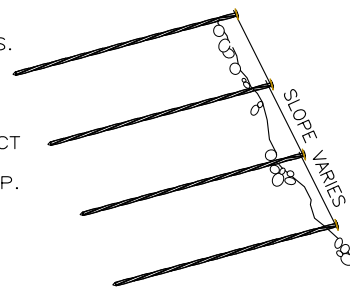
DRIVE SPIRALNAILS FROM THE BOTTOM OF THE SLOPE, THROUGH THE WASHER PLATE AND THE WIRE MESH INTO COMPETENT NATIVE SLOPE AT THE REQUIRED ANGLE. (ANGLE VARIES PER APPLICATION.)



**STEP 3**

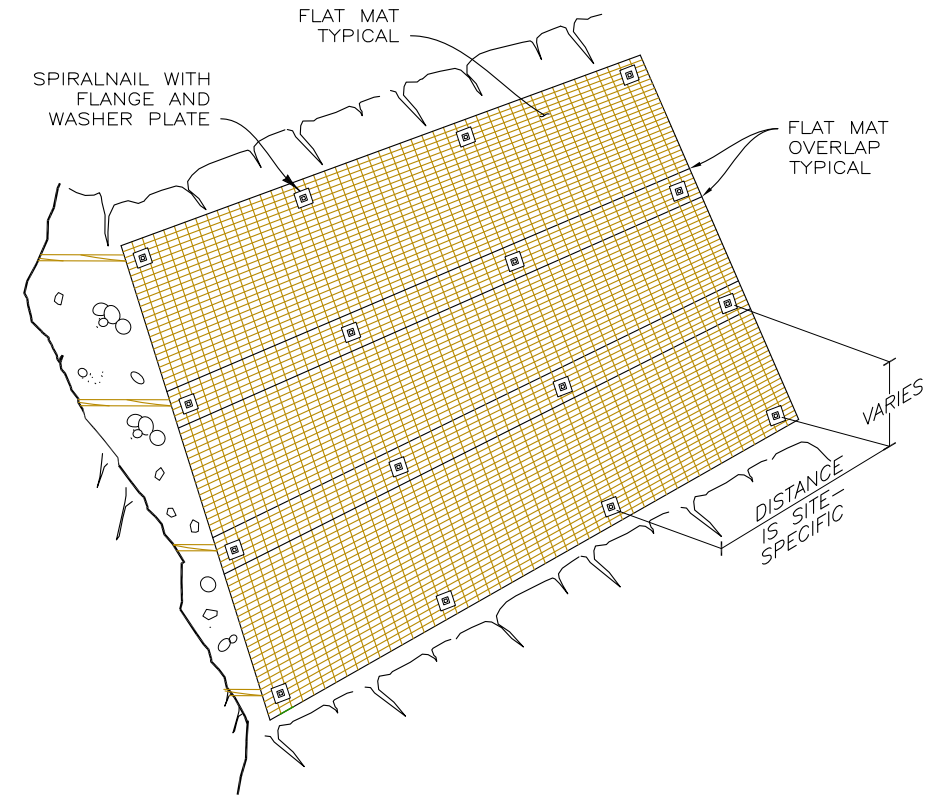
PLACE WIRE MESH MATS WITH OVERLAP PER PROJECT PLANS.

NAIL SPIRALNAILS INTO SLOPE IN GRID PATTERN PER PROJECT PLANS BEING SURE TO NAIL THROUGH WIRE MESH OVERLAP.

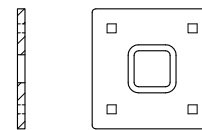


**STEP 4**

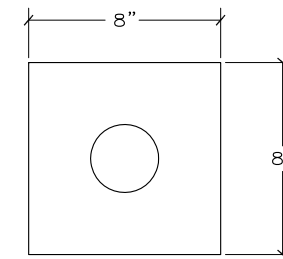
REPEAT STEPS 1-3 TO THE END OF THE WALL MAKING SURE THAT EACH EDGE OF THE WIRE MAT IS SECURELY NAILED INTO SLOPE.



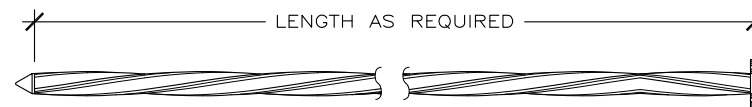
**SLOPED SPIRALNAIL WALL PICTORIAL ELEVATION**



**FLANGE**



**WASHER PLATE**

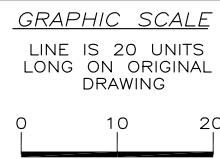


**SPIRALNAIL**

**CONSTRUCTION SEQUENCE**

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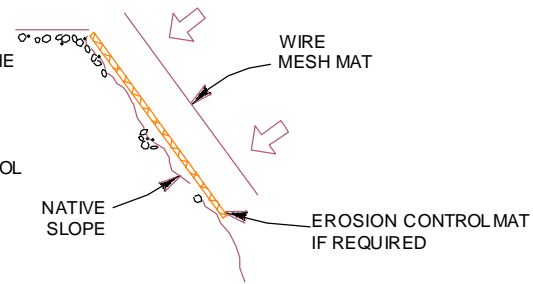
SHOP DRAWINGS	PROJECT NO. 180716AN
SPIRALNAIL WALL	SHEET 3
SIMONDS ROAD PROPERTY	OF 3
BILL GRADY PROJECT #T-6997	
KIRKLAND, WASHINGTON	
TYPICAL DETAILS	

180716AN - SIMONDS ROAD PROPERTY

**STEP 1**

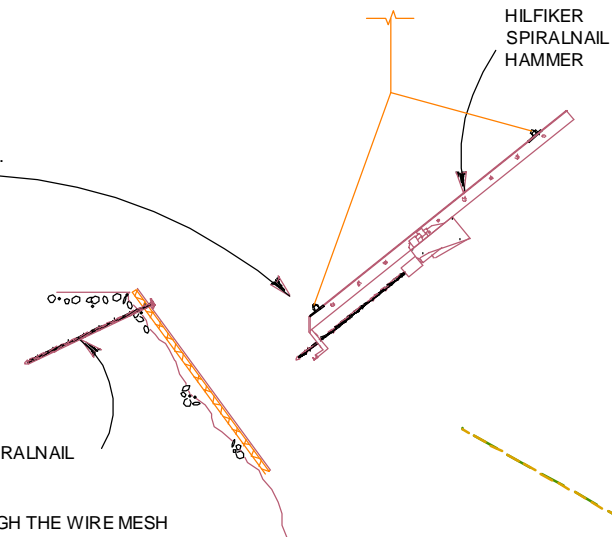
LAY THE FIRST LAYER OF THE EROSION CONTROL MAT ON THE SLOPE BELOW WALL.

PLACE THE WIRE MESH MAT OVER THE EROSION CONTROL MATS.



**STEP 2**

LOAD THE SPIRALNAIL WITH FLANGE, INTO THE HAMMER.

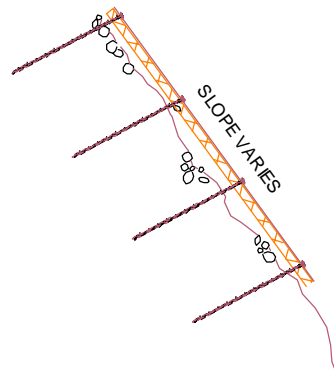


DRIVE SPIRALNAILS THROUGH THE WIRE MESH AND EROSION CONTROL MAT AND INTO COMPETENT NATIVE SLOPE AT THE REQUIRED ANGLE. (ANGLE VARIES PER APPLICATION.)

**STEP 3**

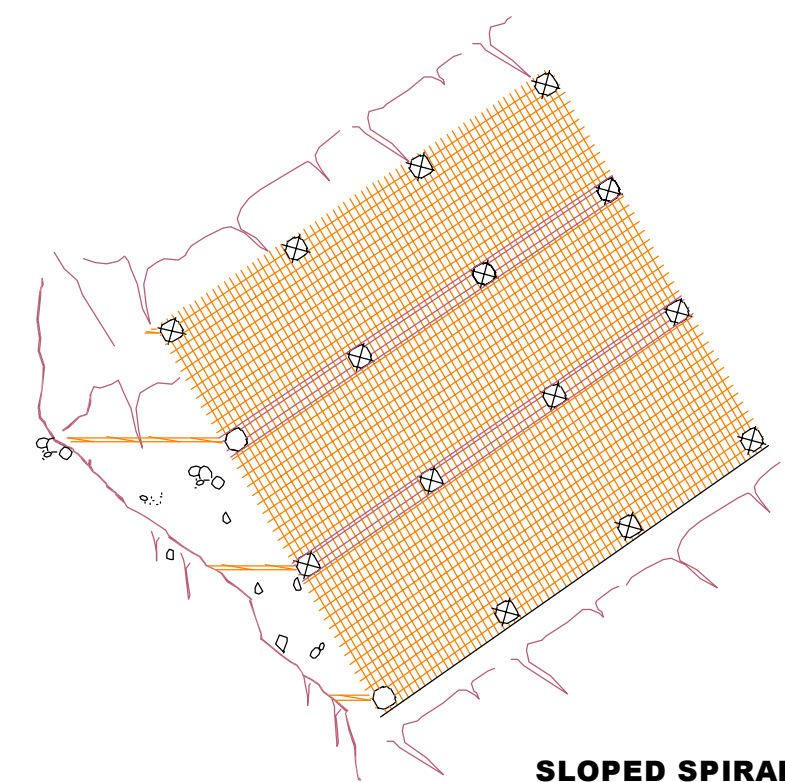
LAY EROSION CONTROL MATS EDGE TO EDGE. PLACE WIRE MESH MATS WITH A 6" OVERLAP.

NAIL SPIRALNAILS INTO SLOPE IN GRID PATTERN PER PROJECT PLANS BEING SURE TO NAIL THROUGH WIRE MESH OVERLAP.

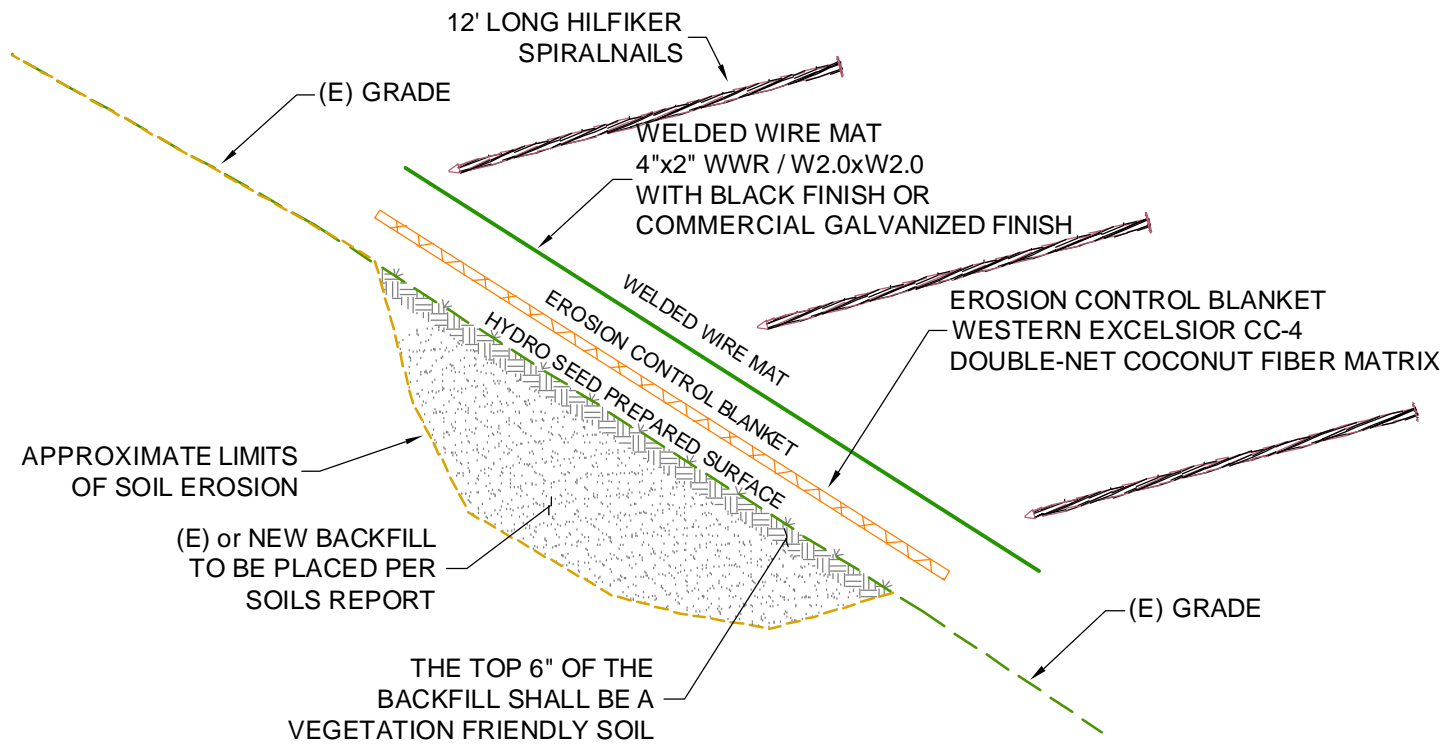


**STEP 4**

REPEAT STEPS 1-3 TO THE END OF THE WALL MAKING SURE THAT EACH EDGE OF THE WIRE MAT IS SECURELY NAILED INTO SLOPE.



**SLOPED SPIRALNAIL WALL  
PICTORIAL ELEVATION**



**SURFACE PREPARATION DETAIL**

NTS

**PROJECT-SPECIFIC NOTES:**

1. REFERENCE DRAWINGS: GEOTECHNICAL REPORT DATED 1 MARCH 2016, BY TERRA ASSOCIATES INC. PROJECT NO. T-6997.
2. IT IS ASSUMED THAT ALL MATERIALS, BACKFILL AND CONSTRUCTION METHODS FOR HILFIKER SPIRALNAILS WILL CONFORM TO HILFIKER'S SPECIFICATIONS.
3. ALL INFORMATION HEREON IS DERIVED FROM THE REFERENCE DRAWINGS, AND IS SUBJECT TO GEOMETRIC AND GEOTECHNICAL CONFIRMATION. THE APPLICABLE HILFIKER CONSTRUCTION GUIDE AND SPECIFICATIONS ARE AN INTEGRAL PART OF THIS SUBMITTAL.
4. THE PURPOSE OF THIS SPIRALNAIL DESIGN IS AS AN EROSION CONTROL MEASURE, AND NOT FOR GLOBAL STABILITY OF THE HILLSIDE. THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE DRAINAGE, SAFETY AND FALL PROTECTION PROVISIONS FOR WORKERS IN COMPLIANCE WITH OSHA AND ANY OTHER APPLICABLE REQUIREMENTS.

**CONSTRUCTION SEQUENCE**