

#### PROJECT-SPECIFIC NOTES:

- 1. REFERENCE DRAWINGS: UNDATED PDF DRAWINGS RECEIVED 15 MARCH AND CADD FILE FROM JACOBS ASSOCIATES RECEIVED 20 MARCH AND REVISED CADD SHOWING REVISED WALL GEOMETRY RECEIVE 7 DECEMBER 2012.
- BLACK AND WHITE REPRODUCTION OF THIS COLOR ORIGINAL MAY REDUCE ITS EFFECTIVENESS AND LEAD TO INCORRECT INTERPRETATION.
- 3. IT IS ASSUMED THAT ALL MATERIALS, BACKFILL AND CONSTRUCTION METHODS FOR HILFIKER M.S.E. WALLS AND/OR GABIONS WILL CONFORM TO HILFIKER'S SPECIFICATIONS AND/OR THOSE OF THE HILFIKER ENGINEERING CONSULTANT.
- 4. THIS IS NOT AN ENGINEERED SUBMITTAL. 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.
- UPON ENGINEERED DESIGN, HILFIKER RETAINING WALLS SHALL BE RESPONSIBLE ONLY FOR THE INTERNAL STABILITY OF THE RETAINING WALL, AND NOT FOR GLOBAL STABILITY OR FOUNDATION BEARING CAPACITY. 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.
- WALL DESIGN SHALL REQUIRE A NON-SATURATED BACKFILL. SURFACE AND SUBSURFACE DRAINAGE CONTROL MAY BE REQUIRED TO PREVENT SATURATION OF THE BACKFILL OR TO RELIEVE HYDROSTATIC PRESSURES. DRAINAGE CONTROL SHALL BE AS SPECIFIED IN THE OWNER'S PROJECT PLANS AND SPECIFICATIONS, OR AS DIRECTED BY THE OWNER'S ENGINEER.

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	THIS DRAWING IS FURNISHED SOLELY FOR THE USE OF OR IN CONNECTION WITH THIS	REV.NO.	DA	\TE	BY	DESCRIPTION	
	PROJECT AND THE PROPRIETARY INFORMATION SHOWN HEREON IS NOT TO BE TRANSMITTED	1	30 M	AR 12	AMJ	CHANGED 2 DETAILS TO ROCK JOINT DETAIL	
>	TO ANY OTHER ORGANIZATION WITHOUT SPECIFIC AUTHORIZATION BY THE HILFIKER	2	13 JU	LY 12	AMJ	REVISED WALL GEOMETRY PER REQUEST	
ğ	SPECIFIC AUTHORIZATION BY THE HILFIKER COMPANY. HILFIKER RETAINING WALLS ARE PROTECTED BY ONE OR MORE OF THE FOLLOWING	3	30 N	OV 12	AMJ	REVISED WALL GEOMETRY PER REQUEST	
$\overline{}$	PATENTS: 243,613; 243,697; 288,616; 4,117,686; 4,329,089; 4,324,508; 4,391,557; 4,505,621;		15 JA	AN 13	AMJ	REVISED WALL GEOMETRY PER REQUEST	
Ó	4,343,318; 4,661,023; 4,856,939; 4,929,125; 5,076,735; 5,647,695; 5,722,799; 5,733,072;	5	21 M	AY 14	AMJ	REMOVED EL. 257 TO EL. 259, 2' SHORTER	
7	6,357,970B1; 6,874,975B2; 7,033,118B2; AND OTHERS. OTHER PATENTS PENDING (2008)						

GRAPHIC SCALE LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

PROJ.MGR HKH **ENGINEER** 

HILFIKER RETAINING WALLS CADD BY AM.I

1902 Hilfiker Lane Eureka, CA 95503-57 OLL-FREE 800.762.8962 PH 707.443.5093 FAX 707.443.2891



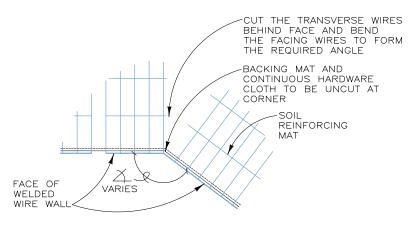
DWG DATE	FOR BIDDING PURPOSES ONLY
29 MAR 12	
20 1111 11 12	WELDED WIRE RETAINING WALL
REVISION DATE	LILLIWAUP FALLS POWER PROJECT
04 14114 44	
21 MAY 14	LILLIWAUP FALLS GENERATING COMPANY
SCALE	LILLIWAUP, WASHINGTON
JUALL	
NOTED	DETAILS AND NOTES

PROJECT 120315BW SHFFT

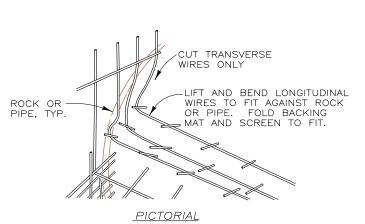
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NOT TO SCALE



PLAN VIEW CONCAVE ANGLE DETAIL NOT TO SCALE

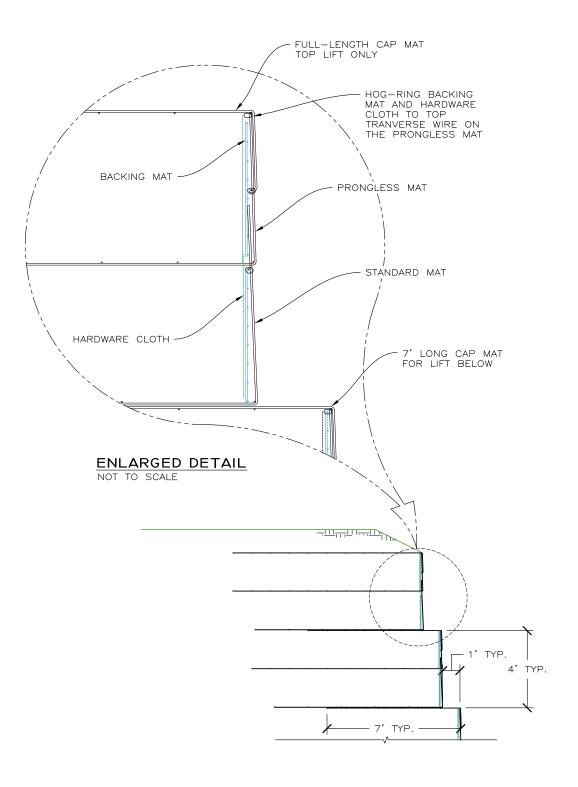


FITTING MATS TO OBSTRUCTION NOT TO SCALE

CUT THE TRANSVERSE WIRES ON THE BASE OF THE MATS AND BEND THE FACE OF THE MATS TO THE REQUIRED ANGLE. OVERLAP THE BASE OF THE MATS. BASE OF SOIL FACE OF REINFORCING MAT WELDED WIRE WALL ANGLE BACKING MAT AND CONTINUOUS HARDWARE CLOTH TO BE UNCUT AT CORNER

> PLAN VIEW OBTUSE CONVEX ANGLE

NOT TO SCALE



SECTION DETAIL SCALE: 1" = 5'

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TO PATENTS: 243,613: 243,613: 243,615: 243,615: 417,686; 417,6 1 30 MAR 12 AMJ CHANGED 2 DETAILS TO ROCK JOINT DETAIL 5 21 MAY 14 AMJ REMOVED EL. 257 TO EL. 259, 2' SHORTER

GRAPHIC SCALE LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

PROJ.MGR HKH **ENGINEER** 

HILFIKER RETAINING WALLS CADD BY AMJ

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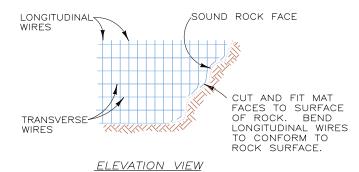
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	FOR BIDDING PURPOSES ONLY
	WELDED WIRE RETAINING WALL
	LILLIWAUP FALLS POWER PROJECT
	LILLIWAUP FALLS GENERATING COMPANY
1	LILLIWAUP. WASHINGTON

DETAILS

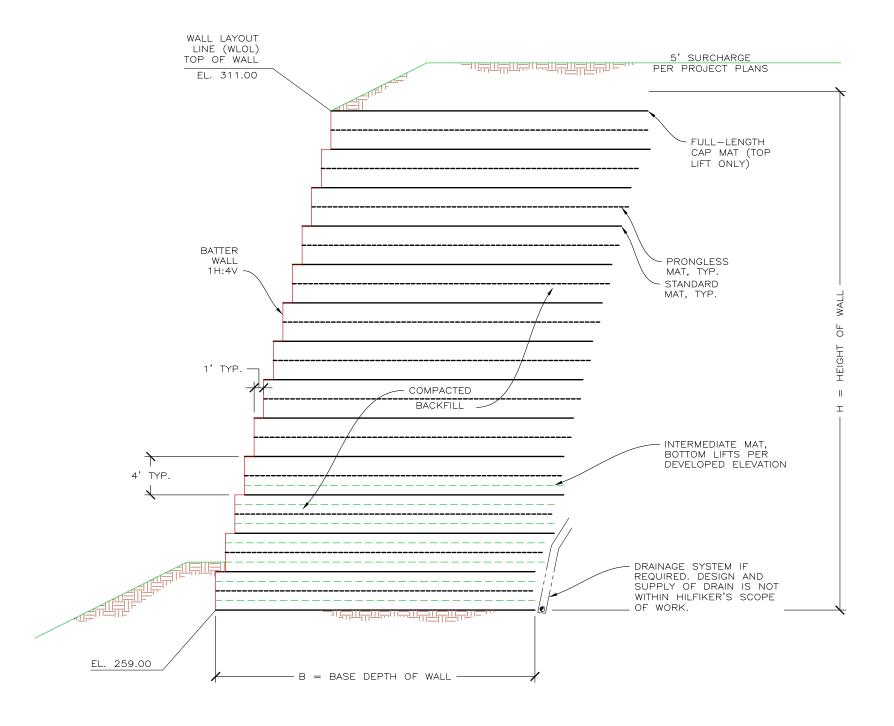
PROJECT NO. 120315BW SHEET

2 OF



#### WIRE WALL DETAIL AT ROCK FACE

NOT TO SCALE



# TYPICAL WELDED WIRE WALL SECTION SCALE: 1" = 10'

NOTE: CAP MATS ARE 7' LONG AND ARE PLACED ON THE TOP OF EACH PRONGLESS MAT EXCEPT THE TOP CAP MAT WHICH IS FULL LENGTH.

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GRAPHIC SCALE
LINE IS 20 UNITS
LONG ON ORIGINAL
DRAWING
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PROJ.MGR. HKH ENGINEER

ENGINEER
CADD BY
AMJ

## HILFIKER RETAINING WALLS

1902 Hilfiker Lane	
Eureka, CA 95503-5711 TOLL-FREE <b>800.762.8962</b>	,
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TYPICAL SECTION

PROJECT NO. 120315BW SHEET

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315BW LILLIWAUP FALLS POWER PROJEC

 $\frac{\text{PLAN VIEW}}{\text{SCALE: 1"} = 20'}$ 

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**GRAPHIC SCALE** LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

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DWG DATE 29 MAR 12 REVISION DATE 21 MAY 14 SCALE

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WELDED WIRE RETAINING WALL LILLIWAUP FALLS POWER PROJECT LILLIWAUP FALLS GENERATING COMPANY LILLIWAUP, WASHINGTON PLAN VIEW

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PROJECT NO. 120315BW SHEET

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GRAPHIC SCALE LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

PROJ.MGR. HKH ENGINEER

CADD BY AMJ

### HILFIKER RETAINING WALLS

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	WEB SITE www.hilf

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1452 1 4	LILLIWAGI TALLO TOWER TROOLS

**PROJECT** LILLIWAUP FALLS GENERATING COMPANY LILLIWAUP, WASHINGTON DEVELOPED ELEVATION

PROJECT NO. 120315BW SHEET

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