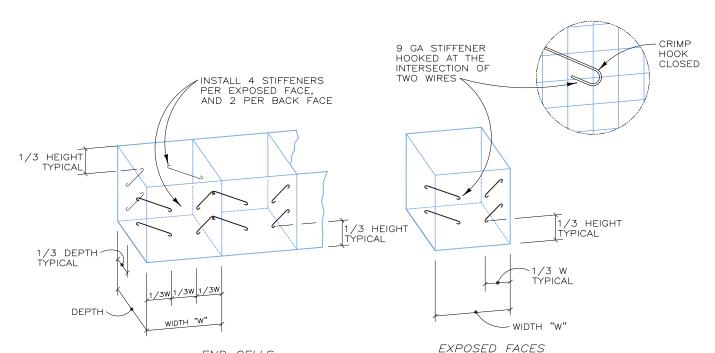


TYPICAL ASSEMBLED GABION NOT TO SCALE



ESTIMATED QUANTITIES		
WALL	FACE AREA	
COMAL SPRINGS WALL COMPLEX	1,688 SQ. FT.	
BLIEDERS CREEK WALL COMPLEX	4,530 SQ. FT.	
TANK OVERFLOW DISSIPATION BASIN	396 SQ. FT.	
NARROW CURB WALL	325 SQ. FT.	
TOTALS	6,939 SQ. FT.	
	WALL  COMAL SPRINGS WALL COMPLEX BLIEDERS CREEK WALL COMPLEX TANK OVERFLOW DISSIPATION BASIN NARROW CURB WALL	

STIFFENER DETAILS NOT TO SCALE

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END CELLS

WHERE HEIGHT OF GABION

WHERE HEIGHT IS 12", NO

STIFFENERS PER FACE

STIFFENERS REQUIRED

IS 18" OR LESS, INSTALL 2

GRAPHIC SCALE LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

PROJ. MGR ВH **ENGINEER** CADD BY

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HILFIKER RETAINING WALLS





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BID DOF: 6 JON 16			
E	FOR BIDDING PURPOSES ONLY		
15	GABION FACED M.S.E. WITH SPIRALNAILS		
DATE	NBU COMAL SPRINGS		
16	CONSERVATION CENTER		
	NEW BRAUNFELS, TEXAS		
)	DETAILS AND NOTES		

AT BACK OF WALL VARIES PER PROJECT PLANS WITH STONE PER PROJECT PLANS, TYP. ARTWELD GABION SPIRALNAIL 12' TYP. 2.5' TYP. T 1' TOE BURY MIN. - BOTTOM OF WALL TYPICAL SECTION SCALE: 3" = 20'

FILL GABION BASKETS

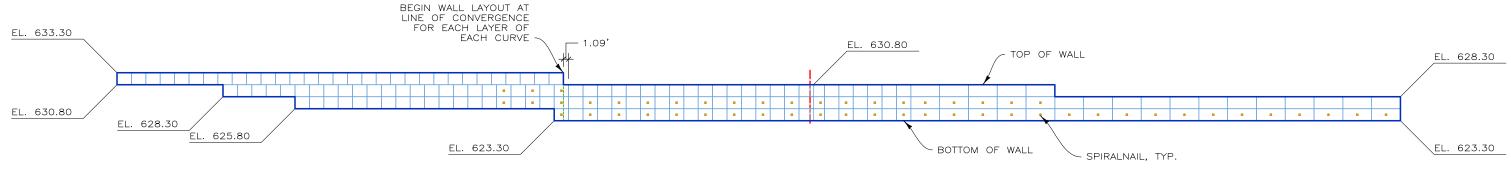
## PROJECT-SPECIFIC NOTES:

FINISHED GRADE

- 1. REFERENCE DRAWINGS: BASED ON LAKE/FLATO PLANS, PHASE 1 PERMIT SET FOR NBU COMAL SPRINGS CONSERVATION CENTER. SHEETS L205, L206, L302, L305, L306, L413 AND L416 THROUGH L419.
- 2. 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.
- 5. 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.
- 6. 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.

PROJECT 150113AF SHEET

OF



DEVELOPED ELEVATION - COMAL SPRINGS RD. WALL COMPLEX SCALE: 1" = 20'

THIS DRAWING IS FURNISHED SOLELY FOR THIS DRAWING IS FURNISHED SOLELY FOR REV.NO.

THE USE OF OR IN CONNECTION WITH THIS SOLE OF THE PROPERTY DATE BY DESCRIPTION 6 JUN 16 AMJ BASED ON PHASE 1 PERMIT SET 5-11-16

GRAPHIC SCALE LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

PROJ. MGR. вн

ENGINEER CADD BY

AMJ

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 26 JAN 15 REVISION DATE 6 JUN 16 SCALE NOTED

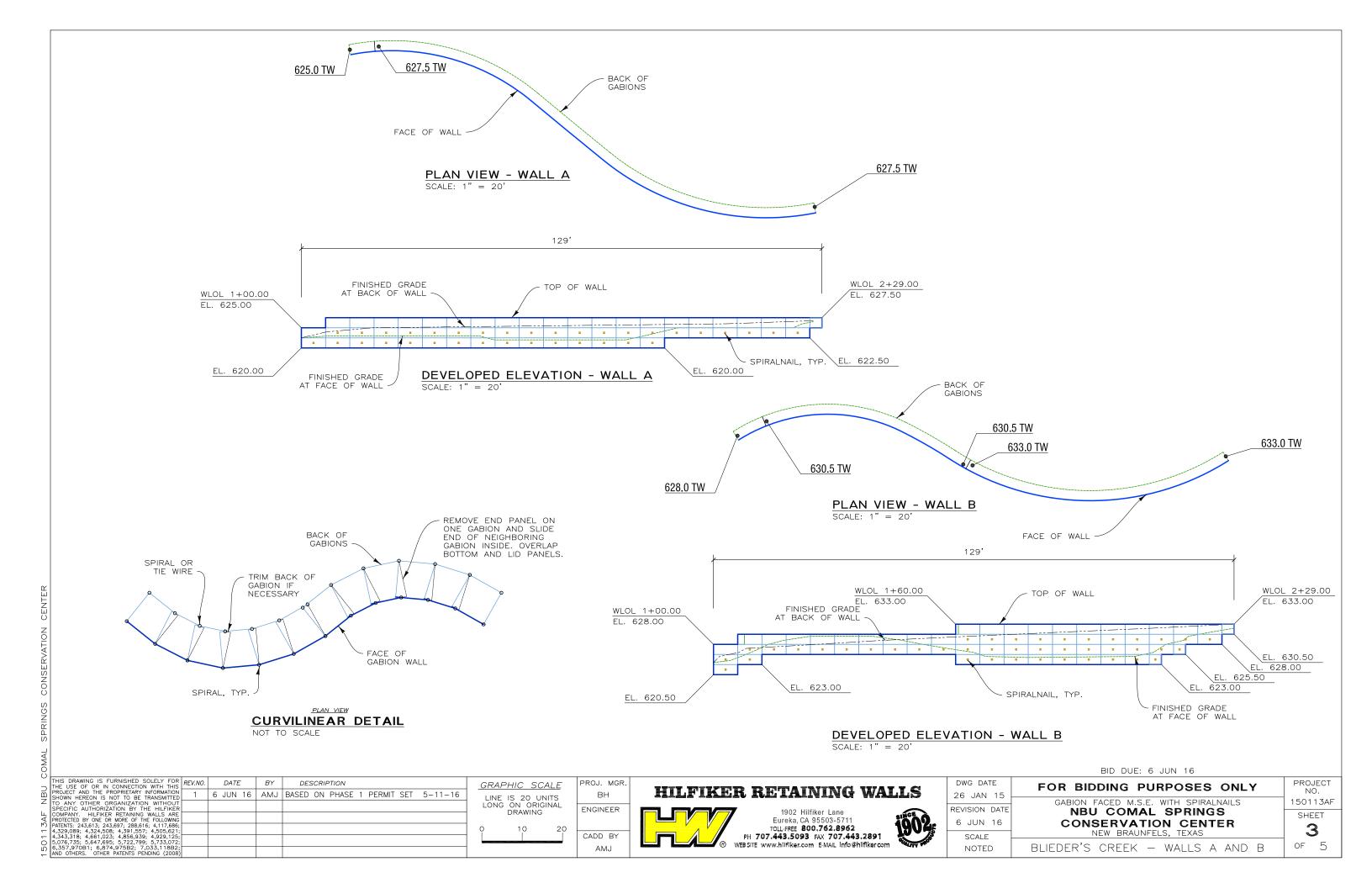
FOR BIDDING PURPOSES ONLY GABION FACED M.S.E. WITH SPIRALNAILS NBU COMAL SPRINGS **CONSERVATION CENTER** NEW BRAUNFELS, TEXAS

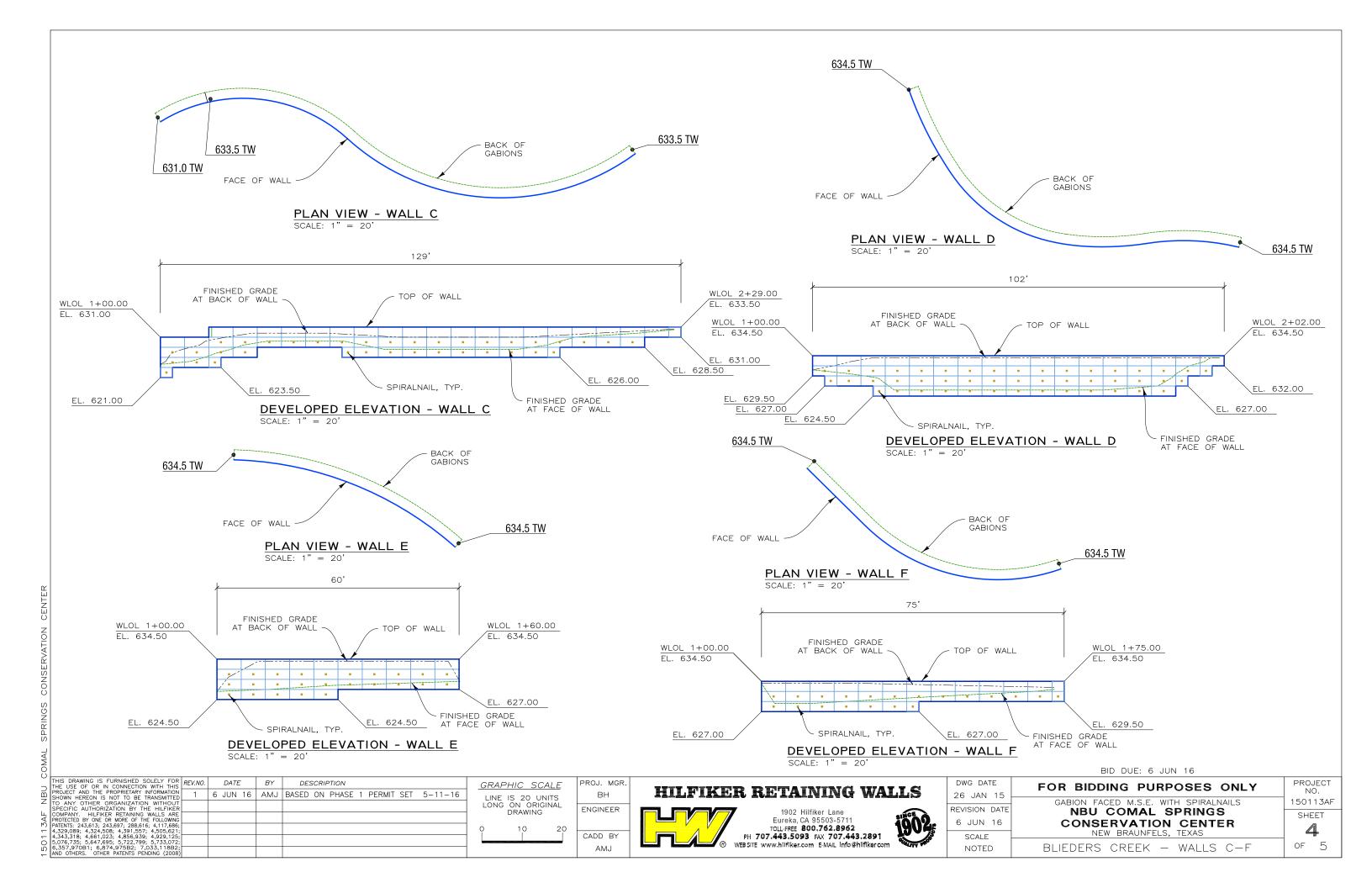
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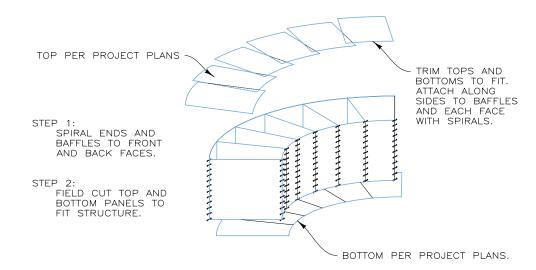
COMAL SPRINGS WALL COMPLEX

PROJECT NO. 150113AF SHEET 2

of 5

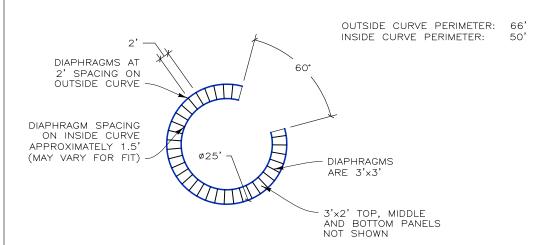






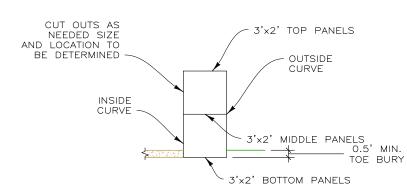
## CURVED GABION ASSEMBLY

NOT TO SCALE



## PLAN VIEW - TANK OVERFLOW DISSIPATION BASIN

SCALE: 1" = 20' 6' TALL



## TYP. SECTION - TANK OVERFLOW DISSIPATION BASIN

SCALE: 1" = 20'

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GRAPHIC SCALE LINE IS 20 UNITS LONG ON ORIGINAL DRAWING

PROJ. MGR вн **ENGINEER** 

EL. 634.50

EL. 632.00

CADD BY AMJ

HILFIKER RETAINING WALLS 1902 Hilfiker Lane Eureka, CA 95503-571 TOLL-FREE **800.762.8962** PH 707.443.5093 FAX 707.443.2891
WEBSITE www.hilfiker.com E-MAIL Info@hilfiker.com

SCALE: 1" = 20'



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**PURPOSES ONLY** I.S.E. WITH SPIRALNAILS IAL SPRINGS ATION CENTER UNFELS, TEXAS TANK DISSIPATOR & NARROW CURB WALL

**PROJECT** 150113AF SHEET 5

OF

FILL AND COMPACT GABION AS REQUIRED. SPIRAL GABION LID SECURELY IN PLACE. BURY VERTICAL SUPPORT ROD TO DEPTH TO BE DETERMINED SUPPORT ROD DETAIL NARROW CURB WALL SCALE: 1" = 20' TRIM GABION AT ANGLE AS NEEDED PLAN VIEW - NARROW CURB WALLS SCALE: 1" = 20'END VIEW OF GABION SHOWN ON OTHER SIDE OF ANGLE POINT, TYP. TOP OF WALL EL. 634.50 EL. 634.50 EL. 632.00 EL. 632.00 BOTTOM OF WALL DEVELOPED ELEVATION - NARROW CURB WALLS

VERTICAL SUPPORT RODS IN GABIONS OF NARROW CURB WALL.

DETAILS TO BE DETERMINED.

BID DUE: 6 JUN 16