

POND 1 EXCAVATION CALCULATIONS

TOTAL AREA = 5.98 ACRES
FILL VOLUME (1.55x) = 38,247 CU.YDS
EXCAVATION VOLUME = 41,443 CU.YDS
NET DIFFERENCE = 3,196 CU.YDS.

POND 1 CAPACITY CALCULATIONS (GROSS)

TOTAL AREA (EL 3167.55') = 4.17 ACRES
VOLUME = 86,303 CU.YDS
CAPACITY = 415,023 BBLS

POND 1 CAPACITY CALCULATIONS (NET)

TOTAL AREA (EL 3164.55) = 3.81 ACRES
VOLUME = 70,796 CU.YDS
CAPACITY = 340,451 BBLS

POND 1 BREECH VOLUME CALCULATIONS

BETWEEN EL 3155.0' - 3167.55'
VOLUME = 69,783 CU.YDS
CAPACITY = 335,580 BBLS

POND 2 EXCAVATION CALCULATIONS

TOTAL AREA = 6.40 ACRES
FILL VOLUME (1.55x) = 39,109 CU.YDS
EXCAVATION VOLUME = 37,448 CU.YDS
NET DIFFERENCE = 1,661 CU.YDS.

POND 2 CAPACITY CALCULATIONS (GROSS)

TOTAL AREA (EL 3161.00') = 4.52 ACRES
VOLUME = 90,932 CU.YDS
CAPACITY = 437,283 BBLS

POND 2 CAPACITY CALCULATIONS (NET)

TOTAL AREA (EL 3158.00') = 4.14 ACRES
VOLUME = 74,364 CU.YDS
CAPACITY = 357,609 BBLS

POND 2 BREECH VOLUME CALCULATIONS

BETWEEN EL 3148.0' - 3161.00'
VOLUME = 79,638 CU.YDS
CAPACITY = 382,971 BBLS

NOTES

- PUMPING SYSTEMS ARE INSTALLED BY CHEVRON. PIPE STANDS AND PUMPS ARE LOCATED BY CHEVRON.
- THE CONTRACTOR SHALL REFER TO THE TECHNICAL SPECIFICATIONS FOR THE SALADO DRAW WATER RECYCLING PROJECT IN ADDITION TO THE DRAWINGS FOR EARTHWORK CONSTRUCTION.
- SEE SHEET 16 FOR POND 1 AND POND 2 ABOVE GRADE STAKING PLAN

RECEIVED

By OCD Dr Oberding at 10:13 am, Dec 16, 2016

LEGEND

- 3155 EXISTING 5' CONTOUR INTERVAL (FEET, MSL)
- EXISTING 1' CONTOUR INTERVAL
- 3150 PROPOSED 2' CONTOUR INTERVAL (FEET, MSL)
- PROPOSED 1' CONTOUR INTERVAL
- PERMIT BOUNDARY



REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED	NL
DRAWN	DKK
CHECKED	JV
DATE	10/18/16

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Tetra Tech Inc.
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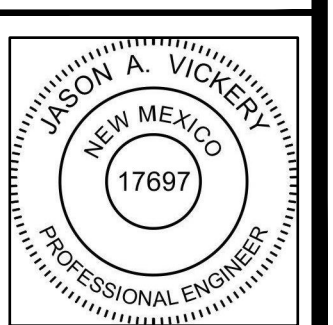
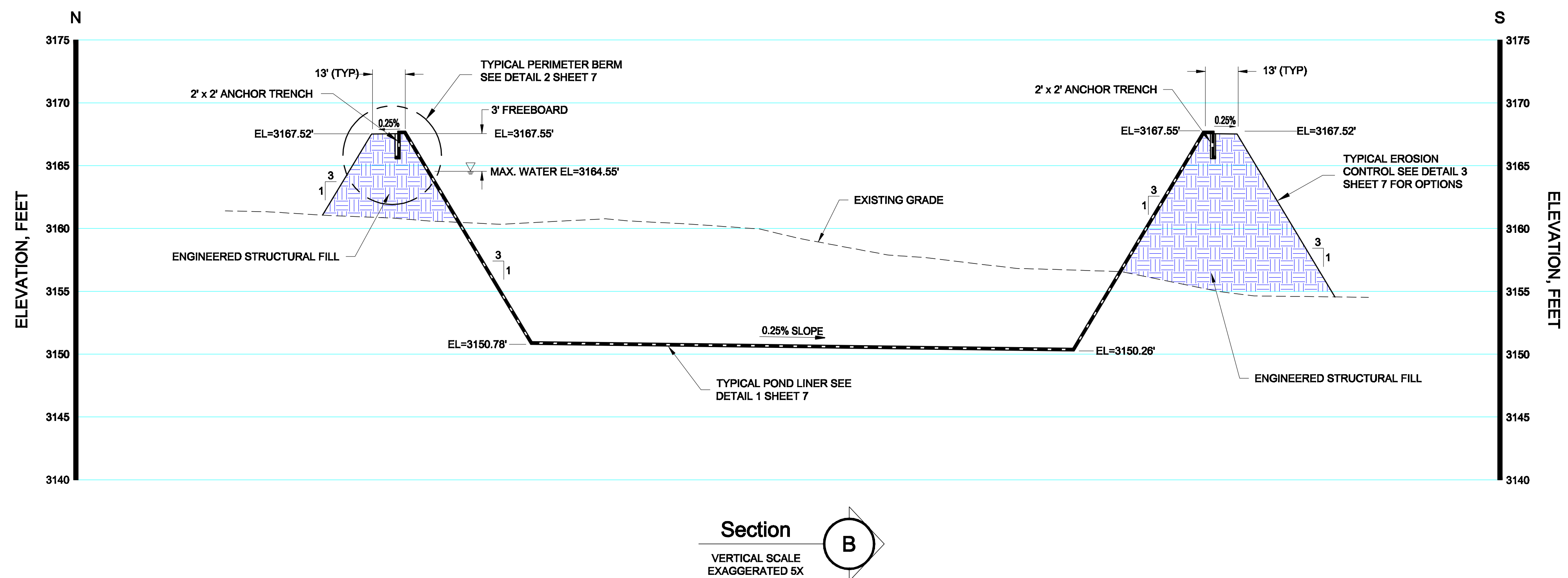
CHEVRON N.A. E&P, MCBU
LEA COUNTY, NEW MEXICO
GPS (WGS84): 32.034518°N, -103.638474°W



VERIFY SCALE
BAR IS ONE (1) INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE (1) INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

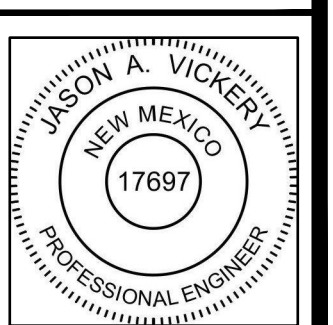
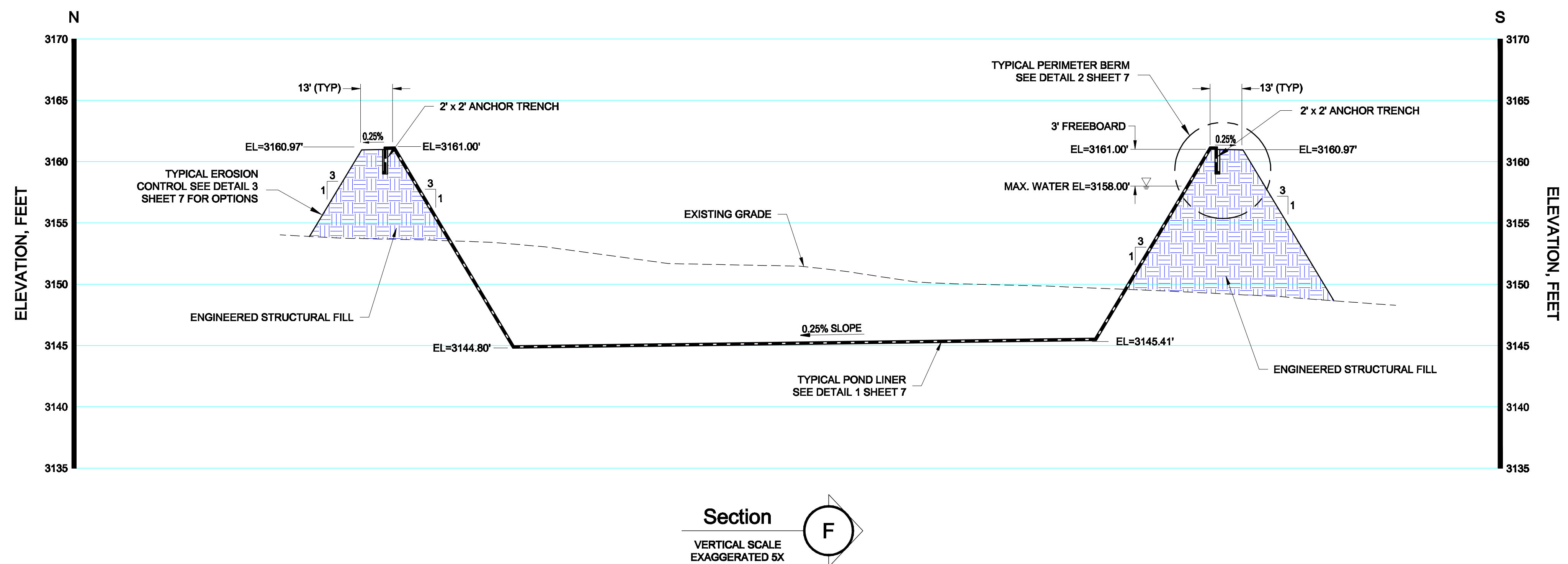
SCALES:
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: NA

**POND 1 AND POND 2
COMPLETION PLAN
SALADO DRAW
LEA COUNTY, NEW MEXICO**

PROJECT NO. 212C-MD-00546
DRAWING NO. C-4
SHEET NO. 4 OF 16



REVISIONS			DESIGNED NL	CONFIDENTIAL NOTICE		Tetra Tech Inc. Texas Registered Engineering Firm F-3824	4000 N. BIG SPRING, Suite 401 MIDLAND, TEXAS 79705 (432) 682-4559	CHEVRON N.A. E&P, MCBU LEA COUNTY, NEW MEXICO GPS (WGS84): 32.034518°N, -103.638474°W	VERIFY SCALE BAR IS ONE (1) INCH ON ORIGINAL DRAWING.  IF NOT ONE (1) INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	SCALES: HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 6'	POND 1 CROSS-SECTIONS SALADO DRAW LEA COUNTY, NEW MEXICO	PROJECT NO. 212C-MD-00546 DRAWING NO. C-5 SHEET NO. 5 OF 16	
NO.	DATE	DESCRIPTION											
			DRAWN DKK										
			CHECKED JV										
			DATE	10/18/16									



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NO.	DATE	DESCRIPTION	DRAWN	DKK	
			CHECKED	JV	
			DATE	10/18/16	