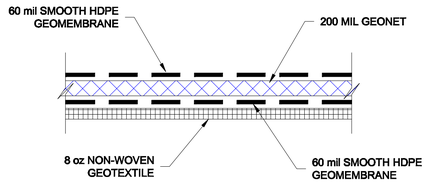
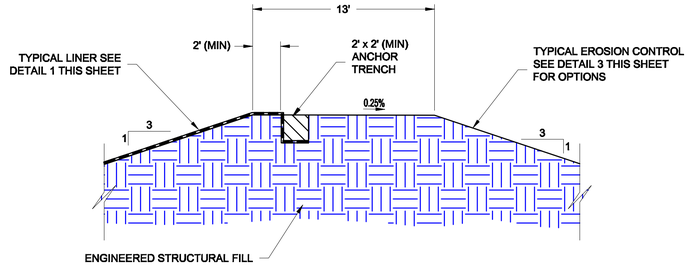


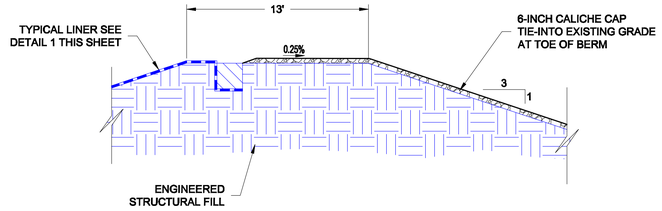

1 TYPICAL LINER

NTS

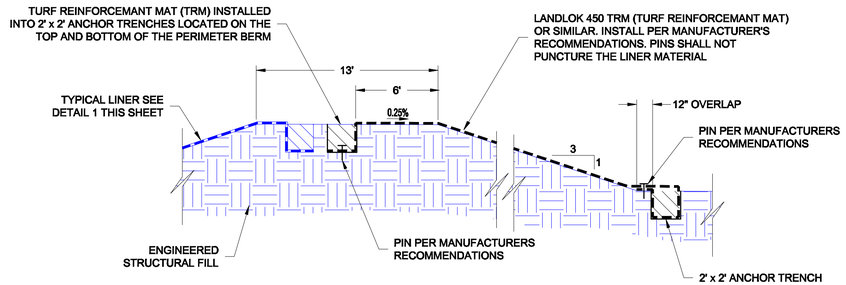



2 PERIMETER BERM

NTS

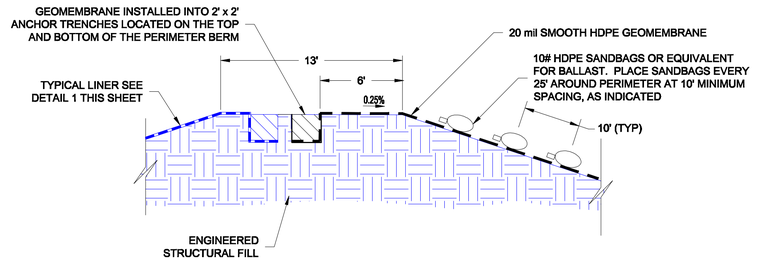



OPTION 1




OPTION 2

BOTTOM ANCHOR TRENCH TO BE LOCATED 1' (MIN) PAST THE TOE OF THE PERIMETER BERM




OPTION 3

BOTTOM ANCHOR TRENCH TO BE LOCATED 1' (MIN) PAST THE TOE OF THE PERIMETER BERM

3 TYPICAL EROSION CONTROL OPTIONS

NTS

## NOTES:

1. ANCHOR TRENCHES WILL BE INSTALLED PER THE DRAWINGS AND AS RECOMMENDED BY THE GEOSYNTHETICS MANUFACTURER.
2. EROSION CONTROL OPTIONS PROVIDED IN DETAIL 3 ARE RECOMMENDED TO MINIMIZE EROSION AND WILL NOT PREVENT EROSION FOR ALL WEATHER EVENTS. OPTION 1 AND 2 ARE PREFERRED. OPTION 3 IS THE LEAST PREFERRED METHOD, SINCE THE LIFE EXPECTANCY OF THIS OPTION IS LOW GIVEN NORMAL ENVIRONMENTAL CONDITIONS OF THE REGION. EROSION CONTROL OPTION WILL BE SELECTED BY CHEVRON AT TIME OF INSTALLATION.
3. THE CONTRACTOR SHALL REFER TO THE TECHNICAL SPECIFICATIONS FOR SALADO DRAW WATER RECYCLING POND CONSTRUCTION IN ADDITION TO THE DRAWINGS FOR GEOSYNTHETICS SPECIFICATIONS.
4. DURING CONSTRUCTION AND OPERATIONAL PERIODS WHEN THE PONDS ARE NOT IN USE, BALLAST, SUCH AS SANDBAGS OR SIMILAR, SHOULD BE PLACED ON TOP OF ALL LINERS TO MINIMIZE POTENTIAL FOR LINER SYSTEM PULLOUT. SEE SPECIFICATIONS FOR DETAILS.



JASON A. VICKERY NEW MEXICO 17697 PROFESSIONAL ENGINEER

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

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



Tetra Tech Inc.
Texas Registered Engineering Firm F-3924
4000 N. BIG SPRING, Suite 401
MIDLAND, TEXAS 79705
(432) 682-4559

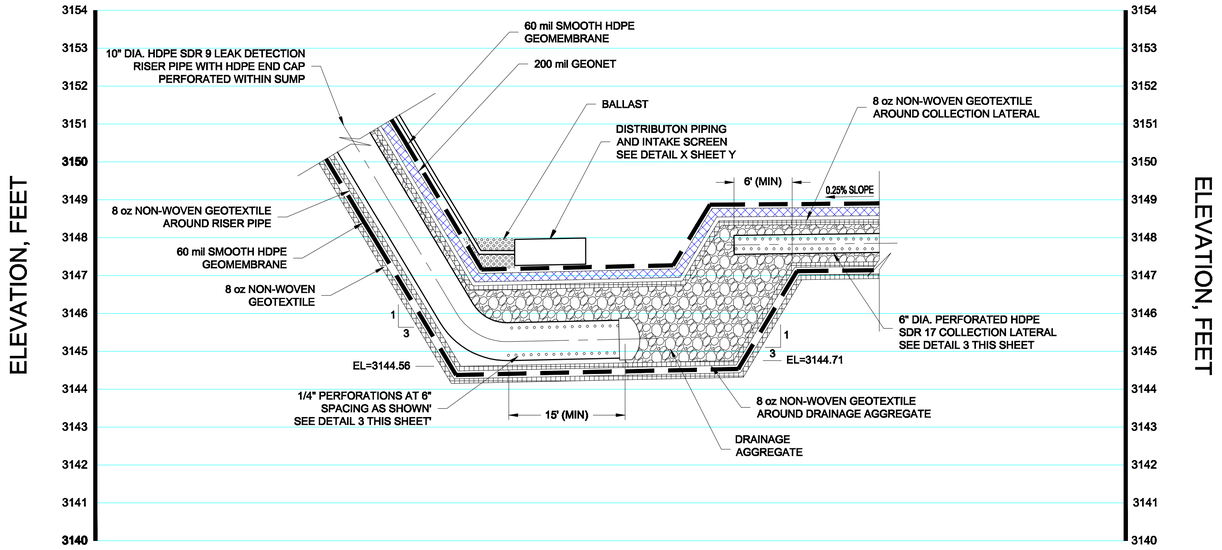
CHEVRON N.A. E&P, MCBU
LEA COUNTY, NEW MEXICO
GPS (WGS84): 32.034518°N, -103.638474°W

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

SCALES:
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: NA

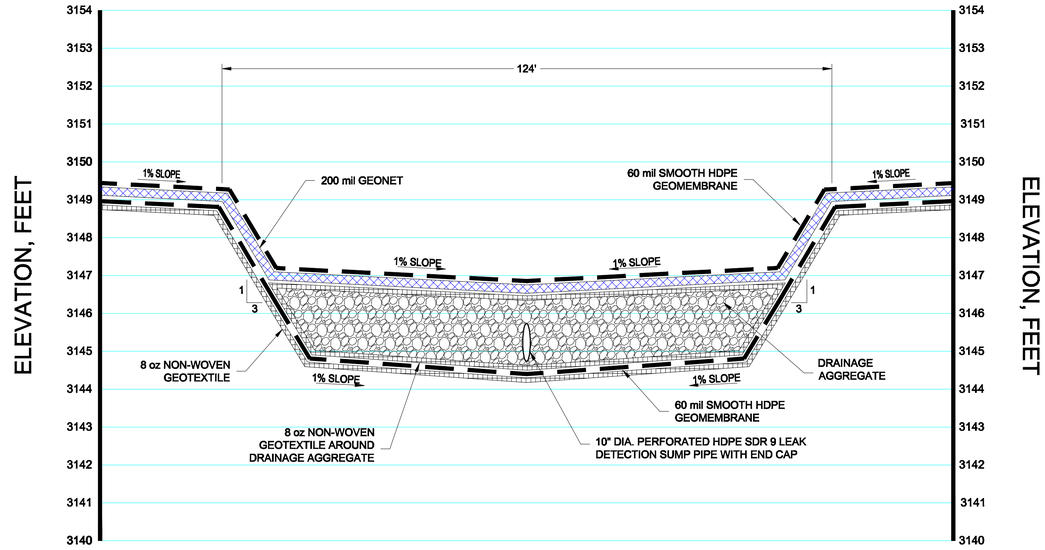
# POND #1 AND POND #2
# TYPICAL LINER DETAILS
# SALADO DRAW
# LEA COUNTY, NEW MEXICO

| | |
|---|---|
| PROJECT NO. | 212C-MD-00546 |
| DRAWING NO. | C-7 |
| SHEET NO. | 7 OF 16 |



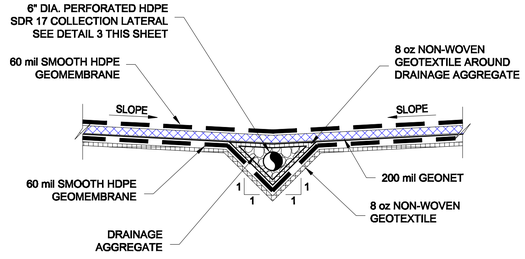

Section C

VERTICAL SCALE EXAGGERATED 5X



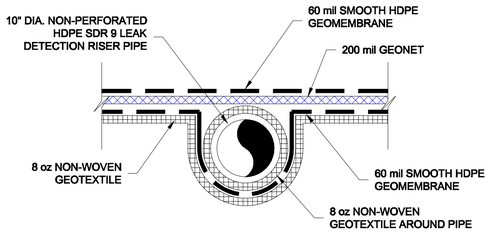

Section D

VERTICAL SCALE EXAGGERATED 5X



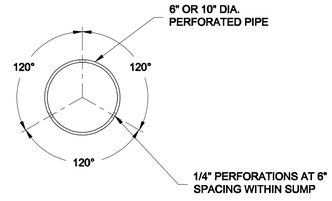

1 TYPICAL COLLECTION TRENCH

NTS




2 TYPICAL LDS RISER TRENCH

NTS




3 COLLECTION TRENCH/SUMP PIPE DETAIL

NTS

## NOTES:

1. 10" LEAK DETECTION RISER PIPE WILL BE PERFORATED WITHIN SUMP. PERFORATIONS WILL BE 1/4" DIAMETER HOLES AT 6" SPACING INTERVALS. PERFORATIONS WILL BE AT 120° AROUND THE CIRCUMFERENCE OF THE LEAK DETECTION SYSTEM RISER PIPE. REFERENCE DETAIL 3 THIS SHEET
2. THE CONTRACTOR SHALL REFER TO THE TECHNICAL SPECIFICATIONS FOR THE SALADO DRAW WATER RECYCLING POND CONSTRUCTION IN ADDITION TO THE DRAWINGS FOR GEOSYNTHETICS SPECIFICATIONS.
3. GEOSYNTHETICS HAVE BEEN EXAGGERATED FOR CLARITY.

JASON A. VICKERY NEW MEXICO 17697 PROFESSIONAL ENGINEER

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

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



Tetra Tech Inc.
Texas Registered Engineering Firm F-3924
4000 N. BIG SPRING, Suite 401
MIDLAND, TEXAS 79705
(432) 682-4559

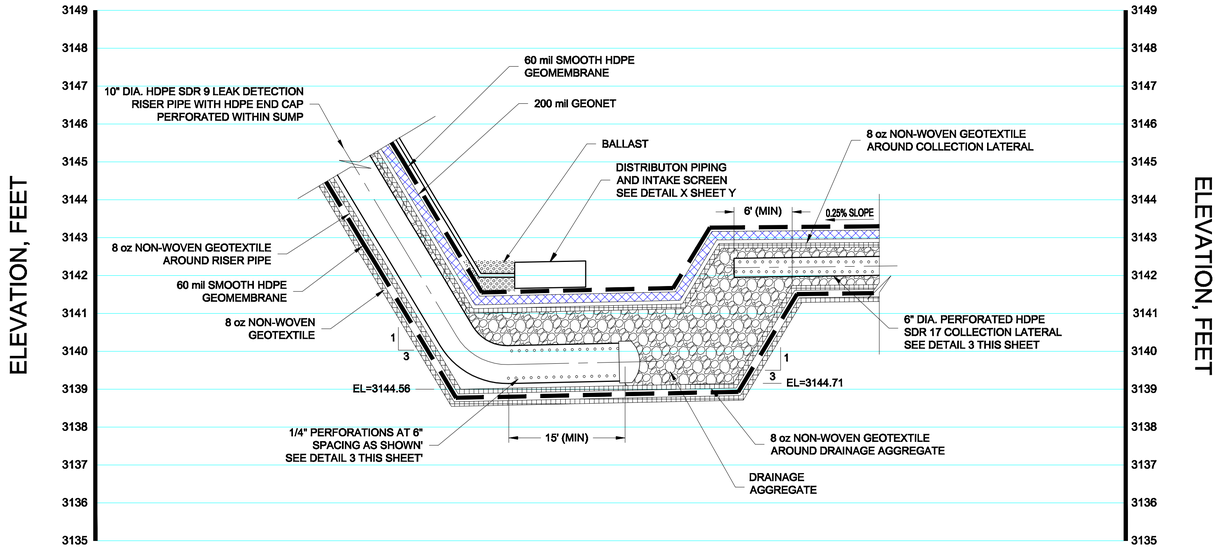
CHEVRON N.A. E&P, MCBU
LEA COUNTY, NEW MEXICO
GPS (WGS84): 32.034518°N, -103.638474°W

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

SCALES:
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: NA

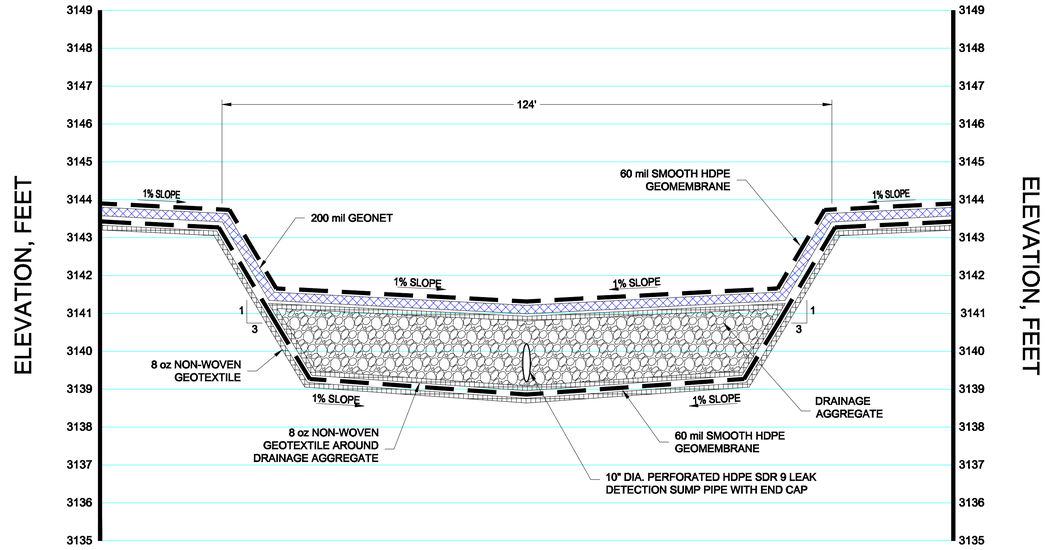
# SUMP CROSS-SECTIONS AND RISER DETAILS SALADO DRAW LEA COUNTY, NEW MEXICO

PROJECT NO. 212C-MD-00546
DRAWING NO. C-8
SHEET NO. 8 OF 16



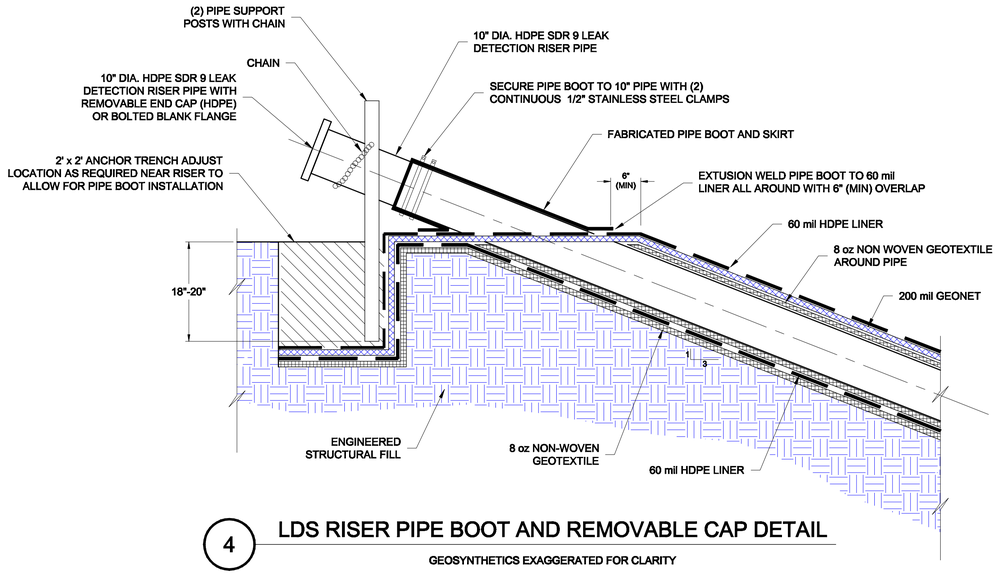

Section G

VERTICAL SCALE EXAGGERATED 5X




Section H

VERTICAL SCALE EXAGGERATED 5X




4 LDS RISER PIPE BOOT AND REMOVABLE CAP DETAIL

GEOSYNTHETICS EXAGGERATED FOR CLARITY

## NOTES:

1. 10" LEAK DETECTION RISER PIPE WILL BE PERFORATED WITHIN SUMP. PERFORATIONS WILL BE 1/4" DIAMETER HOLES AT 6" SPACING INTERVALS. PERFORATIONS WILL BE AT 120° AROUND THE CIRCUMFERENCE OF THE LEAK DETECTION SYSTEM RISER PIPE REFERENCE DETAIL 3 SHEET 8.
2. ANCHOR TRENCH WILL BE INSTALLED PER THE DRAWINGS AND AS RECOMMENDED BY THE MANUFACTURER.
3. THE CONTRACTOR SHALL REFER TO THE TECHNICAL SPECIFICATIONS FOR THE SALADO DRAW WATER RECYCLING POND CONSTRUCTION IN ADDITION TO THE DRAWINGS FOR GEOSYNTHETICS SPECIFICATIONS.
4. GEOSYNTHETICS HAVE BEEN EXAGGERATED FOR CLARITY.

JASON A. VICKERY NEW MEXICO 17697 PROFESSIONAL ENGINEER

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

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



Tetra Tech Inc.
Texas Registered Engineering Firm F-3924
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.
0 1"
IF NOT ONE (1) INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

SCALES:
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: NA

# SUMP CROSS-SECTIONS AND RISER DETAILS SALADO DRAW LEA COUNTY, NEW MEXICO

PROJECT NO. 212C-MD-00546
DRAWING NO. C-9
SHEET NO. 9 OF 16