

Brian R. Bjella
100 West Broadway, Suite 250
P.O. Box 2798
Bismarck, ND 58502-2798
701.223.6585
bbjella@crowleyfleck.com

November 29, 2017


Mr. Darrell Nitschke
Executive Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480

Dear Mr. Nitschke:

In re: Cenex Pipeline, LLC
Case No. PU-17-097
Trench Breakers for Pipeline Construction
Terracon Project No. 26175034
Our File No. 020836-000001

Enclosed for filing are 11 copies of a letter from Terracon and of a Trench Breaker Specification Drawing in the above matter. These exhibits concern utilization of the cut and cover construction method in three areas of geologic instability. Also being filed is a Certificate of Service relating to these exhibits.

Very truly yours,



Brian R. Bjella

bw
enc.
cc: Administrative Judge Timothy J. Dawson (w/enc)
Derrick Braaten (w/enc)
Zachary Pelham (w/enc)
Kevin Pranis (w/enc)

**STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

**Cenex Pipeline, LLC
10" Refined Fuels Pipeline – Williams, Mountrail, Ward
Siting Application**

PU-17-097

CERTIFICATE OF SERVICE

I hereby certify that on November 29, 2017, the following document:

1. Letter from Terracon with attached Trench Breaker Specification Drawing

was served via U.S. mail and e-mail upon the following:

Timothy J. Dawson
Administrative Law Judge
Office of Administrative Hearings
2911 North 4th Street, Suite 303
Bismarck, ND 58503
tjdawson@nd.gov

Derrick Braaten
Baumstark Braaten Law Partners
109 North 4th St., Suite 100
Bismarck, ND 58501-4003
derrick@baumstarkbraaten.com

Zachary Pelham
Special Assistant Attorney General
PO Box 400
Bismarck, ND 58502-0400
On behalf of the PSC
zep@pearce-durick.com

Kevin Pranis
Laborers District Council
81 E. Little Canada Road
St. Paul, MN 55117
kpranis@liunagroc.com

Dated this 29th day of November, 2017.

CROWLEY FLECK PLLP
Attorneys for Cenex Pipeline, LLC
100 West Broadway, Suite 250
P.O. Box 2798
Bismarck, North Dakota 58502
(701) 223-6586

By 
BRIAN R. BJELLA (#03549)

November 28, 2017



Mr. Robb Schwend, Engineer
Cenex Pipeline, LLC
802 US Highway 212 South
P.O. Box 909
Laurel, MT 59044

P: 406-628-5451 Office
406-740-1283 Cell
Email: Robb.Schwend@chsinc.com

Re: **Trench Breakers for Pipeline Construction**
Terracon Project No. 26175034

Dear Mr. Schwend:

We have reviewed the BMP that CHS includes with specifications to guide the construction of Trench-Breakers. Trench-Breakers are included in pipeline construction to prevent a pipeline from acting as a drain or where the pipeline installation may potentially induce the loss of backfill material or alter the natural drainage pattern.

Terracon endorses the BMP as presented; this trench breaker BMP is consistent with the current standard of practice. The Trench Breaker Specification Drawing is acceptable for use in the cut and cover construction method in the three geologically unstable areas that Terracon reviewed earlier this year.

If there is any other information you may need, please let me know at once. It is a pleasure to work with you.

Sincerely,
TERRACON

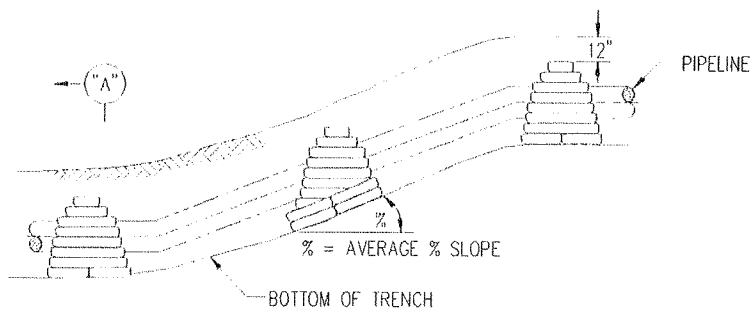
A handwritten signature in blue ink that reads "Gary W. Rome". The signature is written in a cursive style with a horizontal line underneath the name.

Gary W. Rome, P.E.
Senior Principal

Enclosure

Terracon Consultants, Inc. 2110 Overland Avenue, Suite 124 Billings, Montana 59102
P [406] 656 3072 F [406] 656 3578 terracon.com

Cenex Pipeline – Trench Breaker Specification



BREAKER SPACING

AVG. SLOPE (%)	SPACING (FT.)
<5	NONE
5-10	100-150
11-15	80-100
16-20	70-80
21-30	50-70
>30	25-50

NOTES:

1. BREAKERS SHALL BE INSTALLED AT SHARP CHANGES OF SLOPE (<5%) ALONG TRENCHLINE AND AT LOCATIONS WHERE THE NATURAL DRAINAGE PATTERNS, PROFILE OR BACKFILL MATERIAL WILL CAUSE THE TRENCH TO ACT AS A DRAIN.
2. BREAKER SHALL BE FORMED USING SAND BAGS, EARTH-FILLED SACKS OR SPRAYED FOAM BARRIERS.

