



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdziwski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-3319
Telephone 715-365-2900
FAX 715-365-8932
TTY Access via relay - 711

July 21, 2006

Enbridge Energy
Attn: Paul Meneghini
119 N 25th St E
Superior, WI 54880

06/04/2013: Case Reopened.
GIS Registry Packet Updated
Final Closure Letter - October 15, 2013

Subject: Final Case Closure By Closure Committee with Conditions Med
Enbridge Energy Field Booster Pump 66, 2800 E 21st Ave,
Superior, Wisconsin
BRRS # 02-16-338051

Dear Mr. Meneghini:

On December 20, 2005, the Northern Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On February 9, 2006, you were notified that the Closure Committee had granted conditional closure to this case.

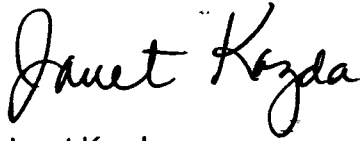
On July 14, 2006, the Department received correspondence indicating that you have complied with the requirements of closure. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

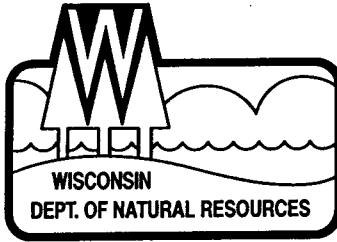
Sincerely,
NORTHERN REGION

A handwritten signature in black ink that reads "Janet Kazda". The signature is written in a cursive, flowing style.

Janet Kazda
Remediation and Redevelopment Program

cc: File
Jim Hosch, Superior

Barry Power
Natural Resources Engineering Co
69 N 28th St, Suite 27
Superior, WI 54880



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdzialski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

February 9, 2006

Mr. Paul Meneghini
Enbridge Pipelines LLC
119 N 25th St East
Superior, WI 54880

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure
Superior Terminal Field Booster Pump 56, 2800 E 21st Ave, Superior, WI
WDNR BRRTS Activity # 02-16-338051

Dear Mr. Meneghini:

On December 20, 2005, the Northern Region Closure Committee reviewed your request for closure of the case described above. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the crude oil contamination appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

1. The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources.
2. The following items were missing from the GIS Registry packet: a. A County Parcel ID# for the contaminated parcel; b. A groundwater flow direction/monitoring well location map. Please submit these items to me at the above address.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site.

If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,
NORTHERN REGION

A handwritten signature in cursive script that reads "Janet Kazda".

Janet Kazda
Remediation and Redevelopment Program

cc: File

Barry Power
NREC
69 N 28th St
Superior, WI 54880

DEED

409027

THIS INDENTURE, MADE BY INTERSTATE OIL PIPE LINE COMPANY

a Delaware corporation, hereby quitclaims to the LAKEHEAD PIPE LINE COMPANY, INC., a Delaware corporation duly authorized to do business in the State of Wisconsin, Grantee, for the sum of One Dollar (\$1.00) and other good and valuable considerations, the receipt of which is hereby acknowledged, the following described real estate situated in Douglas County, State of Wisconsin, to-wit:

A parcel of land in the City of Superior, contained in the plat of Southwestern Division, in the Townsite of Superior, particularly described as follows:

Commencing at the center of Section Thirty-six (36) in Township Forty-nine (49) North of Range Fourteen (14) West; thence westerly thirty-three (33.0) feet on the East-West centerline of Section Thirty-six (36) which is the point of beginning; thence North a distance of One Thousand One Hundred Fifty-nine and 35/100 (1159.35) feet; thence Southwesterly at an angle of Forty-eight degrees Forty-six minutes (48°46') from South to West a distance of One Thousand Seven Hundred Sixty and 55/100 (1760.55) feet; thence Easterly at an angle of Eighty-nine degrees Forty-seven and one-half minutes (89°47.5') from North to East a distance of One Thousand Three Hundred Twenty and 61/100 (1320.61) feet to the point of beginning.

- All of Block 13
subject to the easement granted the
Northern Pacific Railroad Co. for a right
of way for its railroad on Newton Ave.
- All of Block 14
Southeast 1/4 Block 15
Northeast 1/4 Block 16
West 1/4 Block 17
Southwest 1/4 Block 18
North 1/4 Block 19
Southeast 1/4 Block 20
North 1/4 Block 21
Southwest 1/4 Block 22
Southeast 1/4 Block 23
All of Block 24
All of Block 25
All of Block 26
All of Block 27
All of Block 28
All of Block 29
All of Block 30
All of Block 31
All of Block 32
All of Block 33
All of Block 34
All of Block 35
All of Block 36
All of Block 37
All of Block 38
All of Block 39
All of Block 40
All of Block 41
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All of Block 83
All of Block 84
All of Block 85
All of Block 86
All of Block 87
All of Block 88
All of Block 89
All of Block 90
All of Block 91
All of Block 92
All of Block 93
All of Block 94
All of Block 95
All of Block 96
All of Block 97
All of Block 98
All of Block 99
All of Block 100

That part lying East of the east line of Wisconsin Central Railway Company's right of way of

East part lying East of the East line of Wisconsin Central Railway Company's right of way of Block 28 all on West Thirty-first Street

Northwest $\frac{1}{4}$ subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave. Block 13

South $\frac{1}{4}$ subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave. Block 13

Northeast $\frac{1}{4}$ except r/w Fr. Block 13
All, except r/w Fr. Block 14

All of Block 15

North $\frac{1}{4}$ Block 16

South $\frac{1}{4}$ Block 16

All of Block 17

Southeast $\frac{1}{4}$ Block 18

North $\frac{1}{4}$ Block 18

Southwest $\frac{1}{4}$ Block 18

All of Block 19

All of Block 20

All of Block 21

All of Block 22

That part of the South $\frac{1}{4}$ lying East of the East line of Wisconsin Central Railway Company's right of way of Block 23

North $\frac{1}{4}$ Block 23

That part lying East of the East line of Wisconsin Central Railway Company's right of way of Block 24

Northeast $\frac{1}{4}$, E'ly. of E'ly. line of W. C. Ry. r/w Block 25

all on West Thirty-third street

South $\frac{1}{4}$ subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave. Block 13

All of subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave. Block 14

All of Block 15

All of Block 16

All of Block 17

Southwest $\frac{1}{4}$ Block 15

Northeast $\frac{1}{4}$ Block 18

South $\frac{1}{4}$ Block 18

East $\frac{1}{4}$ Block 19

West $\frac{1}{4}$ Block 19

That part of the North $\frac{1}{4}$ lying East of the East line of Wisconsin Central Railway Company's right of way of Block 20

That part of the Southwest $\frac{1}{4}$ lying East of the East line of Wisconsin Central Railway Company's right of way of Block 20

Southeast 1/4	Block 20
That part lying East of the East line of Wisconsin Central Railway Company's right of way of	Block 21
all on West Thirty-fifth Street	
All of	Block 13
subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave.	
All of	Block 14
North 1/4	Block 15
West 1/4 of the Southwest 1/4	Block 15
East 1/4 of the Southwest 1/4	Block 15
All of	Block 16
Southeast 1/4	Block 17
North 1/4	Block 17
Southwest 1/4 except r/w	Block 17
That part lying East of the East line of Wisconsin Central Railway Company's right of way of	Block 18
That part lying East of the East line of Wisconsin Central Railway Company's right of way of	Block 19
all on West Thirty-seventh Street	
All of	Block 13
subject to the easement granted the Northern Pacific Railroad Co. for a right of way for its railroad on Newton Ave.	
That part of the West 1/4 lying East of the East line of Wisconsin Central Railway Company's right of way of	Block 14
That part lying East of the East line of Wisconsin Central Railway Company's right of way of	Block 15
all on West Thirty-ninth Street	
That part lying East of the East line of Wisconsin Central Railway Company's right of way, subject to the easement granted the Northern Pacific Railroad Company for a right of way for its railroad on Newton Avenue of	Block 17
on West Forty-first Street	
All of	Block 3
All of	Block 4
all on East Nineteenth Street	
All of	Block 3
Northeast 1/4	Block 4
Northwest 1/4	Block 4
Southeast 1/4	Block 4
all on East Twenty-first Street	

All of Fr. Block 3
on East Twenty-third Street

All of Fr. Block 3
on East Twenty-fourth Street

all the foregoing in the Townsite of Superior;

Lots Thirty-three (33), Thirty-five (35), Thirty-seven (37),
Thirty-nine (39), Forty-one (41), Forty-three (43), Forty-
five (45) and Forty-Seven (47) on East Twenty-second Street

Lots Thirty-four (34), Thirty-six (36), Thirty-Eight (38),
Forty (40), Forty-two (42), Forty-four (44), Forty-six (46),
Forty-eight (48), Fifty (50), Fifty-two (52), Fifty-four (54),
Fifty-six (56), Fifty-eight (58), Sixty (60), Sixty-two (62)
and Sixty-Four (64) on East Twenty-third Street

All in Sub-division of Block Four (4), East Twenty-third
Street

according to the recorded plat or plats thereof on file and
in the office of the Register of Deeds in and for Douglas
County, Wisconsin.

The following described real estate situated in Douglas
County, Wisconsin:

South Half (S $\frac{1}{2}$) Section Thirty-six (36) Township Forty-nine
(49) North of Range Fourteen (14) West, except the following
described tracts of land:

- (a) Government Lot One (1)
- (b) A strip of land Four Hundred Feet (400') wide
through the Northwest Quarter Southwest Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$)
lying Southeasterly of and adjacent to the present
Northern Pacific Railway Company's right of way
- (c) A triangular piece lying Northwesterly of Northern
Pacific Railway Company's right of way, S5D96 and
109E526
- (d) A strip of land Three Hundred Feet (300') in width
North and South from the South line of said section and
further extending from the West line to the East line
of said Southwest Quarter (SW $\frac{1}{4}$)
- (e) A tract of land described as follows:

Beginning at the Southwest corner of the Southeast
Quarter (SE $\frac{1}{4}$) of Section Thirty-six (36) Township
Forty-nine (49) North of Range Fourteen (14) West,
and proceeding North along the Quarter Section line
a distance of One Thousand Four Hundred Eighty-two
and 0 $\frac{1}{100}$ (1482.04) feet, thence at an angle of

Ninety Degrees Three and one-half minutes (90°33')
to the right and proceeding for a distance of One
Thousand Six Hundred Sixty (1660) feet, thence
turning at an angle of Forty-six Degrees Ten Minutes
Forty Seconds (46°10'40") to the right, thence pro-
ceeding to the northerly bank of the Nemadji River
as now situated, thence proceeding in a westerly
direction along the bank of the Nemadji River and
following said bank to the South section line of
said southeast Quarter (SE $\frac{1}{4}$), thence proceeding
westerly along the South section line to the point
of beginning, said tract of land containing approx-
imately Fifty-six and 7/10 (56.7) acres more or less

WITNESS the corporate name and seal of said Grantor hereunto affixed by authority of its board of Directors on this _____ day of _____, 1911.

IN WITNESS WHEREOF I have hereunto set my hand and official seal.

by: *[Signature]*
Notary Public,
State of Louisiana

IN THE PRESENCE OF:

[Signature]
[Signature]
Frank R. Clark, Jr.

[Signature]
P. H. Hunter

STATE OF Louisiana }
COUNTY of _____ } ss:

On this the _____ day of _____, 1911, before me, the undersigned Notary Public in and for _____ Parish, _____ Precinct, State of _____, personally appeared _____ and _____, who respectively acknowledged themselves to be officers, to wit: _____ and _____ of INDIAN OIL PIPE LINE COMPANY, a corporation, the Grantor in the foregoing instrument, and that said officers being authorized to do so, executed the foregoing instrument for the purposes therein contained by affixing the seal of said corporation by the selves or each of them and affixing the corporate seal, with the authority of the board of directors of said corporation.

IN WITNESS WHEREOF I have hereunto set my hand and official seal.

[Signature]
Notary Public,
State of _____
My Commission Expires _____

409027

OFFICE OF REGISTER OF DEEDS
DODGE COUNTY, WISCONSIN
RECORDED IN BOOK 258
PAGE 238
DATE JAN 23 1902
BY *Deeds*
Deeds
Deputy

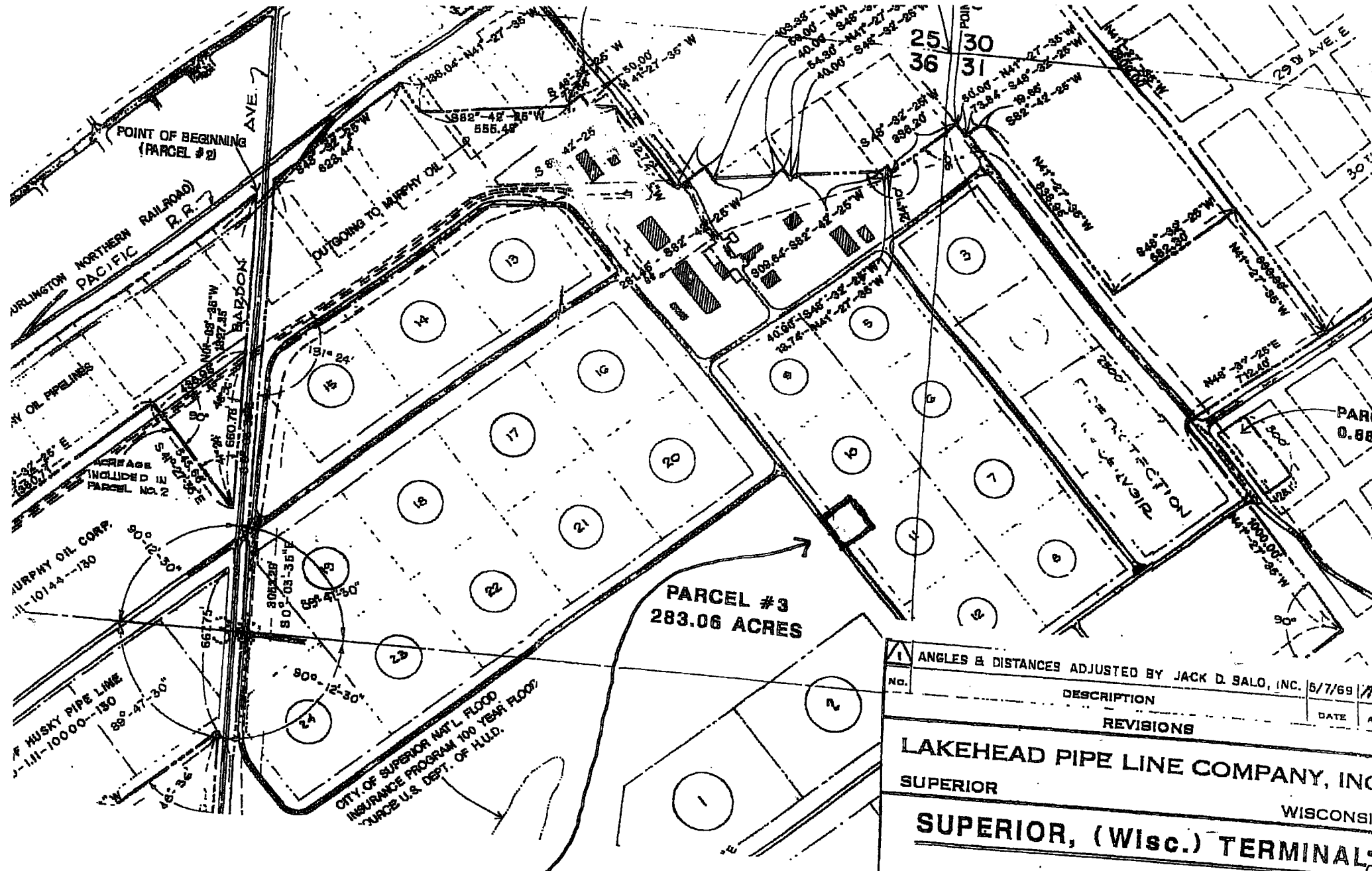
QUIT - BLACK NEED

INTERESTS OIL AND GAS RIGHTS

-to-

LAURENCE LEE LEE COMPANY, INC.

Handwritten notes:
2/24
See schedule 12/1/10
to be set aside



PARCEL #3
283.06 ACRES

*Site Location
(Booster Pump 56)
(Parcel 3B)*

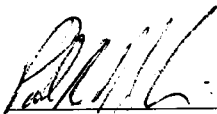
1 ANGLES & DISTANCES ADJUSTED BY JACK D. SALO, INC. 6/7/69		DATE	6/7/69
No.	DESCRIPTION		DATE
REVISIONS			
LAKEHEAD PIPE LINE COMPANY, INC.			WISCONSIN
SUPERIOR			
SUPERIOR, (Wisc.) TERMINAL			
STATION AREA			
DRAWN	H. R. O.	SCALE	1" = 400'
CHECKED		APPROVED	DATE 2/2/61
PARCELS 1-6 1891 UPDATE			DATE 11/10/01

Enbridge Pipelines (Lakehead), L.L.C
119 N 25th Street East
Superior, Wisconsin 54880

I, _____, believe that the contaminated area located at the Enbridge Superior Terminal is located within the legal description described below:

Commencing at the Northeast corner of Section 36. Thence southerly along the east boundary of Section 36 to the centerline of vacated West 18th Street, thence southeasterly along the centerline of vacated West 18th Street to the north boundary of vacated 28th Avenue East, thence southwesterly along the north boundary of vacated 28th Avenue East to its junction with the westerly boundary of vacated West 18th Street being the point of beginning; thence S 41 degrees 27 minutes 3 seconds E along the westerly boundary of vacated West 18th Street a distance of 2500 feet to a point on the north line of 33rd Avenue East; thence S 48 degrees 32 minutes 25 seconds W along the north line of 33rd Avenue East a distance of 2206.96 feet to a point on the easterly line of Section 36; thence S 0 degrees 18 minutes 25 seconds W along the easterly line of Section 36 a distance of 670.62 feet more or less to the north boundary of the Nemadji River; thence N 69 degrees 38 minutes 05 seconds W along the north boundary of the Nemadji River a distance of 652.53 feet to a point thence N 51 degrees 44 minutes 40 seconds W along the north boundary of the Nemadji River a distance of 127.93 feet to a point ; thence N 68 degrees 02 minutes 45 seconds W along the north boundary of the Nemadji River a distance of 160.75 feet to a point; thence N43o49'20"W a distance of 188.00 feet to a point; thence S 89 degrees 59 minutes 55 seconds W a distance of 1627.00 feet to a point on the east boundary of Bardon Avenue; thence N 0 degrees 03 minutes 35 seconds W along the east boundary of Bardon Avenue a distance of 2386.72 feet to a point on the south line of 26th Avenue East; thence N 48 degrees 32 minutes 2 seconds E for a distance of 1350 feet to a point; thence, South 41 degrees 0 minutes 0 seconds East for a distance of 1,820 feet to the point of beginning for a tract of land known as "Parcel 3B"; thence, North 41 degrees 0 minutes 0 seconds East for a distance of 160 feet to a point; thence, South 41 degrees 0 minutes 0 seconds East for a distance of 225 feet to a point; thence, South 41 degrees 0 minutes 0 seconds West for a distance of 160 feet to a point; thence, North 41 degrees 0 minutes 0 seconds West for a distance of 225 feet to the point of beginning of Parcel 3B; Parcel 3B containing 0.826 acres, more or less; all of Parcel 3B being within the North one-half (N 1/2) of Section 36, Township 49 North, Range 13 West, Douglas County, State of Wisconsin.

Geographic position coordinates: 362710 692342

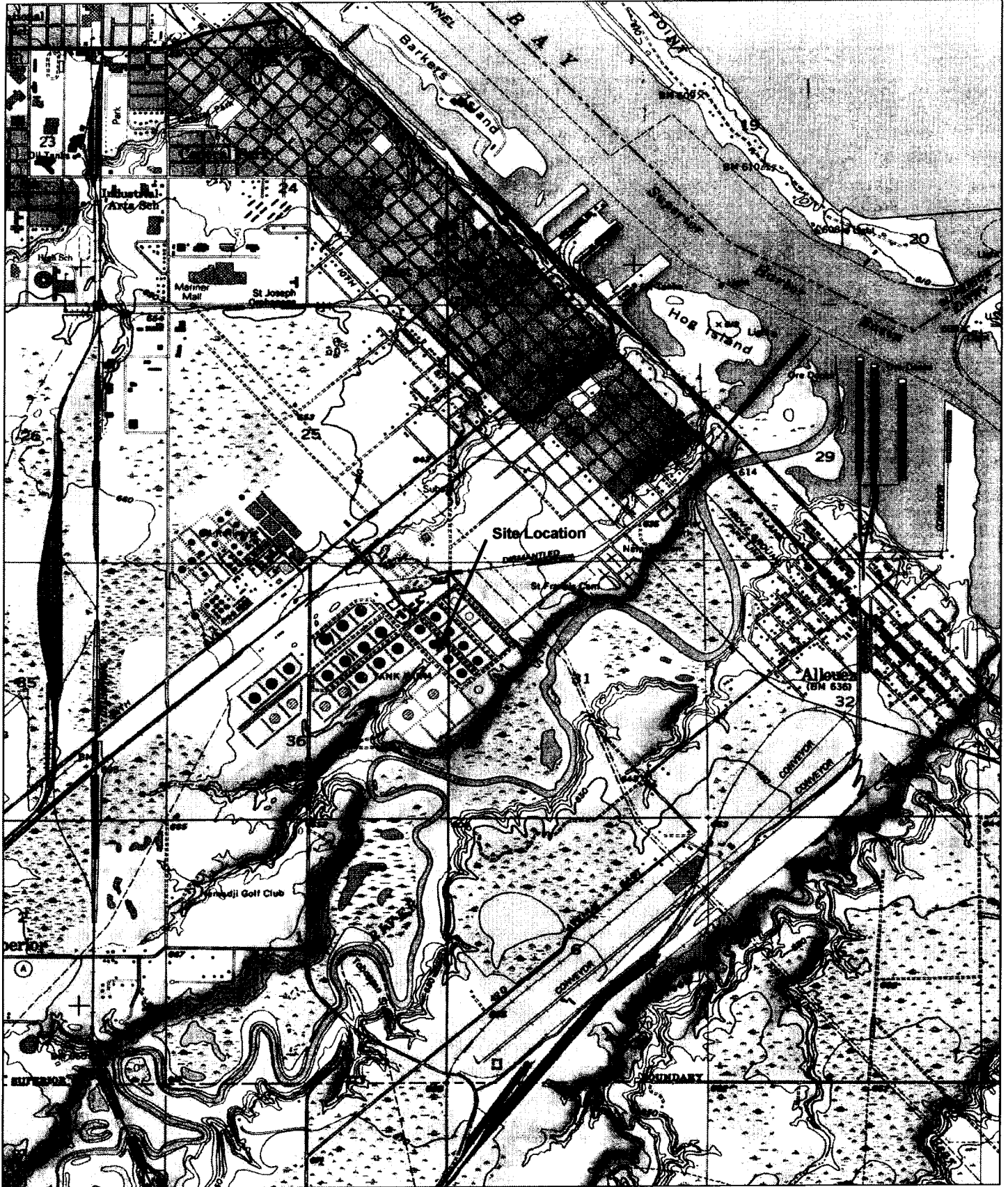


Signature

Paul R. Menghini / Enbridge

10/28/05

Date





TN
MIN
10%

0 1000 FEET 0 500 1000 METERS

<p>Site Location Map - Field Booster Pump 56 Enbridge Pipelines (Lakehead), L.L.C. - Superior Terminal</p>	<p>Natural Resources Engineering Company 69 N 28th Street Suite 27, Superior, WI 54880</p>	<p>Natural Resources Engineering Co. 715 W. 50th St. Superior, WI 54880</p>	<p>Feb-04 Figure 1</p>
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Legend

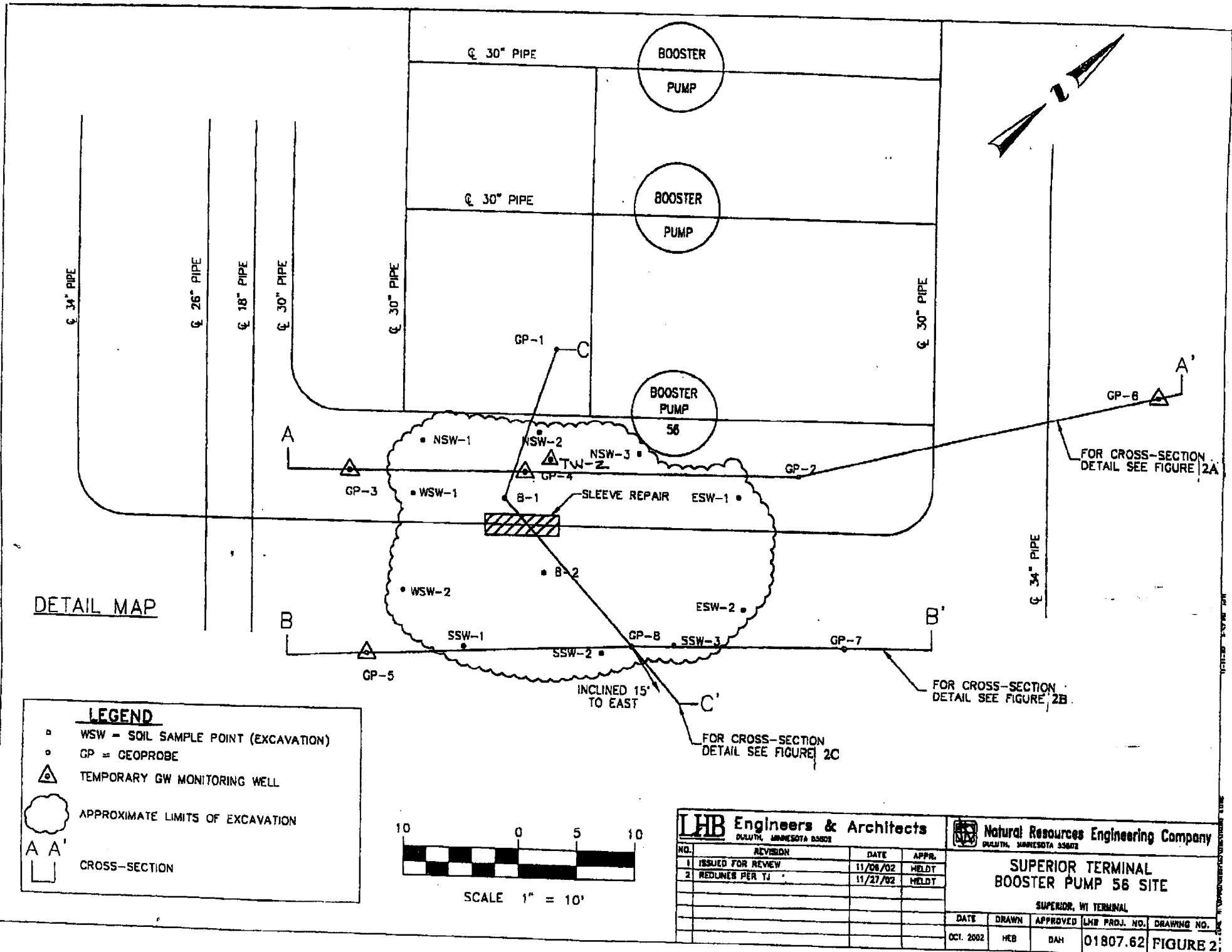
-  Groundwater Elevation (NGVD)
-  Piezometric Contour

ENBRIDGE™

Enbridge Pipelines (Lakehead), L.L.C.
Figure 5: Groundwater Flow Regime (July 2005)



DATE ISSUED: 10/7/2005	 Natural Resources Engineering Co.
DATE REVISED:	
SCALE: 1:900	
DRAWN BY: PRS	
FILE: Figure 5 - Groundwater Flow BP56.pdf	715-395-5630



DETAIL MAP

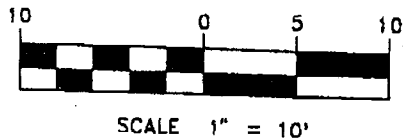
FOR CROSS-SECTION
DETAIL SEE FIGURE 2A

FOR CROSS-SECTION
DETAIL SEE FIGURE 2B

FOR CROSS-SECTION
DETAIL SEE FIGURE 2C

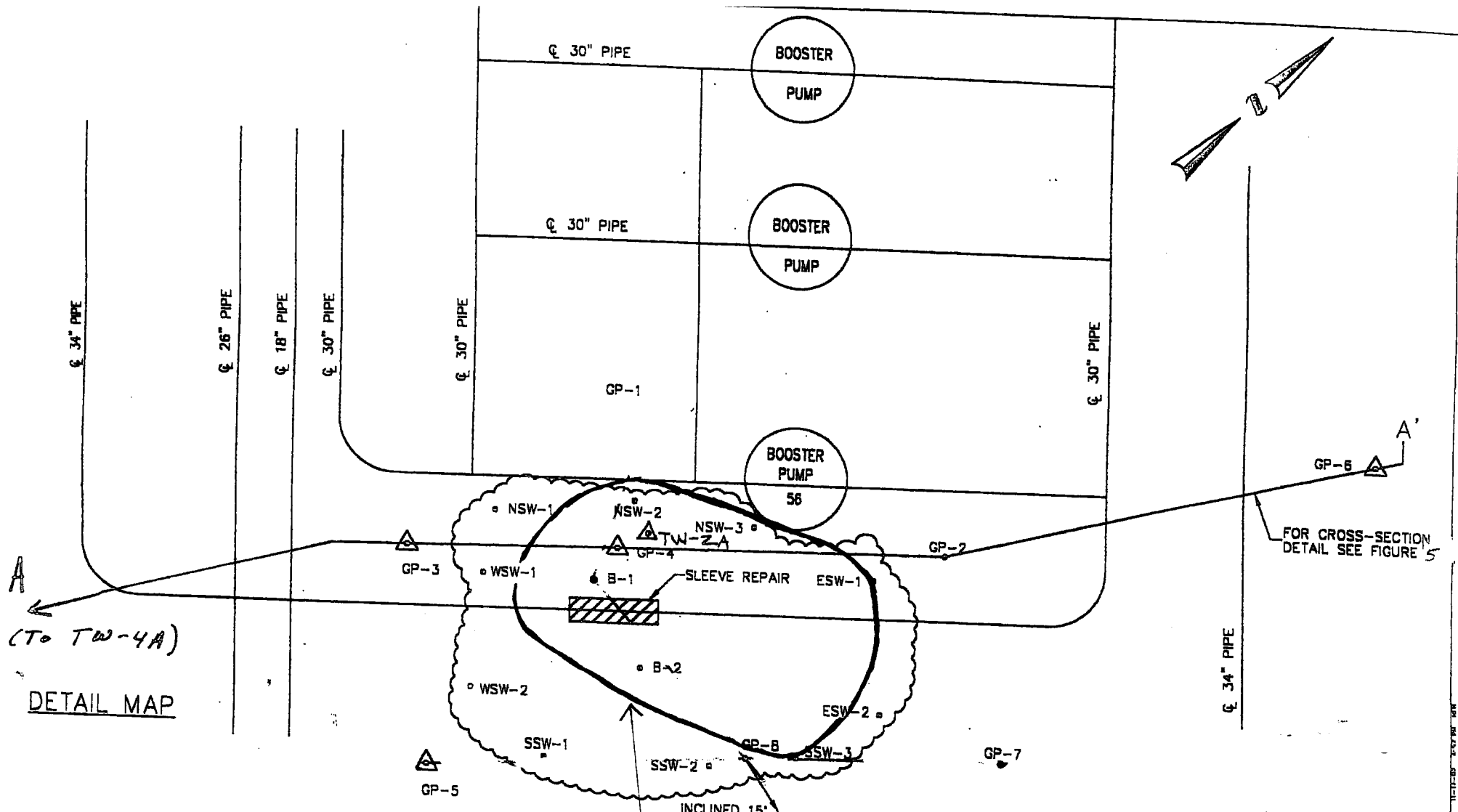
LEGEND

- ◻ WSW - SOIL SAMPLE POINT (EXCAVATION)
- ◻ GP = GEOPROBE
- △ TEMPORARY GW MONITORING WELL
- APPROXIMATE LIMITS OF EXCAVATION
- A A' CROSS-SECTION



LHB Engineers & Architects <small>DULUTH, MINNESOTA 55802</small>			
NO.	REVISION	DATE	APPR.
1	ISSUED FOR REVIEW	11/28/02	HELDY
2	REDLINES PER TJ	11/27/02	HELDY

Natural Resources Engineering Company <small>DULUTH, MINNESOTA 55802</small>				
SUPERIOR TERMINAL BOOSTER PUMP 56 SITE				
SUPERIOR, WI TERMINAL				
DATE	DRAWN	APPROVED	LHB PROJ. NO.	DRAWING NO.
OCT. 2002	HEB	DAH	01807.62	FIGURE 2

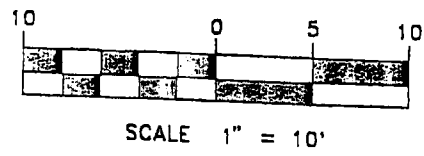


A
(To TW-4A)
DETAIL MAP

FOR CROSS-SECTION
DETAIL SEE FIGURE 5

LEGEND

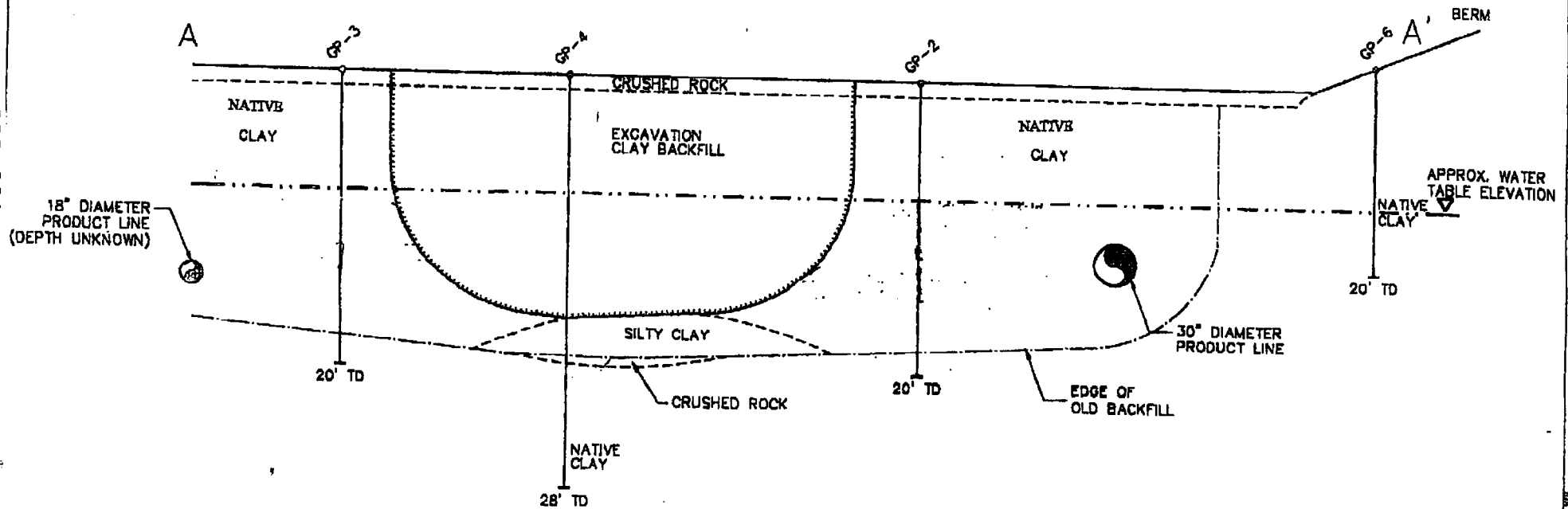
- WSW = SOIL SAMPLE POINT (EXCAVATION)
- GP = GEOPROBE
- △ TEMPORARY GW MONITORING WELL
- ☁ APPROXIMATE LIMITS OF EXCAVATION
- A A' CROSS-SECTION



Approximate Lateral Extent
of NR 720 Exceeding Soil

INCLINED 15°
TO EAST

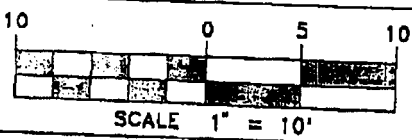
LHB Engineers & Architects DULUTH, MINNESOTA 55802			Natural Resources Engineering Company DULUTH, MINNESOTA 55802		
NO.	REVISION	DATE	APPR.		
1	ISSUED FOR REVIEW	11/08/02	HELOT	SUPERIOR TERMINAL BOOSTER PUMP 56 SITE	
2	REDLINES PER TJ	11/27/02	HELOT		
			SUPERIOR, WI TERMINAL		
	DATE	DRAWN	APPROVED	LHB PROJ. NO.	DRAWING NO.
	OCT. 2002	HEB	DAH	01807.62	FIGURE 3



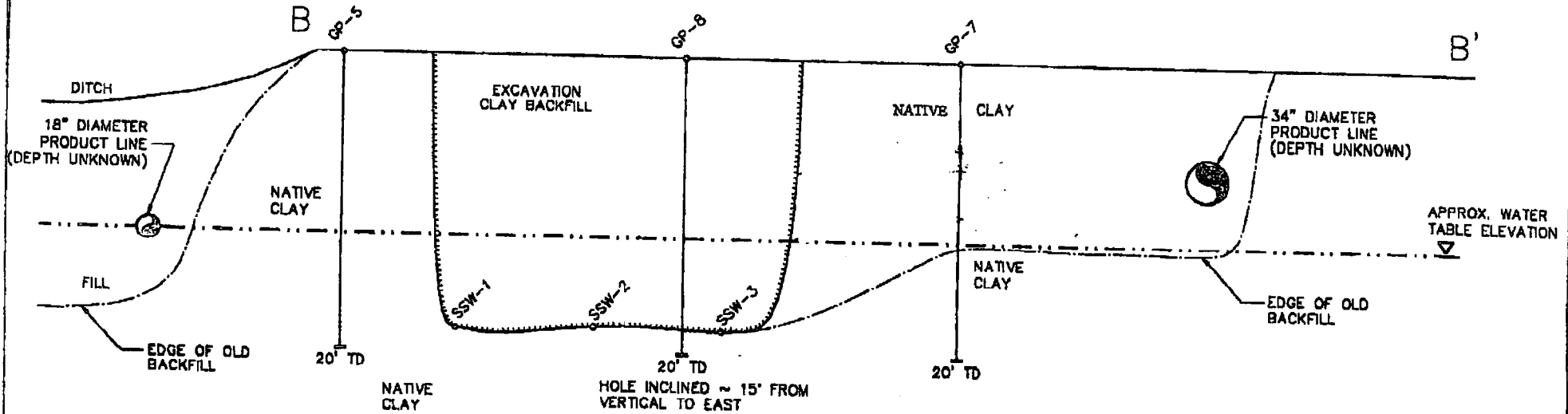
SECTION A-A'

LEGEND

- WSW - SOIL SAMPLE POINT (EXCAVATION)
- GP = GEOPROBE
- △ TEMPORARY GW MONITORING WELL
- - - APPROXIMATE LIMITS OF EXCAVATION
- EDGE OF OLD BACKFILL



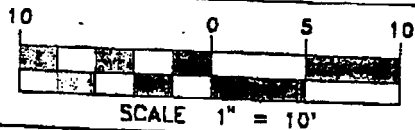
LHB Engineers & Architects <small>DULUTH, MINNESOTA 55802</small>			Natural Resources Engineering Company <small>DULUTH, MINNESOTA 55802</small>		
NO.	REVISION	DATE	APPR.	CROSS SECTION A - A' SUPERIOR TERMINAL BOOSTER PUMP 56 SUPERIOR, WI TERMINAL	
1	ISSUED FOR REVIEW	11/13/02	HELDY		
2	REDLINES PER TJ	11/27/02	HELDY	DATE	DRAWN
				OCT. 2002	HEB
				APPROVED	DAH
				LHB PROJ. NO.	01807.62
				DRAWING NO.	FIGURE 2A



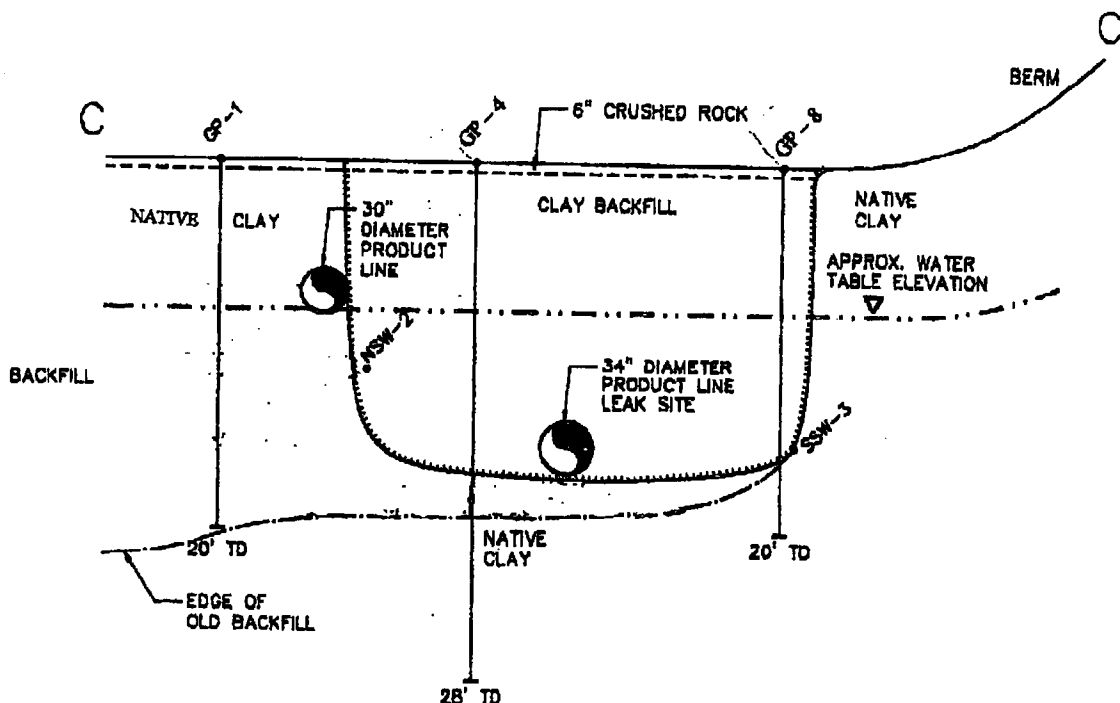
SECTION B-B'

LEGEND

- WSW = SOIL SAMPLE POINT (EXCAVATION)
- GP = GEOPROBE
- △ TEMPORARY GW MONITORING WELL
- APPROXIMATE LIMITS OF EXCAVATION
- EDGE OF OLD BACKFILL



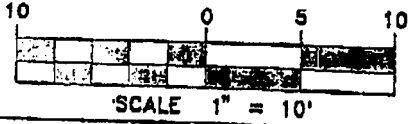
LHB Engineers & Architects <small>DULUTH, MINNESOTA 55802</small>				Natural Resources Engineering Company <small>DULUTH, MINNESOTA 55802</small>				
NO.	REVISION	DATE	APPR.	CROSS SECTION B - B' SUPERIOR TERMINAL BOOSTER PUMP 56 SITE SUPERIOR, WI TERMINAL				
1	ISSUED FOR REVIEW	11/15/02	HELD.T					
2	REDUNES PER TJ	11/27/02	HELD.T	DATE	DRAWN	APPROVED	LHS PROJ. NO.	DRAWING NO.
				OCT. 2002	HEB	DAH	01807.62	FIGURE 2B



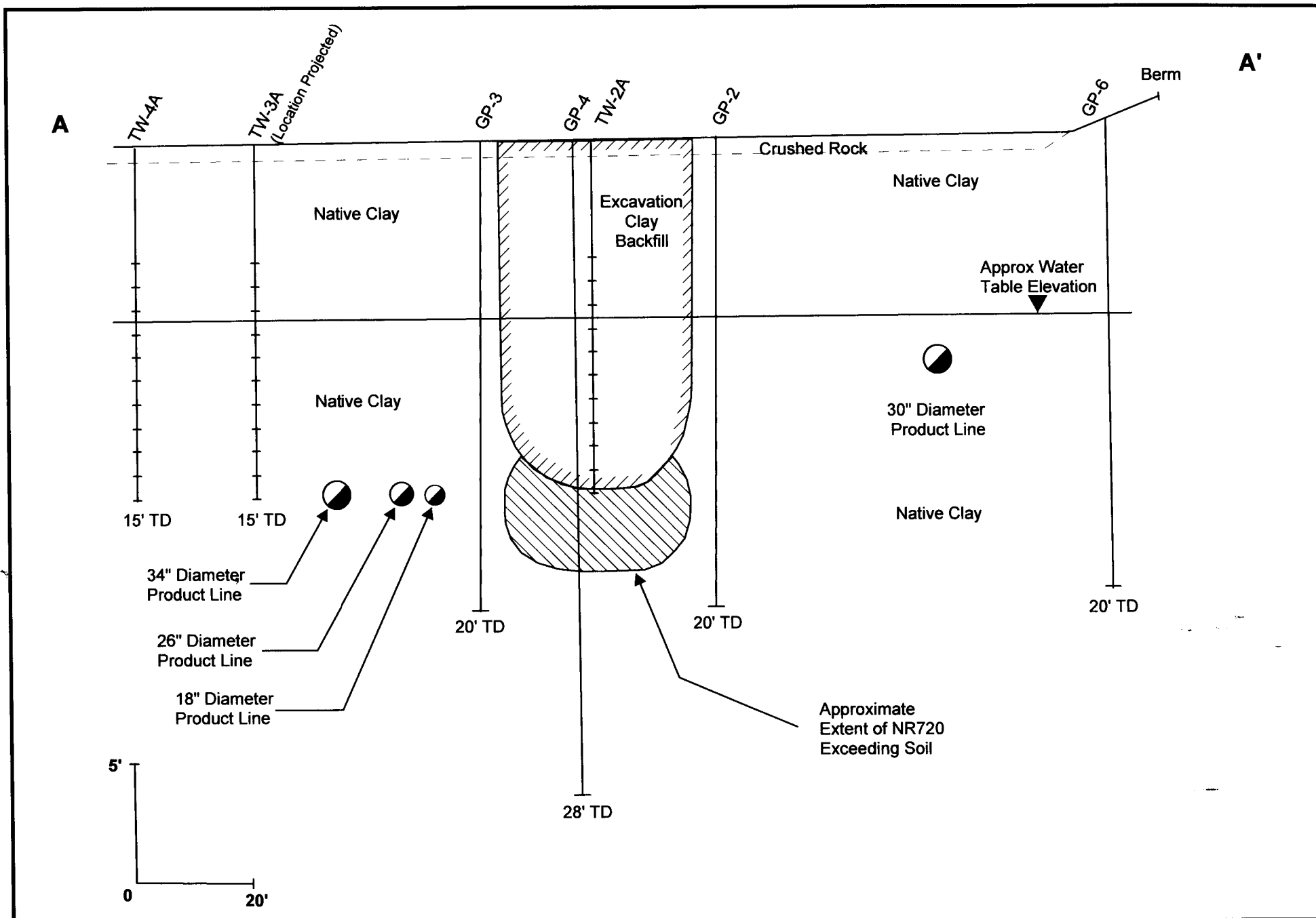
SECTION C-C'

LEGEND

- WSW = SOIL SAMPLE POINT (EXCAVATION)
- GP = GEOPROBE
- △ TEMPORARY GW MONITORING WELL
- APPROXIMATE LIMITS OF EXCAVATION
- EDGE OF OLD BACKFILL



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NO.	REVISION	DATE	APPR.	CROSS SECTION C - C' SUPERIOR TERMINAL BOOSTER PUMP 56 SITE <small>SUPERVISOR IN TERMINAL</small>				
1	ISSUED FOR REVIEW	11/18/02	HELOT					
2	REQUIRES PER TJ	11/27/02	HELOT	DATE	DRAWN	APPROVED	LHB PROJ. NO.	DRAWING NO.
				OCT 2002	HEB	DAM	01807.62	FIGURE 2C

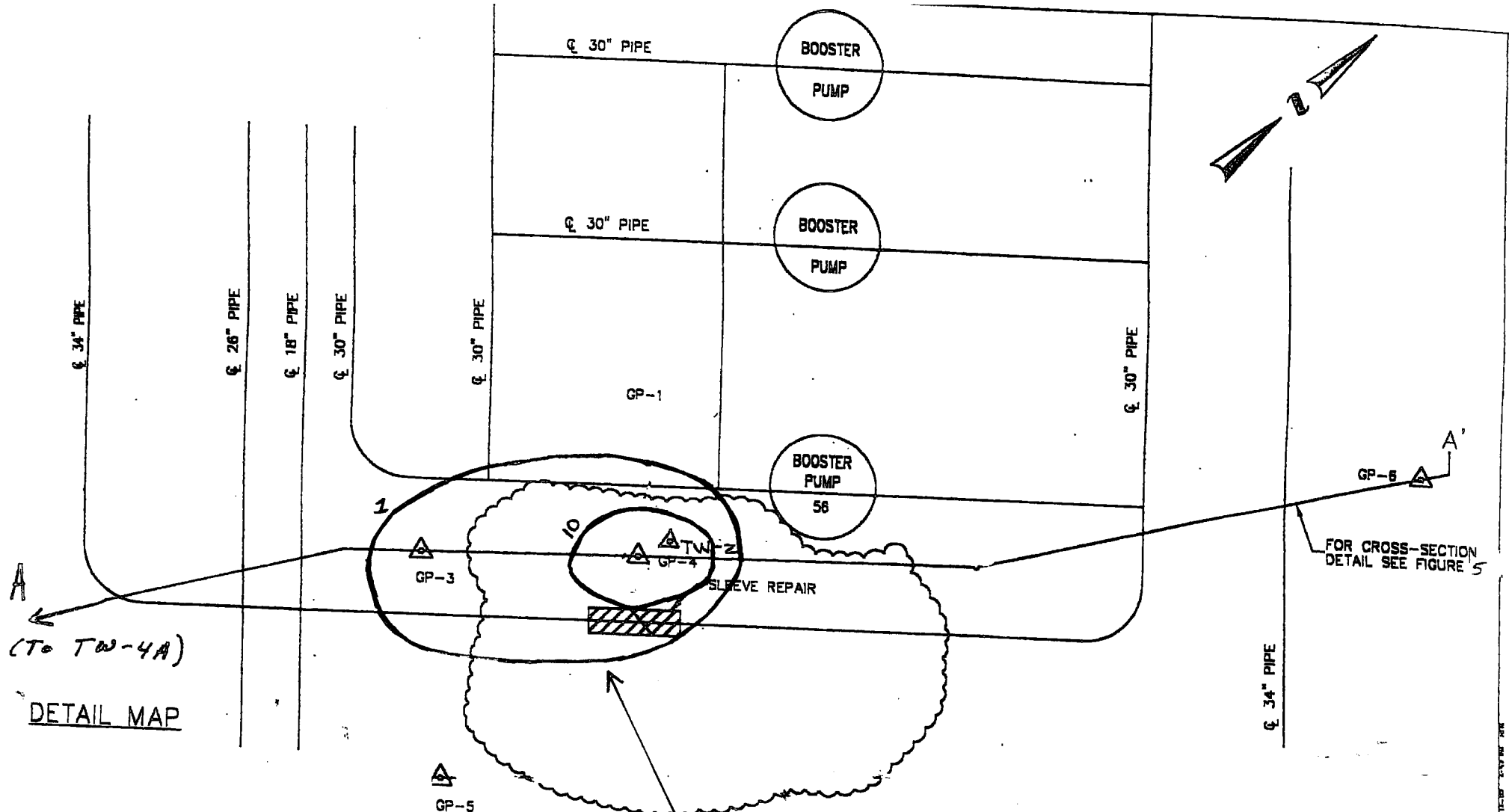


Enbridge Pipelines (Lakehead), L.L.C.

Figure 6: Cross-Section A - A'
Superior Terminal - Booster Pump 56

ENBRIDGE™

DATE ISSUED: 10/13/2005	
DATE REVISED:	
SCALE: As Shown	
DRAWN BY: PRS	
FILE: Figure 6 Cross-Section BP56.pdf	



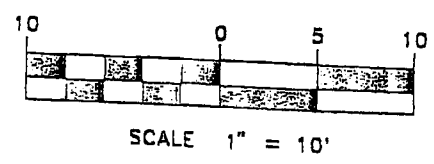
A
(To TW-4A)
DETAIL MAP

FOR CROSS-SECTION
DETAIL SEE FIGURE 5

LEGEND

- TEMPORARY GW MONITORING WELL
- APPROXIMATE LIMITS OF EXCAVATION
- CROSS-SECTION

Dissolved Phase Benzene
Isoconcentration Contours ($\mu\text{g/l}$)



LHB Engineers & Architects <small>DULUTH, MINNESOTA 55802</small>				Natural Resources Engineering Company <small>DULUTH, MINNESOTA 55802</small>	
NO.	REVISION	DATE	APPR.	SUPERIOR TERMINAL BOOSTER PUMP 56 SITE SUPERIOR, WI TERMINAL	
1	ISSUED FOR REVIEW	11/08/02	HJDT		
2	RECLINER PER TJ	11/27/02	HJDT	DATE	DRAWN
				OCT. 2002	HEB
				APPROVED	DAH
				LHB PROJ. NO.	01807.62
				DRAWING NO.	FIGURE 6

Table 2: Soil Sampling Results - Excavation and Push Probe Investigation
Enbridge Pipelines (Lakehead), L.L.C. - Superior Terminal Field Booster Pump 56

Location	Date	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Methyl-tert-butyl-ether (ug/kg)	Toluene (ug/kg)	1,3,5-Trimethylbenzene (ug/kg)	1,2,4-Trimethylbenzene (ug/kg)	Xylenes (total) (ug/kg)	DRO (mg/kg)	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo (a) anthracene (ug/kg)	Benzo (a) pyrene (ug/kg)	Benzo (b) fluoranthene (ug/kg)	Benzo (g,h,i) perylene (ug/kg)	Benzo (k) fluoranthene (ug/kg)	Chrysene (ug/kg)	Dibenzo (a,h) anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Ideno (1,2,3-cd) pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)	1-methyl naphthalene (ug/kg)	2-methyl naphthalene (ug/kg)	
NR 720 Generic RCLs (ug/kg)		5.5	2,900		1,500			4,100	250																			
Industrial RCL (ug/Kg)*		1.16E+04	1.02E+08	No standard	2.04E+08	5.11E+07	5.11E+07	2.04E+08		6.00E+07	3.60E+05	3.00E+08	3.90E+03	3.90E+02	3.90E+03	3.90E+04	3.90E+04	3.90E+05	3.90E+02	4.00E+07	4.00E+07	3.90E+03	1.10E+05	3.90E+05	3.00E+07	7.00E+07	4.00E+07	
Excavation Confirmation Samples (Refer to Figure 2)																												
B-1	4-Feb-02	270	943	198	1,500	1,640	1,940	3,300	25	<33	<33	<22	26	18	20	<25	8	24	<10	72	<7	<14	<33	28	27			
NSW-2	4-Feb-02	127	105	<36	448	1,310	269	<73	<9.5	<33	<33	<22	<4	6	<6	<25	<6	<5	<10	<7	<7	<14	<33	<21	<9			
SSW-3	4-Feb-02	82	<37	<37	380	1,020	216	<74	9	<33	<33	<22	22	12	15	<25	6	22	<10	54	<7	<14	<33	<21	19			
ESW-1	4-Feb-02	451	1,210	<37	1,590	7,830	12,200	13,500	260	<33	<33	<22	<4	8	12	<25	<6	<5	<10	<7	<7	<14	<33	77	<9			
WSW-1	4-Feb-02	<38	<38	<38	245	698	104	<76	<9.2	<33	<33	<22	<4	<3	<6	<25	<6	<5	<10	<7	<7	<14	<33	<21	<9			
Push-Probe Investigation Samples (Refer to Figure 2)																												
GP-1-14'	9-Oct-02	<25	<25	<25	<25	<25	<25	<25	<5.1	<21	<16	<15	<17	<16	<14	<15	<17	<17	<14	<13	<16	<15	<22	<14	<15	<18	<15	
GP-2-8.5'	9-Oct-02	<25	41	<25	<25	50	110	89	<4.8	<20	<15	<15	<16	<15	<13	<14	<16	<16	<13	16	<15	<14	23	19	18	42	56	
GP-2-15.5'	9-Oct-02	<25	<25	<25	<25	<25	<25	<25	<5.2	<22	<17	<16	<18	<17	<15	<15	<17	<18	<15	<14	<17	<15	<23	<15	<16	<19	<16	
GP-3-14'	10-Oct-02	<25	<25	<25	<25	<25	<25	<25	<3.9	<19	<14	<14	<15	<14	<13	<13	<15	<15	<13	<12	<14	<13	<19	<13	<14	<16	<14	
GP-3-20'	10-Oct-02	<25	<25	<25	<25	<25	<25	<25	<5.1	<24	<18	<18	<20	<18	<16	<17	<19	<20	<16	<16	<18	<17	<25	<16	<18	<21	<18	
GP-4-18'	10-Oct-02	90	72	<25	74	140	290	266	79	<24	<18	22	91	70	63	43	67	98	16	200	<18	43	<25	92	180	<20	<18	
GP-4-24'	10-Oct-02	<25	<25	<25	<25	<25	<25	<25	<4.8	<25	<19	<18	<21	<19	<17	<17	<20	<21	<17	<16	<19	<17	<26	<17	<18	<21	<18	
GP-5-16'	10-Oct-02	<25	<25	<25	<25	<25	<25	<25	<4.4	<22	<17	<16	<18	<17	<15	<15	<17	<18	<15	<14	<17	<15	<23	<15	<16	<19	<16	
GP-7-15'	10-Oct-02	<25	<25	<25	<25	<25	<25	<25	380	<23	<18	<17	27	18	16	<16	20	23	<15	74	<18	<16	<24	45	58	<20	<17	
GP-8-15'	10-Oct-02	<25	<25	<25	42	<25	<25	<25	23	<23	<17	<16	<18	<17	<15	<16	<18	<18	<15	25	<17	<16	<23	<15	25	19	<16	
GP-8-19.5'	10-Oct-02	<25	<25	<25	<25	<25	<25	<25	<4.7	<24	<18	<17	<19	<18	<16	<16	<19	<19	<16	<15	<18	<16	<24	<16	<17	<20	<17	

* Industrial RCLs calculated per EPA Soil Screening Guidance Website (<http://risk.lsd.ornl.gov/epa/sa11.shtml>).

Table 2: Groundwater Elevations

Enbridge Pipelines (Lakehead), L.L.C. - Superior Terminal Field Booster Pump 56

Location	Date	Reference Elevation (Feet NGVD)	Depth to Groundwater (Feet)	Groundwater Elevation (Feet NGVD)
TW-2A	6/25/2004	100.00	5.70	94.30
	10/18/2004	100.00	6.97	93.03
	1/28/2005	100.00	5.68	94.32
	4/14/2005	100.00	5.86	94.14
	7/20/2005	100.00	3.67	96.33
TW-3A	10/18/2004	101.43	13.06	88.37
	1/28/2005	101.43	9.25	92.18
	4/14/2005	101.43	9.09	92.34
	7/20/2005	101.43	7.40	94.03
TW-4A	10/18/2004	100.57	8.04	92.53
	1/28/2005	100.57	8.67	91.90
	4/14/2005	100.57	8.04	92.53
	7/20/2005	100.57	7.17	93.40