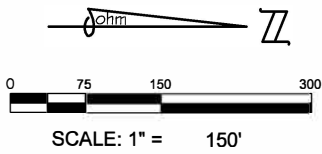


PERMANENT CULVERT AND SIDEWALK EASEMENT SKETCH

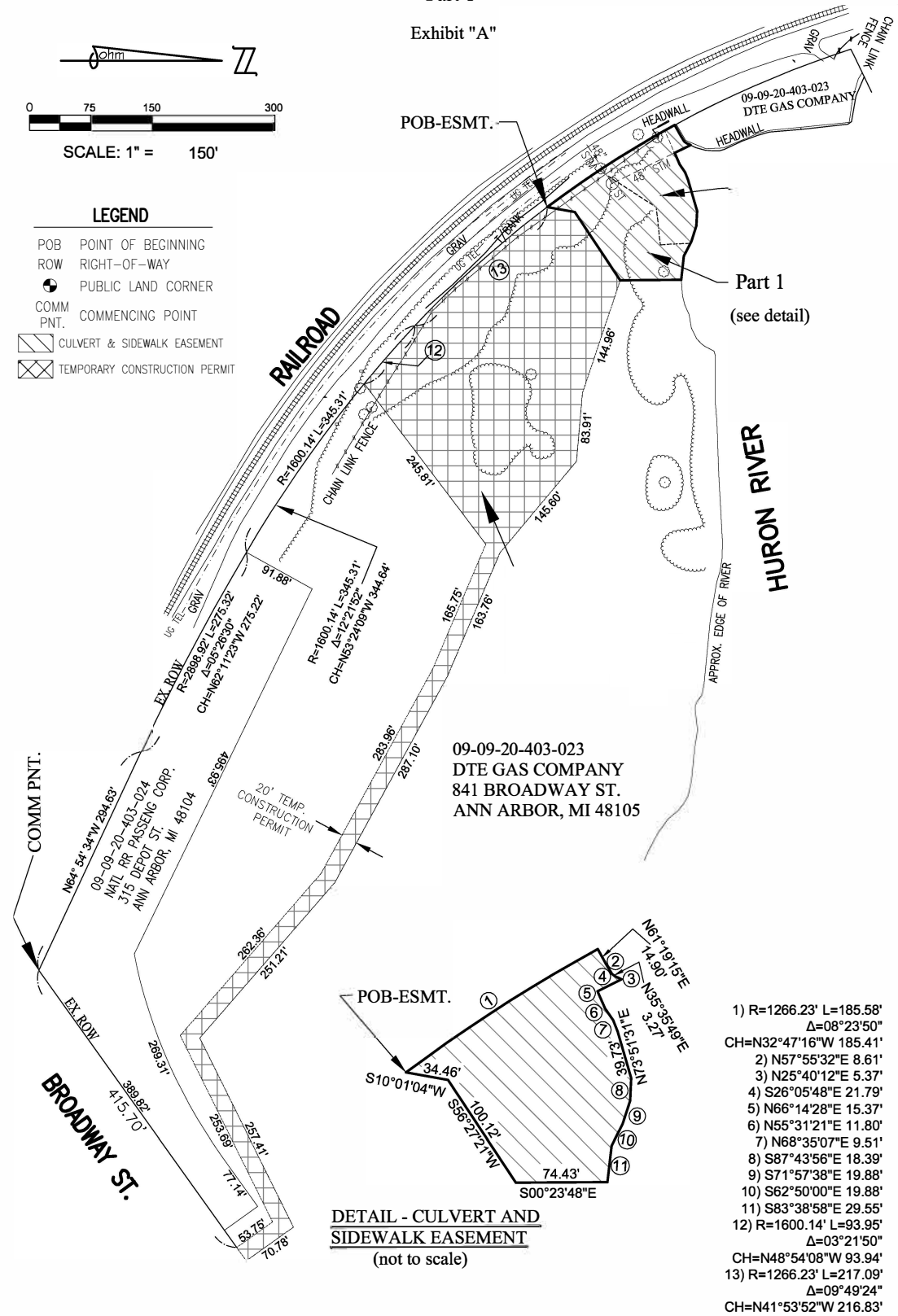
Part 1

Exhibit "A"



LEGEND

- POB POINT OF BEGINNING
- ROW RIGHT-OF-WAY
- PUBLIC LAND CORNER
- COMM COMMENCING POINT
- ▨ CULVERT & SIDEWALK EASEMENT
- ▩ TEMPORARY CONSTRUCTION PERMIT



09-09-20-403-023
 DTE GAS COMPANY
 841 BROADWAY ST.
 ANN ARBOR, MI 48105

DETAIL - CULVERT AND SIDEWALK EASEMENT
 (not to scale)

- 1) R=1266.23' L=185.58'
 $\Delta=08^{\circ}23'50''$
 CH=N32°47'16"W 185.41'
- 2) N57°55'32"E 8.61'
- 3) N25°40'12"E 5.37'
- 4) S26°05'48"E 21.79'
- 5) N66°14'28"E 15.37'
- 6) N55°31'21"E 11.80'
- 7) N68°35'07"E 9.51'
- 8) S87°43'56"E 18.39'
- 9) S71°57'38"E 19.88'
- 10) S62°50'00"E 19.88'
- 11) S83°38'58"E 29.55'
- 12) R=1600.14' L=93.95'
 $\Delta=03^{\circ}21'50''$
 CH=N48°54'08"W 93.94'
- 13) R=1266.23' L=217.09'
 $\Delta=09^{\circ}49'24''$
 CH=N41°53'52"W 216.83'

PERMANENT CULVERT AND SIDEWALK EASEMENT

PART OF THE SE 1/4 OF SECTION 20
 T.2S., R.6E., CITY OF ANN ARBOR, WASHTENAW COUNTY
TAX ID NO.: 09-09-20-403-023

CLIENT: CITY OF ANN ARBOR



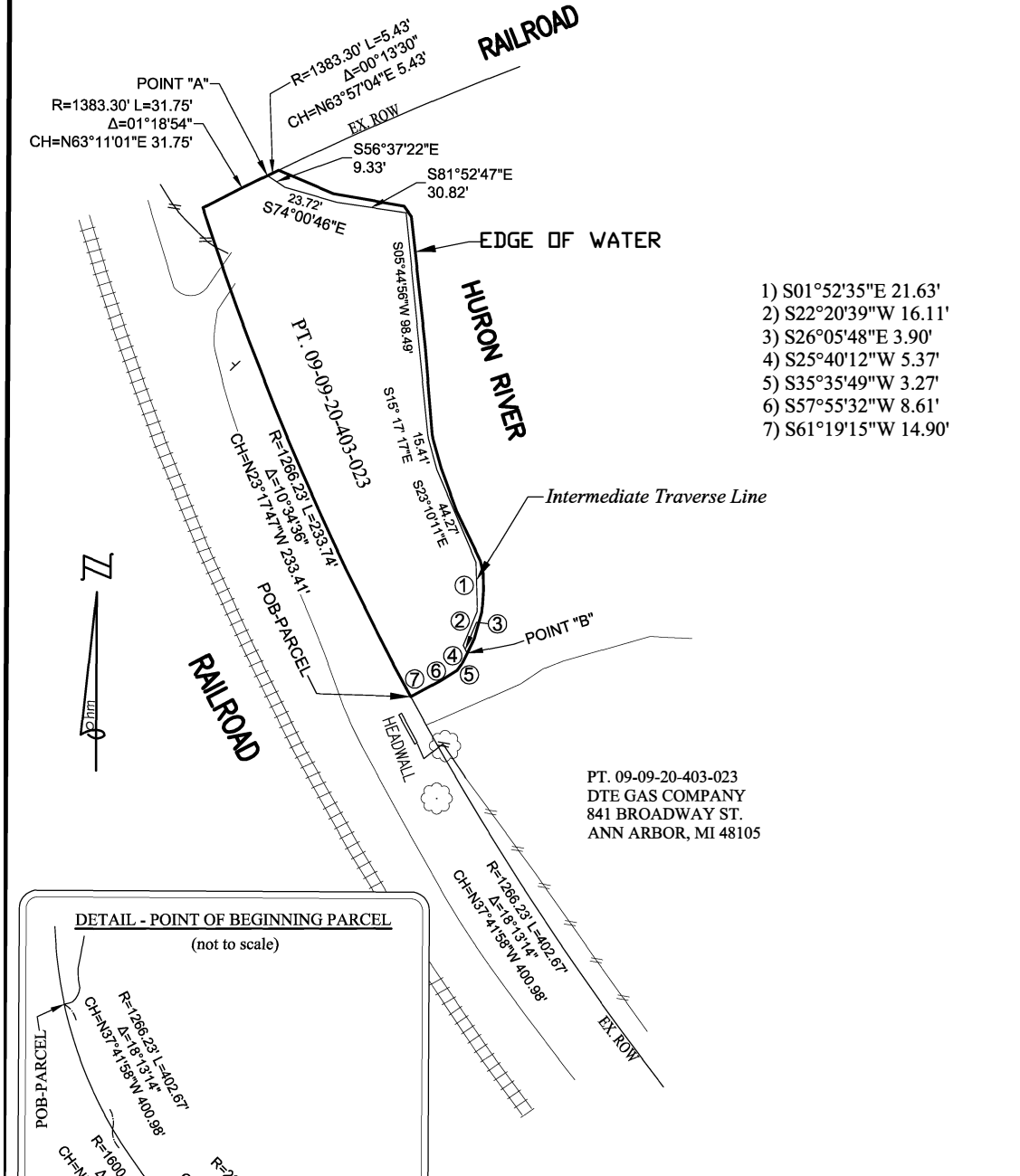
34000 Plymouth Road | Livonia, MI 48150
 p (734) 522-6711 | f (734) 522-6427

Advancing Communities

DATE: 03-13-18	SHEET 1	JOB NO. 1022-17-0010
DRAWN BY: SH		
DWG: 20-403-023		

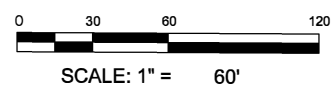
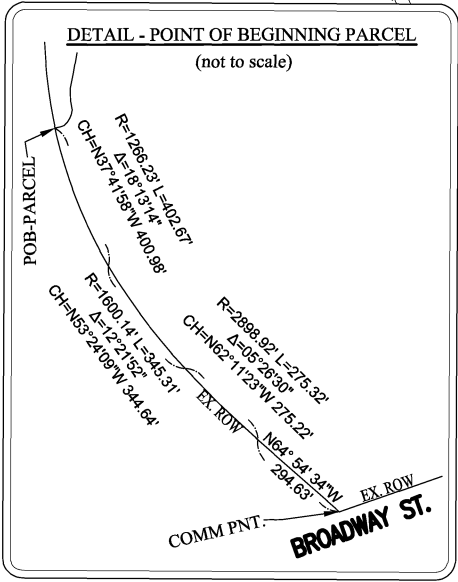
PERMANENT CULVERT AND SIDEWALK EASEMENT SKETCH

Part 2
Exhibit "A"



- 1) S01°52'35\"E 21.63'
- 2) S22°20'39\"W 16.11'
- 3) S26°05'48\"E 3.90'
- 4) S25°40'12\"W 5.37'
- 5) S35°35'49\"W 3.27'
- 6) S57°55'32\"W 8.61'
- 7) S61°19'15\"W 14.90'

PT. 09-09-20-403-023
DTE GAS COMPANY
841 BROADWAY ST.
ANN ARBOR, MI 48105



LEGEND

POB	POINT OF BEGINNING
ROW	RIGHT-OF-WAY
COMM	COMMENCING POINT
PNT.	

PERMANENT CULVERT AND SIDEWALK EASEMENT		OHM	
PART OF THE SE 1/4 OF SECTION 20 T.2S., R.6E., CITY OF ANN ARBOR, WASHTENAW COUNTY PART OF PARCEL ID NO.: 09-09-20-403-023		34000 Plymouth Road Livonia, MI 48150 p (734) 522-6711 f (734) 522-6427 <i>Advancing Communities</i>	
CLIENT:	CITY OF ANN ARBOR	DATE: DRAWN BY: DWG:	04-03-18 SH 20-403-023
		SHEET	JOB NO.
		2	1022-17-0010

PERMANENT CULVERT AND SIDEWALK EASEMENT DESCRIPTION

Exhibit "A"

PERMANENT CULVERT AND SIDEWALK EASEMENT

Part 1

A parcel of land situated in the SE 1/4 of Section 20, Town 2 South, Range 6 East, City of Ann Arbor, Washtenaw County, Michigan, described as follows:

Commencing at the Northerly right of way line of Railroad and the Westerly right of way line of Broadway Street; thence along the Northerly right of way line of said Railroad the following four courses: 1) N 64°54'34" W 294.63 feet, 2) 275.32 feet along a curve to the right having a radius of 2898.92 feet, delta 05°26'30", chord bears N 62°11'23" W 275.22 feet, 3) 345.31 feet along a curve to the right having a radius of 1600.14 feet, delta 12°21'52", chord bears N 53°24'09" W 344.64 feet, 4) 217.09 feet along a curve to the right having a radius of 1266.23 feet, delta 09°49'24", chord bears N 41°53'52" W 216.83 feet to the Point of Beginning; thence continuing along said Northerly line 185.58 feet along a curve to the right having a radius of 1266.23 feet, delta 08°23'50", chord bears N 32°47'16" W 185.41 feet to a point on the Northwestern edge of water of the Allen Creek outlet to the Huron River; thence along said edge of water the following four courses: 5) N 61°19'15" E 14.90 feet, 6) N 57°55'32" E 8.61 feet, 7) N 35°35'49" E 3.27 feet and 8) N 25°40'12" E 5.37 feet; thence S 26°05'48" E 21.79 feet; thence along the approximate edge of Huron River the next eight courses: 9) N 66°14'28" E 15.37 feet, 10) N 55°31'21" E 11.80 feet, 11) N 68°35'07" E 9.51 feet, 12) N 73°51'31" E 39.73 feet, 13) S 87°43'56" E 18.39 feet, 14) S 71°57'38" E 19.88, 15) S 62°50'00" E 19.88 feet, 16) S 83°38'58" E 29.55 feet; thence S 00°23'48" E 74.43 feet; thence S 56°27'21" W 100.12 feet; thence S 10°01'04" W 34.46 feet to the Point of Beginning.

Contains 19,759 square feet or 0.454 acres of land. Subject to all easements and restrictions of record, if any.

Part 2

A parcel of land situated in the SE 1/4 of Section 20, Town 2 South, Range 6 East, City of Ann Arbor, Washtenaw County, Michigan, described as follows:

Commencing at the Northerly right of way line of Railroad and the Westerly right of way line of Broadway Street; thence along the Northerly right of way line of said Railroad the following four courses: 1) N 64°54'34" W 294.63 feet, 2) 275.32 feet along a curve to the right having a radius of 2898.92 feet, delta 05°26'30", chord bears N 62°11'23" W 275.22 feet, 3) 345.31 feet along a curve to the right having a radius of 1600.14 feet, delta 12°21'52", chord bears N 53°24'09" W 344.64 feet, 4) 402.67 feet along a curve to the right having a radius of 1266.23 feet, delta 18°13'14", chord bears N 37°41'58" W 400.98 feet to the Point of Beginning; thence continuing along said Northerly line 233.74 feet along a curve to the right having a radius of 1266.23 feet, delta 10°34'36", chord bears N 23°17'47" W 233.41 feet to a point on the Easterly right of way of Railroad; thence 31.75 feet along a curve to the right having a radius of 1383.30 feet, delta 01°18'54", chord bears N 63°11'01" E 31.75 feet along said Easterly right of way line to a point "A" on the intermediate traverse line; thence continuing along said Easterly line 5.43 feet along a curve to the right having a radius of 1383.30 feet, delta 00°13'30", chord bears N 63°57'04" E 5.43 feet to the edge of water of the Huron River thence Southeasterly along said line of water to a point "B" being distant from said point "A" the following nine courses: S 56°37'22" E 9.12 feet, S 74°00'46" E 23.72 feet, S 81°52'47" E 30.82 feet, S 05°44'56" E 98.49 feet, S 15°17'17" E 15.41 feet; thence S 23°10'11" E 44.27 feet, S 01°52'35" E 21.63 feet, S 22°20'39" W 16.11 feet and S 26°05'48" E 3.90 feet to a point on the Northeasterly edge of water of the Allen Creek outlet to the Huron River; thence along said edge of water the following four courses: S 25°40'12" W 5.37 feet, S 35°35'49" W 3.27 feet, S 57°55'32" W 8.61 feet and S 61°19'15" W 14.90 feet to the Point of Beginning. Includes Lot 1 and part of Lot 2 in Block XIV of Ormsby and Page's Addition being recorded in Liber M, Page 191, Washtenaw County Records, also including all land up to the water's edge.

Contains 14,356 square feet or 0.33 acres of land to the edge of water, more or less. Subject to all easements and restrictions of record, if any.

PERMANENT CULVERT AND SIDEWALK EASEMENT

PART OF THE SE 1/4 OF SECTION 20
T.2S., R.6E., CITY OF ANN ARBOR, WASHTENAW COUNTY
PART OF PARCEL ID NO.: 09-09-20-403-023

CITY OF ANN ARBOR



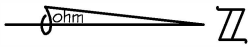
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

Advancing Communities

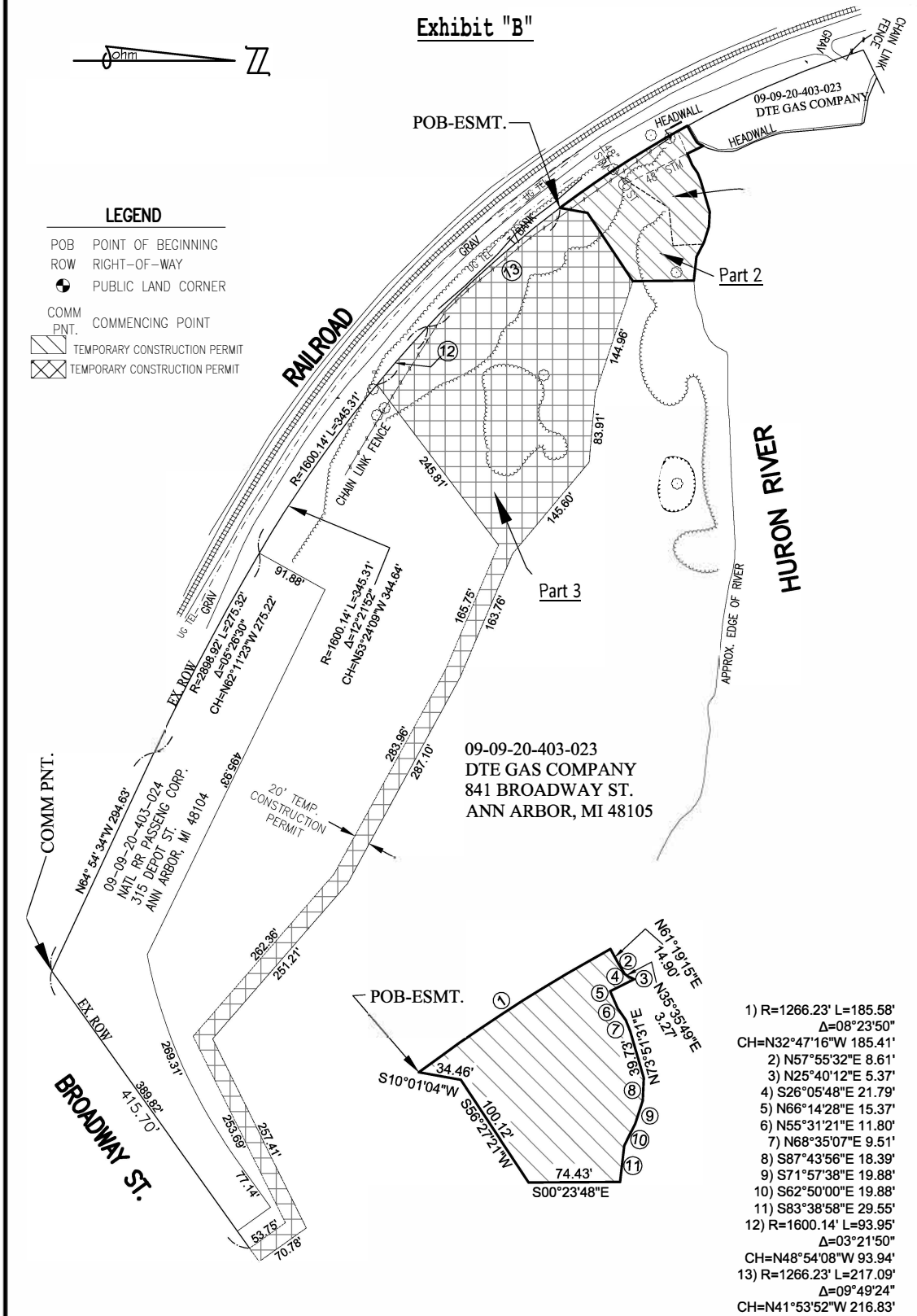
DATE:	04-03-18	SHEET	JOB NO.
DRAWN BY:	SH	3	1022-17-0010
DWG:	20-403-023		

TEMPORARY CONSTRUCTION PERMIT SKETCH

Exhibit "B"



- LEGEND**
- POB POINT OF BEGINNING
 - ROW RIGHT-OF-WAY
 - PUBLIC LAND CORNER
 - COMM PNT. COMMENCING POINT
 - TEMPORARY CONSTRUCTION PERMIT
 - TEMPORARY CONSTRUCTION PERMIT



09-09-20-403-023
 DTE GAS COMPANY
 841 BROADWAY ST.
 ANN ARBOR, MI 48105

- 1) R=1266.23' L=185.58'
 $\Delta=08^{\circ}23'50''$
 CH=N32°47'16"W 185.41'
- 2) N57°55'32"E 8.61'
- 3) N25°40'12"E 5.37'
- 4) S26°05'48"E 21.79'
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- 7) N68°35'07"E 9.51'
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- 9) S71°57'38"E 19.88'
- 10) S62°50'00"E 19.88'
- 11) S83°38'58"E 29.55'
- 12) R=1600.14' L=93.95'
 $\Delta=03^{\circ}21'50''$
 CH=N48°54'08"W 93.94'
- 13) R=1266.23' L=217.09'
 $\Delta=09^{\circ}49'24''$
 CH=N41°53'52"W 216.83'

TEMPORARY CONSTRUCTION PERMIT

PART OF THE SE 1/4 OF SECTION 20
 T.2S., R.6E., CITY OF ANN ARBOR, WASHTENAW COUNTY
TAX ID NO.: 09-09-20-403-023

CLIENT: CITY OF ANN ARBOR



34000 Plymouth Road | Livonia, MI 48150
 p (734) 522-6711 | f (734) 522-6427

Advancing Communities

DATE: 03-13-18	SHEET: 2	JOB NO.:
DRAWN BY: SH		1022-17-0010
DWG: 20-403-023		

TEMPORARY CONSTRUCTION PERMIT DESCRIPTION

Exhibit "B"

Part 1

A parcel of land situated in the SE 1/4 of Section 20, Town 2 South, Range 6 East, City of Ann Arbor, Washtenaw County, Michigan, described as follows:

Commencing at the Northerly right of way line of Railroad and the Westerly right of way line of Broadway Street; thence along the Northerly right of way line of said Railroad the following four courses: 1) N 64°54'34" W 294.63 feet, 2) 275.32 feet along a curve to the right having a radius of 2898.92 feet, delta 05°26'30", chord bears N 62°11'23" W 275.22 feet, 3) 345.31 feet along a curve to the right having a radius of 1600.14 feet, delta 12°21'52", chord bears N 53°24'09" W 344.64 feet, 4) 402.67 feet along a curve to the right having a radius of 1266.23 feet, delta 18°13'14", chord bears N 37°41'58" W 400.98 feet to the Point of Beginning; thence continuing along said Northerly line 233.74 feet along a curve to the right having a radius of 1266.23 feet, delta 10°34'36", chord bears N 23°17'47" W 233.41 feet to a point on the Easterly right of way of Railroad; thence 31.75 feet along a curve to the right having a radius of 1383.30 feet, delta 01°18'54", chord bears N 63°11'01" E 31.75 feet along said Easterly right of way line to a point "A" on the intermediate traverse line; thence continuing along said Easterly line 5.43 feet along a curve to the right having a radius of 1383.30 feet, delta 00°13'30", chord bears N 63°57'04" E 5.43 feet to the edge of water of the Huron River thence Southeasterly along said line of water to a point "B" being distant from said point "A" the following nine courses: S 56°37'22" E 9.12 feet, S 74°00'46" E 23.72 feet, S 81°52'47" E 30.82 feet, S 05°44'56" E 98.49 feet, S 15°17'17" E 15.41 feet; thence S 23°10'11" E 44.27 feet, S 01°52'35" E 21.63 feet, S 22°20'39" W 16.11 feet and S 26°05'48" E 3.90 feet to a point on the Northeasterly edge of water of the Allen Creek outlet to the Huron River; thence along said edge of water the following four courses: S 25°40'12" W 5.37 feet, S 35°35'49" W 3.27 feet, S 57°55'32" W 8.61 feet and S 61°19'15" W 14.90 feet to the Point of Beginning. Includes Lot 1 and part of Lot 2 in Block XIV of Ormsby and Page's Addition being recorded in Liber M, Page 191, Washtenaw County Records, also including all land up to the water's edge.

Contains 14,356 square feet or 0.33 acres of land to the edge of water, more or less. Subject to all easements and restrictions of record, if any.

Part 2

A parcel of land situated in the SE 1/4 of Section 20, Town 2 South, Range 6 East, City of Ann Arbor, Washtenaw County, Michigan, described as follows:

Commencing at the Northerly right of way line of Railroad and the Westerly right of way line of Broadway Street; thence along the Northerly right of way line of said Railroad the following four courses: 1) N 64°54'34" W 294.63 feet, 2) 275.32 feet along a curve to the right having a radius of 2898.92 feet, delta 05°26'30", chord bears N 62°11'23" W 275.22 feet, 3) 345.31 feet along a curve to the right having a radius of 1600.14 feet, delta 12°21'52", chord bears N 53°24'09" W 344.64 feet, 4) 217.09 feet along a curve to the right having a radius of 1266.23 feet, delta 09°49'24", chord bears N 41°53'52" W 216.83 feet to the Point of Beginning; thence continuing along said Northerly line 185.58 feet along a curve to the right having a radius of 1266.23 feet, delta 08°23'50", chord bears N 32°47'16" W 185.41 feet to a point on the Northwesterly edge of water of the Allen Creek outlet to the Huron River; thence along said edge of water the following four courses: 5) N 61°19'15" E 14.90 feet, 6) N 57°55'32" E 8.61 feet, 7) N 35°35'49" E 3.27 feet and 8) N 25°40'12" E 5.37 feet; thence S 26°05'48" E 21.79 feet; thence along the approximate edge of Huron River the next eight courses: 9) N 66°14'28" E 15.37 feet, 10) N 55°31'21" E 11.80 feet, 11) N 68°35'07" E 9.51 feet, 12) N 73°51'31" E 39.73 feet, 13) S 87°43'56" E 18.39 feet, 14) S 71°57'38" E 19.88, 15) S 62°50'00" E 19.88 feet, 16) S 83°38'58" E 29.55 feet; thence S 00°23'48" E 74.43 feet; thence S 56°27'21" W 100.12 feet; thence S 10°01'04" W 34.46 feet to the Point of Beginning.

Contains 19,759 square feet or 0.454 acres of land. Subject to all easements and restrictions of record, if any.

Part 3

A parcel of land situated in the SE 1/4 of Section 20, Town 2 South, Range 6 East, City of Ann Arbor, Washtenaw County, Michigan, described as follows:

Commencing at the Northerly right of way line of Railroad and the Westerly right of way line of Broadway Street; thence N 54°29'04" E 415.70 feet along the Westerly right of way line of said Broadway Street to the Point of Beginning; thence N 35°30'56" W 53.75 feet; thence S 63°38'20" W 253.69 feet; thence N 49°02'33" W 262.36 feet; thence N 61°22'44" W 283.96 feet; thence N 66°59'14" W 165.75 feet; thence S 52°53'19" W 245.81 feet; thence 93.95 feet along a curve to the right having a radius of 1600.14 feet, delta 03°21'50", chord bears N 48°54'08" W 93.94 feet and 217.09 feet along a curve to the right having a radius of 1266.23 feet, delta 09°49'24", chord bears N 41°53'52" W 216.83 feet along said Northerly right of way line of Railroad; thence N 10°01'04" E 34.46 feet; thence N 56°27'21" E 100.12 feet; thence S 71°27'52" E 144.96 feet; thence S 84°58'13" E 83.91 feet; thence S 50°05'55" E 145.60 feet; thence S 66°59'14" E 163.76 feet; thence S 61°22'44" E 287.10 feet; thence S 49°02'33" E 251.21 feet; thence N 63°38'20" E 257.41 feet; thence S 35°30'56" E 70.78 feet; thence S 54°29'04" W 20.0 feet along the Westerly right of way line of Broadway Street to the Point of Beginning.

Contains 92,847 square feet or 2.131 acres of land. Subject to all easements and restrictions of record, if any.

TEMPORARY CONSTRUCTION PERMIT

PART OF THE SE 1/4 OF SECTION 20
T.2S., R.6E., CITY OF ANN ARBOR, WASHTENAW COUNTY
TAX ID NO.: 09-09-20-403-023

CLIENT: CITY OF ANN ARBOR



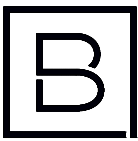
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

Advancing Communities

DATE: 05-01-18
DRAWN BY: SH
DWG: 20-403-023

SHEET
3

JOB NO.
1022-17-0010



DRAWING TITLE:
DTE EXHIBIT

BY:
RFB

CHK'D BY:
JAH

DATE:
03/12/2018

SCALE:
1"=40'

