AGREEMENT
GAS FACILITIES RELOCATION
37th Street from Omaha Street to Albany Street
CITY OF BROKEN ARROW Project Number ST1112
WAGONER COUNTY

Oklahoma Natural Gas Company, a Division of ONE Gas, Inc., hereinafter called "Company," owns various medium-pressure and high-pressure distribution natural gas pipelines within the construction limits of the referenced project in the City of Broken Arrow, Tulsa County, Oklahoma, which Company utilizes in the discharge of its duties as a public service corporation.

City of Broken Arrow, Oklahoma, a municipal corporation, hereinafter called "City," has requested Company to relocate these facilities to accommodate the proposed construction of the referenced project as shown on plans therefore, the latest of which were received electronically by Company on February 2, 2017. City agrees to reimburse Company in the extent and manner hereinafter stated for that portion of the cost of relocating said facilities which is for the benefit of City.

Company proposes to perform the necessary relocation of its facilities in substantial accordance with the four plan sheets and the three-page cost estimate, all dated April 7, 2017, of which four copies each are attached. Company will bear the cost of relocating the portions of the facilities which do not occupy private rights-of-way. The City's share of the estimated cost of the necessary relocation will be $1,002,244.00 all of which is to be reimbursed to Company by City.

City by accepting the proposal agrees that City shall reimburse Company for its share of the total actual relocation costs, said costs being arrived at in the same manner as used in Company's estimated cost of the project attached hereto.

Such relocation costs will be based upon, but not necessarily limited to, material suppliers', work contractors', and equipment-rental invoices; and at then-current rates and prices, company's transfer and stores expense charges for warehoused materials; payroll time sheets; indirect labor charges; auto, truck, and equipment use records; expense statements; and standard allocated overhead charges. Company's award of and payment for contracted work will be based upon competitive bids or continuing contract, whichever appears to the Company will be most practical and economical.

It is further understood, and City by accepting this proposal agrees, that City will reimburse the Company in accordance with this agreement within thirty (30) days after the said relocation work has been completed and Company's statement for City's costs thereof has been submitted. Company agrees that in the event Company should determine prior to commencement of construction that the revised estimated amount of the reimbursement by the City may exceed the estimated cost as stated herein, Company shall notify the City of such determination in writing. City shall have the right to terminate this agreement within ten (10) days of receipt of such said written notice. If City elects to so terminate, City shall pay Company the City's share of any engineering cost incurred to date of termination. If the City does not terminate the agreement within the ten (10) days, it shall remain in full force and effect.

The Company by agreeing to or by abandoning, relocating, or modifying any of its facilities pursuant to this agreement shall not thereby be deemed to have abandoned, modified, released, or otherwise destroyed any of its rights existing at the time of the execution of this agreement under valid and subsisting private right-of-way easements granted to, obtained by or through condemnation, or otherwise vested in the Company unless the Company shall have released same by written instrument.

Further, should the Company in the course of relocating the above-described facilities relocate any of such facilities

presently located on private right-of-way onto public right-of-way, the Company shall be deemed in respect to such facilities to have retained sufficient easement and other rights such that if said facilities are encompassed within any future governmental project requiring relocation, adjustment, or abandonment of such facilities, that the Company shall be entitled to reimbursement for the cost of such relocation, adjustment, or abandonment from the governmental agency requiring the same; provided, however, this provision shall not be construed as requiring reimbursement by the City of Broken Arrow except when such relocation, adjustment, or abandonment is required for a project of the City of Broken Arrow.

Any changes made by the City in this proposal as submitted by the Company shall be subject to the written acceptance thereof by the Company before there is any binding contract between the parties.

City by accepting this proposal warrants that it now has or will have unencumbered funds available with which to pay the relocation costs to the extent herein above provided.

If this proposal is not accepted by the City within one (1) year from the date of this letter, this proposal shall automatically terminate and thereafter shall not be subject to acceptance by the City unless the proposal is reinstated by Company.

Company respectfully requests that the City of Broken Arrow agree to the terms of this proposal by signing in the space provided below and returning one executed copy to us.

ATTEST:

Secretary - Brian Shore

OKLAHOMA NATURAL GAS COMPANY,
A DIVISION OF ONE Gas, INC.

By: _____
Vice President of Operations - Kent Shortridge

Date: 6/12/17

APPROVED AND ADOPTED by the City Council of the City of Broken Arrow this _____ day of

_____, 2016.

ATTEST:

CITY OF BROKEN ARROW
A MUNICIPAL CORPORATION

_____
City Clerk – Deputy

_____
Mayor

APPROVED as to form and legality

_____
City Attorney

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED GAS FACILITIES RELOCATION COST
37TH STREET OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

From Attached Detailed Cost Estimates

COST SUMMARY

Estimated Cost to Replace with Like Kind & Size			Estimated Cost of Actual Replacement	
			Total Cost	Betterment Cost
Sheet 2 ONG Share	Sheet 2 B.A. Share	Sheet 2 Total Cost	Sheet 3	
$80,561 7.44%	**$1,002,244** 92.56%	**$1,082,805**	**$1,448,696**	**$365,891**

Total Estimated ONG Cost = ONG SHARE + $80,561 BETTERMENT = $365,891 **$446,452**

Total Estimated B.A. Cost = B.A. SHARE = **$1,002,244**

Total Estimated Cost of Actual Replacement = $1,448,696

Composite percentage for project

ONG SHARE = 446,452 / 1,448,696 = **30.82%**

B.A. SHARE = $1,002,244 / $1,448,696 = **69.18%**

Eastern Region Engineering (Jonathon Meadows)

Prepared By:
Utility Design Services Inc.

4/7/2017

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED GAS FACILITIES RELOCATION COST
37TH STREET OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

Replacement with Like Kind & Size

MATERIAL COST:	QTY		UNIT COST	AMOUNT
6 5/8"OD PIPE, STEEL, 0.280"WT, 18.99# ERW X-52 FBE 14-16 W/ARO	5,620	ft.	19.02	$106,893
4 1/2" O.D. PIPE-STEEL, .237" WT, 10.80#/ft ERW X-52, FBE 14-16 W/ARO	80	ft.	14.80	$1,184
4" PIPE-PE 2406, IPS, .395"WT, SDR11.5, 40' LENGTHS, ASTM D2513	280	ft.	2.13	$597
6" FITTING-SHORTSTOP, SPLIT TEE FULL ENCIRC., ANSI 300, 740 LB WP	4	ea.	2,094.96	$8,380
2" FITTING-THREADED, O-RING, 1500 LB WP	4	ea.	179.38	$718
4"X4" SADDLE-ELECTROFUSION, MD PE 2406	2	ea.	68.99	$138
6" ELBOW-ST WELD 90DEG 3R STD GRADE B SMLS	4	ea.	371.18	$1,485
6" ELBOW-ST WELD 45DEG 3R STD GRADE B SMLS	12	ea.	42.24	$507
4" ELBOW-ST WELD 90DEG LR STD GRADE B SMLS	4	ea.	23.96	$96
4" ELBOW-BUTT FUSION 90DEG MD PE 2406, SDR 11	5	ea.	8.59	$43
6" CAP-STEEL, WELD, STD GRADE B SMLS	1	ea.	24.51	$25
4" CAP-BUTT FUSION, MD PE 2406	4	ea.	5.03	$21
4" COUPLING-ELECTROFUSION, MD PE 3408/4710	2	ea.	10.68	$22
5# ANODE-EXTRUDED, MAGNESIUM, PACKAGED, 10FT LEAD, D3 HIGH POT	1	ea.	18.17	$19
4"X9' WRAP-PIPE, MICROCRYSTALLINE #2 WAX, ROLL	72	ea.	10.64	$767
PRIMER- TEMCOAT 3000, GALLON	4	ea.	33.71	$135
COATING-PIPE, LIQUID EPOXY, HIGH BUILD, 2 PART, 2 LITER	100	ea.	46.25	$4,625
#10 AWG-WIRE-TRACER, FOR BORING, SOLID COPPER, 500' COIL	280	ft.	0.16	$45
4" FLANGE-WELD NECK, RAISED FACE,ST, 300LB	4	ea.	32.14	$129
4" GASKET-TYPE F, 1/8" THICK, NON ASB, NITRILE COVERED	4	ea.	6.36	$26
3/4" X 5 1/2" BOLT, STUD, W/2-2H HEX NUTS, ASTM GR-B7	32	ea.	1.22	$40
MISC. MATERIAL				$12,570
ESTIMATED MATERIAL COST				**$138,465**

INSTALLATION COST:		AMOUNT
Stores Expense		$30,878
Contract Construction Labor		$389,314
Contract Engineering Services		$12,982
Company Labor		$58,398
Indirect Labor, Payroll, Insurance, and Taxes		$32,236
Automotive Expense		$11,680
Right of Way Cost		$10,000
Restoration & Damages		$3,300
TOTAL	INSTALLATION plus MATERIAL	**$687,254**
ESTIMATED ABANDONMENT COST		**$17,182**
Administrative and General Expense		**$240,918**
Omissions and Contingencies		**$137,451**
TOTAL ESTIMATED RELOCATION COST	TOTAL of above	**$1,082,805**

FINANCIAL RESPONSIBILITY

Total within Private Right of Way = 5,166'
Total within Public Right of Way = 415'

B.A. Share 5,166 ft. within additional required R/W / 5,581 ft. within total required R/W — 92.56% = $1,002,244

ONG Share 415 ft. within present public R/W / 5,581 ft. within total required R/W — 7.44% = $80,561

Eastern Region Engineering (Jonathon Meadows)

Prepared By:
Utility Design Services Inc.

4/7/2017

OKLAHOMA NATURAL GAS COMPANY
ESTIMATED GAS FACILITIES RELOCATION COST
37TH STREET OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

Actual Replacement

MATERIAL COST:	QTY		UNIT COST	AMOUNT
8 5/8" O.D. PIPE-STL, .322" WALL, 28.58#/FT, API-5L X-52, ERW ARO 20 MILLS	5,620	ft.	26.56	$149,268
4 1/2" O.D. PIPE-STEEL, .237" WT, 10.80#/ft ERW X-52, FBE 14-16 W/ARO	80	ft.	14.80	$1,184
4" PIPE-PE 2406, IPS, .395"WT, SDR11.5, 40' LENGTHS, ASTM D2513	280	ft.	2.13	$597
6" FITTING-SHORTSTOP, SPLIT TEE FULL ENCIRC., ANSI 300, 740 LB WP	4	ea.	2,094.96	$8,380
2" FITTING-THREADED, O-RING, 1500 LB WP	4	ea.	179.38	$718
4"X4" SADDLE-ELECTROFUSION, MD PE 2406	2	ea.	68.99	$138
8" ELBOW-ST WELD 90DEG 3R STD GRADE B SMLS	4	ea.	722.42	$2,890
8" ELBOW-ST WELD 33DEG 3R STD GRADE B SMLS	12	ea.	120.04	$1,441
4" ELBOW-ST WELD 90DEG LR STD GRADE B SMLS	8	ea.	23.96	$192
4" ELBOW-BUTT FUSION 90DEG MD PE 2406, SDR 11	5	ea.	8.59	$43
8"X6" REDUCER-ST CONCENTRIC WELD STD	2	ea.	53.46	$107
6" CAP-STEEL, WELD, STD GRADE B SMLS	2	ea.	24.51	$50
4" CAP-BUTT FUSION, MD PE 2406	4	ea.	5.03	$21
4" COUPLING ELECTROFUSION, MD PE 3408/4710	2	ea.	10.68	$22
5# ANODE-EXTRUDED, MAGNESIUM, PACKAGED, 10FT LEAD, D3 HIGH POT	1	ea.	18.17	$19
4"X9' WRAP-PIPE, MICROCRYSTALLINE #2 WAX, ROLL	72	ea.	10.64	$767
PRIMER- TEMCOAT 3000, GALLON	4	ea.	33.71	$135
COATING-PIPE, LIQUID EPOXY, HI BUILD, 2 PART, 2-LITER	100	ea.	46.25	$4,625
#10 AWG-WIRE-TRACER, FOR BORING, SOLID COPPER, 500' COIL	280	ft.	0.16	$45
4" FLANGE-WELD NECK, RAISED FACE,ST, 300LB	4	ea.	32.14	$129
4" GASKET-TYPE F, 1/8" THICK, NON ASB, NITRILE COVERED	4	ea.	6.36	$26
3/4" X 5 1/2" BOLT, STUD, W/2-2H HEX NUTS, ASTM GR-B7	32	ea.	1.22	$40
MISC. MATERIAL				$34,129
TOTAL ESTIMATED MATERIAL COST				**$204,966**

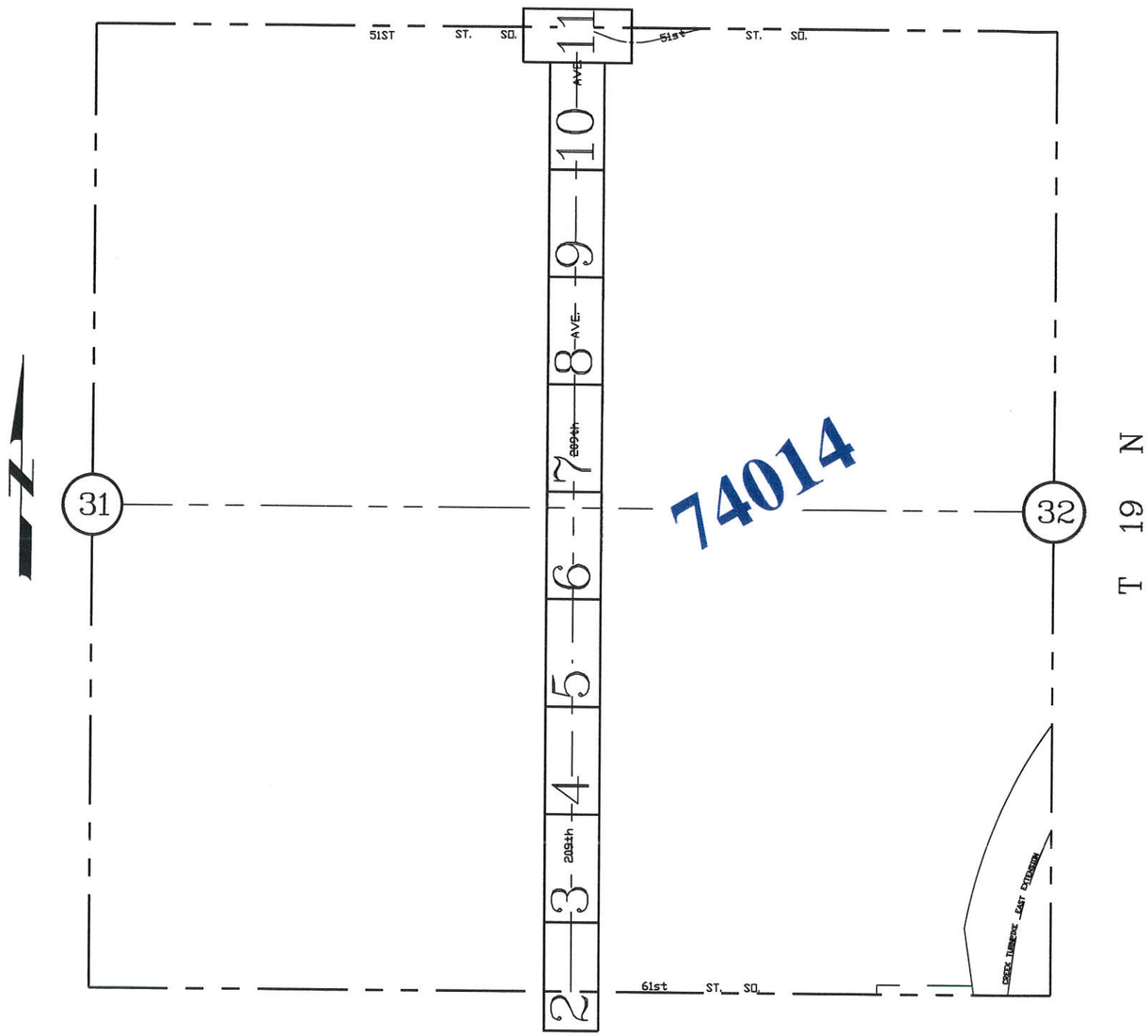
INSTALLATION COST:		AMOUNT
Stores Expense		$45,708
Contract Construction Labor		$508,812
Contract Design & Drafting Services		$12,982
Company Labor		$76,322
Indirect Labor, Payroll, Insurance, and Taxes		$42,130
Automotive Expense		$15,265
Right of Way Cost		$10,000
Restoration & Damages		$3,300
TOTAL	INSTALLATION plus MATERIAL	**$919,485**
ESTIMATED ABANDONMENT COST		**$22,988**
Administrative and General Expense		**$322,326**
Omissions and Contingencies		**$183,897**
TOTAL ESTIMATED RELOCATION COST	TOTAL of above	**$1,448,696**

Eastern Region Engineering (Jonathon Meadows)

Prepared By
Utility Design Services Inc.

4/7/2017

WAGONER COUNTY
CITY OF BROKEN ARROW
R 15 E



AREA LOCATION

BASE MATERIAL REQUIRED

1	5,620' of	8 5/8"		O.D. PIPE-STEEL, .322" WALL, 28.58#/FT, API-5L X-52, ERW, FBE 14-16 MILLS ABRASION RESISTANT OVERCOAT 20 MILLS
2	80' of	4 1/2"		O.D. PIPE-STEEL, .237" WALL, 10.80#/FT, API-5L X-52, ERW, FBE-14-16 MILLS WITH 20 MIL ABRASION RESISTANT OVERLAY
3	280'	—	4"	PIPE-PE2406/PE2708, IPS, .395" WALL, SDR11, 40' LENGTHS, LB/FT 2.17
4	4	—	6"	FITTING-SHORTSTOP, SPLIT TEE FULL ENCIRCLEMENT ANSI 300 740 LB WP
5	4	—	2"	FITTING-THREADED, O-RING, 1500 LB WP
6	2	—	4"X4"	SADDLE-ELECTROFUSION, MD PE 2406
7	4	—	8"	ELBOW-ST WELD 90 DEG 3R STD GRADE B, SMLS
8	12	—	8"	ELBOW-ST WELD 30 DEG 3R STD GRADE B, SMLS
9	8	—	4"	ELBOW-ST WELD 90 DEG LR STD GRADE B, SMLS
10	5	—	4"	ELBOW-BUTT FUSION, 90 DEG, MD PE 2406
11	2	—	8"X6"	REDUCER-ST CONCENTRIC WELD STD
12	2	—	6"	CAP-STEEL-WELD, STD WALL
13	4	—	4"	CAP-BUTT FUSION, MD PE 2406
14	2	—	4"	COUPLING-ELECTROFUSION, MD PE 3408/4710
15	1	—	5LB	ANODE-EXTRUDED, MAGNESIUM, PACKAGED, 10 FT LEAD, D3 HIGH POT
16	72	—	4"x9'	ROLL-WRAP-PIPE, MICROCRYSTALLINE #2 WAX, BROWN
17	4	—	-	GALLON-PRIMER-TEMCOAT 3000
18	100	—	-	COATING-PIPE, LIQUID EPOXY, HIGH BUILD, TWO LITER KIT.
19	280'	—	#10	AWG-WIRE-TRACER, FOR BORING, SOLID COPPER, ASTM B-1, 500' COIL
20	4	—	4"	FLANGE-WELD NECK, RAISED FACE, ST, 300LB
21	4	—	4"	GASKET-TYPE F, (1/8") THICK, NON ASB, NITRILE COVERED PHENOLIC, ANSI 300, ASTM D149 DIELECTRIC STRENGTH
22	32	—		3/4" X 5 1/2" BOLT, STUD, W/2-2H HEX NUTS, ASTM GR-B7

MATERIAL TO ABANDON OR REMOVE

1X 5,369' of 6" STEEL PIPE (93)
2X 212' of 4" PLASTIC PIPE (90)

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

BEFORE YOU DIG.. CALL OKIE 1-800-522-6543

LEGEND

- ▲ = HOT TAP
- V = VALVE
- M = METER
- R = REGULATOR
- ⊣⊢ = CUT & CAP
- △ = EXIST. TAP #
- EXISTING
- PROPOSED NEW
- REMOVE OR ABANDON

GENERAL NOTE:

1. ALL GAS LINES TO BE BURIED A MIN. OF 36" FROM EXISTING GRADE TO TOP OF PIPE UNLESS SHOWN OTHERWISE IN CROSS SECTIONS AND NOTATIONS WITHIN THE PLAN DRAWINGS ATTACHED.
2. ALL DRIVEWAYS AND STREET CROSSINGS TO BE BURIED A MIN. OF 48" BELOW EXISTING GRADE OF DRIVEWAY AND STREET OR BOTTOM OF DITCH UNLESS SHOWN OTHERWISE IN CROSS SECTIONS AND GENERAL NOTES WITH THE PLAN DRAWINGS ATTACHED.
3. ALL FIELD CHANGES TO THIS RELOCATION PLAN NEED TO BE DISCUSSED AND APPROVED BY EITHER ONG ENGINEERING OR UTILITY DESIGN SERVICES INC.

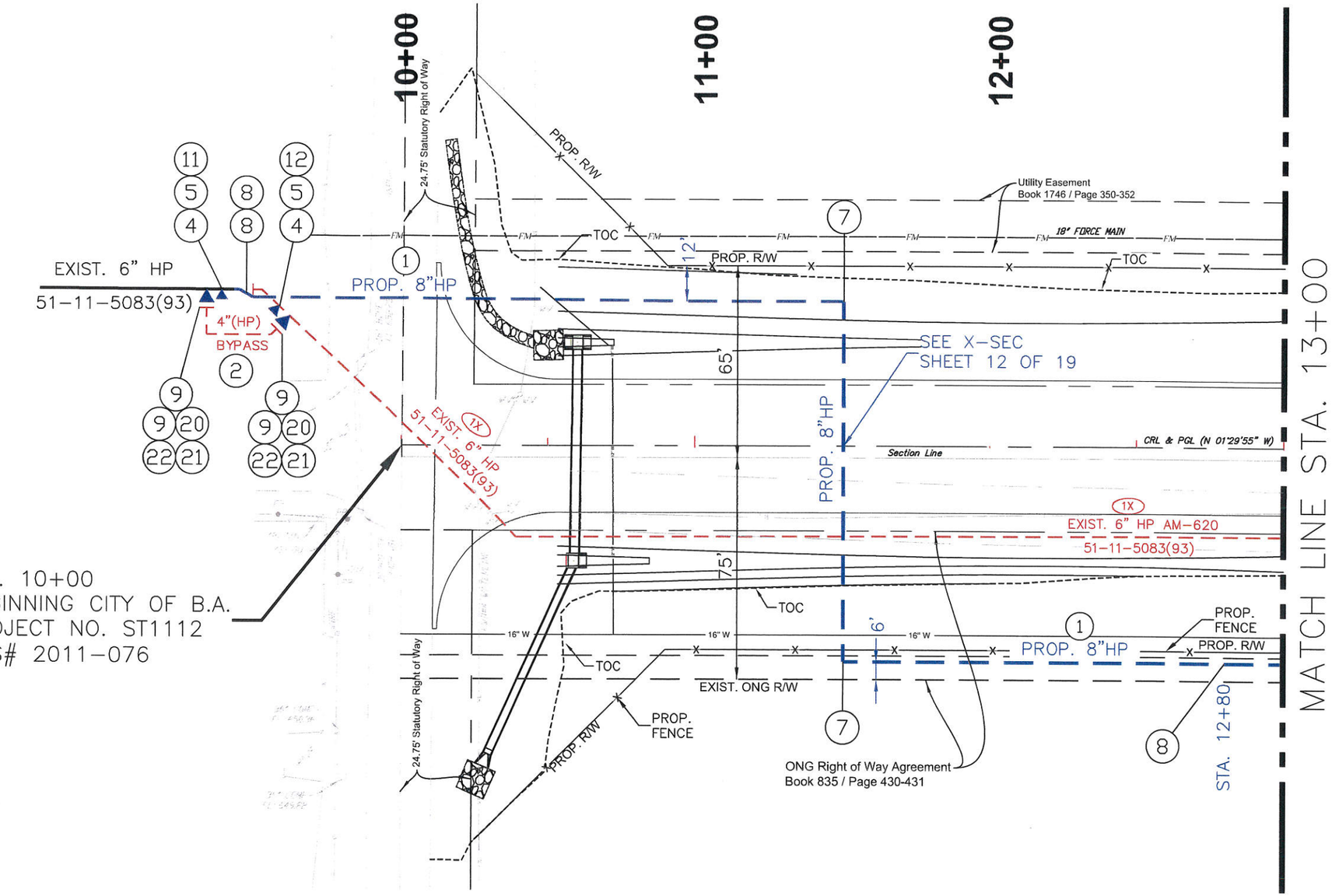
" "

REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY
TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 1 OF 19
J.O. NO.				



0 10 20 40

1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 2 OF 19
J.O. NO.				

14+00

15+00

16+00

17+00

18+00

Book 1278 / Page 137-138
Book 1858 / Page 491
The Betty Ann Mockley 1992 Revocable Trust
114 East 5th Street
Tulsa, OK 74103

Rural Water District No. 4
Right of Way Easement
Volume 358 / Page 289
(S/2 SE/4 - Section 31)

Utility Easement
Book 1746 / Page 350-352

18" FORCE MAIN

24.75' Statutory Right of Way

N. 37TH STREET

Section Line

MATCH LINE STA. 13+00

MATCH LINE STA. 19+00

1X

EXIST. 6" HP AM-620
51-11-5083(93)

TOC

75'

16" W

PROP. R/W

PROP. FENCE

6'

EXIST. ONG R/W

1

PROPOSED 8"HP

ONG Right of Way Agreement
Book 835 / Page 430-431

SEE PROFILE
SHEET 13 OF 19

8

STA. 15+80

Book 1762 / Page 29
The Revocable Inter Vivos Trust of
Barbara A. Brown Kimbrough
P.O. Box 1555
Broken Arrow, OK 74013

0 10 20 40

1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

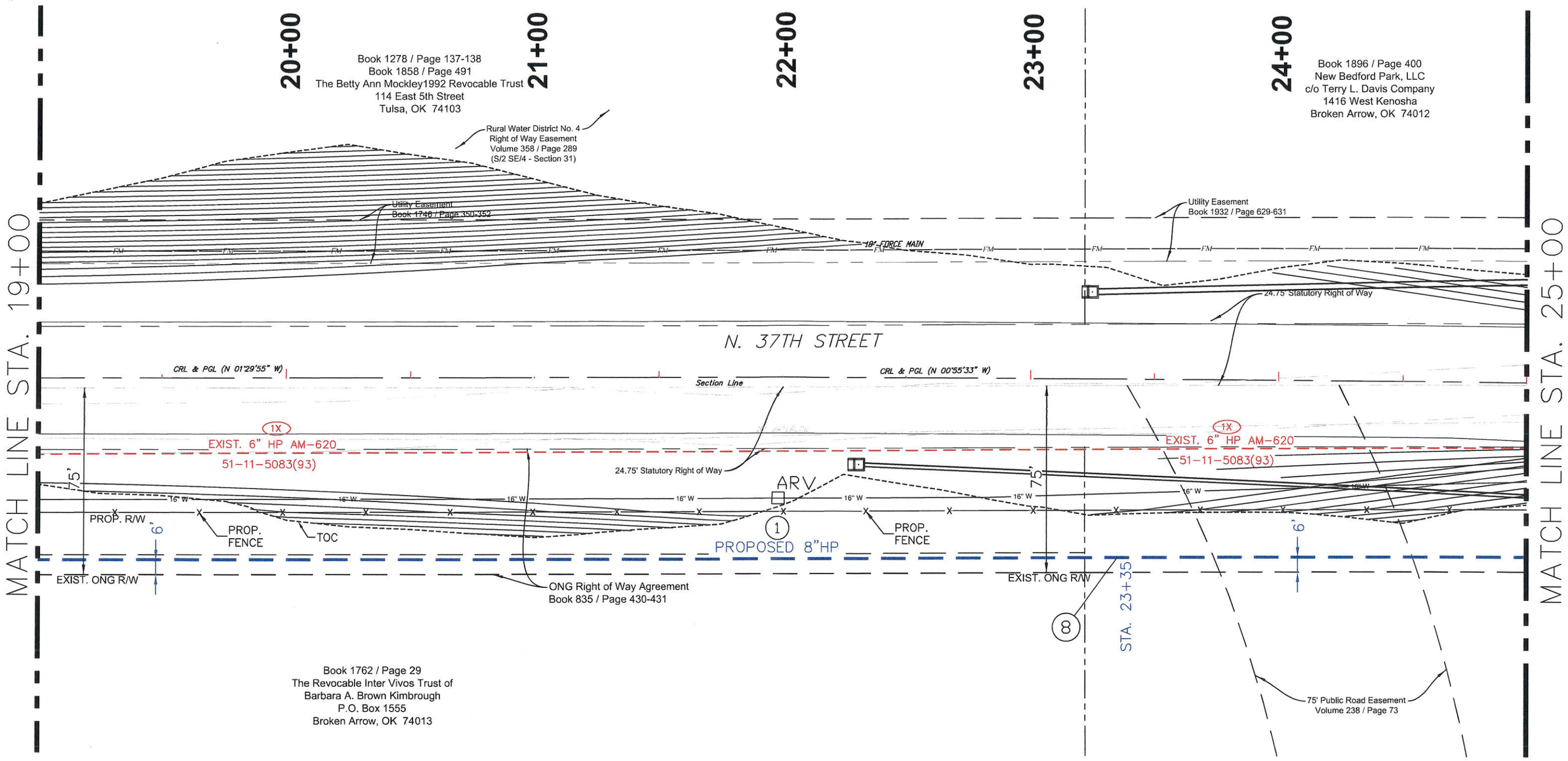
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 3 OF 19
J.O. NO.				



UDS No. 2011-076

Prepared By: Utility Design Services Inc.

REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 4 OF 19
J.O. NO.				

26+00

27+00

28+00

29+00

30+00

Book 1896 / Page 400
New Bedford Park, LLC
c/o Terry L. Davis Company
1416 West Kenosha
Broken Arrow, OK 74012

Lift Station
FF=636.50

Utility Easement
Book 1932 / Page 629-631

Utility Easement
Book 1932 / Page 629-631

18" FORCE MAIN

MATCH LINE STA. 25+00

MATCH LINE STA. 31+00

N. 37TH STREET

CRL & PGL (N 02°04'18" W)

1X

EXIST. 6" HP AM-620
51-11-5083(93)

16" W

75'

6'

PROP. R/W

PROPOSED 8"HP

1

EXIST. ONG R/W

TOC

ONG Right of Way Agreement
Book 835 / Page 430-431

8

STA. 30+20

SEE PROFILE SHEETS
14, 15, AND 16

0 10 20 40
1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

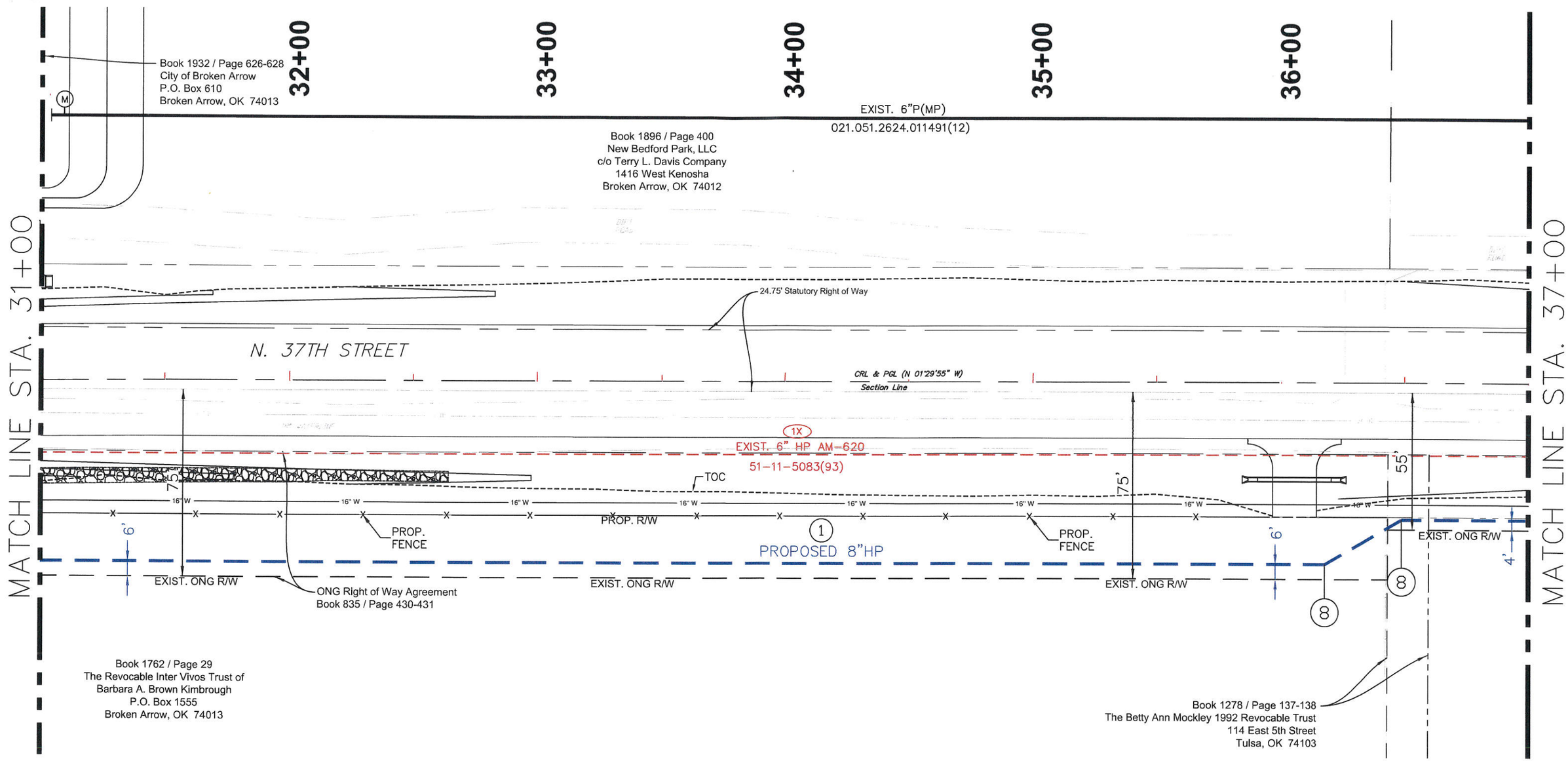
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 5 OF 19
J.O. NO.				



0 10 20 40

1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 6 OF 19
J.O. NO.				

38+00

39+00

40+00

Book 1896 / Page 400
New Bedford Park, LLC
c/o Terry L. Davis Company
1416 West Kenosha
Broken Arrow, OK 74012

41+00

42+00

EXIST. 6"P(MP)
021.051.2624.011491(12)

MATCH LINE STA. 37+00

MATCH LINE STA. 43+00

24.75' Statutory Right of Way

N. 37TH STREET

CRL & PGL (N 01°29'21" W)
Section Line

Section Line

1X
EXIST. 6" HP AM-620
51-11-5083(93)

55'

55'

TOC

1

16" W — 16" W — 16" W — 16" W — PROPOSED 8"HP — 16" W — 16" W — 16" W

PROP. R/W

EXIST. ONG R/W

ONG Right of Way Agreement
Book 835 / Page 429 & 787-788 & 790-791

4'

4'

Book 1489 / Page 171
209th Street, LLC
6314 East 96th Street
Tulsa, OK 74457

0 10 20 40
1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

"					"
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 7
J.O. NO.				OF 19

44+00

45+00

46+00

47+00

48+00

Book 1896 / Page 400
New Bedford Park, LLC
c/o Terry L. Davis Company
1416 West Kenosha
Broken Arrow, OK 74012

EXIST. 6"P(MP)
021.051.2624.011491(12)

MATCH LINE STA. 43+00

MATCH LINE STA. 49+00

24.75' Statutory Right of Way

N. 37TH STREET

Section Line

Section Line

1X

EXIST. 6" HP AM-620
51-11-5083(93)

24.75' Statutory Right of Way

24.75' Statutory Right of Way

55'

55'

TOC

TOC

16" W

1

PROPOSED 8"HP

EXIST. ONG R/W

EXIST. ONG R/W

4'

4'

8

STA. 43+80

ONG Right of Way Agreement
Book 835 / Page 429 & 787-788 & 790-791

SEE PROFILE
SHEET 17 OF 19

8

STA. 46+65

Book 1489 / Page 171
209th Street, LLC
6314 East 96th Street
Tulsa, OK 74457

0 10 20 40

1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

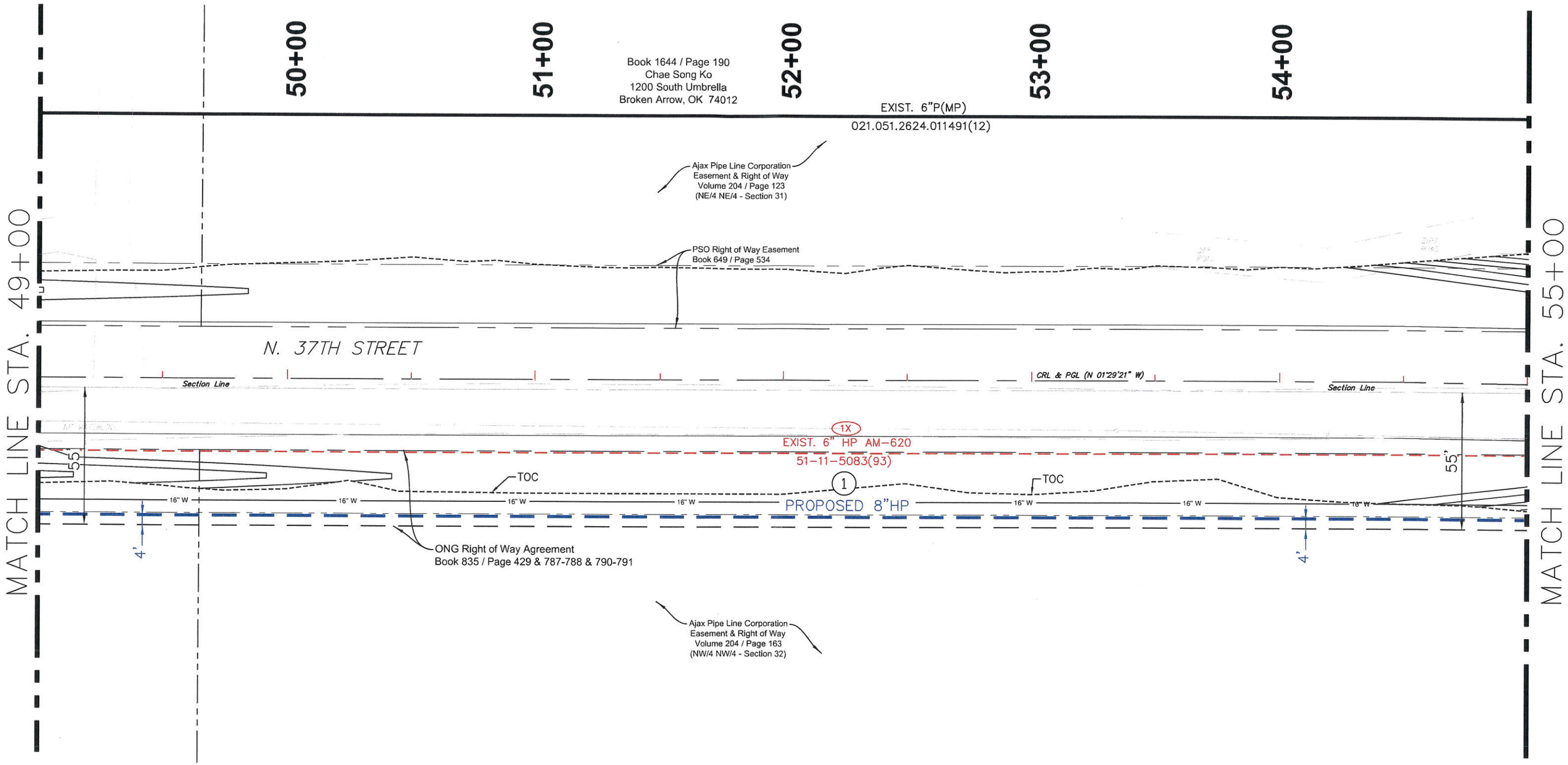
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 8 OF 19
J.O. NO.				



0 10 20 40

1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

"					"
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 9 OF 19
J.O. NO.				

56+00

57+00

58+00

59+00

60+00

Book 1644 / Page 190
Chae Song Ko
1200 South Umbrella
Broken Arrow, OK 74012

EXIST. 6"P(MP)
021.051.2624.011491(12)

Ajax Pipe Line Corporation
Easement & Right of Way
Volume 204 / Page 123
(NE/4 NE/4 - Section 31)

MATCH LINE STA. 55+00

MATCH LINE STA. 61+00

PROP. R/W

PSO Right of Way Easement
Book 649 / Page 534

PROP. R/W

EXIST. ONG R/W

24.75' Statutory Right of Way

N. 37TH STREET

CRL & PGL (N 00°54'59" W)

CRL & PGL (N 01°29'21" W)

1X
EXIST. 6" HP AM-620
51-11-5083(93)

55'

55'

24.75' Statutory Right of Way

1
PROPOSED 8"HP

16" W

16" W

16" W

16" W

16" W

16" W

16" W

16" W

PROP. R/W

EXIST. ONG R/W

EXIST. ONG R/W

PROP. R/W

4'

4'

TOC

TOC

ARV

ONG Right of Way Agreement
Book 835 / Page 429 & 787-788 & 790-791

SEE PROFILE
SHEET 18 OF 19

SEE PROFILE
SHEET 18 OF 19

Ajax Pipe Line Corporation
Easement & Right of Way
Volume 204 / Page 163
(NW/4 NW/4 - Section 32)

Book 1489 / Page 171
209th Street, LLC
6314 East 96th Street
Tulsa, OK 74457

0 10 20 40
1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

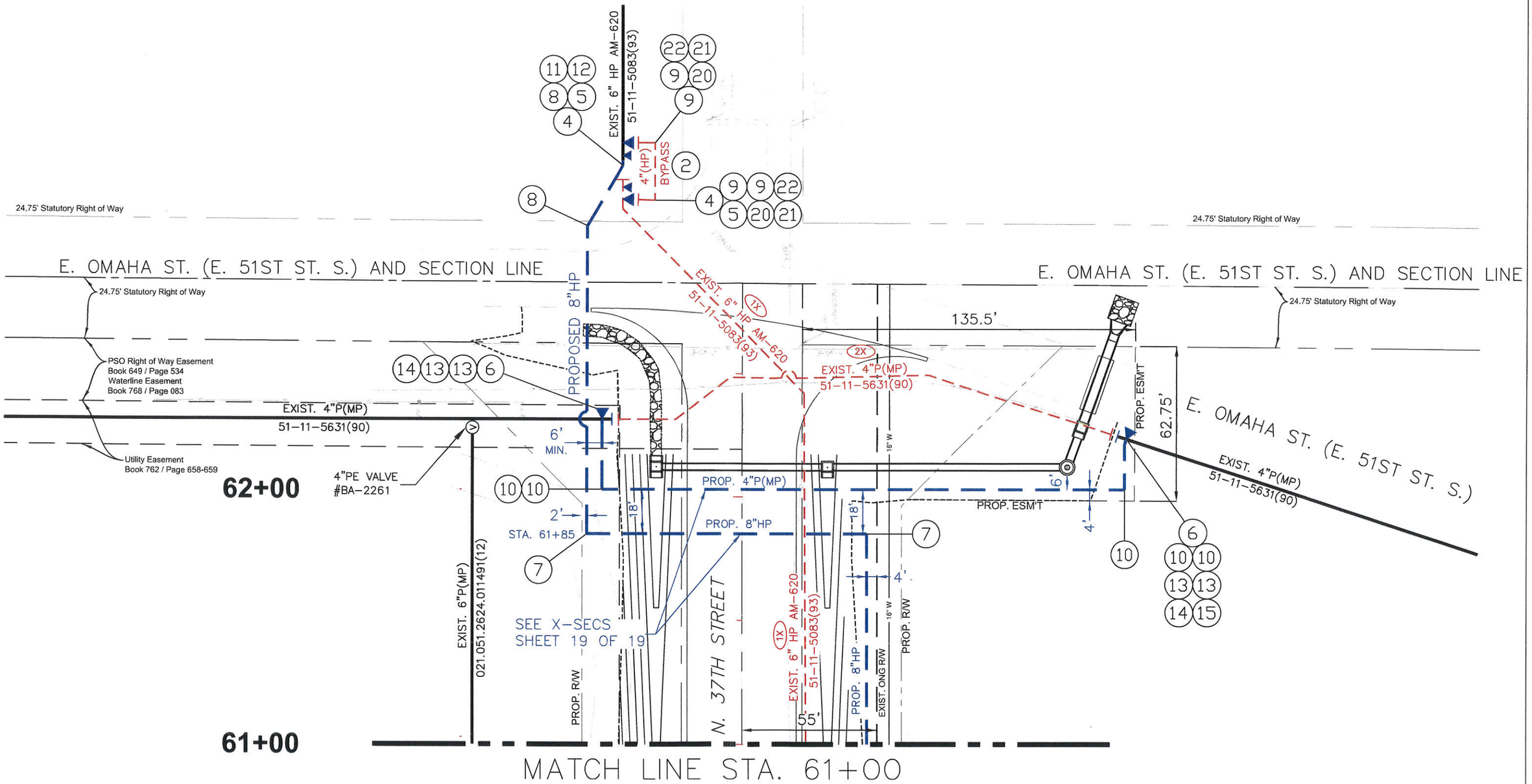
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 10 OF 19
J.O. NO.				



0 10 20 40
1" = 40'-0"

UDS No. 2011-076

Prepared By: Utility Design Services Inc.

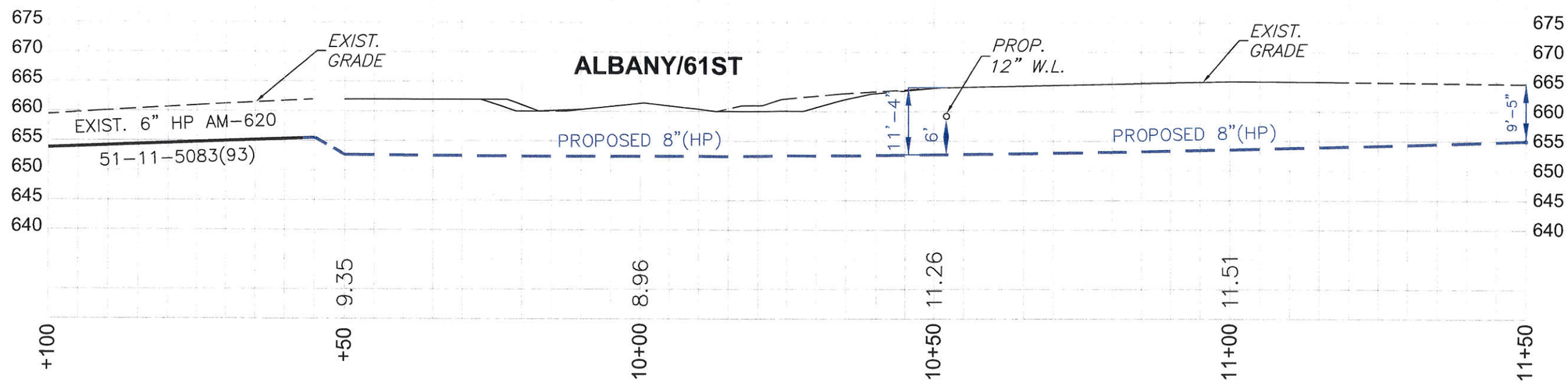
" "					
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

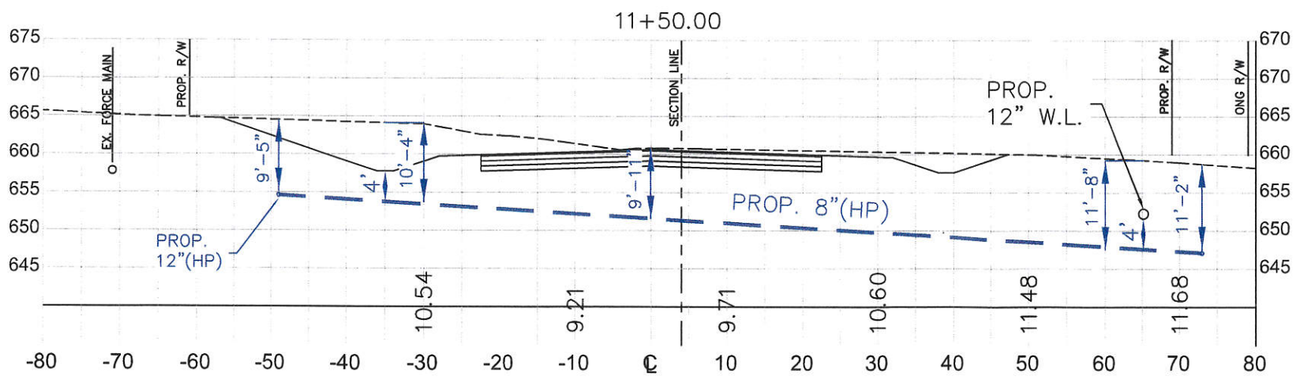
OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 11 OF 19
J.O. NO.				





UDS No. 2011-076

Prepared By: Utility Design Services Inc.

" "

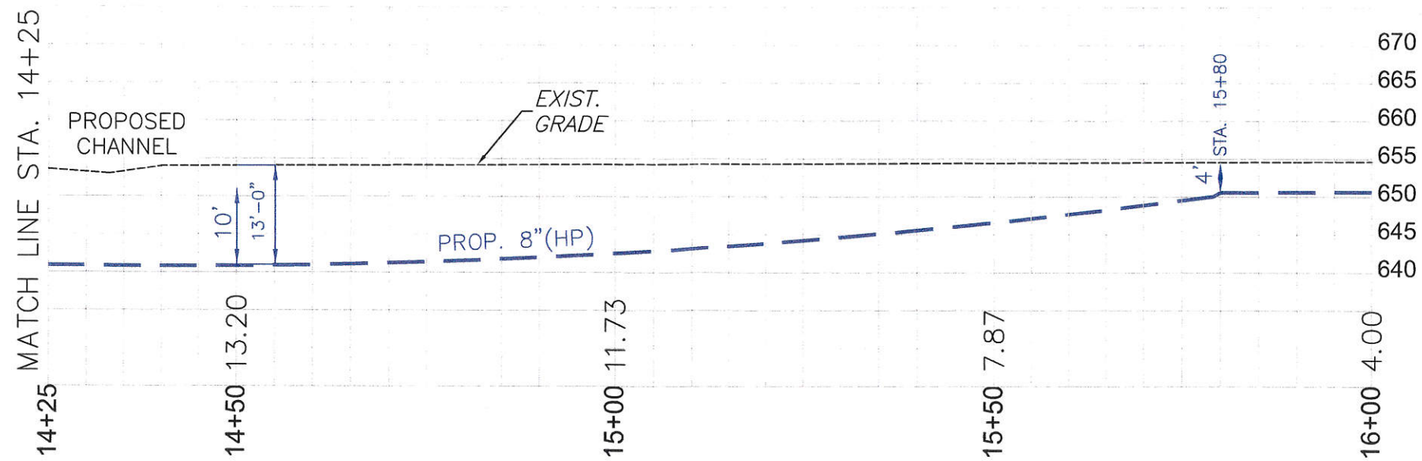
OKLAHOMA NATURAL GAS COMPANY

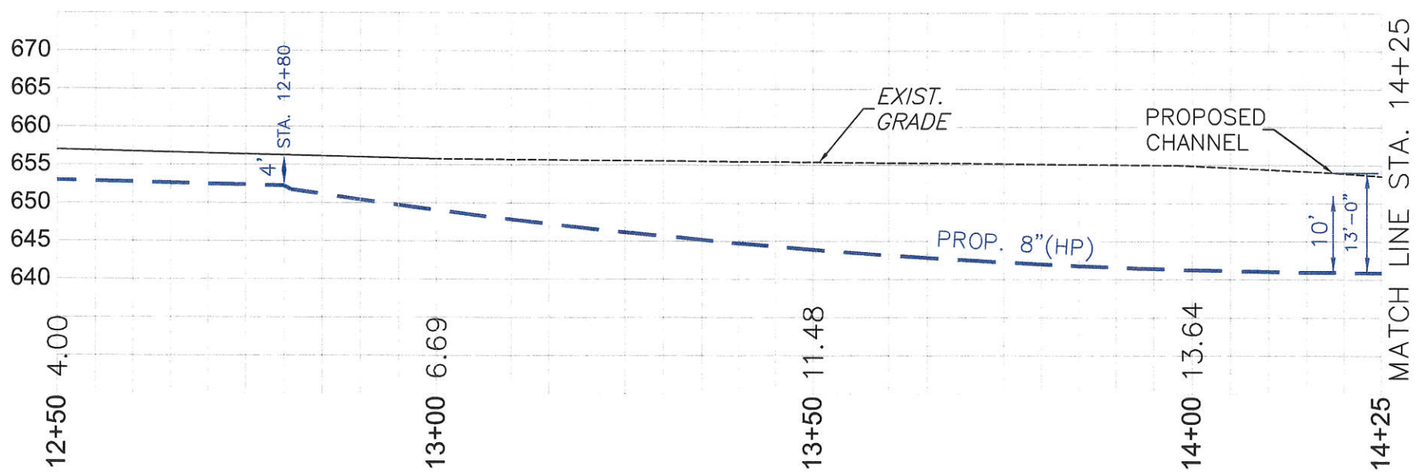
TULSA C.P.

REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 12 OF 19
J.O. NO.				





UDS No. 2011-076

Prepared By: Utility Design Services Inc.

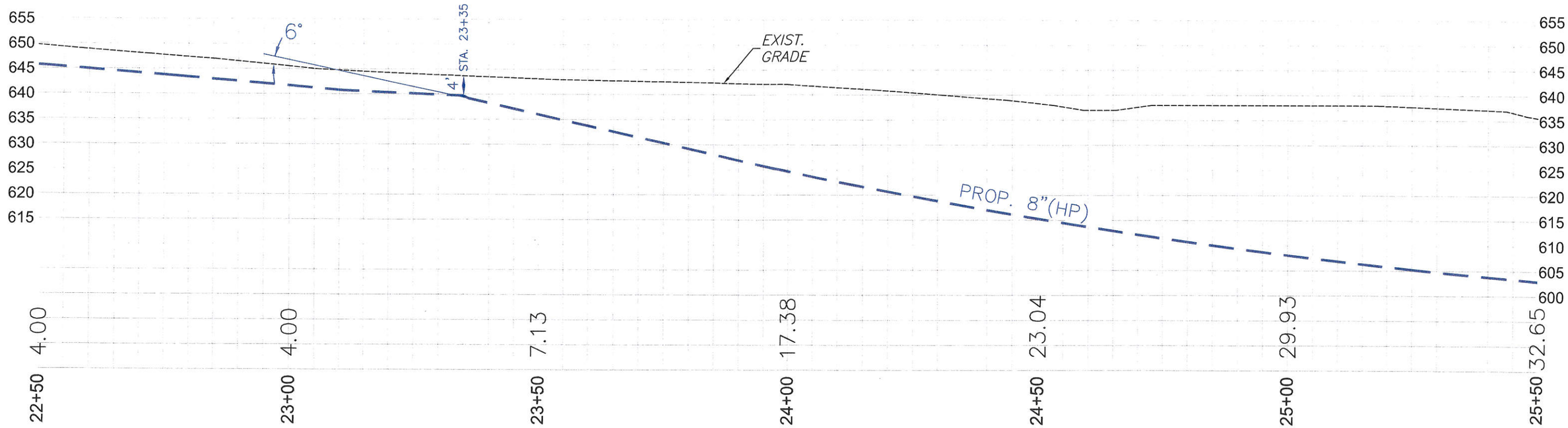
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 13 OF 19
J.O. NO.				



UDS No. 2011-076

Prepared By: Utility Design Services Inc.

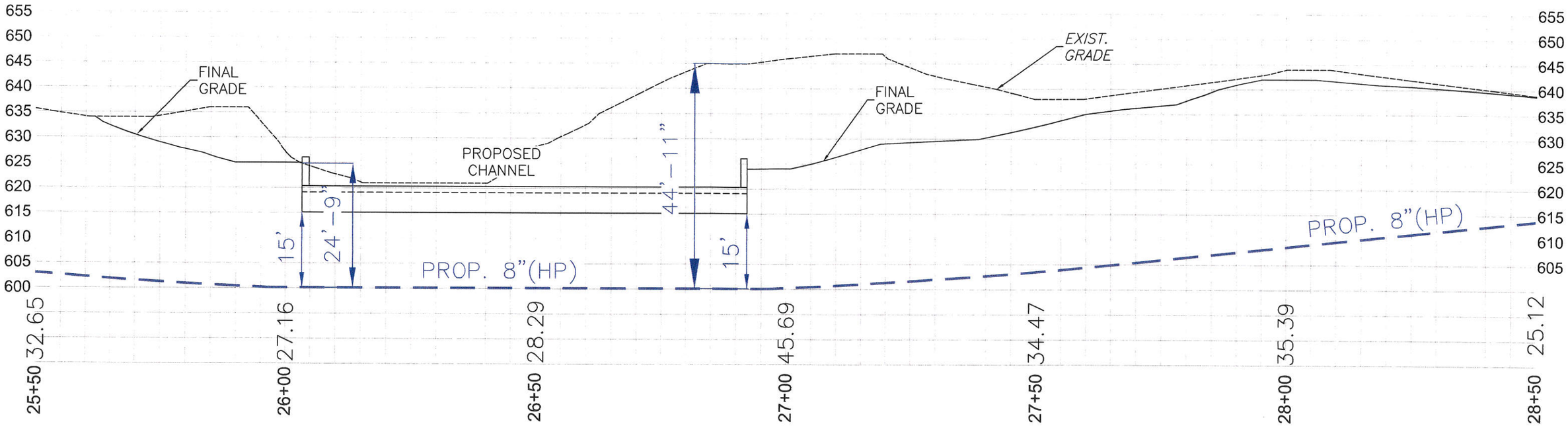
"						"
REVISED			PRINTS ISSUED			
DATE	BY	ITEM	DATE	NO.	TO	

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 14 OF 19
J.O. NO.				



UDS No. 2011-076

Prepared By: Utility Design Services Inc.

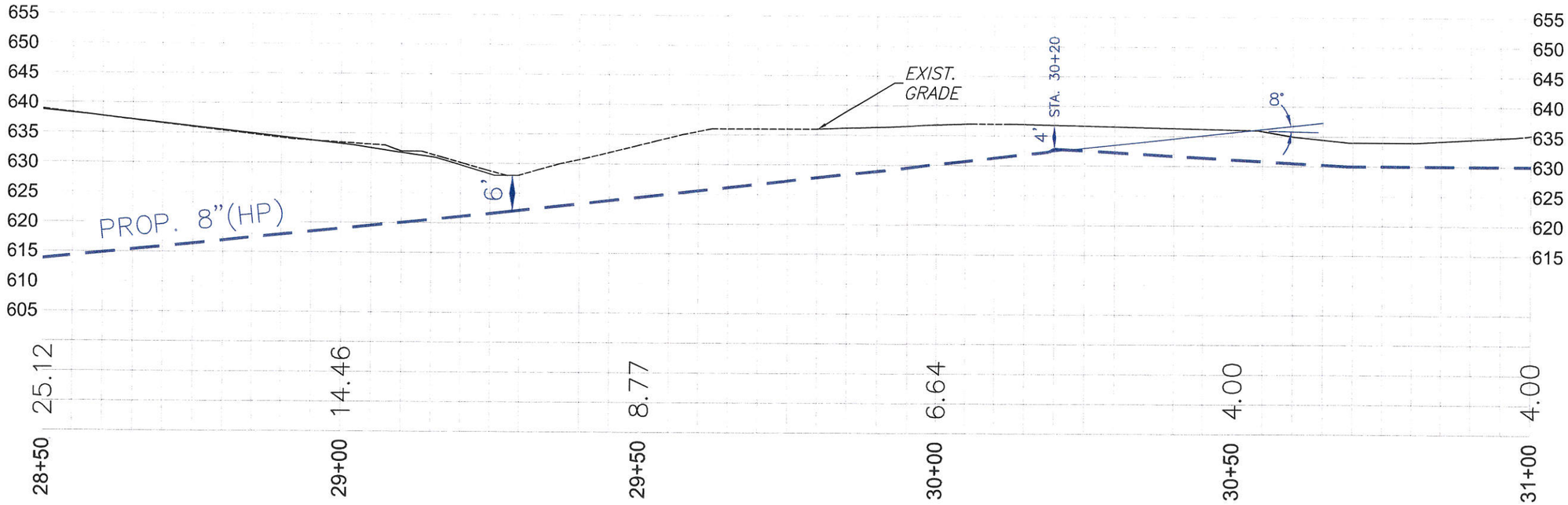
"					"
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

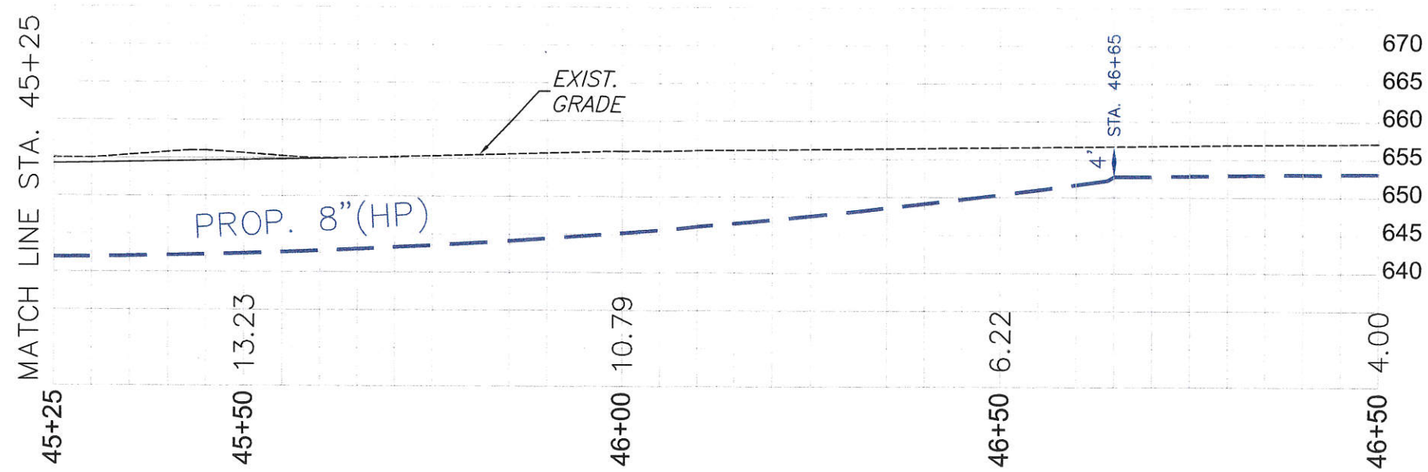
DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 15 OF 19
J.O. NO.				

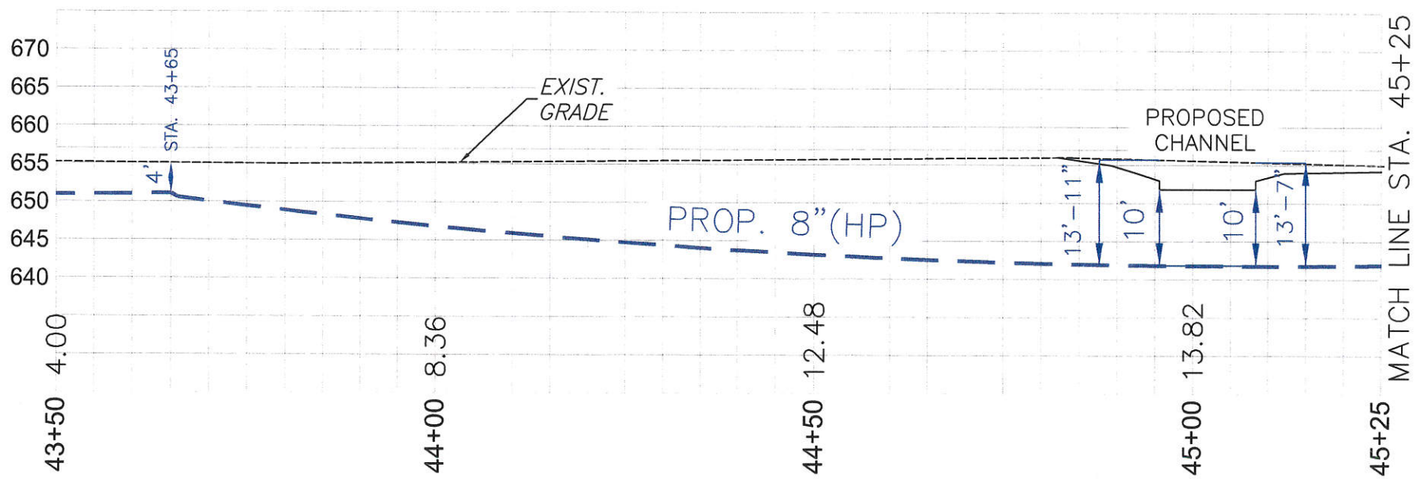


UDS No. 2011-076

Prepared By: Utility Design Services Inc.

" "						OKLAHOMA NATURAL GAS COMPANY		
REVISED			PRINTS ISSUED			TULSA C.P.		
DATE	BY	ITEM	DATE	NO.	TO	PROP. RELOCATION OF VARIOUS GAS PIPELINES 37TH STREET - OMAHA TO ALBANY CITY OF BROKEN ARROW PROJECT NO. ST1112		
						DESIGNED JM	SURVEY NONE	DATE 04-07-2017
						DRAWN UDS	FILE NO. -	SCALE AS NOTED
						CHECKED JM	DWG. NO.	SHEET NO. 16 OF 19
						J.O. NO.		





UDS No. 2011-076

Prepared By: Utility Design Services Inc.

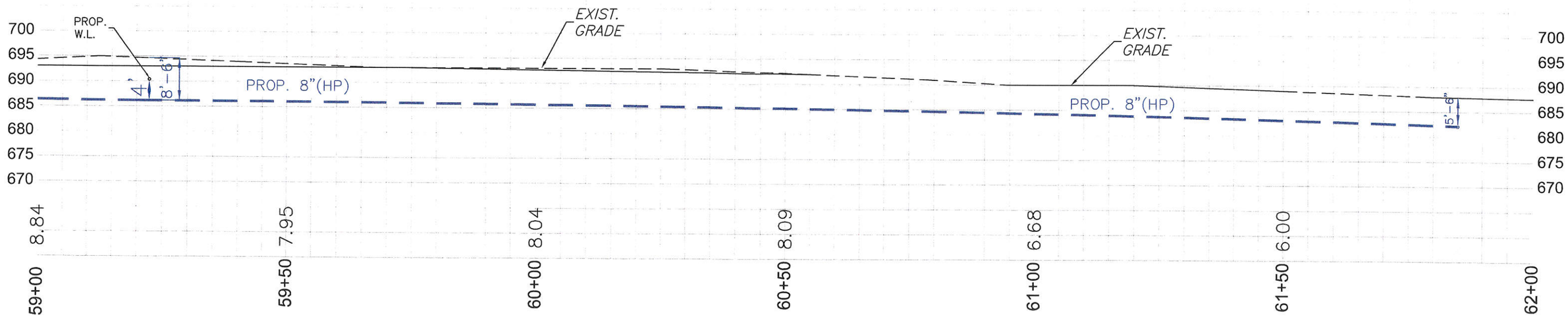
"						"
REVISED			PRINTS ISSUED			
DATE	BY	ITEM	DATE	NO.	TO	

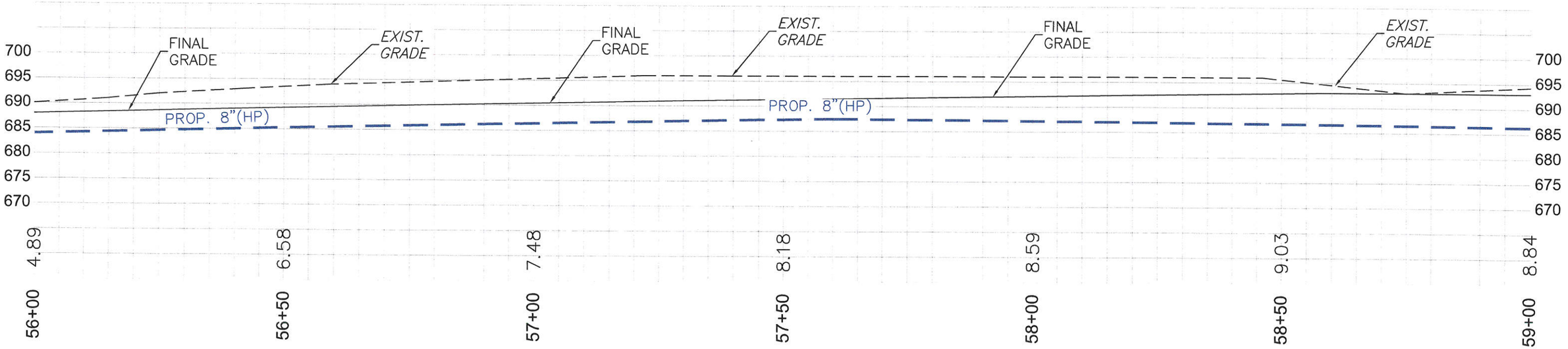
OKLAHOMA NATURAL GAS COMPANY

TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 17 OF 19
J.O. NO.				





UDS No. 2011-076

Prepared By: Utility Design Services Inc.

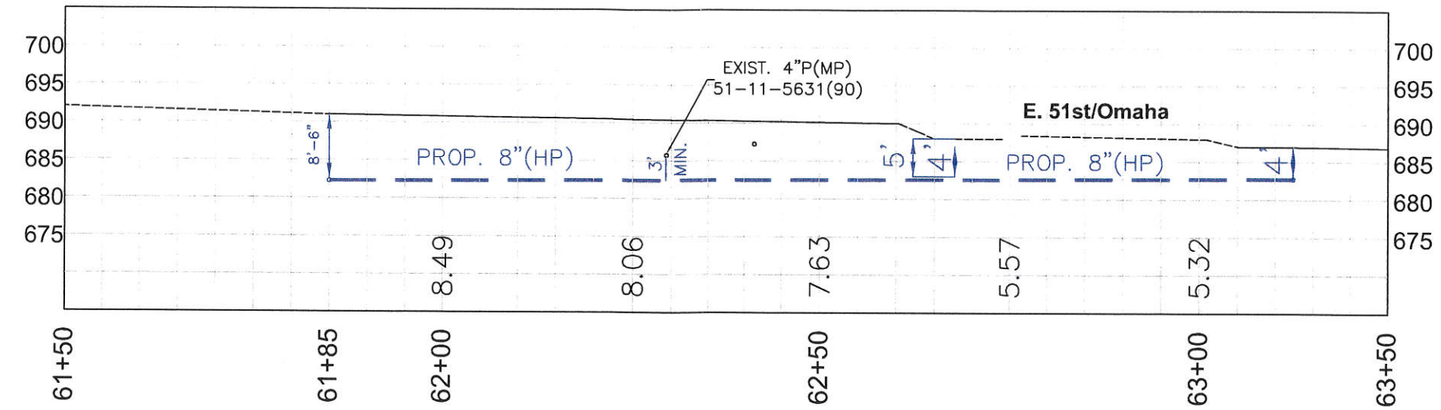
"					"
REVISED			PRINTS ISSUED		
DATE	BY	ITEM	DATE	NO.	TO

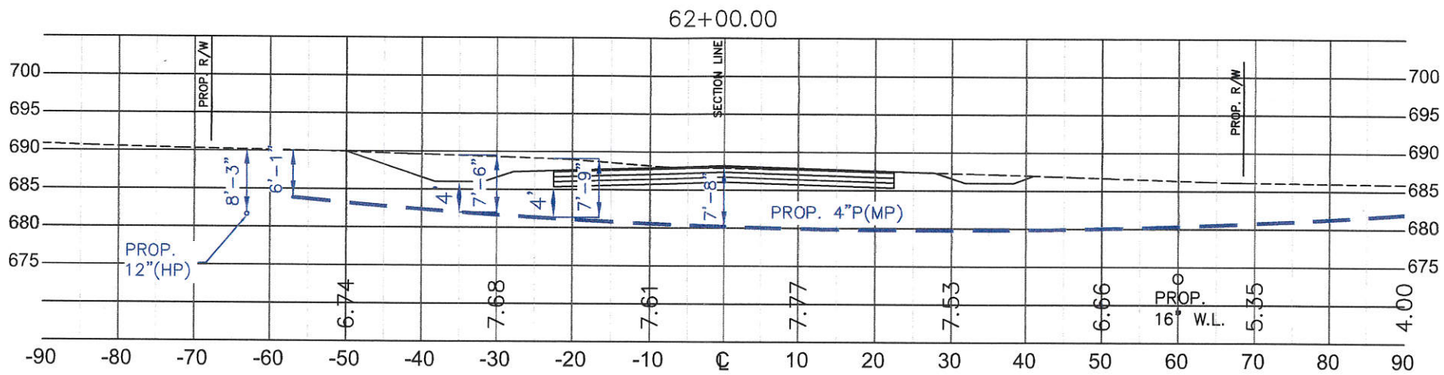
OKLAHOMA NATURAL GAS COMPANY

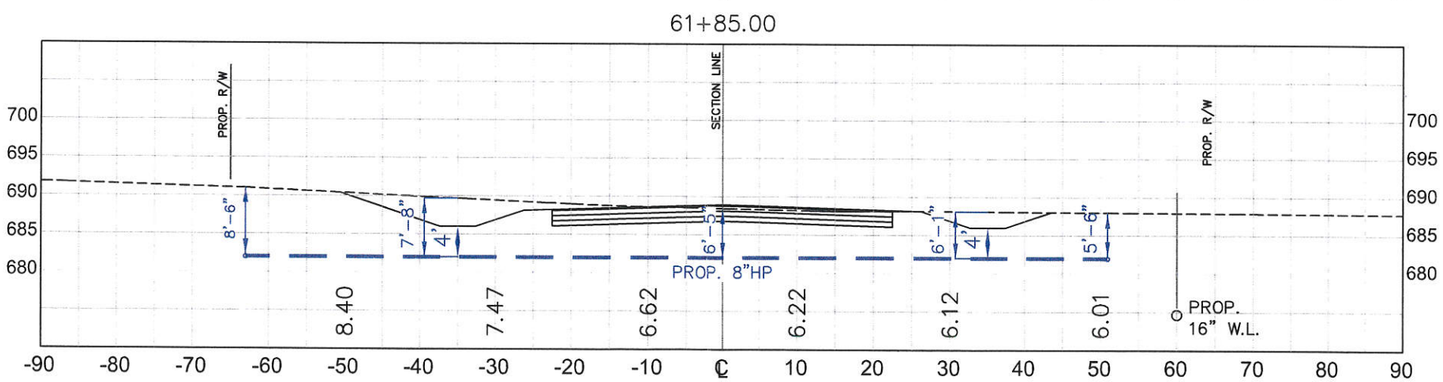
TULSA C.P.

PROP. RELOCATION OF VARIOUS GAS PIPELINES
37TH STREET - OMAHA TO ALBANY
CITY OF BROKEN ARROW PROJECT NO. ST1112

DESIGNED	JM	SURVEY	NONE	DATE 04-07-2017
DRAWN	UDS	FILE NO.	-	SCALE AS NOTED
CHECKED	JM	DWG. NO.		SHEET NO. 18 OF 19
J.O. NO.				







UDS No. 2011-076

Prepared By: Utility Design Services Inc.

" "						OKLAHOMA NATURAL GAS COMPANY		
REVISED			PRINTS ISSUED			TULSA C.P.		
DATE	BY	ITEM	DATE	NO.	TO	PROP. RELOCATION OF VARIOUS GAS PIPELINES 37TH STREET - OMAHA TO ALBANY CITY OF BROKEN ARROW PROJECT NO. ST1112		
						DESIGNED JM	SURVEY NONE	DATE 04-07-2017
						DRAWN UDS	FILE NO. -	SCALE AS NOTED
						CHECKED JM	DWG. NO.	SHEET NO. 19 OF 19
						J.O. NO.		