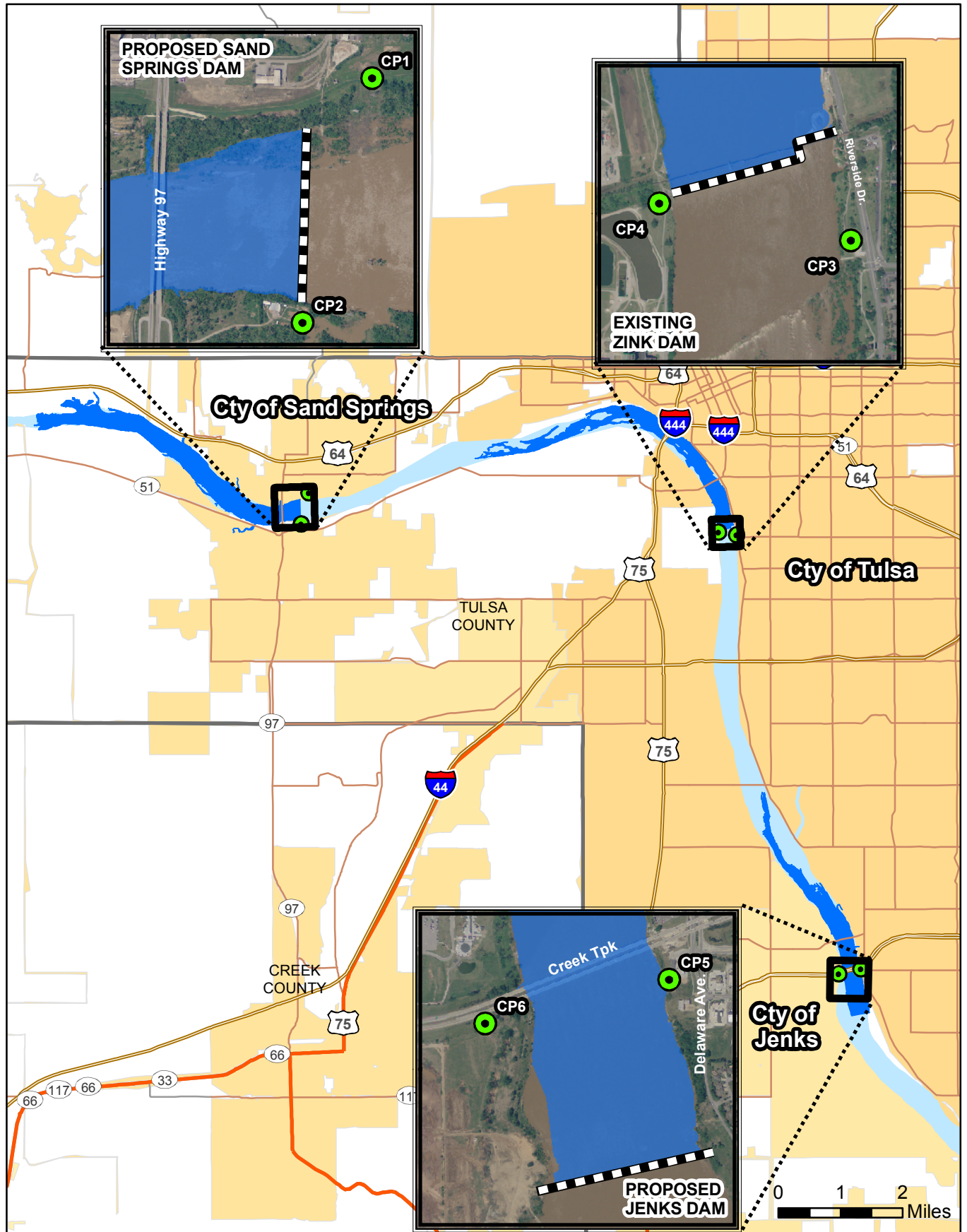




CONTROL DATA	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

Station Name: CPI			Date: JULY, 2009	Adjusted Horizontal Control Data		
Monument Type: STAMPED BRASS CAP-SET IN CONCRETE			Order: FIRST		Survey Method: GPS ☒ TRAV ☐ OTHER ☐	
City: SANDSPRINGS	County: TULSA	State: OK	Combined Scale Factor: 0.99991849			
Surveyor: P. HYDEN	Prepared by: MESHEK & ASSOCIATES		NAD83(1993) Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)	
Project Name: ARKANSAS RIVER CORRIDOR STUDY			State: OKLA. Zone: NORTH Code: 3501	N 416600.20 E 2527015.79	1°06'58"	
Distances & Directions To Prominent & Reference Marks						
Reference Point	Direction	Distance (feet)	NAD 83 Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)	
NW COR. OF CON. WALL OF TOWER	S. E.	160'	State: Zone: Code:	N E		
SE CORNER LIFT STATION	S. W.	370'	Metric Conversion Factor: 3.2808333333			
SSMH	N. W.	188'				

Description of Points:

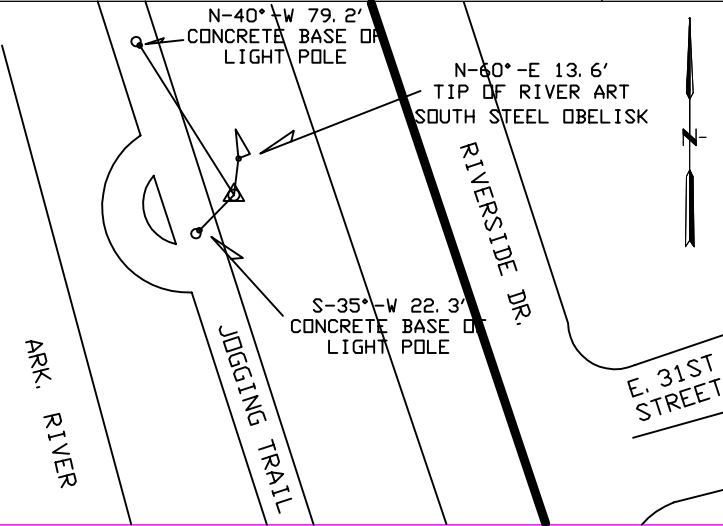
3" BRASS CAP STAMPED "MESHEK CONTROL" SET
FLUSH IN CONCRETE ON THE NORTH SIDE OF THE
ARKANSAS RIVER, ON THE CENTER OF THE LEVEE
APPROXIMATELY 800' NORTH OF THE ARKANSAS
RIVER BANK. SECTION14-19N-11E

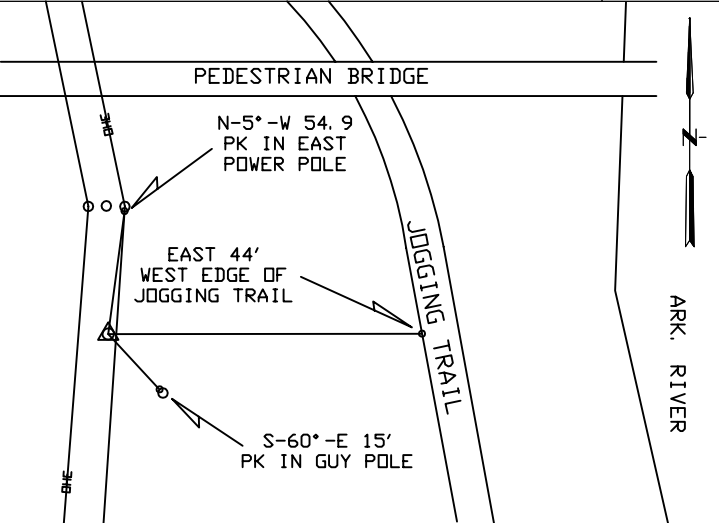
Firm Name: MESHEK & ASSOCIATES, PLC
1437 S BOULDER AVE, STE 1080
TULSA, OK 74119

Geodetic Data	Position NAD83 (1993)	☒ North	ELEV(Feet)
	Latitude 36°07' 46.218"	West	NAVD 1988 661.52
Field Sketch:			

The field sketch shows a plan view of a site. A vertical line represents the 'LEVEE'. To the left of the levee is a 'SE CORNER LIFT STATION BUILDING' (represented by a rectangle). To the right of the levee is a 'NW CORNER WALL AROUND TRANSMISSION TOWER' (represented by a square). A line connects the building to the tower, passing through a point marked with a circle. Bearings and distances are noted: 'N-50°-W 188' SSMH' from the circle to the building, 'N-80°-W 370'' from the building to the tower, and 'S-5°-E 160'' from the tower to the NW corner wall. The 'ARK. RIVER' is shown at the bottom. A north arrow is on the right.

CONTROL DATA															
Station Name: CP2		Date: JULY, 2009		Adjusted Horizontal Control Data											
Monument Type: STAMPED BRASS CAP-SET IN CONCRETE			Order: FIRST Survey Method: GPS ☒ TRAV ☐ OTHER ☐												
City: SAND SPRINGS		County: TULSA		State: OK											
Surveyor: P. HYDEN			Prepared by: MESHEK & ASSOCIATES												
Project Name: ARKANSAS RIVER CORRIDOR STUDY			NAD83(1993) Grid Data		Coordinates (U. S. Survey Feet)										
			State: OKLA. Zone: NORTH Code: 3501		Plane Azimuth Angle (Convergence)										
			N 413925.29 E 2526403.11		1°06'53"										
Distances & Directions To Prominent & Reference Marks															
Reference Point	Direction	Distance (feet)	NAD 83 Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)										
SW CORNER OF TRANS. TOWER	N. E.	520'													
SOUTH TOP OF BANK ARK RIVER	NORTH.	250'													
LIGHT POLE	S. W.	51'													
			State: Zone: Code:	N E											
			Metric Conversion Factor: 3.28083333333												
Description of Points: 3" BRASS CAP STAMPED "MESHEK CONTROL" SET FLUSH IN CONCRETE, ON THE SOUTH SIDE OF THE ARKANSAS RIVER APPROXIMATELY 20' WEST OF A CREEK BANK. SECTION 14-19N-11E			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="3" style="padding: 5px; vertical-align: middle;">Geodetic Data</td> <td colspan="2" style="padding: 5px;">Position NAD83 (1993) ☒</td> <td style="padding: 5px;">ELEV (FEET)</td> </tr> <tr> <td style="padding: 5px;">Latitude 36°07'19.888"</td> <td style="padding: 5px;">North</td> <td style="padding: 5px;">NAVD 1988</td> </tr> <tr> <td style="padding: 5px;">Longitude 96°06'39.076"</td> <td style="padding: 5px;">West</td> <td style="padding: 5px;">649.82</td> </tr> </table>			Geodetic Data	Position NAD83 (1993) ☒		ELEV (FEET)	Latitude 36°07'19.888"	North	NAVD 1988	Longitude 96°06'39.076"	West	649.82
Geodetic Data	Position NAD83 (1993) ☒		ELEV (FEET)												
	Latitude 36°07'19.888"	North	NAVD 1988												
	Longitude 96°06'39.076"	West	649.82												
Firm Name: MESHEK & ASSOCIATES, PLC 1437 S BOULDER AVE, STE 1080 TULSA, OK 74119			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 5px;">Field Sketch:</td> </tr> <tr> <td colspan="2" style="padding: 10px; text-align: center;"> The sketch shows the Arkansas River flowing from the top left towards the bottom right. A creek branches off to the right from the river. A transformer tower is located on the riverbank. A light pole is located further south. Bearings and distances are provided for the points: N-50°-E 520' to the SW corner of the transformer tower, NORTH 250' to the south top bank of the Arkansas River, and S-70°-W 51' to the 5' x 5' light pole. A north arrow is shown on the right side of the sketch. </td> </tr> </table>			Field Sketch:		The sketch shows the Arkansas River flowing from the top left towards the bottom right. A creek branches off to the right from the river. A transformer tower is located on the riverbank. A light pole is located further south. Bearings and distances are provided for the points: N-50°-E 520' to the SW corner of the transformer tower, NORTH 250' to the south top bank of the Arkansas River, and S-70°-W 51' to the 5' x 5' light pole. A north arrow is shown on the right side of the sketch.							
Field Sketch:															
The sketch shows the Arkansas River flowing from the top left towards the bottom right. A creek branches off to the right from the river. A transformer tower is located on the riverbank. A light pole is located further south. Bearings and distances are provided for the points: N-50°-E 520' to the SW corner of the transformer tower, NORTH 250' to the south top bank of the Arkansas River, and S-70°-W 51' to the 5' x 5' light pole. A north arrow is shown on the right side of the sketch.															

CONTROL DATA					
Station Name: CP3		Date: JULY, 2009		Adjusted Horizontal Control Data	
Monument Type: STAMPED BRASS CAP-SET IN CONCRETE			Order: FIRST		Survey Method: GPS ☒ TRAV ☐ OTHER ☐
City: TULSA		County: TULSA		State: OK	
Surveyor: P. HYDEN			Prepared by: MESHEK & ASSOCIATES		
Project Name: ARKANSAS RIVER CORRIDOR STUDY			NAD83(1993) Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)
Distances & Directions To Prominent & Reference Marks			State: OKLA. Zone: NORTH Code: 3501	N 413636.69 E 2563435.74	1°11'19"
Reference Point		Direction		Distance (feet)	
CONCRETE BASE OF LIGHT		S. W		22.3'	
TIP OF OBELISK STRUCTURE		N. E		13.6'	
CONCRETE BASE OF LIGHT		N. W		79.2'	
			NAD 83 Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)
			State: Zone: Code:	N E	
Metric Conversion Factor: 3.2808333333					
Description of Points: 3" BRASS CAP STAMPED "MESHEK CONTROL" SET FLUSH IN CONCRETE, APPROXIMATELY 250' NORTHWEST OF INTERSECTION AT E. 31ST STREET AND RIVERSIDE DRIVE, EAST OF JOGGING TRAIL NEAR THE EAST BANK OF THE ARKANSAS RIVER. SECTION13-19N-12E			Geodetic Data	Position NAD83 (1993) ☒ ELEV(FEET) Latitude 36°07'09.673" North NAVD 1988 Longitude 95°59'07.842" West 633.72	
Firm Name: MESHEK & ASSOCIATES, PLC 1437 S BOULDER AVE, STE 1080 TULSA, OK 74119			Field Sketch: 		

CONTROL DATA					
Station Name: CP4		Date: JULY, 2009		Adjusted Horizontal Control Data	
Monument Type: STAMPED BRASS CAP-SET IN CONCRETE			Order: FIRST		Survey Method: GPS ☒ TRAV ☐ OTHER ☐
City: TULSA		County: TULSA		State: OK	
Surveyor: P. HYDEN			Prepared by: MESHEK & ASSOCIATES		
Project Name: ARKANSAS RIVER CORRIDOR STUDY			NAD83(1993) Grid Data		Coordinates (U. S. Survey Feet)
			State: OKLA. Zone: NORTH Code: 3501		Plane Azimuth Angle (Convergence)
			N 413848.99 E 2561912.94		1°11'08"
Distances & Directions To Prominent & Reference Marks			NAD 83 Grid Data		Coordinates (U. S. Survey Feet)
Reference Point	Direction	Distance (feet)	State: Zone: Code:		Plane Azimuth Angle (Convergence)
PK IN GUY POLE	S. E	15'	N		
WEST EDGE OF JOGGING TRAIL	EAST	44'	E		
PK IN EAST POWER POLE	N. W	54.9'			
			Metric Conversion Factor: 3.28083333333		
Description of Points: 3" BRASS CAP STAMPED "MESHEK CONTROL" SET FLUSH IN CONCRETE, APPROXIMATELY 200' SOUTH OF PEDESTRIAN BRIDGE OVER ARKANSAS RIVER ON THE WEST BANK. SECTION13-19N-12E			Geodetic Data		Position NAD83 (1993) ☒ ELEV(FEET)
			Latitude 36°07'12.084"		North NAVD 1988
			Longitude 95°59'26.346"		West 631.27
Firm Name: MESHEK & ASSOCIATES, PLC 1437 S BOULDER AVE, STE 1080 TULSA, OK 74119			Field Sketch: 		

CONTROL DATA									
Station Name: CP5			Date: JULY, 2009		Adjusted Horizontal Control Data				
Monument Type: STAMPED BRASS CAP-SET IN CONCRETE			Order: FIRST		Survey Method: GPS ☒ TRAV ☐ OTHER ☐				
City: JENKS		County: TULSA	State: OK		Combined Scale Factor: 0.99992376				
Surveyor: P. HYDEN		Prepared by: MESHEK & ASSOCIATES		NAD83(1993) Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)			
Project Name: ARKANSAS RIVER CORRIDOR STUDY				State: OKLA. Zone: NORTH Code: 3501	N 376913.79 E 2574686.76	1°12'35"			
Distances & Directions To Prominent & Reference Marks									
Reference Point	Direction	Distance (feet)	NAD 83 Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)				
SW CORNER OF TRANSFORMER PAD	N. E.	51.1'							
SW CORNER OF BUILDING	N. E.	91'							
EAST BANK OF ARKANSAS RIVER	WEST	50'							
			State: Zone: Code:	N E					
				Metric Conversion Factor: 3.2808333333					
Description of Points: 3" BRASS CAP STAMPED "MESHEK CONTROL" SET FLUSH IN CONCRETE, SOUTH OF THE CREEK TURNPIKE, APPROXIMATELY 300' WEST OF S. DELAWARE AVE NEAR EAST BANK OF ARKANSAS RIVER. SECTION20-18N-13E			Geodetic Data Position NAD83 (1993) ☒ ELEV(FEET) Latitude 36°01'04.252 North NAVD 1988 Longitude 95°57'00.185 West 618.44		Field Sketch:				
Firm Name: MESHEK & ASSOCIATES, PLC 1437 S BOULDER AVE, STE 1080 TULSA, OK 74119									

CONTROL DATA						
Station Name: CP6		Date: JULY, 2009		Adjusted Horizontal Control Data		
Monument Type: STAMPED BRASS CAP-SET IN CONCRETE			Order: FIRST	Survey Method: GPS ☒ TRAV ☐ OTHER ☐		
City: JENKS	County: TULSA	State: OK	Combined Scale Factor: 0.99992380			
Surveyor: P. HYDEN		Prepared by: MESHEK & ASSOCIATES		NAD83(1993) Grid Data	Coordinates (U. S. Survey Feet)	
Project Name: ARKANSAS RIVER CORRIDOR STUDY				State: OKLA. Zone: NORTH Code: 3501	Plane Azimuth Angle (Convergence)	
Distances & Directions To Prominent & Reference Marks						
Reference Point	Direction	Distance (feet)				
PK NAIL SET IN POWER POLE	SOUTH	14.8'				
SW CORNER OF BRIDGE	N. E.	129'				
S. EDGE OF CONCRETE SHOULDER	N. W.	85'				
			NAD 83 Grid Data	Coordinates (U. S. Survey Feet)	Plane Azimuth Angle (Convergence)	
			State: Zone: Code:	N E		
			Metric Conversion Factor: 3.2808333333			
Description of Points: 3" BRASS CAP STAMPED "MESHEK CONTROL" SET FLUSH IN CONCRETE, SOUTH OF THE CREEK TURNPIKE, APPROXIMATELY 129' SW OF BRIDGE OVER THE ARKANSAS RIVER ON WEST SIDE AT THE LEVEE. SECTION29-18N-13E			Geodetic Data	Position NAD83 (1993) ☒	ELEV(FEET)	
			Latitude 36°01'00.253"		North	NAVD 1988
			Longitude 95°57'23.131"		West	618.60
			Field Sketch:			
			The field sketch shows a plan view of the survey area. A north arrow points towards the top right. A line labeled 'CREEK TURNPIKE' runs diagonally from the top left towards the center. Below it, a line represents the 'SW CORNER OF BRIDGE'. A point is marked with a circle and labeled 'N-30°-E 129' SW CORNER OF BRIDGE'. From this point, a line goes 'N-18°-W 85' TO SOUTH EDGE OF CONCRETE SHOULDER'. Another line goes 'SOUTH 14.8' PK NAIL IN POWER POLE'. The 'ARK. RIVER' is shown as a vertical line on the right side of the sketch.			
Firm Name: MESHEK & ASSOCIATES, PLC 1437 S BOULDER AVE, STE 1080 TULSA, OK 74119						