

JAMES R. WILLIS, P.E.
1820 S. THIRD
BLACKWELL, OKLAHOMA 74631

Phone: (580)363-0158
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PROFESSIONAL ENGINEERING SERVICE

DATE October 5, 2003

INVOICE NO. 039

Sept

TO: City of Blackwell

P. O. Box 350

Blackwell, OK 74631

Attn: Sally Norris, City Manager

DATE	DESCRIPTION OF WORK	AMOUNT
September 1 through September 30, 2003	See HIGHLIGHTS, September 2003 and Detail Sheets enclosed.	
MONTH TOTALS:		
	City, Municipal Authority: 94.25 Hours @ \$33.00..... <i>001-519-211</i>	\$3,110.25
	Phelps-Dodge:..... <i>131-500-336</i> 11.0 Hours @ \$33.00	\$ 363.00
	Municipal Pool Inspection: 39.750 Hours @ \$33.00..... <i>Loan to pay.</i>	\$1,311.75
	TOTAL	\$4,785.00

New loan to pay

Submitted by:

James R. Willis
James R. Willis, P.E.


Date 10/5/2003

WORK UPGRADE OF MEMORIAL PARK POOL

<u>September 2003</u>	<u>Hours</u>
9/2 - Inspection, electrical and plumbing	1.50
- Research, ditto	1.00
- Letter to Rod Wohl of Younger, re: pool circuit diagram	0.50
9/3 - w/ Scott (of Younger) at pool	1.25
9/4 - At pool, w/Plumbers, column problem	1.00
- w/Perry (ditto)	0.25
- Memo to Perry, re: questions	3.25
- At pool, check, re: questions	0.75
9/5 - Sketch dimensions taken 9/4	0.75
- w/Scott, re: grounding pool rebar	0.50
9/8 - w/ G. Sixkiller, re: grounding	0.50
9/9 - At pool w/Perry and Clarence, re: plumbing changes	1.50
9/10 - Review status	1.00
9/11 - At pool w/Scott	1.00
- Compile electrical info for Younger	3.00
9/15 - At pool w/Scott	0.75
- Phone w/Doug Tapp; later memo	1.00
9/16 - Review drawings	1.00
- Inspect ground system at pool w/Sixkiller and Johns; review drawings	1.75
- Review work; memo to PSA	1.00
9/17 - General Inspection	0.75
9/18 - Review gas line, drinking fountain, lighting information	1.25
9/19 - At Pool w/Brian Wiseman	0.75
- Review pool with Perry (T/C)	1.00
9/22 - At pool w/Clarence and Scott	0.50
- FAX to Lambert & PSA; re: Drinking Fountain	0.50
9/24 - General Inspection	1.00
- Review drawings	1.00
9/25 - Review plumbing submittals	0.25
- At pool and call Locke, re: water heaters	1.50
- Write new specs - DF & WH	1.50
9/26 - Review plumbing submittals; at pool	1.50
- Plumbing submittals to Perry	1.00
9/29 - Check gutter grounding info from Lambert	0.75
- T/C to Mac Stromberg; re: gutter grounding	0.50
- T/C to Gutter Contractor; re: gutter grounding	0.25
- Letter and sketch to Lambert; re: gutter grounding	2.00
9/30 - At pool w/Clarence; re: gutter grounding and low drains	0.50

Total 39.75
@ \$33/Hour \$ 1,311.75

Submitted by:


James R. Willis, P.E.

10/5/03
Date

MONTHLY HOUR TIME TALLY

MONTH SEPT. YEAR 2003

	CITY	PDC	(POOL) SPECIAL	CUMULATIVE		
				CITY	PDC	OTHER
M 1						
T 2	9.00		3.00			
W 3	1.75		1.25			
TH 4	3.75		5.25			
F 5	4.00		1.25			
S 6						
S 7						
M 8	6.25		0.50			
T 9	3.00	0.75	1.50			
W 10	2.50		1.00			
TH 11	4.00	1.75	4.00			
F 12	2.25	0.50				
S 13						
S 14						
M 15	6.25		1.75			
T 16	4.50	0.50	3.75			
W 17	7.00		0.75			
TH 18	0.75	7.0	1.25			
F 19	0.75		1.75			
S 20						
S 21	6.00					
M 22	4.00		1.00			
T 23						
W 24	7.25	0.50	2.00			
TH 25	6.75		3.25			
F 26	2.50		2.50			
S 27						
S 28						
M 29	2.75		3.50			
T 30	9.25		0.50			
31						
	94.25	11.00	39.75			

SPECIALS; DESCRIPTION OF:

OTHER:

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



2003
MONTH SEPT WORK TIME LOG - JAMES R. WILLIS

DAY	FERGUSON AVE PAVEMENT + WATER LINE	STORM DAMAGED SITES (FEMA WORK)	INSPECTIONS: (a) DILAPIDATED (b) ELEC (c) PLBG	ADA RAMP AT P.D.	KRA SITUATION	MEETINGS: COMM MFG (a) PLANNING COMM. (b)	
1							
2	1.50	1.00	(a) 2.0			(a) 1.50 (b) 3.00	9.0
3	0.75			0.75			1.5
4	2.50			1.25			3.75
5	3.50			0.50			4.0
6							
7							
8	2.50			1.00	1.5		5.0
9	1.50	1.00					2.5
10	2.00						2.0
11	1.25						1.25
12	2.25						2.25
13							
14							
15	2.25	4.00					6.25
16	0.75	1.25	(b) 1.5			(b) 0.5	4.00
17	1.50	2.50		0.25			4.25
18		0.75					0.75
19	0.75						0.75
20							
21				6.00			6.0
22	3.00			1.00			4.0
23							
24	0.50	0.25		0.50			1.25
25	1.25	0.50		1.00		(b) 2.0	4.75
26	1.00	0.50					1.50
27							
28							
29		0.50					0.50
30	3.50*			2.00			5.50
31							
TOTALS	32.25	11.25	3.50	14.25	1.50	7.0	

* 2.75 HRS ON GROUND WATER @ BOX CULVERT

2003

MONTH SEPT WORK TIME LOG - JAMES R. WILLIS

DAY	INVOLVEMENT w/ USFOS	JOURNAL TRIBUNE EFFLUENT	INVOLVEMENT w/ OICC (EFFLUENT DESIGNATIONS)	DRAINAGE SITUATION - MASSEY	WITH SJN	MAIL + RECORD ACCURATE INFO	
1							
2							
3						(M) 0.25	0.25
4							
5							
6							
7							
8	0.25					(ACC) 1.00	1.25
9		0.50					0.50
10						(M) + (ACC) 0.50	0.50
11		0.50			2.25		2.75
12							
13							
14							
15							
16					0.50		0.50
17			2.25			(M) + (ACC) 0.50	2.75
18							
19							
20							
21							
22							
23							
24				6.00			6.00
25				1.50		(M) 0.50	2.00
26					1.00		1.00
27							
28							
29				0.75		(M) + (ACC) 0.50	1.25
30						(M) 0.25	0.25
31							
TOTALS	0.25	1.0	2.25	8.25	3.75	3.50	

2003

MONTH SEPT WORK TIME LOG - JAMES R. WILLIS

DAY	GLOBE REFINERY SITUATION	FLAGPOLE PROJECT	REPAIR FLAT FILE IN FC			
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	1.00	0.50	0.50			2.0
30	3.50					3.50
31						
TOTALS	4.50	0.50	0.50	TOTAL = 94.25	HRS	

TUES, SEPT. 2, '03

WED., SEPT. 3

0800-0900 - RESEARCH WATER LINE @ 13th / FERGUSON w/ BELAIR & FHC	1.0
0900-0930 - w/ PAUL, RE: FERGUSON	0.5
0930-1030 - INSPECT DILAPS @ 718 W. BLK WIL & 415 W. DEWEY	1.0
1030-NOON - AT POOL - RE: ELEC + PLBG	(1.5)
1300-1400 RESEARCH PLBG & ELEC - POOL	(1.0)
1400-1500 TAKE BIDS - RE: FEMA DAMAGED SITES - DISCUSS SAME	1.0
1500-1600 REPORTS OF DILAPS	1.0
1600-1830 - PREP FOR PLANNING COMM MEETING	2.5
1830-1900 - PLNG COMM MTS	0.5
1900-2030 - CITY COMM MTS	1.5
2030-2100 - LETTER TO ROD WAHL OF YOUNGER, RE: POOL CIRCUIT DIAG.	(0.5)
TOTAL	12.0

NO PRE MEETING

0900-0945 - w/ PAUL LAWRENCE, RE: FERGUSON AVE	0.75
0945-1000 - MAIL	0.25
1000-1115 - w/ SCOTT RICHARDSON (OF YOUNGER) @ POOL	(1.25)
1115-1200 - w/ STN - RE: ADA RAMP @ P.D.	0.75
TOTAL	3.0

THURS. SEPT 4

0900-0930 - DITTO - RAMP	0.50
0930-1000 - w/ PAUL L. - FERGUSON	0.5
1000-1030 - @ HSE - GAS LINE	
1030-1115 - AT FERGUSON w/ PAUL & WATER CREW	1.25
1115-NOON - REVIEW NOTES OF FERGUSON	0.75
1315-1415 - AT POOL - w/ PLBRS - RE: COLUMNS PROBLEM	(1.0)
1415-1430 - w/ PERRY, ditto	(0.25)
1430-1515 - w/ STN, RE - POOL + FERGUSON + ADA RAMP	0.75
1515-1830 - MEMO TO PERRY, RE: POOL QUESTIONS	(3.25)
1830-1915 - AT POOL	(0.75)
TOTAL	9.0

FRIDAY, SEPT. 5

0900-1130 - AT FERGUSON ~ RE: CUT IN H ₂ O LINE	2.5	1430-1500 - COMPOSE NOTICE FOR JOURNAL, RE: DISCOLORED H ₂ O	0.5
1130-1200 - RECORD NOTES OF CUT IN.	0.5	2000-2030 SET UP DRAFT'S OF PD ADA RAMP (INCLUDES DUG PICKUP & CONV. W/ PERRY)	0.5
1330-1415 - SKETCH DIMENSIONS OF POOL TAKEN 9/4	0.75	2030-2100 - W/ SJN - RE: PD-ADA THEN CALL GARY WALLER	0.5
1415-1445 - STUDY P.D. ADA RAMP	0.5	2100-2200 - RECORD ACCURATE DATA	1.0
1445-1515 - W/ SCOTT & YOUNGER ~ AT POOL, RE: GROUND'G OF POOL REBAR	0.5	2200-2215 - MEMO TO RUNDLE - RE: ACCURATE DATA	0.25
1515-1545 - REVIEW PIPING SUBMITTALS FROM S.W. WATER WORKS (FERGUSON)	0.5		
TOTAL	5.25	TOTAL	6.75

Monday 9/8/03

0900-0930 - W/ PAUL L. RE: DIRTY H ₂ O PROBLEM - FERGUSON	0.5
0930-1030 - W/ FRED B. & PAUL - DITTO	1.0
1030-NOON - SPEC COMM MTG RE: KRA	1.5
1330-1400 W/ SJN - RE: DIRTY H ₂ O	0.5
1400-1430 - W/ GILLER - RE: POOL ELEC	0.5

TUES. 9/9/03

0900-1030 - AT POOL W/ PERRY & CLARENCE - RE: PLBG CHGS	1.5
1030-1115 - W/ PAUL @ FERGUSON, RE: WATERLINES & CURB/GUTTER	0.75
1115-1200 - W/ MELISSA @ INTEGRAL	0.75
1330-1430 - MEMO TO SJN - RE: FEMA WORK (RUDY)	1.0
1430-1515 - REVIEW FERGUSON RE: WATERLINE	0.75
1515-1545 - W/ SJN - RE: JOURNAL + WWTP TESTS	0.5
TOTAL	5.25

WED. 9/10/03

0900 - 0930 - MAIL + ACCURATE 0.5
 0930 - 1000 - REVIEW POOL STATUS (0.5)
 1000 - 1200 - MONTHLY MEET'G WY RUDY - RE: FERGUSON WY JAY MORVAY, PAUL LAWRENCE, FRED BELAIR 2.0
 1300 - 1330 - POOL - REVIEW (0.5)
 TOTAL 3.5

FRIDAY 9/12/03

1015 - 1045 - WY SJN & BRIAN, RE: EXCAVATION/HAUL OF SUSPECT MAT'L FROM FERGUSON PROJECT SITE (0.5) *

1045 - 1130 - REVIEW RUDY CONTRACT 0.75

1230 - 1300 - AT FERGUSON SITE RE: TAPS TO RED CROSS & HOSPITAL MICE BLDG 0.5

1300 - 1345 - REVIEW RUDY CONTRACT 0.75

1415 - 1430 - DITTO 0.25

TOTAL 2.75

THURS. 9/11/03

0900 - 1000 - AT POOL WY YOUNGER (1.0)
 1000 - 1030 - PHO CALL TO BRIAN IN TULSA - RE: PHELPS - DODGIE (0.5)
 1030 - 1100 - [REDACTED] 0.5
 1100 - 1130 - [REDACTED] 0.5
 1130 - 1145 - [REDACTED] 0.5
 1145 - 1200 - [REDACTED] 0.5
 1200 - 1400 - [REDACTED] 0.5
 1400 - 1415 - [REDACTED] 0.5
 1415 - 1430 - WY TODD MARTIN OF INTEGRAL (0.25)
 1430 - 1515 - WY ED HUMPHREY (0.75)
 1515 - 1530 - AT FERGUSON SITE 0.25
 2015 - 2230 - WY SJN - ALL PROJ. 2.25
 2230 - 0130 - POOL (ELEC. INFO TO BUNGER) (3.0)
 TOTAL 9.75

MONDAY 9/15/03

1000 - 1045 - AT POOL WY ELECTRICIAN (0.75)
 1045 - 1130 - FERGUSON WY PAUL LAWRENCE 0.75
 1300 - 1400 - FERGUSON WY LAWRENCE/FRED HOLLADAY/WAYNE - RE: DRAINAGE @ 9th 1.0
 1400 - 1500 - WY WAYNE & L.B. CONRAD ~ RE: CHESTNUT 1.0
 1500 - 1530 - WY DOUG TAPP UPDATE - POOL (0.5)
 1530 - 1630 - WY WAYNE & FRED UPDATE - RE: CONRAD 0.5
 1630 - 1700 - WY SJN/WAYNE RE: 4TH ST FILL 0.5
 1700 - 1730 - MEMO - POOL UPDATE (CONT'D) (0.5)

MONDAY 9/15/03 (CONT'D)		WED. 9/17/03	
2130-2400 - PREP MEMO ~ COSTS By RYAN ~ RE: CHESTNUT	2.5	0930-1000 - MAIL + ACCURATE INFO	0.5
TOTAL	3.0	1000-1030 - WY KAREN LAMBERT + BRANSON HALCOMB OF OICC	0.5
TUESDAY 9/16/03		1030-NOON STUDY OF BLKWL CODE RE: OICC THEN LETTER TO LAMBERT	1.5
0900-1000 - REVIEW POOL DWGS	(1.0)	1300-1345 - AT FERGUSON - RE: DRNG @ CULVERT E. OF HOSP. SO. DRWG	0.75
1000-1130 - WY SIXKILLER & CLAY ELEC INSPECT LAUNDRMAT & EDURAN HSE	1.5	1345-1430 - AT POOL	(0.75)
1130-1700 - AT FERGUSON SITE w/ PAUL - RE: TOO HIGH STREET	0.5	1430-1445 - WY LAMBERT BY PHO	0.25
1315-1415 - INSPECT GROUND SYSTEM @ POOL (APPROVED)	(1.0)	1445-1600 - PREP CONTRACT FOR STORM DAMAGED STREETS	1.25
1415-1500 - REVIEW POOL PLANS	(0.75)	1600-1615 - WY SJN, RE: ADA RAMP AT P.D.	0.25
1500-1530 - WY TODD MARTIN - RE: PH DODGE VISIT THIS THURSDAY	(0.5)	1615-1630 - WITH PAUL - CHG DRAINAGE AT 9 th /FERGUSON	0.25
1600-1645 - RUN INFO FOR COMMISSIONERS (H ₂ O LINE & FEMA STREETS)	0.75	1630-1745 - COMPLETE CONTRACT (STORM DAMAGED STREETS) w/ FAX OF AGREEMENT TO RUDY	1.25
1645-1700 - WY SJN - RE: FERGUSON ~ HIGH STREET CROWN	0.25	1745-1815 - SKETCH - 2-24"φ AT STA. 16+45 (FERGUSON)	0.5
1830-1900 - PLANNING COMM - RE: FENCING	0.5	TOTAL	7.75
1900-1930 - WY SJN	0.5		
1930-2000 - NOTICE OF AWARD TO RUDY (FEMA SITES)	0.5		
2000-2100 - REVIEW POOL DAY + MEMO TO PSA	(1.0)		
TOTAL	8.75		

THURSDAY, SEPT. 18, '03

0800-0830 - Pull DWGS of WTP & WWTP (FOR PDC VISITORS) (0.5)

0830-1200 } w/ TODD MARTIN of INTEGRAL,
1300-1530 } LARRY TODD of PDC AND
RON DERRICK of M3 ENGR'G & TECH
CORP. RE: SITING of TREATMENT
PLANT (6.0)

1530-1600 - w/ SJN - REVIEW of
VISIT w/ 3 VISITORS (0.5)

1600-1645 - SEND "NOTICES TO
RESIDENTS" FOR FEMA SITES 0.75

1645-1700 - REVIEW POOL
INFO (GAS LINE & DRINKING FOUNTAIN) (0.25)

1700-1800 - REVIEW POOL LIGHTG
CHANGES PROPOSED BY YOUNGER (1.0)

TOTAL 9.0

MONDAY 9/22

0945-1030 - AT FERGUSON w/ PAUL/JAY 0.75

1030-1100 - AT POOL w/ SCOTT & CLARENCE (0.50)

1100-1130 - AT FERGUSON - DITTO 0.50

1130-1200 - w/ SJN 0.50

1300-1330 - REVIEW FERG
PLANS - STORM SEWER 0.5

1330-1400 - FAX TO LAMBERT
& PSA - RE: DRINKING FOUNTAINS (0.50)

1400-1445 CALCS - RE: STORM SEWER @ $0.33 \frac{FT}{100'}$
vs $0.20 \frac{FT}{100'}$ 0.75

1445-1545 - P.D. RAMP ~ w/ RON WALKER 1.0

TOTAL 5.0

FRIDAY, SEPT 19 '03

900-0945 - AT POOL w/ BRIAN (0.75)

0945-1030 - AT FERGUSON 0.75

1030-1130 - REVIEW POOL + w/ PERRY (1.0)

TOTAL 2.5

TUES. 9/23 AT OKC - MCGEE EYE INSTITUTE

WED 9/24

0900-0915 - w/ L. B. CONRAD 0.25

0915-0945 - AT FERGUSON ST. PROJECT 0.50

0945-1045 - AT POOL (1.0)

1045-NORN - CHK OUT MASSEY DRAINAGE AFTER CALL FROM HGR 1.25

(OVER)

SUNDAY SEPT 21 '03 & 9/22

1900-2400 - SHOT LEVELS + MEASURED + CALCULATIONS (P.D. RAMP) 5.0

2400-0100 - DITTO - CALCS 1.0

TOTAL 6.0

9/24 WED. (CONT'D)

1300-1330 - w/ J. INMAN 0.5
 1330-1430 - MASSEY 1.0
 1430-1500 - CALL TODD MARTIN (0.5)
 1500-1530 - CALL RON WALKER 0.5
 1530-1630 - REVIEW POOL (1.0)
 2030-2345 - HUNT RECORDS - MASSEY THING 3.25
 TOTAL 9.75

2100-2200 - MEMO - RAMP
 IN RADIOS - (P.D. RAMP) 1.0
 2200-2330 - NEW SPGCS (WH, DF) @ POOL (1.5)
 TOTAL 10.0

FRIDAY 9/26

1000-1030 - CALC RUNOFF @ 6th/FERGUSON TO CONFIRM PIPS NEEDED UNDER 6th/FERG INTERS'CN 0.5

1030-1100 - w/ PAUL LAWRENCE - BITTO 0.5

1100-1130 - CHK OUT PLBG SUBMITTALS FOR POOL (0.5)

1330-1400 AT POOL (0.5)

1400-1430 - AT FEMA SITES 0.5

1430-1500 - MEMO TO PERRY - RE: PLBG SUBMITTALS (0.5)

1500-1600 - w/ SJN, RE: REVIEW P.D. RAMP (w/ WAYNE) + ALL OTHER PROJECTS 1.0

1600-1700 - TO PERRY'S, w/ SUBMITTALS (1.0)

TOTAL 5.0

THURS 9/25

0915-0930 POOL SUBMITTALS (0.25)

0930-1000 LETTER TO RYAN CONSTRUCTION, RE: CHESTNUT H₂O 0.5

1000-1100 - w/ SJN ON CALL TO B. WISEMAN, RE: MASSEY 1.0

1100-1130 - REVIEW MASSEY 0.5

1130-1200 - MAIL 0.5

1300-1345 - CALL LOCKE

PLBG Supply RE: NEW WATER HEADER FOR POOL; REVIEW FAX AT POOL 1345-1430 (0.75)

1530-1645 w/ PAUL L. AT FERGUSON 1.25

1900-2000 - PLANNING COMM 1.0

2000-2100 - REVIEW w/ SJN, J. INMAN, B. BECHTEL 1.0

MON. SEPT 29, '03

TUES. SEPT 30, '03

0915 - 1000 - CHK'G POOL INFO FROM LAMBERT (GROUNDING)	(0.75)	1000 - 1030 - AT POOL, RE: GROUND'G OF GUTTER & ADVICE, RE: LOW DRAINS	(0.5)
1000 - 1030 - w/ KAREN KHALAFIAN, RE: GLOBE REFINERY	0.5	1030 - 1115 - w/ PAUL - FERGUSON - RE: WATER LINE WORK MAIN TO 1 ST + 6 TH /FERG (TICKEL)	0.75
1030 - 1100 - w/ SJN - DITTO	0.5	1115 - 1130 - PHO. CALL FROM KAREN RE: GLOBE, RE: EPA'S PHILIP O'FOUL	0.25
1100 - 1130 - w/ MAC STROMBERG - GROUNDING OF GUTTER @ POOL	(0.5)	1130 - 1145 - NOTE TO SJN - DITTO	0.25
1130 - 1200 - Call Terry Ryan - CONTRACT INFO TO HIM (RE: W.I. - CHESTNUT)	0.5	1145 - NOON - MAIL	0.25
1300 - 1330 - MAIL + REPAIR DWG FLAT FILE	0.5	1300 - 1500 - SCHEDULE TO CONSTRUCT ADA RAMP @ P.D.	2.0
1330 - 1400 - w/ SIXKILLER - RE: FLAGPOLE & INMON - (SURVEY ON STEVENS)	0.5	1500 - 1645 - ANALYSIS OF GROUND WATER - RE: CULVERT ON FERGUSON	1.75
1400 - 1415 - w/ SJN + PEGGY MASSEY - RE: EROSION	0.25	1645 - 1745 - PHONE CALL FROM TODD MARTIN RE: I.C.'S - ? (AT SITE OF NEW CULVERT. ALSO	1.0
1415 - 1445 w/ SJN, DITTO	0.5	CONTRACTOR - RE: GROUNDING	(0.25)
1445 - 1500 - CALL ^{POOL} GUTTER		1500 - 1700 - LETTER w/ SKETCH TO D. TAPP, RE: GUTTER GROUND'G	(2.0)
1700 - 1730 - MAIL + ACCURATE	0.5	2015 - 2315 - REVIEW GLOBE REFINERY REPORT	3.0
TOTAL	7.25	SUBTOTAL	6.75
		TOTAL	9.75

146.5