

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

Phone: (580)363-0158
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PROFESSIONAL ENGINEERING SERVICE

DATE November 4, 2003

INVOICE NO. 040

Det

TO: City of Blackwell

P. O. Box 350

Blackwell, OK 74631

Attn: Sally Norris, City Manager

DATE	DESCRIPTION OF WORK	AMOUNT
October 1 through October 31, 2003	See HIGHLIGHTS, October 2003 and Detail Sheets enclosed.	
<u>MONTH TOTALS:</u>		
	City, Municipal Authority:	
	132.75 Hours @ \$33.00..... 001-519-211	\$4,380.75
	Phelps-Dodge:..... 131-500-336	\$ 272.25
	8.25 Hours @ \$33.00	
	Municipal Pool Inspection:	
	28.5 Hours @ \$33.00..... Loan pay.	\$ 940.50
	TOTAL	\$5,593.50

*Sally Norris
11-6-03*

Submitted by:

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

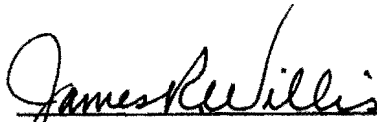
Date 11/4/2003

WORK UPGRADE OF MEMORIAL PARK POOL

<u>October 2003</u>	<u>Hours</u>
10/1 - Review layout with M. Stromberg & PSA-----	0.50
10/2 - With Supt. @ Pool; 9 mil Plastic use-----	1.0
10/6 - With Supt., upcoming Change Orders, T/C to Lambert, re: water heaters-----	0.5
10/7 - On site; re: Concrete in Chg. Areas; with Supt and Mech. Contractor-----	1.75
10/13- On site; re: Concrete, gas line, water heaters---	3.00
10/14- On site; concrete and plumbing-----	0.74
10/15- On site; Inspect completed plumbing-----	1.00
10/20- On site; with Perry and Mayor-----	1.75
10/21- On site with Mech. Contr., re: drains; review submittals-----	3.50
10/22- On site, with contractor Leon forming pump house	1.00
10/23- Ditto, with late placement of concrete-----	1.50
10/24- Review submittals-----	2.00
10/28- On site; photos-----	0.50
10/30- On site w/ Mech. Contr.; T/C with Stromberg re: filters; put together Chg. Ord. #3; review submittals-----	8.00
10/31- Review and finalize 4 submittals-----	1.75

Total	28.50
@ \$33/Hour	\$940.50

Submitted by:



James R. Willis, P.E.

11/4/03
Date

MONTHLY HOUR TIME TALLY

MONTH OCT. YEAR 2003

		CITY	PDC	POOL SPECIAL	CUMULATIVE		
					CITY	PDC	OTHER
W	1	8.25		0.50			
TH	2	9.00	1.00	1.00			
F	3	2.00	2.25				
S	4						
S	5						
M	6	11.00		0.50			
T	7	6.75	4.0	1.75			
W	8	7.00					
TH	9	4.25					
F	10						
S	11						
S	12						
M	13	6.75		3.00			
T	14	6.25		0.75			
W	15	7.25		1.00			
TH	16	5.75					
F	17						
S	18						
S	19						
M	20	10.25		1.75			
T	21	7.50		3.50			
W	22	5.50		1.00			
TH	23	6.25	0.25	1.50			
F	24	1.50		2.00			
S	25						
S	26						
M	27	7.00					
T	28	5.75		0.50			
W	29	7.00					
TH	30	2.00	0.75	8.00			
F	31	5.75		1.75			
		132.75	8.25	28.50			

SPECIALS; DESCRIPTION OF:

OTHER:

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



OCT
MONTH '03 WORK TIME LOG - JAMES R. WILLIS

DAY	FERGUSON AVE REHAB	GLOBE REFINERY SITUATION	MASSEY LAND SITUATION	CHESTNUT AVE STREET & WATER-LINE	PHELPS-DODGE	MEMORIAL POOL RENOVATION	
1	0.25	1.00	7.00			0.50	
2	0.50		7.00	0.75	1.00	1.00	
3			1.50		2.25		
4							
5							
6	2.25					0.50	
7	0.75			0.25	4.0	1.75	
8	6.50						
9	1.00						
10							
11							
12							
13	6.00					3.00	13
14	3.75					0.75	14
15	5.25					1.00	15
16	5.25			0.25			16
17							
18							
19							
20	1.25			0.75		1.75	20
21	3.75					3.50	21
22	3.50					1.00	22
23	2.75				0.25	1.50	23
24				0.50		2.00	24
25							
26							
27	7.00						
28	0.75			0.50		0.50	28
29							29
30	0.50				0.75	8.00	30
31						1.75	31
TOTALS	51.00	1.00	15.50	3.00	8.25	28.50	107.25

OCT.
10TH '03 WORK TIME LOG - JAMES R. WILLIS

	POLICE DEPT. ADA RAMP	MEETINGS : COMMISSION (C) FLOODPLAIN BD.	FLAGPOLE INSTALLATION	LEGION LIFT STATION	INSPECTIONS: • DELAPIDATED (D) • SPECIAL (SP)	INSPECTIONS: (E) ELECTRICAL (S) SEWER (W) WATER (B) BLDG	
2							
3	0.50						
4							
5							
6	1.75				7.0 (D) & (SP)		
7	3.25	2.5 (C)					
8	0.50						
9			1.25	1.50			
10							
11							
12	0.25						
13			2.50				
14	0.50		0.50			1.0 (B)	15
15							
16							
17							
18							
19							
20			5.75			0.25 (E)	20
21		1.5 (C)	1.50				21
22						2.0 (E)	22
23						0.25 (S)	23
24							24
25							
26							
27							
28	0.75						
29	3.50						
30	0.25	0.50 (FP)	0.50				
31							
TOTALS	11.25	4.50	12.00	1.50	7.00	4.25	40.50

OCT '03
 MONTH WORK TIME LOG - JAMES R. WILLIS

#	WTP - UPGRADE (PLANS)	KRA	SURFACE 44TH & FERGUSON (w/ COUNTY)	WATER TO INDUSTRIAL PROSPECT	MAIL (M) ACCURATE RECORDS (AR)	CONF. w/ SJN (1) RESEARCH (2) w/ CHAD MORRIS (3) MISC (4)	
1							
2							
3							
4							
5							
6							
7							
8							
9					0.25 (M)	0.25 (1)	
10							
11							
12				0.50			
13							
14							
15							15
16					0.75 (M)		16
17							17
18							
19							
20						1.5 (1), 0.75 (2)	20
21					0.25 (M)	0.50 (3)	21
22							
23			0.25			3.0 (MEMOS, ALL)	
24					0.5 (M) 0.5 (AR)		
25							
26							
27							
28	SCADA & W.T.K. 1.75		1.25		0.75 (AR)		
29		1.00			0.50 (M)	1.0 (1), 1.0 (2)	
30		0.25					
31			3.50		0.50 (M), 0.50 (AR)	1.25 (4)	
TOTALS	1.75	1.25	5.00	0.50	4.0	9.25	21.75

WED., OCT. 1, '03

1000-1015 - w/ PAUL - RE: FERGUSON
 24" RCP @ 9th & XTRA JOINT @ BOX
 EAST OF HOSPITAL IN LIEU OF HEADWALL 0.25
 — FRANCIS TO HOSPITAL —
 1215 - 1315 - T/C w/ D. PAGE &
 SJN / BRIAN - RE: GLOBE SITUATION 1.0
 1400 - 1530 - At PEG MASSEY'S LAND 1.5
 1530 - 1630 - DISCUSS DITTO 1.0
 1630 - 1700 - w/ M. STROMBERG &
 PSA - POOL (0.5)
 2030 - 2400 } RESEARCH LAND N.
 2400 - 0100 } OF CHRISTIAN CHURCH 4.5
 TOTAL 8.75

Maryland

THURS., OCT. 2, '03

0900 - 0915 - w/ CLARENCE @ POOL -
 RE: 9 MIL PLASTIC? (0.25)
 0915 - 1000 - w/ WAYNE ON
 CHESTNUT - RE: LACK OF FLYASH 0.75
 1000 - 1015 - w/ PAUL L. (T/C) -
 PRESSURE TEST OF H₂O LINES 0.25
 1015 - 1100 RESEARCH CONCRETE VAPOR
 BARRIER - RE: POOL SLABS (0.75)
 1100 - 1200 PLOT LEGAL DESCRIPS
 IN NW 1/4 S 26 (MASSEY THING) 1.0
 1300 - 1400 - DITTO 1.0
 1400 - 1500 - T/C SJN & JAW w/
 TODD MARTIN - RE: FERGUSON CULVERT (1.0)

(10-2-03) (CONT'D)

1500 - 1545 - ELEC INSPECT 1118 SO.
 12th AND SEWER AT 421 So. 1st 0.75
 1545 - 1700 - PLOT LEGALS (MASSEY) 1.25
 1700 - 1715 - APPROVE INVOICE FROM
 RUDY - RE: FEMA REQ'D WORKS 0.25
 2115 - 2400 } LEGAL DESCRIPS -
 2400 - 0100 (10/3) } RE: MASSEY 3.75
 TOTAL 11.0

FRIDAY OCT. 3, '03

0830 - 0900 - NTB - RE: Masonry
 @ P.D. ADA Ramp 0.5
 0900 - 1015 - T/C w/ D. PAGE w/
 SJN & BN - RE: Culvert on Ferguson
 and Globe situation. 1.25
 1015 - 1130 - Legal Descrips -
 Massey situation 1.25
 1215 - 1315 - Update info to send
 to Todd Martin, re: Culvert on
 Ferguson (1.0)
 1315 - 1330 - w/ INNON - RE:
 Legal descrips from County 0.25
 TOTAL 4.25

MON. OCT 6, 2003

TUES. OCT. 7, 2003

0930-0945 - w/ STJN - Re: Ferguson	0.25
0945-1030 - w/ Paul Lawrence, re: Ferguson	0.75
1030-1045 - w/ Jon Nelson, re: Ferguson	0.25
1045-1100 - w/ Clarence - He will call Tapp, re: Chg Orders	0.25
1100-1115 - w/ INMON - RE: HOUSE w/ high C.O.	0.25
1115-NOON - PREPARE BID SHEET FOR BID OF MASONRY @ P.D. RAMP	0.75
1330-1400 - SEND TAX EXEMPT FORMS TO RUDY FOR BOTH FERGUSON & FEMA JOBS	0.5
1400-1430 - AT FERGUSON SITE w/ PAUL	0.5
1430-1445 - P.H.D. CALL TO TAPP w/ LAMBERT - Re: Water Heaters	0.25
1445-1730 - INSPECT 7 DILAP SITES	2.75
2000-2400 - WRITE UP DILAPS	4.0
2400 ^(10/7) -0100 - P.D. RAMP	1.0
TOTAL	11.5

0830-0915 - AT POOL - RE: CONCRETE OF CHG ARGAS	0.75
0915-0945 - w/ PAUL L. - RE: FERGUSON	0.5
0945-1015 - T/C w/ STJN & BRIAN - RE: FERGUSON CULVERT	0.5
1015-1030 - w/ STJN - RE: FERGUSON	0.25
1030-1100 - w/ BRIAN (T/C) w/ HIS COMMENTS FROM D. PAGE ~ JEW	0.5
NOTATING & PASSING TO STJN	0.5
1100-1115 - RETURN CALLS TO CONRAD & KOHLER - RE: CHESTNUT	0.25
1115-1200 - P.D. RAMP	0.75
1300-1315 - CALL PSA - RE: CHG ORDERS	0.25
1315-1345 - w/ TODD ^{T/C} MARTIN RE: FERG AVE CULVERT	0.5
1345-1500 - ANALYSE HIS T/C w/ NOTES	1.25
1500-1545 - w/ MECH CONTR & DOUG TAPP @ POOL	0.75
1545-1700 - DITTO NOTES/BDD	1.25
MARTIN	2.5
1830-2100 - City Comm	2.5
2100-2330 - P.D. RAMP	2.5
30 min PRE meeting	12.5

WED. 10/8/03

0930-1000	PREP FOR MTG	0.50
1000-1200	MONTHLY MTG - RE: FERGUSON (P. LAWRENCE, JON NELSON, JOHN ANDREWS, JAY MORVAJ). IN OFC	2.00
1300-1700	DITTO - AT SITE (THEN OFC)	3.50
1700-1730	RECORD NOTES	0.50
φ 1/2 HR	OFF FOR HAIR CUT	
1730-1800	UPDATE FILES - P.D. ADA RAMP	0.50
Total		7.0

THURS. 10/9/03

0930-0945	W/ BRIAN WISEMAN & JIM INMON - RE: FLAGPOLE SITUATION	0.25
1030-1045	W/ FRED BELAIR - LEGION LIFT STA.	0.25
1045-NOON	RESEARCH LIFT STA	1.25
1330-1430	MEMO TO SJN - RE: FLAGPOLE	1.0
1430-1530	MEMO TO SJN - RE: FERGUSON (ELEVATIONS CHK BY FHC)	1.0
1530-1545	MAIL	0.25
1545-1600	W/ SJN	0.25
		4.25

MON. 10/13/03

0830-0900	AT POOL. CONCRETE PUMPS ON SITE FOR BOTH CHANGE ROOMS.	0.50
0900-0930	W/ SJN, J. HARRIS, TIM RODRIGUEZ, J.D. SOULEK - RE: WATER TO IND. PROSPECT	0.50
0930-1200	W/ PAUL LAWRENCE, RE: RUDY'S INVOICE	2.5
1315-1400	AT POOL. CHK ON CONC. + INSPECT GAS LINE INSTALLATION	0.75
1400-1415	W/ SJN - RE: P.D. (ADA RAMP)	0.25
1415-1600	CHK OUT POOL SPECS - RE: WATER HDR	1.75
2000-2330	CHK RUDY INV. + ENTER NEW GRADES STARTING AT STA. 37+00 (FERGUSON AVE PROJECT)	3.5
Total		9.75

0930-1015 - AT POOL - RE: DRSG ROOM CONC + PLBG	0.75
1015-1200 - FERGUSON w/ JON NELSON & PAUL LAWRENCE	1.75
1300-1430 - CONF - RE: FLAGPOLE	2.5
2030-2230 - FERGUSON - RUDY SURVEYOR?	2.0
[REDACTED]	7.0
[REDACTED]	0.25
w/ NELSON & JOE MILLER w/ SJN & MAJOR	2.0
1030-1100 - w/ SJN & MAJOR - ditto	0.50
1100-1200 - w/ INMON - INSPECT 2 HSES ON COOLIDGE	1.0
1200-1230 - ATTEMPT TO DECIPHER FLAGPOLE NUMBERS	0.50
1330-1400 RE-DRAFT BAR CHART FOR P.O. ADA RAMP	0.50
1400-1500 - INSPECT POOL	
PLBG PARTS	
1500-1700 - AT FERGUSON SITE w/ PAUL - RE: HIGH CROWN, ETC	2.0
1700-1730 - w/ SJN - REPORT OF FERGUSON	0.5
TOTAL	8.25

THURSDAY 10/16/03	
0900-1030 - FERGUSON ON SITE + w/ JON NELSON	1.5
1030-1045 - MEMO - RE: W.L. ON CHESTNUT	0.25
1045-1100 - MAIL	0.25
1100-1200 - FERGUSON w/ PAUL	1.0
1300-1545 - " " " , AND FHC & SJN	2.75
TOTAL	5.75

MONDAY 10/20/03	
CARRYOVER FROM WECO OF 10/18/03, CALCS OF FLAGPOLE STRESS	2.0
0900-0930 - AT FLAGPOLE SITE - MEASURE SITE	0.50
0930-1000 - FERGUSON w/ PAUL	0.50
1000-1015 - w/ CLAY - RE: ELEC/INSP	0.25
1015-NOON - AT POOL w/ MAJOR & PERRY	1.75
1315-1400 - w/ TERRY RYAN ON CHESTNUT (WATER LINE)	0.75
1400-1415 - w/ SJN	0.25
FLAG CALCS	1.0
1515-1615 - RECHK CALCS	1.0
1700-1815 - w/ SJN (FLAGPOLE + ALL PROJECTS)	1.25
2100-2145 - PAY ESTIMATE - FERGUSON	0.75
2145-2300 - RECHK CALCS - FLAGPOLE	1.25
2300-2345 - REVIEW ARTICLE - HARMONIC DISTORTION	0.75
TOTAL	12.0

FRIDAY OCT. 24, '03

0930-1000 - AT CHESTNUT - RE:

WATERLINE BY RYAN

0.50

1000-1030 - MAIL

0.50

1030-1130 - POOL SUBMITTALS

1.00

1330-1430 - " "

1.00

1430-1515 - ENTER ACCURATE INFO

0.50

TOTAL

3.5

MONDAY 10/27/03

0830 - NOON - W/ FHC (NELSON, MILLER, STALLINGS) THEN WIRTZ & BOESING - RE: FERGUSON

3.5

1300-1630 - DITTO W/ RUDY

3.5

TOTAL

7.0

TUES 10/28/03

0830-0915 - RECORD ACCURATE INFO

0.75

0915-0945 - AT P.D. W/ WAYNE, RE: HANDICAP RAMP

0.50

0945-1000 - MEMO TO STJN RE: P.D. ADA RAMP

0.25

1000-1015 - CALL JIM RUNDLE, RE: SCADA PHO. LINES

0.25

1015-1100 - MEMO TO STJN - RE: SCADA QUESTION

0.75

2.25

1100-1115 - MAIL

0.25

1115-1200 - W/ BOB SNODGRASS, RE:

NEW PROPOSAL, RE: RENOVATE

H₂O TANK

0.75

1400-1445 - REVIEW LEGAL

DESCRIPTION + CALL TO LAILE

WILSON, RE: CITY BOUNDARIES

0.75

1445-1515 - PHO. CALL TO

LAILE WILSON + REVIEW ANNEXED

AREA W/ FAX TO HIM

0.50

1600-1630 - W/ T. RYAN ON CHESTNUT

0.50

1630-1715 - W/ PAUL - FERGUSON

(ADVICE TO HIM, RE: TALK W/ FHC)

0.75

1715-1745 - AT POOL - PHOTOS

0.50

TOTAL

6.25

WED. 10/29/03

0830-1130 - SHOOT GRADES &

SET LAYOUT OF RAMP AT P.D.

3.0

1130-1200 - RETURN CALLS &

FILE

0.50

1300-1330 - FIND & SEND

INFO TO JIM & SHARON RE: DRIVEWAYS

0.50

1330-1400 - RESEARCH WORK

DONE ON P.D. RAMP

0.50

1400-1500 - RESEARCH KRA

AGREEMENT FROM KEVIN MURPHY W/

RESPONSE TO HIM

1.0

1500-1530 - MAIL

0.50

2100-2200 - W/ STJN

at City Hall w/ Sally until 10:00 P.M.

TOTAL

7.0

THURS. 10/30/03

FRI. 10/31/03

0930-0945 - AT P.D. RAMP	0.25
0945-1000 - w/ TERRY @ FLAG	0.25
1000-1015 (PHO.) w/ CLARENCE - POOL	(0.25)
1015-1030 - w/ KEVIN MURPHY - RE: KRA	0.25
1030-1200 - REVIEW POOL SUBMITTALS	(1.5)
1300-1345 - AT POOL w/ CLARENCE & CHRIS MARTIN (STREET'S)	(0.75)
1345-1445 ANALYSIS OF POOL PUMPDOWN & FILTERS - w/ CALL TO MAC STROMBERG	(1.0)
1445-1515 - w/ PERRY - UPDATE OF POOL	(0.50)
1515-1545 - MEMO TO STN, RE: POOL CHG ORDER #3	(0.5)
1545-1600 - w/ D. KEGN, RE: LIGHTING OF FLAG	0.25
1600-1630 - w/ PAUL LAWRENCE - UPDATE OF FERGUSON	0.50
1630-1700 ~ CHG ORD #3	(0.50)
1800-1900 ~ " " " / POOL	(1.0)
1900-1930 - FLOOD PLAIN BOARD	0.5
1930-2130 - CHG ORD #3 (SKETCHES)	(2.0)
SUBTOTAL	10.0
2130-2215 - REVIEW LETTER FROM TODD MARTIN - RE: OWNERSHIP RE: DISCH. PIPELINE	(0.75)
TOTAL	10.75

0830-0900 - MAIL	0.50
0900-1000 - w/ LAILE WILSON & MARVIN BEIER, RE: IMPROVEMENT OF SOUTH 44 th + WEST FERGUSON BY COUNTY + CITY POSSIBILITIES	1.0
1000-1030 - STUDY BEIER INFO	0.50
1030-1100 - REVIEW POOL SUBMITTALS + FAX TO PSA - INFO OF CHG. ORD #3	(0.50)
1100-1130 - ENTER ACCURATE INFO w/ PHO. CALL TO RUNDLE	0.5
1230-1345 - MAKE ROOM IN WWTP FILES	1.25
1345-1500 - FINALIZE 4 SUBMITTALS FOR POOL w/ LETTER TO PERRY	(1.25)
1600-1800 - MEMO TO STN - RE: RESURFACE 44 th /FERGUSON	2.00
TOTAL	7.50

169.5