

STA. 0+00 - 1+00
1+00 - 1+10 (TIE-IN)

JJD CONTRACTING, INC.

Date: 2/24/16

1-2"

Foreman: JEFF

Job#: SHIFF CONSTRUCTION

110'

Location: BORE FROM S/S/O JOHNSON RD
(S/S/O S/W) TO BUBB. (FIRE STATION)

Bore Direction: N→S

0+00

1+00

1+10

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	28	-25		310'			
20'	52	-16		320'			
30'	58	-5		330'			
40'	48	+1		340'			
50'	47	+3		350'			
60'	42	+1		360'			
70'	40	+1		370'			
80'	39	+3		380'			
90'	38	+4		390'			
100'	30		PIT	400'			
110'			TRENCH & TIE-IN	410'			
120'				420'			
130'				430'			
140'				440'			
150'				450'			
160'				460'			
170'				470'			
180'				480'			
190'				490'			
200'				500'			
210'				510'			
220'				520'			
230'				530'			
240'				540'			
250'				550'			
260'				560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			

Stations 1+10 - 2+70

JJD CONTRACTING, INC.

Date: 2/24/16

Foreman: Jeff

Job#: Sniff construction 1-2"
1+60'

Location: Bore on S/S/O Johnson Rd.
from E/side of fire station
Property to
canal easement
Bore Direction: EAST TO WEST

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	28	-26		310'			
20'	53	-17		320'			
30'	68	-12		330'			
40'	75	-5		340'			
50'	75	+1		350'			
60'	74	0		360'			
70'	76	+1		370'			
80'	70	+2		380'			
90'	63	+1		390'			
100'	60	+2		400'			
110'	61	+1		410'			
120'	60	+1		420'			
130'	59	+1		430'			
140'	58	+4		440'			
150'	57	+4		450'			
160'	47	+7		460'			
170'	40	+6		470'			
180'	34	+10	Pit	480'			
190'				490'			
200'				500'			
210'				510'			
220'				520'			
230'				530'			
240'				540'			
250'				550'			
260'				560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			

1+10

2+70

STATIONS 2+70 - 7+08

JJD CONTRACTING, INC.

Date: 3/30/16

Foreman: BRIAN/ALEX
 Location: BORE LYONS RD ON S/S/O
JOHNSON RD

Job#: SHIFF CONSTRUCTION

CITY OF COCONUT CREEK

Bore Direction: E → W

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	27	-29		310'	207	0	
20'	53	-30		320'	205	+4	
30'	91	-26		330'	198	+8	
40'	114	-21		340'	184	+11	
50'	145	-33		350'	162	+12	
60'	175	-24	EDGE OF WATER	360'	146	+12	
70'	X	/		370'	132	+11	
80'	X	CANAL		380'	120	+10	
90'	X	DITCH		390'	102	+14	
100'	X	/		400'	80	+15	
110'	225	0 *		410'	60	+16	
120'	228	0		420'	40	+14	
130'	212	0 * INTERFERENCE		430'	32	+10	
140'	233	-2	EAST EIP	440'	30	+1	
150'	239	-1		450'			
160'	236	+2		460'			
170'	240	+2		470'			
180'	240	0 *		480'			
190'	244	+3		490'			
200'	246	0		500'			
210'	244	0		510'			
220'	242	+2	WEST EIP	520'			
230'	238	+3		530'			
240'	234	+4		540'			
250'	230	+3		550'			
260'	226	+5		560'			
270'	220	+6		570'			
280'	214	+6		580'			
290'	210	+4		590'			
300'	206	+3		600'			

Stations 7+08 - 7+89

Station 7+89 - 8+08
trench

JJD CONTRACTING, INC.

Date: 2/25/11

Foreman: Carroll

Job#: Shiff Construction

Location: Bore Johnson Rd approx
250' west of Lyons Rd

Bore Direction: North to South

1-2" 100'

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	36	1-19	sidewalk	310'			
20'	36	1-10		320'			
30'	34	1-3		330'			
40'	36	1+2		340'			
50'	36	0		350'			
60'	36	1-21	H2O crossing	360'			
70'	36			370'			
80'	36			380'			
90'	36		sidewalk	390'			
100'	24			400'			
110'				410'			
120'				420'			
130'				430'			
140'				440'			
150'				450'			
160'				460'			
170'				470'			
180'				480'			
190'				490'			
200'				500'			
210'				510'			
220'				520'			
230'				530'			
240'				540'			
250'				550'			
260'				560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			

STA. 7+89 - 11+00
 N/S JOHNSON - EASTERN MOST SHOT

JJD CONTRACTING, INC.

Date: 2/16/16

1-2"

Foreman: JEFF

Job#: SHIFF CONSTRUCTION
CITY OF COCONUT CREEK

311'

Location: BORE ON N/S/O JOHNSON RD
1ST SHOT WEST OF LYONS RD.

Bore Direction: W → E

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	25	-23		310'	30	+6	
20'	57	-22		320'			
30'	70	-9		330'			
40'	75	0		340'			
50'	78	+3		350'			
60'	79	0		360'			
70'	76	+1		370'			
80'	74	0		380'			
90'	77	-3		390'			
100'	73	0		400'			
110'	74	+1		410'			
120'	76	+2		420'			
130'	67	+5		430'			
140'	65	-1		440'			
150'	75	0		450'			
160'	75	+1		460'			
170'	76	+2		470'			
180'	72	+3		480'			
190'	68	+4		490'			
200'	65	0		500'			
210'	65	0		510'			
220'	61	0		520'			
230'	56	+4		530'			
240'	57	+3		540'			
250'	49	+5		550'			
260'	36	+6		560'			
270'	36	0		570'			
280'	36	-5		580'			
290'	36	-4		590'			
300'	36	-5		600'			

STA: 11+00 - 14+42

JJD CONTRACTING, INC.

Date: 2/10/16

1-2"

Foreman: JEFF

Job#: SHIFF CONSTRUCTION

Location: BORE N1S10 JOHNSON Rd.
2ND SHOT WEST OF LYONS

CITY OF COCONUT CREEK 342'

Bore Direction: E → W

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	35	-32		310'	57	+9	
20'	76	-28		320'	47	+9	
30'	86	-18		330'	40	+5	
40'	100	-11		340'	29	+10	
50'	102	0		350'			
60'	98	+4		360'			
70'	102	-2		370'			
80'	113	-8		380'			
90'	108	+5		390'			
100'	101	+1		400'			
110'	101	+1		410'			
120'	99	0		420'			
130'	104	+1		430'			
140'	109	+1		440'			
150'	104	-1		450'			
160'	106	-1		460'			
170'	104	+2		470'			
180'	97	+6		480'			
190'	94	+4		490'			
200'	104	+3		500'			
210'	107	+4		510'			
220'	108	+2		520'			
230'	101	+4		530'			
240'	93	+2		540'			
250'	94	+2		550'			
260'	93	+3		560'			
270'	88	+4		570'			
280'	80	+5		580'			
290'	75	+7		590'			
300'	68	+5		600'			

STA. 14+42 - 17+00

JJD CONTRACTING, INC.

Date: 2/11/16

1-2"

Foreman: JEFF

Job#: SHIFF CONSTRUCTION

Location: BORE N15/D JOHNSON RD.
3RD SHOT WEST OF LYONS

CITY OF COCONUT CREEK 258'

Bore Direction: W → E

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	30	-31		310'			
20'	62	-26		320'			
30'	93	-22		330'			
40'	106	-9		340'			
50'	106	+1		350'			
60'	105	+4		360'			
70'	101	+6		370'			
80'	96	+3		380'			
90'	91	+1		390'			
100'	86	+3		400'			
110'	87	+2		410'			
120'	84	+1		420'			
130'	85	+1		430'			
140'	83	+1		440'			
150'	82	0		450'			
160'	87	-1		460'			
170'	88	0		470'			
180'	88	+1		480'			
190'	87	0		490'			
200'	87	+1		500'			
210'	81	+3		510'			
220'	73	+6		520'			
230'	60	+11		530'			
240'	50	+11		540'			
250'	42	+11		550'			
260'	25	+12		560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			

STA. 17+00 - 20+25

CANAL SHOT (OVER CULVERT)

JJD CONTRACTING, INC.

Date: 2/12/16

Foreman: JEFF

Job#: SHIFF CONSTRUCTION
CITY OF COCONUT CREEK

Location: BORE N/S/O JOHNSON RD.
NEN SHOT WEST OELYONS RD.

Bore Direction: E → W

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	28	-27		310'	47	+12	
20'	58	-24		320'	37	+9	
30'	75	-17		330'	25	+9	PIT
40'	77	-3		340'			
50'	79	+1		350'			
60'	78	+2		360'			
70'	76	+2		370'			
80'	78	+2		380'			
90'	78	+2		390'			
100'	76	+2		400'			
110'	74	+4		410'			
120'	72	+4		420'			
130'	72	0		430'			
140'	72	-1		440'			
150'	63	0		450'			
160'	63	-2		460'			
170'	68	-2		470'			
180'	70	0		480'			
190'	69	0		490'			
200'	69	0		500'			
210'	74	-5		510'			
220'	78	-2		520'			
230'	78	0		530'			
240'	78	0		540'			
250'	79	0		550'			
260'	83	-2		560'			
270'	81	+1		570'			
280'	76	+5		580'			
290'	72	+7		590'			
300'	59	+10		600'			

STA. 20+25 - 23+80

JJD CONTRACTING, INC.

Date: 2/15/16

1-2"

Foreman: JEFF

Job#: SHIFF CONSTRUCTION

355'

Location: BOLE N/S/D JOHNSON RD
500' SHOT WEST OF LYONS RD

CITY OF COCONUT CREEK

Bore Direction: E → W

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	33	-31		310'	50	+1	
20'	58	-19		320'	47	+2	
30'	66	-7		330'	46	+4	
40'	64	+2		340'	42	+5	
50'	61	0		350'	35	+6	
60'	65	-3		360'	32	+7	PIT
70'	67	-1		370'			
80'	68	0		380'			
90'	70	0		390'			
100'	69	-1		400'			
110'	65	+2		410'			
120'	68	-1		420'			
130'	65	+1		430'			
140'	61	+1		440'			
150'	61	+1		450'			
160'	60	0		460'			
170'	60	0		470'			
180'	62	+1		480'			
190'	64	0		490'			
200'	63	0		500'			
210'	67	0		510'			
220'	69	-2		520'			
230'	69	-1		530'			
240'	68	0		540'			
250'	67	+2		550'			
260'	66	+2		560'			
270'	56	+4		570'			
280'	56	0		580'			
290'	57	0		590'			
300'	52	+2		600'			

STA. 23+80 - 28+63
 N/S/O JOHNSON RD - STA SHOT W/O F LYONS

JJD CONTRACTING, INC.

Date: 2/17/16

1-2"

Foreman: JOSE

Job#: SHIFF CONSTRUCTION
CITY OF COCONUT CREEK

483'

Location: BORIE N/S/O JOHNSON RD
APPROX. 300-800' E/O WND SITE

Bore Direction: E → W

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	26	-26	23+80	310'	57	0	
20'	56	-26		320'	62	-2	
30'	80	-20		330'	66	-4	
40'	93	-9		340'	69	-3	
50'	91	0		350'	74	+3	
60'	91	+2		360'	77	-3	
70'	94	-2		370'	82	-2	
80'	101	-3		380'	86	0	
90'	103	-3		390'	80	+4	
100'	102	-2		400'	74	+5	
110'	106	-3		410'	72	+5	
120'	104	0		420'	58	+7	
130'	113	-3		430'	49	+5	
140'	113	0		440'	54	+5	
150'	112	+2		450'	57	+2	
160'	117	-3		460'	51	+1	
170'	112	+4		470'	43	+6	
180'	106	+3		480'	30	+14	
190'	106	+6		490'	30		28+63
200'	101	+3		500'	PIT		
210'	100	+2		510'			
220'	94	+3		520'			
230'	90	+3		530'			
240'	89	+3		540'			
250'	82	+3		550'			
260'	77	+3		560'			
270'	75	+3		570'			
280'	71	+5		580'			
290'	61	+8		590'			
300'	59	-1		600'			

STA. 28+43 - 32+85

JJD CONTRACTING, INC.

Date: 2/18/16

1-2"

Foreman: JOSE BORE NISIO JOHNSON RD

Job#: SHIFF CONSTRUCTION
CITY OF COCONUT CREEK

422'

Location: CROSSING NW SITE

Bore Direction: E → W

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	24	-27		310'	107	+1	
20'	26	-28		320'	101	+1	
30'	85	-20		330'	95	+3	
40'	106	-15		340'	88	+9	
50'	114	+6		350'	73	+11	
60'	116	-2		360'	62	+10	
70'	118	0		370'	41	+9	
80'	122	+1		380'	34	+5	
90'	128	-5		390'	30	+2	
100'	125	+1		400'	28	+3	
110'	126	0		410'	26	+2	
120'	127	-2		420'	24	+2	
130'	128	0		430'	OUT		
140'	126	0		440'			
150'	128	0		450'			
160'	129	0		460'			
170'	134	0		470'			
180'	131	+2		480'			
190'	131	+1		490'			
200'	134	-1		500'			
210'	130	+4		510'			
220'	136	+3		520'			
230'	128	0		530'			
240'	136	0		540'			
250'	128	0		550'			
260'	126	+2		560'			
270'	124	+2		570'			
280'	127	-1		580'			
290'	118	+3		590'			
300'	108	+1		600'			

JJD CONTRACTING, INC.

Date: 2/23/16

Foreman: JOSE

Job#: Shiff Construction

Location: Bore s/s/o Johnson Rd, shot west of NW 51 terrace

Bore Direction: EAST TO WEST

1-2" 340'

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	32	-32		310'	88	+8	
20'	60	-23		320'	73	+13	
30'	78	-14		330'	50	+21	
40'	97	-13		340'	30	+21	
50'	107	-9		350'		pit	
60'	111	-3		360'			
70'	114	-1		370'			
80'	119	0		380'			
90'	121	0		390'			
100'	125	0		400'			
110'	119	+2		410'			
120'	124	-11		420'			
130'	120	+3		430'			
140'	118	0		440'			
150'	121	-2		450'			
160'	117	0		460'			
170'	114	0		470'			
180'	113	+2		480'			
190'	116	-3		490'			
200'	113	-11		500'			
210'	115	-11		510'			
220'	117	-3		520'			
230'	121	-11		530'			
240'	124	0		540'			
250'	124	-11		550'			
260'	126	0		560'			
270'	122	+4		570'			
280'	118	+6		580'			
290'	107	+9		590'			
300'	97	+9		600'			

JJD CONTRACTING, INC.

Date: 2/24/16

Foreman: Jose

Job#: Shiff construction

Location: Johnson Rd

Bore Direction: East to West

1-2" 235'

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	26	1-27		310'			
20'	53	1-20		320'			
30'	69	1-9		330'			
40'	69	1-0		340'			
50'	64	1+3		350'			
60'	63	1+3		360'			
70'	61	1+1		370'			
80'	58	1+3		380'			
90'	57	1-0		390'			
100'	56	1-0		400'			
110'	57	1-0		410'			
120'	56	1-0		420'			
130'	57	1-0		430'			
140'	54	1+1		440'			
150'	53	1+1		450'			
160'	53	1-1		460'			
170'	56	1-2		470'			
180'	58	1-0		480'			
190'	49	1+4		490'			
200'	41	1+5		500'			
210'	38	1+2		510'			
220'	36	1-0		520'			
230'	36	1+4		530'			
240'	30	1+6		540'			
250'				550'			
260'				560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			

STA. 38+60 - 43+56

JJD CONTRACTING, INC.

Date: 2/19/16

1-2"

Foreman: JOSE

Job#: SHIFF CONSTRUCTION
CITY OF COCONINO CREEK

496'

Location: BORE E/S/D ACCESS RD. TO C. CREEK
PUBLIC WORKS FROM MIDPOINT TO N=10
JOHNSON RD.

Bore Direction: N → S

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	26	-3		310'	86	0	
20'	64	-24		320'	91	-2	
30'	77	-15		330'	86	+2	
40'	78	-1		340'	87	0	
50'	81	-1		350'	85	+1	
60'	85	-1		360'	77	+4	
70'	82	+2		370'	76	+4	
80'	80	+2		380'	72	+3	
90'	81	0		390'	68	+4	
100'	85	-1		400'	65	+3	
110'	80	+3		410'	65	+2	
120'	76	+3		420'	63	0	
130'	74	+2		430'	63	+2	
140'	79	-2		440'	62	+2	
150'	77	0		450'	59	+5	
160'	79	0		460'	54	+5	
170'	80	0		470'	47	+6	
180'	82	-1		480'	38	0	
190'	88	-4		490'	25	+11	
200'	89	0		500'	PIT		
210'	88	+1		510'			
220'	84	+3		520'			
230'	85	0		530'			
240'	87	0		540'			
250'	93	-3		550'			
260'	88	+3		560'			
270'	87	+3		570'			
280'	83	+1		580'			
290'	86	-1		590'			
300'	87	-3		600'			

JJD CONTRACTING, INC.

Date: 2/22/16

Foreman: Jose

Job#: Shiff Construction

Location: Bore E/S/O Access Rd to Coconut Creek engineering to 45° Bend

Bore Direction: South to North

1-2"

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	27	-33		310'	68	+1	
20'	53	-22		320'	66	+2	
30'	70	-12		330'	71	+3	
40'	76	-3		340'	66	+1	
50'	76	0		350'	68	0	
60'	76	+1		360'	70	0	
70'	78	-3		370'	69	+1	
80'	82	-2		380'	69	+1	
90'	82	0		390'	69	0	
100'	84	0		400'	66	+3	
110'	84	0		410'	65	+2	
120'	81	+2		420'	55	+5	
130'	83	+1		430'	54	+1	
140'	82	0		440'	54	0	
150'	79	+3		450'	53	+1	
160'	78	0		460'	50	+2	
170'	80	0	sanitary	470'	44	+5	
180'	82	0	w/s	480'	43	+2	
190'	87	0		490'	34	+10	
200'	89	0		500'	22	+12	
210'	89	+1		510'	20	+2	
220'	89	0		520'			
230'	87	+2		530'			
240'	85	+1		540'			
250'	82	+3		550'			
260'	78	+4		560'			
270'	75	+2		570'			
280'	74	0		580'			
290'	74	0		590'			
300'	72	+1		600'			

JJD CONTRACTING, INC.

Date: 2/25/16

Foreman: Jose

Job#: Shiff construction

Bore E/S/O Access Rd, from HH (45' Bend) to East Gate

Bore Direction: East - North west

1-2"

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	20	-20		310'			
20'	33	-15		320'			
30'	42	-4		330'			
40'	43	0		340'			
50'	42	+1		350'			
60'	45	+3		360'			
70'	50	-3		370'			
80'	45	+4		380'			
90'	44	0		390'			
100'	41	+1		400'			
110'	45	-3		410'			
120'	44	0		420'			
130'	39	+9		430'			
140'	24	+15	Pit	440'			
150'				450'			
160'				460'			
170'				470'			
180'				480'			
190'				490'			
200'				500'			
210'				510'			
220'				520'			
230'				530'			
240'				540'			
250'				550'			
260'				560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			

Stations 50+11 - 51+00
5295 Building/CC. Engineering

JJD CONTRACTING, INC.

Date: 2/25/16

Foreman: JOSE

Job#: SHIFF CONSTRUCTION

Bore from East Gate to
Location: EXISTING H/L ON N/S/O BUILDING

Bore Direction: EAST TO WEST

1-2"

Rod/Feet	Depth	Pitch	Reason	Rod/Feet	Depth	Pitch	Reason
10'	29	1-23		310'			
20'	55	1-27		320'			
30'	83	1-20		330'			
40'	88	1-2		340'			
50'	83	1+6		350'			
60'	66	1+15		360'			
70'	50	1+10		370'			
80'	38	1+10		380'			
90'	24	1+14	pH	390'			
100'				400'			
110'				410'			
120'				420'			
130'				430'			
140'				440'			
150'				450'			
160'				460'			
170'				470'			
180'				480'			
190'				490'			
200'				500'			
210'				510'			
220'				520'			
230'				530'			
240'				540'			
250'				550'			
260'				560'			
270'				570'			
280'				580'			
290'				590'			
300'				600'			