	EQUIPMENT SCHEDULE															
				мота	ELECT R CHAR	RICAL	STICS		PU	MP		F	AN			
ITEM	DESCRIPTION	LOCATION	KW	HP	RPM	VOLTS	PHASE	HZ	CAPACITY (GPM)	HEAD (FT)	TYPE	CAPACITY (CFM)	SP (IN)	DRIVE	MOUNTING	REMARKS
MP 1	MAIN PUMP #1	WET WELL	410	550**	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 2	MAIN PUMP #2	WET WELL	410	550**	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 3	MAIN PUMP #3	WET WELL	410	550 ^{**}	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 4	MAIN PUMP #4	WET WELL	410	550**	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 5	MAIN PUMP #5	WET WELL	410	550**	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 6	MAIN PUMP #6	WET WELL	410	550 ^{**}	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 7	MAIN PUMP #7	WET WELL	410	550 **	890**	4160	3	60	30,000	49						SEE NOTES 1 AND 2
MP 8	MAIN PUMP #8	WET WELL	410	550**	89 Ö *	4160	3	60	30,000	49						
LFP 9	EXIST. LOW FLOW PUMP #9	WET WELL	45	60	1160	460	3	60	2,500	59						
LFP 10	EXIST. LOW FLOW PUMP #10	WET WELL	45	60	1160	460	3	60	2,500	59						
G 1	SLIDE GATE ACTUATOR	OUTSIDE ABOVE GRADE	3.7	5		460	3	60								
G 2	KNIFE GATE ACTUATOR	ABOVE EL8.5	1.5	2		460	3	60								SEE NOTE 2

^{**} MAXIMUM

F.A.I RTE.		COUNTY			TOTAL SHEETS	SHEET NO.	
90/94	1213.4 A-	Т		C00	K	63	30
FED. RO	AD DIST. NO.	ILLIN	OIS	FED.	AID	PROJECT	-

		G OPERATION R TH RISING WATI				
FUNCTION		ADA BLER)	FLOAT			
	ELEVATION	LEVEL ABOVE WET PIT FLOOR	ELEVATION	LEVEL ABOVE WET PIT FLOOR		
	(FT)	(FT)	(FT)	(FT)		
LOW FLOW LEAD START	-42.5	5.5	-41.5	6.5		
LOW FLOW LAG START	-41.5	6.5	-40 . 5	7.5		
EAD MAIN START & ALL LOW FLOW STOP	-39.5	8.5	-39.0	9.0		
LAG 1 MAIN START	-38.5	9.5	-38.0	18.0		
LAG 2 MAIN START	-37.5	10.5	-37.0	11.0		
LAG 3 MAIN START	-36.5	11.5	-36.0	12.0		
LAG 4 MAIN START	-35.5	12.5	-35.0	13.0		
LAG 5 MAIN START	-34.5	13.5	-34.0	14.0		
LAG 6 MAIN START	-33.5	14.5	-33.0	15.0		
LAG 7 MAIN START	-32.5	15.5	-32.0	16.0		
HIGH WATER ALARM	-28.5	19.5	-28.5	19.5		

PUMPING OPERATION RANGES WITH FALLING WATER									
FUNCTION	SC (BUB	FLOAT							
	ELEVATION	LEVEL ABOVE WET PIT FLOOR	ELEVATION	LEVEL ABOVE WET PIT FLOOR					
	(FT)	(FT)	(FT)	(FT)					
LAG 4, LAG 5, LAG 6, AND LAG 7 STOP	-40.0	8.0	-39.5	8,5					
LEAD, LAG 1, LAG 2, LAG 3, STOP AND ALL LOW FLOW START	-41.0	7.0	-40.5	7.5					
ALL LOW FLOW STOP	-43.5	4.5	-43.0	5.0					
LOW WATER ALARM	-44.0	4.0	-44.0	4.0					

- 1. THE DESIGN OF THE PUMP STATION HAS BEEN BASED ON A SPECIFIC PUMP.
 OTHER PUMPS PRODUCING THE SAME HYDRAULIC CHARACTERISTIC ARE
 ACCEPTABLE, IT SHALL BE THE CONTRACTOR'S RESPONSIBLITY TO MAKE
 ALL ADJUSTMENTS TO THE STATION DESIGN REQUIRED TO ADOPT HIS
 FINAL SELECTED PUMPS AT NO ADDITIONAL COST.
- 2. EQUIPMENT SHALL BE CLASS 1, DIV. 1 GROUP D EXPLOSION PROOF.
- 3. STAND-BY PUMP STARTS ONLY WHEN MOTOR OVERLOADS OR STARTING SEQUENCE FAILS FOR ANY MAIN PUMP.
- 4.LAG 7 MAIN PUMP SHALL BE STOP WHEN THE WATER LEVEL AT THE OUTFALL CHAMBER REACHES EL. 6.8^{\prime}

М7		ILLINOIS DEPARTMENT OF TRANSPORTATION			
REVISION NAME	IS DATE	PUMP STATION NO. 27 REHABILITATION			
			SCHEDULE AND OPERATING ELEV.		
		SCALE: N/A	DRAWN BY: HFF		

DATE: 04-23-10

DRAWN BY: HFF CHECKED BY: KHC

