

Summary of Dewatering

Well Point Locations	Max Daily	Total
1	100,800	201,600
2	378,000	756,000
3	100,800	201,600
4	126,000	252,000
5	655,200	1,310,400
6	151,200	302,400
7	378,000	756,000
8	126,000	252,000
9	126,000	252,000
10	100,800	201,600
11	176,400	352,800
12	126,000	252,000
13	100,800	201,600
14	100,800	201,600
15	302,400	604,800
16	100,800	201,600
17	151,200	302,400
18	100,800	201,600
19	176,400	352,800
20	604,800	1,209,600
21	100,800	201,600
22	100,800	201,600
23	100,800	201,600
24	100,800	201,600
Total	9,172,800	Gallons

Dewatering Calculations

Location: **1**

Pump Characteristics

Type: Rotary Lobe
Maximun Capacity: 1,650 gpm
H.P.: 60 h.p.
Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **2**

Pump Characteristics

Type: Rotary Lobe
Maximun Capacity: 1,650 gpm
H.P.: 60 h.p.
Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe: **150** LF
Number of well points: 53 Points
Gallons per minute: 263 GPM
Hourly volume: 15,750 GPH
Daily volume: 378,000 GPD
Number of days: **2** Days
Total volume: 756,000 Gallons

Dewatering Calculations

Location: 3

Pump Characteristics

Type: Rotary Lobe
Maximun Capacity: 1,650 gpm
H.P.: 60 h.p.
Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe: 40 LF
Number of well points: 14 Points
Gallons per minute: 70 GPM
Hourly volume: 4,200 GPH
Daily volume: 100,800 GPD
Number of days: 2 Days
Total volume: 201,600 Gallons

Dewatering Calculations

Location: 4

Pump Characteristics

Type: Rotary Lobe
Maximun Capacity: 1,650 gpm
H.P.: 60 h.p.
Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe: 50 LF
Number of well points: 18 Points
Gallons per minute: 88 GPM
Hourly volume: 5,250 GPH
Daily volume: 126,000 GPD
Number of days: 2 Days
Total volume: 252,000 Gallons

Dewatering Calculations

Location: **5**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe: **260** LF

Number of well points: 91 Points

Gallons per minute: 455 GPM

Hourly volume: 27,300 GPH

Daily volume: 655,200 GPD

Number of days: **2** Days

Total volume: 1,310,400 Gallons

Dewatering Calculations

Location: 6

Pump Characteristics

Type: Rotary Lobe
Maximun Capacity: 1,650 gpm
H.P.: 60 h.p.
Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe: 60 LF
Number of well points: 21 Points
Gallons per minute: 105 GPM
Hourly volume: 6,300 GPH
Daily volume: 151,200 GPD
Number of days: 2 Days
Total volume: 302,400 Gallons

Dewatering Calculations

Location: **7**

Pump Characteristics

Type: Rotary Lobe

Maximum Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	150 LF
Number of well points:	53 Points
Gallons per minute:	263 GPM
Hourly volume:	15,750 GPH
Daily volume:	378,000 GPD
Number of days:	2 Days
Total volume:	756,000 Gallons

Dewatering Calculations

Location:

8

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	50 LF
Number of well points:	18 Points
Gallons per minute:	88 GPM
Hourly volume:	5,250 GPH
Daily volume:	126,000 GPD
Number of days:	2 Days
Total volume:	252,000 Gallons

Dewatering Calculations

Location: **9**

Pump Characteristics

Type: Rotary Lobe

Maximum Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	50 LF
Number of well points:	18 Points
Gallons per minute:	88 GPM
Hourly volume:	5,250 GPH
Daily volume:	126,000 GPD
Number of days:	2 Days
Total volume:	252,000 Gallons

Dewatering Calculations

Location: **10**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **11**

Pump Characteristics

Type: Rotary Lobe

Maximum Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	70 LF
Number of well points:	25 Points
Gallons per minute:	123 GPM
Hourly volume:	7,350 GPH
Daily volume:	176,400 GPD
Number of days:	2 Days
Total volume:	352,800 Gallons

Dewatering Calculations

Location: **12**

Pump Characteristics

Type: Rotary Lobe

Maximum Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	50 LF
Number of well points:	18 Points
Gallons per minute:	88 GPM
Hourly volume:	5,250 GPH
Daily volume:	126,000 GPD
Number of days:	2 Days
Total volume:	252,000 Gallons

Dewatering Calculations

Location: **13**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe: **40** LF

Number of well points: 14 Points

Gallons per minute: 70 GPM

Hourly volume: 4,200 GPH

Daily volume: 100,800 GPD

Number of days: **2** Days

Total volume: 201,600 Gallons

Dewatering Calculations

Location:

14

Pump Characteristics

Type:	Rotary Lobe	
Maximun Capacity:	1,650	gpm
H.P.:	60	h.p.
Diameter:	8	inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **15**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	120 LF
Number of well points:	42 Points
Gallons per minute:	210 GPM
Hourly volume:	12,600 GPH
Daily volume:	302,400 GPD
Number of days:	2 Days
Total volume:	604,800 Gallons

Dewatering Calculations

Location: **16**

Pump Characteristics

Type: Rotary Lobe

Maximum Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **17**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	60 LF
Number of well points:	21 Points
Gallons per minute:	105 GPM
Hourly volume:	6,300 GPH
Daily volume:	151,200 GPD
Number of days:	2 Days
Total volume:	302,400 Gallons

Dewatering Calculations

Location: **18**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **19**

Pump Characteristics

Type: Rotary Lobe

Maximum Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	70 LF
Number of well points:	25 Points
Gallons per minute:	123 GPM
Hourly volume:	7,350 GPH
Daily volume:	176,400 GPD
Number of days:	2 Days
Total volume:	352,800 Gallons

Dewatering Calculations

Location: **20**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	240 LF
Number of well points:	84 Points
Gallons per minute:	420 GPM
Hourly volume:	25,200 GPH
Daily volume:	604,800 GPD
Number of days:	2 Days
Total volume:	1,209,600 Gallons

Dewatering Calculations

Location: **21**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **22**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **23**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons

Dewatering Calculations

Location: **24**

Pump Characteristics

Type: Rotary Lobe

Maximun Capacity: 1,650 gpm

H.P.: 60 h.p.

Diameter: 8 inch

Dewatering Calculations

Well point header pipes are 20' long with 7 well points on each pipe.
Each well point is capable of pulling 5 gallons per minute.

Length of well point header pipe:	40 LF
Number of well points:	14 Points
Gallons per minute:	70 GPM
Hourly volume:	4,200 GPH
Daily volume:	100,800 GPD
Number of days:	2 Days
Total volume:	201,600 Gallons