







Bristol Flats

Pump Station, Fish Screen, Pipeline

Legend

-  12" Buried Pipeline (~70' Pump to Existing Mainline)
-  Electrical Conduit
-  Pump Pad ~10' X 12"
-  Pump to Risers Line ~500' of 8"
-  Riverscreen in Yakima River
-  Suction Pipe (Above ground)









100 ft

Bristol Flats

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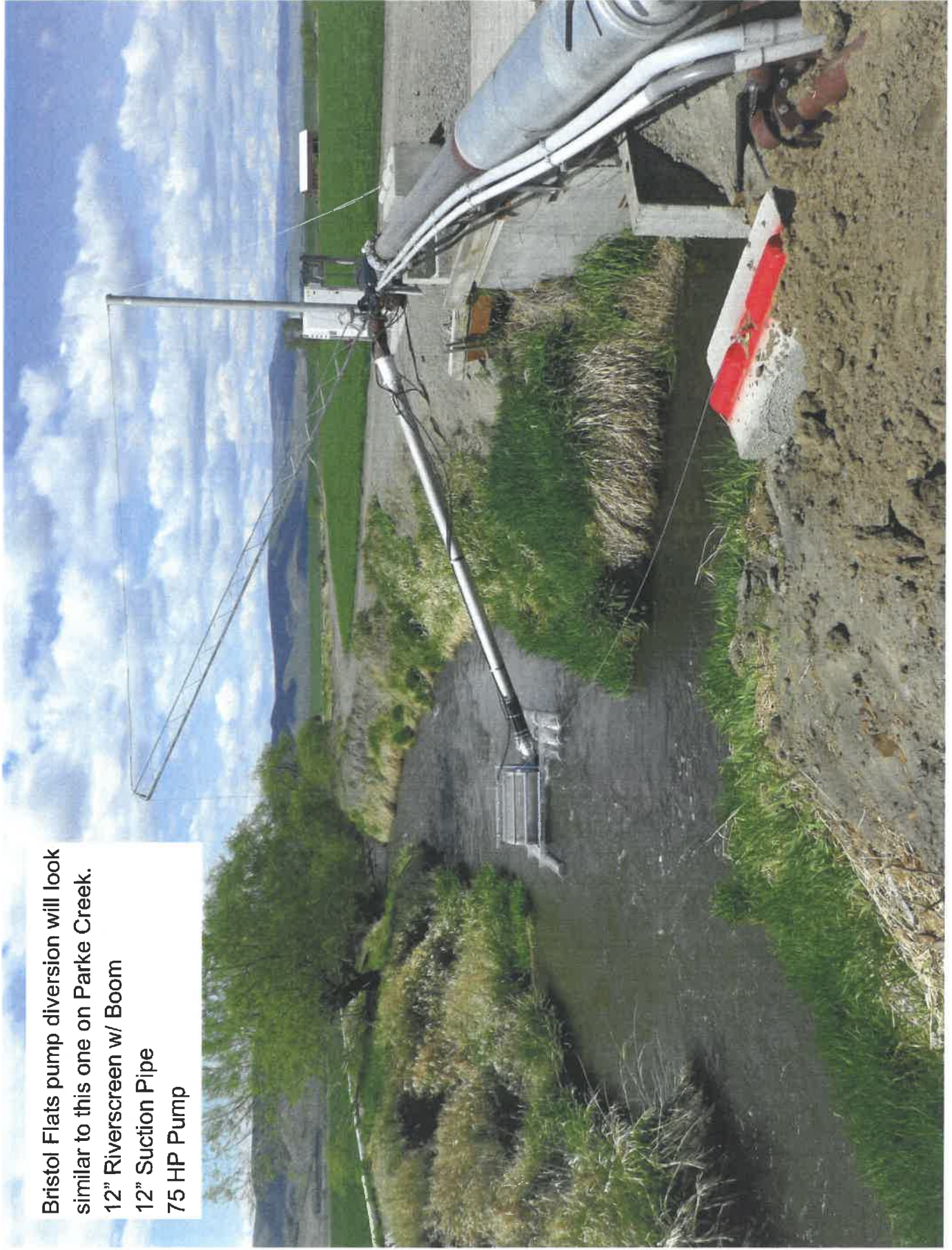
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-  Electrical Conduit
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50 ft

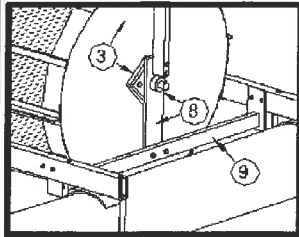
Bristol Flats pump diversion will look similar to this one on Parke Creek.
12" Riverscreen w/ Boom
12" Suction Pipe
75 HP Pump



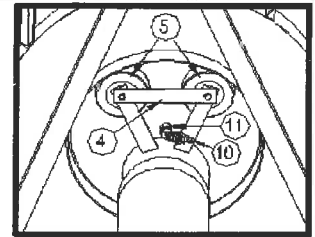
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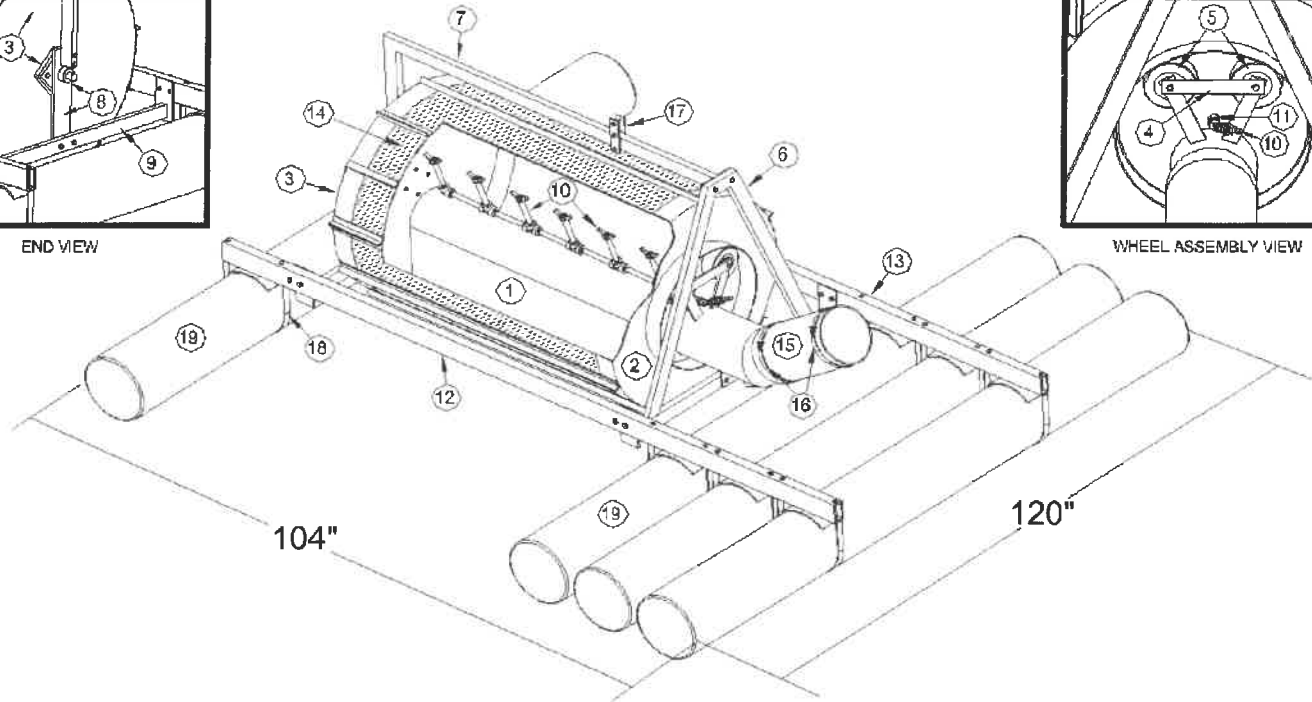
12 INCH RIVERSCREEN



END VIEW



WHEEL ASSEMBLY VIEW



Parts List

Specifications

Item	Part No.	Qty.	Description
1	R - SF1012	1	12" Suction Funnel
2	R - DPB0812	1	Drum Plate B
3	R - DPA0812	1	Drum Plate A
4	R - WB1012	1	10" Wheel Bracket
5	WA500	2	Wheel Assembly
6	R - AF0812	1	A Frame
7	R - LF0812	1	L Frame
8	R - DSP0812	1	Drum Support Plate
9	R - DSR0812	1	Drum Support Rail
10	R - CSB0812	1	Cleaning Spray Bar
11	R - SBA0612	1	Spray Bar Attachment
12	R - LR0812	1	Left Side Rail
13	R - RR0812	1	Right Side Rail
14	R - SA0812	2	Screen Assembly
15	SH012	1	12" X 36" Suction Hose
16	TBC012	2	12" T Bolt Clamp
17	R - HP001	1	Hanger Plate
18	R - PS0612	8	Pontoon Strap
19	R - P10	4	10 ft. Pontoon

Weights

Basic Unit: 285 lbs
Optional Equipment
 Power Drive: 2 lbs
 Foot Valve w/ Pressure Relief: 16 lbs
 Extra pontoon: 24 lbs

Maximum GPM Ratings & Velocities

4,000 GPM @ 11.66 ft per second
 3,000 GPM @ 8.75 ft per second
 2,000 GPM @ 5.83 ft per second
 1,000 GPM @ 2.91 ft per second

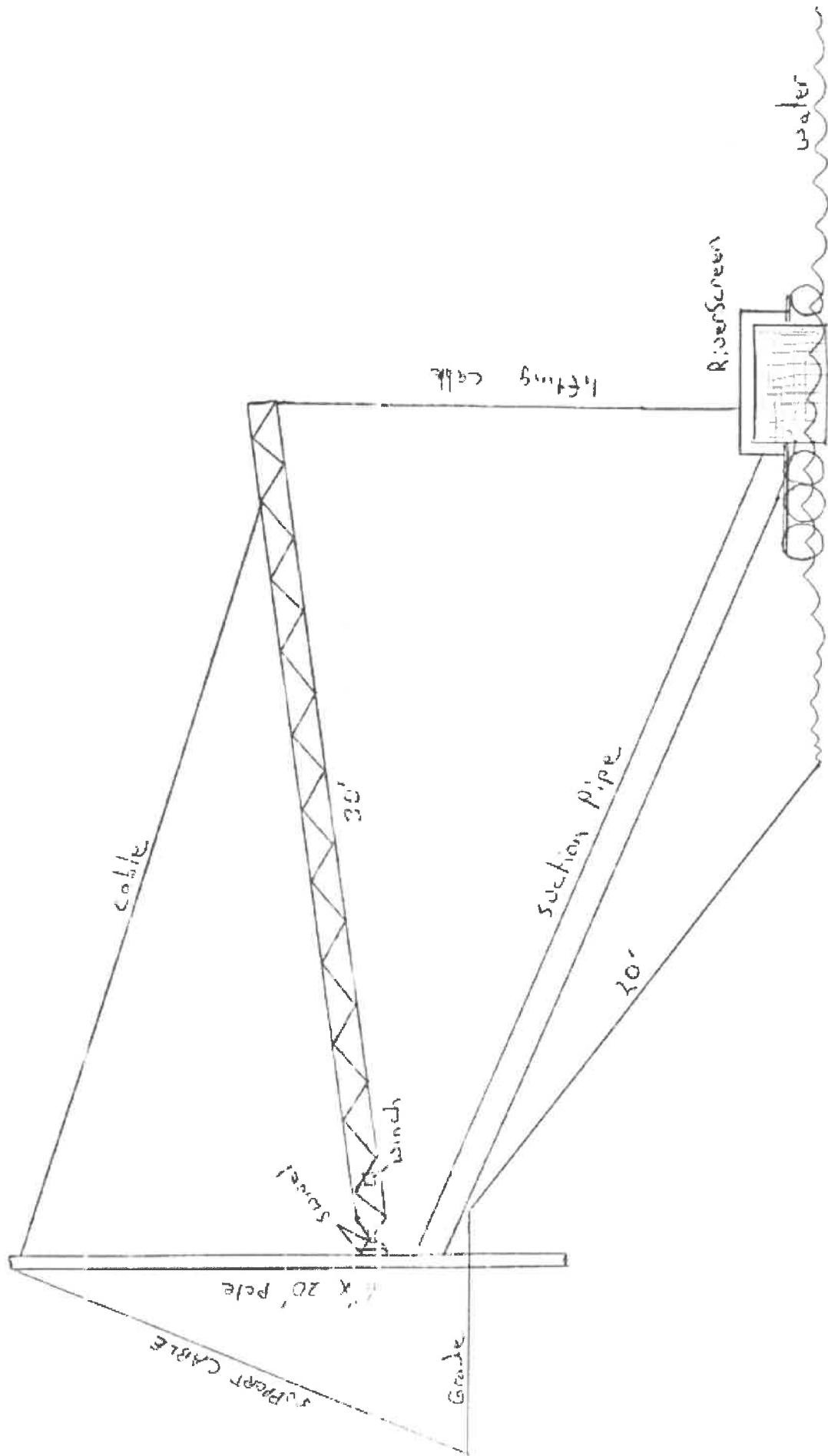
Screen area at maximum depth (7 inches)
 8.29 Square feet

Additional Set-up Items (Not Shown in Picture)

EPDM58	1	5/8" Hose
R - FA0612	1	Filter Assembly
CC6252	1	Anchor
AR1550	1	Cable
R - BP0612	1	Bolt Package

RIVERSCREEN, Inc.
 1925 Kiowa Road
 Clay Center, Kansas 67432
www.riverscreen.com

Contact Information:
 Office: 785-632-5452
 Fax: 785-632-6141
 Email: jessica@riverscreen.com



SCALE 1"=5'



Company: Midstate Co-op - Irrigation
 Name: Wallace 1200Q
 Date: 11/16/2018

Pump:

Size: 5YB
 Type: Clear Liquids
 Synch speed: 3600 rpm
 Curve: 5YB36
 Specific Speeds:
 Dimensions:
 Speed: 3560 rpm
 Dia: 7.625 in
 Impeller:
 Ns: 1505
 Nss: ---
 Suction: 8 in
 Discharge: 5 in

Search Criteria:

Flow: 1200 US gpm Head: 165 ft

Fluid:

Water
 Density: 62.32 lb/ft³
 Viscosity: 0.9946 cP
 NPSHa: ---
 Temperature: 68 °F
 Vapor pressure: 0.3391 psi a
 Atm pressure: 14.7 psi a

Motor:

Standard: NEMA
 Enclosure: TEFC
 Sizing criteria: Max Power on Design Curve
 Size: 75 hp
 Speed: 3600
 Frame: 365TS

Pump Limits:

Temperature: 250 °F
 Pressure: 175 psi g
 Sphere size: 0.62 in
 Power: ---
 Eye area: ---

— Data Point —

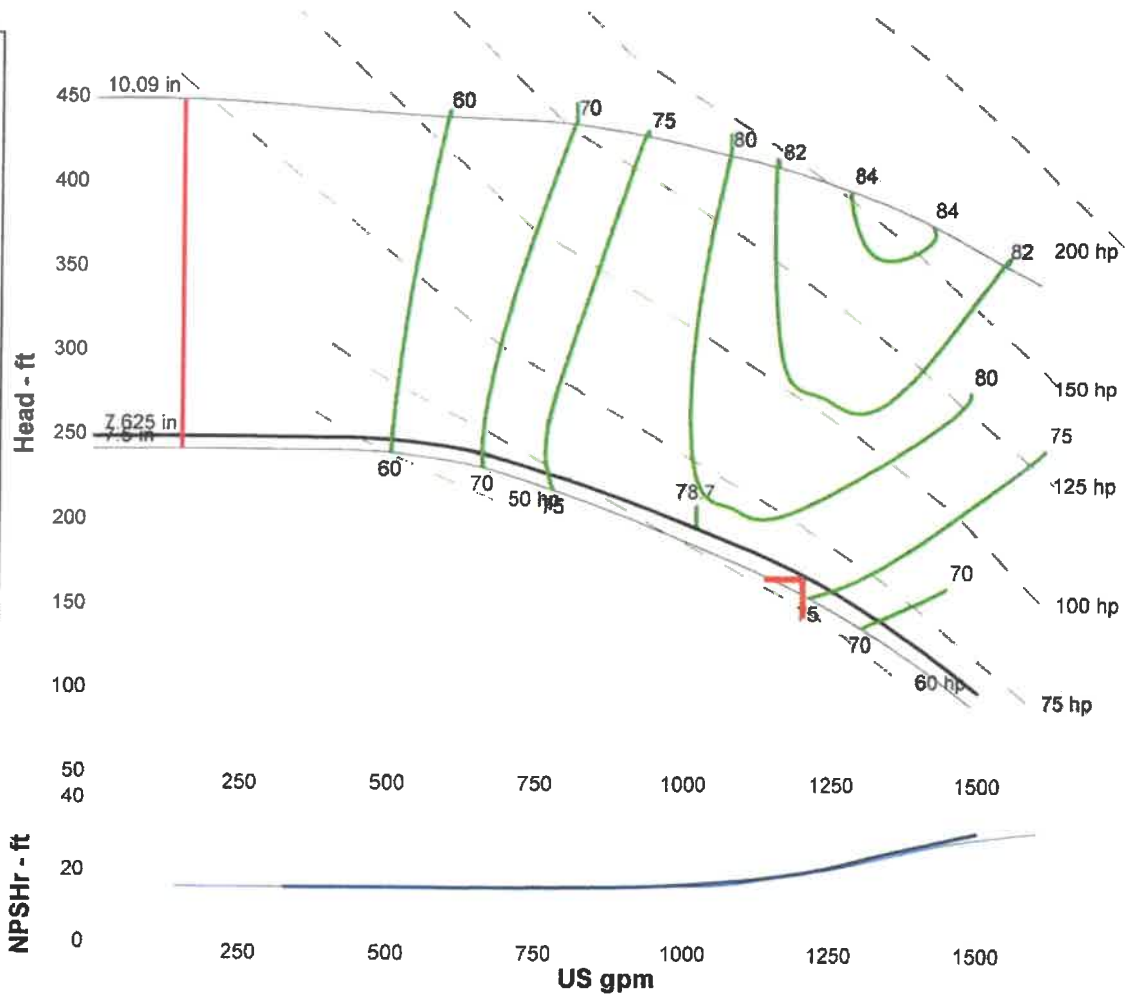
Flow: 1200 US gpm
 Head: 165 ft
 Eff: 76%
 Power: 65.9 hp
 NPSHr: 20 ft

— Design Curve —

Shutoff head: 248 ft
 Shutoff dP: 107 psi
 Min flow: 150 US gpm
 BEP: 79% @ 1018 US gpm
 NOL power:
 69.5 hp @ 1502 US gpm

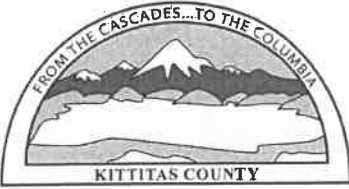
— Max Curve —

Max power:
 170 hp @ 1600 US gpm



Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1440	3560	113	59	68.8	28.4
1200	3560	166	76	65.9	20
960	3560	202	78	62.5	15.9
720	3560	232	73	57.7	15.1
480	3560	246	58	51.1	15



**KITTITAS COUNTY
COMMUNITY DEVELOPMENT SERVICES**

Receipt Number: CD19-00375

411 N. Ruby St., Suite 2
Ellensburg, WA 98926
509-962-7506 / <https://www.co.kittitas.wa.us/cds/>

Payer/Payee: WALLACE RANCH II LLC
330 112TH AVE NE STE 200
BELLEVUE WA 98004-5800

Cashier: RACHEL KANE
Payment Type: CHECK (16774)

Date: 02/26/2019

SX-19-00004 Shorelines Exemption		HWY 10 CLE ELUM		
<u>Fee Description</u>	<u>Fee Amount</u>	<u>Amount Paid</u>	<u>Fee Balance</u>	
Public Works Shoreline Exemption	\$550.00	\$550.00	\$0.00	
SX-19-00004 TOTALS:		\$550.00	\$550.00	\$0.00
TOTAL PAID:			\$550.00	

