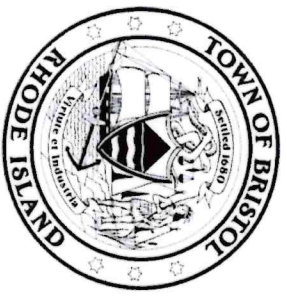


TOWN CLERK'S OFFICE  
BRISTOL, RHODE ISLAND  
2024 JAN 31 AM 10:38

# Main Lift Pump Station

## WPCD - BRISTOL



TOWN COUNCIL

FEB 7 - 2024

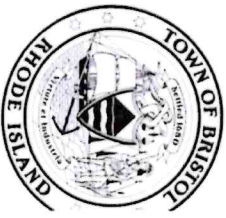
MEETING

# Main Lift Pump Station

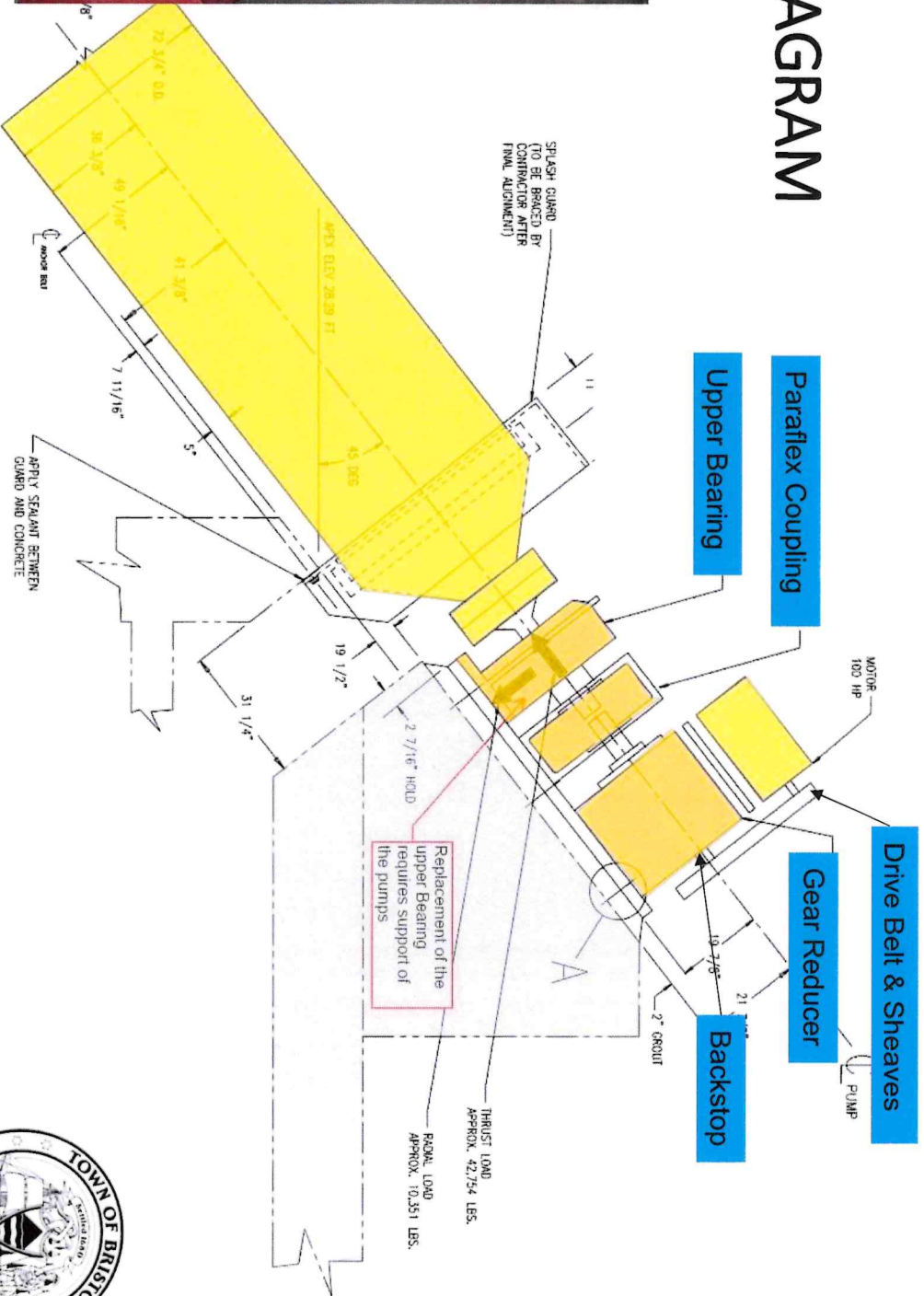
Maintenance is required and we are seeking funding

Recent repair and evaluation revealed damaged parts

- Upper Bearing
- Paraflex Coupling
- Gear Reducer



# SCREW PUMP: DIAGRAM



# 2023 Screw Pump Evaluation

## Pump 1 – South Pump

- **Replace Upper Bearing (Rusting)**
- Rebuild / Replace Gear Box
- Replace Paraflex Coupling
- Replace Motor Sheaves

## Pump 2 – North Pump

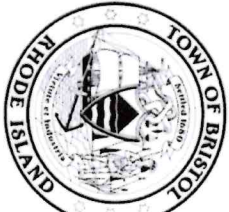
- **Replace Upper Bearing (Rusting)**
- Replace Paraflex Coupling
- Replace Motor Sheaves





# Project Challenges

- ACCESS and ACCESS
- Bypass Pumping
- Upper Bearing Replacement
- Rigging to Support "Full" Pump and allow removal



# Screw Pump Repair – Bid #1 Results

BETA ESTIMATE	HART BID #1 11/15/2023	HART BID #1 (Reduced)	
\$ 510,000	\$ 867,000	\$ 779,000	BID Rejected

BID #1 – Hart was sole bidder

- At Town’s request BETA worked with HART to discuss their Approach for the work. HART re-evaluated their Bid and provided reduction based on ability to complete work on two screw pumps simultaneously



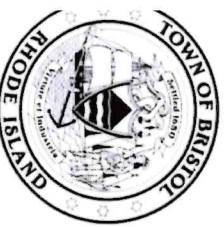
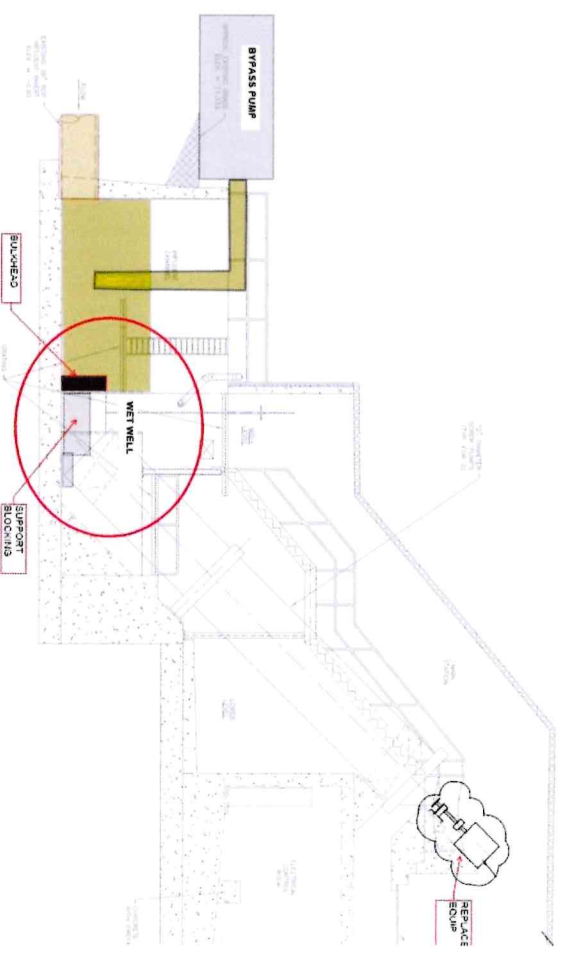
# BID REVIEW

BETA Thinking

- **Complete one pump at a time**
- One Screw Pump remains operational (limits bypass)
- Support Pump from Above

HART BID

- **Support Pump from Below (WET WELL)**
- Too much risk to support from above
- Requires entry and cleaning of wet well (2)
- **Turn Both Pumps Off**
- Create Safe Work Environment
- Additional Bypass Pumps and Time required

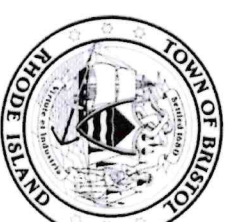


# Screw Pump Repair – Bid #2 Results

BETA ESTIMATE	HART BID #1 11/15/2023	HART BID #1 (Reduced)	HART BID #2 1/17/2024
\$ 510,000	\$ 867,000	\$ 779,000	\$ 749,000

BID #2 – Hart was sole bidder

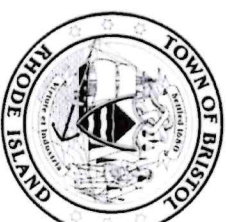
- Arden Egr expressed interest but was unable to submit their Bid in time





# RECOMMENDATION

– Award to HART Engineering Corp. for \$749,000



# QUESTIONS AND DISCUSSION

