

FIRST HILL BPS SYSTEM TUNING RFQ NUMBER: 25-31 ADDENDUM NO. 2

ISSUED THIS DATE: June 25, 2025

RFQ SUBMITTAL DEADLINE: 2:00 PM (PST) on July 1, 2025

This addendum is for the First Hill BPS System Tuning request for qualifications, RFQ No. 25-31, issued June 5, 2025. This document provides agency responses to questions received following the release of Addendum No. 1 and up to the official question submittal deadline.

The addendum shall become fully a part of the above-named project RFQ documents. Each firm shall be responsible for reading this addendum to ascertain to what extent and in what manner it affects the scope of work.

This Addendum consists of a total of nine (9) pages, as detailed below:

- 1. ADDENDUM No.02, dated June 25, 2025, containing answers to questions received. Total of 1 page.
- 2. Station Mechanical Plan_Rev.D*. Total of 2 pages.
- 3. Email approving and describing changes of new Rev.E*. Total of 4 pages.
- 4. Station Mechanical Plan_Rev.E*. Total of 1 page.
- 5. Station Exterior Piping as-built sketch. Total of 1 page.

*Note: Revisions D and E are both provided because neither, on their own, contains the complete mechanical plan details. While not confirmed as as-built records, these approved mechanical plan revisions are expected to more accurately reflect current conditions than the original station design plans that have been provided.

Questions & Answers

Q1: Are there as-builts available? We noticed discrepancies between the current piping configuration and the design drawings that were provided.

A1: No complete as-built record can be located at this time. Final mechanical submittals will be provided.

Q2: Will the City plan to use its own programmer to implement any required SCADA updates?

A2: Yes, the City is currently under contract with Brown & Caldwell to perform any necessary programming updates.

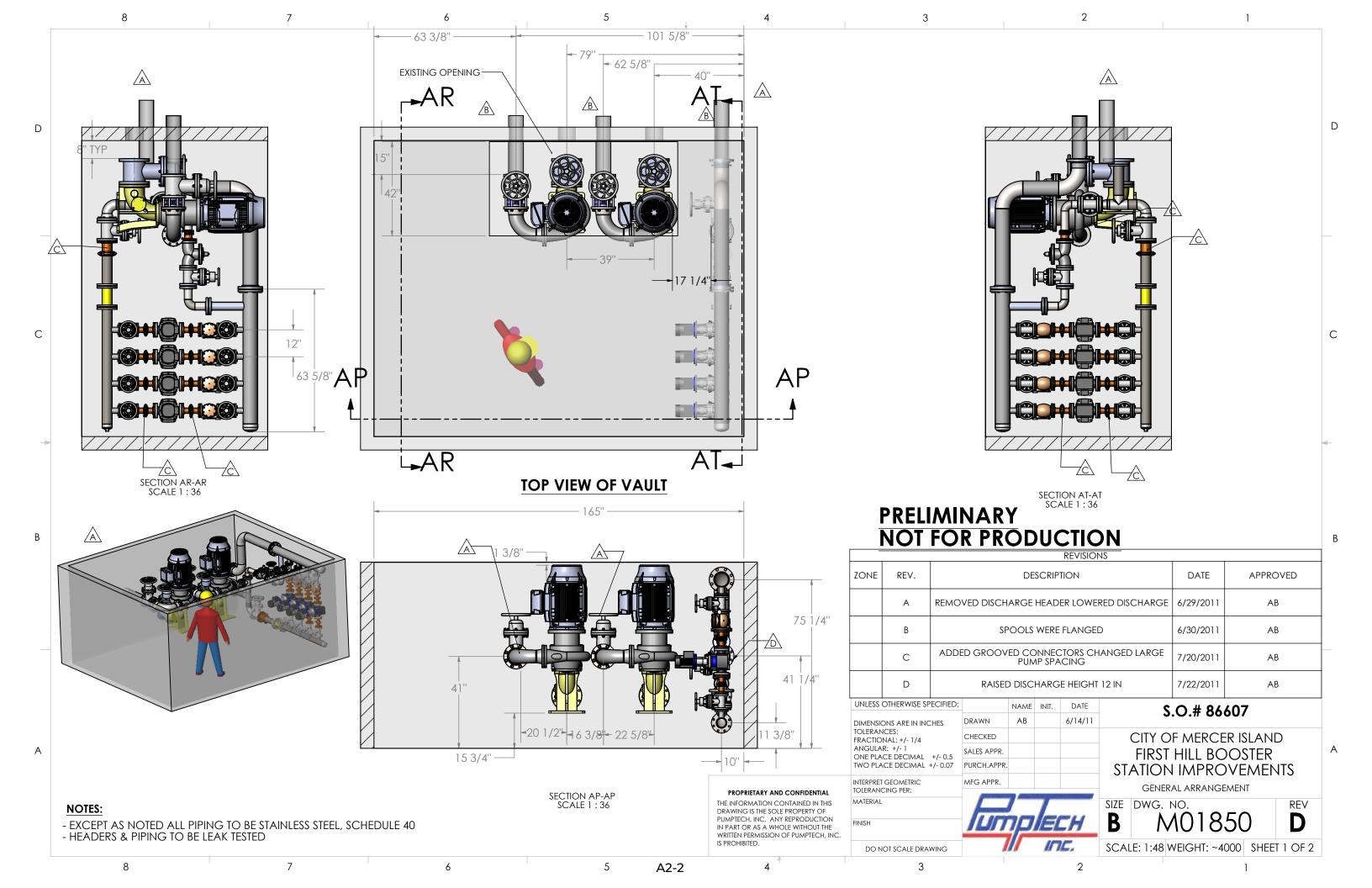
Christopher Marks, P.E.

Istoph blak

Utilities Engineer

City of Mercer Island – Public Works

206.677.1027 | mercerisland.gov/publicworks



8		/	0		+	4	3		Z	
	ITEM NO.	QTY. PART NO.		MASNumDESCRIPTION		ITEM NO.	QTY. PART NO.	MA	SNumDESCRIPTION	
	49	2 F5070 3" (CI	low)	AWWA Gate valve	e 3" flanged 150#	1	1 Dummy Flow Meter		Spool spacer for future flow meter 9.375 in le	ona
	50		CLA-VAL) 150#	7.00.00 10.00		2	5 4" Red Ring Gaske		Gasket, 4" 150#	<u> </u>
	51		Maska Copper) or EQ	Face ring 3" 10 ga	SS	3	1 Ø4" Weld Neck Fla		Flange,Ø4" Weld Neck 150#, SS	
	52	6 3" Red Ring		Gasket, 3" 150#		4	2 Pipe, 4" 14in. long		Pipe, 4" schd 40 304SS plain end 14in. lo	ng
	54	1 3in SS pipe	Odsket	3in SS pipe sched	40 × 6"	5	1 2638 (Clow)		Valve, 4" resiliant gate Clow model 2638	
	55	2 5015-7 (Pac	٥)		1 20-50157-15.0001-1893		3 SK-P-1 4" (Alaska (Connr)	Face ring 4" 10 ga SS	<u>ı ıgu</u>
		,	,	-						
	56	2 Motor 40 hp		 	rpm 230-460v ph 3 odp 3		3 SK-35-P Ø4" or Equ			
	57	2 BaseElbow-6		Cornell Base Elbo		9	1 Gruvlok fig 7084 4"		4" dia adaptor 150# Flange x Groove SS	
	58	2 W-920-W (N		-	ck 6" 125# Iron Body	10	1 Gruvlok FIG_7001		4in coupler for grooved end pipe	
	59	2 5" Red Ring		Gasket, 5" 150#		11	1 Elbow, 4", 90° Shor	t Radius Std	Elbow, 4", 90° Short Radius Std (Steel)	
	60		0-GATE-6IN-150LBS			12	1 Pipe, 4" 4in. long		Pipe, 4" schd 40 304SS plain end 4in. lon	ıg
	63	2 F-6102 8" (C	Clow)		te valve AWWA 150#	13	1 4" Tee		Tee, Straight 4" sched 40 Stainless	
	64	2 8" Red Ring	Gasket	Gasket, 8" 150#		14	1 Reducer 4x3 Conce	entric	Concentric Reducer, 4x3 316SS sched 40	0 bu
	65	2 6"x5" Reduc	ing Elbow SS	Taper Reducing Elb	oow 90° 6 x 5 #150 butt we	ld 15	1 Flange, 3" Slip-On	150#	Flange, 3" Slip-On 150#, SS	
	66	2 68095K252	(McMaster) or EQ	Flange, 5" Weld N	eck 316 SS 150#	16	1 wall of vault			
	67		/eld Neck 150# SS	Flange, 6" Weld N		19	2 3" Short Elbow 90°	Sched.40 SS	Elbow, 90° 3" Short Sched.40 SS	
	68		by gruvlock adapter FIG		,	20	4 3" VS Flange		3 in Vanstone Flange #150 316SS	
	69		7001 3 in or EQ		red end pipe 3" dia	21	2 Pipe, Ø 3" (6" Lon	a) Sched 40 SS	Pipe, Ø 3" x 6" Long Sched. 40 SS	
	70		(4" Long) Sched. 40 SS			22	1 Pipe, Ø 3" (9" Long		Pipe, Ø 3" x 9" Long Sched. 40 SS	$-\parallel$
	71		4-1/2" Long) Sched. 40 SS	 	Long Sched. 40 SS	23	1 Pipe, 4" 52in. long		Pipe, 4" schd 40 SS plain end 52in. long	$-\parallel$
	7 1	1 1 1 1 1 2 3 1 1	+-1/2 Long) oched. +0 oc		Long Scried. 40 SS	24	1		316 \$Bipe, Ø2" x 4" Long 316 \$S	
			(56)			25	8 SK-1-P 2in (Alaska		Backing Ring, 2" 10ga 316SS	
PRELIMIN	IARY		\vee			26				
		NUCTION					8 SK-35-P Ø2" or Equ			
NOI/FQN	SKE	DUCTION				27	28 2" Red Ring Gaske	τ	Gasket, 2" 150#	
BY	OTHERS			(43)		28	1 Cap, Pipe 4" SS		Cap, 4" schd 40 SS	$-\parallel$
	OTTLERO	DLAIN	(42)	(46) (31)		29	1 1" Coupling Half 30		Coupling Half, 1" NPT 304 SS	
			ND			30	1 Pipe 6" dia x 60 Lor		Pipe, 6" dia schd 40 304 SS plain end, 60	<u>0 in</u>
		\ SPOOL				31		uiv. (Alanskan Coppe		
		\ BY C			(34) (30)	32	1 6inch Cap		Cap 6" SS sched 40	
					(32)	33	1 SK-P-1 6" (Alaska (Copper) or EQ	Face ring 6" 10 ga SS	
			42		, (34	4 Pipe, Ø2" (4" Long)	316 SS	Pipe, Ø2" x 4" Long 316 SS	
(60)				22)		35	4 CR10-2 (Grundfos)		Grunfos pump and motor CR10-2 with An	ısi fl
				22) (68)	26	36	8 2 in Clow gate valve	e	2" Gate Valve AWWA #150 flanged	
				(69)		38	4 1106LW (Clow)		Swing Check Valve 2" W/ outside Lever & We	ight
						39	8 Grulock FIG 7001	2 in or EQ	Coupling for grooved end pipe 2" dia	
					38) 40	8 Gruvlok fig 7085 2ir		2" dia adaptor 300# Flange x Groove SS	
						41	8 Grulok fig 7084 2in		2" dia adaptor 150# Flange x Groove SS	
		7			(41)	42	4 90 Deg. Long Radiu		Elbow, 6" Long Radius 90 Deg. Sched. 40 S	
	1			49	39	43	2 Pipe 6" dia x 36 Lor		Pipe, 6" dia schd 40 304 SS plain end, 30	
			100 Vage	15)) 44	2 Pipe 6" dia x 16 Lor		Pipe, 6" dia schd 40 304 SS plain end, 10	
				(14)	40	45	2 Pipe 6"dia x 4.0 lor		Pipe, 6" dia sched 40 304SS x 4.000 long	
		6/6/4/6			35	46	•	-		9
	600	(58)	66 66		(35	· \	4 Flange, 6" Vanston		Vanstone Flange, 6" dia 150# 316SS	
$\binom{67}{67}$ $\binom{65}{6}$		(55)	$(8)_{-}/(3)_{-}$		40	47	9 6" Red Ring Gaske		Gasket, 6" 150#	
			4)	(8)		48	4 SK-1-P 6in (Alaska	n Copper) or EQ	Backing Ring, 6" 10ga 316SS	
(63)		(63)				39)				
		(65)	(12)				UNLESS OTHERWISE SPECIFIED	: NAME INIT.	DATE C 0 # 0//07	
(37)		(57	(71)		(36)	<u>/C\</u>	DIMENSIONS ARE IN INCHES		S.O.# 86607	
		(3/					DIMENSIONS ARE IN INCHES TOLERANCES:			
			^		24)	FRACTIONAL: +/- 1/4 ANGULAR: +/- 1	CHECKED	CITY OF MERCER ISLAND	
			<u>/c\</u>	-9 4 -8	(29		ONE PLACE DECIMAL +/- 0.5	SALES APPR.	FIRST HILL BOOSTER	
					(23)		TWO PLACE DECIMAL +/- 0.07	PURCH.APPR.	STATION IMPROVEMENTS	
					20		INTERPRET GEOMETRIC TOLERANCING PER:	MFG APPR.	GENERAL ARRANGEMENT	
						ARY AND CONFIDENTIAL				
					DRAWING IS T	TION CONTAINED IN THE THE SOLE PROPERTY OF			SIZE DWG. NO.	
						IC. ANY REPRODUCTIO S A WHOLE WITHOUT TH			B M01850 C)
						MISSION OF PUMPTECH,				
					is Pronibited.		DO NOT SCALE DRAWING		SCALE: 1:48 WEIGHT: ~4000 SHEET 2 C)F 2
8		7	6	5	A2-3	4	3		2	
					~∠ -3					

RE: First Hill Booster Pump Station - Final Revisions on Permanent Pumping System Vigilia, Rudy

To: Rona Lin (Mercer Island)

Sent On: Friday, August 05, 2011 9:20:01 AM

Archived On: Friday, August 05, 2011 9:20:19 AM

Identification

Code:

eml:e3d076da-2967-4842-93fb-482ed81c8865-2147261673

Folders: Inbox

Rona -

Since everyone had already "agreed" to REV D...which addressed the City's/HDR comment of equipment/valve removal from REV B...REV E should not be an issue.

As with all other submittals, I will send an E-Mail to you formally accepting REV E.

Please feel free to call me if you have any questions regarding this matter.

Thanks!!

RUDY VIGILIA, PE WATER BUSINESS CLASS HDR Engineering, Inc. Senior Project Manager

500 108th Avenue NE # 1200 | Bellevue, WA 98004 425.450.6343 | c: 425.765.7482 rudy.vigilia@hdrinc.com | hdrinc.com Follow Us - Architizer | Facebook | Twitter | YouTube | Flickr

----Original Message----

From: Rona Lin [mailto:Rona.Lin@mercergov.org]

Sent: Friday, August 05, 2011 8:46 AM

To: Vigilia, Rudy

Subject: RE: First Hill Booster Pump Station - Final Revisions on

Permanent Pumping System

Alia suggested the changes from Rev D to Rev E, so you can say that Alia agrees to the changes. Mark said he can do the piping outside per Rev E.
Rona

~~~~~~~~~

# FW: First Hill Booster Pump Station - Final Revisions on Permanent Pumping System Vigilia, Rudy

To: Rona Lin (Mercer Island)

Sent On: Friday, August 05, 2011 9:42:17 AM

Archived On: Friday, August 05, 2011 9:43:25 AM

Identification

Code:

eml:e3d076da-2967-4842-93fb-482ed81c8865-2147261582

Folders: Inbox

Attachments: DOC072811.pdf (884 KB) FW: REV D.eml (5.02 MB)

#### Rona -

Since a formal re-submittal was never made, let's call the attached pdf Submittal 11304-02.

The attached pdf is "A - Furnished as Submitted".

## \*\*\*\*\*

Please feel free to call me if you have any questions regarding this matter.

Thanks!!

RUDY VIGILIA, PE WATER BUSINESS CLASS HDR Engineering, Inc. Senior Project Manager

500 108th Avenue NE # 1200 | Bellevue, WA 98004 425.450.6343 | c: 425.765.7482 rudy.vigilia@hdrinc.com | hdrinc.com Follow Us - Architizer | Facebook | Twitter | YouTube | Flickr

From: Rona Lin [Rona.Lin@mercergov.org]
Sent: Thursday, August 04, 2011 14:36

To: Vigilia, Rudy

Subject: First Hill Booster Pump Station - Final Revisions on

Permanent Pumping System

## Rudy,

Since your last site visit, PumpTech submitted another revision

of the Permanent Pump System, Revision D! In there, Jack indicated that the clearance above the large pumps was only 1-3/8 inches. Since the hole was excavated and everything is now fully exposed, Mark said he would try lowering the suction line as much as possible (as low as he can go and still leave a bit of room above the storm pipe). After Jack coming to look at it again, he made one more revision -- Revision E.

Attached in the PDF is the 'final' revision of the Permanent Pumping System submitted by PumpTech. This is Revision E. It's Revision D with changes marked by hand written notes. The only changes in Revision E, different from Revision D, are 1) lower the base on the large pumps by 2-3/4 inches, and 2) move both of them 2 inches toward west.

Also attached is the email contains Revision D.

Please review and provide comments/approval if you agree to the changes. You already gave the verbal approval to the changes incorporated in Revision D. Alia and PumpTech are expecting a formal approval from us, preferably ASAP.

I notice they did not include a submittal form. Do you need it? Please let me know if you do. Thanks!!

----Original Message----

From: David Pankiewicz [mailto:dpank@rlalia.com]

Sent: Tuesday, August 02, 2011 12:00 PM

To: Rona Lin

Subject: FW: Send data from TOSHIBA3530C 07/28/2011 08:48

Rona,

Mark asked me to send this to you.

----Original Message----

From: Jack Boyd [mailto:JBoyd@pumptechnw.com]

Sent: Tuesday, August 02, 2011 11:56 AM

To: David Pankiewicz

Subject: FW: Send data from TOSHIBA3530C 07/28/2011 08:48

David - These adjustments reflect C/L changes for the pipe penetrations in the vault and identifies the vertical plane for suction and discharge piping. We need confirmation from all first, and then I'll adjust the drawing to reflect those changes

## as REV. E

----Original Message----

From: Jack Boyd

Sent: Thursday, July 28, 2011 9:06 AM

To: 'David Pankiewicz'

Subject: FW: Send data from TOSHIBA3530C 07/28/2011 08:48

REV D with 7/27/11 adjustments to dimensions...

----Original Message----

From: PumpTech, Inc. Scanner [mailto:scanner@pumptechnw.com]

Sent: Thursday, July 28, 2011 8:48 AM

To: Jack Boyd

Subject: Send data from TOSHIBA3530C 07/28/2011 08:48

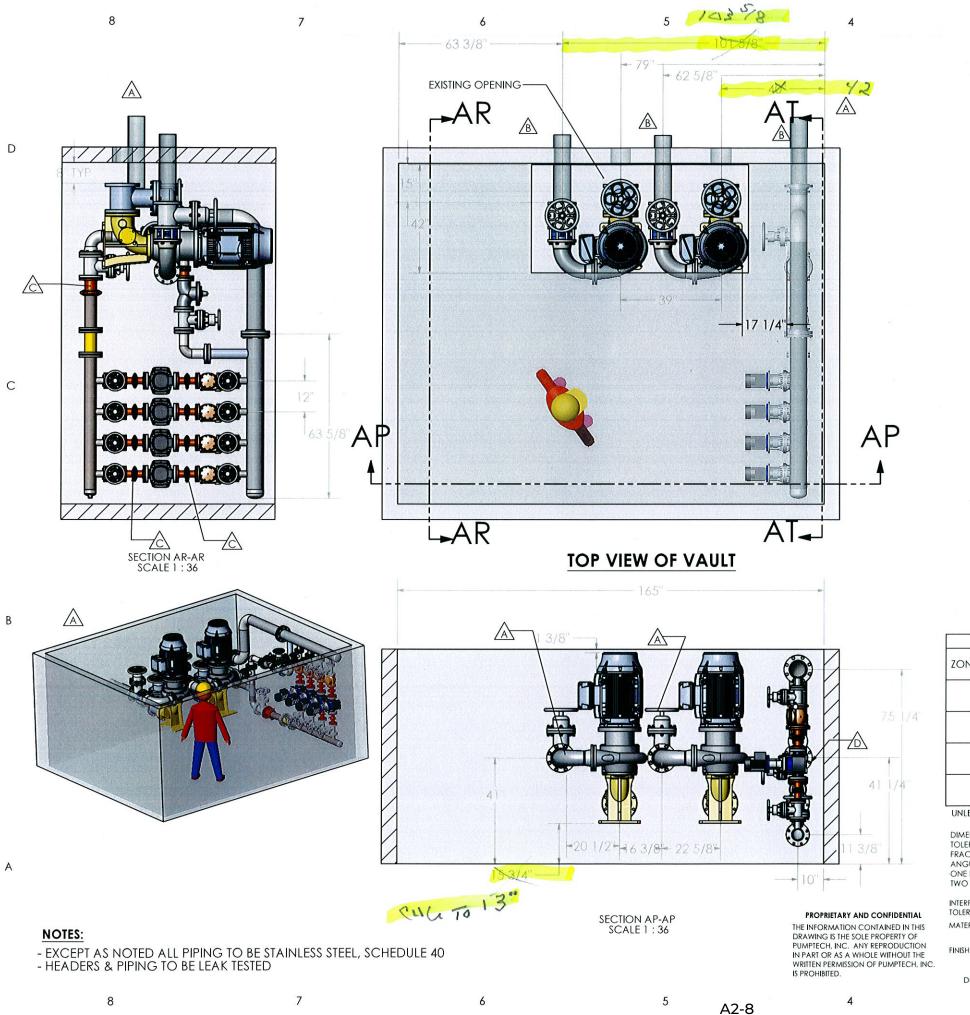
Scanned from TOSHIBA3530C.

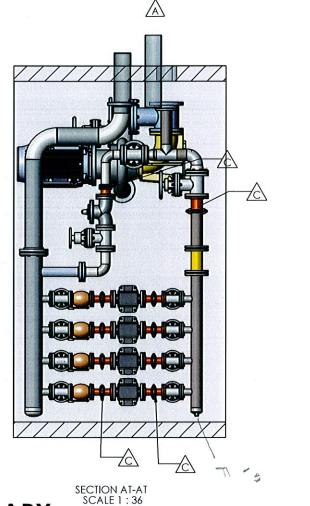
Date: 07/28/2011 08:48

Pages:1

Resolution:200x200 DPI

\_\_\_\_\_





**PRELIMINARY** NOT FOR PRODUCTION

CHECKED

SALES APPR.

MFG APPR.

| REVISIONS |      |                                                     |           |          |  |  |  |  |
|-----------|------|-----------------------------------------------------|-----------|----------|--|--|--|--|
| ZONE      | REV. | DESCRIPTION                                         | DATE      | APPROVED |  |  |  |  |
|           | Α    | REMOVED DISCHARGE HEADER LOWERED DISCHARGE          | 6/29/2011 | АВ       |  |  |  |  |
|           | В    | SPOOLS WERE FLANGED                                 | 6/30/2011 | АВ       |  |  |  |  |
|           | С    | ADDED GROOVED CONNECTORS CHANGED LARGE PUMP SPACING | 7/20/2011 | AB       |  |  |  |  |
|           | D    | RAISED DISCHARGE HEIGHT 12 IN                       | 7/22/2011 | АВ       |  |  |  |  |

UNLESS OTHERWISE SPECIFIED: DATE S.O.# 86607 6/14/11 DRAWN

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: +/- 1/4 ANGULAR: +/- 1 ONE PLACE DECIMAL +/- 0.5 TWO PLACE DECIMAL +/- 0.07 PURCH.APPR.

INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL

CITY OF MERCER ISLAND FIRST HILL BOOSTER STATION IMPROVEMENTS

GENERAL ARRANGEMENT

SIZE DWG. NO.

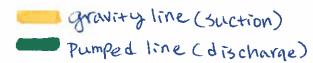
M01850

**REV** 

D

SCALE: 1:48 WEIGHT: ~4000 SHEET 1 OF 2

DO NOT SCALE DRAWING 3



# **BOOSTER PUMP STATION**



