

# KENNEY, INC.

105 PARIS PIKE  
MT. STERLING, KENTUCKY 40353

PHONE 859-498-3686  
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HARTLAND PUMP STATION No. 1  
FAYETTE Co., KY

Attention: MR. RICK DAY

September 1, 2015

**PROPOSAL No. 1A - COMPLETE PUMP DISCHARGE PIPING FROM NEW PUMP BASE & TIE-IN AT EXISTING FORCE MAIN CONNECTION. ADD CROSS OVER CONNECTION AS SHOWN IN PROPOSED DRAWING.**

ITEM	SCOPE OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	TIE-IN TO EXISTING 6" FORCE MAIN w/ADDED CROSS OVER	1	LS	\$ 3,220.00	\$ 3,220.00
2	VERTICAL PIPE INSTALLED IN NEW WET WELL BASIN	1	LS	\$ 2,510.00	\$ 2,510.00

Total Proposed Amount \$ **5,730.00**

Item 1 of this Proposal is Contingent upon the following conditions:

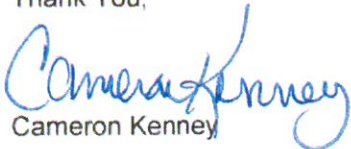
- The existing check valves & gate valves are in good working condition & will seal off upstream sewage in the line.
- Bypass pumping is not included in this Proposal. I'm assuming there is adequate storage in both wells to maintain flows for approximately 1 hour (We estimate cutting out the old pipe and installing the new piping will take approx. 1 hour).
- If cross over tie-in is required to be done at night, please add 20% to Item 1 total.
- Existing Piping in existing Wet Well to remain in place.
- Using the cross over connection as proposed, the existing pump station will have to be shut down for approx. 1 hour.

Maintaining existing flow during the Cross Over connection -

I havent seen any data showing the actual GPM this station receives. I've calculated the Storage capacity to be approx. 5,650 gallons using both wet wells. Anything beyond the 5,650 we will start surcharging the inlet gravity lines. I don't know if surcharging the existing lines is an option? If the flow entering the station is below 94 GPM we should be fine. The City may be able to pull the daily cycle times and incorporate the GPM's for existing pump in order to determine the average GPM's and also find out when would be the best time to complete this crossover.

If you have any questions or comments, please advise.

Thank You,

  
Cameron Kenney

PLANNED ALIGNMENT  
PROPOSED ALIGNMENT

DETERMINE ELEVATION OF EXISTING FORCE MAIN. FORCE MAIN FROM NEW WET WELL TO BE AT SAME ELEVATION OF EXISTING.

PROPOSAL No. 1  
ADDED TIE-IN  
6" x 45° BEND MJ  
401 LINED

6" x 45° BEND MJ  
401 LINED  
N 3,875,001.62  
E 5,291,086.07

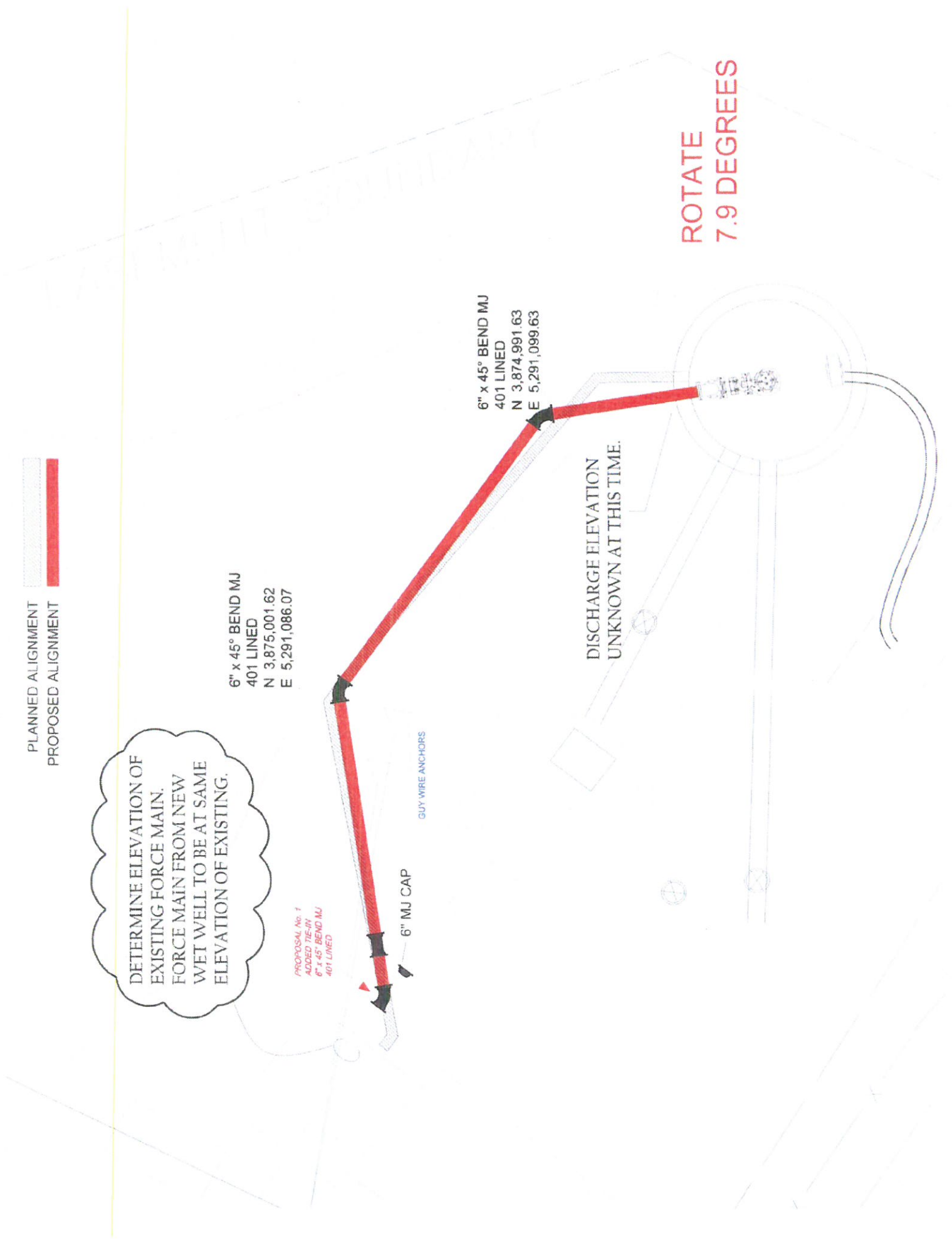
6" MJ CAP

GUY WIRE ANCHORS

6" x 45° BEND MJ  
401 LINED  
N 3,874,991.63  
E 5,291,099.63

DISCHARGE ELEVATION  
UNKNOWN AT THIS TIME.

ROTATE  
7.9 DEGREES



DETERMINE ELEVATION OF EXISTING FORCE MAIN. FORCE MAIN FROM NEW WET WELL TO BE AT SAME ELEVATION OF EXISTING.

6" x 45° BEND MJ  
401 LINED  
N 3,875,001.62  
E 5,291,086.07

PROPOSAL No. 1A  
ADDED TIE-IN  
6" x 45° BEND MJ  
401 LINED

GUY WIRE ANCHORS

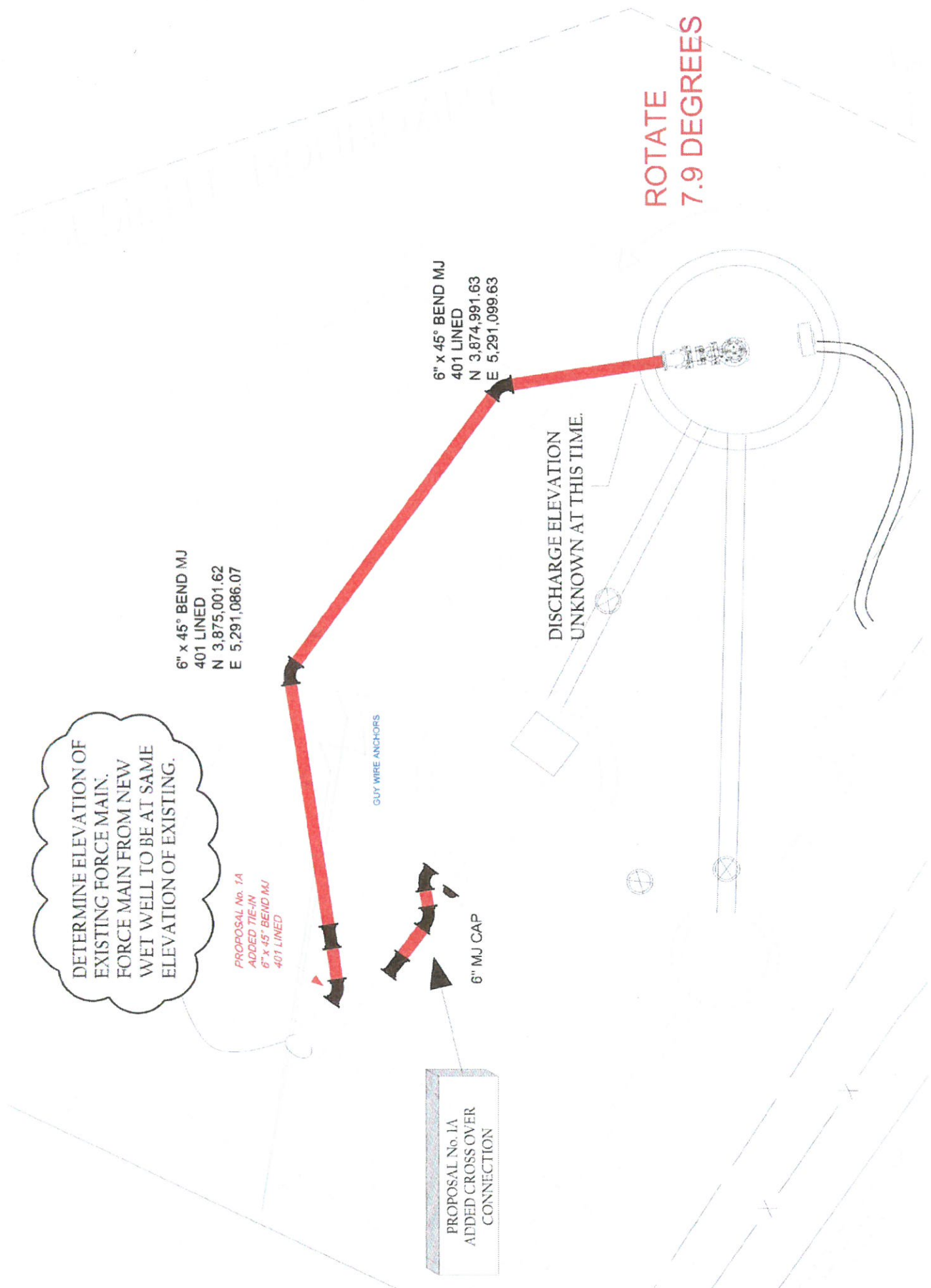
PROPOSAL No. 1A  
ADDED CROSS OVER  
CONNECTION

6" MJ CAP

6" x 45° BEND MJ  
401 LINED  
N 3,874,991.63  
E 5,291,099.63

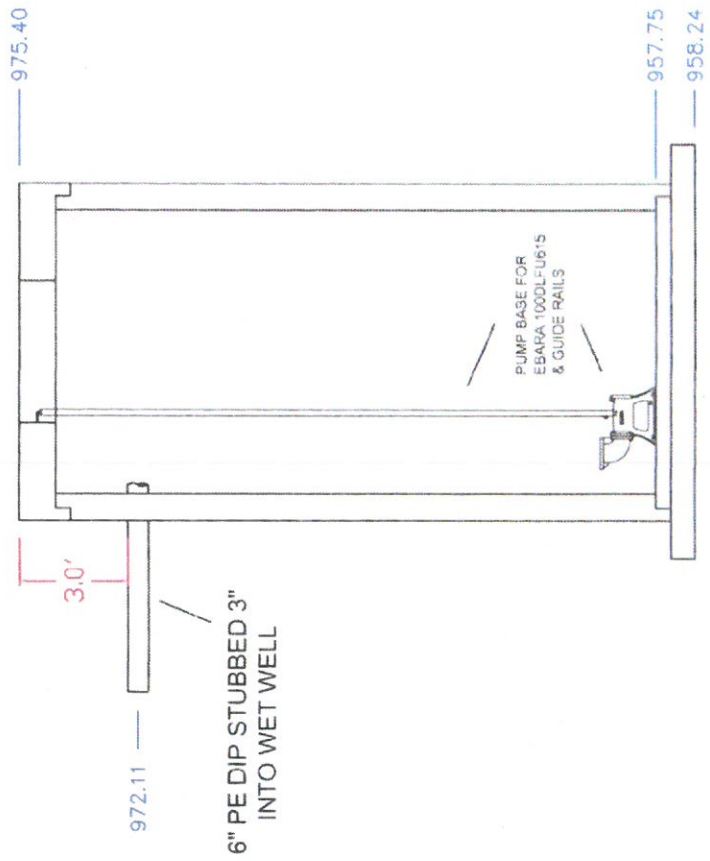
DISCHARGE ELEVATION  
UNKNOWN AT THIS TIME.

ROTATE  
7.9 DEGREES

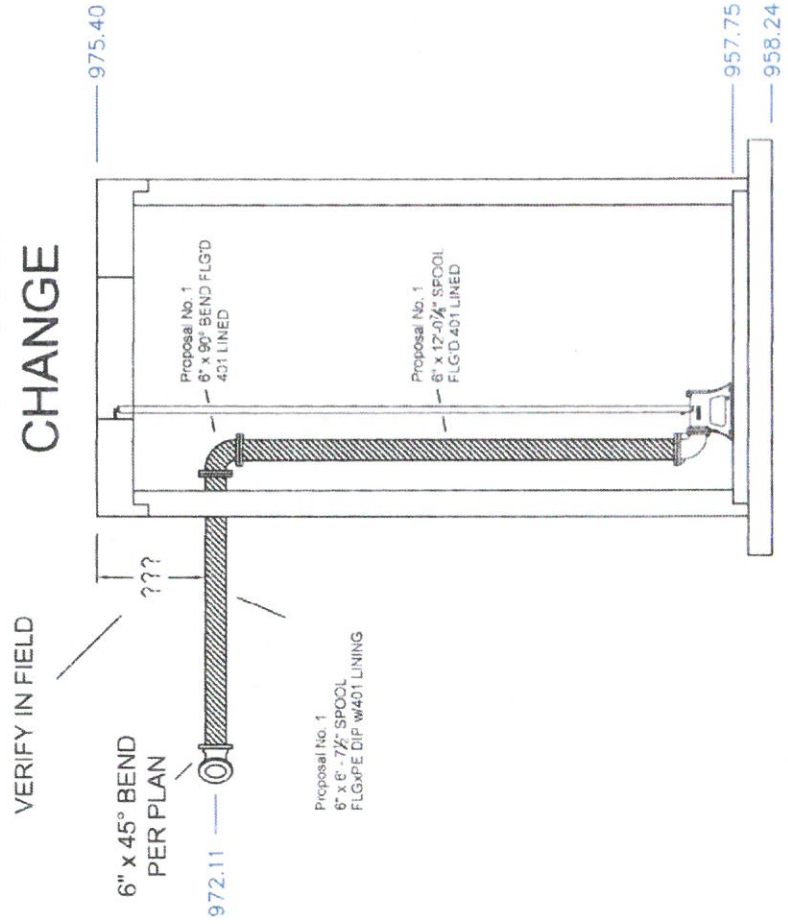


# HARTLAND No. 1 PROPOSED DISCHARGE PIPING CHANGE

## ORIGINAL PLAN



## PROPOSED CHANGE



# HARTLAND No. 1 ADJUSTED ALIGNMENT FOR NEW WET WELL

