

**NORTH RIDGEVILLE CITY COUNCIL
COMMITTEE OF THE WHOLE MEETING MINUTES
COUNCIL CHAMBERS – 6:15 p.m.
OCTOBER 4, 2021**

To Order:

Chairman Martin DeVries called the Committee of the Whole meeting to order at 6:15 p.m.

Pledge of Allegiance:

Led by President Martin DeVries.

Roll Call:

Members present: Councilwoman Holly Swenk, Councilman Dennis Boose, Councilman Bruce Abens, Councilman Clifford Winkel, Councilman James Maleski, Councilman Jason Jacobs, and President Martin DeVries.

Also present: Mayor Kevin Corcoran, Safety-Service Director Jeff Armbruster, Clerk of Council Nancy Linden, Auditor April Wilkerson, French Creek Superintendent Corey Timko, Deputy Clerk of Council Tina Wieber, and Director of Public Utilities Tara Peet.

Minutes:

There were none.

Correspondence:

There were none.

New Business - discussion regarding T 107-2021:

T 107-2021 AN ORDINANCE AUTHORIZING THE MAYOR TO ENTER INTO A CONTRACT ACCORDING TO LAW, AND IN A MANNER PRESCRIBED BY LAW, WITH R.E. WARNER, AN ENGINEERING DESIGN FIRM, FOR THE DESIGN OF AN ALTERNATE LOCATION FOR THE FRENCH CREEK WASTEWATER TREATMENT PLANT INFLUENT BAR SCREENING SYSTEM, NOT TO EXCEED \$55,800.00.

Superintendent Timko gave an overview of T 107-2021. He stated they went through the engineering and had a plan. When they got to the 90% mark in design review, the existing screens flooded. They are 22 feet in total length. They ran through the cost of what the repair would cost in the event of flooding, it was estimated to be \$20,000 to \$30,000 per rain event. Superintendent Timko stated they then asked if it could be moved out. He noted they wanted to bring it up to ground level which would be serious concrete work and design. They could put it

in front of the grit chamber and eliminate flooding and maintenance work. Superintendent Timko went back to look at a redesign and discussed it with the administration. It will cost more design money than originally planned. The second unit would be eliminated and the unit would be reduced after speaking with R.E. Warner. He requested they help him cut costs in any way they could. Superintendent Timko stated some of the work is wasted but some of the design work can be used.

President DeVries asked how long the project would take from start to finish.

Superintendent Timko felt within a year.

President DeVries asked if there would be an interruption.

Superintendent Timko stated no.

President DeVries asked how high the water runs.

Superintendent Timko stated that is a total of 17 feet. It was covered in water at 32 feet at one point. The wet well is designed to flood to the 100 year level. With the new design, everything would be removed from the wet well. Everything that is going down is temporary because it would flood again.

President DeVries asked what breaks when it floods.

Superintendent Timko stated motors, gearing, and gear reducers.

President DeVries asked how many times it has flooded.

Superintendent Timko stated probably close to 35 times.

President DeVries asked if this happens in other plants.

Superintendent Timko stated yes, it is designed for flooding. He noted delicate screens do not want to be in the bottom of the wet well. He further stated there are many things that the screen catches like hair, toilet paper, etc.

President DeVries asked about the normal life of a screen.

Superintendent Timko stated about 10 years. He noted they are constantly replacing motors, gear boxes, panels, and chains.

Councilman Boose asked what cleans the screens.

Superintendent Timko stated there is a sprayer and brush that cleans it up top and then it rotates back down. All the debris enters into a hopper. He stated this is the worst and most labor-intensive part of the plant in a very small space.

President DeVries asked if there would be additional software or training needed.

Superintendent Timko stated no. It would be turned on and forget about it.

Councilman Boose asked how much would the cement job cost in addition to the engineering cost.

Superintendent Timko stated because of the screen unit being put on a hill, he believed all the engineering would be dedicated to this for design. He also stated they would place these on pillars. He thought it would be somewhere between \$700,000 and \$800,000. Originally \$700,000 was budgeted. They would be going from two to one unit. Superintendent Timko was not sure how bids would come in.

Councilman Boose stated the \$700,000 is already appropriated. He added the engineers would provide the City with an estimate for the cost.

Superintendent Timko stated that was correct.

Councilman Boose asked if two systems are being reduced to one, is there an issue if one goes down.

Superintendent Timko stated repairs would be quicker and easier and they have a by-pass system.

President DeVries asked what the intentions were with the old equipment and if it was put toward the cost.

Superintendent Timko stated it is scrapped out.

Councilman Abens asked if a specialized electrician needed to do the work.

Councilman Winkel stated the electrician would just need to be bonded and licensed.

Superintendent Timko stated it would be covered in a heated structure.

President DeVries asked for any comments or questions from Council or the administration. No discussion was offered.

President DeVries adjourned the 6:42 p.m.

President DeVries reconvened the meeting at 6:45 p.m.

Moved by Winkel and seconded by Boose to send T 107-2021 to City Council for further consideration.

A roll call vote was taken and the motion carried.

Yes – 7

No – 0

Adjournment:

Chairman DeVries adjourned the meeting at 6:47 p.m.

Approved on October 18, 2021.



PRESIDENT OF COUNCIL



CLERK OF COUNCIL

Screen Upgrade Timeline

Prior to 2018 the screens had been flooded numerous times. There were efforts prior to 2013 to move some components out of the wet well. \$10,000-50,000 per flood event.

2018 Fall-After numerous flooding-Begin process to rebuild or replace screening units-budget

Screens need to be done ahead of the Pump Upgrade project

2019 FC prepared bid documents for new screen rebuild or purchase

Recommended by legal counsel to have outside engineering consultant design screen upgrade and bidding.

Fall-Sought proposal from RE Warner and sent to mayor for approval-\$35,750

Reviewed location options-grass area ruled out-not feasible.

2020 Screen project ready to bid in late spring-Covid delays projects

May-Flooding in the month of May flooded both screening units-met to change to first floor

June-RE Warner provides proposal to move screens to 1st floor-\$29,200-Clas 1 Div1

Fall-Begin work on move to 1st floor

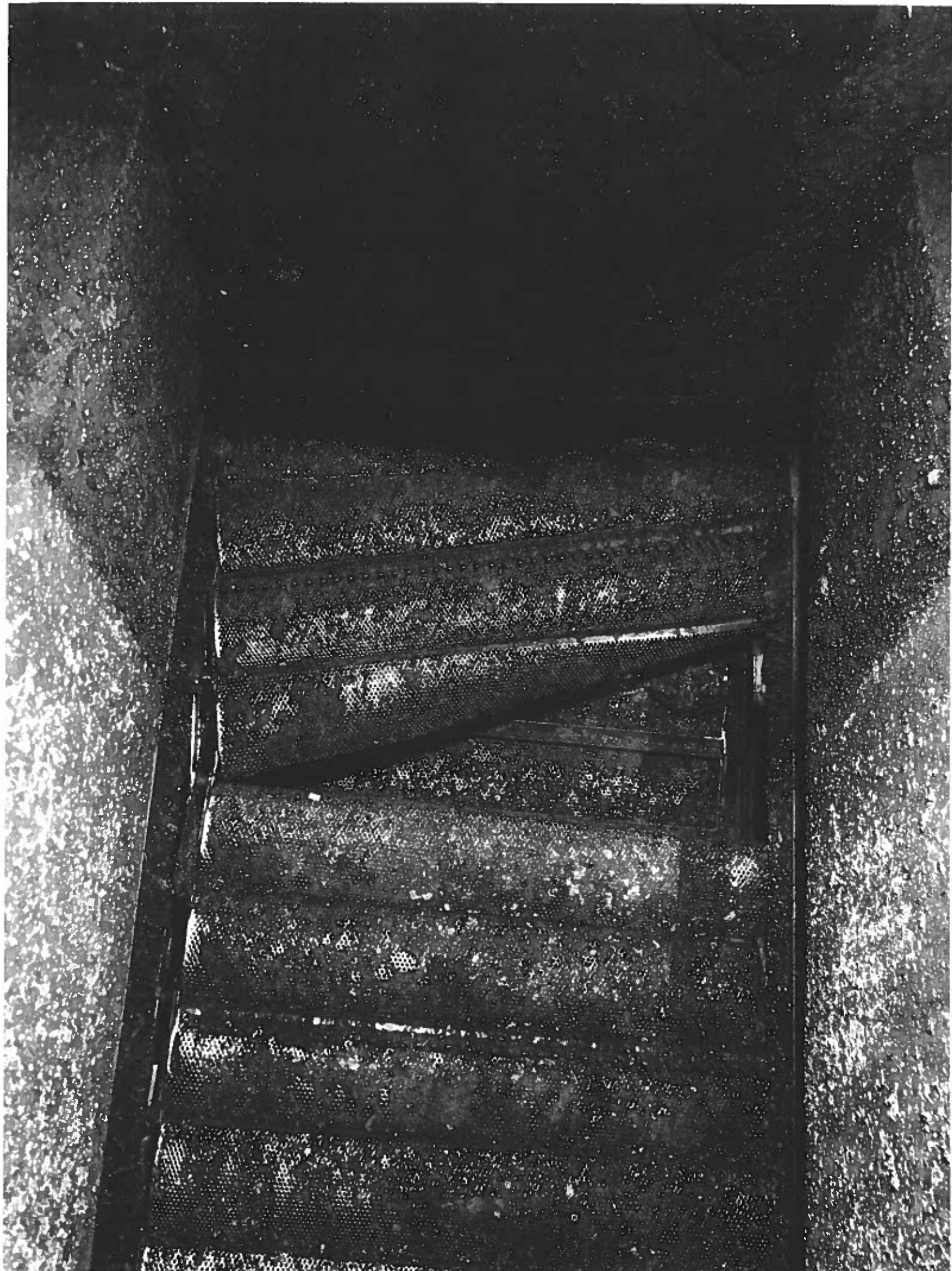
2021 June-During design review maintenance procedure-difficulty and expensive

Long length prone to damage-Enviro-Care repair costs increasing

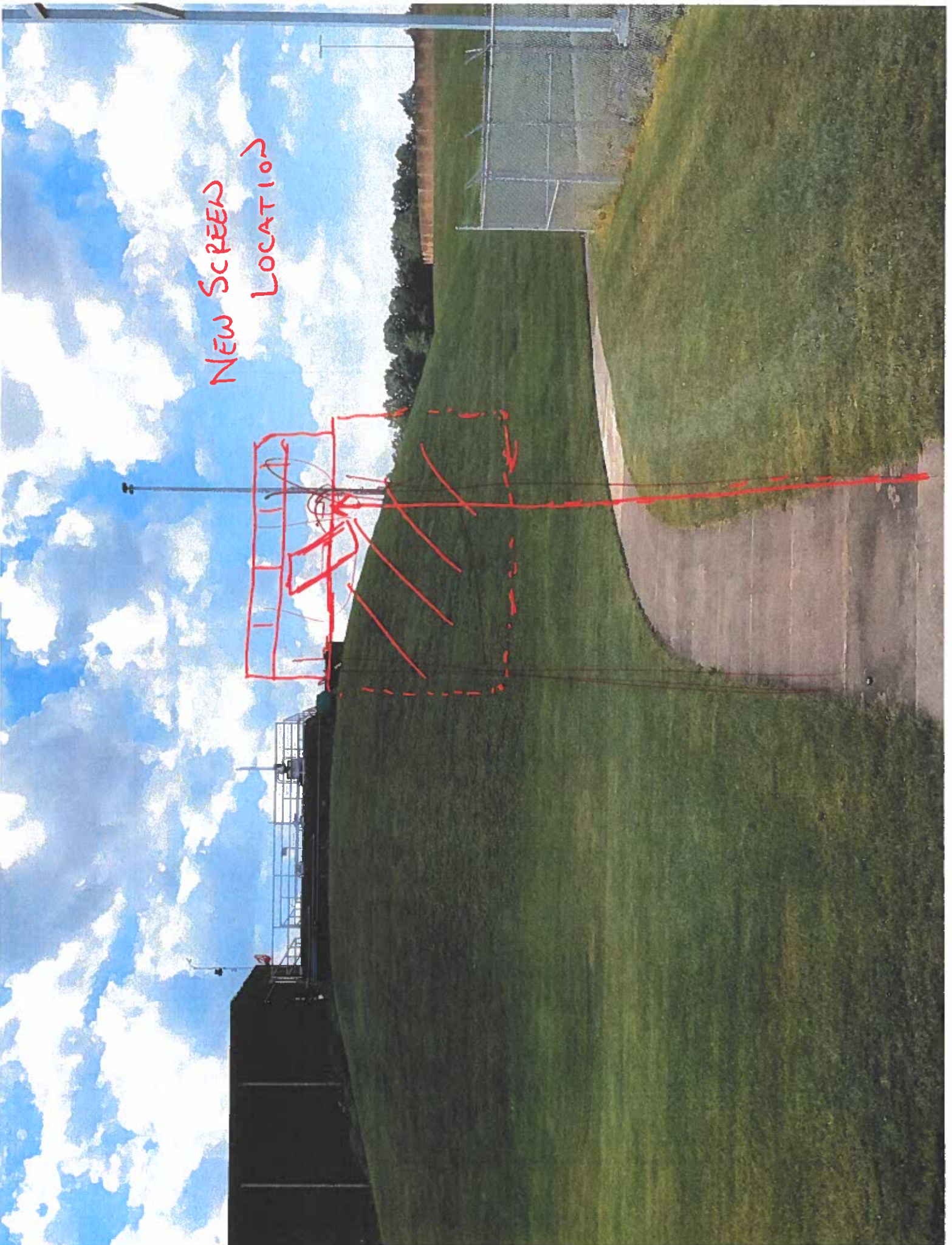
Again ask if moving out of well option-Grit move examined-Feasible

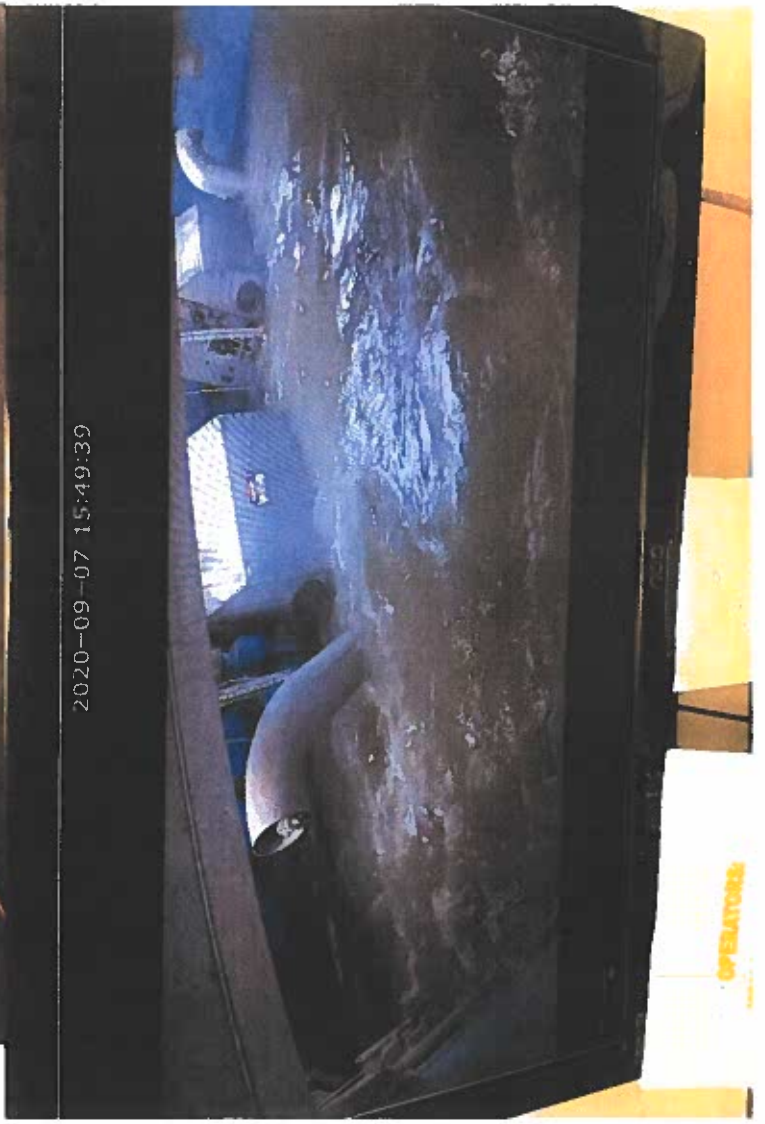
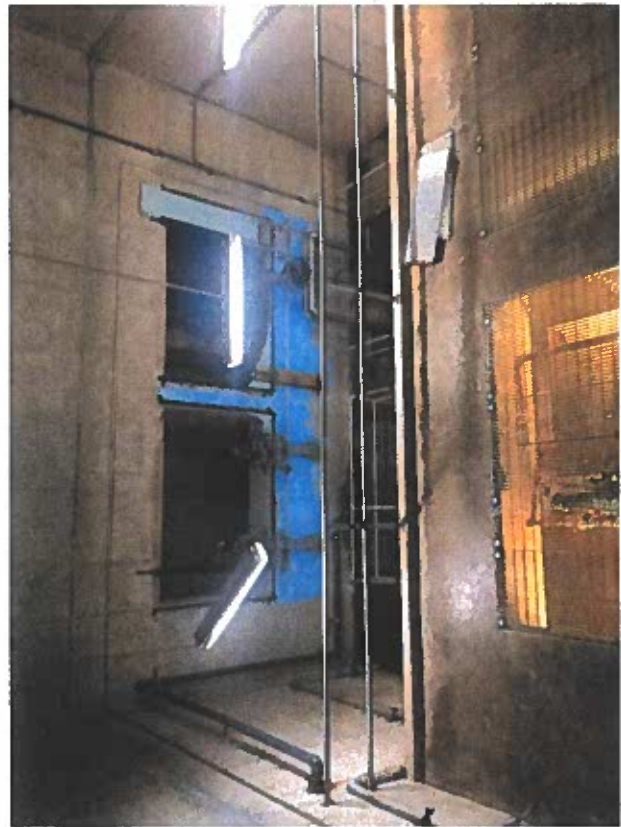
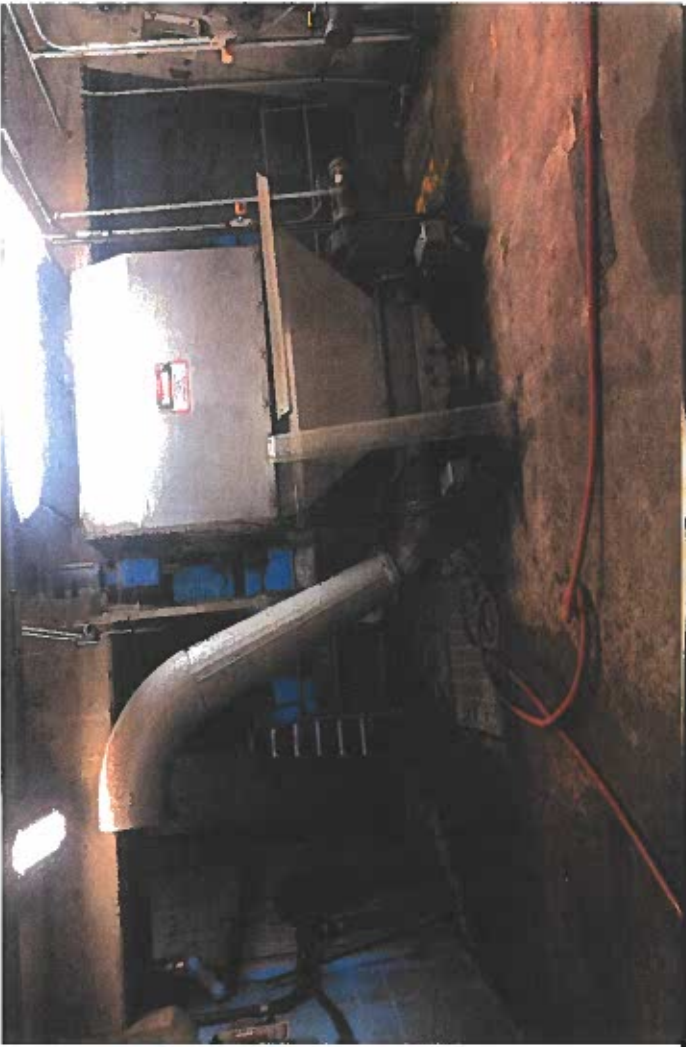
Solicit proposal from RE Warner to move to grit-\$55,800

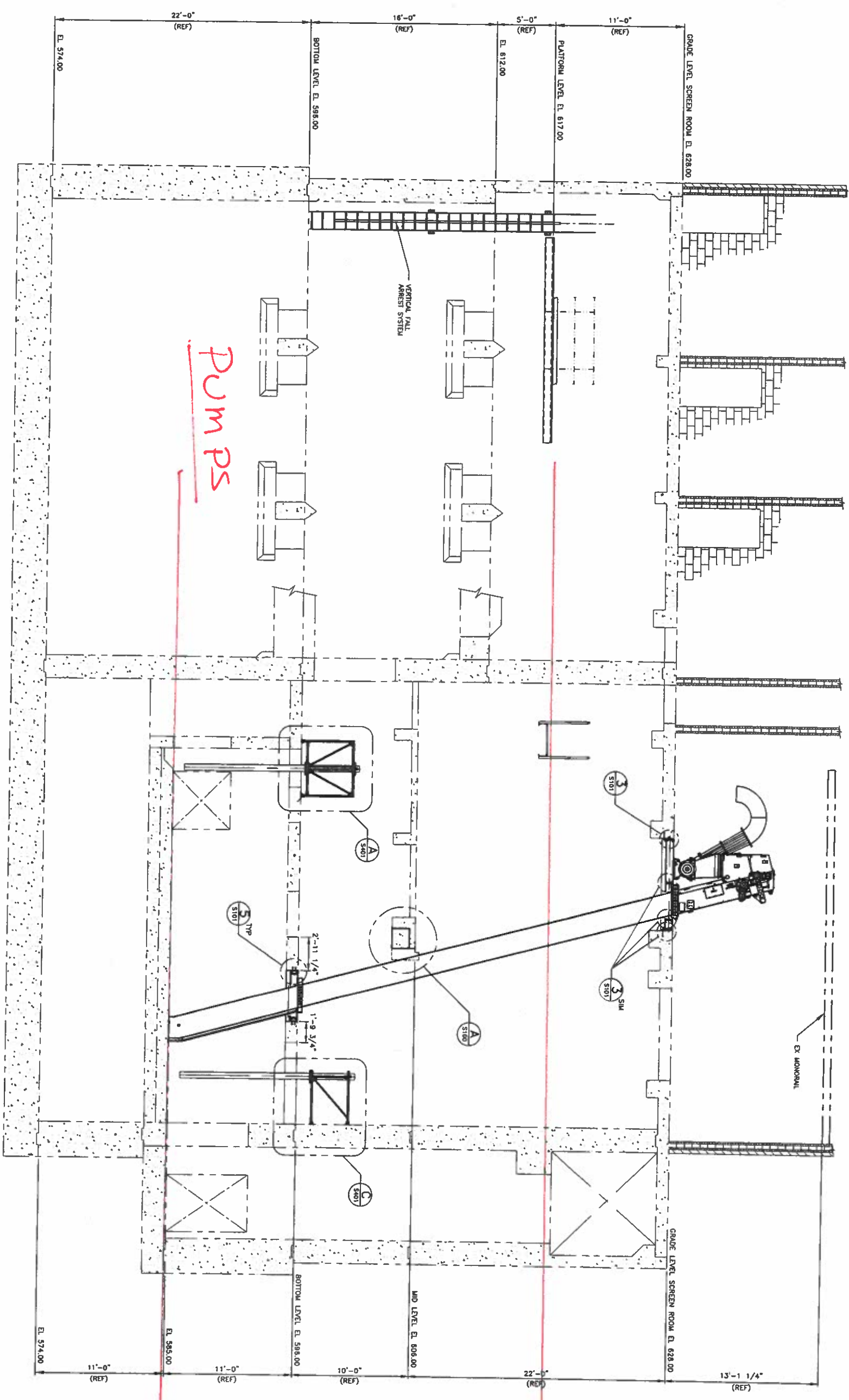
Grit moves-**large amount of concrete**-3 manual screens



NEW SCREEN
LOCATION







21 Feet to 52 Feet

Pumps

Add

SECTION LOOKING WEST
SCALE 1/4" = 1'-0"

REV ELECTRONIC DRAWING FILE DISCLAIMER
THIS DRAWING IS AN ELECTRONIC FILE AND IS PROVIDED AS IS. THE USER ASSUMES ALL LIABILITY FOR THE ACCURACY OF THE INFORMATION AND THE RECORDS THEREOF. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE INFORMATION AND THE RECORDS THEREOF. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE INFORMATION AND THE RECORDS THEREOF. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE INFORMATION AND THE RECORDS THEREOF.

REV	DATE	DESCRIPTION	BY
A	01/15/21	REVISED	RAO

REWARNER ASSOCIATES
1A OFFICE PLAZA II, SUITE 200
25277 DETROIT ROAD
WESTLAKE, OHIO 44145
TELEPHONE (440) 835-9400

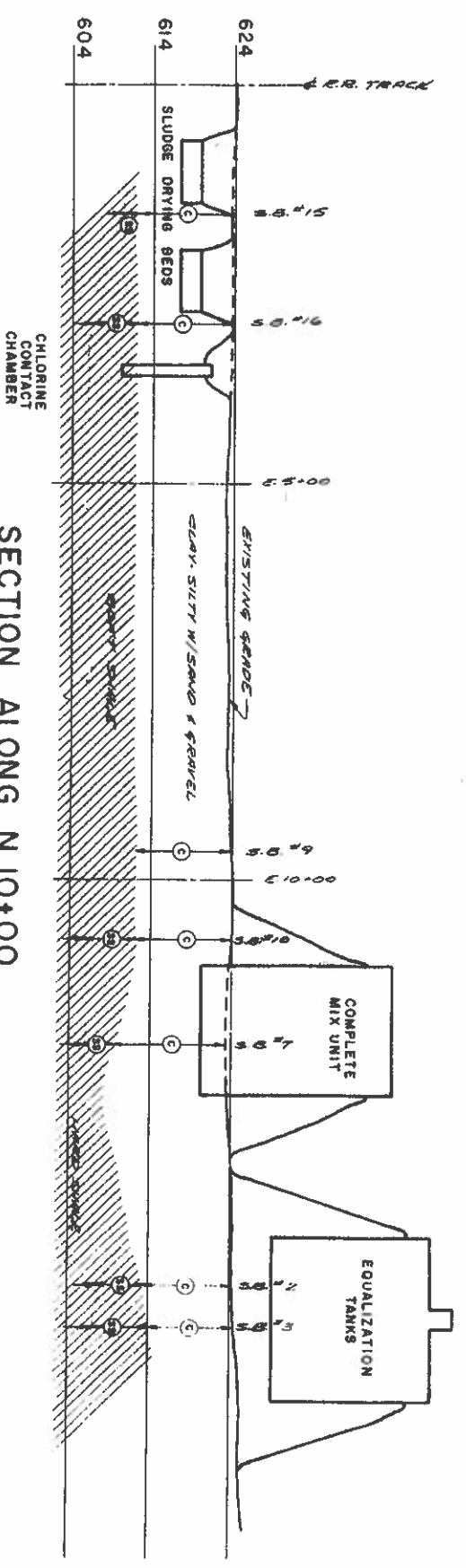
ISSUED FOR REVIEW ONLY
JANUARY 15, 2021
R.E. Warner & Assoc., Inc.
UNDESIGNED NOT FOR CONSTRUCTION

REV JOB #	DESIGN BY	DRAWN BY	CHECK BY	DATE	SCALE	AS NOTED
15020	RAO	JAT	DOF	10/08/20		

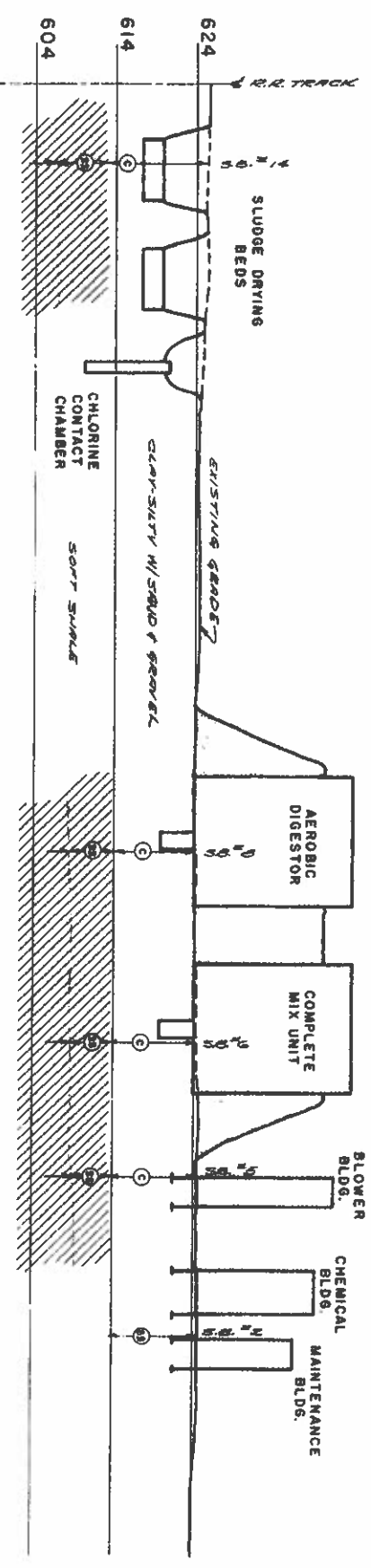
NORTH RIDGEVILLE
FRENCH CREEK WWTP
BAR SCREEN REPLACEMENT
2350 ABBE ROAD, SHEFFIELD, OH 44054

DISCIPLINE	STRUCTURAL
DRAWING TITLE	SECTION LOOKING WEST
DRAWING NUMBER	15020-S301

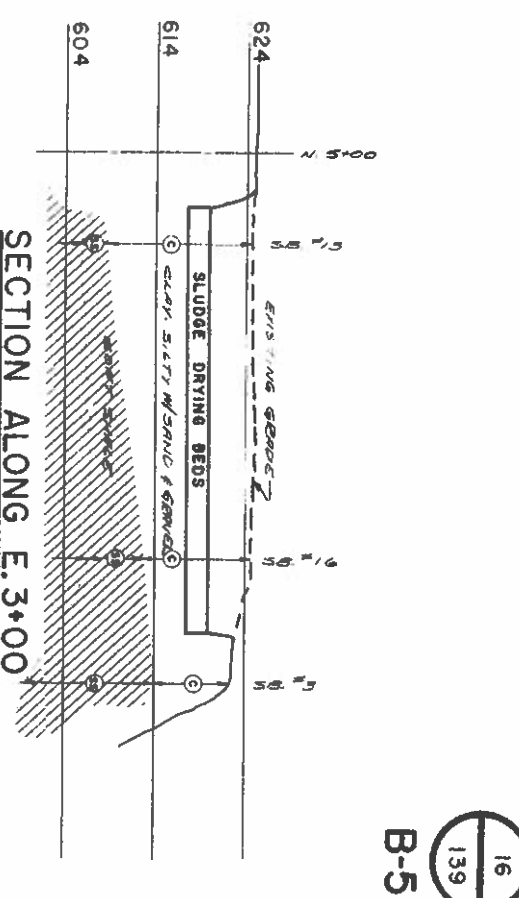
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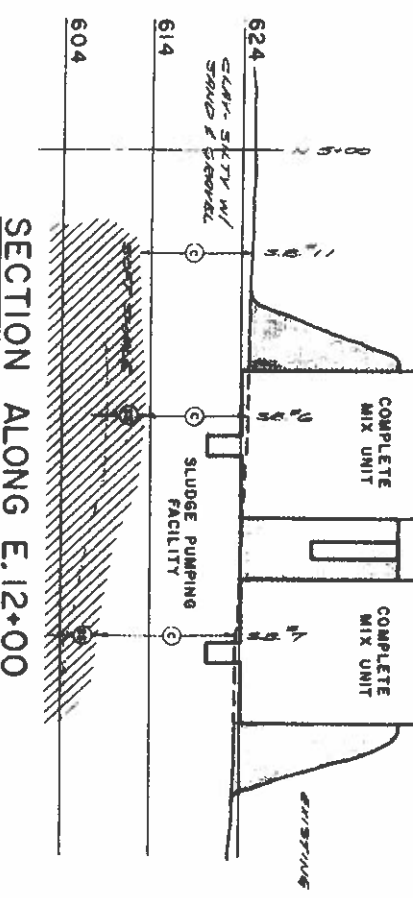
SECTION ALONG N.10+00



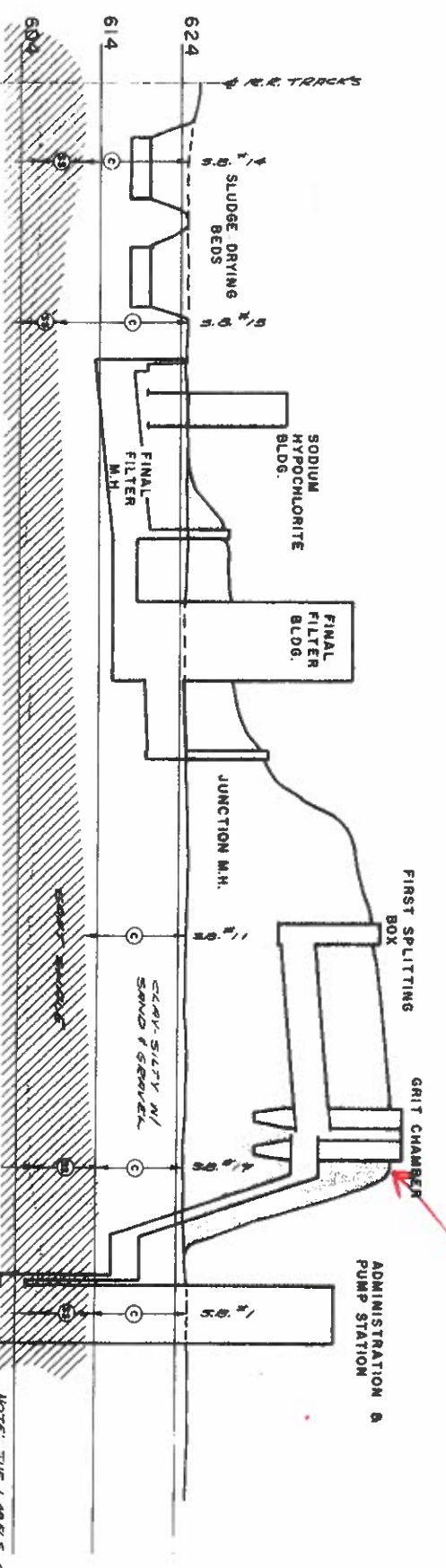
SECTION ALONG N.8+00



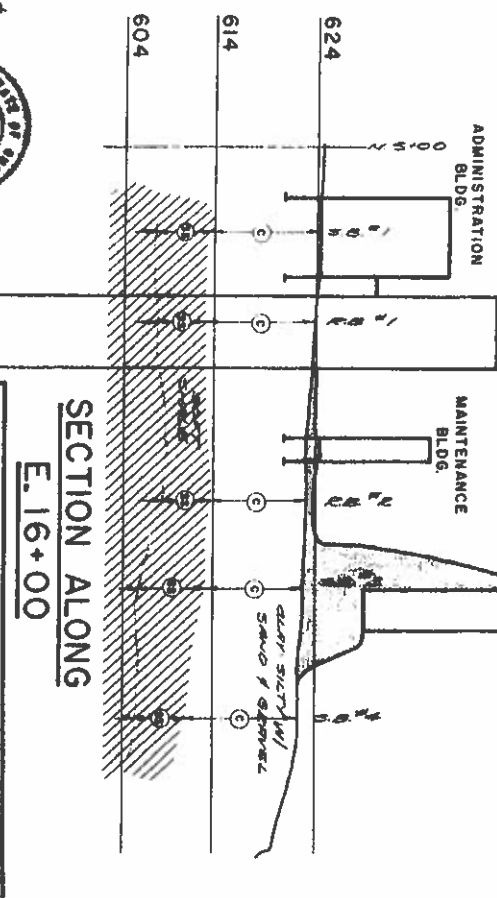
SECTION ALONG E.3+00



SECTION ALONG E.12+00



SECTION ALONG N.6+00



SECTION ALONG E.16+00

NOTE: THE LAYOUTS OF CLEAR SILTY W/ SAND & GRAVEL AND SOFT SWAGS ARE DEVELOPED BASED ON THE DATA FROM THE INTERCEPTOR SEWERS AND TREATMENT TANKS ARE INTERFERED BY THE INTERCEPTOR SEWERS SHOWING AT SEVERAL LOCATIONS OF EXCESSIVE SOIL BEING.

New Location

Current Location

DRAWN: J.G.K.
 DESIGN: E.W.
 CHECKED: E.W.



John C. Anderson
 Professional Engineer

STATE OF OHIO
 OHIO WATER DEVELOPMENT AUTHORITY

INTERCEPTOR SEWERS
 AND WASTEWATER TREATMENT FACILITIES
 FOR FRENCH CREEK DISTRICT

SITE SECTIONS
 JOHNSON & ANDERSON, ASSOC.
 CONSULTING ENGINEERS
 OHIO
 SCALE: HORIZ. 1"=500' VERT. 1"=10'
 DATE: 1988
 AS BUILT
 J.W.A. JOB NO. 3782-20
 FILE NUMBER ODOB #47-009-71