

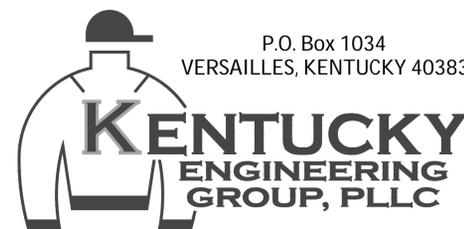
Phase 24 Wastewater System
Improvements
CONTRACT 1: WWTP Improvements
KIA LOAN # A24-007



Columbia/Adair Utilities District
Columbia, Adair County, Kentucky

SEPTEMBER 2025

PROJECT NO. 24006

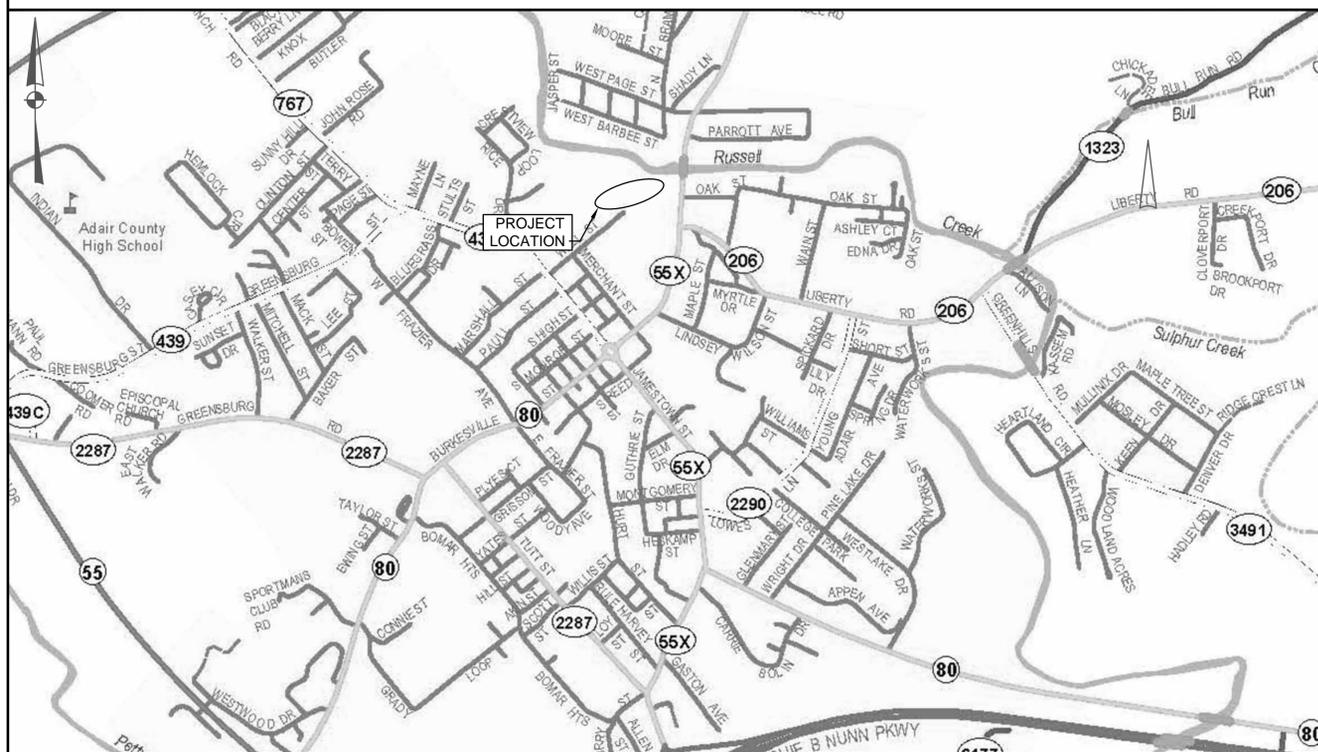


P.O. Box 1034
VERSAILLES, KENTUCKY 40383



BID DOCUMENTS

PROJECT LOCATION MAP



ADAIR COUNTY

NOT TO SCALE

DRAWING LEGEND

—	PROPERTY LINE
—	EDGE OF PAVEMENT
—	INVERT
—	STATION
—	EXISTING
M.H.	MANHOLE
(WT)	WATER TIGHT
P.P.	POWER POLE
CAVV	COMBINATION AIR AND VACUUM RELEASE VALVE
⊕	GRINDER PUMP STATION
—	PROPOSED FORCE MAIN
—	PROPOSED SANITARY SEWER
—	PROPOSED COMBINATION AIR AND VACUUM RELEASE VALVE
—	EXISTING UTILITIES
●	PROPOSED CLEANOUT
○	EXISTING MANHOLE
■	PROPOSED PUMP STATION
→	DIRECTION OF FLOW
②	PLAN SHEET NUMBER
□	PLAN SHEET COVERAGE

UTILITIES

BUD - Before You Dig
1-800-752-6007
or DIAL 811

NOTE:
IN ACCORDANCE WITH KENTUCKY STATE LAW, ANY ACTIVITY THAT RESULTS IN MOVEMENT, PLACEMENT, BORING, PROBING OR DIGGING IN OR ON THE GROUND SHALL CONTACT THE ONE CALL CENTER FOR UNDERGROUND UTILITY LOCATIONS.

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION
G-0-00	COVER
G-0-01	LOCATION MAP, LEGEND, UTILITY OWNERS and INDEX OF DRAWINGS
C-0-01	WWTP SITE PLAN
C-1-01	GRIT SYSTEM REPLACEMENT - PLAN & SECTION
C-1-02	GRIT SYSTEM REPLACEMENT - SECTION
C-2-01	SLUDGE HOLDING BASIN DEMOLITION - PLAN & SECTION
C-2-02	SLUDGE HOLDING BASIN MODIFICATIONS - PLAN & SECTION

GENERAL NOTES

- THE CONTRACTOR SHALL FIELD LOCATE EXISTING STRUCTURES AND PIPING AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES ENCOUNTERED BEFORE BEGINNING CONSTRUCTION OPERATIONS. SITE (YARD) PIPING LAYOUT OR DIMENSIONS, WHERE GIVEN, ARE TO SHOW THE ENGINEER'S INTENT AND TO AID THE CONTRACTOR IN PIPE INSTALLATION.
- DIMENSIONS OF EXISTING STRUCTURES AND/OR SITE RESTRICTIONS ARE APPROXIMATE. ALL NECESSARY DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES & TOPOGRAPHY SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- GENERALLY, ALL EXISTING EQUIPMENT, PIPING VALVING, ETC., SHOWN TO BE REMOVED, SHALL, AFTER REMOVAL, BE DISPOSED OF BY THE CONTRACTOR UNLESS SHOWN OTHERWISE ON THESE DRAWINGS. CONTRACTOR SHALL CONSULT PLANT REPRESENTATIVE BEFORE DISPOSAL OF ANY ITEMS.
- ALL WALL PENETRATIONS FOR PIPING SHALL CONFORM TO THE STANDARD DETAILS AS REQUIRED BY THE CONTRACT DRAWINGS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND THE APPROPRIATE SPECIFICATIONS AS A UNIT. ANY OMISSIONS, DELETIONS, OR CONFLICTS ARISING AS A RESULT OF FAILURE TO INCORPORATE ALL DRAWINGS AND SPECIFICATIONS THAT APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDED COST TO THE OWNER.
- PIPE AND CONDUIT SUPPORTS ARE TYPICALLY NOT SHOWN. HOWEVER ALL PIPING, INSIDE AND OUTSIDE, SHALL BE ADEQUATELY SUPPORTED AND BLOCKED SO AS NOT TO PRODUCE UNDUE STRAIN OR VIBRATION ON PIPE JOINTS OR EQUIPMENT, SEE SPECIFICATIONS.
- ALL PIPING ABANDONED IN PLACE SHALL BE PROPERLY CAPPED OR PLUGGED AT EACH END AND RENDERED LEAKPROOF.
- EXACT LOCATIONS OF DUCTS, CONDUITS, LIGHT FIXTURES AND PIPES SHALL BE FIELD LOCATED AND COORDINATED WITH THE WORK OF SUBCONTRACTORS FOR THE VARIOUS TRADES INVOLVED.
- ELECTRICAL AND INSTRUMENTATION SUBCONTRACTORS SHALL NOTIFY THE CONTRACTOR AND COORDINATE THE SIZES AND LOCATIONS OF ALL OPENINGS AND RECESSES IN STRUCTURES REQUIRED FOR THEIR WORK.
- CONTRACTOR SHALL FIELD LOCATE AND EXPOSE UTILITIES BEFORE INSTALLING PIPE OR CONDUITS.
- THE CONTRACTOR SHALL SCHEDULE ALL WORK TO ALLOW PLANT OPERATION TO BE MAINTAINED THROUGHOUT CONSTRUCTION CONTRACT TIME PERIOD.
- EXTREME CARE SHALL BE TAKEN TO PROTECT UNDERGROUND PIPING AND UNDER SLAB PIPING FROM SURFACE LOADS EXERTED BY CONSTRUCTION EQUIPMENT (TRUCKS, LOADERS, CRANES, ETC.).
- THE RENOVATION WILL BE ACCOMPLISHED IN PHASES. THEREFORE THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT COMPLETED WORK FROM ONGOING RENOVATION WORK.
- THE CONTRACTOR SHALL CONFIRM THE CONTENTS OF ANY AND ALL PIPING INVOLVED IN DEMOLITION REQUIREMENTS AND PROVIDE AND WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE PROTECTION.

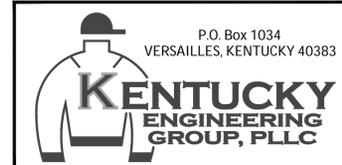
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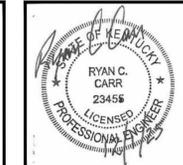
NO.	DATE	REVISIONS	BY

DATE:	SEPTEMBER 2025
PROJECT MGR:	MAB
DRAWN BY:	JAB
CHECKED BY:	RCC
SCALE:	AS NOTED
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PHASE 24 WASTEWATER SYSTEM IMPROVEMENTS
CONTRACT 1: WWTP IMPROVEMENTS
FOR THE
COLUMBIA/ADAIR UTILITIES DISTRICT

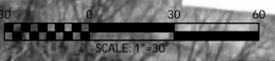
LOCATION MAP, INDEX OF DRAWINGS, LEGEND, & UTILITIES



PROJECT NO.	24006
SHEET NO.	G-0-01

BID DOCUMENTS

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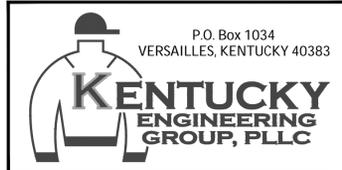


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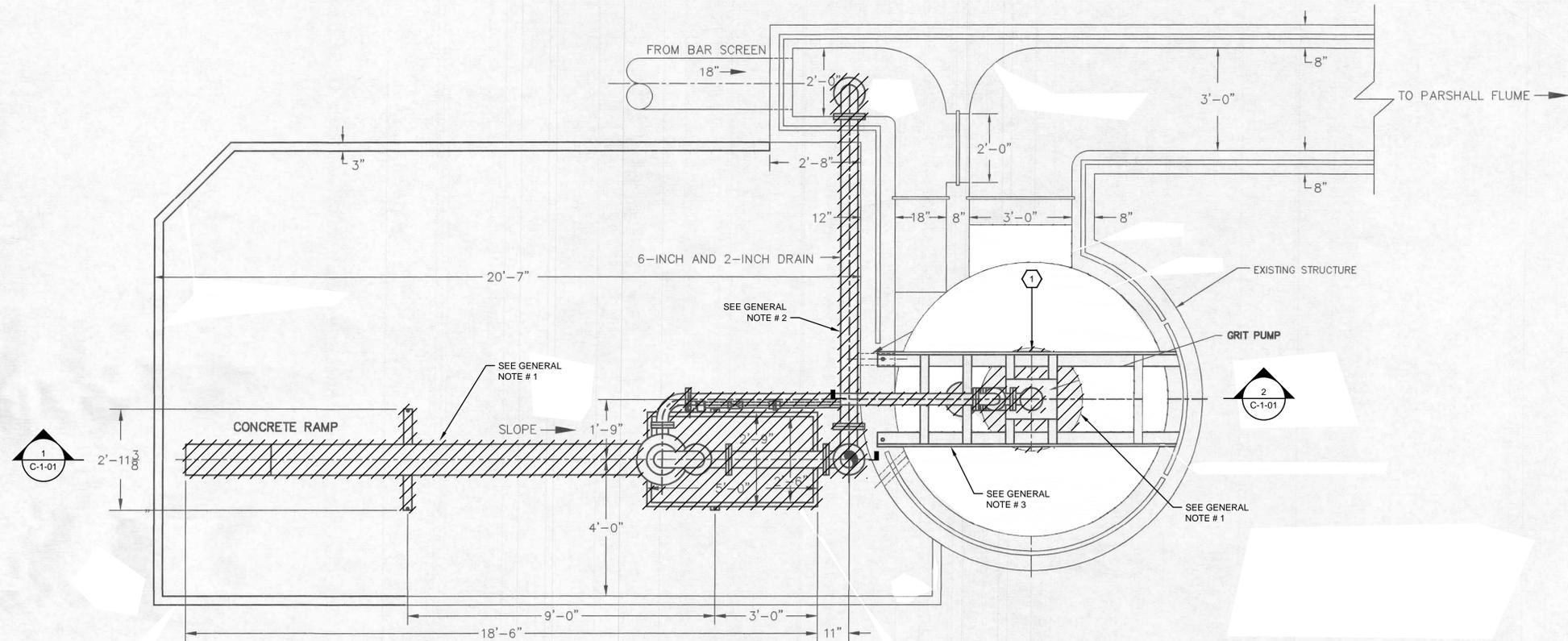
SITE PLAN



PROJECT NO.	24006
SHEET NO.	C-0-01

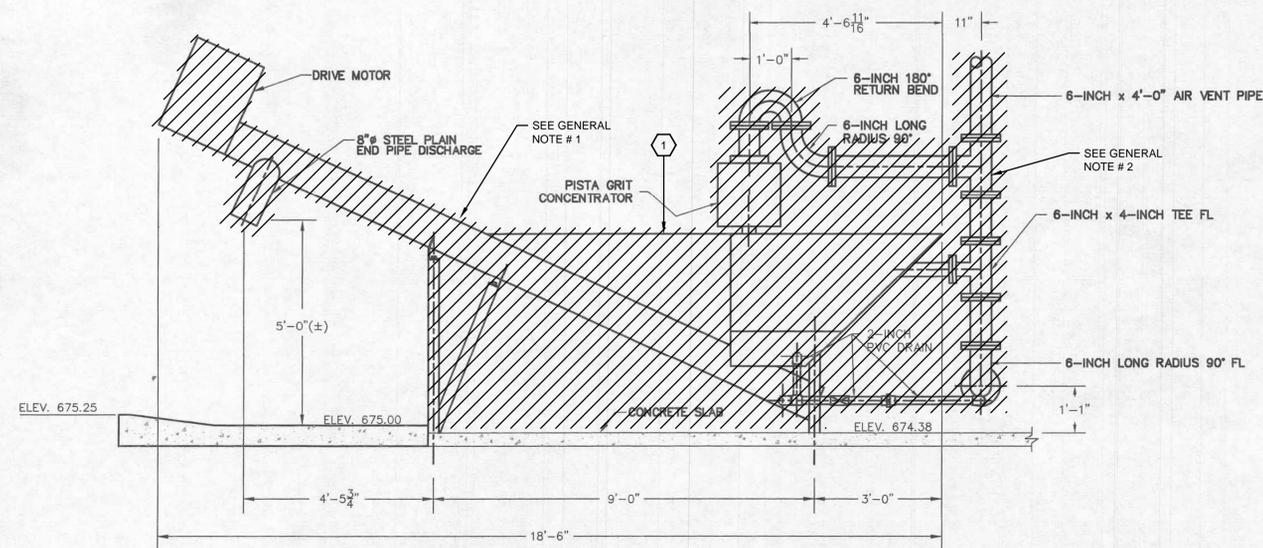
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GRIT CHAMBER PLAN

SCALE: 1/2"=1'-0"



GRIT CHAMBER SECTION

SCALE: 1/2"=1'-0"

LEGEND:

TO BE REPLACED

GENERAL NOTES:

- CONTRACTOR SHALL REMOVE & PROPERLY DISPOSE OF EXISTING GRIT REMOVAL EQUIPMENT.
- CONTRACTOR CAN REUSE EXISTING PIPING. EXISTING PIPE AND FITTINGS SHALL BE BLAST CLEANED AND REPAINTED PER SPEC. SECTION 09960. ALL BOLTS SHALL BE REPLACED WITH 316 SST BOLTS.
- EXISTING BRIDGE SUPPORT SHALL BE BLAST CLEANED AND REPAINTED PER SPEC. SECTION 09960
- NOTES, DIMENSIONS, ETC. TAKEN FROM AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY.

REFERENCE NOTES:

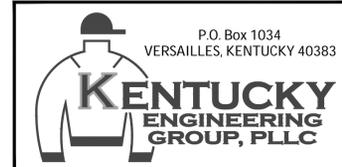
- REPLACE EXISTING GRIT REMOVAL SYSTEM W/ NEW GRIT REMOVAL SYSTEM PER SPEC. SECTION 11305 INCLUDING TESTING & RECONNECTING EXISTING WIRING TO POWER THE SYSTEM.

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THIS DRAWING WITHOUT WRITTEN PERMISSION FROM KENTUCKY ENGINEERING GROUP, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER.

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 CONTRACT 1: WWTP IMPROVEMENTS FOR THE COLUMBIA/ADAIR UTILITIES DISTRICT

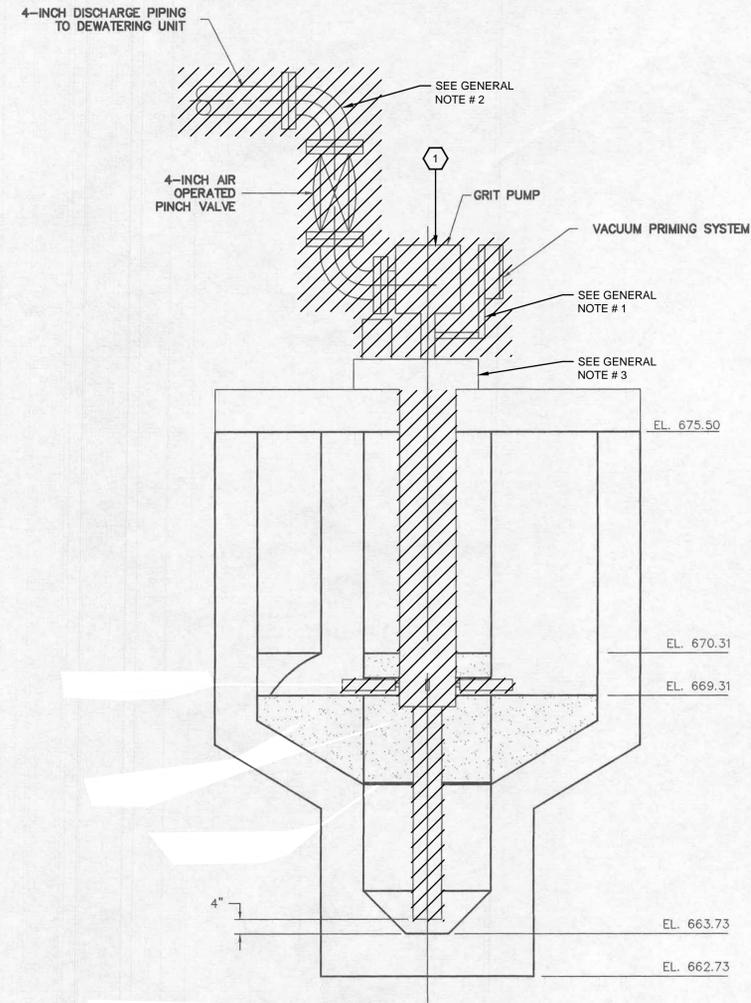
GRIT SYSTEM REPLACEMENT PLAN & SECTION



PROJECT NO. 24006
 SHEET NO. C-1-01

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2
C-1-01
GRIT CHAMBER SECTION
SCALE: 1/2"=1'-0"
0 1' 2' 4'

LEGEND:
 TO BE REPLACED

GENERAL NOTES:

1. CONTRACTOR SHALL REMOVE & PROPERLY DISPOSE OF EXISTING GRIT REMOVAL EQUIPMENT.
2. CONTRACTOR CAN REUSE EXISTING PIPING. EXISTING PIPE AND FITTINGS SHALL BE BLAST CLEANED AND REPAINTED PER SPEC. SECTION 09960. ALL BOLTS SHALL BE REPLACED WITH 316 SST BOLTS.
3. EXISTING BRIDGE SUPPORT SHALL BE BLAST CLEANED AND REPAINTED PER SPEC. SECTION 09960
4. NOTES, DIMENSIONS, ETC. TAKEN FROM AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY.

REFERENCE NOTES:

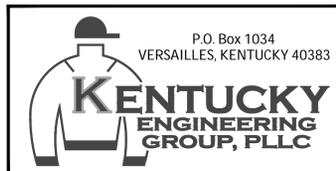
1. REPLACE EXISTING GRIT REMOVAL SYSTEM W/ NEW GRIT REMOVAL SYSTEM PER SPEC. SECTION 11305 INCLUDING TESTING & RECONNECTING EXISTING WIRING TO POWER THE SYSTEM.

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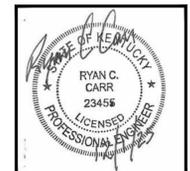
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CONTRACT 1: WWTP IMPROVEMENTS
 FOR THE
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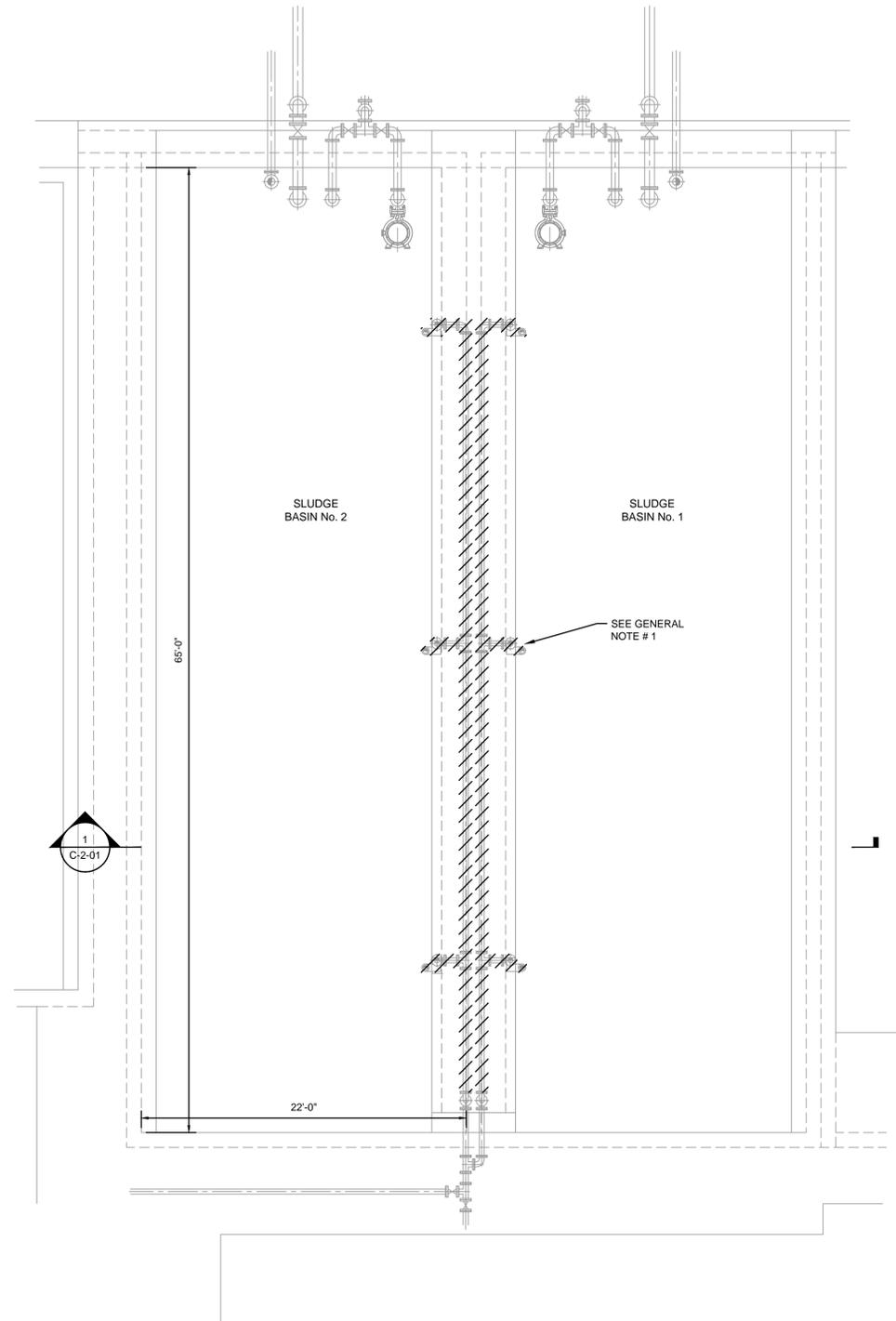
GRIT SYSTEM REPLACEMENT SECTION



PROJECT NO.	24006
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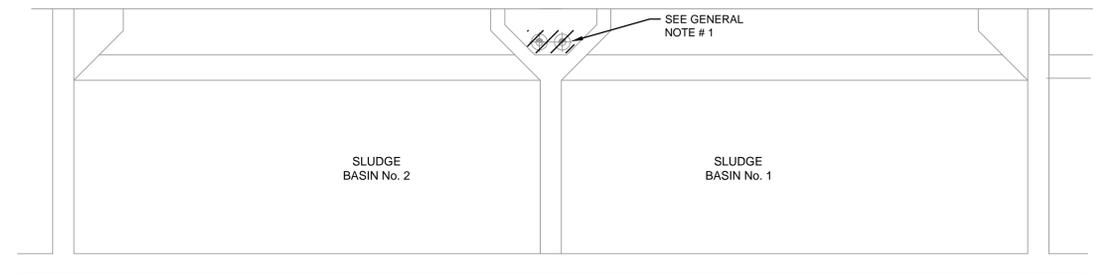
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SLUDGE HOLDING BASIN PLAN

SCALE: 3/16"=1'-0"



SLUDGE HOLDING BASIN SECTION

1
C-2-01

SCALE: 1/4"=1'-0"



GENERAL NOTES:

1. CONTRACTOR SHALL REMOVE & PROPERLY DISPOSE OF EXISTING PIPE, FITTINGS, DIFFUSERS, ETC.
2. CONTRACTOR SHALL COORDINATE WITH OWNER TAKING ONE BASIN OUT OF SERVICE AT A TIME.
3. NOTES, DIMENSIONS, ETC. TAKEN FROM AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY.

LEGEND:

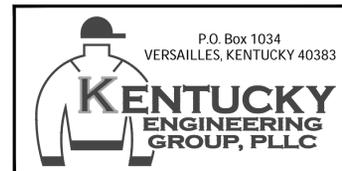
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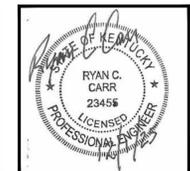
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CONTRACT 1: WWTP IMPROVEMENTS
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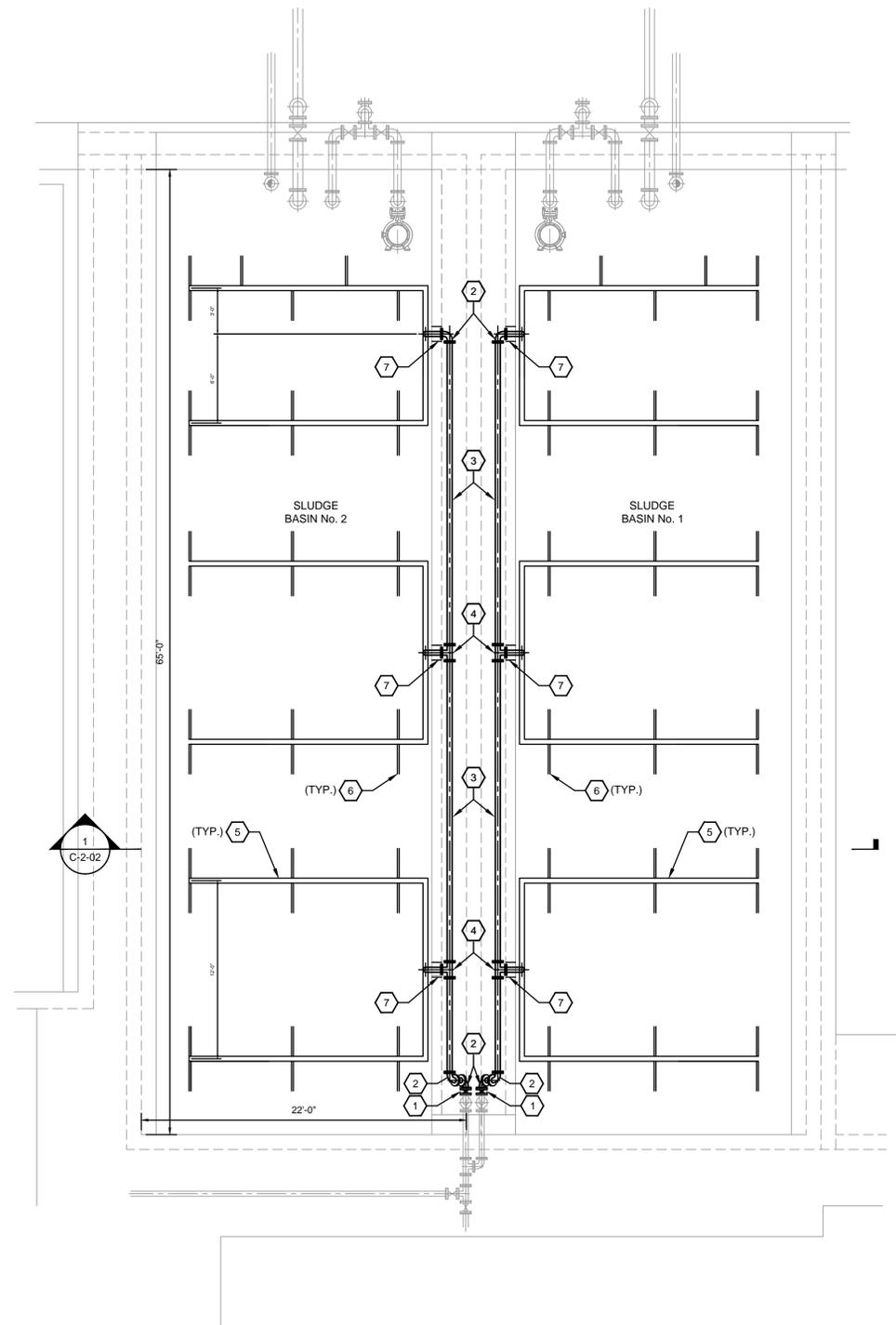
SLUDGE HOLDING BASIN DEMOLITION PLAN & SECTION



PROJECT NO.	24006
SHEET NO.	C-2-01

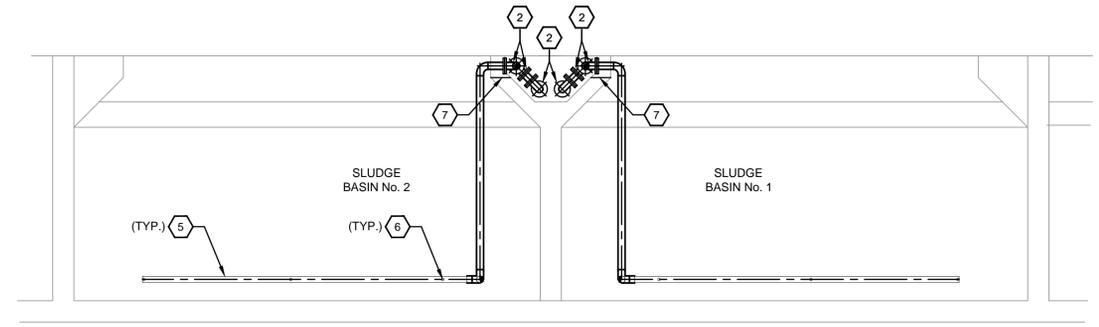
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SLUDGE HOLDING BASIN PLAN

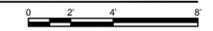
SCALE: 3/16"=1'-0"



SLUDGE HOLDING BASIN SECTION

1
C-2-02

SCALE: 1/4"=1'-0"



REFERENCE NOTES:

1. 4" BUTTERFLY VALVE 316 SST
2. 4" 316 SST 90° ELBOW
3. 4" 316 SST PIPE
4. 4" 316 SST TEE
5. 4" DIA. 316 SST MANFOLD
6. COARSE BUBBLE DIFFUSERS
7. NOTCH CONCRETE WALL AS REQUIRED TO KEEP PIPE BELOW WALKWAY

GENERAL NOTES:

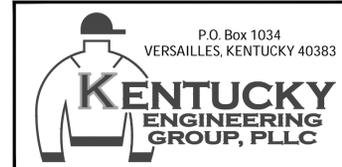
1. ALL FLANGED AND WELDED PIPE AND FITTINGS SHALL BE 316 STAINLESS STEEL.
2. CONTRACTOR SHALL COORDINATE WITH OWNER TAKING ONE BASIN OUT OF SERVICE AT A TIME.
3. NOTES, DIMENSIONS, ETC. TAKEN FROM AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY.

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PHASE 24 WASTEWATER SYSTEM IMPROVEMENTS
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FOR THE
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SLUDGE HOLDING BASIN MODIFICATIONS
PLAN & SECTION



PROJECT NO.	24006
SHEET NO.	C-2-02

BID DOCUMENTS