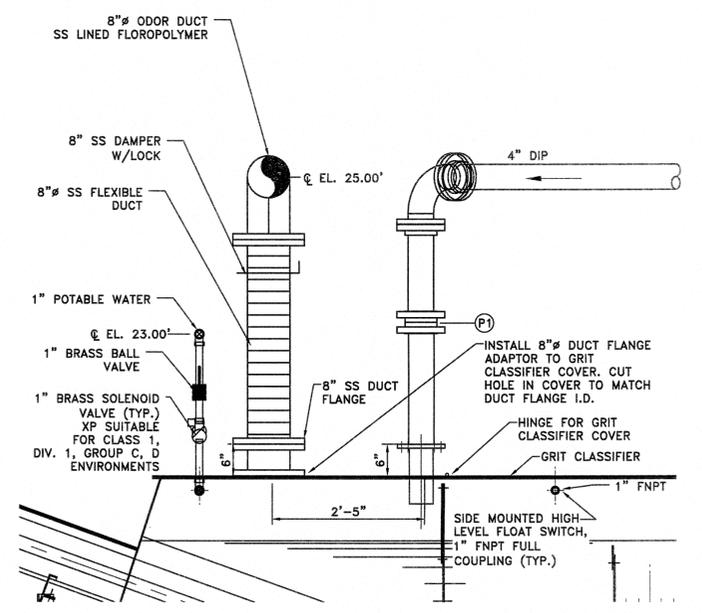


SECTION D
SCALE: 3/8"=1'-0"



DETAIL 1 GRIT CLASSIFIER PROCESS CONNECTIONS
SCALE: 3/4"=1'-0"

NOTES

1. CONTRACTOR SHALL DESIGN, PROVIDE AND INSTALL ALL PIPE SUPPORTS TO SUPPORT THE PIPES AND EQUIPMENT SHOWN. THE DESIGN OF ALL PIPE SUPPORTS SHALL BE BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY. WHERE A PIPE SUPPORT IS SHOWN ON THE PLAN, THE CONTRACTOR SHALL DESIGN, PROVIDE AND INSTALL A PIPE SUPPORT AT THE LOCATION SHOWN AND IN THE ORIENTATION SHOWN. SEE PLANS AND SPECIFICATION FOR DESIGN AND OTHER PIPE SUPPORT REQUIREMENTS. CONTRACTOR SHALL SUBMIT FOR REVIEW, PIPE SUPPORTS CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY. MATERIALS SHALL NOT BE FABRICATED UNTIL THE ENGINEER'S APPROVAL HAS BEEN OBTAINED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS PRIOR TO ORDERING ANY EQUIPMENT. NO ALLOWANCES WILL BE MADE BY THE OWNER FOR ERRORS RELATED TO THE CONTRACTOR NOT VERIFYING AND CHECKING THE DIMENSIONS AND ELEVATIONS IN THE FIELD.
6. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE TOWNSHIP AND THE ENGINEER AND ALL OTHER CONTRACTORS TO MINIMIZE INTERRUPTIONS TO NORMAL TOWNSHIP OPERATION.
7. THE CONTRACTOR SHALL SUBMIT DETAILED WORK PLAN INCLUDING SEQUENCE OF OPERATION INCLUDING BY-PASS FLOW ARRANGEMENTS PRIOR TO COMMENCING WORK AND SHALL BE SUBJECT TO APPROVAL OF THE TOWNSHIP. SEE SPECIFICATIONS.
8. ALL DIMENSIONS TO BE FIELD VERIFIED, UNLESS OTHERWISE NOTED.
9. ALL HARDWARE SHALL BE STAINLESS STEEL.
10. PROVIDE FLEXIBLE CONNECTIONS AS PER EQUIPMENT MANUFACTURE'S STANDARDS.
11. ALL PIPING IS NOT SHOWN ON PLAN AND SECTION VIEWS.
12. THE GRIT CLASSIFIER ROOM AND THE EXISTING PUMP STATION BUILDING IS CLASSIFIED AS A CLASS 1 DIVISION 1, GROUP D, EXPLOSION HAZARD AREA AND ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS.
13. REFER TO P SERIES DRAWINGS FOR PLUMBING PLAN.
14. REFER TO SHEET C4 FOR YARD PIPING CONTINUATION.
15. REFER TO SHEET M9 FOR GRIT CHAMBER ODOR CONTROL PLANS.
16. HEAT TRACING SHALL BE SELF REGULATING, SUBMERSIBLE AND SUITABLE FOR EXPLOSIONPROOF ENVIRONMENTS.
17. TRAP SEALS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT ADOPTED NATIONAL PLUMBING CODE.
18. HEAT TRACING AND INSULATION SHALL BE:
 - A. SIZED FOR FREEZE PROTECTION—MAINTAIN 40°F @ -10°F AMBIENT.
 - B. ABOVE GRADE EXTERIOR INSULATION SHALL BE CELLULAR GLASS INSULATION.
 - C. UNDERGROUND INSULATION SHALL BE CELLULAR GLASS.
 - D. FREEZE PROTECTION OF PIPING INCLUDES HEAT TRACING, INSULATION, TEMPERATURE CONTROLLER, JACKET, SPLICE, AND REQUIRED ACCESSORIES.
 - E. REFER TO CONTRACT SPECIFICATIONS.

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<p>APPROVED: <i>[Signature]</i> 1/13/17</p> <p>Richard A. Alaimo PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 13195</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS	DATE	BY										<p>RICHARD A. ALAIMO ENGINEERING COMPANY Consulting Engineers NJDCA 24GA27988800</p> <p>200 HIGH STREET MOUNT HOLLY, N.J. 2 MARKET STREET PATERSON, N.J.</p>	<p>GRIT CHAMBER UPGRADE</p> <p>GRIT CLASSIFIER BUILDING SECTIONS AND DETAILS</p> <p>SCALE: AS SHOWN</p>	<p>CLIENT: WOODBRIDGE TOWNSHIP</p> <p>PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY</p> <p>PROJECT NO.: B-0726-0023-000</p> <p>CONTRACT NO.: 1230</p>	<p>DATE: APRIL 2017</p> <p>DESIGNED BY: LMG</p> <p>DRAWN BY: HC</p> <p>CHECKED BY:</p> <p>DEPT. HEAD:</p>	<p>SHEET</p> <p style="font-size: 24pt; font-weight: bold;">M4</p> <p>FILE NO.:</p>
REVISIONS	DATE	BY																