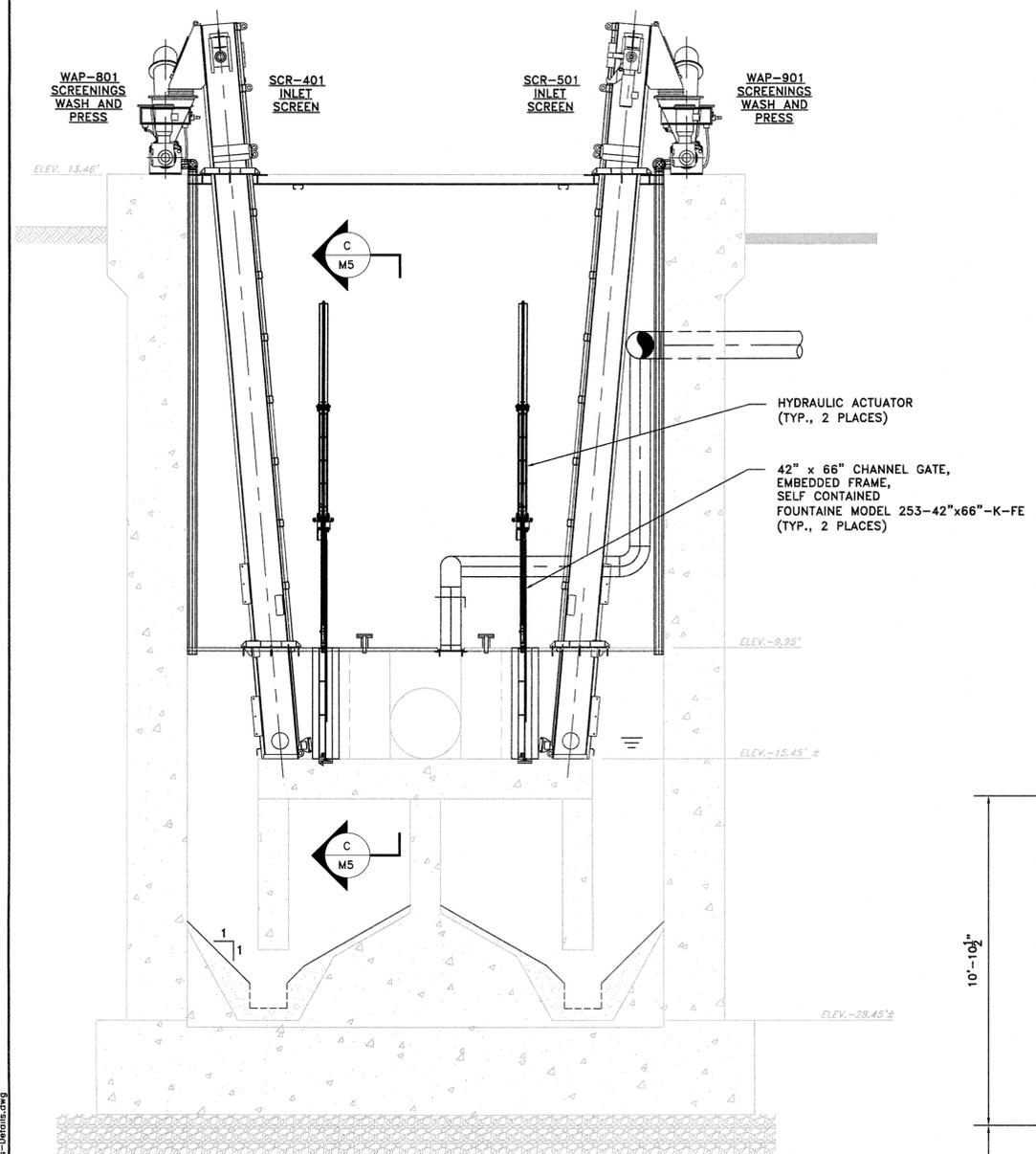
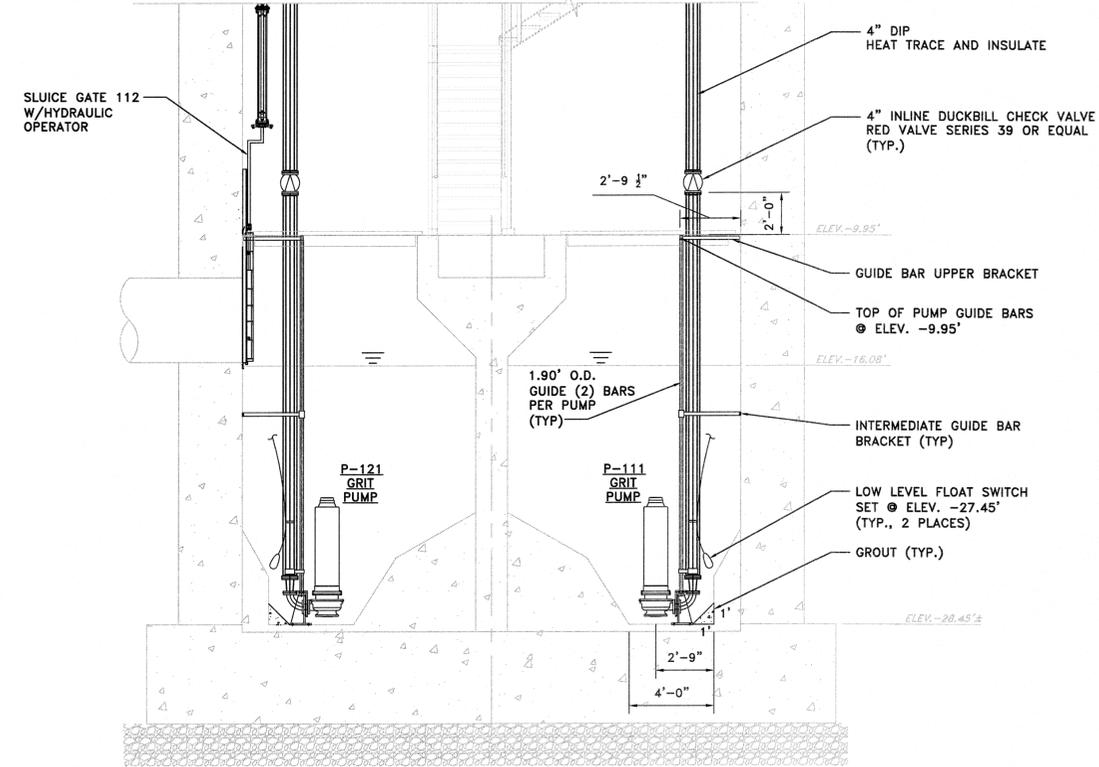


Plotted: 4/10/2017 3:20 PM Last saved: 1/4/2017 11:58 AM File Name: K:\Projects\80726023\000\Drawings\Edy-M5-Sections-Details.dwg



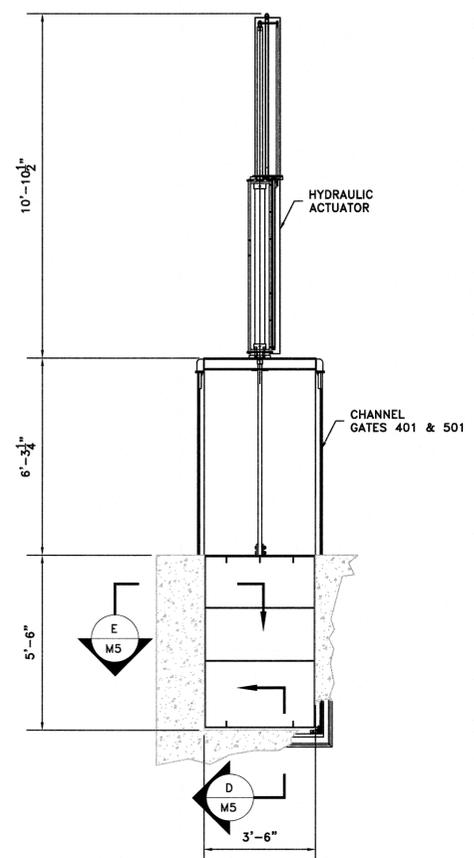
SECTION A
SCALE: 1/4"=1'-0"

* AERATION PIPING NOT SHOWN FOR CLARITY.
* REFER TO SHEET M7 AND M9 FOR MECHANICALLY CLEANED BAR SCREEN AND ODOR CONTROL SECTION AND DETAILS

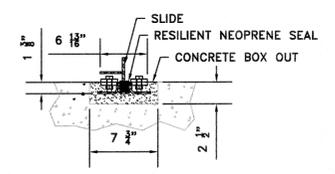


SECTION B
SCALE: 1/4"=1'-0"

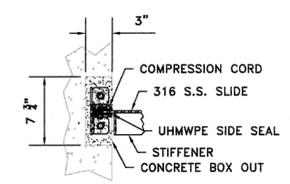
* DOWNWARD OPENING SLIDE GATES AND HANDRAILS NOT SHOWN FOR CLARITY



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



SECTION D EMBEDDED FRAME BOTTOM SECTION
SCALE: NONE



SECTION E EMBEDDED FRAME SIDE SECTION
SCALE: NONE

NOTES

- GRIT CHAMBER PLATFORM AND STAIRWAY FRAMING NOT SHOWN FOR CLARITY. SEE A SERIES SHEETS FOR DETAILS.
- 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.
- 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.
- HEAT TRACING WITHIN THE GRIT CHAMBER SHALL BE SUBMERSIBLE AND SUITABLE FOR EXPLOSIONPROOF ENVIRONMENTS.
- DIMENSIONS AND ELEVATIONS ARE BASED ON WOODBRIDGE AVENUE PUMPING STATION GRIT CHAMBER PLAN, DRAWING NOS. PS-1 TO PS-3 BY SCHOOR ENGINEERING INC., DATED MAY, 1993.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE TOWNSHIP AND THE ENGINEER AND ALL OTHER CONTRACTORS TO MINIMIZE INTERRUPTIONS TO NORMAL TOWNSHIP OPERATION.
- 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.
- ALL DIMENSIONS TO BE FIELD VERIFIED, UNLESS OTHERWISE NOTED.
- ALL HARDWARE SHALL BE STAINLESS STEEL.
- PROVIDE FLEXIBLE CONNECTIONS AS PER EQUIPMENT MANUFACTURE'S STANDARDS.
- ALL PIPING IS NOT SHOWN ON PLAN AND SECTION VIEWS.
- EXISTING CONDITIONS ARE FADED.
- REFER TO GATE SCHEDULE ON SHEET M6.
- HEAT TRACING AND INSULATION SHALL BE:
 - SIZED FOR FREEZE PROTECTION-MAINTAIN 40°F @ -10°F AMBIENT.
 - ABOVE GRADE EXTERIOR INSULATION SHALL BE CELLULAR GLASS.
 - UNDERGROUND INSULATION SHALL BE CELLULAR GLASS.
 - FREEZE PROTECTION OF PIPING INCLUDES HEAT TRACING, INSULATION, TEMPERATURE CONTROLLER, JACKET, SPLICE, AND REQUIRED ACCESSORIES.
 - REFER TO CONTRACT SPECIFICATIONS.

APPROVED: Richard A. Alaimo PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 13195	REVISIONS _____ _____ _____	DATE _____ _____ _____	BY _____ _____ _____	 RICHARD A. ALAIMO ENGINEERING COMPANY Consulting Engineers NJDCA 24GA2988800 200 HIGH STREET MOUNT HOLLY, N.J. 2 MARKET STREET PATERSON, N.J.	GRIT CHAMBER UPGRADE GRIT CHAMBER SECTIONS AND DETAILS SCALE: AS SHOWN	CLIENT: WOODBRIDGE TOWNSHIP PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY	DATE: APRIL 2017 DESIGNED BY: LMG DRAWN BY: HC CHECKED BY: _____ DEPT. HEAD: _____	SHEET M5 FILE NO.: _____
	PROJECT NO.: B-0726-0023-000 CONTRACT NO.: 1230	PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY	PROJECT NO.: B-0726-0023-000 CONTRACT NO.: 1230		SHEET M5 FILE NO.: _____			