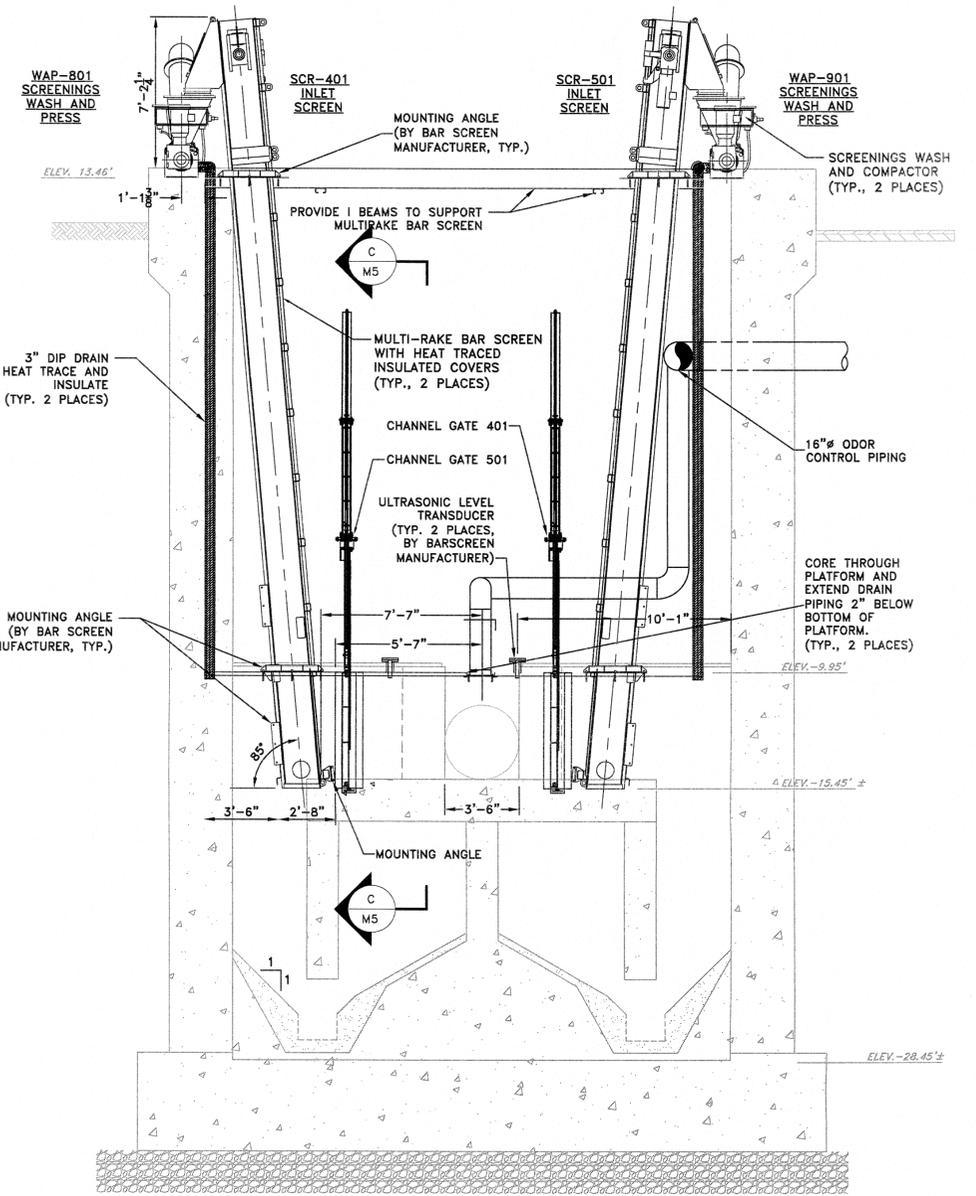


HYDRAULIC SCREEN - PLAN AT EL. 14'-0"
SCALE: 1/4"=1'-0"

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



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

- NOTES:**
- CONTRACTOR TO INSTALL MULTI-RAKE MECHANICAL BAR SCREEN, WASH WATER DISTRIBUTER, AND DISCHARGE CHUTES PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL MOUNTING HARDWARE SHALL BE 316SS.
 - MULTI RAKE BAR SCREEN AND WASH PRESS SUPPORTS SHALL BE PROVIDED BY THE MULTI RAKE BAR SCREEN MANUFACTURER.
 - THE MULTI RAKE BAR SCREEN AND SCREENING WASHING PRESS IS BASED ON HUBER MODEL TWO(2)WAKEMAX 11300/752/50 AND ROTAMAT TWO(2)WAP2 WASH PRESS. IN THE EVENT ON EQUAL OR SUBSTITUTE MODEL IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REDESIGN.
 - ULTRASONIC LEVEL TRANSDUCERS SHALL BE INSTALLED UPSTREAM OF EACH MULTI RAKE BAR SCREEN. THE BAR SCREEN MANUFACTURER SHALL SUPPLY THE ULTRASONIC LEVEL TRANSDUCERS, 316 SS MOUNTING BRACKET/HARDWARE, AND DETERMINE LOCATION FOR MOUNTING THE LEVEL TRANSDUCERS.
 - THE MANUFACTURER SUPPLIED ULTRASONIC LEVEL TRANSDUCER SHALL BE CAPABLE OF BEING SUBMERGED 20 FT. W/O DAMAGE.
 - HEAT TRACING AND INSULATION SHALL BE:
 - SIZED FOR FREEZE PROTECTION—MAINTAIN 40°F @ -10°F AMBIENT.
 - ABOVE GRADE EXTERIOR INSULATION SHALL BE CELLULAR GLASS INSULATION.
 - UNDERGROUND INSULATION SHALL BE CELLULAR GLASS.
 - FREEZE PROTECTION OF PIPING INCLUDES HEAT TRACING, INSULATION, TEMPERATURE CONTROLLER, JACKET, SPLICE, AND REQUIRED ACCESSORIES.
 - HEAT TRACING LOCATED WITHIN THE GRIT CHAMBER SHALL BE SUBMERSIBLE.
 - REFER TO CONTRACT SPECIFICATIONS.

- NOTES (CONT'D)**
- 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.
 - 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.

- NOTES (CONT'D)**
- 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 MANUFACTURER'S STANDARDS.
 - ALL PIPING IS NOT SHOWN ON PLAN AND SECTION VIEWS.
 - REFER TO SHEET M6 FOR GATE SCHEDULE.
 - EXISTING CONDITIONS ARE FADED.

NOTE: GRIT CHAMBER PLATFORM AND STAIRWAY FRAMING NOT SHOWN FOR CLARITY. SEE A SERIES SHEETS FOR DETAILS.

*NOTE: AERATION BLOWERS AND PIPING NOT SHOWN FOR CLARITY

APPROVED: Richard A. Alaimo PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 13195	REVISIONS DATE BY	 RICHARD A. ALAIMO ENGINEERING COMPANY Consulting Engineers NJDCA 24GA27988800 200 HIGH STREET MOUNT HOLLY, N.J. 2 MARKET STREET PATERSON, N.J.	GRIT CHAMBER UPGRADE	CLIENT: WOODBIDGE TOWNSHIP	DATE: APRIL 2017	SHEET M7
	SCALE: AS SHOWN		GRIT CHAMBER MECHANICALLY CLEANED BAR SCREEN SYSTEMS	PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY	PROJECT NO.: B-0726-0023-000 CONTRACT NO.: 1230	

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