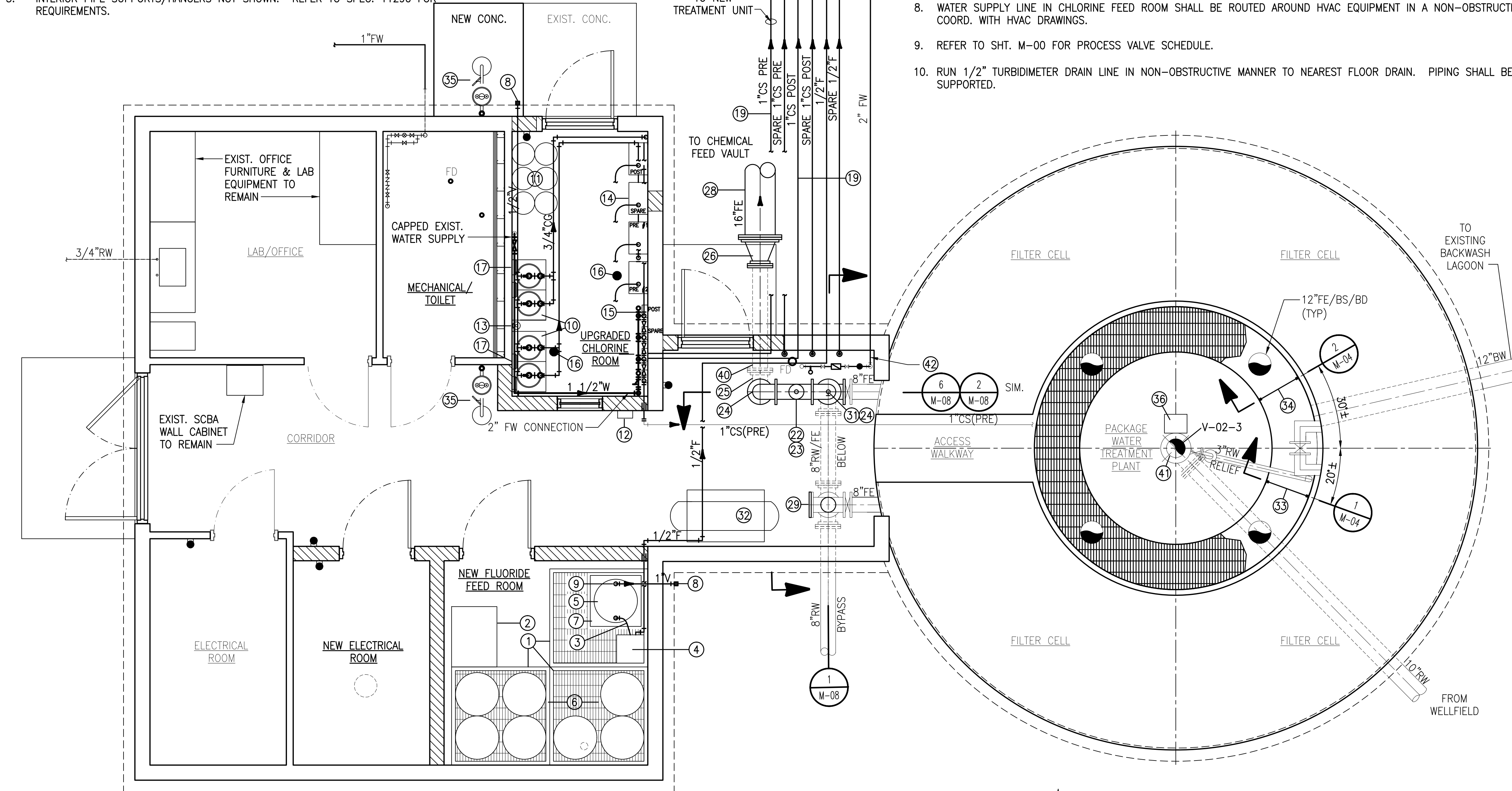


SHEET NOTES:

1. ALL ABOVE GRADE AND INTERIOR PROCESS PIPING SHALL BE FLANGED DUCTILE IRON PER SPECS., UNLESS NOTED OTHERWISE. ALL BURIED (YARD) PIPING SHALL BE MECHANICAL RESTRAINED JOINT DUCTILE IRON PER SPECS., UNLESS NOTED OTHERWISE.
2. ALL INTERIOR CHEMICAL FEED AND SAMPLING, AND DRAIN PIPING SHALL BE SCH. 80 PVC PER SPECS., UNLESS NOTED OTHERWISE. SOLVENT WELD SHALL BE COMPATIBLE FOR SERVICE IN WHICH IT IS INTENDED. PVC VALVES & MISC. APPURTENANCES SHALL BE JOINED USING "TRUE-UNION" CONNECTIONS
3. INTERIOR PIPE SUPPORTS/HANGERS NOT SHOWN. REFER TO SPEC. 11290 FOR REQUIREMENTS.

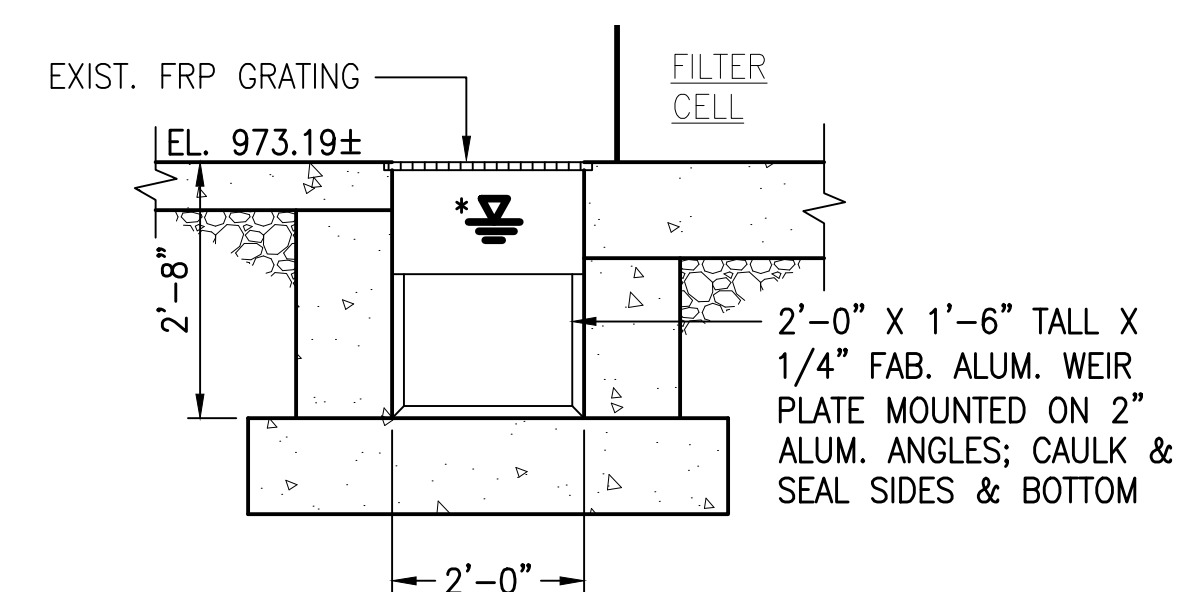
4. EQUIPMENT MOUNTING HEIGHTS SHALL BE COORDINATED WITH OWNER AND IN ACCORDANCE WITH MANF. RECOMMENDATIONS.
5. ALL WALL PENETRATIONS FOR PVC PIPING SHALL BE CORE DRILLED, INSTALL LINK SEAL, AND NON-SHRINK GROUT FLUSH. ALL FLOOR/FOOTING PENETRATIONS FOR PVC PIPING SHALL HAVE PIPE SLEEVE W/COLLAR, LINK SEAL & NON-SHRINK GROUT FLUSH.
6. ALL PVC PIPING SHALL BE ROUTED ALONG WALLS/CEILINGS USING CORROSION-RESISTANT PIPE HANGERS/SUPPORTS AND HARDWARE UPON EXISTING EQUIPMENT UNTIL DROP TO POINT OF APPLICATION.
7. ALL PIPING SHALL BE RUN IN NON-OBSTRUCTIVE MANNER AND SHALL BE RIGIDLY SUPPORTED.
8. WATER SUPPLY LINE IN CHLORINE FEED ROOM SHALL BE ROUTED AROUND HVAC EQUIPMENT IN A NON-OBSTRUCTIVE MANNER; COORD. WITH HVAC DRAWINGS.
9. REFER TO SHT. M-00 FOR PROCESS VALVE SCHEDULE.
10. RUN 1/2" TURBIDIMETER DRAIN LINE IN NON-OBSTRUCTIVE MANNER TO NEAREST FLOOR DRAIN. PIPING SHALL BE RIGIDLY SUPPORTED.

- ① 4-DRUM SPILL CONTAINMENT PALLET; BULKHEADED (TYP)
- ② SPILL CONTAINMENT PALLET LOADING RAMP
- ③ 1/2" I.D. CLEAR PVC PUMP SUCTION TUBING WITH FOOT VALVE
- ④ PRE-ENGINEERED METERING PUMP SYSTEM W/ WALL-MOUNTED PANEL
- ⑤ IN-SERVICE 55 GALLON CHEMICAL FEED DRUM (BY OWNER)
- ⑥ SPARE 55 GALLON CHEMICAL DRUMS (BY OWNER)
- ⑦ DIGITAL TANK SCALE
- ⑧ INSECT SCREEN ATTACHED TO VENT
- ⑨ 1" VENT TO OUTDOORS W/QUICK-CONNECT AT DRUM
- ⑩ 2-CYLINDER DIGITAL SCALE
- ⑪ SPARE 150# GAS CYLINDERS (BY OWNER)
- ⑫ EXIST. GAS DETECTION CONTROL UNIT (RELOCATED, FIELD UPGRADED)
- ⑬ GAS DETECTION SENSOR
- ⑭ AUTO. GAS CHLORINATOR W/PANEL-MOUNTED CONTROLLER (TYP. OF 4)
- ⑮ 3/4" REMOTE-MOUNTED INJECTOR (TYP. OF 4)
- ⑯ CAP/SEAL FLOOR DRAIN WATERTIGHT
- ⑰ AUTO. CYLINDER SHUTOFF VALVE CONTROL UNIT
- ⑱ ---
- ⑲ (2)1"CS(PRE & SPARE) & (2)1"CS(POST & SPARE); EXTEND SPARES 6" ABOVE FLOOR INSIDE ROOM & CAP
- ⑳ 8"x8" FLG. DI TEE
- ㉑ ---
- ㉒ 8" FLG. DI SPOOL PIECE (6" LONG MIN.)
- ㉓ AIR RELEASE VALVE
- ㉔ 8" FLG. DI 90° BEND
- ㉕ 8" MJ DI 90° BEND (RESTRAINED JOINT)
- ㉖ 8"x16" MJ DI REDUCER (RESTRAINED JOINT)
- ㉗ CORE DRILL OPENING; LINK SEAL & NON-SHRINK GROUT
- ㉘ 16" DI PIPE (RESTRAINED JOINT)
- ㉙ 8" DI BLIND FLANGE
- ㉚ CONCRETE THRUST BLOCK
- ㉛ 3/4" SMOOTH NOSE SAMPLE TAP
- ㉜ EXIST. AIR COMPRESSOR (RELOCATED) ON NEW 4" CONCRETE PAD - SEE ELEC. DRAWINGS
- ㉝ ALUM. WEIR PLATE
- ㉞ ALUM. STOP GATE & FRAME
- ㉟ EMERGENCY EYEWASH & SHOWER - SEE PLUMBING DWGS.
- ㊱ RAW WATER TURBIDIMETER; COORD. LOCATION IN FIELD WITH OWNER; REFER TO ELEC. DETAILS
- ㊲ UNI-FLANGE
- ㊳ ---
- ㊴ 8" DI PIPE, FLG. X PE (RESTRAINED JOINT)
- ㊵ 8" DI PIPE (RESTRAINED JOINT)
- ㊶ NEW 8" MAG METER (RAW WATER)
- ㊷ 2" WATER SUPPLY LINE UP THROUGH THE FLOOR (SEE SECTION 6, SHEET M-08)

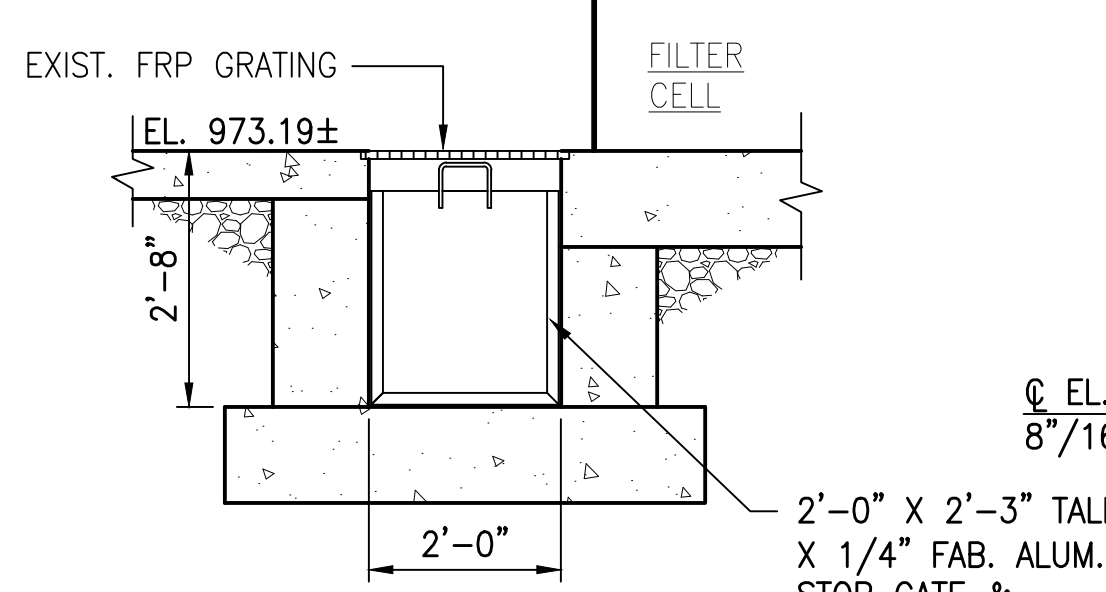


EXISTING TREATMENT PLANT BUILDING IMPROVEMENTS PLAN  
SCALE: 3/8"=1'-0"

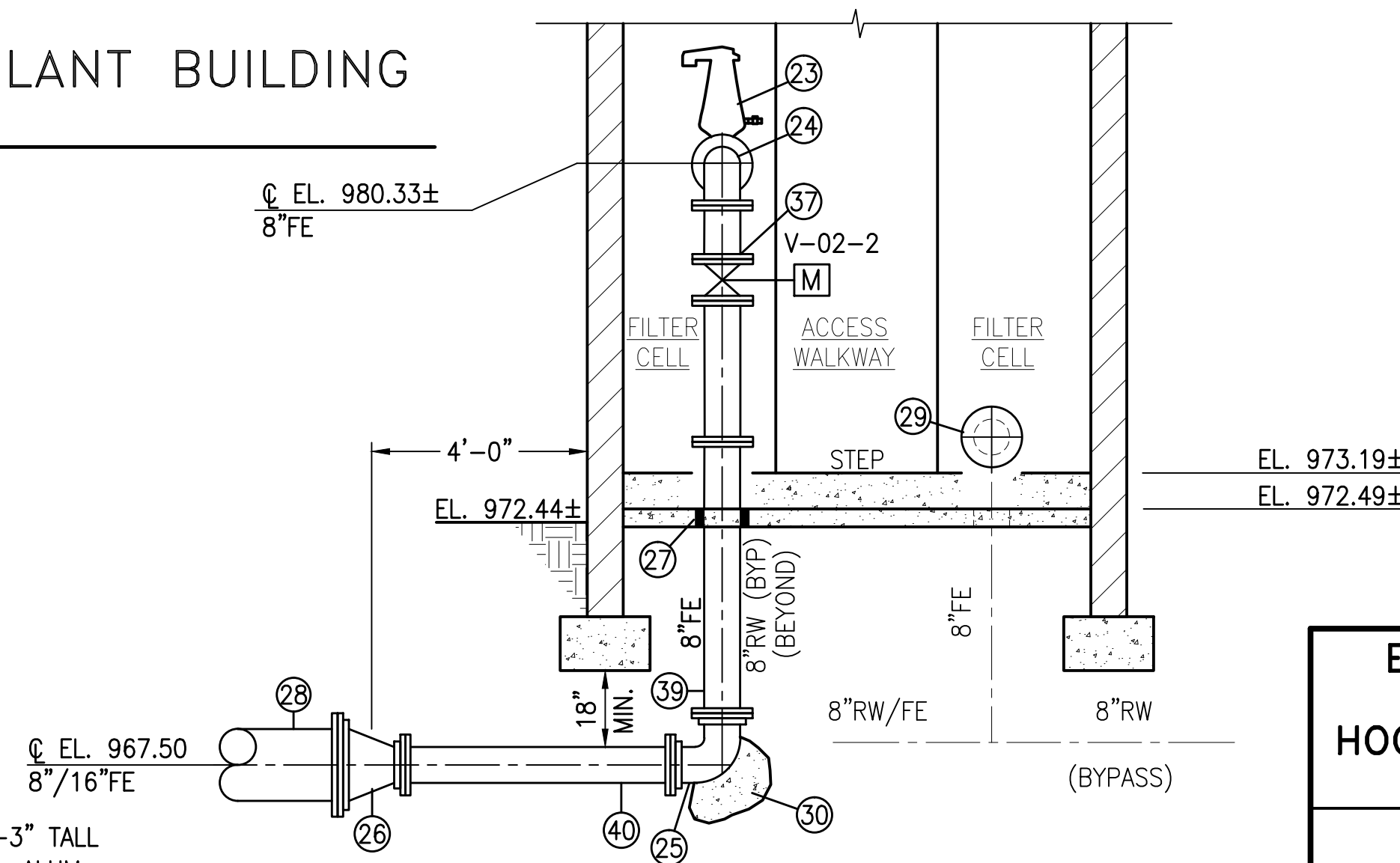
\* BACKWASH TROUGH WS EL.  
⑩ 12 GPM/SF = 972.50  
⑮ 15 GPM/SF = 972.58  
WEIR CREST EL. 972.03



SECTION 1  
SCALE: 1/2"=1'-0" M-04



SECTION 2  
SCALE: 1/2"=1'-0" M-04




SECTION 3  
SCALE: 3/8"=1'-0" M-04

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engineering | architecture | geospatial  
ENGINEER/ARCHITECT: Darren S. Wells  
CONSTRUCTION COMPANY: Mitchell & Stark Const. Co., Inc.  
DATE: FEBRUARY 2014

EXISTING TREATMENT PLANT BUILDING IMPROVEMENTS PLAN AND SECTIONS  
HOOSIER HILLS REGIONAL WATER DISTRICT  
CONTRACTS G-1 & G-5

DESIGNED: DSW		DATE: FEBRUARY 2012	
DRAWN: JAJ		SCALE: AS SHOWN	
REVIEWED: DRC		SHEET NO.	
APPROVED: DSW		M-04	

CLIENT CONTRACT NO. G-1/G-5				GRW PROJECT NO. 3235-04					
DRAWING SCALE CHECK:  THIS MARK SHOULD MEASURE EXACTLY 1" WHEN PLOTTED									
ALL RIGHTS RESERVED: THIS DOCUMENT IS THE PROPERTY OF GRW, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT WRITTEN PERMISSION OF GRW, INC.									
				This document, originally issued, sealed, and signed by Darren S. Wells, Indiana Professional Engineer, No. 10100200, on March 26, 2012, shall not be used in lieu of a certified document.		DESIGNED: DSW		DATE: FEBRUARY 2012	
						DRAWN: JAJ		SCALE: AS SHOWN	
		2/14 JAJ				REVIEWED: DRC		SHEET NO.	
		DATE BY				APPROVED: DSW		M-04	