NOTES: 1 ALL METAL FASTENERS, BRACKETS, MOUNTING HARDWARE AND ACCESSORIES SHALL BE CONSTRUCTED OF HASTELLOY, C. A UNISTRUT WALL MOUNTING SYSTEM SHALL BE USED. 2 CONTRACTOR SHALL SET INITIAL PRESSURE SETTINGS FOR THE MULTIPLE BACK PRESSURE VALVES BY OPERATING THE PUMP AT DESIGN FLOW AFTER INSTALLATION OF ALL APPURTENANDES. THE COMMON DOWNSTREAM BACK PRESSURE VALVE SHALL BE SET TO 10 PSI ABOVE THE SYSTEM OPERATING PRESSURE AND THE INDIVIDUAL UPSTREAM BACK PRESSURE VALVE LOCATED AT EACH PUMP SHALL BE SET TO 15 PSI ABOVE THE SYSTEM OPERATING PRESSURE. PRESSURE GAUGE, TYP 20,000 GAL FERRIC CHLORIDE STORAGE TANK NO.1 20,000 GAL FERRIC CHLORIDE STORAGE TANK NO.2 -Transition coupling from Rigid PVC to Flexible Tubing, TYP - CHARGING VALVE. TYP FE/FIT 58411 PULSATION DAMPENER, TYP FLUSHING CONNECTION, TYP FLEXIBLE TUBING. TYP TO INFLUENT JUNCTION CHAMBER 0 SPARE FLEXIBLE TUBING, TYP EA APPLICATION, CAP BOTH ENDS BACK PRESSURE VALVE, TYP MOV 58011 **⊞-**1691 FE/FI 58412 0 0 MAGNETIC FLOW METER, TYP TO TERTIARY TREATMENT (COAGULATION CLARIFIERS RAPID MIX) (SEE M582 FOR DETAILS) CALIBRATION CHAMBER VENT RETURN SHALL GOOSENECK INTO TOP OF PRV DISCHARGE MAGNETIC FLOW METER BYPASS, TYP BALL CHECK VALVE, TYP ⊞wi TO NEW NITRIFICATION CLARIFIER NO.7 ⊞-k⊗l-⊞ —ULTRASONIC LEVEL METER, TYP 3" TRANSFER TO NEW NITRIFICATION CLARIFIER NO.8 ALL TANKS CONNECTIONS SHALL BE FLANGED VENT WITH INSECT SCREEN. TYP 1 1/2" 1 1/2" 1 1/2" **⊞**+⊗+ 1/2" (FUTURE) OVERFLOW, TYP 20,000 GAL FERRIC CHLORIDE STORAGE TANK NO.3 20,000 GAL FERRIC CHLORIDE STORAGE TANK NO.4 TO EFFLUENT FILTERS DRAIN, TYP ØH. (FUTURE PUMPS) CALIBRATION CHAMBER, TYP-NO.10 ₩. FILL PANEL-NO.4 1/2 NO.8 -} 누**NO**'9 년종 -BALL CHECK VALVE L-16H-**⊞**k⊗l **⊞** +Ø+ **⊞** ₩ **⊞** +⊗+ **⊞** +⊗+ **⊞ ₩** BASKET STRAINE BASKET STRAINER, 3"x1" REDUCER - Pulsation dampener ass'y, typ -FLUSHING CONNECTION, TYP 4"x1" REDUCER -FLUSHING CONNECTION, TYP FLUSHING CONNECTION, TYP 4"x2" REDUCER, TYP OUTSIDE STRUCTURE INSIDE STRUCTURE FERRIC CHLORIDE SCHEMATIC NO SCALE JULY 2003 THE SCALE BAR DATE CITY OF ROANOKE DESIGNED_ THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769 RECORD DRAWING SHOWN BELOW H & S JOB 30788A COAGULATION CHEMICAL FEED FACILITIES HAZEN AND SAWYER MEASURES ONE THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER. THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY DAVID A. NAILOR, 025465. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT. VIRGINIA INCH LONG ON CHECKED_ MECHANICAL CONTRACT NUMBER DRAWING NUMBER RECORD DRAWINGS CONSTRUCTION REGULATORY APPROVAL THE ORIGINAL Environmental Engineers & Scientists PROJ. ENGR. DAN THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY RONALD L. TAYLOR, SEAL NO. 024649 REGIONAL WATER POLLUTION CONTROL PLANT DRAWING. 4011 WestChase Blvd, Raleigh, North Carolina 27607 M583 SCHEMATIC WET WEATHER IMPROVEMENTS ISSUED FOR