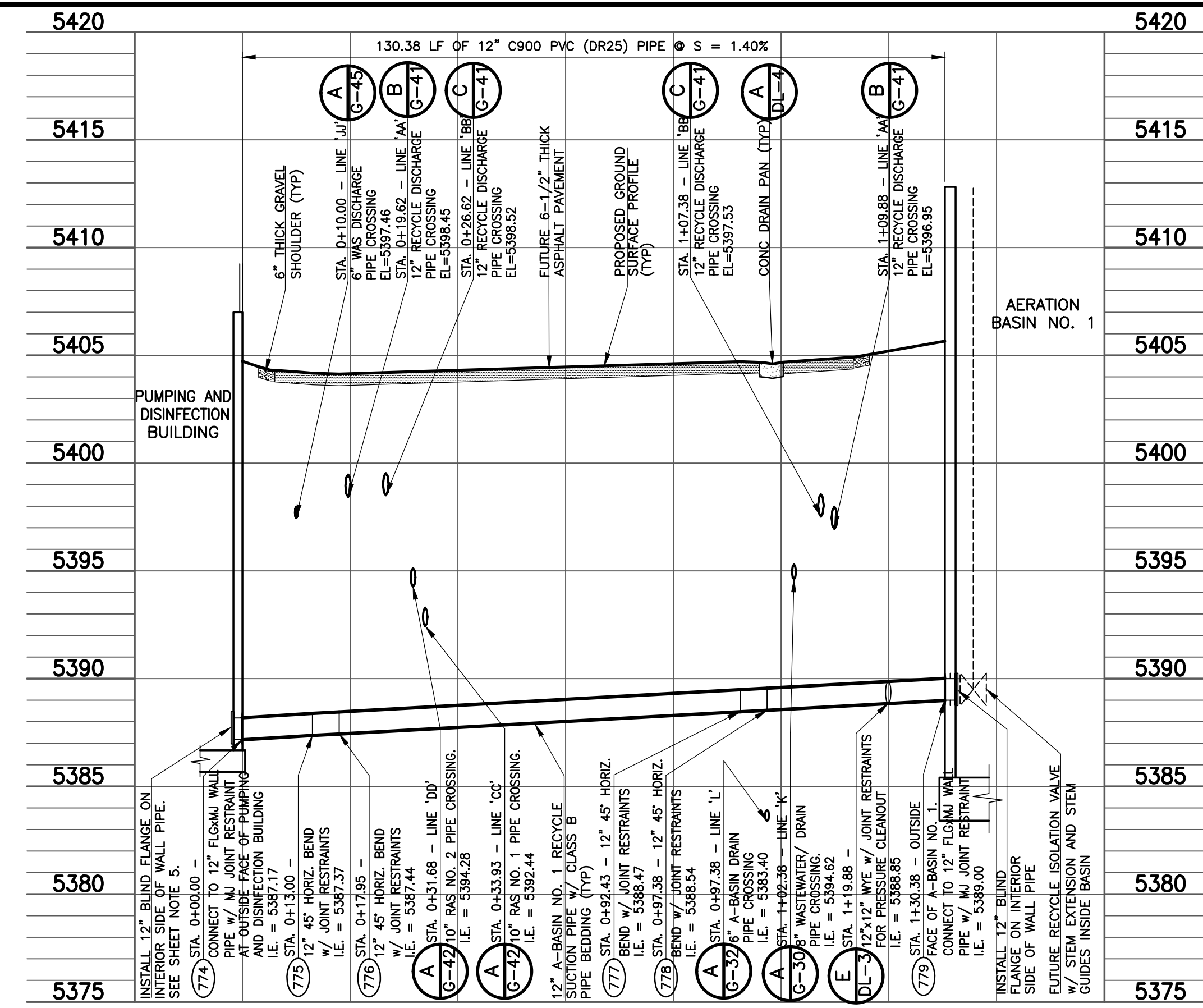
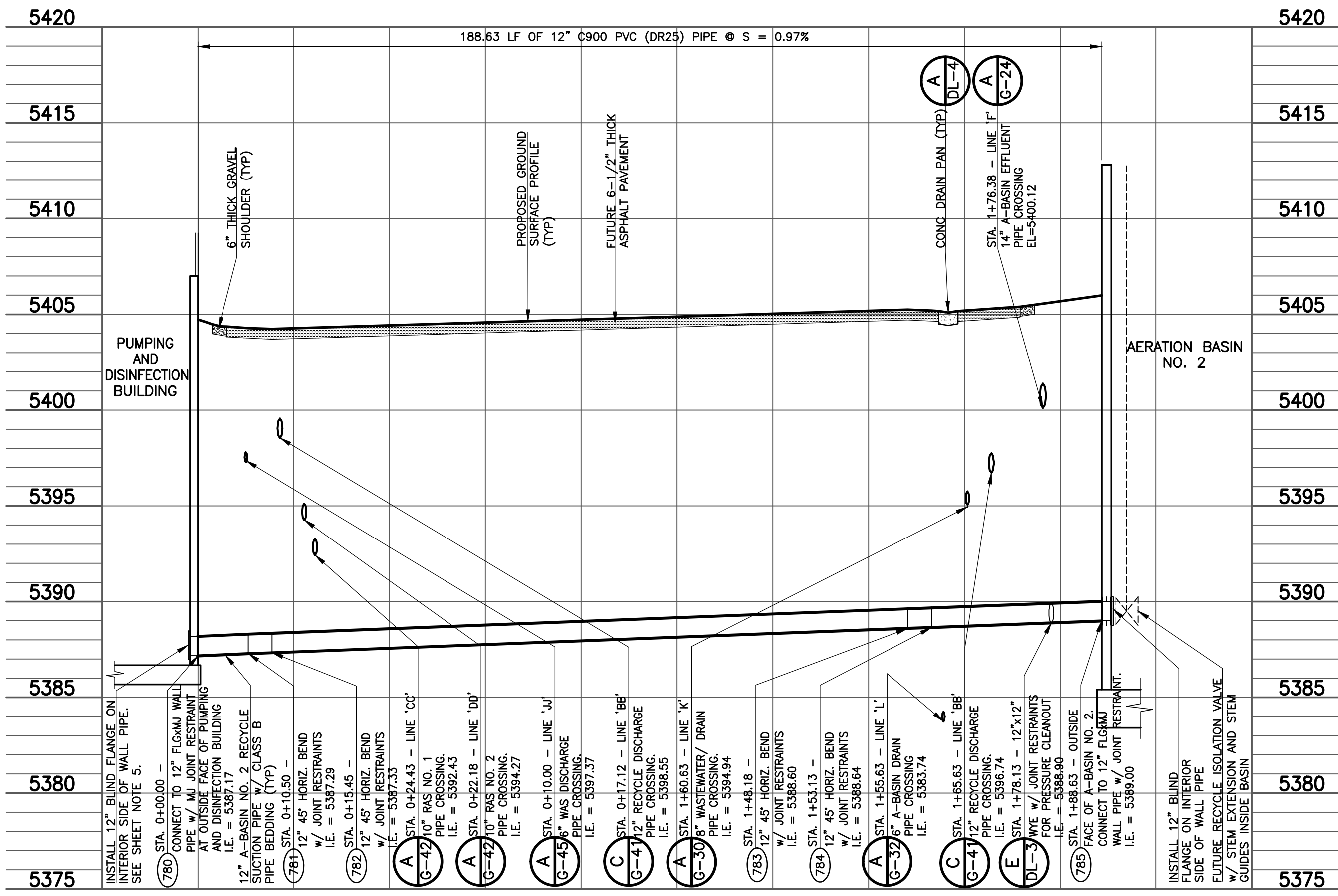


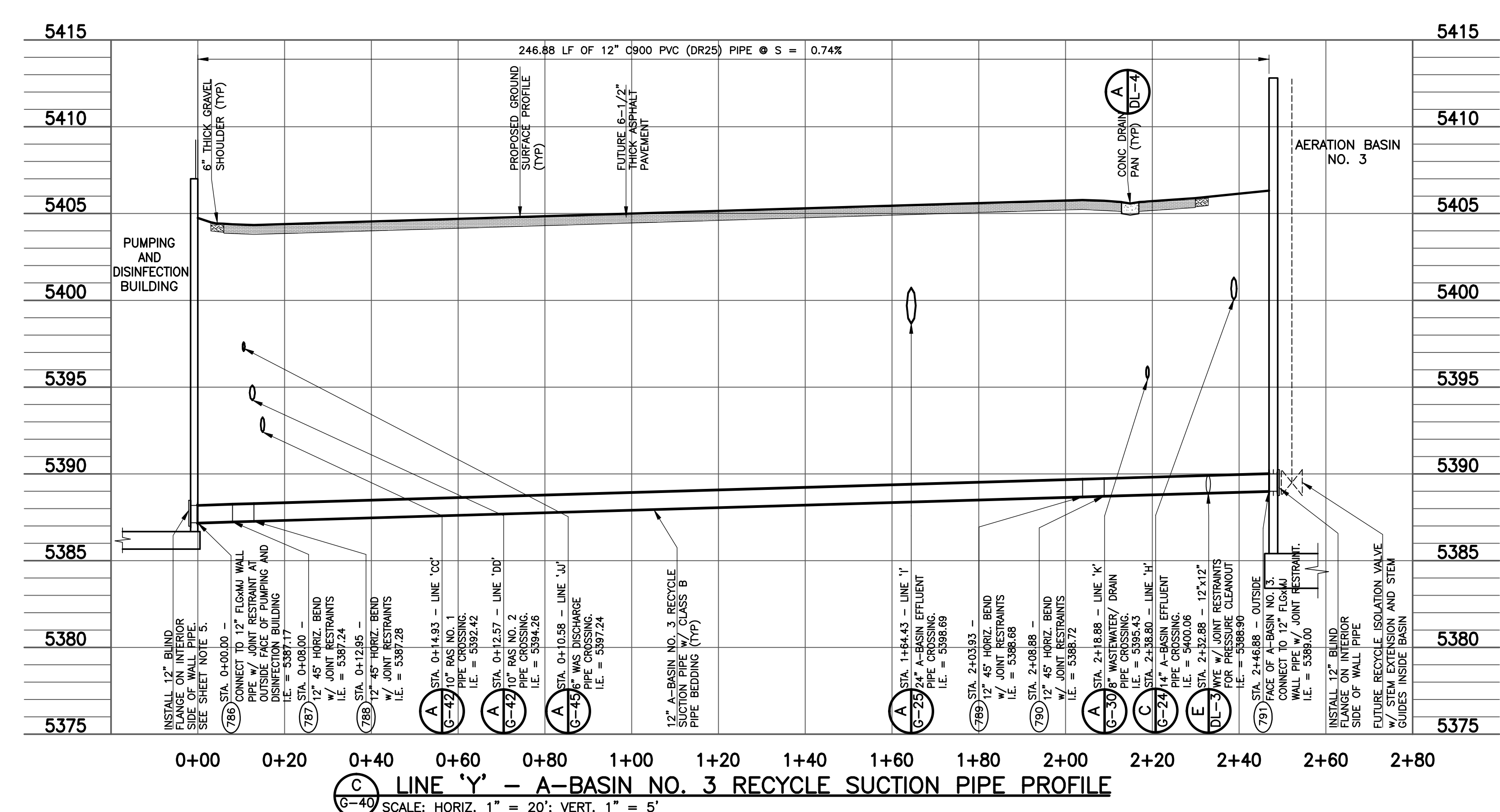
**1 LINE 'W', 'X' AND 'Y' - A-BASIN RECYCLE SUCTION PIPES PLAN**  
 SCALE: 1" = 20'



**A LINE 'W' - A-BASIN NO. 1 RECYCLE SUCTION PIPE PROFILE**  
 SCALE: HORIZ. 1" = 20'; VERT. 1" = 5'



**B LINE 'X' - A-BASIN NO. 2 RECYCLE SUCTION PIPE PROFILE**  
 SCALE: HORIZ. 1" = 20'; VERT. 1" = 5'



**C LINE 'Y' - A-BASIN NO. 3 RECYCLE SUCTION PIPE PROFILE**  
 SCALE: HORIZ. 1" = 20'; VERT. 1" = 5'

**SHEET NOTES:**

- FOR ALL 12" MJ FITTINGS WITH JOINT RESTRAINTS ON THE SUCTION PIPELINES, RESTRAIN ALL PIPE AND JOINTS ON EACH SIDE OF BEND OR FITTING FOR A MINIMUM LENGTH OF 6 FEET.
- FOR ALL 12" MJ VALVES WITH JOINT RESTRAINTS ON THE SUCTION PIPELINES, RESTRAIN ALL PIPE AND JOINTS ON EACH SIDE OF VALVE FOR A MINIMUM LENGTH OF 10 FEET.
- REFER TO SHEET G-41 FOR RESTRAINT REQUIREMENTS ON THE RECYCLE DISCHARGE PIPELINES.
- FURNISH AND INSTALL TRACER WIRE PER SPECIFICATION SECTION 02708 ON ALL RECYCLE SUCTION PIPELINES FROM AERATION BASINS TO PUMPING AND DISINFECTION BUILDING. RUN TRACER WIRE UP WALL OF BASIN AND PUMPING AND DISINFECTION BUILDING IN 3/4" PVC CONDUIT TAPED TO WALL. INSTALL REDUCER ON CONDUIT TO PROVIDE MINIMUM 18" LENGTH OF 2" PVC AT GROUND SURFACE TO COIL AND STORE THE END OF TRACER WIRE. PROVIDE 2" PVC CAP AT 6" ABOVE GROUND SURFACE MANUALLY SECURED TO CONDUIT. DO NOT SOLVENT WELD CAP.
- FURNISH BLIND FLANGE WITH 1" TAP AT THE PIPE INVERT. TAP MAY BE USED FOR PRESSURE TESTING. INSTALL 1" THREADED PLUG UPON SATISFACTORY COMPLETION OF PRESSURE TESTING.

REVISIONS		
NO.	DATE	DESCRIPTION
1	03/09/2012	ISSUED FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF GMS, INC., AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH THIS COMPANY.

**LINES 'W', 'X' AND 'Y' - A-BASIN RECYCLE SUCTION PIPES PLAN AND PROFILES**  
 HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY  
 LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN	SKC	<b>GMS, INC.</b> CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	<b>SHEET G-40</b> OF 1
DESIGNED	MAM		
CHECKED	RJS		
DATE	2011		
PROJECT NO.	20166.325		
GMS FILE NO.	2599		