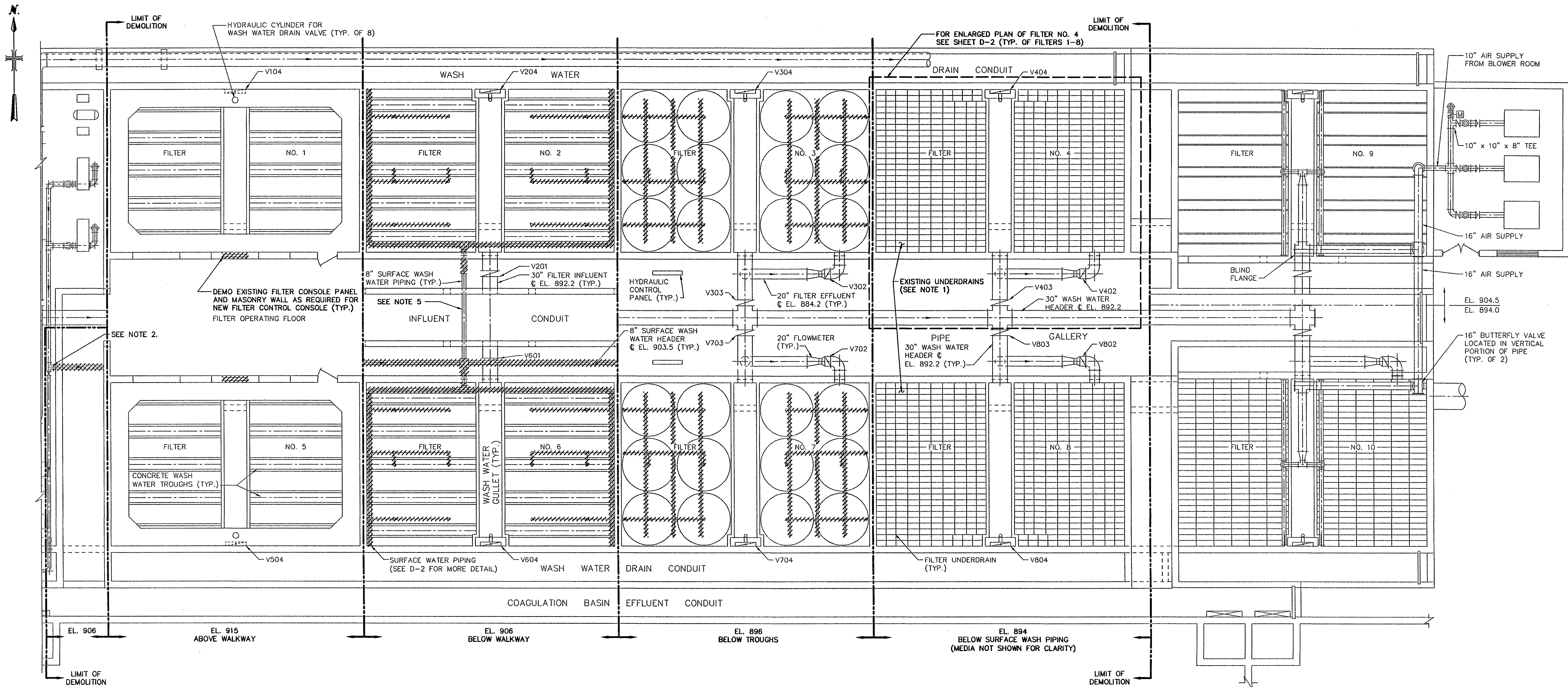


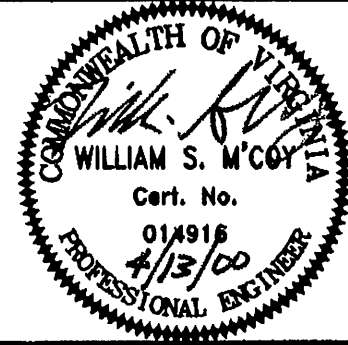
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DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

- NOTES:
- DEMOLITION WORK INCLUDED UNDER THE BASE BID INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
 - DEMOLISH UNDERDRAINS, SUPPORT GRAVEL AND MEDIA IN FILTERS 4 AND 8. SEE SHEET D-2 FOR ADDITIONAL DETAILS. DEMOLITION HATCH FOR UNDERDRAINS NOT SHOWN FOR CLARITY. FILTERS GENERALLY CONSIST OF 14-INCHES OF SUPPORT GRAVEL, 10-INCHES OF SAND AND 20-INCHES OF ANTHRACITE.
 - DISCONNECT SURFACE WASH PIPING AT 8-INCH WALL PIPE AND DEMOLISH ENTIRE SURFACE WASH SYSTEM IN FILTERS 4 AND 8, INCLUDING ALL PIPING SUPPORTS AND AGITATORS.
 - DEMOLISH 8-INCH SURFACE WASH PIPING, INCLUDING ALL VALVES AND SUPPORTS, IN FILTER GALLERY BACK TO CROSS AT FILTER 7. INSTALL BLIND FLANGE ON SIDE OF CROSS WHERE PIPING HAS BEEN REMOVED. ENSURE PIPING, SUPPLYING FILTERS TO REMAIN IN SERVICE, IS COMPLETE AND OPERATIONAL.
 - REMOVE HYDRAULIC ACTUATORS ON THE FOLLOWING VALVES ASSOCIATED WITH FILTERS 4 AND 8: FILTER INFLUENT, FILTER EFFLUENT, FILTER WASH WATER, FILTER WASH WATER DRAIN. ALSO REMOVE ASSOCIATED HYDRAULIC SUPPLY PIPING, VALVES AND SUPPORTS SERVING ACTUATORS TO BE REMOVED. HYDRAULIC PIPING SHALL BE DEMOLISHED BACK TO THE HYDRAULIC CONTROL PANEL.
 - DEMOLISH FILTER CONTROL PANELS IN FILTERS 4 AND 8.
 - DISPOSE OF ALL MATERIAL REMOVED OFF-SITE.
 - DEMOLITION WORK INCLUDED UNDER THE ALTERNATE BID ITEMS INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
 - DEMOLISH UNDERDRAINS, SUPPORT GRAVEL AND MEDIA IN FILTERS AS SPECIFIED UNDER SELECTED ALTERNATE, IF ANY. SEE SHEET D-2 FOR ADDITIONAL DETAILS. DEMOLITION HATCH FOR UNDERDRAINS NOT SHOWN FOR CLARITY. FILTERS GENERALLY CONSIST OF 14-INCHES OF SUPPORT GRAVEL, 10-INCHES OF SAND AND 20-INCHES OF ANTHRACITE.
 - DISCONNECT SURFACE WASH PIPING AT 8-INCH WALL PIPE AND DEMOLISH ENTIRE SURFACE WASH SYSTEM IN FILTERS SPECIFIED UNDER SELECTED ALTERNATE, IF ANY, INCLUDING ALL PIPING SUPPORTS AND AGITATORS.
 - DEMOLISH 8-INCH SURFACE WASH PIPING, INCLUDING ALL VALVES AND SUPPORTS, IN FILTER GALLERY BACK TO CROSS AT FILTERS TO REMAIN OR BACK TO TEE IN HEAD HOUSE. INSTALL BLIND FLANGE ON SIDE OF CROSS OR TEE WHERE PIPING HAS BEEN REMOVED.
 - REMOVE HYDRAULIC ACTUATORS ON THE FOLLOWING VALVES ASSOCIATED WITH FILTERS SPECIFIED UNDER SELECTED ALTERNATE, IF ANY: FILTER INFLUENT, FILTER EFFLUENT, FILTER WASH WATER, FILTER WASH WATER DRAIN. ALSO REMOVE ASSOCIATED HYDRAULIC SUPPLY PIPING, VALVES AND SUPPORTS SERVING ACTUATORS TO BE REMOVED. HYDRAULIC PIPING SHALL BE DEMOLISHED BACK TO THE HYDRAULIC CONTROL PANEL.
 - DEMOLISH FILTER CONTROL PANELS IN FILTERS SPECIFIED UNDER SELECTED ALTERNATE, IF ANY.
 - DISPOSE OF ALL MATERIAL REMOVED OFF-SITE.
 - NOT ALL VALVES ARE SHOWN. SEE SHEET D-2 FOR VALVES AND LOCATIONS TYPICAL FOR EACH FILTER. SEE VALVE SCHEDULE IN SPECIFICATION SECTION 13226 "FILTRATION EQUIPMENT", FOR A DESCRIPTION OF VALVES.
 - REFER TO SPECIFICATION SECTION 02050 "DEMOLITION", FOR ADDITIONAL DEMOLITION REQUIREMENTS.
 - 8" SURFACE WASH HEADER CAST INTO INFLUENT CONDUIT WALLS TO REMAIN IN PLACE.

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REVISIONS				REMARKS
NO.	BY	DATE		

DES BJL/PBB
DWN JLC
CKD



CITY OF ROANOKE, VIRGINIA
**WATER POLLUTION
CONTROL PLANT**
EFFLUENT FILTER REHABILITATION

EFFLUENT FILTERS
DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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D SHEET 1 OF 2
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