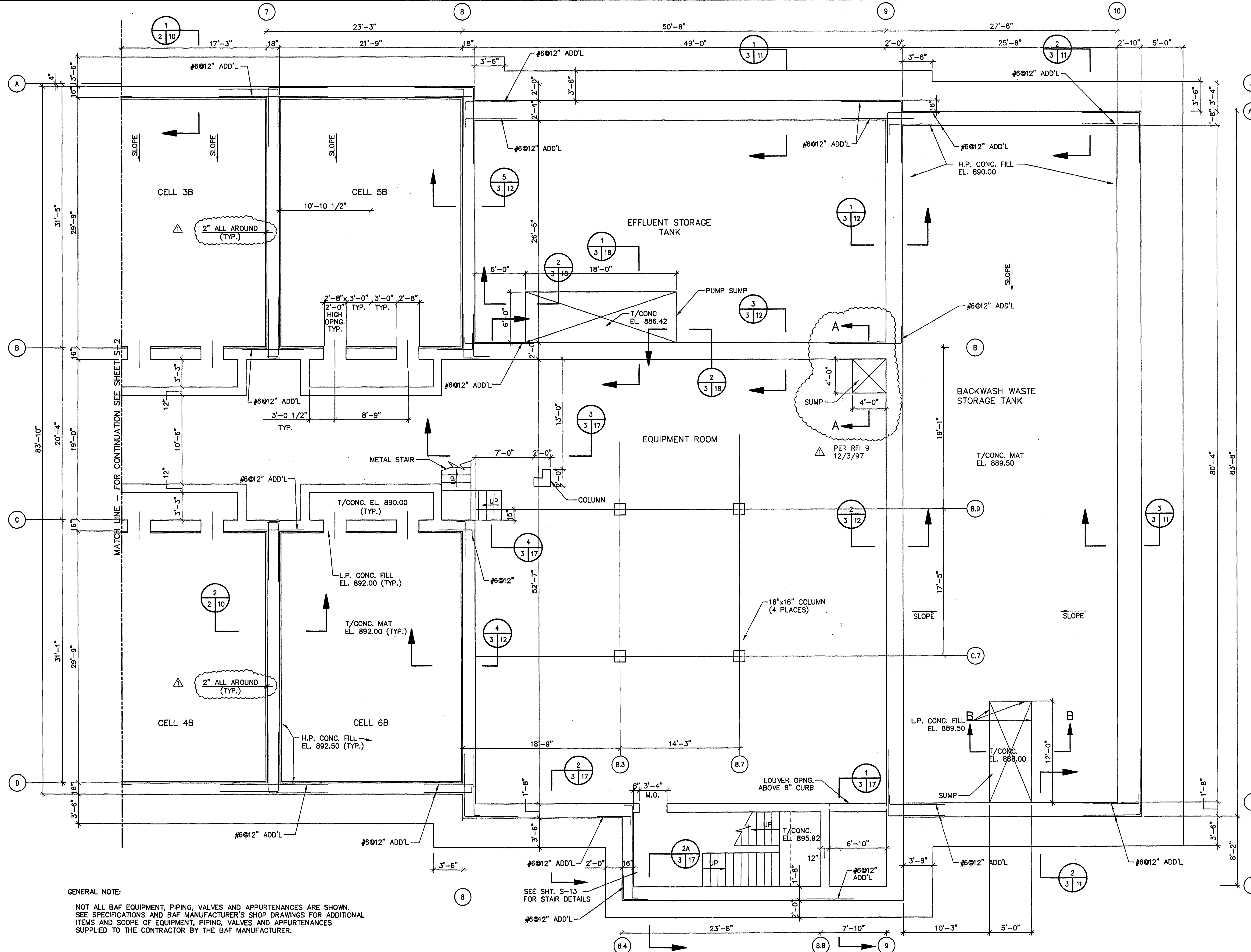
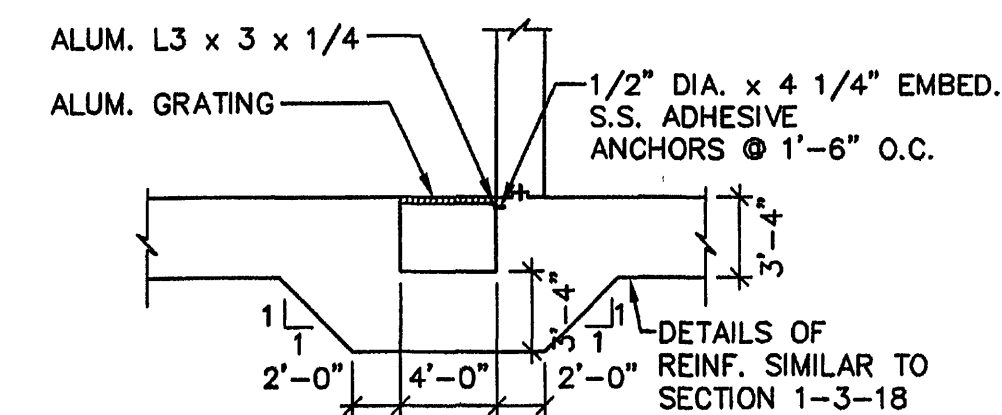


4445 0060028505 1:1 Date: 05/06/1987 Time: 07:43



GENERAL NOTE:

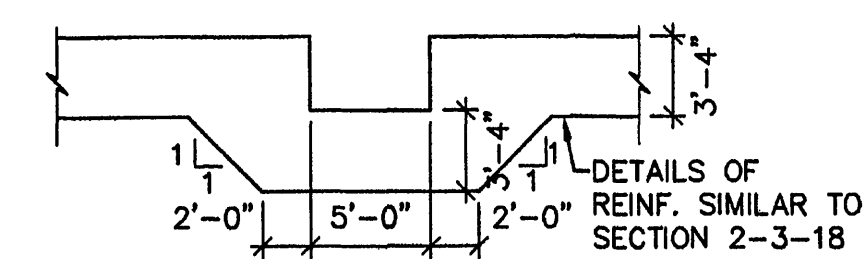
NOT ALL BAF EQUIPMENT, PIPING, VALVES AND APPURTENANCES ARE SHOWN. SEE SPECIFICATIONS AND BAF MANUFACTURER'S SHOP DRAWINGS FOR ADDITIONAL ITEMS AND SCOPE OF EQUIPMENT, PIPING, VALVES AND APPURTENANCES SUPPLIED TO THE CONTRACTOR BY THE BAF MANUFACTURER.



DETAILS OF FOUNDATION MAT @ BAF SUMP

SECTION A-A

N.T.S.
PER RFI 9
12/3/97



DETAILS OF FOUNDATION MAT @ BACKWASH STORAGE SUMP

SECTION B-B

N.T.S.
PER RFI 9
12/3/97

NOTES:

- ALLOWABLE SOIL BEARING PRESSURE:
FIRST STAGE FILTERS: 2000 PSF
SECOND STAGE FILTERS & AREAS @ EL. 899.50: 4000 PSF
- ADEQUATE SHEETING, SHORING & BRACING SHALL BE INSTALLED FOR EXCAVATION AND FOR PROTECTION OF ADJACENT STRUCTURES.
- ADEQUATE DEWATERING MEASURES SHALL BE TAKEN TO PROTECT STRUCTURES FROM FLOATAION DURING CONSTRUCTION.
- MAT THICKNESS & REINF. (U.O.N.)
FIRST STAGE FILTERS: 2'-0" THK W/ #7@12" T&B E.W.
SECOND STAGE FILTERS & AREAS @ EL. 899.50: 4'-0" THK W/ #8@12" T&B E.W. PROVIDE ADDITIONAL REINF AS INDICATED ON SECTIONS AND PLAN.
PLACE OUTERMOST BARS IN NORTH SOUTH DIRECTION. ALL ADDITIONAL HORIZONTAL BARS SHOWN AT WALL CORNERS AND INTERSECTIONS SHALL BE #7@12" UNLESS OTHERWISE INDICATED.
- PLACE ADDITIONAL BARS AS SHOWN IN TYPICAL DETAILS. PROVIDE CONCRETE PADS AS SHOWN IN TYPICAL DETAILS UNDER ALL EQUIPMENT.
- COORDINATE PIPE PENETRATIONS WITH "M" DRAWINGS AND BAF MANUFACTURER'S DRAWINGS.
- FOR LAYOUT OF WALKWAY PLATFORM AND STAIRS INSIDE PIPE GALLERY, SEE BAF MANUFACTURER'S DRAWINGS.
- C.P. # INDICATES COORDINATE POINT AS SHOWN ON "G" DWGS.
- * INDICATES DIMENSIONS TO BE COORDINATED WITH PIPING & EQUIPMENT.
- EXISTING SOIL BELOW THE FOUNDATION MAT OF BAF (2ND. STAGE), EQUIPMENT ROOM, BACKWASH WASTE STORAGE AND EFFLUENT STORAGE TANKS SHALL BE REMOVED DOWN TO THE BEDROCK AND REPLACED BY COMPACT SELECT FILL (VDOT NO. 21-A CRUSHED STONE)

MALCOLM PIRNIE
11832 Rock Landing Drive, Suite 400
Newport News, Virginia 23606

REVISIONS				DES	DWN	CKD
NO.	BY	DATE	REMARKS			
1	ARB	JAN. 2000	RECORD DRAWING	MZ	DRK	DB



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

BIOLOGICAL AERATED FILTER
FOUNDATION PLAN
SHEET 2
SCALE: 3/16"=1'-0"

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DATE MAY 1997
SHEET 3 OF 44
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