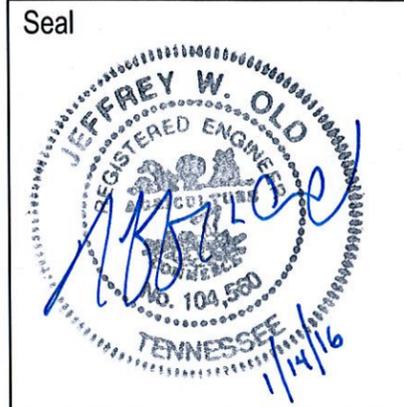


GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE SHELBY COUNTY ENGINEERING OFFICE AT 901-222-7705 A MINIMUM OF 24 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. ALL NEWLY CUT OR FILLED AREAS LACKING ADEQUATE VEGETATION SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SODDED AS SPECIFIED TO EFFECTIVELY CONTROL SOIL EROSION.
3. THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN AND ADJACENT TO THE CONSTRUCTION LIMITS, WHETHER SHOWN ON THE PLANS OR NOT, DURING THE WORK ON THE PROJECT. FOR SITE LOCATIONS OF EXISTING UTILITIES INVOLVING MLG&W, BELLSOUTH AND/OR TEXAS GAS, CALL 1-800-351-1111. FOR SANITARY SEWER LOCATIONS, CALL RANDY CRAWFORD AT 901-508-5782.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES.
5. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE SHELBY COUNTY CONSTRUCTION SPECIFICATIONS, UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL FIELD VERIFY ALL PROPERTY LINES PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
7. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS PRIOR TO COMMENCEMENT OF WORK. ANY CONSTRUCTION WORK AFFECTED BY SAID DISCREPANCIES AND/OR VARIATIONS SHALL CEASE UNTIL ADDRESSED BY THE PROJECT ENGINEER.
8. ALL WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SAFE WORK ENVIRONMENT, INCLUDING THE INSTALLATION OF TEMPORARY FENCING AND OTHER SAFETY BARRIERS AS NECESSARY DURING ALL PHASES OF CONSTRUCTION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION RELATED SURVEYING, INCLUDING ALL LAYOUT AND GRADE STAKING.
11. IT IS MANDATORY THAT THERE SHALL BE NO INTERRUPTION OF SEWER OR WATER SERVICE TO USERS AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT. IT IS ALSO MANDATORY THAT THERE SHALL BE NO RELEASE OF SEWAGE TO THE ENVIRONMENT AT ANY TIME.

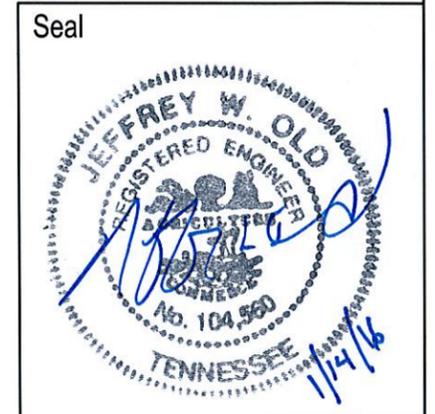
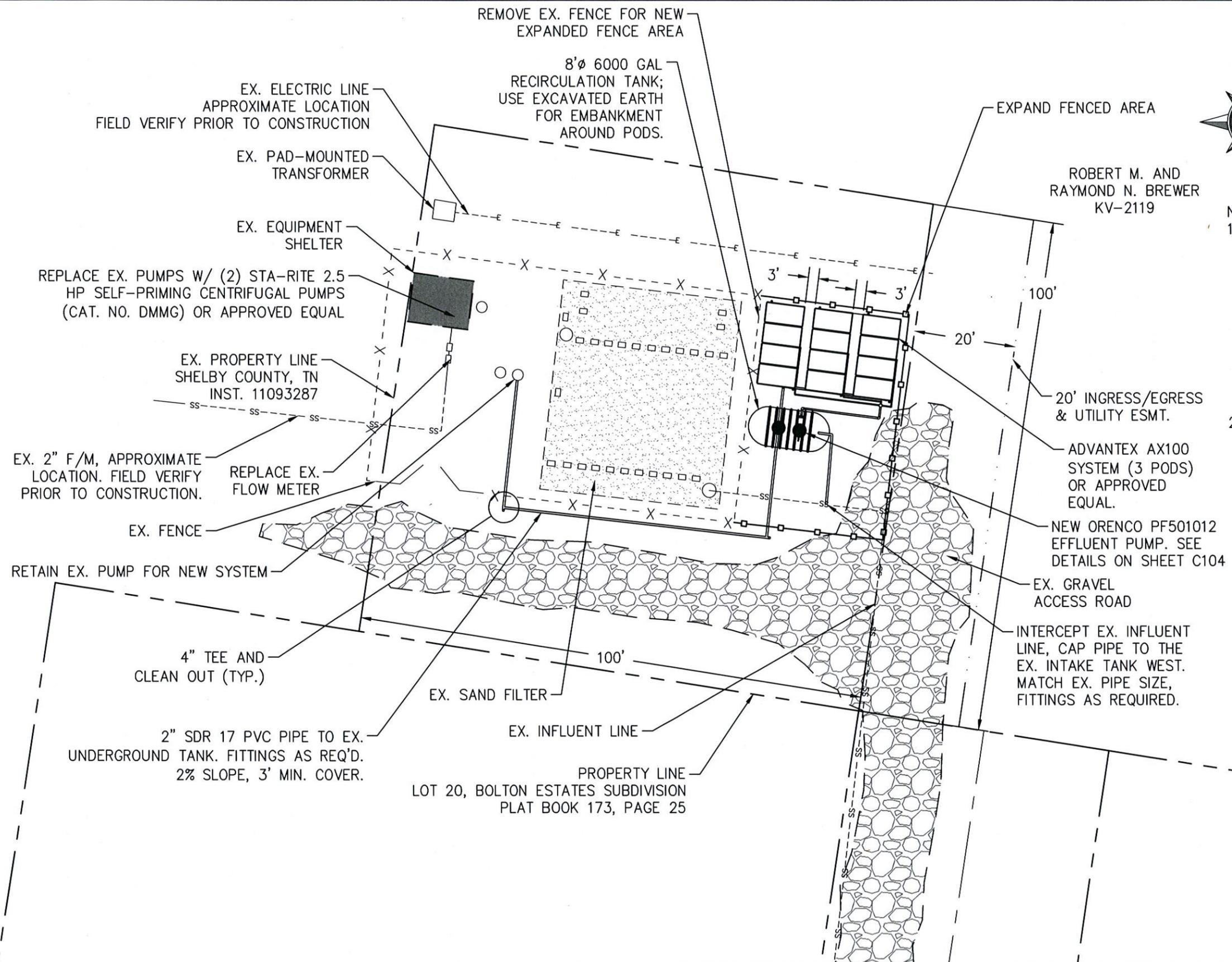


 <p><b>FISHER ARNOLD</b> ENGINEERING INTEGRATION 9180 Crestwyn Hills Drive   Memphis, Tennessee 38125-8538 901.748.1811   Fax: 901.748.3115   www.fisherarnold.com</p>	<p><b>BOLTON ESTATES WASTE WATER SHELBY COUNTY BOLTON, TN</b></p>		DESIGN: JWO	DRAWN: JWB	SCALE: N/A	SHEET
			DATE: 01/14/2016		GENERAL NOTES	C100
			JOB #: A9105			

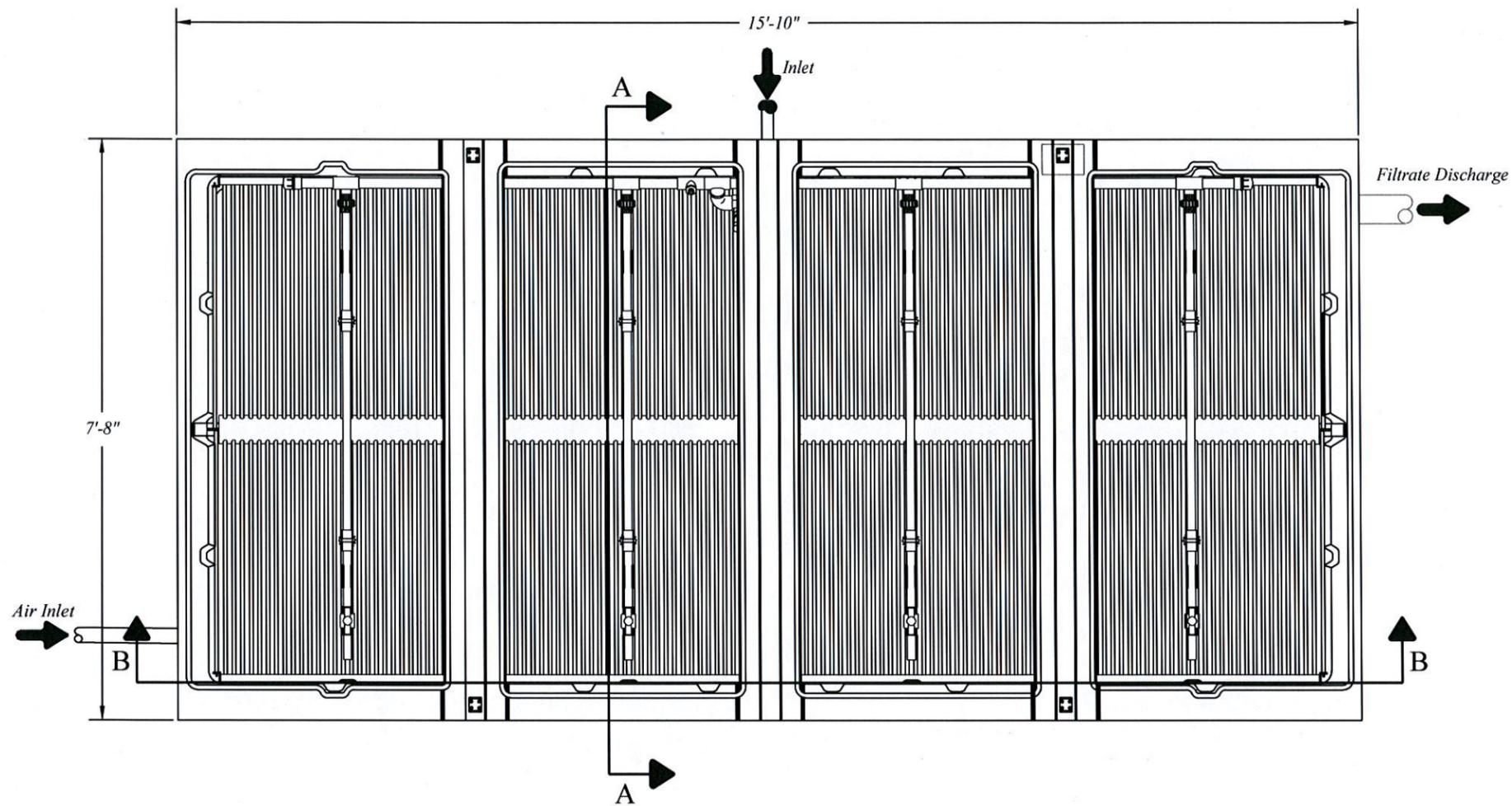


NOTES:

1. FOR COMPATIBILITY AND TO INSURE A COMPLETE AND OPERATIONAL SYSTEM, THE EQUIPMENT SUPPLIER WILL FURNISH AX100 PODS, RECIRCULATION TANK (WITH CONTENTS AS SHOWN ON C104), RECIRC. PUMPS, SPECIALTY PIPING, PASSIVE VENTS, CONTROLS, AND ALL OTHER PROPRIETARY APPURTENANCES. IF CONTRACTOR SEEKS TO HAVE AN ALTERNATE BRAND DEEMED "EQUAL", SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS PRIOR TO BID.
2. CONTRACTOR WILL PROVIDE UNINTERRUPTED SEWER SERVICE FOR THE HOMES OF BOLTON ESTATES DURING CONSTRUCTION. TYING IN THE NEW SYSTEM WILL BE COORDINATED WITH SHELBY COUNTY ENGINEERING.

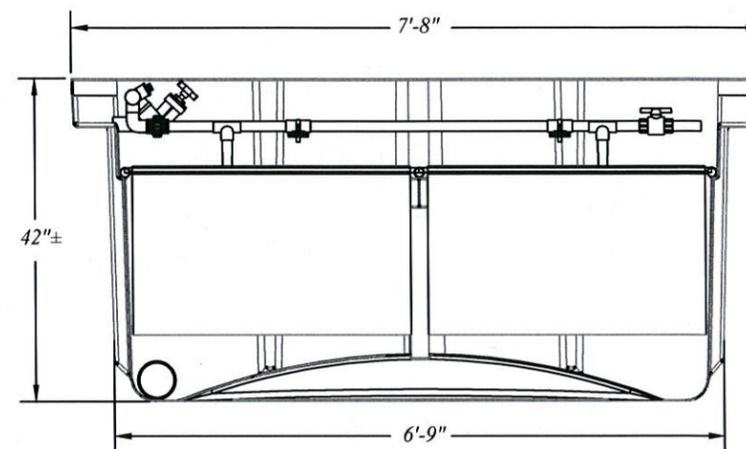


<p><b>FISHER ARNOLD</b> ENGINEERING INTEGRATION 9180 Crestwyn Hills Drive   Memphis, Tennessee 38125-8538 901.748.1811   Fax: 901.748.3115   www.fisherarnold.com</p>	<p><b>BOLTON ESTATES WASTE WATER</b> <b>SHELBY COUNTY</b> <b>BOLTON, TN</b></p>		DESIGN: JWO	DRAWN: JWB	SCALE: 1" = 20'	SHEET <b>C101</b>
			DATE: 01/14/2016	SITE PLAN		
			JOB #: A9105			



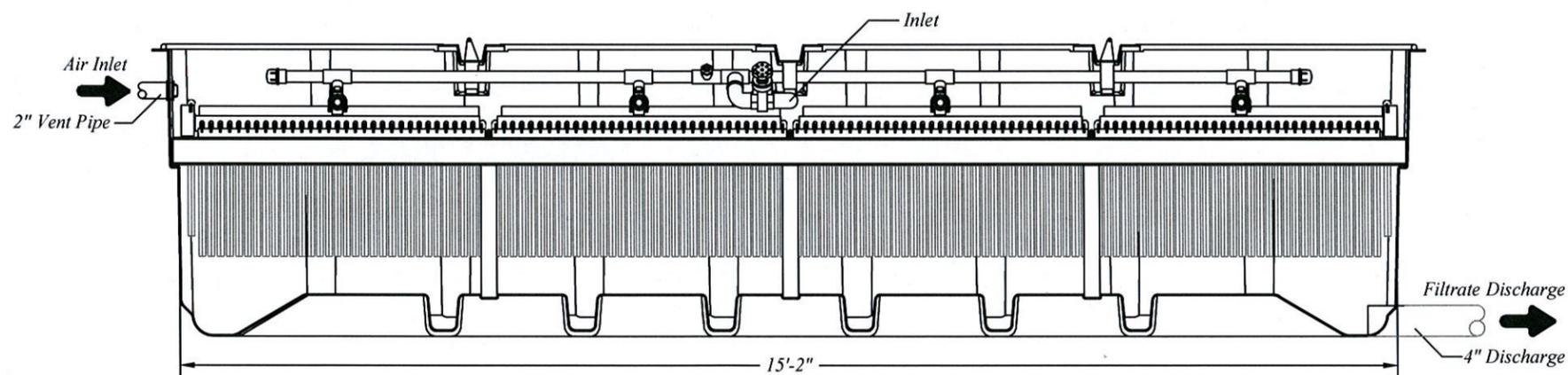
POD PLAN VIEW

$\frac{1}{2}'' = 1'-0''$



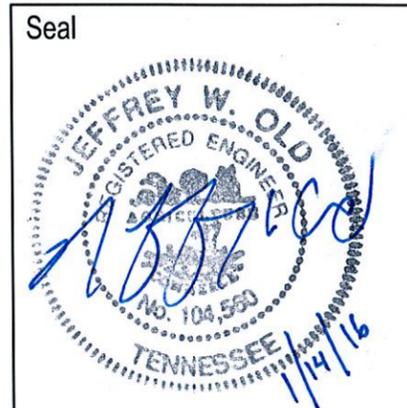
SECTION B-B

$\frac{1}{2}'' = 1'-0''$



SECTION B-B

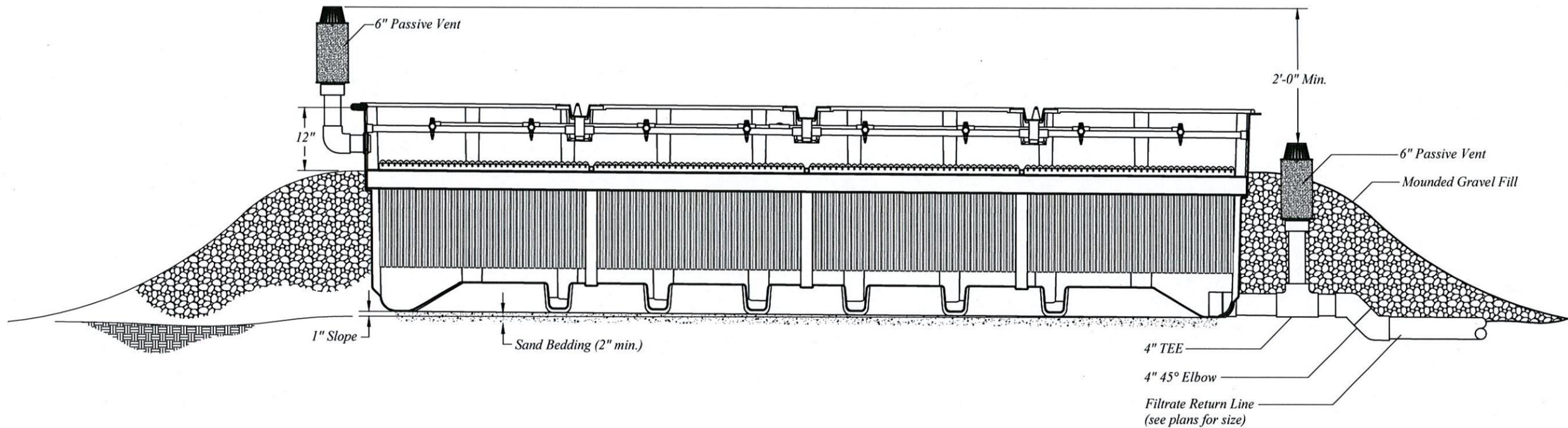
$\frac{1}{2}'' = 1'-0''$



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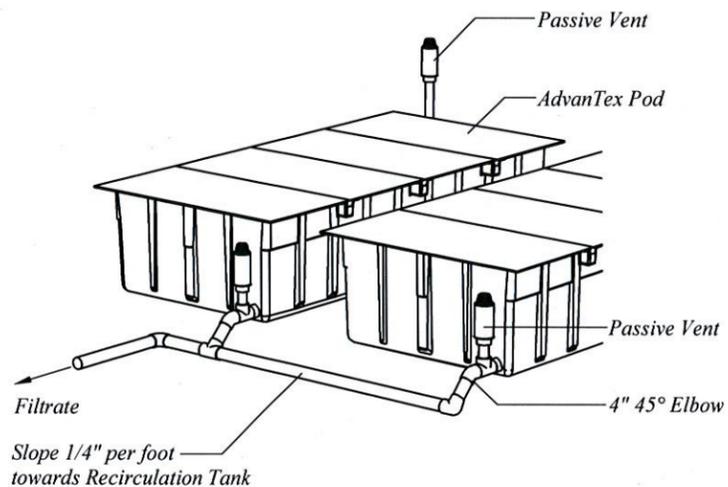
BOLTON ESTATES WASTE WATER  
SHELBY COUNTY  
BOLTON, TN

DESIGN: JWO	DRAWN: JWB	SCALE: 1/2" = 1'	SHEET
DATE: 01/14/2016	FILTER DETAILS		C102
JOB #: A9105			



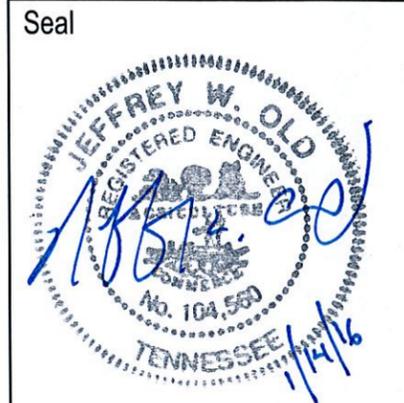
**POD DETAIL- MOUND OPTION**

$\frac{1}{2}'' = 1'-0''$

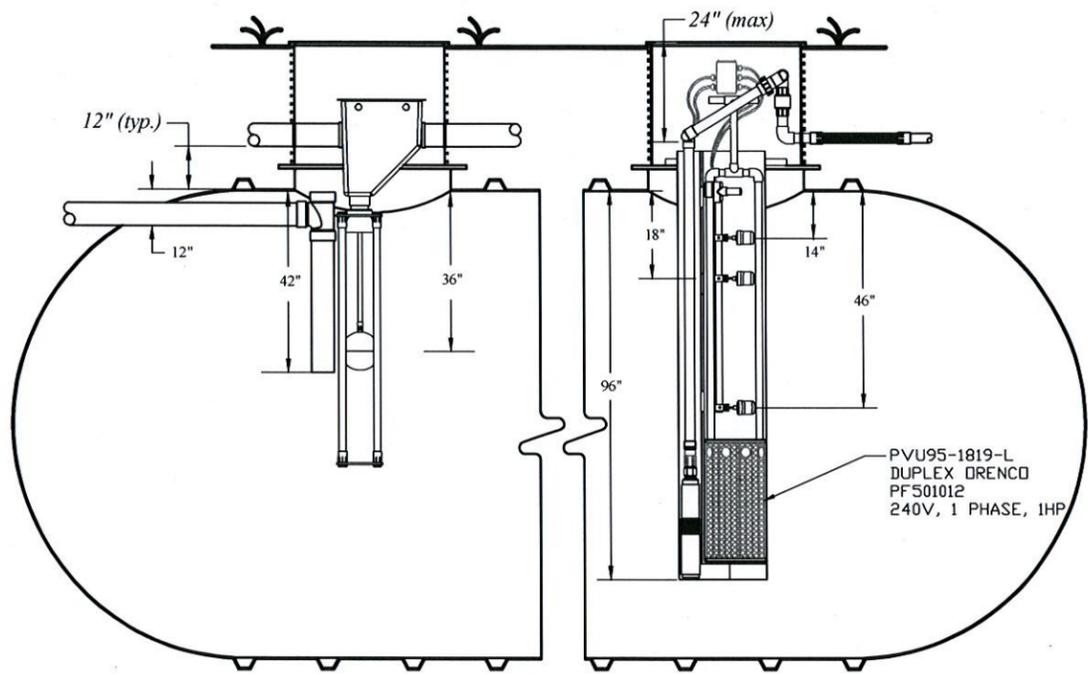


**MULTI POD FILTRATE RETURN WITH PASSIVE VENTS**

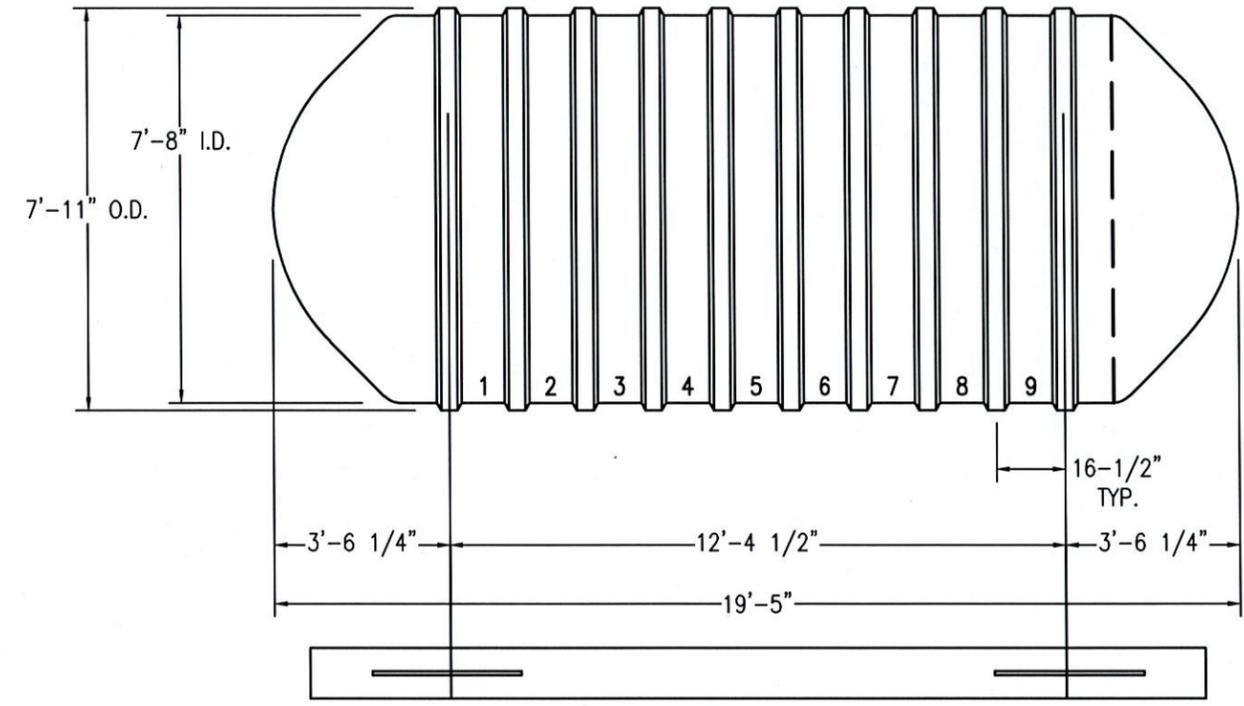
N.T.S.



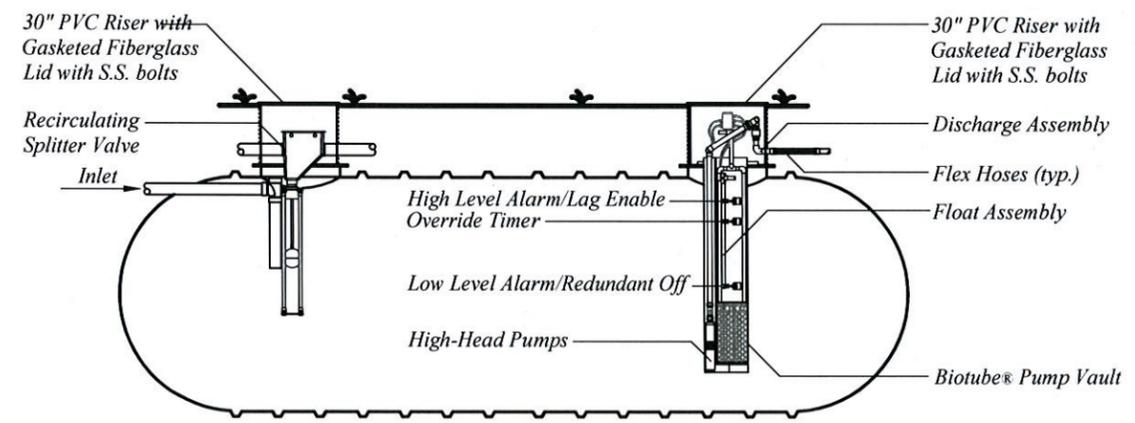
<p><b>FISHER ARNOLD</b> ENGINEERING INTEGRATION 9180 Crestwyn Hills Drive   Memphis, Tennessee 38125-8538 901.748.1811   Fax: 901.748.3115   www.fisherarnold.com</p>	<p><b>BOLTON ESTATES WASTE WATER SHELBY COUNTY BOLTON, TN</b></p>	DESIGN: JWO	DRAWN: JWB	SCALE: 1/2"=1'-0"	SHEET
		DATE: 01/14/2016	PASSIVE VENT DETAILS		C103
		JOB #: A9105			



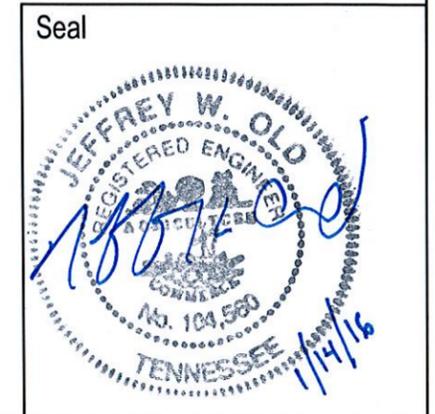
**RECIRCULATION TANK FLOAT AND RSV SETTINGS**  
N.T.S.



OPTIONAL 12"x 12"x 18' DEADMAN  
**RECIRCULATION TANK**  
N.T.S.



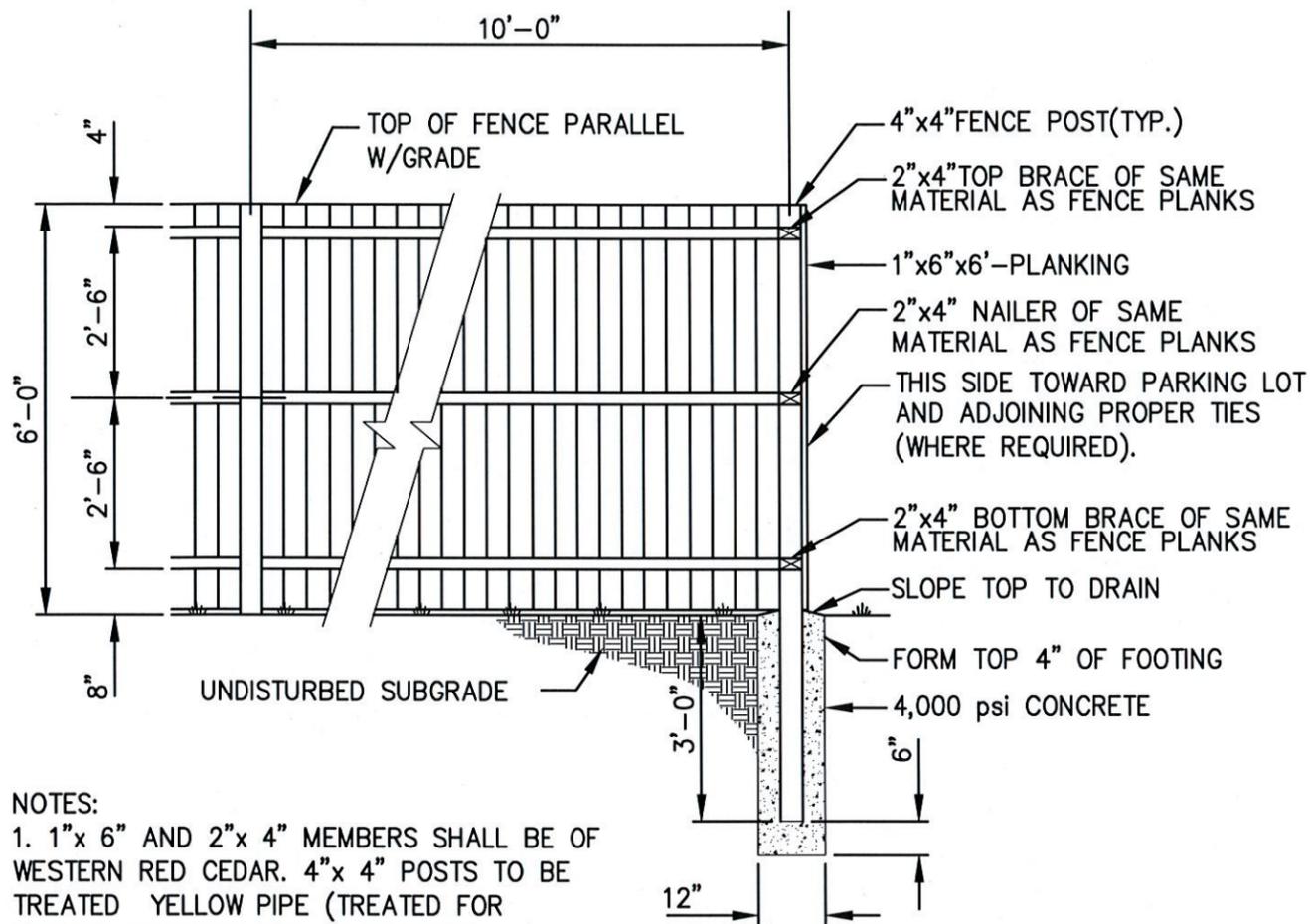
**RECIRCULATION TANK MECHANICAL ASSEMBLY**  
N.T.S.



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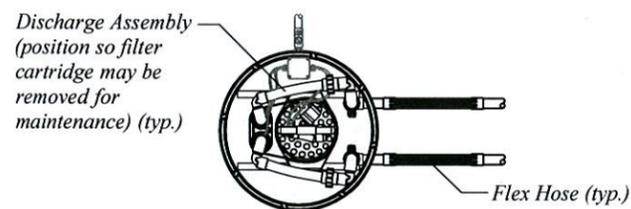
**BOLTON ESTATES WASTE WATER**  
SHELBY COUNTY  
BOLTON, TN

DESIGN: JWO	DRAWN: JWB	SCALE: N.T.S.	SHEET
DATE: 01/14/2016	RECIRCULATION TANK		C104
JOB #: A9105			

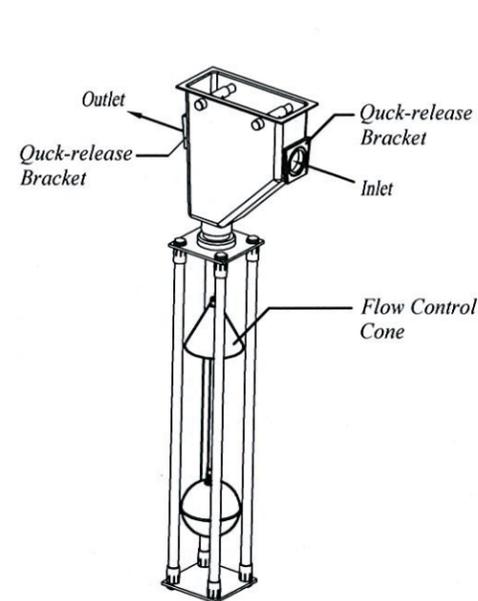


- NOTES:
1. 1"x 6" AND 2"x 4" MEMBERS SHALL BE OF WESTERN RED CEDAR. 4"x 4" POSTS TO BE TREATED YELLOW PIPE (TREATED FOR GROUND CONTACT AND 40 YR. LIFE)
  2. ALL HARDWARE SHALL BE GALVANIZED.

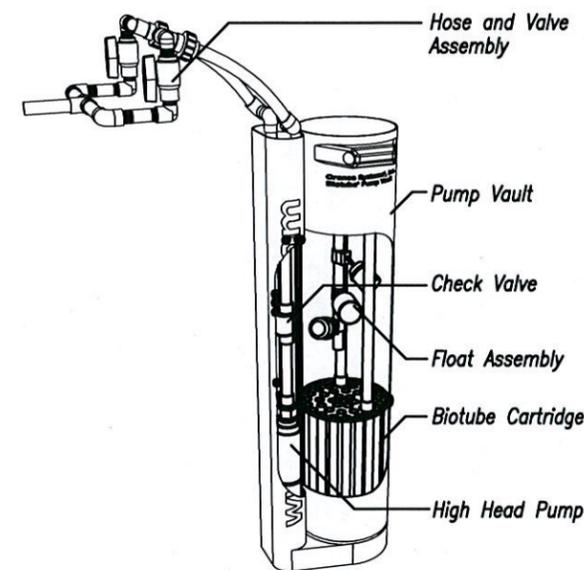
**WOOD FENCE**  
N.T.S.



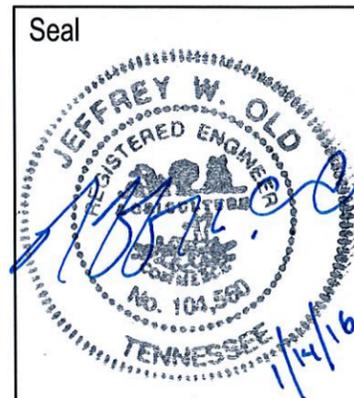
**TYPICAL DUPLEX PLUMBING DETAIL**  
N.T.S.



**RECIRCULING BALL VALVE DETAIL**  
N.T.S.



**DUPLEX PUMP VAULT DETAIL**  
N.T.S.

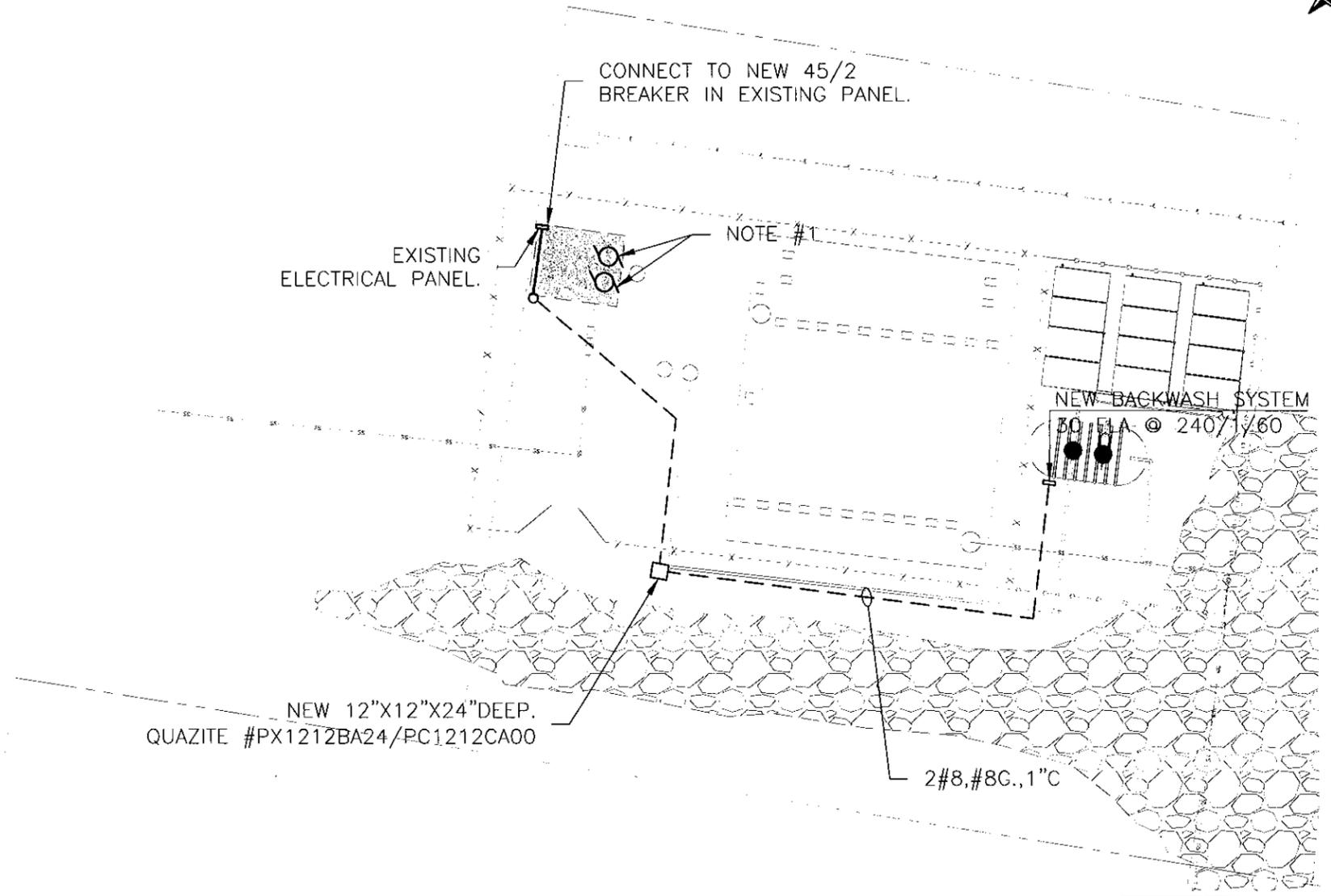


# ELECTRICAL – SPECIFICATIONS:



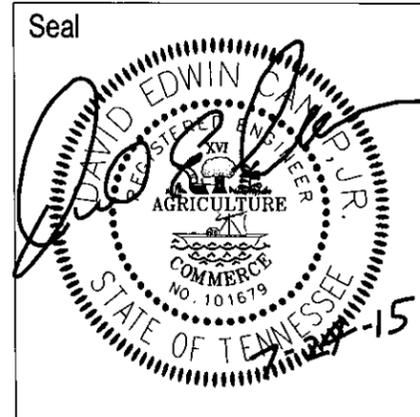
1. THIS CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, ETC. REQUIRED FOR A COMPLETE SYSTEM OF ELECTRICAL CONDUIT, WIRING, EQUIPMENT, AND SUPPORTS AS DESIGNATED ON THE DRAWINGS, INCLUDING ALL NECESSARY PARTS, ACCESSORIES, ETC. REQUIRED BY STATE OR LOCAL CODES OR TO SATISFACTORILY COMPLETE THE INSTALLATION.
2. ALL WORK SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF A LICENSED ELECTRICIAN AND SHALL BE IN ACCORDANCE WITH THE 2008 NATIONAL ELECTRIC CODE WITH LOCAL AMENDMENTS.
3. ELECTRICAL CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL PERMITS REQUIRED FOR HIS PORTION OF THE WORK.
4. ALL MATERIALS USED SHALL BE NEW IN QUALITY, AND SHALL BE PROTECTED FROM WEATHER AND DAMAGE BEFORE INSTALLATION.
5. GALVANIZED RIGID STEEL SHALL BE USED WHERE CONDUITS ARE RUN EXPOSED INSIDE THE BUILDINGS ALL RIGID CONDUIT COUPLINGS, FITTINGS AND CONNECTORS SHALL BE THREADED TYPE.
6. CONDUIT FOR UNDERGROUND INSTALLATION SHALL BE GALVANIZED RIDIG STEEL OR SCHEDULE 40 PVC.
7. MINIMUM CONDUIT SIZE SHALL BE 1/2" TRADE SIZE.
8. CONDUCTORS SHALL BE THHN/THWN COPPER. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. CONDUCTORS #10 AWG AND SMALLER MAY BE SOLID OR STRANDED.
9. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG FOR POWER, AND #14 AWG FOR CONTROL WIRING.
10. SUPPORTS FOR ELECTRICAL SYSTEMS AND EQUIPMENT SHALL BE MATERIALS SPECIFICALLY DESIGNED FOR THE PURPOSE. PROVIDE CONDUIT STRAPS, THREADED ROD, UNISTRUT CHANNEL, CONCRETE ANCHORS, TOGGLE BOLTS, ETC. PROPERLY SIZED AND INSTALLED FOR A COMPLETE AND WORKMANLIKE SUPPORT SYSTEM INSTALLATION.
11. PROVIDE CONDUCTOR IDENTIFICATION ON ALL CONDUCTORS. CONDUCTORS #10 AWG AND SMALLER SHALL BE IDENTIFIED BY INSULATION COLOR, AND LARGER CONDUCTORS SHALL BE IDENTIFIED BY COLOR CODED PHASE TAPE. PROVIDE COLOR CODED CONDUCTOR IDENTIFICATION AS FOLLOWS:
 

	240Y/120 VOLT
PHASE A	BLACK
PHASE B	RED
NEUTRAL	WHITE
GROUND	GREEN
12. PROVIDE WATERPROOF SEAL AROUND CONDUIT AT ALL EXTERIOR WALL PENETRATIONS.
13. ELECTRICAL CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF ONE YEAR FROM SUBSTANTIAL COMPLETION OF THE PROJECT.



### NOTES:

1. DISCONNECT EXISTING PUMPS AND RECONNECT NEW PUMPS TO EXISTING CIRCUITS.



**ANUP**  
**ENGINEERING, INC.**  
 ELECTRICAL ENGINEERING CONSULTANTS  
7965 STAGG HILLS BLVD., SUITE 107 • HARTLETT, TN 38152  
 PHONE: (901) 978-9785 • FAX: (901) 978-9783

<p><b>FISHER ARNOLD</b> ENGINEERING INTEGRATION <small>9180 Crestwyn Hills Drive   Memphis, Tennessee 38125-8538 901.748.3811   Fax: 901.748.3715   www.fisherarnold.com</small></p>	<p><b>BOLTON ESTATES WASTE WATER SHELBY COUNTY BOLTON, TN</b></p>	DESIGN: DEC	DRAWN: GDW	SCALE: 1" = 20'	SHEET <b>E101</b>	
		DATE: JULY 2015		SITE PLAN		
		JOB #: A9105				