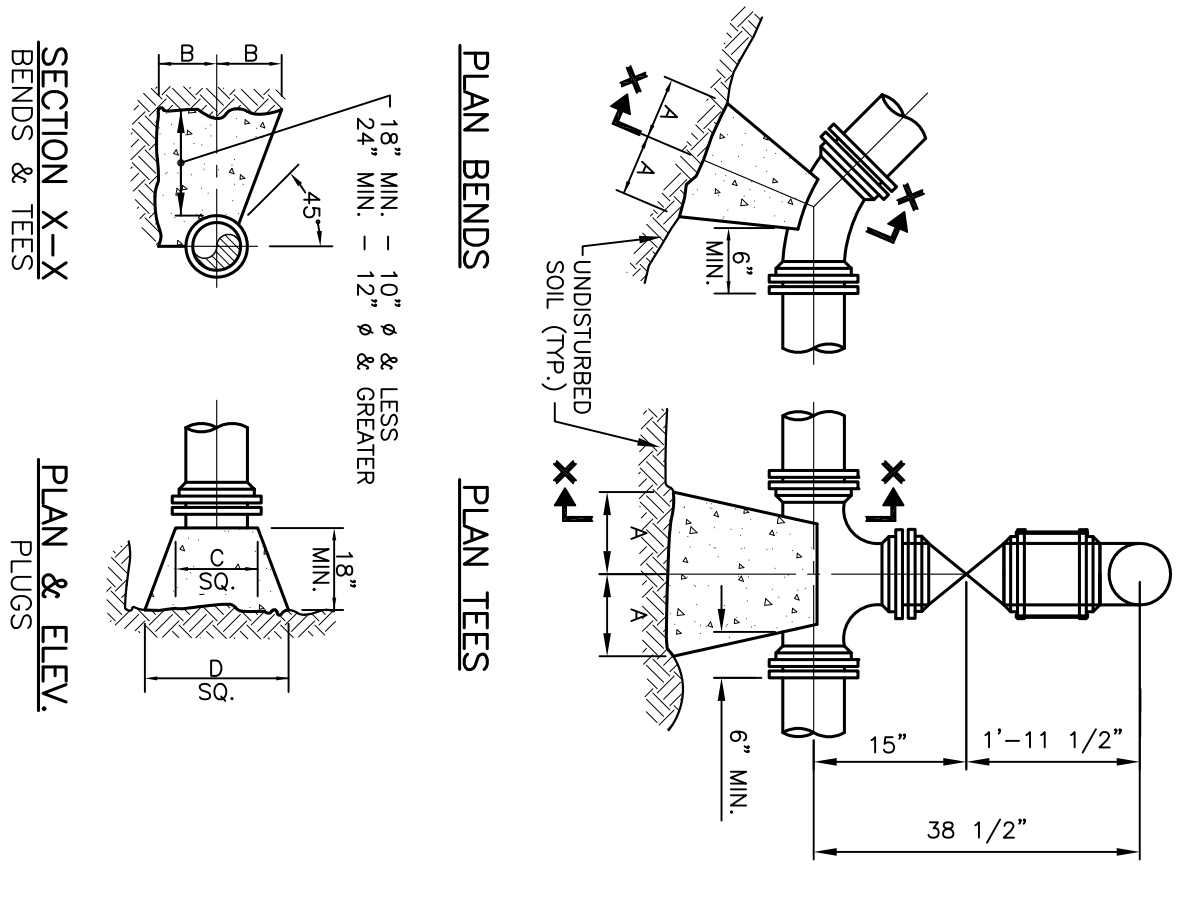


- NOTES:**
1. ULTRAVIOLET LIGHT PURIFIER MODEL BY E-Z SET COMPANY OR APPROVED EQUAL UNIT AND HEAT TAPE.
  2. FIELD ROUTE 2-413 1-#102 AN 3/4" PVC CONDUIT TO 20 VOLT SINGLE PHASE 20 AMP BREAKER AT HOUSE.
  3. ORIENTATION PER SITE REQUIREMENTS.
  4. PROVIDE TWO UNITS IN SERIES.
  5. EACH UNIT SHALL BE RATED FOR A MIN. OF 30 GPM.

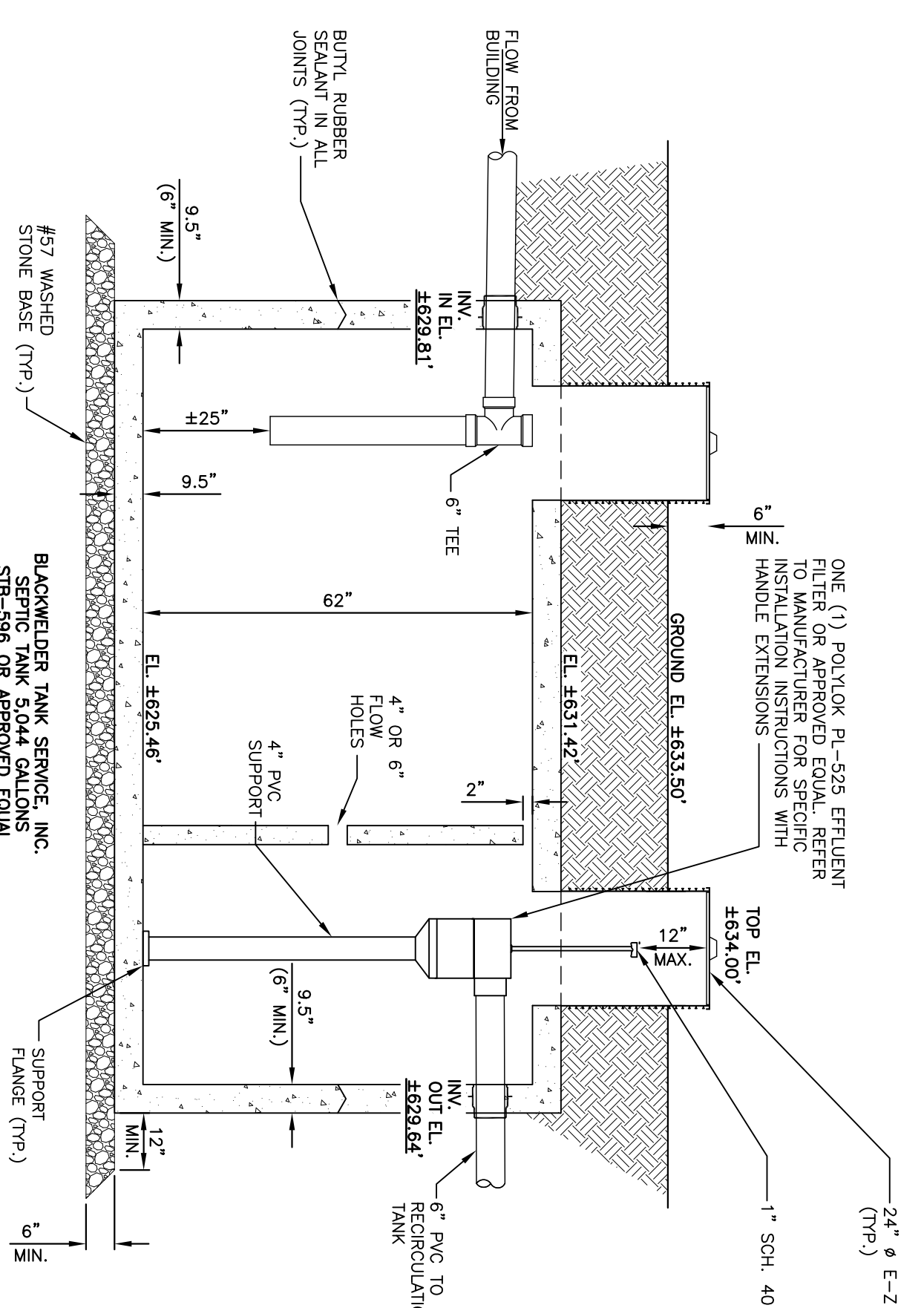
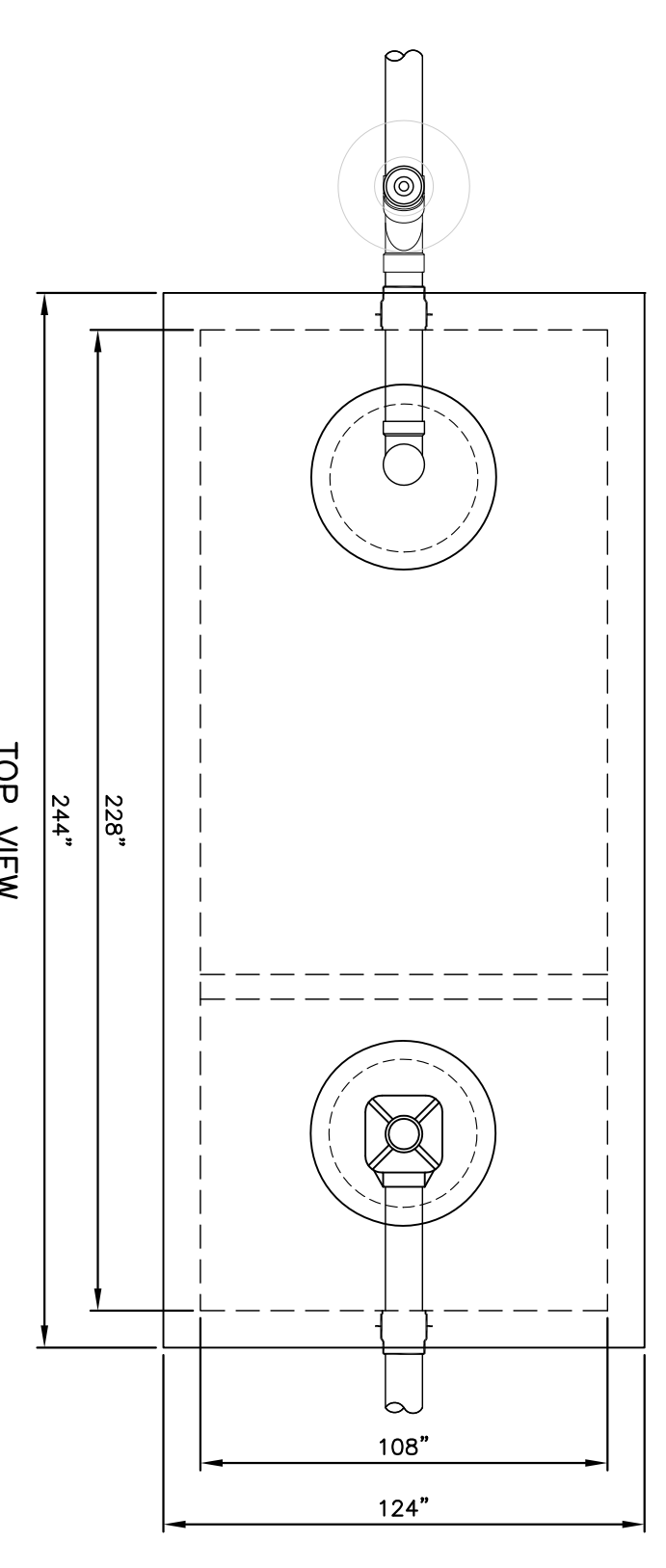
**1 UV DISINFECTION**  
D-103 NTS

PIPE SIZE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	TEE	PLUG
8"	12"	8"	6"	6"	8"	16"
10"	12"	8"	10"	8"	10"	18"
12"	15"	10"	10"	8"	12"	24"
14"	16"	12"	12"	10"	14"	25"
16"	20"	14"	14"	12"	16"	30"
18"	22"	16"	16"	14"	18"	34"
20"	26"	18"	18"	16"	20"	36"
24"	36"	24"	18"	15"	24"	48"
30"	48"	30"	21"	18"	28"	56"

- NOTES:**
1. CONCRETE SHALL BE 3,000 PSI MINIMUM.
  2. CONCRETE FOR THRUST BLOCKING SHALL BE KEPT PAST DRY, THUS MAKING THE CONCRETE UNDISTURBED SOIL.
  3. NO CONCRETE SHALL COVER ANY BOLTS OR GLANDS.
  4. ALL FITTING AND ACCESSORIES TO BE WRAPPED WITH 10 MIL POLYETHYLENE PRIOR TO POURING BLOCKING.
  5. VOLUME OF THRUST BLOCKING SHALL BE AS SHOWN ON THE THRUST BLOCKING SCHEDULE.

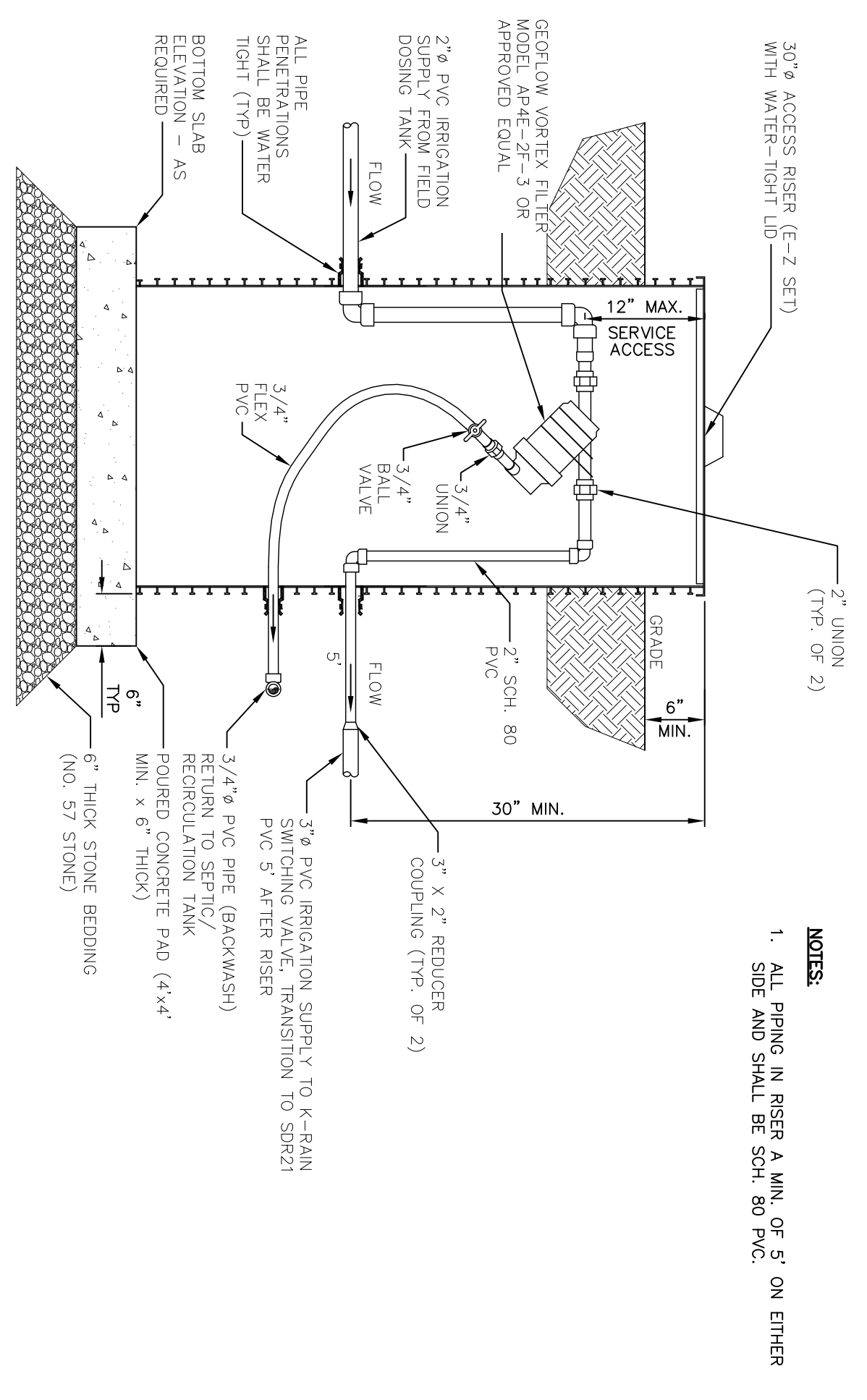


**3 THRUST BLOCKING DETAILS**  
D-103 NTS



- NOTES:**
1. CONCRETE SHALL HAVE A MINIMUM 4,000 PSI AT 28 DAYS. CONCRETE SHALL BE WATERPROOFED COATING SYSTEM.
  2. CONCRETE OPENINGS SHALL BE PRECAST AND EFLUENT PIPES.
  3. EXCAVATE AREA FOR SEPTIC TANKS TO FIRM EARTH. LEVEL ON STONE. TANKS SHALL BE CAREFULLY BACKFILLED TO MAXIMUM 95% FROM ACCESS RISERS.
  4. FIELD VERIFY ACCESS RISERS BEFORE ORDERING.

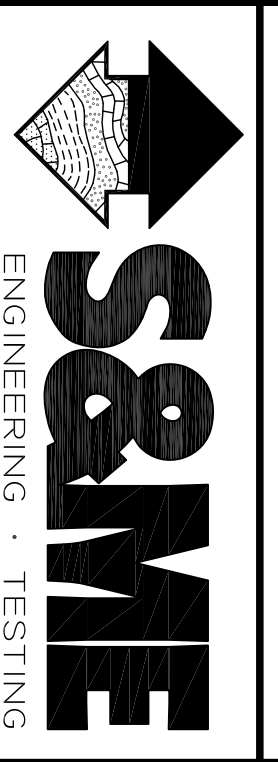
**2 SEPTIC TANK DETAIL**  
D-103 NTS



- NOTES:**
1. ALL PIPING IN RISER A MIN. OF 5' ON EITHER SIDE AND SHALL BE SCH. 80 PVC.

**4 FIELD DOSE SPIN FILTER**  
D-103 NTS

- NOTES**
1. SEE C-101 AND D-102 FOR ALL GENERAL NOTES.



9751 SOUTHERN PINE BOUL EVARD  
CHARLOTTE, NORTH CAROLINA 28273  
704-523-4726

NO.	DATE	DESCRIPTION
1	09/30/08	PER DWG

REVISIONS

PROJECT MANAGER:	ZLF
DRAWN BY:	GSM
ALP	CHECKED BY:
	GSM
DATE:	JULY 31, 2008

**MacCONNELL & Associates, P. C.**  
909 AVIATION PARKWAY, SUITE 1400  
F. O. BOX 728  
MORRISVILLE, NORTH CAROLINA 27560  
TEL: (919) 467-1239 FAX: (919) 319-4570

**UNION COUNTY PUBLIC SCHOOLS TRANSPORTATION CENTER**

**WASTEWATER TREATMENT & IRRIGATION SYSTEM**

**UNION COUNTY, NC**

PROJECT NUMBER	A24004.00	DRAWING NUMBER	D-103
<b>DETAILS - 3 of 8</b>			