

ABBREVIATIONS

ABV ABOVE
AFG ABOVE FINISH GRADE
BFF ABOVE FINISH FLOOR
BF BLIND FLANGE
BLW BELOW
CLG CEILING
CO CLEANOUT
CW COLD WATER
DN DOWN
FD FLOOR DRAIN
RD ROOF DRAIN
FE FIRE EXTINGUISHER
FL FLOOR
GV GATE VALVE
HW HOT WATER
HB HOSE BIBB
VTR VENT THROUGH ROOF
W SANITARY WASTE

PLUMBING LEGEND

WASTEWATER PIPE
COLD WATER PIPE
HOT WATER PIPE
SANITARY VENT STACK
SANITARY WASTE CONNECTION
CLEANOUT
COLD WATER CONNECTION
HOT WATER CONNECTION
FLOOR DRAIN
WALL HYDRANT
BALL VALVE

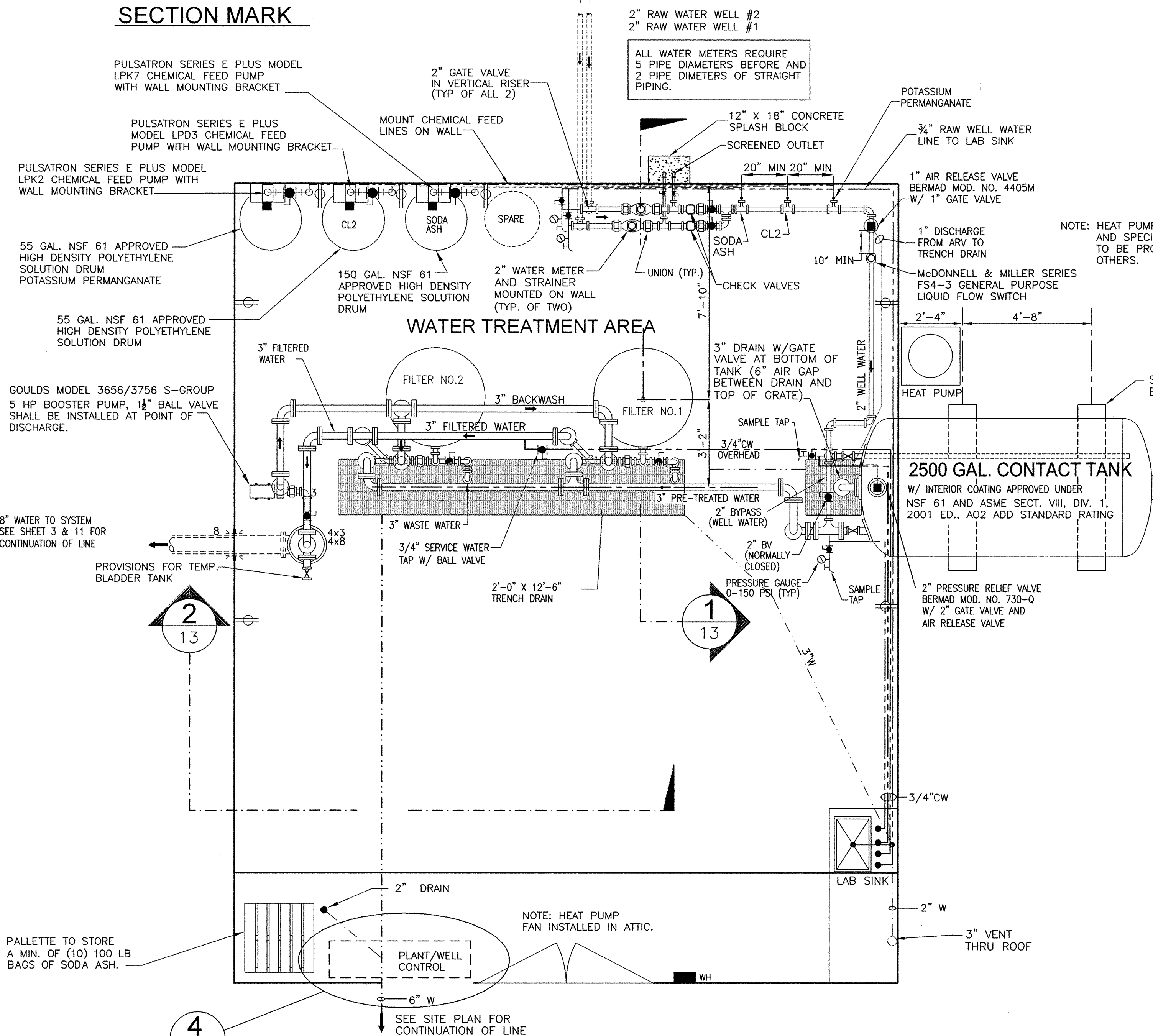
ELECTRICAL SCHEDULE

| ITEM | REQUIREMENTS |
|--------------------------------------|--|
| WATER TREATMENT AREA - LIGHTS | 4 FLUORESCENT LIGHT UNITS W/ TWO - 40W, 120V Ø 48-INCHES, EACH |
| WATER TREATMENT AREA - EXHAUSTER FAN | SIDEWALL EXHAUSTER FAN DIRECT DRIVE 2105 CFM Ø .125 S.P. , 1/4 HP 120 VOLTS SINGLE PHASE MOTORIZED LOUVER TO PROVIDE 4.21 SQ.FT. FREE AREA |
| ELECTRICAL RECEPTACLES | 3 DESIGNATED FOR CHEMICAL FEEDERS (120V - GFCI) 5 WALL RECEPTACLES (120V - GFCI) |

NUMBER INDICATES
SECTION OR DETAIL

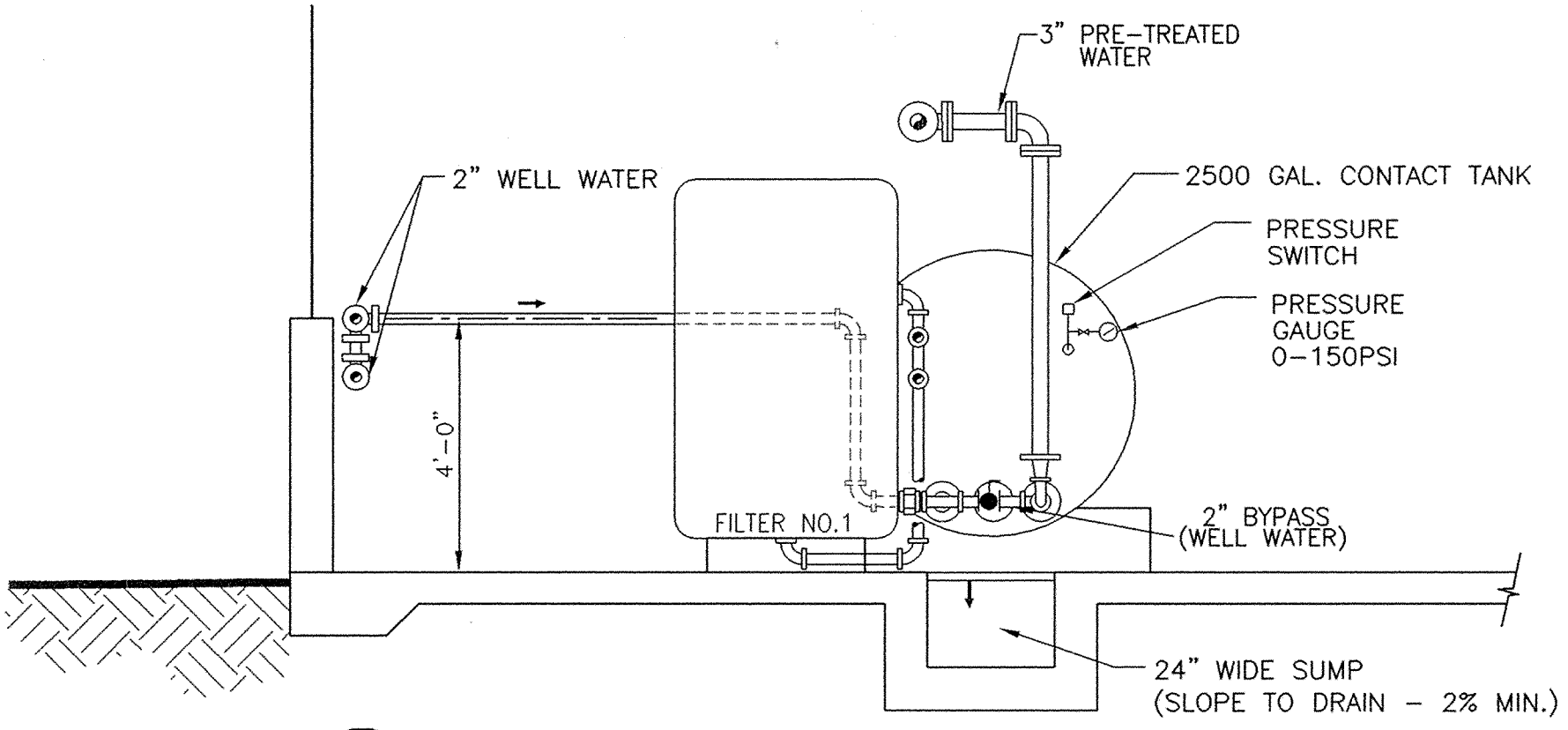
SHEET WHERE
SECTION IS TAKEN

SECTION MARK



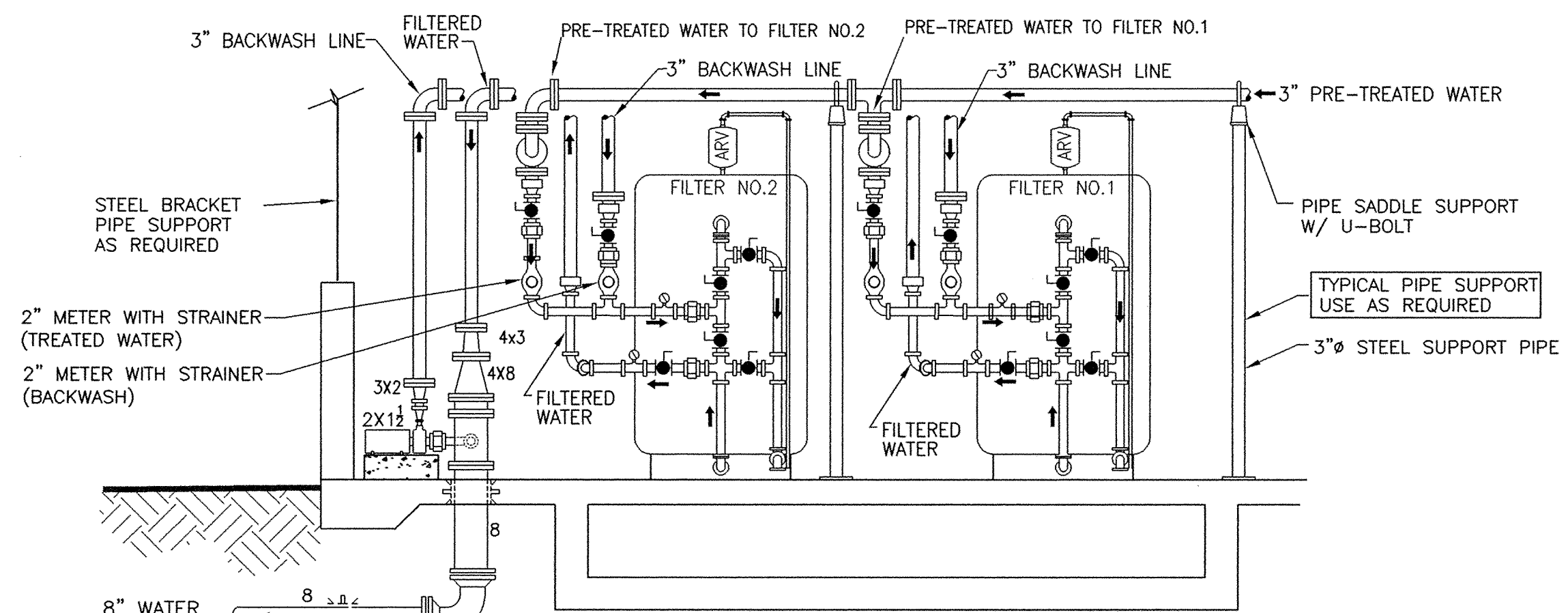
FLOOR PLAN

SCALE 3/8"=1'-0"



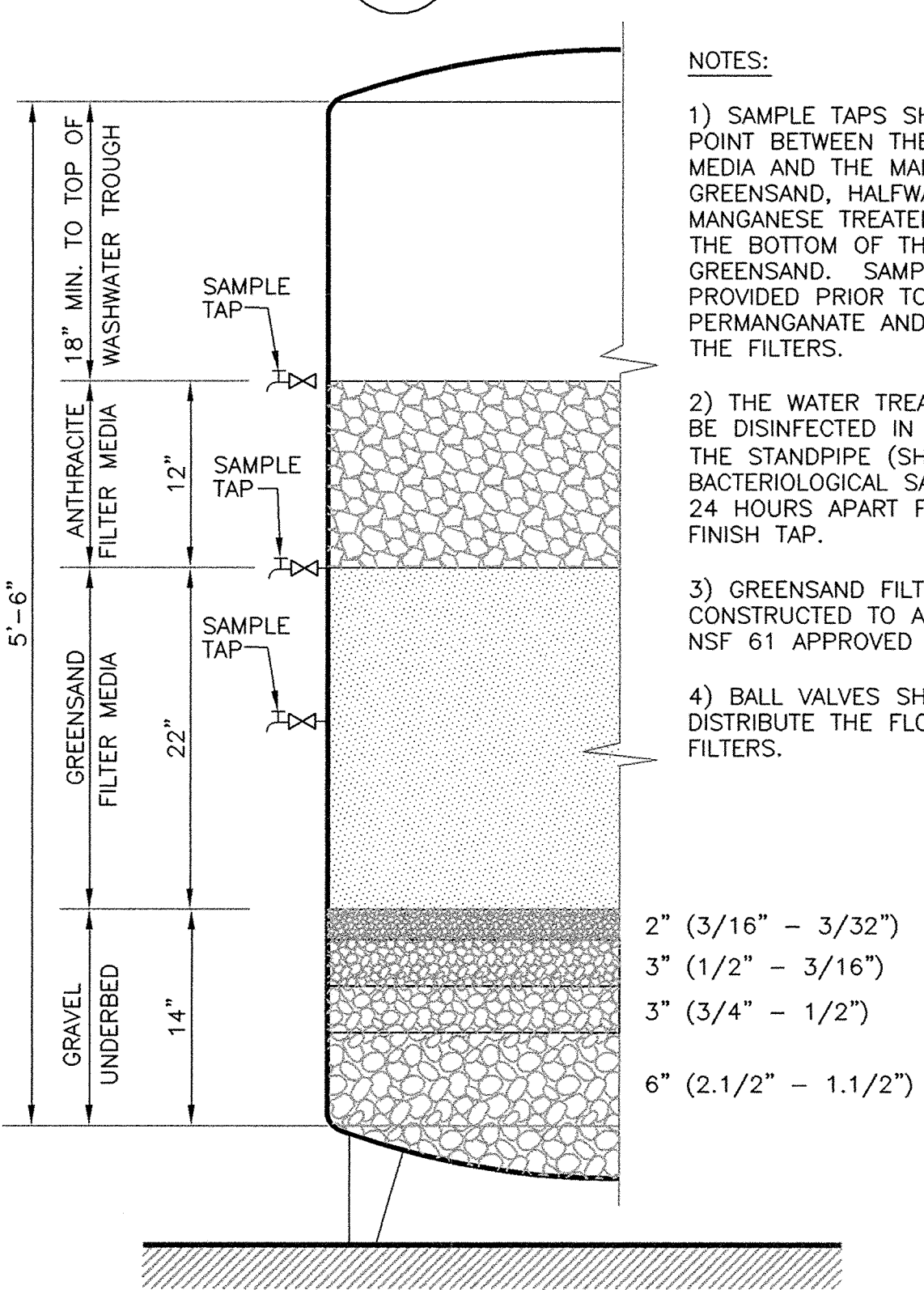
SECTION 1

SCALE 3/8"=1'-0"



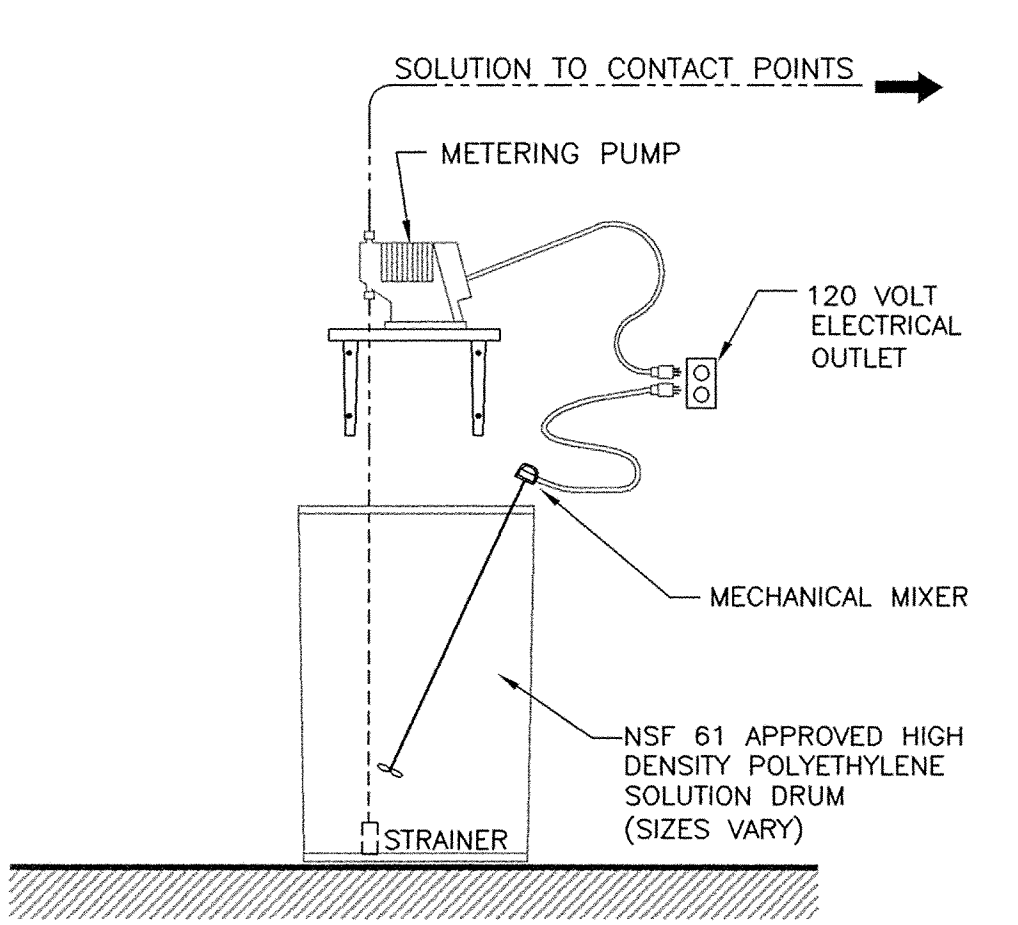
SECTION 2

SCALE 3/8"=1'-0"



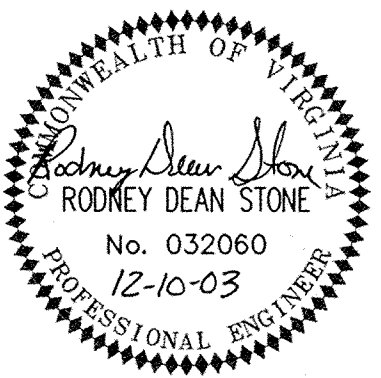
TYPICAL FILTER SECTION

- NOTES:
- 1) SAMPLE TAPS SHALL BE ADDED AT A POINT BETWEEN THE ANTHRACITE COAL MEDIA AND THE MANGANESE TREATED GREENSAND, HALF WAY DOWN THE MANGANESE TREATED GREENSAND, AND AT THE BOTTOM OF THE MANGANESE TREATED GREENSAND. SAMPLE TAPS SHALL ALSO BE PROVIDED PRIOR TO APPLICATION OF PERMANGANATE AND IMMEDIATELY AHEAD OF THE FILTERS.
 - 2) THE WATER TREATMENT BUILDING SHALL BE DISINFECTED IN THE SAME MANNER AS THE STANDPIPE (SHEET 11, NOTE 7-9). BACTERIOLOGICAL SAMPLES SHALL BE TAKEN 24 HOURS APART FOR EACH FILTER AND FINISH TAP.
 - 3) GREENSAND FILTERS SHALL BE CONSTRUCTED TO ASME STANDARDS WITH NSF 61 APPROVED INTERIOR COATING.
 - 4) BALL VALVES SHALL BE USED TO EVENLY DISTRIBUTE THE FLOW THROUGH THE FILTERS.



CHEMICAL FEED SYSTEM

NOT TO SCALE



WATER TREATMENT PLANT
EQUIPMENT LAYOUT
COMPASS COVE
WATER DISTRIBUTION SYSTEM
DEVELOPED BY: WINDSTAR PROPERTIES, L.L.C.
GILLS CREEK MAGISTERIAL DISTRICT
FRANKLIN COUNTY, VIRGINIA
JULY 15, 2003
REVISED: DECEMBER 10, 2003
SHEET 13 OF 15