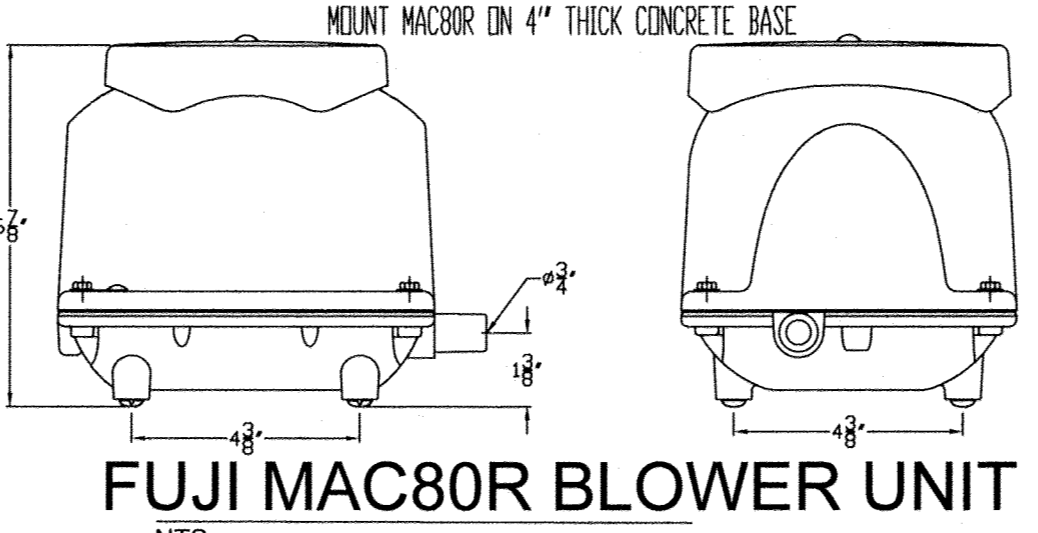
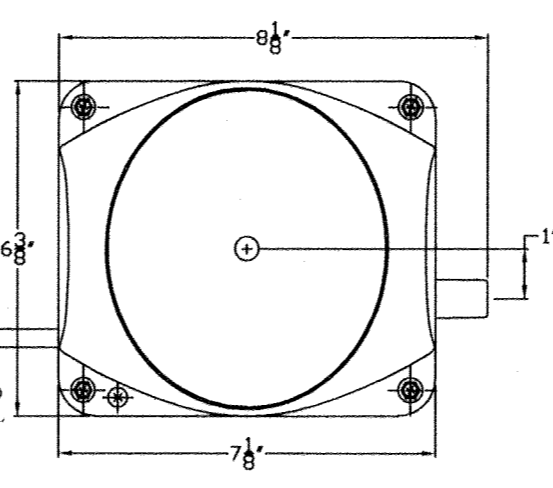
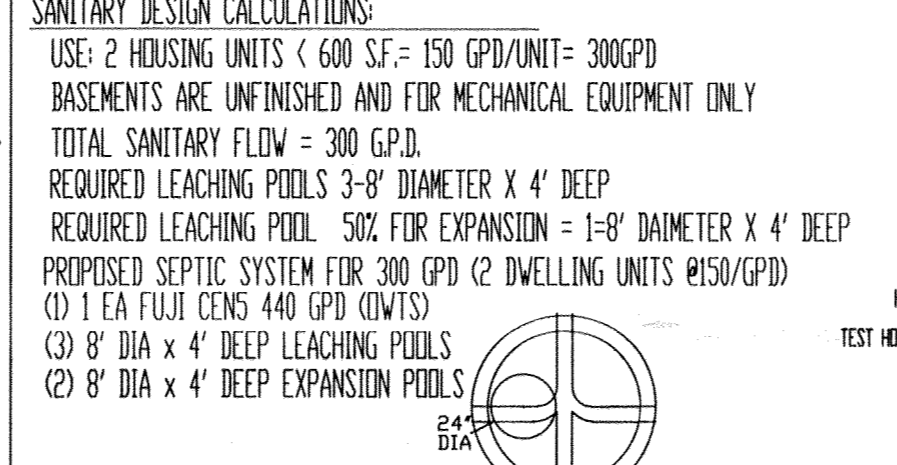


SANITARY INVERTS
NTS

- SANITARY NOTES**
1. THE DWTS INSTALLER SHALL HOLD AN ENDORSEMENT FROM THE SUFFOLK COUNTY DEPARTMENT OF HEALTH.
 2. AN EXECUTED OPERATION AND MAINTENANCE CONTRACT BETWEEN THE MAINTENANCE PROVIDER AND THE SHALL BE PROVIDED TO THE SCDS.
 3. PROVIDE A 2.5" VENT PIPE FROM THE DWTS TO THE DWELLING AND CONNECT TO THE SANITARY VENTING WITHIN THE HOUSE. THE VENT PIPE SHALL BE PITCHED TOWARD THE DWTS SO ANY LIQUID WILL DRAIN TOWARD THE DWTS.
 4. ALL SANITARY COMPONENTS TO BE 10' FROM WATER LINES AND 5' FROM UTILITIES.
 5. FUJI CENS INSTALLED IN A NON TRAFFIC AREA.



SITE INFORMATION:
ADDRESS: 415 WEST LAKE DRIVE, MONTAUK, N.Y.
SC1M# 300-11-5-25
SITE PLAN BASED ON SURVEY FROM HANDS ON SURVEYING, DATED 11/8/2018
SITE AREA 18,205 SF. OR 0.418 ACRES
ALL ELEVATION REFERENCED TO NAVD '88 DATUM
NO SURFACE WATER WITHIN 300' OF SITE
NO WELLS WITHIN 150' FROM ALL PROPERTY LINES
SEWAGE DISPOSAL SYSTEM CALCULATIONS:
ALLOWABLE DENSITY:
GROUNDWATER MANAGEMENT ZONE: IV
ALLOWABLE SANITARY FLOW FOR SITE: 0.418 AC. x 600 GP/IN/AC. = 250.8 GP/D.
EXISTING FLOW-1 SINGLE FAMILY DWELLING- 300GP/D.
LOT APPEARS AS SEPERATE AND SINGLE ON 1981 SC1M-300 GPD ALLOWED
SANITARY DESIGN CALCULATIONS:
USE: 2 HOUSING UNITS < 600 SF. = 150 GPD/UNIT = 300GP/D
BASEMENTS ARE UNFINISHED AND FOR MECHANICAL EQUIPMENT ONLY
TOTAL SANITARY FLOW = 300 GP/D.
REQUIRED LEACHING POOLS 3'-8" DIAMETER X 4' DEEP
REQUIRED LEACHING POOL 50% FOR EXPANSION = 1'-8" DIAMETER X 4' DEEP
PROPOSED SEPTIC SYSTEM FOR 300 GPD (2 DWELLING UNITS 150GPD)
(1) 8" DIA X 4' DEEP LEACHING POOLS
(2) 8" DIA X 4' DEEP EXPANSION POOLS



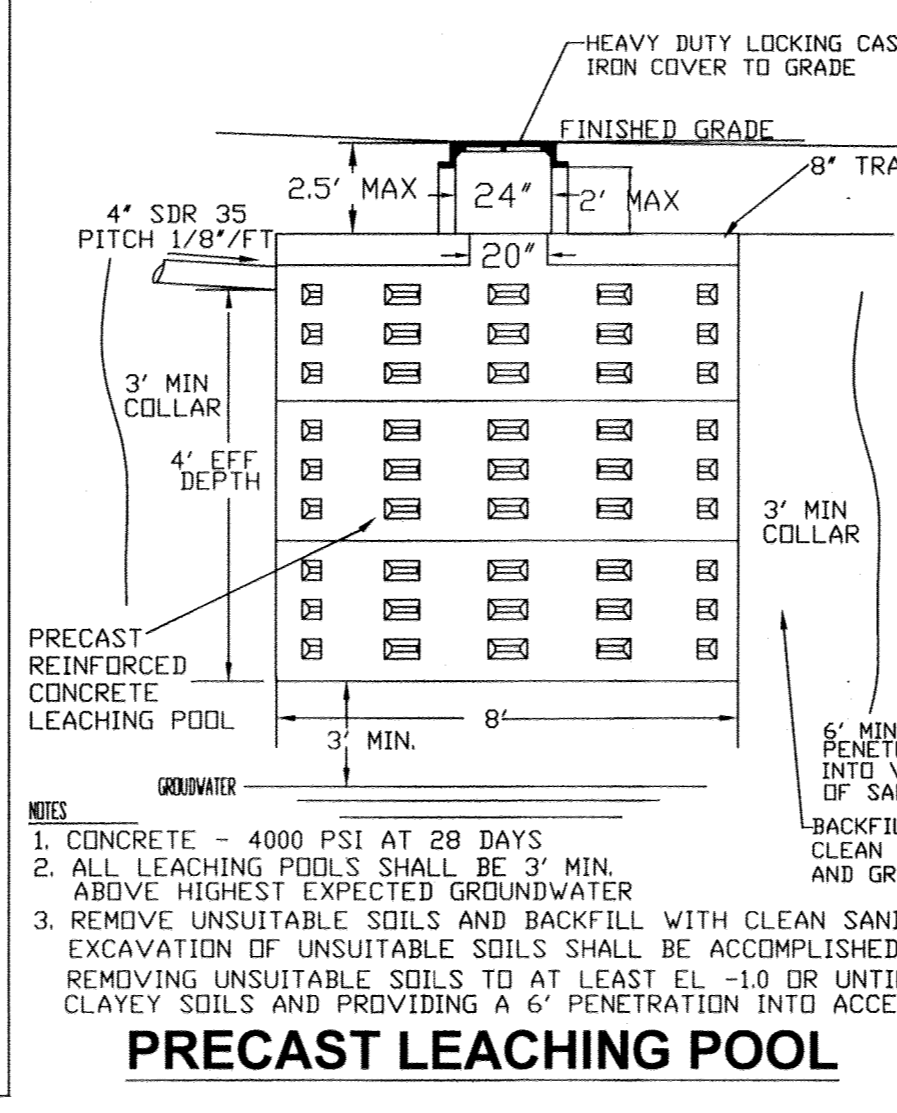
ADJUSTABLE LOCKING TYPE F
CAST IRON FRAME AND COVER TO BE WATER TIGHT & INSECT PROOF.

STEPS ARE TO BE COPOLYMER POLYPROPYLENE COATED
1" BUTYL RUBBER FOR ALL JOINTS
4" STEEL BARS @ 12" O.C.
MIS

CONCRETE INVERT FORMED TO AT LEAST 3/4 OF THE DIAMETER OF THE PIPE

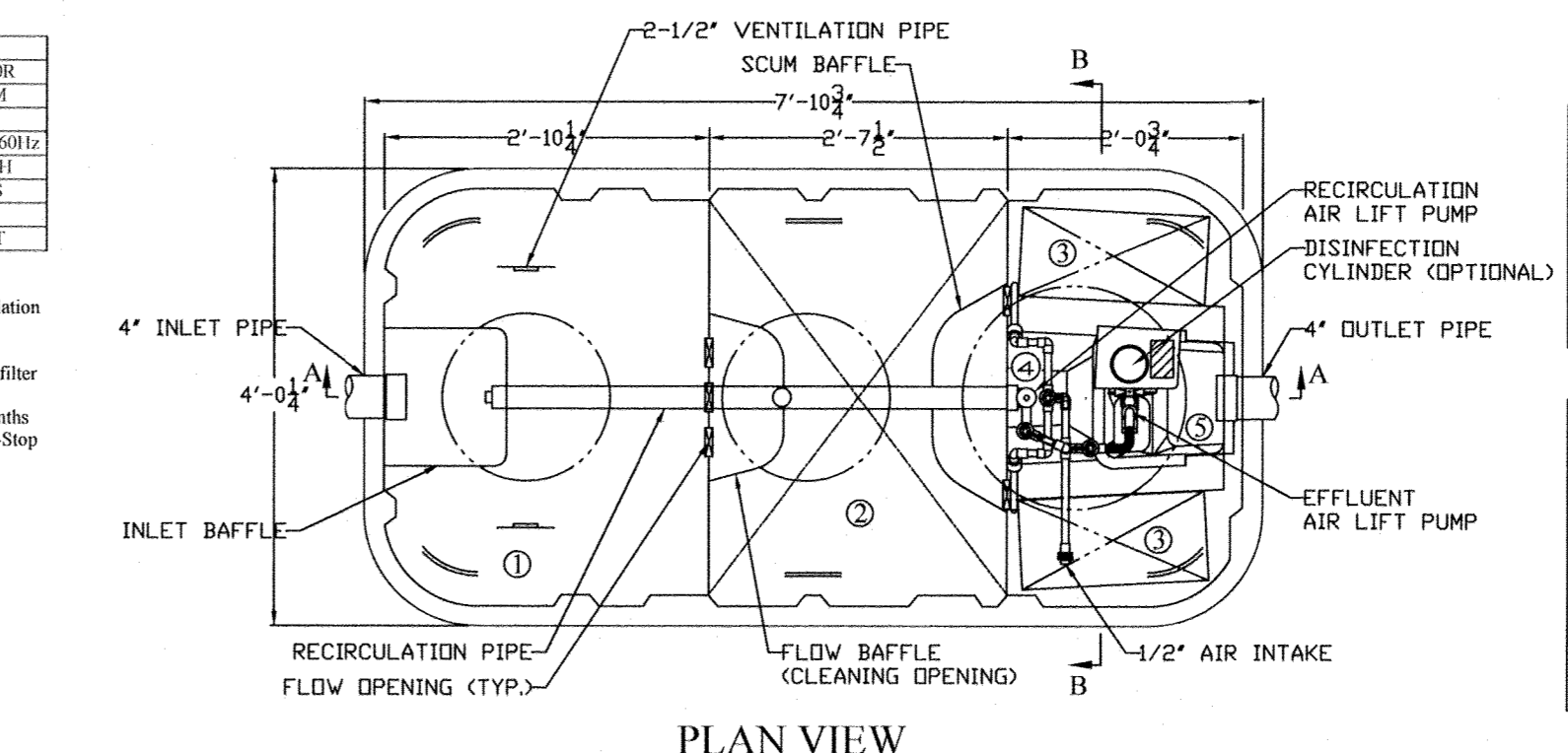
JOINT SEALANT TO BE POLYPROPYLENE COATED
1" BUTYL RUBBER FOR ALL JOINTS
PROVIDE NON-SHRINKING MAST JOINT SEALANT
CAST IN PLACE FLEXIBLE RUBBER SLEEVE WITH STAINLESS STEEL STRAPS OR FLEXIBLE RUBBER BOOT

1. ALL MANHOLE SECTIONS SHALL CONFORM TO ASTM C-478 LATEST REV. STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MH. SECTIONS
2. MANHOLE RISER SECTIONS TO BE FURNISHED IN 1,2,3 OR 4' HEIGHTS AS REQUIRED
3. LEADING TO CONFORM TO AASHTO H-20 LOADING
4. CONCRETE - 4000 PSI AT 28 DAYS
5. ALL OUTLETS ARE TO BE SET AT THE SAME ELEVATION, 0.1' MIN BELOW INLETS
6. MANHOLE TO BE MODIFIED FOR 45 DEGREE BEND AS NECESSARY



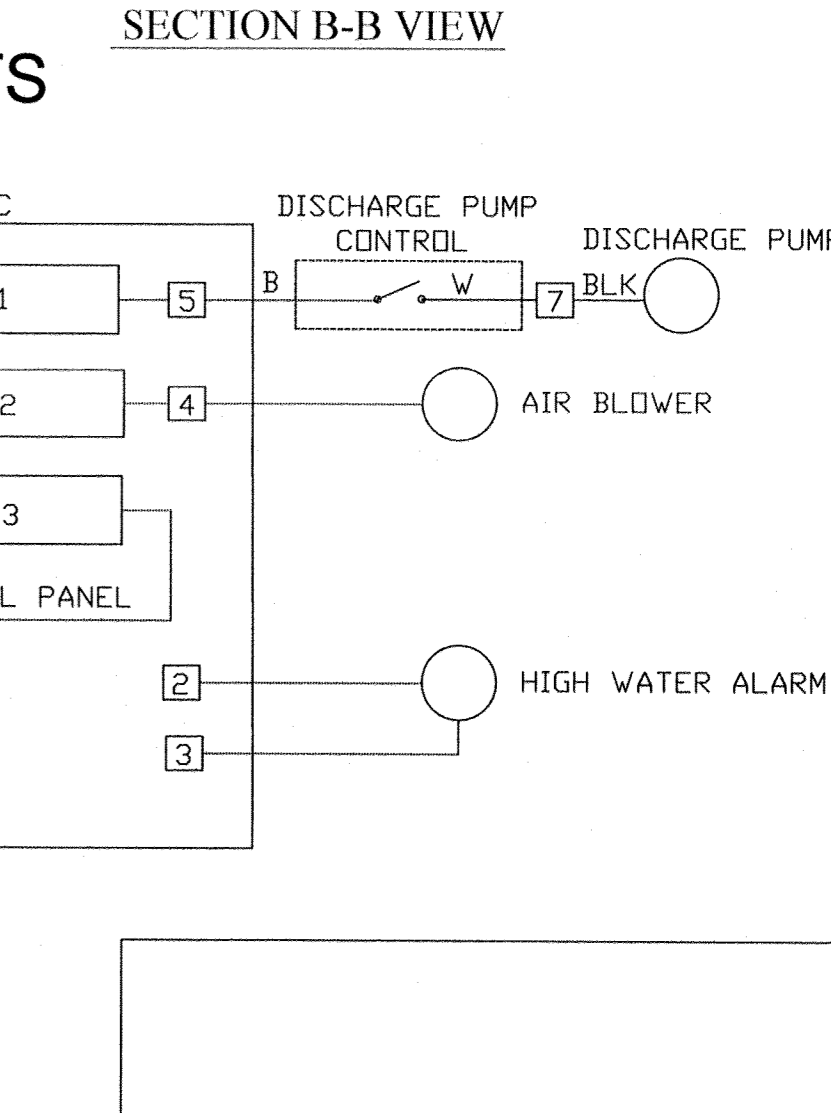
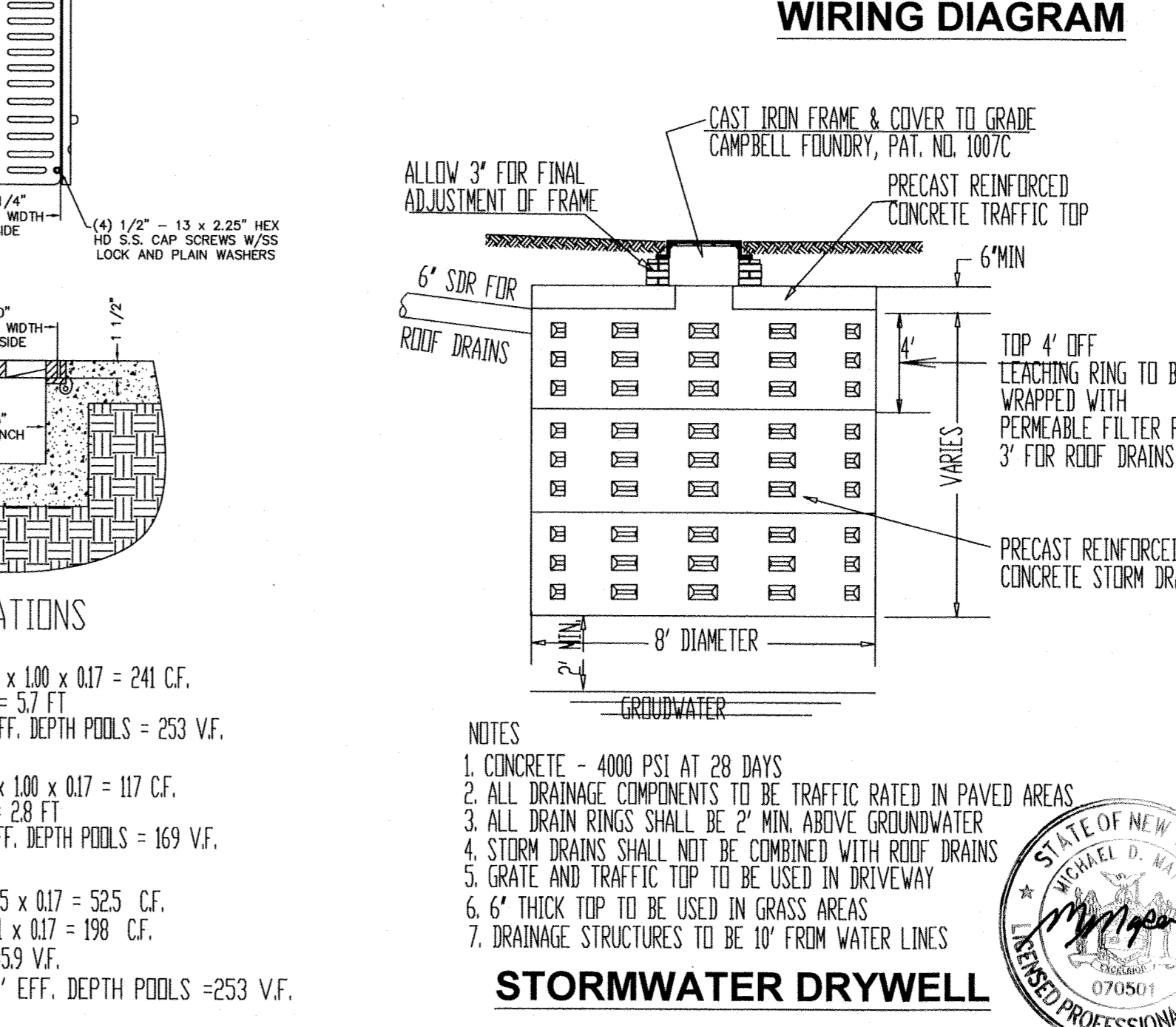
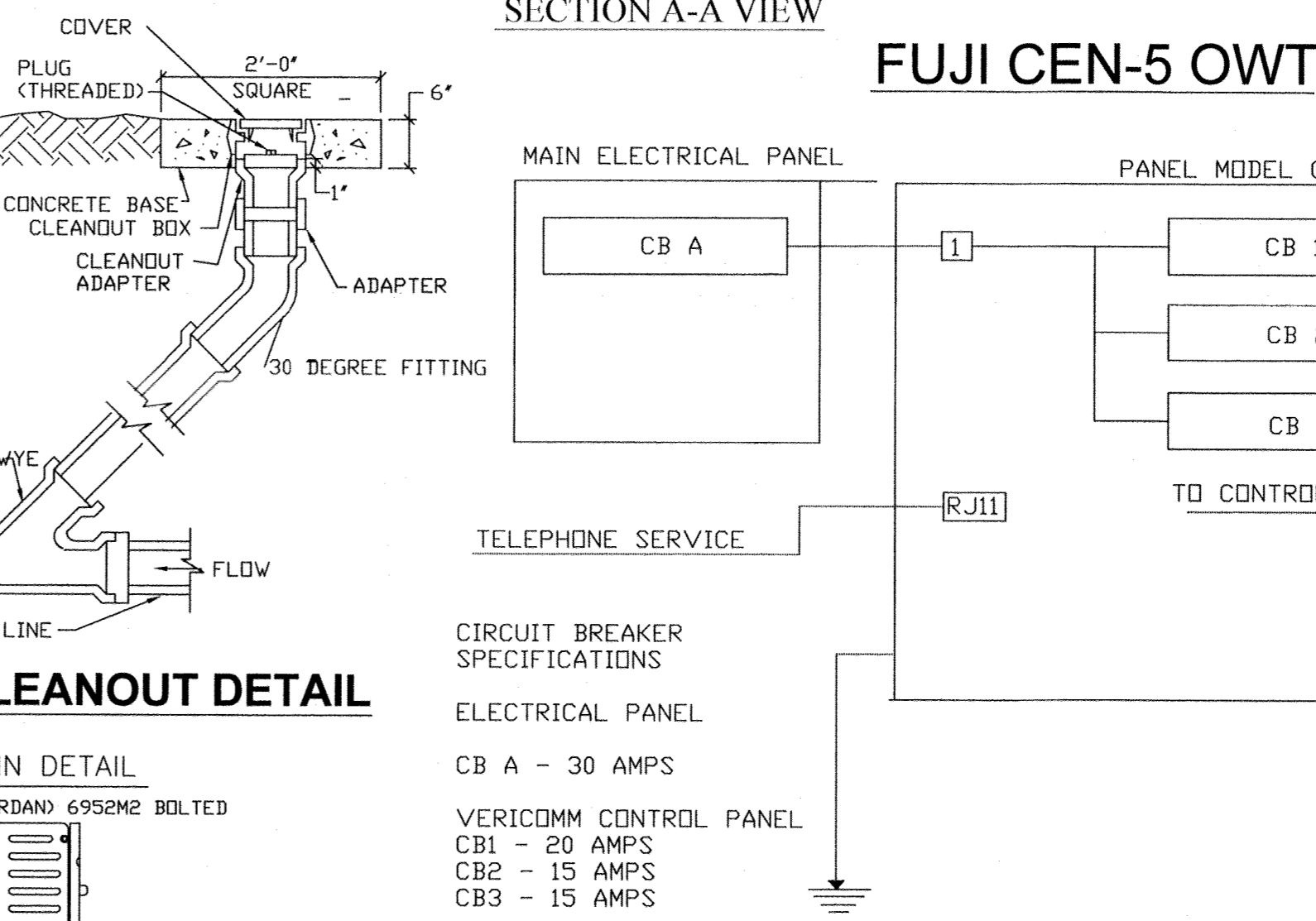
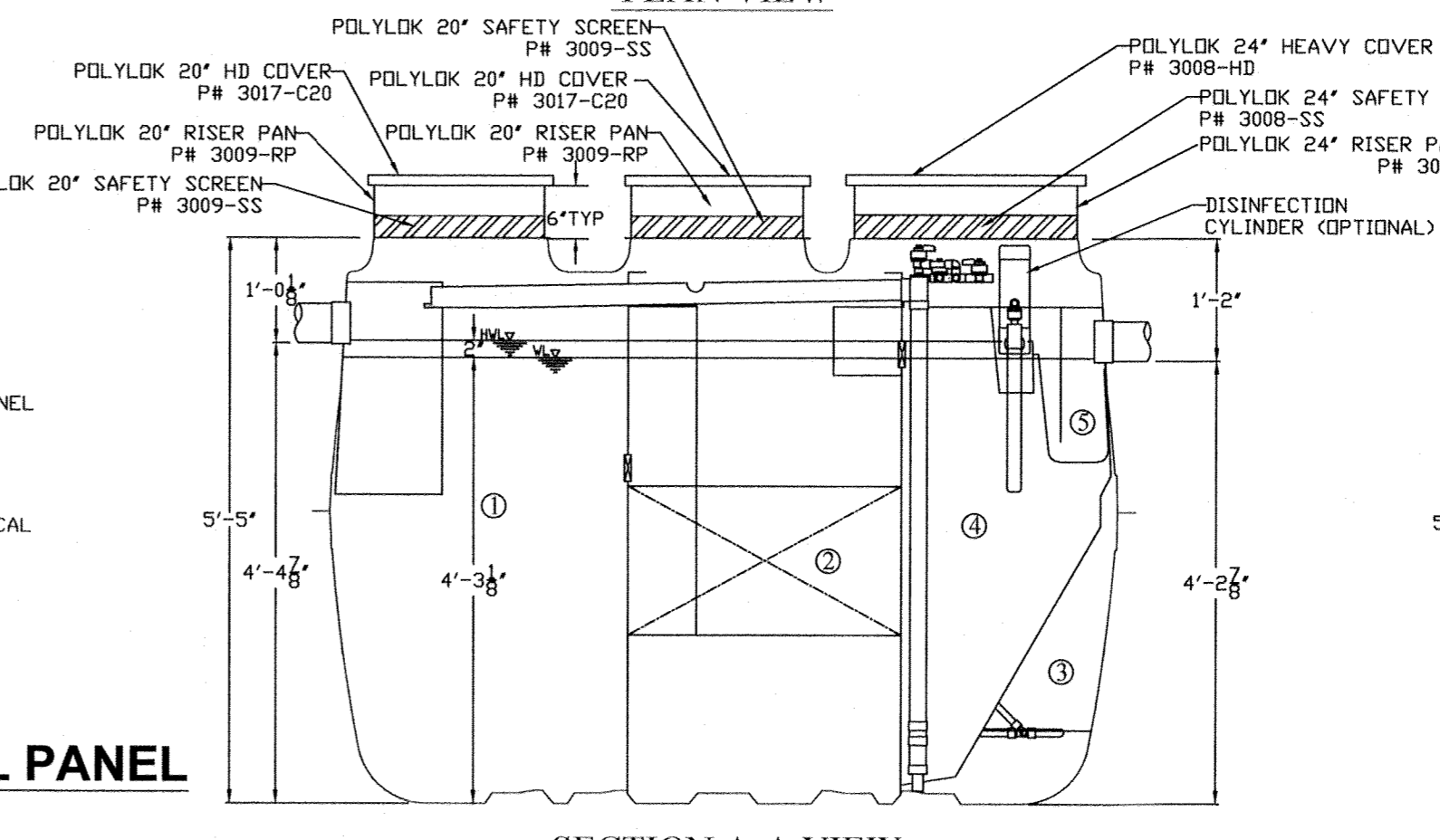
LEGEND

- LP- PRECAST LEACHING POOL
- ELP- EXPANSION LEACHING POOL
- C/O - CLEANOUT
- CENS - FUJI CENS 440GPD DWTS
- WV- WATER SHUTOFF VALVE
- MH- MANHOLE
- EXISTING CONTOUR
- - - PROPOSED CONTOUR
- - - WATER SERVICE
- - - ELECTRIC SERVICE



CHAMBER		Volume (gal)
① Sedimentation Chamber		277
② Anaerobic Filtration Chamber		278
③ Aerobic Contact Filtration Chamber		127
④ Storage Chamber		63
⑤ Disinfection Chamber		4
Total Volume		749

SPECIFICATIONS			
Anaerobic Media	PP / PE	Filling Rate	32%
Board Type Aerobic Media	PVC / PP / PE	Filling Rate	16%
Aerobic Media	PP / PE	Filling Rate	57%
Blower		2.8 cfm	
Tank		FRP	
Piping		PVC / PP / PE	
Access Covers		Plastic / Cast Iron	
Disinfectant (Optional)		Chlorine Tablets	



NOTES

1. CONCRETE - 4000 PSI AT 28 DAYS
2. ALL DRAINAGE COMPONENTS TO BE TRAFFIC RATED IN PAVED AREAS
3. ALL DRAIN RINGS SHALL BE 2" MIN. ABOVE GROUNDWATER
4. STORM DRAINS SHALL NOT BE COMBINED WITH ROOF DRAINS
5. GRATE AND TRAFFIC TOP TO BE USED IN DRIVEWAY
6. 6" THICK TOP TO BE USED IN GRASS AREAS
7. DRAINAGE STRUCTURES TO BE 10' FROM WATER LINES

RECEIVED
MAY 10 2019
PLANNING BOARD

SCDHS APPROVAL
Michael Mapes, P.E.
163 PENINSULA PATH
RIVERHEAD, N.Y 11901
PHONE 631-369-2170

415 WEST LAKE DRIVE
PROPOSED SANITARY PLAN

DATE 4-26-2019 SCALE 1"=20' SHEET 1 OF 1