

HOMEOWNER: IF THE HOMEOWNER HAS A WATER SOFTENING SYSTEM AND ITS BACKWASH WATER IS DISCHARGED TO THE EXISTING SEPTIC SYSTEM, THE HOMEOWNER MUST DISCONNECT IT FROM THE PROPOSED SEWER SYSTEM AND DISPOSE OF THE BACKWASH WATER IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS.

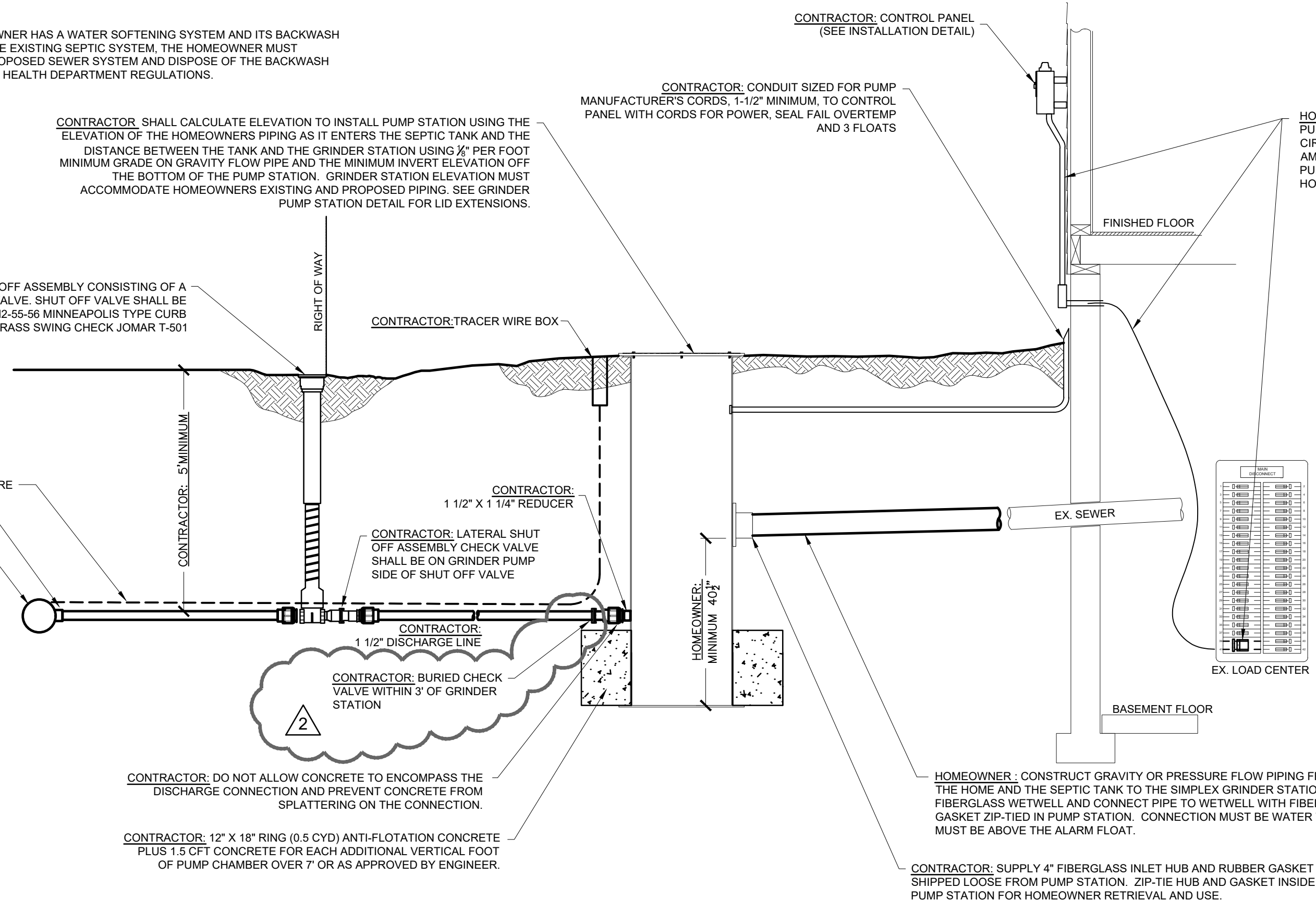
CONTRACTOR SHALL CALCULATE ELEVATION TO INSTALL PUMP STATION USING THE ELEVATION OF THE HOMEOWNERS PIPING AS IT ENTERS THE SEPTIC TANK AND THE DISTANCE BETWEEN THE TANK AND THE GRINDER STATION USING 1/2" PER FOOT MINIMUM GRADE ON GRAVITY FLOW PIPE AND THE MINIMUM INVERT ELEVATION OFF THE BOTTOM OF THE PUMP STATION. GRINDER STATION ELEVATION MUST ACCOMMODATE HOMEOWNERS EXISTING AND PROPOSED PIPING. SEE GRINDER PUMP STATION DETAIL FOR LID EXTENSIONS.

CONTRACTOR: CONSTRUCT LATERAL SHUT OFF ASSEMBLY CONSISTING OF A BURIED SHUT OFF VALVE AND CHECK VALVE. SHUT OFF VALVE SHALL BE BRASS CURB STOP F22 WITH FORD EM2-55-56 MINNEAPOLIS TYPE CURB BOX. CHECK VALVE SHALL BE BRASS SWING CHECK JOMAR 1-501

CONTRACTOR: CONDUIT SIZED FOR PUMP MANUFACTURER'S CORDS. 1-1/2" MINIMUM. TO CONTROL PANEL WITH CORDS FOR POWER, SEAL FAIL, OVERTEMP AND 3 FLOATS

HOMEOWNER SHALL PROVIDE TWO BRANCH CIRCUITS FROM THEIR LOAD CENTER FOR PUMP CONTROL PANEL POWER. CIRCUIT 1 SHALL BE A 30 AMP, 240 VAC, TWO POLE CIRCUIT BREAK WITH 2 #8, AND 1 #8 GND FOR PUMP POWER. CIRCUIT 2 SHALL BE A 15 AMP, 120 VAC, ONE POLE CIRCUIT BREAKER WITH 2 #12 AND 1 #12 GROUND FOR THE PUMP CONTROL CIRCUIT. IF SPACE IS NOT AVAILABLE IN THE LOAD CENTER, HOMEOWNER SHALL REPLACE OR EXPAND IT TO ACCOMMODATE THE ADDITIONAL LOAD.

CONTRACTOR: LATERAL CONNECTION
CONTRACTOR: FORCEMAIN
TRACER WIRE



CONTRACTOR: DO NOT ALLOW CONCRETE TO ENCOMPASS THE DISCHARGE CONNECTION AND PREVENT CONCRETE FROM SPLATTERING ON THE CONNECTION.
CONTRACTOR: 12" X 18" RING (0.5 CYD) ANTI-FLOTATION CONCRETE PLUS 1.5 CFT CONCRETE FOR EACH ADDITIONAL VERTICAL FOOT OF PUMP CHAMBER OVER 7' OR AS APPROVED BY ENGINEER.

HOMEOWNER: CONSTRUCT GRAVITY OR PRESSURE FLOW PIPING FROM A POINT BETWEEN THE HOME AND THE SEPTIC TANK TO THE SIMPLEX GRINDER STATION. CORE HOLE IN FIBERGLASS WETWELL AND CONNECT PIPE TO WETWELL WITH FIBERGLASS INLET HUB AND GASKET ZIP-TIED IN PUMP STATION. CONNECTION MUST BE WATER TIGHT. PIPE INVERT MUST BE ABOVE THE ALARM FLOAT.
CONTRACTOR: SUPPLY 4" FIBERGLASS INLET HUB AND RUBBER GASKET SHIPPED LOOSE FROM PUMP STATION. ZIP-TIE HUB AND GASKET INSIDE PUMP STATION FOR HOMEOWNER RETRIEVAL AND USE.

GENERIC PROPOSED SIMPLEX GRINDER STATION PROFILE
1/2" = 1'-0"

- WORK SHOWN ON THIS SHEET SHALL BE ACCOMPLISHED BY A COMBINATION OF THE TOWNSHIP'S CONTRACTOR AND THE HOMEOWNER'S CONTRACTOR. IN GENERAL, THE TOWNSHIP'S CONTRACTOR WILL INSTALL THE GRINDER STATION, ITS DISCHARGE PIPING WITH A CONNECTION TO THE SEWER MAIN, THE CONTROL PANEL AND THE WIRING BETWEEN THE CONTROL PANEL AND THE GRINDER STATION.
- THE HOMEOWNER WILL CONSTRUCT PIPING BETWEEN THE HOME AND THE GRINDER STATION, ABANDON THE SEPTIC SYSTEM, AND INSTALL WIRING FROM THE DISTRIBUTION PANEL TO THE CONTROL PANEL.
- HOMEOWNER AND CONTRACTOR ARE RESPONSIBLE FOR THEIR OWN PERMITS AND INSPECTIONS. DETAILS OF CONSTRUCTION RESPONSIBILITY ARE IDENTIFIED AND DIFFERENTIATED ON THIS SHEET BY THE TERMS CONTRACTOR AND HOMEOWNER.



CONTRACTOR SHALL CONFIRM LOCATION OF WATER WELLS. EVERY EFFORT SHALL BE MADE TO LOCATE GRINDER STATION AND DISCHARGE PIPE AT LEAST 50' FROM WATER WELLS INCLUDING THOSE ON NEIGHBORING PROPERTIES. UNDER NO CIRCUMSTANCES WILL THE GRINDER STATION OR FORCEMAIN BE CONSTRUCTED WITHIN 10' OF ANY WELL. ADDITIONALLY, THE GRINDER STATION SHALL BE LOCATED IN A POSITION THAT THE HOMEOWNER CAN INSTALL THEIR PIPING A MINIMUM OF 10' FROM ANY WELL. IF THESE CONDITIONS CANNOT BE MET, CONTACT ENGINEER IMMEDIATELY FOR INSTRUCTION.

CONTRACTOR: GRINDER STATION & DISCHARGE PIPE MUST BE COMPLETELY ON SUBJECT PROPERTY

CONTRACTOR SHALL PROVIDE WITNESS MEASUREMENTS FOR THE FOLLOWING:
- EXISTING SEPTIC TANKS AND DRAINFIELDS AS LOCATED DURING DETERMINATION OF GRINDER STATION LOCATION
- GRINDER STATION LOCATION
- LATERAL LOCATION
- LATERAL SHUT OFF ASSEMBLY
- DISTANCE FROM NEAREST WELL TO GRINDER STATION AND LATERAL

CONTRACTOR SHALL CONTACT HOMEOWNER & DETERMINE MUTUALLY AGREEABLE LOCATION OF GRINDER STATION, DISCHARGE PIPE, AND PUMP CONTROL PANEL

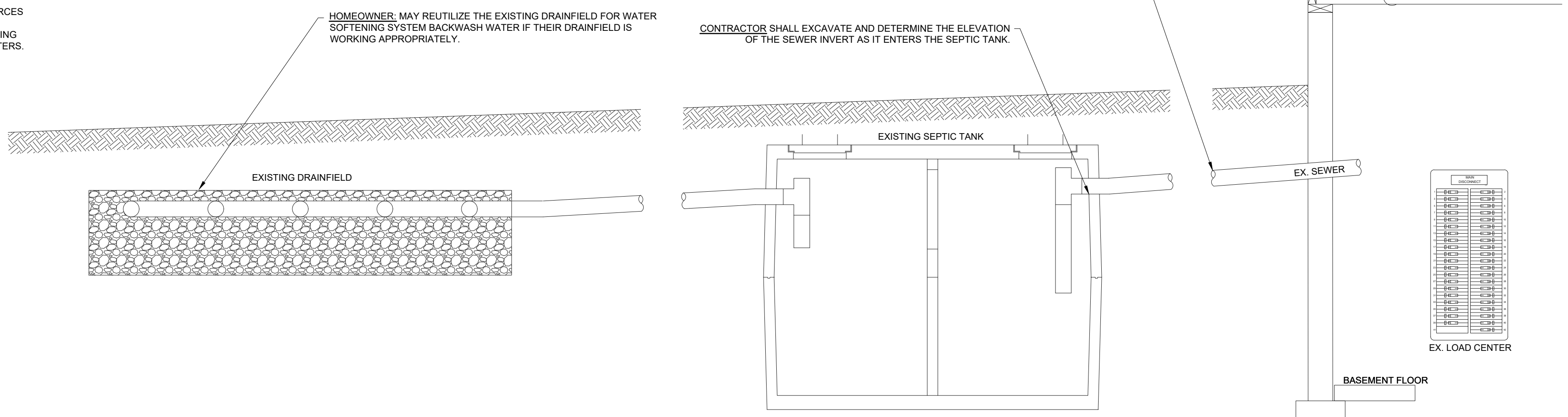
GENERIC SIMPLEX GRINDER STATION SITE PLAN
1" = 30'

HOMEOWNER: HOMEOWNER SHALL DISCONNECT ALL NON-SANITARY WASTEWATER FLOW SOURCES FROM THEIR WASTEWATER STREAM IN ACCORDANCE WITH THE TOWNSHIP'S SEWER USE ORDINANCE. COMMON NON-SANITARY WASTEWATER FLOW SOURCES INCLUDE WATER SOFTENING SYSTEM BACKWASH WATER, BASEMENT SUMPS THAT COLLECT FOUNDATION DRAINS AND GUTTERS.

HOMEOWNER: MAY REUTILIZE THE EXISTING DRAINFIELD FOR WATER SOFTENING SYSTEM BACKWASH WATER IF THEIR DRAINFIELD IS WORKING APPROPRIATELY.

HOMEOWNER SHALL INSTALL PIPING FROM A POINT BETWEEN THE HOME AND THE SEPTIC TANK TO THE GRINDER PUMP STATION AND ABANDON THE SEPTIC SYSTEM IN ACCORDANCE WITH KENT COUNTY HEALTH DEPARTMENT STANDARDS. HOMEOWNER SHALL SUBMIT DOCUMENTATION TO THE KENT COUNTY HEALTH DEPARTMENT THAT THE SEPTIC SYSTEM HAS BEEN ABANDONED.

CONTRACTOR SHALL EXCAVATE AND DETERMINE THE ELEVATION OF THE SEWER INVERT AS IT ENTERS THE SEPTIC TANK.



GENERIC EXISTING HOMEOWNER SEPTIC SYSTEM PROFILE
1/2" = 1'-0"