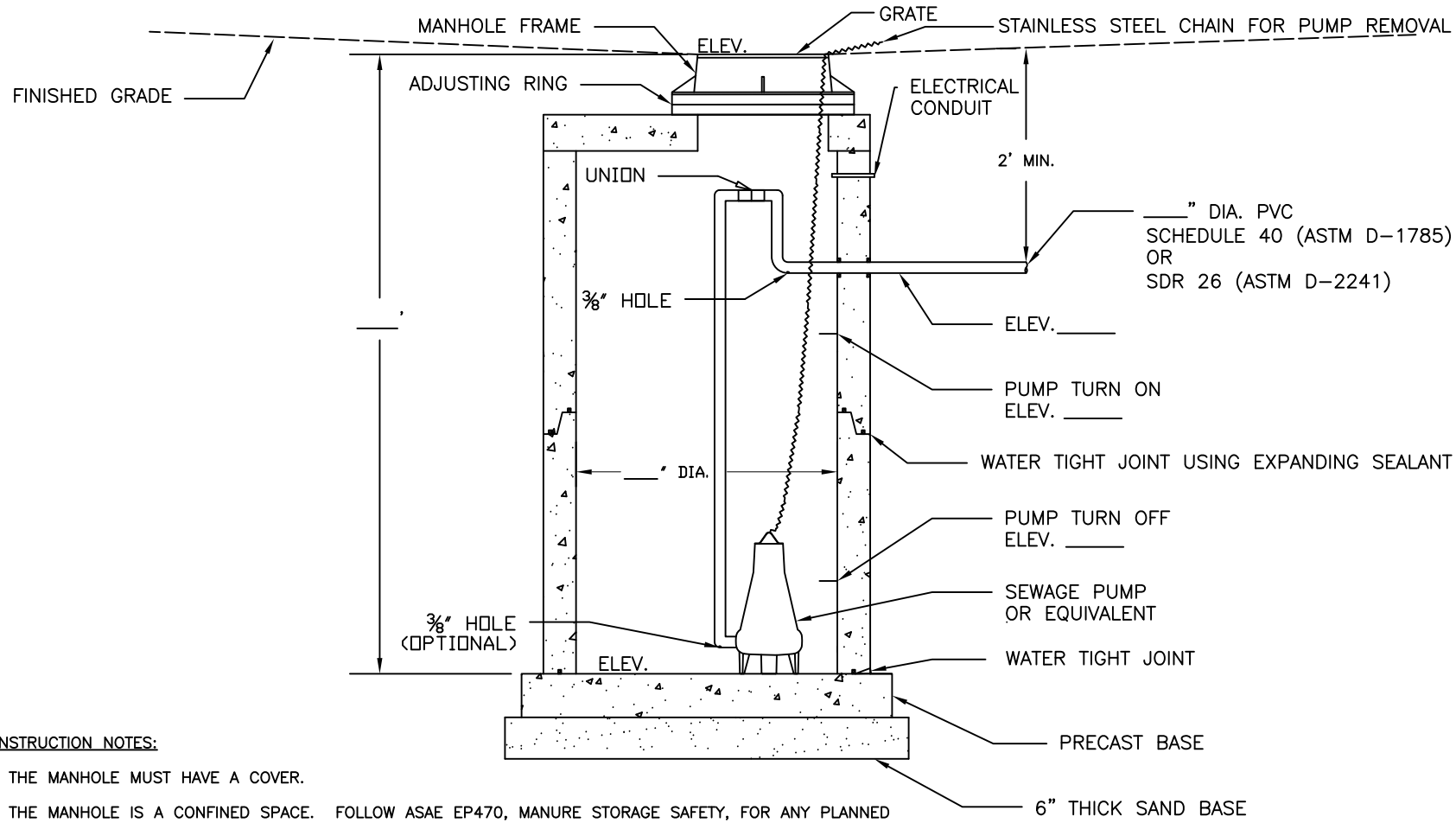

CONSTRUCTION NOTES:

1. THE MANHOLE MUST HAVE A COVER.
2. THE MANHOLE IS A CONFINED SPACE. FOLLOW ASAE EP470, MANURE STORAGE SAFETY, FOR ANY PLANNED ENTRY.
3. IN LIEU OF A CHAIN, PLACE THE PUMP ON A RAIL TO ALLOW FOR EASY MAINTENANCE WITHOUT ENTRY INTO THE MANHOLE.
4. THE MANHOLE SHALL CONFORM TO CRITERIA IN ASTM C-478, PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
5. PLACE RIGID STYROFOAM INSULATION, 4 FEET WIDE, OVER THE PIPE WHEREVER THERE IS LESS THAN 3' OF COVER. 2.5-INCHES OF STYROFOAM REPLACES APPROXIMATELY ONE FOOT OF SOIL.
6. APPLY EXPANDING SEALANT OR NON-SHRINK GROUT AT PIPE OPENINGS.
7. A PRECAST RISER SECTION WITH INTEGRAL BASE IS AN ACCEPTABLE ALTERNATIVE.
8. A RUBBER BOOT CONNECTOR IS AN ACCEPTABLE ALTERNATIVE TO GROUTING THE PIPE (A-LOK, PRESS SEAL, OR EQUIVALENT).
9. THE PUMP MUST RUN AT LEAST _____ MINUTES TO PUMP _____ INCHES OF THE FIRST FLUSH.
10. MANHOLE INLET AND PUMP DETAILS MAY VARY, DEPENDING ON THE MANUFACTURER YOU SELECT.

QUANTITIES

___" PVC (SCH. 40 OR SDR 26)	___LIN. FEET
___" THICK STYROFOAM	___LIN. FT.
SEWAGE PUMP, GPM @ FT.	___EACH
UNION	___EACH
EXPANDING SEALANT	AS NEEDED

Drawing Name WI-911
Date 08/14
Sheet of

Designed _____ Date
Drawn _____
Checked _____
Approved _____

PRECAST CONCRETE MANHOLE AND SEWAGE PUMP

CLIENT: _____
COUNTY: _____

USDA United States Department of Agriculture
Natural Resources Conservation Service