

| BILL OF MATERIALS | | | |
|-------------------|-------------------------------|-------------|-------------|
| MARK | ITEM | SIZE | QUANTITY |
| A | 4"x4" PRESSURE TREATED POST | 7' | 4 |
| B | 2"x4" PRESSURE TREATED LUMBER | --- | 16 LIN. FT. |
| C | GALVANIZED WIRE PANEL | 16'x54" | 1 |
| D | REINFORCING STEEL NO. 4 BAR | 4'-0" | 7 |
| E | REINFORCING STEEL NO. 4 BAR | 6'-9" | 5 |
| | CONCRETE | 4'-6"x7'x6" | .6 CU. YDS. |
| | NAILS AND/OR STAPLES | min. 10d | 32 min. |
| | BAFFLE PLATE ASSEMBLY * | --- | 1 |
| | GALVANIZED WIRE PANEL COVER | 5'-6"x2'-9" | 1 |

* FOR DETAILS SEE PAGE 2

- NOTES:
1. ALL WOOD SHALL BE PRESSURE TREATED AND MUST CONFORM TO WI CONSTRUCTION SPECIFICATION 14. TREAT ALL SAW CUTS.
 2. INSTALL WIRE PANELS WITH CLOSE SPACING AT THE TOP, AS SHOWN. USE A MINIMUM OF 4 NAILS AND/OR STAPLES PER POST FACE.
 3. WHERE THE CONCRETE IS TO BE IN CONTACT WITH THE PIPE, WRAP IT WITH A STRIP OF HEAVY ROOFING FELT BEFORE THE CONCRETE IS POURED.
 4. CUT BARS AROUND PIPE PROVIDING A MINIMUM OF 2" CLEARANCE.
 5. THE MAXIMUM WATER LEVEL SHALL BE BELOW THE THE TOP OF THE TRASH RACK UNLESS A WIRE PANEL COVER IS PROVIDED.

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| File Name WI-254 | Date 07/14 | Sheet of |
| Designed | Drawn | Checked |
| Date | | Approved |

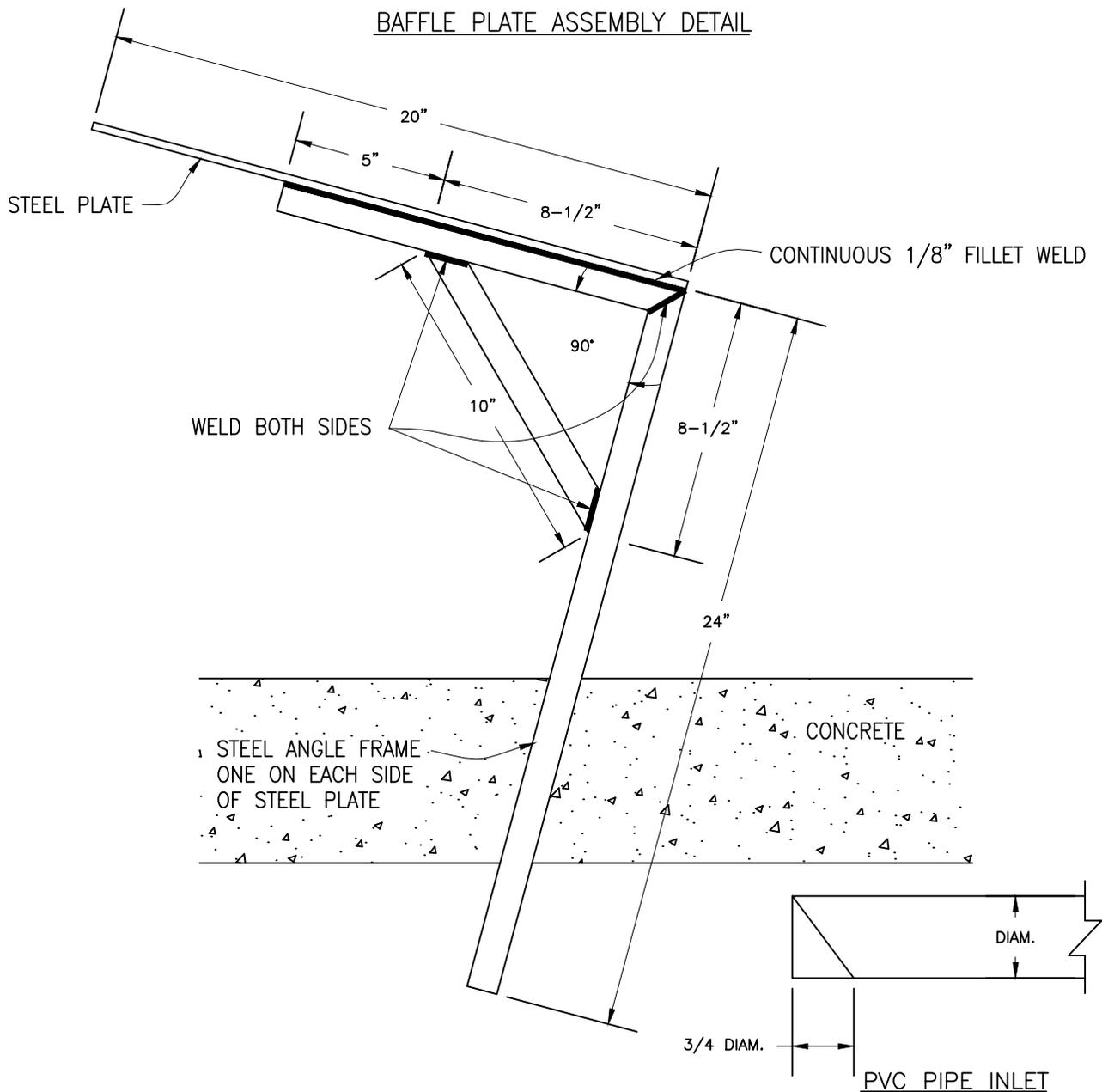
TRASH RACK AND ANTIVORTEX DEVICE 8", 10", AND 12" DIAM. PVC PIPE

CLIENT: _____ COUNTY: _____

United States Department of Agriculture

 Natural Resources Conservation Service

BAFFLE PLATE ASSEMBLY DETAIL



BILL OF MATERIALS

| BAFFLE PLATE ASSEMBLY | | |
|-----------------------|-----------------------------|----------|
| ITEM | SIZE | QUANTITY |
| STEEL ANGLE IRON | 4' x 1-1/2" x 1-1/2" x 1/4" | 2 |
| STEEL PLATE | 20" x 20" x 1/8" | 1 |

NOTES:

1. 3/4 DIAMETER BEVEL TO BE CUT PRIOR TO PIPE INSTALLATION.
2. WELD SUPPORT BRACE TO EACH SIDE OF THE STEEL BAFFLE PLATE.
3. SUPPORT BRACE IS NOT TO EXTEND PAST THE PIPE INLET AT ANY POINT.
4. CLEAN FABRICATED ASSEMBLY, PRIME AND PAINT WITH RUST RESISTANT PAINT.
5. PLACE BAFFLE PLATE ASSEMBLY SO THAT THE CENTER OF THE PLATE TOUCHES THE CROWN OF THE PIPE. EMBED THE STEEL FRAME IN CONCRETE.