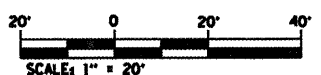
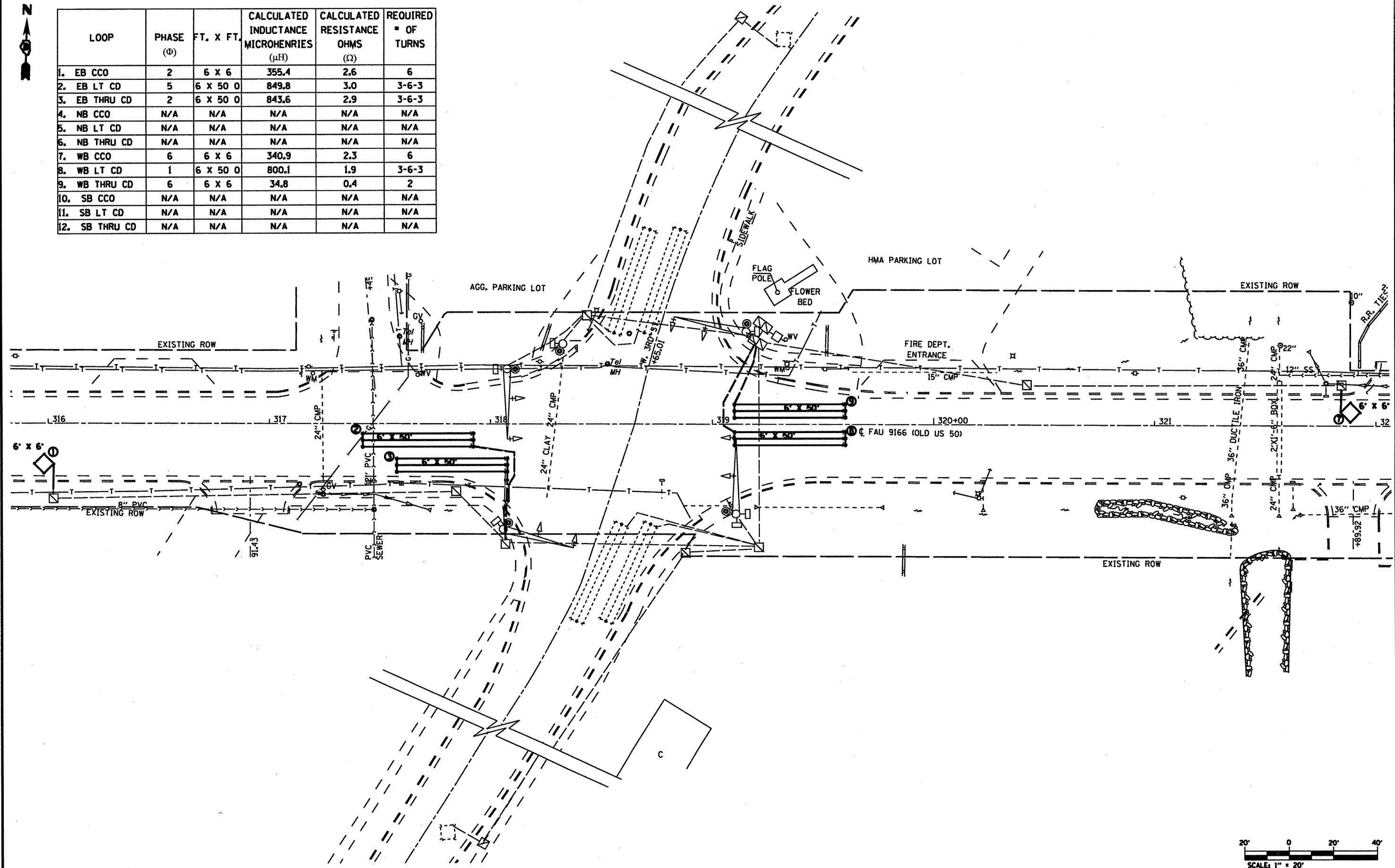




| LOOP           | PHASE (Φ) | FT. X FT.                                       | CALCULATED INDUCTANCE MICROHENRIES (μH) | CALCULATED RESISTANCE OHMS (Ω) | REQUIRED # OF TURNS |
|----------------|-----------|---|---|--------------------------------|---------------------|
| 1. EB CCO      | 2         | 6 X 6   | 355.4                                   | 2.6                            | 6                   |
| 2. EB LT CD    | 5         | 6 X 50 0  | 849.8                                   | 3.0                            | 3-6-3               |
| 3. EB THRU CD  | 2         | 6 X 50 0  | 843.6                                   | 2.9                            | 3-6-3               |
| 4. NB CCO      | N/A       | N/A   | N/A                                     | N/A                            | N/A                 |
| 5. NB LT CD    | N/A       | N/A   | N/A                                     | N/A                            | N/A                 |
| 6. NB THRU CD  | N/A       | N/A </td <td>N/A</td> <td>N/A</td> <td>N/A</td> | N/A                                     | N/A                            | N/A                 |
| 7. WB CCO      | 6         | 6 X 6   | 340.9                                   | 2.3                            | 6                   |
| 8. WB LT CD    | 1         | 6 X 50 0  | 800.1                                   | 1.9                            | 3-6-3               |
| 9. WB THRU CD  | 6         | 6 X 6   | 34.8                                    | 0.4                            | 2                   |
| 10. SB CCO     | N/A       | N/A   | N/A                                     | N/A                            | N/A                 |
| 11. SB LT CD   | N/A       | N/A   | N/A                                     | N/A                            | N/A                 |
| 12. SB THRU CD | N/A       | N/A   | N/A                                     | N/A                            | N/A                 |



|   |                              |            |           |
|---|------------------------------|------------|-----------|
| FILE NAME *   | USER NAME * alfordb          | DESIGNED - | REVISED - |
| ca:\pe_work\p1dot\alfordb\08174224\087699-shr-TSI.dgn |                              | DRAWN -    | REVISED - |
|   | PLOT SCALE = 48,0000 ' / IN. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/2/2010         | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
US 50 AT 3RD STREET**

SCALE: 1" = 20'    SHEET NO.    OF    SHEETS

| F.A.U. RTE. | SECTION               | COUNTY    | TOTAL SHEETS | SHEET NO. |
|-------------|-----------------------|-----------|--------------|-----------|
| 9166        | 32RS-3, 31RS-3, 1RS-1 | ST. CLAIR | 56           | 46        |

FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT