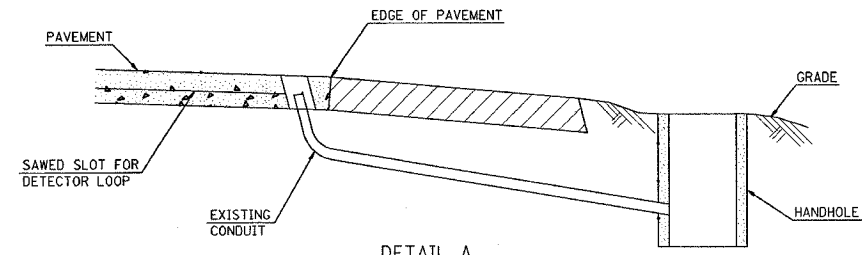
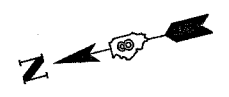


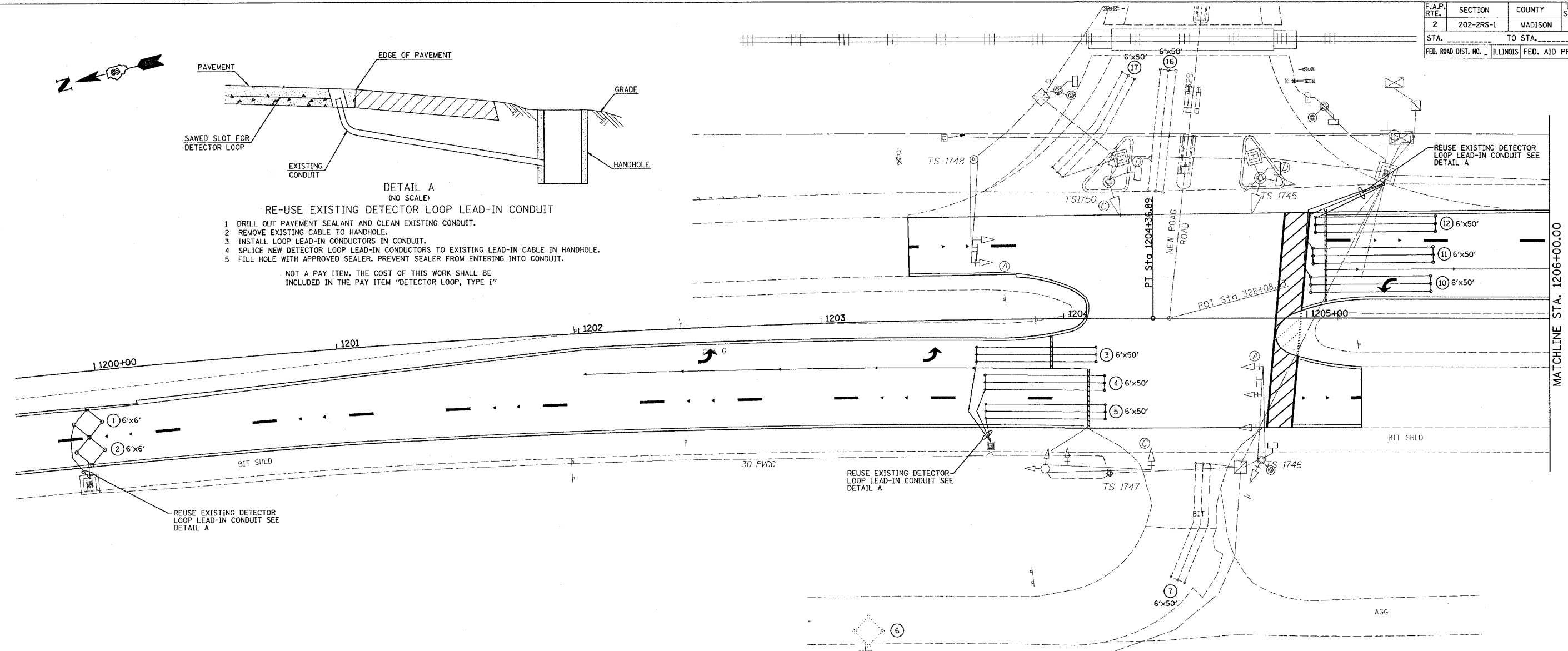
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	202-2RS-1	MADISON	9	9
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



DETAIL A
(NO SCALE)
RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP, TYPE 1"

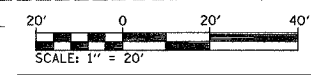
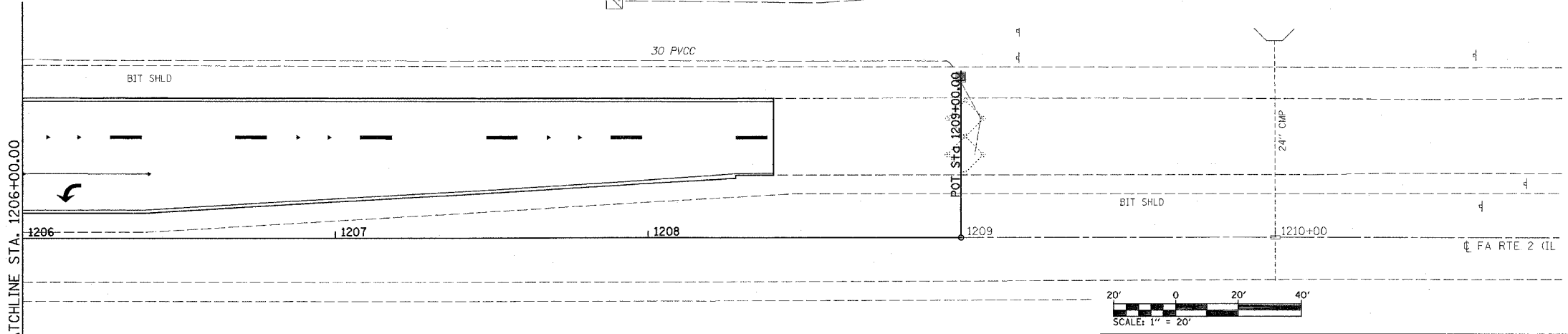


PAY ITEM	DESCRIPTION	UNIT	QUANTITY
88600000	DETECTOR LOOP, TYPE 1	FOOT	1227.5

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 AND NEW POAG/LEWIS AND CLARK HISTORIC SITE ROADS

LOOP	PHASE (C/P)	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1 SB CCO A	2	6' X 6'	7	512.4	3.7
2 SB CCO B	2	6' X 6'	7	508.6	3.7
3 SB LT CD	5	6' X 50' (O)	3-6-3	852.0	3.1
4 SB THRU CD A	2	6' X 50' (O)	3-6-3	849.5	3.0
5 SB THRU CD B	2	6' X 50' (O)	3-6-3	844.7	2.9
6 EB CCO	4	NA	NA	NA	NA
7 EB THRU CD	4	NA	NA	NA	NA
8 NB CCO A	6	NA	NA	NA	NA
9 NB CCO B	6	NA	NA	NA	NA
10 NB LT CD	1	6' X 50' (O)	3-6-3	802.9	2.0
11 NB THRU CD A	6	6' X 50' (O)	3-6-3	800.1	1.9
12 NB THRU CD B	6	6' X 50' (O)	3-6-3	796.5	1.8
13 WB CCO	3	NA	NA	NA	NA
14 WB THRU CD A	3	NA	NA	NA	NA
15 WB RT CD A	3	NA	NA	NA	NA
16 WB THRU CD B	3	NA	NA	NA	NA
17 WB RT CD B	3	NA	NA	NA	NA

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCES AND RESISTANCES. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
FAP ROUTE 2
SECTION 202-2RS-1
MADISON COUNTY

SCALE: _____
DATE _____

DRAWN BY _____
CHECKED BY _____

PLOT DATE = 5/17/2005
 FILE NAME = c:\p\projects\205\205\plan\205\tsa.dgn
 PLOT SCALE = 20.000000 / IN.
 REFERENCE = #REF#