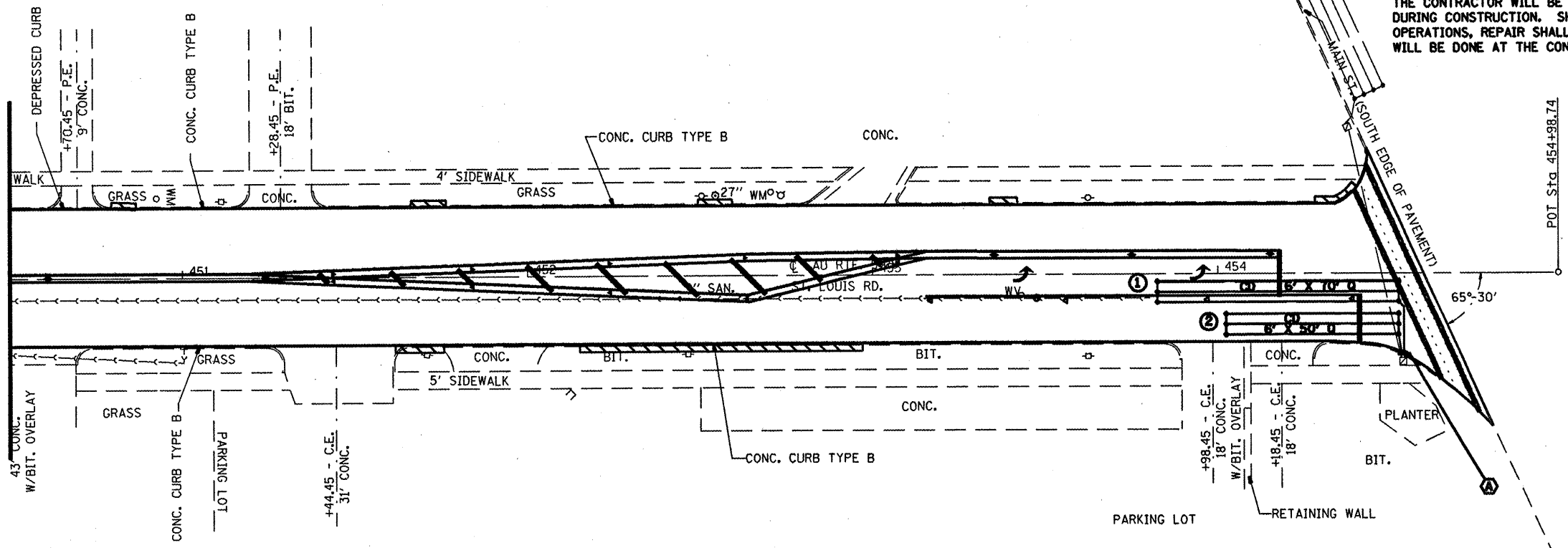


RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 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 REPLACEMENT"
 THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE OPERATIONS, REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR WEST MAIN ST. AND ST. LOUIS AVE.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB LT CD	4	6' X 50' Q	3-6-3	821.0	2.4
2. NB THRU CD	4	6' X 50' Q	3-6-3	820.1	2.4

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

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES
CODE NO	ITEM	UNIT	
90600000	DETECTOR LOOP REPLACEMENT	FOOT	400