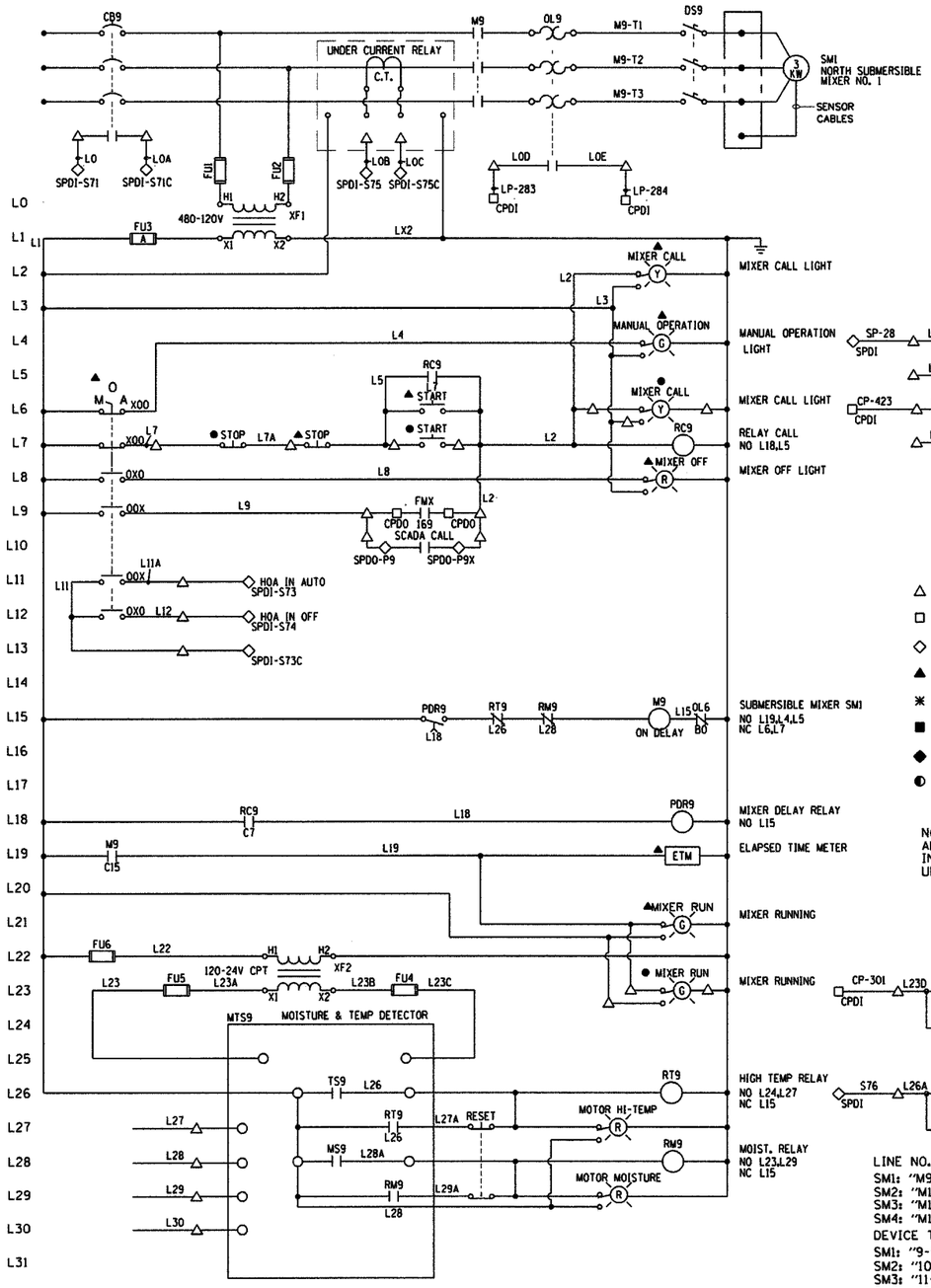
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-(1,2)T-17	ST. CLAIR	77	57
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- △ TERMINAL IN MOTOR STARTER
- □ TERMINAL IN CONTROL PANEL
- ◇ TERMINAL IN SCADA PANEL
- ▲ DEVICE LOCATED ON STARTER DOOR
- ✱ DEVICE LOCALLY MTD
- ■ DEVICE IN CONTROL PANEL
- ◆ DEVICE IN SCADA PANEL
- ◐ DEVICE IN MOTOR

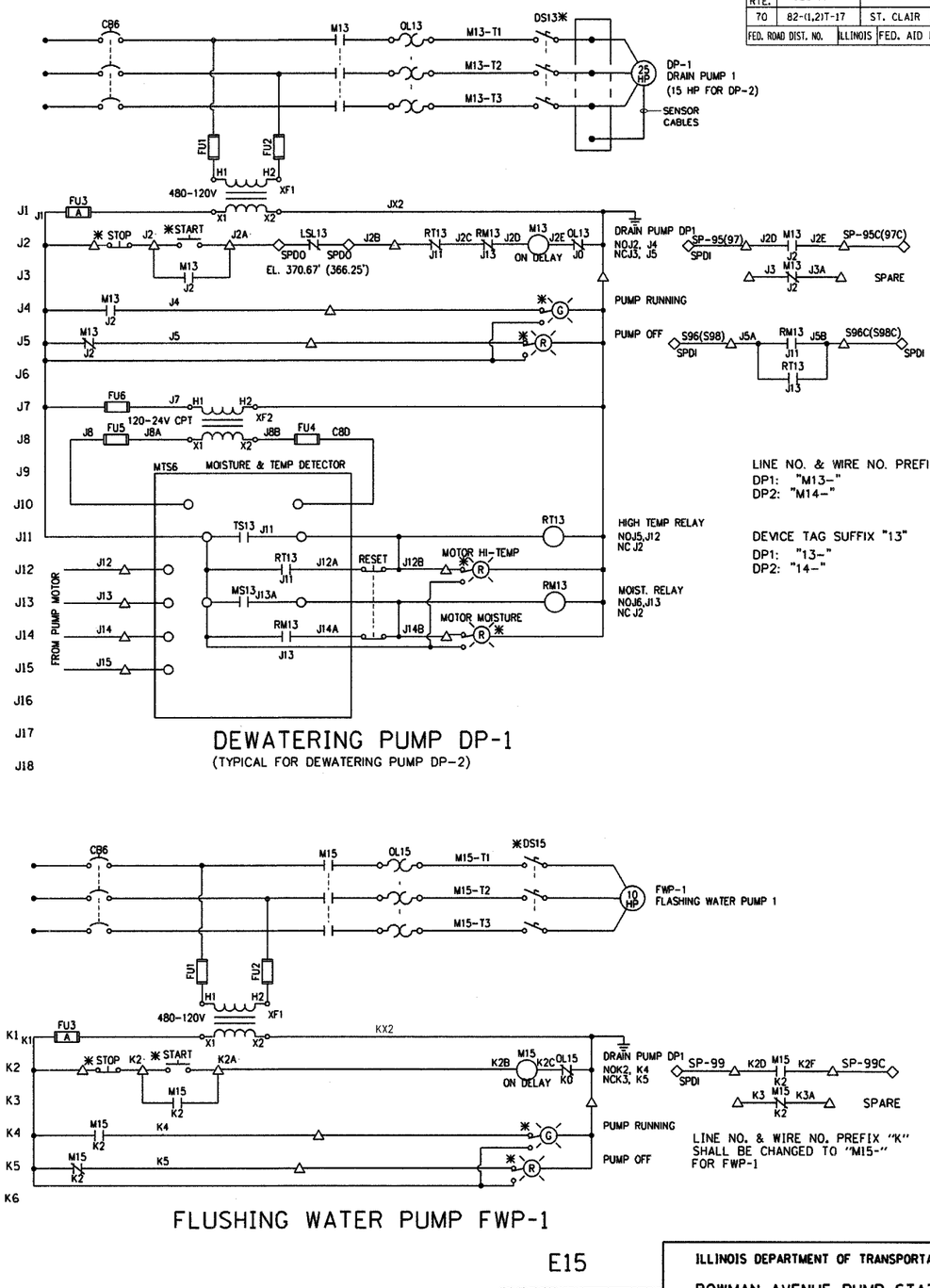
NOTE:
ALL DEVICES MOUNTED IN MOTOR STARTER UNLESS OTHERWISE NOTED

LINE NO. & WIRE NO. PREFIX "L":
SM1: "M9-"
SM2: "M10-"
SM3: "M11-"
SM4: "M12-"

DEVICE TAG SUFFIX "9"
SM1: "9-"
SM2: "10-"
SM3: "11-"
SM4: "12-"

SUBMERSIBLE MIXER SM1

(TYPICAL FOR SUBMERSIBLE MIXER SM2, SM3 & SM4)



LINE NO. & WIRE NO. PREFIX "J":
DP1: "M13-"
DP2: "M14-"

DEVICE TAG SUFFIX "13"
DP1: "13-"
DP2: "14-"

DEWATERING PUMP DP-1

(TYPICAL FOR DEWATERING PUMP DP-2)

LINE NO. & WIRE NO. PREFIX "K" SHALL BE CHANGED TO "M15-" FOR FWP-1

FLUSHING WATER PUMP FWP-1

NOTE: TEMP/MOISTURE DETECTORS ARE BASED ON ONE MANUFACTURER. WIRING MAY BE CHANGED AS PER ACTUAL DETECTORS FURNISHED.

ALVORD, BURDICK & HOWSON, L.L.C.
ENGINEERS CHICAGO

E15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BOWMAN AVENUE PUMP STATION REHABILITATION

SUBMERSIBLE MIXER CONTROL SCHEMATIC

SCALE: AS SHOWN DRAWN BY: KCC

DATE: 09-12-05 CHECKED BY: KCC

PLOT DATE: *DATE-TIME*

PLAN SURVEYED PLOTTED ALIGNMENT CHECKED ET. OF WAY CHECKED CADD FILE NAME NOTE BOOK NO.

BY DATE

REMARKS *DATE-TIME* *DGN-SPEC* *REF* *REF*