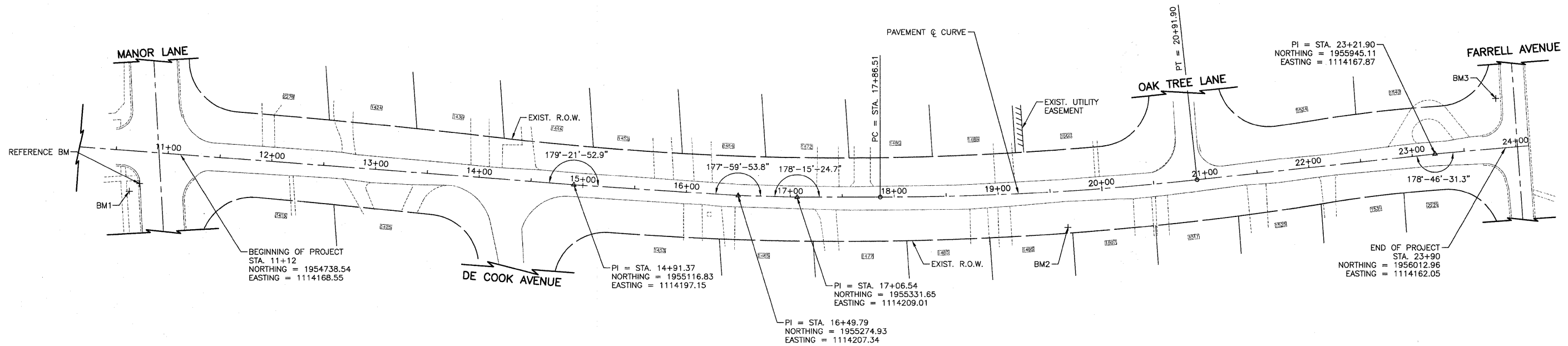


PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

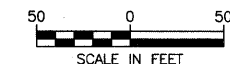
PAVEMENT Q CURVE

PI = STA. 19+39.35
 N = 1955564.46
 E = 1114208.77
 $\Delta = 6^{\circ}-02'-36''$
 R = 2880.0'
 T = 152.84'
 L = 305.40'
 E = 4.05'
 PC = STA. 17+86.51
 N = 1955411.62
 E = 1114208.93
 PT = STA. 20+91.90
 N = 1955716.42
 E = 1114192.44



BENCHMARKS

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION	STATION	OFFSET
REFERENCE BM	RIM OF STORM INLET AT THE SOUTHEAST CORNER OF DEE ROAD AND MANOR LANE.	1954699.0750	1114196.2230	635.81	10+74.73	30.57' RT.
BM1	NORTHEAST BONNET BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHEAST CORNER OF DEE ROAD AND MANOR LANE.	1954689.2460	1114203.4930	638.31	10+65.48	38.56' RT.
BM2	NORTHEAST TAG BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 100 FEET SOUTH OF OAK TREE LANE. (EAST SIDE OF DEE ROAD)	1955592.2820	1114237.9720	640.96	19+65.10	34.83' RT.
BM3	SOUTHEAST TAG BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF FARRELL AVENUE AND DEE ROAD.	1956003.5320	1114114.7030	640.81	23+84.66	47.97' LT.



FILE NAME =	USER NAME =	DESIGNED SJC	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEE ROAD ALIGNMENT, TIES AND BENCHMARKS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN SJC	REVISED --		SHEET NO. 4 OF 15 SHEETS STA. 10+50 TO STA. 24+12.32		08-00144-00-SW	COOK	ILLINOIS	15	4
	PLOT DATE =	CHECKED JRV	REVISED --				CONTRACT NO. 63279				
		DATE 08/12/2009	REVISED --				FED. ROAD DIST. NO. 1		FED. AID PROJECT		