

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	537 R-1	COOK	245	87
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

CONTRACT # 62880

DRAWING NO. DU-2
STA 165+00 TO STA 179+00

165L2 STA 165+50, 7.5' LT
CATCH BASIN, TYPE C, 2' DIA.
W/ TYPE 8 GRATE
RIM EL 709.97
INV EL 706.50

165L STA 165+50, 48.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 709.39
INV EL 701.15 (12" E)
INV EL 701.05 (12" NW)

165L1 STA 165+54.3, 54.7' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 709.68
INV EL 700.72 (15" S)
INV EL 700.97 (12" SE)
INV EL 700.45 (18" N)

166R STA 166+28.3, 60.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 708.73
INV EL 702.82

166L STA 166+28.3, 54.5' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 709.30
INV EL 700.10 (18" S)
INV EL 699.97 (18" N)
INV EL 700.60 (12" E)
INV EL 700.60 (12" NW)

167L1 STA 167+50, 53.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 8 FRAME & GRATE
RIM EL 705.50
INV EL 701.00

167L STA 167+50, 48.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 707.81
INV EL 699.94

167L1 STA 167+54.27, 53.88' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 708.10
INV EL 699.36 (18" S)
INV EL 699.24 (18" N)
INV EL 699.86 (12" SE)

167R STA 167+71.4, 60.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 707.17
INV EL 701.96

167L2 STA 167+78, 8.0' LT
MANHOLE, TYPE A, 5' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 707.79
INV EL 700.66 (12" E)
INV EL 699.89 (15" W)
INV EL 700.10 (15" NE)

167L3 STA 167+84.8, 59.0' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 707.50
INV EL 699.10 (18" S)
INV EL 698.87 (18" NW)
INV EL 699.60 (12" E)

170R1 STA 170+04.6, 8.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 23 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 703.76
INV EL 699.07 (15" W)
INV EL 699.32 (12" NE)

170L1 STA 170+04.3, 65.4' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 703.57
INV EL 698.62 (15" SW)
INV EL 698.97 (12" N)
INV EL 698.72 (15" E)

170L STA 170+40, 60.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 702.48
INV EL 699.48

170R STA 170+40, 48.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 701.18
INV EL 699.78

170L2 STA 170+84.9, 66.3' LT
SANITARY MH, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 702.06
INV EL 697.96 (8" N)

171L STA 171+10, 60.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 701.24
INV EL 694.25

171L1 STA 171+25, 59.7' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 700.98
INV EL 693.81 (12" S)
INV EL 693.71 (12" N)

173L1 STA 173+04.0, 42.0' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 698.25
INV EL 689.41 (18" W)
INV EL 689.31 (18" N)

171L2 STA 171+76, 56.8' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 700.14
INV EL 691.83 (12" S)
INV EL 690.58 (15" N)

171L3 STA 171+91.5, 62.4' LT
SANITARY MH, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 700.33
INV EL 695.24 (8" S)
INV EL 695.11 (8" N)

172L STA 172+65, 51.7' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 698.69
INV EL 695.19

172L1 STA 172+70.9, 55.8' LT
MANHOLE, TYPE A, 5' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 693.90
INV EL 687.94 (21" S)
INV EL 686.02 (21" N)
INV EL 688.59 (12" E, NE, SW)

172L2 STA 172+74.20, 68.05' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 8 GRATE
RIM EL 701.18
INV EL 690.46

172R STA 172+90, 48.0' RT
CATCH BASIN, TYPE C, 2' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 698.34
INV EL 692.34

173L STA 173+04.0, 54.5' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 698.46
INV EL 689.59 (18" S)
INV EL 689.47 (18" E)

174L STA 174+00, 48.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 696.38
INV EL 690.45 (12" NE)

174L1 STA 174+04.8, 42.0' LT
MANHOLE, TYPE A, 4' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 696.41
INV EL 690.37 (12" SW & NE)
INV EL 688.71 (18" S)
INV EL 688.62 (21" N)

174L2 STA 174+32.8, 12.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 23 FRAME & GRATE
RIM EL 696.45
INV EL 691.45

175L STA 175+40, 48.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 693.90
INV EL 688.62 (12" NE)

175R STA 175+39.95, 48.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 693.90
INV EL 689.36

175L1 STA 175+43.8, 53.8' LT
MANHOLE, TYPE A, 5' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 693.90
INV EL 687.94 (21" S)
INV EL 686.02 (21" N)
INV EL 688.59 (12" E, NE, SW)

175L2 STA 175+71.5, 4.3' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 8 FRAME & GRATE
RIM EL 693.75
INV EL 689.12 (12" E, SW)

175R2 STA 175+72.4, 3.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 23 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 693.83
INV EL 689.16

175R1 STA 175+86.2, 57.1' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 692.52
INV EL 689.71

176R STA 176+86.4, 56.8' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 691.13
INV EL 686.13

176L STA 176+82.8, 53.8' RT
MANHOLE, TYPE A, 5' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 691.43
INV EL 685.34 (21" S)
INV EL 685.21 (21" NW)

176L1 STA 176+96.9, 70.7' LT
MANHOLE, TYPE A, 5' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 691.12
INV EL 685.14 (21" SE)
INV EL 683.79 (24" N)
INV EL 685.52 (12" W)
INV EL 687.00 (12" SW)

177R STA 177+62, 48.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.79
INV EL 685.40 (12" W, S)

177L STA 177+62, 60.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.49
INV EL 684.36 (12" W, E)

177L1 STA 177+61.86, 69.60' LT
MANHOLE, TYPE A, 5' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM EL 691.06
INV EL 683.20 (24" S)
INV EL 683.04 (24" N)
INV EL 684.32 (12" E)

178L1 STA 178+11.83, 69.57' LT
RESTRICTOR MANHOLE,
TYPE A, 6' DIA.
W/ TYPE 1 FRAME, CLOSED LID
RIM 690.41
INV EL 682.60 (24" N & S)
SEE DRAWING DU-21 FOR DETAILS

178L2 STA 178+27, 71.7' LT
JUNCTION CHAMBER NO. 1
W/ TYPE 1 FRAME, CLOSED LID
RIM 690.33
INV EL 682.50 (24" S)
INV EL 681.32 (2-36" E)
INV EL 681.32 (60" N)
SEE DRAWING DU-19 FOR DETAILS

178L3 STA 178+75.7, 58.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.06
INV EL 685.06

178R1 STA 178+75.7, 48.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.31
INV EL 685.31

178L6 STA 178+80.7, 3.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 23 FRAME & GRATE
RIM EL 690.83
INV EL 684.41

178L4 STA 178+85.7, 57.4' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.08
INV EL 684.94 (12" N, S)

178R2 STA 178+85.7, 48.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.31
INV EL 685.19 (12" N, S)

178L7 STA 178+90.7, 3.0' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 23 FRAME & GRATE
RIM EL 690.83
INV EL 684.29 (12" N, S)

178L5 STA 178+95.7, 56.8' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.10
INV EL 684.82 (12" S, NE)

178R3 STA 178+95.74, 48.0' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
RIM EL 690.32
INV EL 685.07

158TH PLACE

28R1 STA 28+28.59, 24.93' RT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 689.51
INV EL 686.56

28L1 STA 28+28.59, 31.72' LT
CATCH BASIN, TYPE A, 4' DIA.
W/ TYPE 24 FRAME & GRATE
& WITH FLAT SLAB TOP
RIM EL 689.56
INV EL 686.11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 (159TH ST) AT US RTE 45 (LAGRANGE RD)

US RTE 45 (LAGRANGE ROAD)
DRAINAGE NOTES

SCALE: N/A
DATE: 7-07-06

DRAWN BY: JTF
CHECKED BY: OIU

McDonough Associates Inc.
Engineers/Architects

DU-12

81-06