

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034N-1	COOK	71	18
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

127th ST. AT MAPLE AVENUE  
LIST OF DRAINAGE STRUCTURES

127th ST. AT MAPLE AVENUE  
LIST OF STORM SEWER PIPES

1 INLET TYPE B,  
TYPE 23, FRAME AND GRATE  
STA. 95+21, 24' LT.  
T.G. (TOP OF GRATE) = 636.57  
INV. EL. (INVERT) = 632.57

11 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 100+23, 50' LT.  
T.G. = 635.64  
INV. =

18A MANHOLE, TYPE A, 4' DIA.  
TYPE 1, FRAME CLOSED LID  
STA. 101+85, 24' LT.  
T.G. = 631.90  
INV. = 626.08

1 STORM SEWER, CL-A, TY.-1, 12"  
STA. 95+21 (LATERAL)  
24', 12" DIA. @ 1.5%  
T.B. = 22 CU. YD.

12 STORM SEWER, WATER MAIN REQUIREMENTS, 12"  
STA. 101+92 TO STA. 101+86 (LATERAL)  
55', 12" DIA. @ 0.5%  
T.B. = 56 CU. YD.

18 STORM SEWER, CL-A, TY.-2, 18"  
STA. 105+12 TO STA. 106+10  
98', 18" DIA. @ 0.35%  
T.B. = 83 CU. YD.

2 INLET TYPE B,  
TYPE 23, FRAME AND GRATE  
STA. 95+21, 22' RT.  
T.G. = 636.60  
INV. = 632.60

12 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 101+85, 31' LT.  
T.G. = 634.55  
INV. = 627.26

18B CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 105+48, 24' RT.  
T.G. = 631.64  
INV. = 628.83

2 STORM SEWER, WATER MAIN REQUIREMENTS, 12"  
STA. 95+21 (LATERAL)  
28', 12" DIA. @ 1.5%  
T.B. = 10 CU. YD.

12A STORM SEWER, CL-A, TY.-2, 12"  
STA. 101+86 TO STA. 103+12 (LATERAL)  
5', 12" DIA. @ 0.5%  
T.B. = 5 CU. YD.

18B STORM SEWER, CL-A, TY.-2, 12"  
STA. 104+53 TO STA. 105+48  
95', 12" DIA. @ 0.35%

3 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 96+06, 28' LT.  
T.G. = 635.77  
INV. = 630.32

12A MANHOLE, TYPE A, 4' DIA.  
TYPE 1, FRAME CLOSED LID  
STA. 101+85, 24' LT.  
T.G. = 634.67  
INV. = 627.22

19 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 106+10, 31' LT.  
T.G. = 631.32  
INV. = ----- (W)  
----- (S)

3 STORM SEWER, WATER MAIN REQUIREMENTS, 12"  
STA. 96+14 TO STA. 96+06 (LATERAL)  
52', 12" DIA. @ 1.5%  
T.B. = 38 CU. YD.

13 STORM SEWER, CL-A, TY.-2, 15"  
STA. 101+86 TO STA. 103+12  
126', 15" DIA. @ 0.35%  
T.B. = 126 CU. YD.

19 STORM SEWER, CL-A, TY.-1, 12"  
STA. 106+10 (LATERAL)  
7', 12" DIA. @ 0.35%  
T.B. = 60 CU. YD.

4 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 96+14, 24' RT.  
T.G. = 635.83  
INV. = 630.83

13 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 101+92, 25' RT.  
T.G. = 634.58  
INV. = 627.49

19A MANHOLE, TYPE A, 4' DIA.  
TYPE 1, FRAME CLOSED LID  
WITH RESTRICTOR AS PER  
RESTRICTOR DETAIL  
STA. 106+10, 24' LT  
T.G. = 631.44  
INV. = 625.70

4 STORM SEWER, CL-A, TY.-2, 15"  
STA. 96+06 TO 96+25  
19', 15" DIA. @ 0.5%  
T.B. = 15 CU. YD.

14 STORM SEWER, CL-A, TY.-2, 15"  
STA. 103+12 TO STA. 104+20  
108', 15" DIA. @ 0.35%  
T.B. = 92 CU. YD.

20 STORM SEWER, CL-A, TY.-1, 12"  
STA. 105+96 (30' RT.) (LATERAL)  
14', 12" DIA. @ 0.5%

5 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 96+25, 28' LT.  
T.G. = 635.72  
INV. = 630.22

14 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 103+12, 31' LT.  
T.G. = 633.48  
INV. = 626.81

20 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 105+96, 30' RT.  
T.G. = 631.39  
INV. = 626.65

5 STORM SEWER, CL-A, TY.-2, 15"  
STA. 96+14 TO 96+29  
15', 15" DIA. @ 0.5%  
T.B. = 12 CU. YD.

14A STORM SEWER, CL-A, TY.-2, 15"  
STA. 103+12 (LATERAL) NORTH  
5', 12" DIA. @ 0.5%  
T.B. = 4 CU. YD.

21 STORM SEWER, CL-A, TY.-1, 12"  
STA. 106+43 (31' RT.)  
12', 12" DIA. @ 0.5%

6 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 96+29, 24' RT.  
T.G. = 635.70  
INV. = 630.98

14A MANHOLE, TYPE A, 4' DIA.  
TYPE 1, FRAME CLOSED LID  
STA. 101+85, 24' LT.  
T.G. = 633.60  
INV. = 626.78

21 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 106+43, 31' RT.  
T.G. = 631.22  
INV. = 626.22

6 STORM SEWER, CL-A, TY.-2, 15"  
STA. 96+25 TO 97+58  
133', 15" DIA. @ 0.5%  
T.B. = 106 CU. YD.

14B STORM SEWER, WATER MAIN REQUIREMENTS, 12"  
STA. 103+12 (LATERAL) SOUTH  
24', 12" DIA. @ 0.5%  
T.B. = 20 CU. YD.

22 STORM SEWER, CL-A, TY.-1, 12"  
STA. 107+53 TO STA. 106+97  
66', 12" DIA. @ 0.5%

6A MANHOLE, TYPE A, 4' DIA.  
TYPE 1, FRAME AND GRATE CLOSED LID  
WITH RESTRICTOR AS PER  
RESTRICTOR DETAIL "A"  
STA. 96+29, 24' RT.  
T.G. = 635.70  
INV. = 629.5

15 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 103+12, 24' RT.  
T.G. = 633.59  
INV. = 626.81

22 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 107+53, 24' RT.  
T.G. = 630.79  
INV. = 626.29

7 STORM SEWER, CL-A, TY.-2, 15"  
STA. 97+58 (LATERAL) (N)  
12', 12" DIA. @ 1.5%  
T.B. = 10 CU. YD.

15 STORM SEWER, CL-A, TY.-2, 18"  
STA. 104+20 TO STA. 105+12  
92', 18" DIA. @ 0.35%  
T.B. = 78 CU. YD.

23 STORM SEWER, CL-A, TY.-1, 12"  
STA. 108+00 TO STA. 108+24  
24', 12" DIA. @ 0.5%  
T.B. = 7 CU. YD.

7 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 97+58, 31' LT.  
T.G. = 635.52  
INV. = 629.55 (S,E,W)

16 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 104+20, 31' LT.  
T.G. = 632.53  
INV. = 626.44

23 INLET, TYPE B, TYPE 23  
FRAME AND GRATE  
STA. 108+00, 24' RT.  
T.G. = 631.10  
INV. = 625.98

8 STORM SEWER, CL-A, TY.-2, 10"  
STA. 97+58 (LATERAL) (S)  
6', 12" DIA. @ 1.5%  
T.B. = 5 CU. YD.

16 STORM SEWER, CL-A, TY.-1, 12"  
STA. 104+45 TO STA. 104+54  
10', 12" DIA. @ 0.5%

8 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 97+56, 24' RT.  
T.G. = 635.48  
INV. = 629.05

16A MANHOLE, TYPE A, 4' DIA.  
TYPE 1, FRAME CLOSED LID  
STA. 101+85, 24' LT.  
T.G. = 633.60  
INV. = 626.40

24 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 108+24, 24' RT.  
T.G. = 630.99  
INV. = 625.90

9 STORM SEWER, CL-A, TY.-2, 15"  
STA. 98+45 TO STA. 97+58 (N)  
87', 15" DIA. @ 1.5%  
T.B. = 68 CU. YD.

16A STORM SEWER, CL-A, TY.-2, 12"  
STA. 104+45 (LATERAL) NORTH  
5', 12" DIA. @ 0.5%  
T.B. = 5 CU. YD.

9 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 98+45, 31' LT.  
T.G. = 635.68  
INV. = 629.78

17 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 104+44, 31' RT.  
T.G. = 632.43  
INV. = 627.29

25 INLET, TYPE B, TYPE 23  
FRAME AND GRATE  
STA. 109+30, 24' RT.  
T.G. = 631.39  
INV. = 626.89

10 STORM SEWER, WATER MAIN REQUIREMENTS, 12"  
STA. 98+45 TO STA. 98+58 (LATERAL)  
24', 15" DIA. @ 1.5%  
T.B. = 19 CU. YD.

17 STORM SEWER, CL-A, TY.-1, 12"  
STA. 105+12  
5', 12" DIA. @ 0.5%  
T.B. = 4 CU. YD.

10 CATCH BASIN, TYPE A, 4' DIA.  
TYPE 23, FRAME AND GRATE  
STA. 98+45, 24' RT.  
T.G. = 635.79  
INV. = 629.50

18 CATCH BASIN, TYPE A, 4' DIA.  
WITH FRAME AND GRATE, TYPE 23  
STA. 105+12, 31' LT.  
T.G. = 631.78  
INV. = 626.11

11 STORM SEWER, CL-A, TY.-2, 12"  
STA. 100+23 (LATERAL) (N)  
8', 12" DIA. @ 0.5%  
T.B. = 8 CU. YD.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
127TH STREET @ MAPLE AVENUE  
DRAINAGE PIPE AND STRUCTURE  
TABLE  
SCALE: VERT. N/A  
DATE 5/22/2007  
DRAWN BY  
CHECKED BY

1 REV. 05-21-07

PLOT DATE = 5/22/2007  
PLOT SCALE = 50.000' / IN.  
USER NAME = dr-vakocsgn