CONTRACT NO. 62719

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

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

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

3. MANHOLE, TYPE A, 4' DIA.
TYPE 1, FRAME OPEN LID
STA. 96+06, 28' LT.
T.G. = 635.77
INV. = 630.32

4. MANHOLE, TYPE A, 4' DIA.
TYPE 1, FRAME OPEN LID
STA. 96+14, 24' RT.
T.G. = 635.83
INV. = 630.83

5. MANHOLE, TYPE A, 4' DIA.
TYPE 1, FRAME OPEN LID
STA. 96+25, 28' LT.
T.G. = 635.72
INV. = 630.22

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

17. CATCH BASIN, TYPE A, 4' DIA.
TYPE 23, FRAME AND GRATE
STA. 104+44, 24' RT.
T.G. = 632.43
INV. = 627.29

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

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

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

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

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

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

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

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

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

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

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

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

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

2. STORM SEWER, CL-A, TY.-1, 12"
STA. 95+21 (LATERAL)
28', 12" DIA. @ 1.5%
T.B. = 10 CU. YD.

3. STORM SEWER, CL-A, TY.-1, 12"
STA. 96+14 TO STA. 96+06 (LATERAL)
52', 12" DIA. @ 1.5%
T.B. = 38 CU. YD.

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

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

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

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

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

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.

10. STORM SEWER, CL-A, TY.-2, 12" (LATERAL)
STA. 98+45 TO STA. 98+58
24', 15" DIA. @ 1.5%
T.B. = 19 CU. YD.

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

12. STORM SEWER, CL-A, TY.-2, 12"
STA. 101-+92 TO STA. 101+86 (LATERAL)
55', 12" DIA. @ 0.5%
T.B. = 56 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.

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.

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.

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

14B. STORM SEWER, CL-A, TY.-2, 12"
STA. 103+12 (LATERAL) SOUTH
24', 12" DIA. @ 0.5%
T.B. = 20 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.

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

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

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

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

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

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

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

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

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.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

127TH STREET @ MAPLE AVENUE DRAINAGE PIPE AND STRUCTURE TABLE

SCALE: VERT. N/A HORIZ.
DATE 1/3/2007
DRAWN BY
CHECKED BY

PLOT DATE = 1/3/2007
FILE NAME = o:\projects\p182403\sh_drain.dgn
PLOT SCALE = 50.000 ' / IN.
USER NAME = drivalo.sgn