

DRAINAGE STRUCTURES:

FLAT TOP 1 CB, TY-A, 4' DIA  
W/ TY-23 F&G  
STA 39+81.2 (IL 171), 25.8' LT  
RIM 613.35  
INV MATCH EX 608.94 (E)  
INV 608.94 (W)

2 CB, TY-C  
W/ TY-23 F&G  
STA 41+35.4 (IL 171), 25.8' LT  
RIM 613.56  
INV 609.50 (NW)

FLAT TOP 3 MH, TY-A, 4' DIA  
W/ 9" RESTRICTOR  
W/ TY-1 FR & CLID  
STA 42+62.6 (IL 171), 29.0' LT  
RIM 614.30  
INV 609.54 (N)  
INV 609.54 (SW)  
INV 609.54 (NW)  
INV 609.54 (RESTRICTOR)  
OVERFLOW ELEVATION 613.11  
• NOTE: NOTE #3 IN DISTRICT DETAIL BD-12 SHALL BE DISREGARDED.

4 CB, TY-C  
W/ TY-23 F&G  
STA 42+70.6 (IL 171), 36.9' LT  
RIM 614.15  
INV 609.75 (SE)

FLAT TOP 5 MH, TY-A, 5' DIA  
W/ TY-1 FR & CLID  
STA 44+43.6 (IL 171), 27.4' LT  
RIM 614.48  
INV 609.80 (N)  
INV 609.80 (S)  
INV MATCH EX 609.84 (E)  
INV 610.30 (W)

6 CB, TY-C  
W/ TY-23 F&G  
STA 44+43.6 (IL 171), 35.5' LT  
RIM 614.32  
INV 610.45 (E)

FLAT TOP 7 MH, TY-A, 4' DIA  
W/ TY-1 FR & CLID  
STA 45+87.9 (IL 171), 19.4' LT  
RIM 614.85  
INV 611.08 (NW)  
INV 610.58 (S)  
INV MATCH EX (E)  
• NOTE: MANHOLE SHALL BE CONSTRUCTED TO A DEPTH OF 10'  
(TOP OF MASONRY TO TOP OF BOTTOM SLAB)

8 CB, TY-C  
W/ TY-23 F&G  
STA 46+14.6 (IL 171), 25.7' LT  
RIM 614.78  
INV 611.20 (SE)

9 CB, TY-C  
W/ TY-12 F&G  
STA 21+41.2 (FOREST AVE), 25.9' LT  
RIM 613.53  
INV MATCH EX (NE)

STORM SEWERS:

1 12" DIA SS, CL A, TY 2  
LENGTH = 7'  
SLOPE = 0.9%  
TBF = 2.4 CU. YD.

2 12" DIA SS, CL A, TY 2  
LENGTH = 12'  
SLOPE = 2.3%  
TBF = 3.1 CU. YD.

3 21" DIA SS, CL A, TY 2  
LENGTH = 26'  
SLOPE = 0.3%  
TBF = 10.8 CU. YD.

4 12" DIA SS, CL A, TY 2  
LENGTH = 11'  
SLOPE = 1.9%  
TBF = 3.3 CU. YD.

5 21" DIA SS, CL A, TY 1  
LENGTH = 181'  
SLOPE = 0.1%  
TBF = 47.5 CU. YD.

6 12" DIA SS, CL A, TY 2  
LENGTH = 8'  
SLOPE = 1.9%  
TBF = 2.1 CU. YD.

7 21" DIA SS, CL A, TY 1  
LENGTH = 144'  
SLOPE = 0.5%  
TBF = 31.7 CU. YD.

8 12" DIA SS, CL A, TY 1  
LENGTH = 27'  
SLOPE = 0.4%  
TBF = 5.0 CU. YD.

FILE NAME =	USER NAME = TariqM	DESIGNED -	REVISED -
ct:\pw\work\p1401\tariqm\d0315748\P1144	2-Design.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/31/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 171 AT FOREST AVE./RIDGEWOOD RD.			
PROPOSED DRAINAGE STRUCTURES AND STORM SEWERS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	03035-TS	COOK	87	36
				CONTRACT NO. 60X08
ILLINOIS FED. AID PROJECT				