STA 23+17L
5' CATCH BASIN TYPE A
WITH TYPE 8 F+G
RIM = 859.60
INV N = 856.80
INV S = 854.80

REGRADE EXISTING DITCHES FROM STA. 6+50 TO STA. 33+30 LT

REMOVE AND REPLACE EXISTING 2'X3' RCBC WITH PROPOSED 36" RCP
STA. 23+17
U.S. FL = 854.80
D.S. FL = 854.40

UTILIZE EXISTING STORM SEWERS WITH MINOR EXTENSIONS AND/OR ADJUSTMENTS OF EXISTING DRAINAGE STRUCTURES FROM STA. 26+86 TO STA. 34+30 LT

CHAMBERS DRIVE

4810 4808 4806 4804 4802 4801

12" RCP

REMOVE HEADWALL

INLET FILTER (TYP)

INLET AND PIPE PROTECTION (TYP)

INSTALL 80 LF
36" RCP @ 0.50%

2'X3' RCBC

36" RCP

ADJUST MANHOLE

INLET AND PIPE PROTECTION (TYP)

STA 23+17R
REMOVE AND REPLACE W/
5' CATCH BASIN TYPE A W/ TYPE 8 F+G
RIM = 859.20
INV N = 854.40
INV W = 854.40 (APPROX.)

24" RCP

12" RCP

15" RCP

INLET FILTER (TYP)

MATCHLINE 22+50

MATCHLINE 28+00

23+00 24+00 25+00 26+00 27+00

REGRADE EXISTING DITCHES
FROM STA. 21+43 TO STA. 33+15 RT

JEWEL/OSCO ENTRANCE

EXISTING & PROPOSED PALATINE ROAD ℄ PROFILE

PROPOSED SOUTH DITCH ℄ PROFILE

PROPOSED NORTH DITCH ℄ PROFILE

-1.0%

-1.0%

+0.5%

+0.63%

-0.5%

D/S END OF 12" RCP
OFFSITE STORM SEWER
AT STA. 23+17
INV. = 856.8

U/S END OF PR 36" RCP
CROSS ROAD CULVERT
AT STA. 23+17
INV. = 854.4

U/S END OF PR 36" RCP
CROSS ROAD CULVERT
AT STA. 23+17
INV. = 854.8

EXISTING CENTERLINE GRADE
PROPOSED SOUTH DITCH ℄ GRADE
PROPOSED NORTH DITCH ℄ GRADE

	23+00	24+00	25+00	26+00	27+00	28+00
EXISTING CENTERLINE GRADE	862.91	863.10	863.52	863.65	863.92	863.82
PROPOSED SOUTH DITCH ℄ GRADE	859.3	859.8	860.5	861.2		862.2
PROPOSED NORTH DITCH ℄ GRADE	859.5	860.0	860.5	860.0		862.7

PLAN: SURVEYED | DRAWN | ALIGNMENT CHECKED | NOTE BOOK | BY OF PLAN CHECKED | NO. | PROFILE NAME

PROFILE: SURVEYED | DRAWN | GRADES CHECKED | NOTE BOOK | B.M. NOTED | NO. | STRUCTURE NOTATIONS CHKD

DATE | BY

FILE NAME = Palatine Plan and Profile.dwg

DESIGNED – NMP	REVISED –	
DRAWN – NMP	REVISED –	
CHECKED – CJM	REVISED –	
DATE – 02-07-11	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Palatine Road Widening STP Project
Drainage, Utilities, Erosion & Sediment Control Plan

SCALE: 1" = 20' | SHEET NO. 4 OF 11 SHEETS | STA. 22+50 TO STA 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	41

CONTRACT. NO. 63749
ILLINOIS FED. AID PROJECT CMM 9003(492)