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

REMOVE EXISTING 15" RCP ACCESS CULVERT &
REPLACE WITH PROPOSED 18" RCEP
STA. 14+46 LT
U.S. ℄ = 860.00
D.S. ℄ = 859.70

CASTAWAY LANE

INSTALL 95 LF
18" RCEP @ 0.32%
INSTALL 2 FES

N

4810 4815 4831 483

18" RCEP

INLET AND PIPE PROTECTION (TYP)

INLET AND PIPE PROTECTION (TYP)

15" RCP

MATCHLINE 11+50

MATCHLINE 17+00

12+00 13+00 14+00 15+00 16+00 17+

INSTALL 18 LF
15" RCP @ 2.23%

INSTALL 24 LF
15" RCP @ 4.08%

INLET FILTER (TYP)

INLET AND PIPE PROTECTION (TYP)

INLET FILTER (TYP)

ADJ

ADJ

15" RCP

15" RCP

12" RCP

15" RCP

15" RCP

15" RCP

15" RCP

1610

1615

18" RCP

STA 14+24R
REMOVE AND REPLACE
w/ 4' MANHOLE TYPE A
w/ TYPE 1 F+G
RIM = 863.3
INV N = 858.67
INV W = 856.87
INV E = 857.07

STA 14+33R
4' CATCH BASIN TYPE A
w/ TYPE 23 F+G
RIM = 862.9
INV W = 857.48
INV E = 857.68

CASTAWAY LANE

INLET FILTER (TYP)

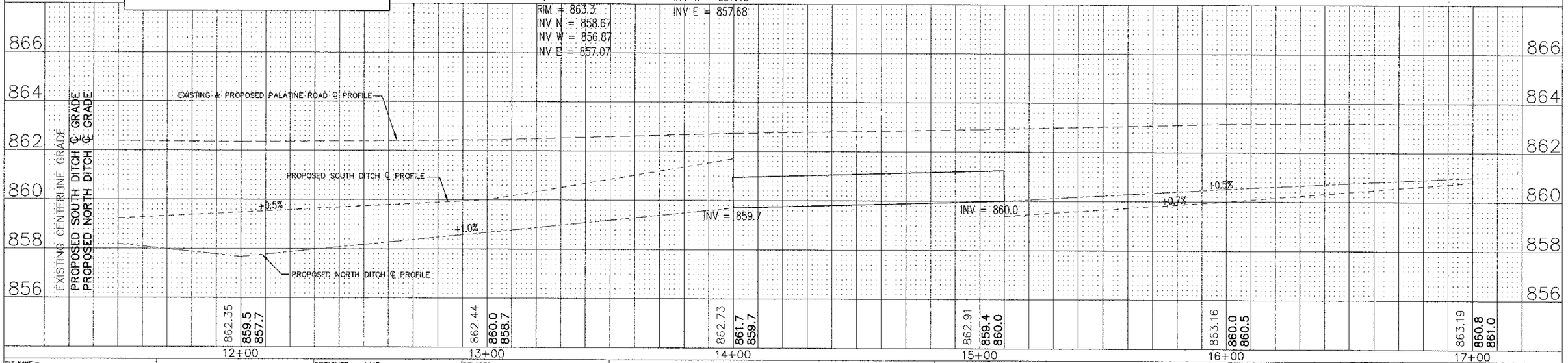
STA 14+58R
INLET TYPE A
w/ TYPE 23 F+G
RIM = 863.0
INV = 858.66

12" RCP

4778

RCP 18" RCP

REGRADE EXISTING DITCHES
FROM STA. 11+10 TO STA. 14+00 RT
FROM STA. 15+14 TO STA. 20+14 RT



PLAN — SURVEYED | PLOTTED | NOTE BOOK | NO. | ALIGNMENT CHECKED | ST. OF WAY CHECKED | CADFILE NAME

PROFILE — SURVEYED | PLOTTED | NOTE BOOK | NO. | CROSS SECTIONS CHKD | B.M. NOTED | 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. 2 OF 11 SHEETS | STA. 11+50 TO STA 17+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	09-00082-00-CH	Cook	97	39

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