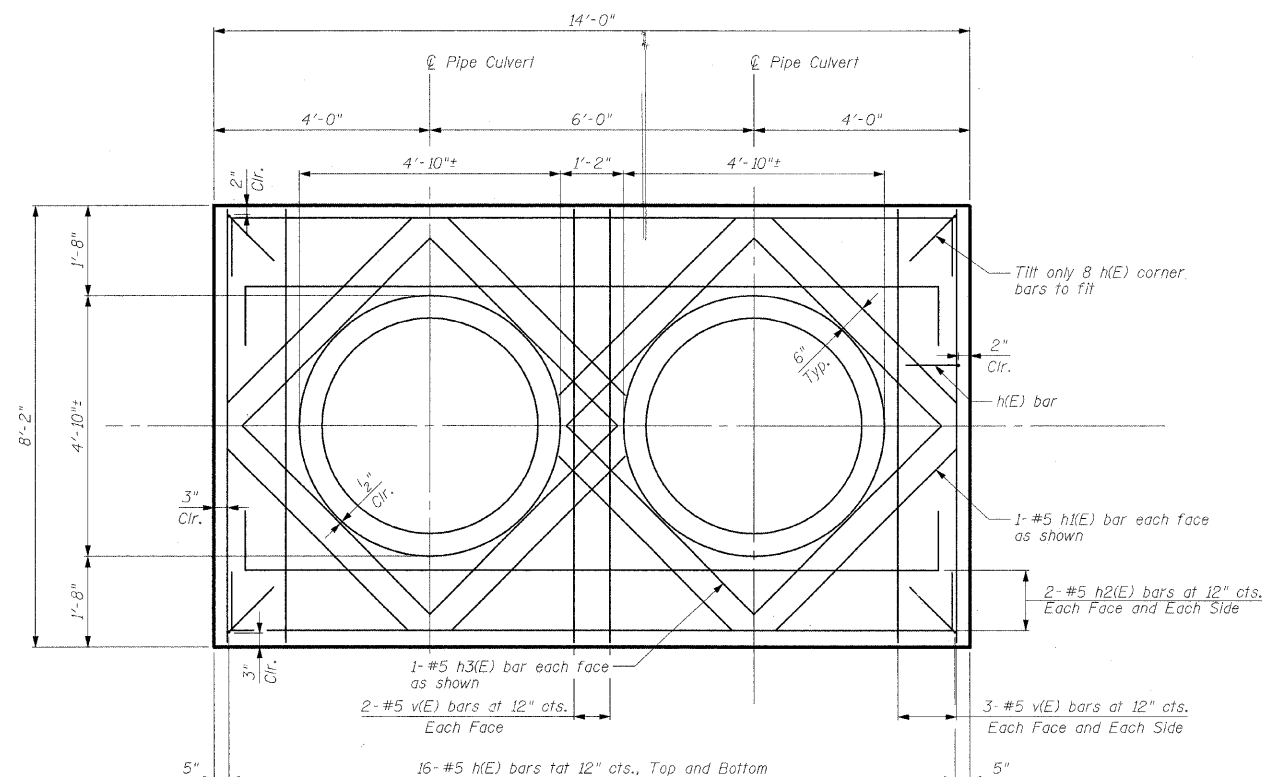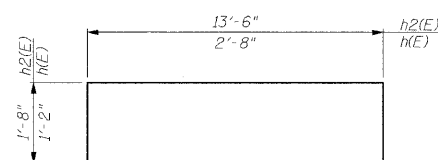| F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-BT	COOK	47	14A

Contract G3211

Note:
Provide felt paper wrap all around
pipe to serve as a bond breaker
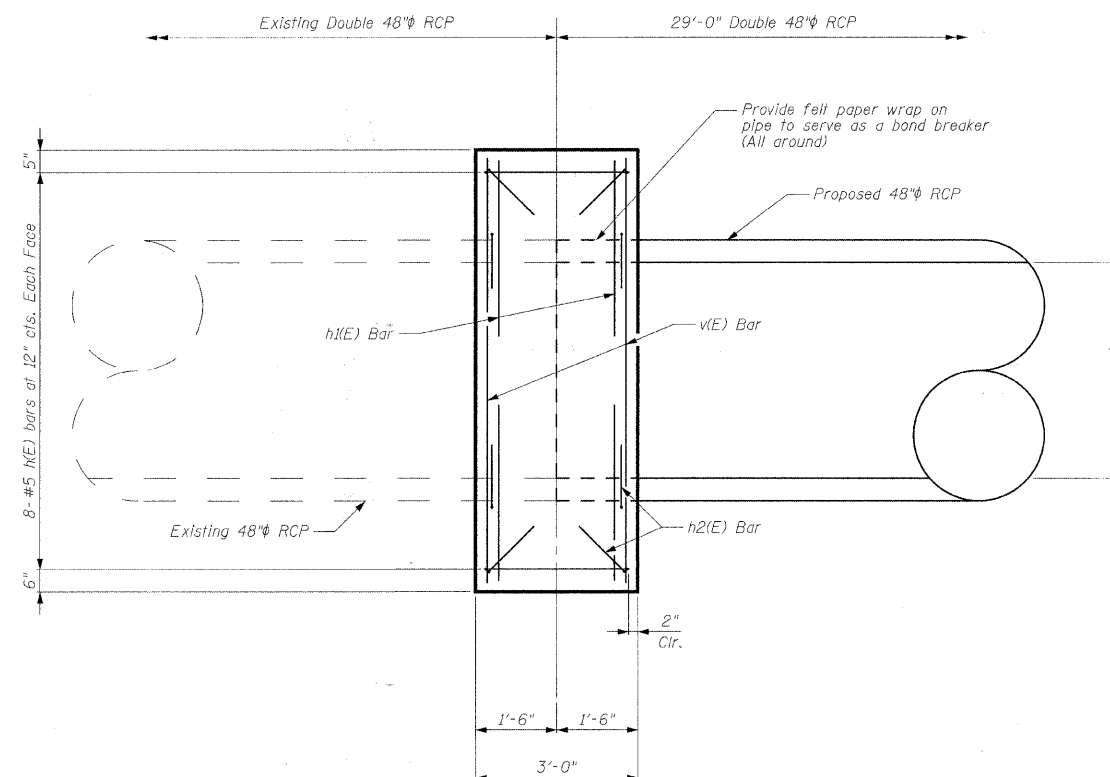within the vicinity of the proposed
concrete collar.

COLLAR FRONT VIEW
(Looking Upstream)

Tilt only 8 h(E) corner
bars to fit

2" Clr.

h(E) bar

1- #5 h1(E) bar each face
as shown

2- #5 h2(E) bars at 12" cts.
Each Face and Each Side

1- #5 h3(E) bar each face
as shown

2- #5 v(E) bars at 12" cts.
Each Face

3- #5 v(E) bars at 12" cts.
Each Face and Each Side

16- #5 h(E) bars tat 12" cts., Top and Bottom

BARS h(E) & h2(E)

COLLAR SIDE VIEW
(Facing East)

Existing Double 48"⌀ RCP

29'-0" Double 48"⌀ RCP

Provide felt paper wrap on
pipe to serve as a bond breaker
(All around)

Proposed 48"⌀ RCP

h1(E) Bar

v(E) Bar

8- #5 h(E) bars at 12" cts. Each Face

Existing 48"⌀ RCP

h2(E) Bar

REINFORCMING BAR SCHEDULE

Bar	No.	Size	Length	Shape
h(E)	48	#5	16'-10"	
h1(E)	16	#5	5'-0"	
h2(E)	8	#5	5'-0"	
h3(E)	16	#5	5'-2"	
v(E)	16	#5	7'-9"	

* Reinforcement Bars, Epoxy Coated	Pound	1,190
* Concrete Superstructure	Cu. Yd.	11.4

* Item(s) to be paid for under "Concrete Collar".

NOTES
Reinforcement Bars shall conform to the requirements of AASHTO M-31,
M-42 or M-53, Grade 60.
Bars indicated thus 12 x 4- #5 etc. indicates 12 lines of bars with 4
lengths per line.
Reinforcement bars designated (E) shall be epoxy coated.
All construction joints shall be bonded.

DESIGN STRESSES
fy = 65,000 psi (welded wire fabric)
f'c = 5,000 psi

URS
100 S. WACKER DR., SUITE 500   TEL (312)-939-1000
CHICAGO IL, 60606   FAX (312)-939-4198

VILLAGE OF HANOVER PARK
N.G.P.L. BIKE PATH

REINFORCED CONCRETE COLLAR
DETAILS

REVISIONS	
NAME	DATE

SCALE:
DATE:

DRAWN BY: VAP
CHECKED BY: YOO

Collar Details.dgn 9/1/2009 7:26:18 AM