**Corollary 2.3.8.** Let  $\Sigma \subset (M, \xi)$  be a convex hypersurface with dividing set  $\Gamma$ . Fix a contact form  $\beta$  on  $\Gamma$  such that  $\xi|_{\Gamma} = \ker \beta$  and consider  $\Gamma \times \mathbb{R}^2_{x,y}$  equipped with the contact form  $\alpha = \beta - ydx$ . Let  $D(R) \subset \mathbb{R}^2$  be the open disk of radius R. Then for any R > 0 there exists a contact embedding

$$j: (\Gamma \times D(R), \ker \alpha) \to (M, \xi)$$

such that  $j|_{\Gamma \times \{0\}} = \mathrm{id}_{\Gamma}$ .

Let Pyth contact form for  $(E \times R_{,5})$ . Then one can take  $P \cap P$  as contact form on P since  $d(P + ydt)(\partial_t, Y) = df(Y) \neq 0$  and  $(\partial_t, Y, > \oplus T)^{-1} = T_{,M}$ .

We construct a while differ.

Tx (-E,E)x /Rs -> M p, m, s -> F/n F/s p

(Yand Ot commute).

 $TY(\partial_{n}) = -nY$   $TY(\partial_{s}) = \partial_{t}$   $(\beta + fdt)(-nY \partial_{t}) = 1$ We also hrow  $Y \in \text{Ker dP, Ker B}$ From this one can follow

(P+fdt) = BIT + uds

For for some  $D(\varepsilon)$  true. We can embed  $T \times D(R) \longrightarrow T \times (-\xi, \varepsilon) \times IR$ , for any R by  $P, X, Y \longrightarrow P, \stackrel{E}{R} \times, \stackrel{R}{\varepsilon} Y$