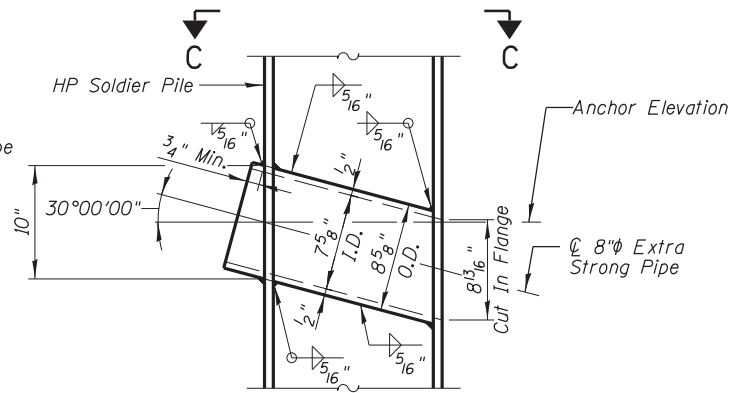
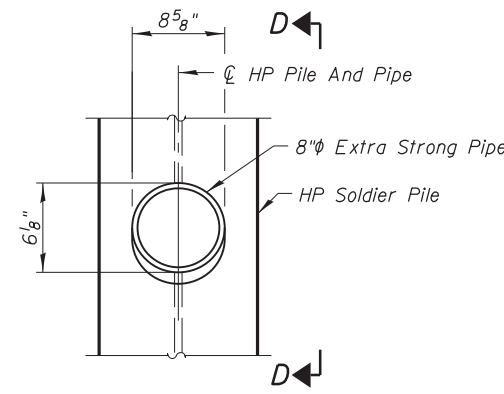


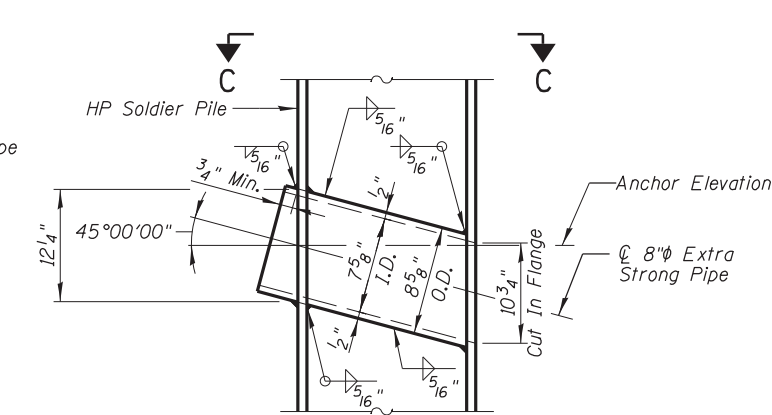
HP SECTION ELEVATION AT ANCHOR
(For Anchor Angle = 30°)



SECTION B-B
(For Anchor Angle = 30°)



HP SECTION ELEVATION AT ANCHOR
(For Anchor Angle = 45°)

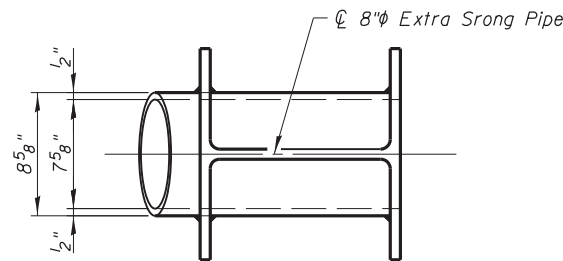


SECTION D-D
(For Anchor Angle = 45°)

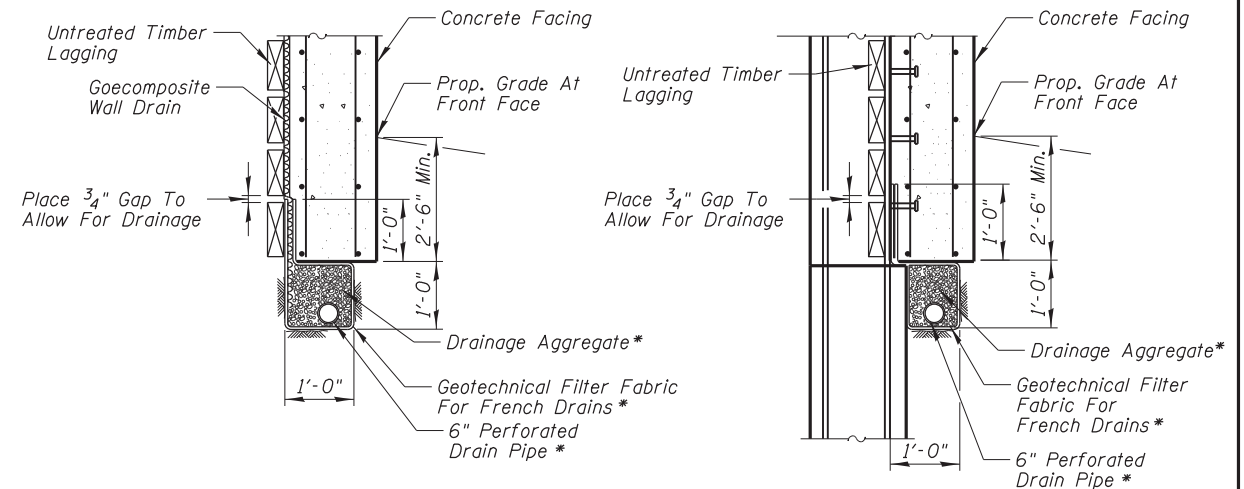
PILE DATA TABLE

Pile No.	Anchor Elevation	Anchor Angle (Degrees)	Load (Kips)
28 - 29	641.10	45*	30
30 - 31	640.85	45*	35
32 - 33	640.50	45*	40
34 - 35	640.25	45*	45
36 - 38	639.85	45*	55
39 - 41	639.35	30	55
42 - 44	638.85	30	50
45 - 46	638.55	30	55
47 - 50	638.15	30	65
51 - 54	637.65	30	70
55 - 58	637.15	30	80
59 - 63	636.90	30	85
64 - 66	637.35	30	75
67 - 68	637.85	30	65
69 - 70	638.40	30	50
71 - 72	639.00	30	40
73 - 74	639.75	45*	35
75 - 77	640.50	45*	20

* 45° Angle Is Proposed To Avoid Conflict With Existing ComEd Duct. The Exact Depth Of The Duct Is Unknown. The Angle Of The Proposed Tiebacks May Be Reduced To 30° If It Is Determined During Construction That The Existing Duct Will Not Be In Conflict With The Tieback.



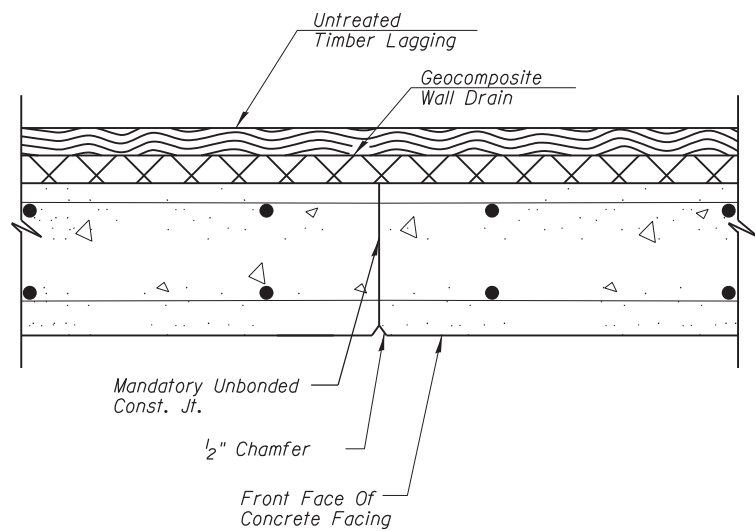
SECTION C-C



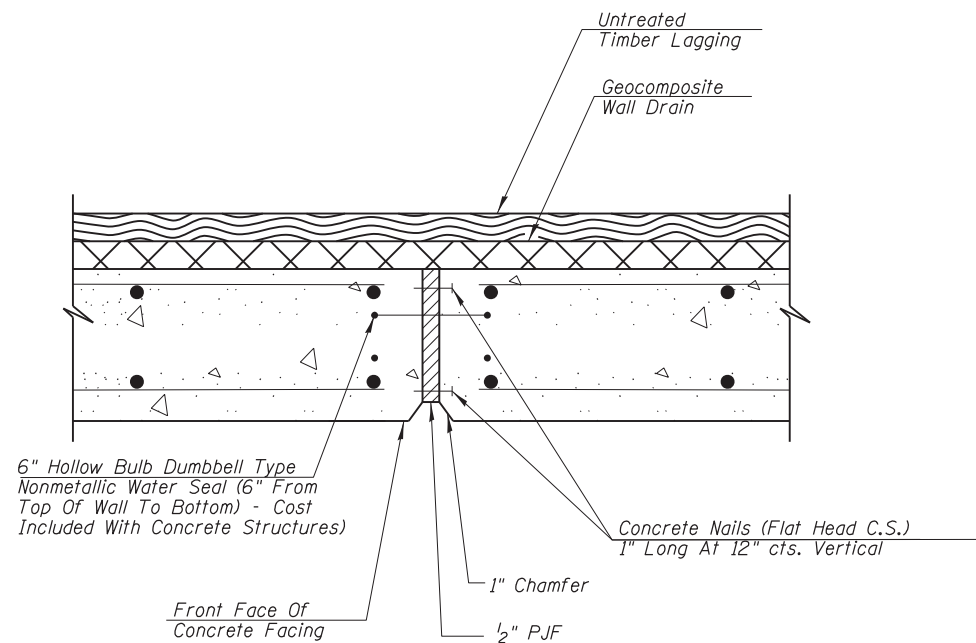
UNDERDRAIN DETAIL BETWEEN SOLDIER PILES

UNDERDRAIN DETAIL AT SOLDIER PILES

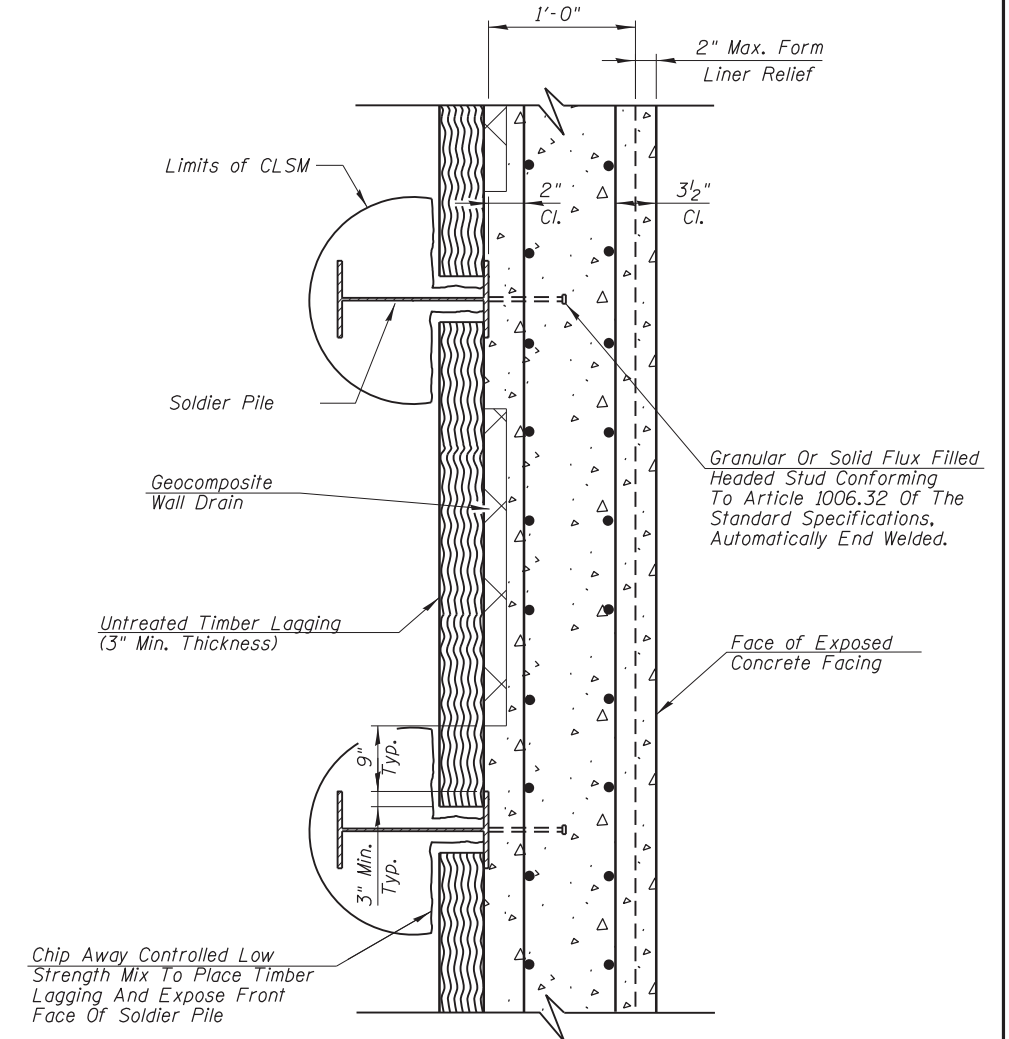
* Included In The Cost Of Pipe Underdrains For Structures 6"



WALL FACING - CONSTRUCTION JOINT
(Formliner Omitted For Clarity)



WALL FACING - EXPANSION JOINT
(Formliner Omitted For Clarity)



SECTION THRU DRILLED SOLDIER PILE WALL

N:\ROSEMONT\11000\CADD_Sheets\DI160037-shr-wall-09-cb.dgn

CHRISTOPHER B. BURKE ENGINEERING, LTD.
8575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 924-8900

USER NAME =	DESIGNED - JMB	REVISED
PLOT SCALE =	CHECKED - MM	REVISED
PLOT DATE =	DRAWN - PDR	REVISED
	CHECKED - MM	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS
WEST RETAINING WALL - STRUCTURE NO. 016-1400**

SHEET NO. S-9 OF S-13 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	398
CONTRACT NO. 60G37				

ILLINOIS FED. AID PROJECT