

Cherne, Curtis

From: Ric Rodarte [ricr@iacivil.com]
Sent: Tuesday, February 15, 2011 9:48 AM
To: Cherne, Curtis
Cc: 'Fred Arfman'; 'Genny Donart'
Subject: Ingersoll Rand Building - San Diego Ave NE - Storm Drain Capacity
Attachments: 1742 SD CAPACITY.pdf

Curtis,

Per Fred Arfman's request, attached you will find the calculations for the capacity of the existing storm drain for the referenced project.

Let me know if you have any questions.

Thanks,

Ric Rodarte

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2/15/2011

Storm Sewer Tabulation

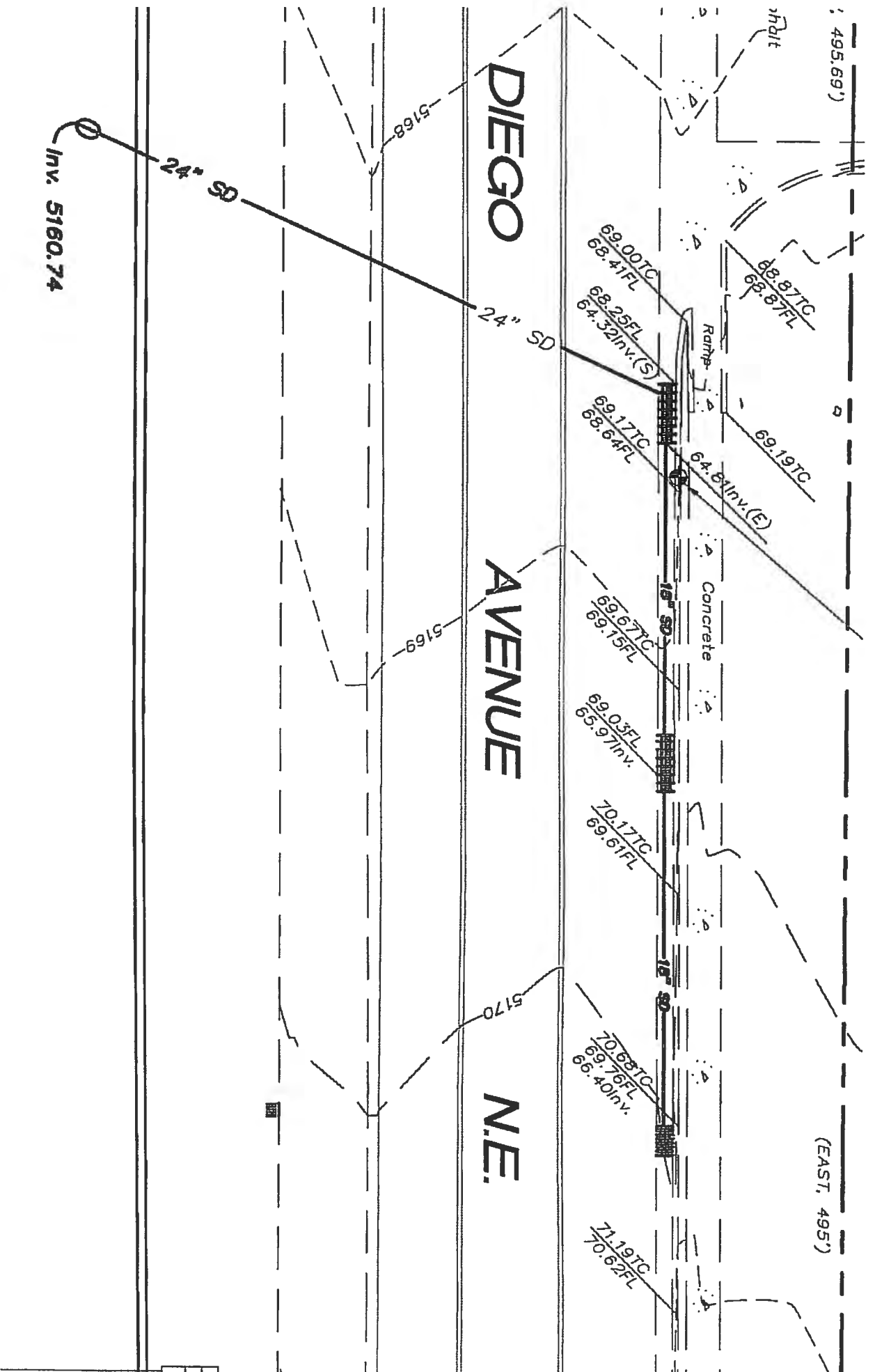
Station	Len	Drng Area		Rinoff coeff	Area x C		Tc		Rain (l)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rlm Elev		Line ID
		Incr	Total		Incr	Total	Inlet	Syst					Size	Slope	Dn	Up	Dn	Up	Dn	Up	
Line	To Line	(ft)	(ac)	(ac)	(C)		(min)	(min)	(in/hr)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	End	76.900	0.00	0.00	0.00	0.00	0.0	0.4	0.0	48.80	48.80	15.56	24	4.66	60.74	64.32	62.72	66.30	62.74	68.25	
2	1	35.174	0.00	0.00	0.00	0.00	0.0	0.2	0.0	19.07	19.07	10.80	18	3.30	64.81	65.97	66.30	67.47	68.25	69.03	
3	2	40.406	0.00	0.00	0.00	0.00	0.0	0.0	0.0	10.83	10.83	6.13	18	1.06	66.97	66.40	68.38	68.81	69.03	69.76	

Project File: 1742.stm

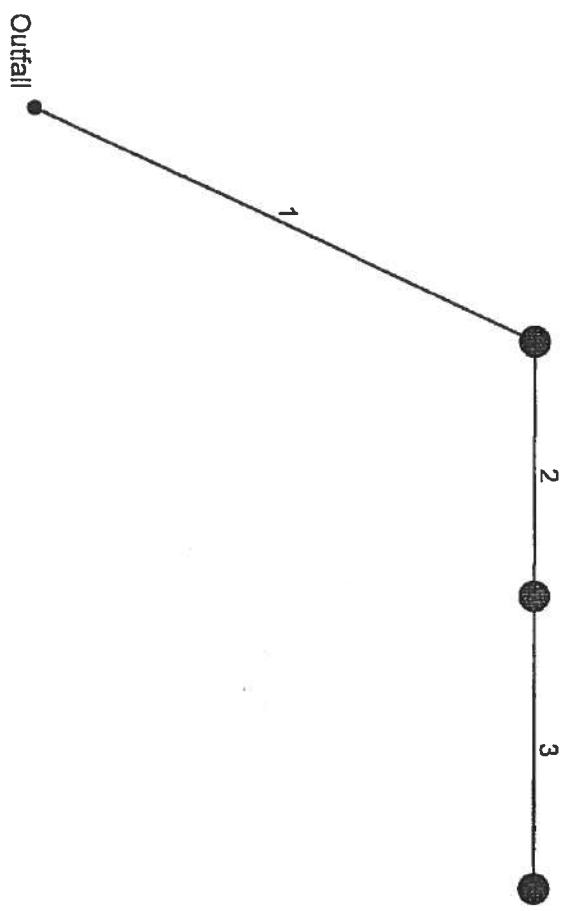
Number of lines: 3

Run Date: 02-15-2011

NOTES: Intensity = 69.87 / (inlet time + 13.10) ^ 0.87; Return period = 2 Yrs. ; Total flows limited to full flow capacities. ; c = cir e = ellip b = box



Hydraflow Storm Sewers Extension for AutoCAD® Civil 3D® 2009 Plan



Project File: 1742.slm	Number of lines: 3	Date: 02-15-2011
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Storm Sewer Profile

Proj. file: 1742.stm

