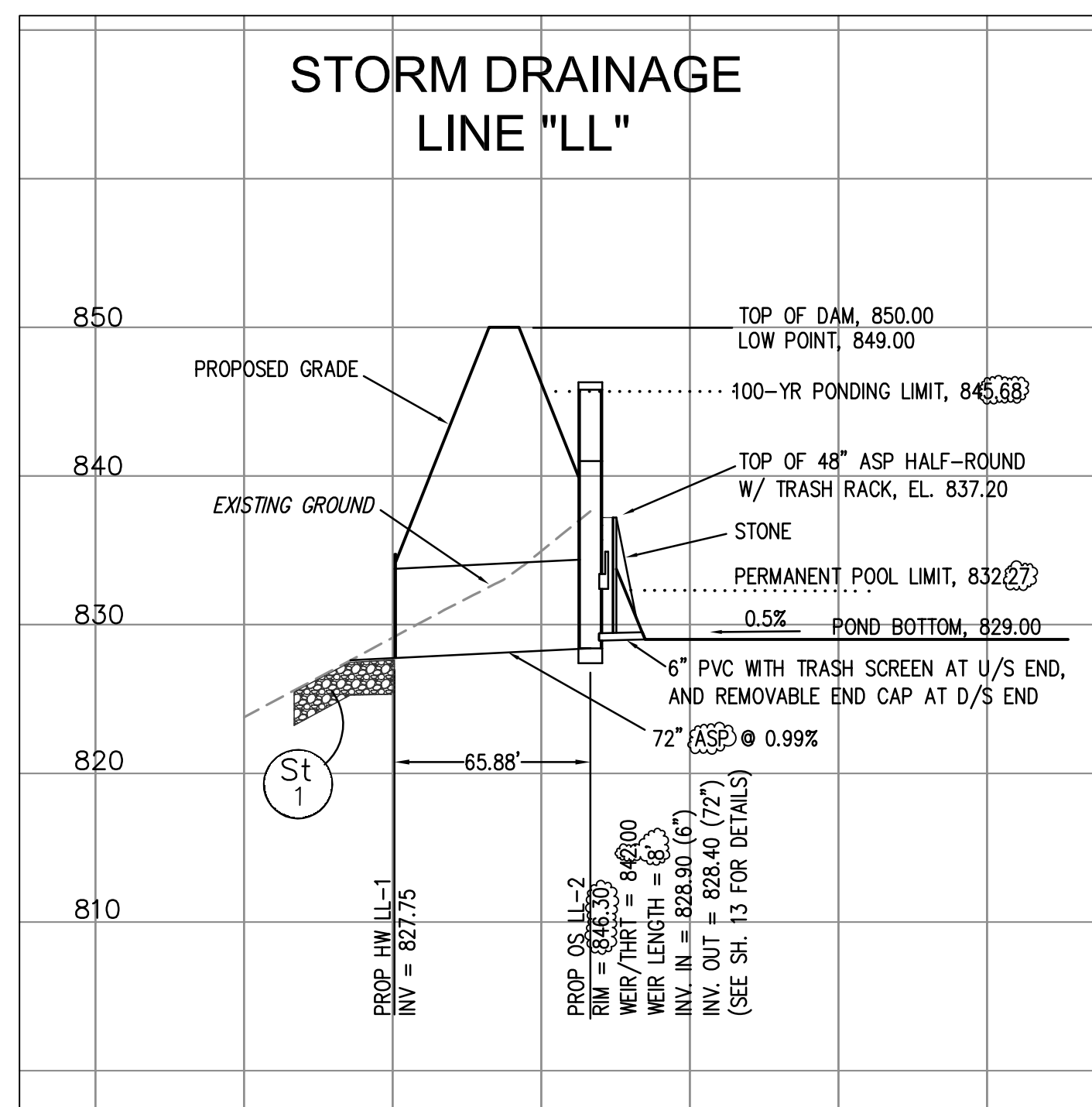
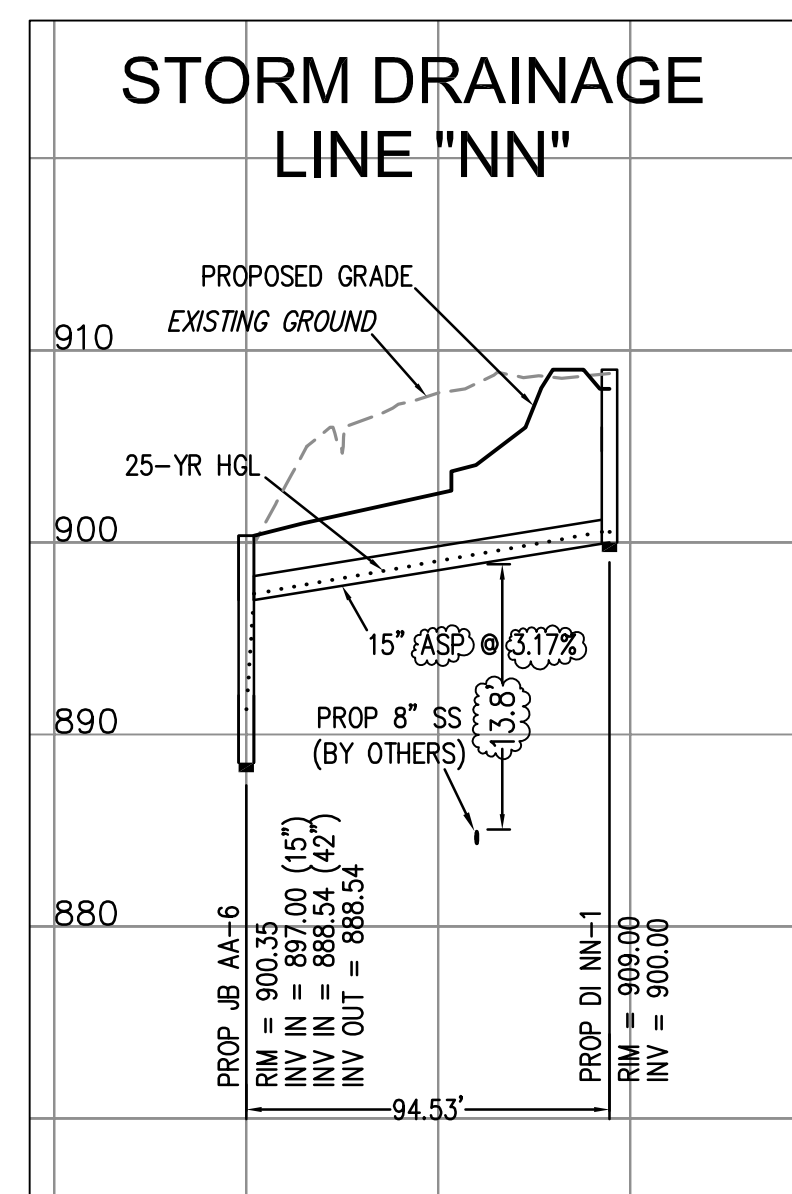
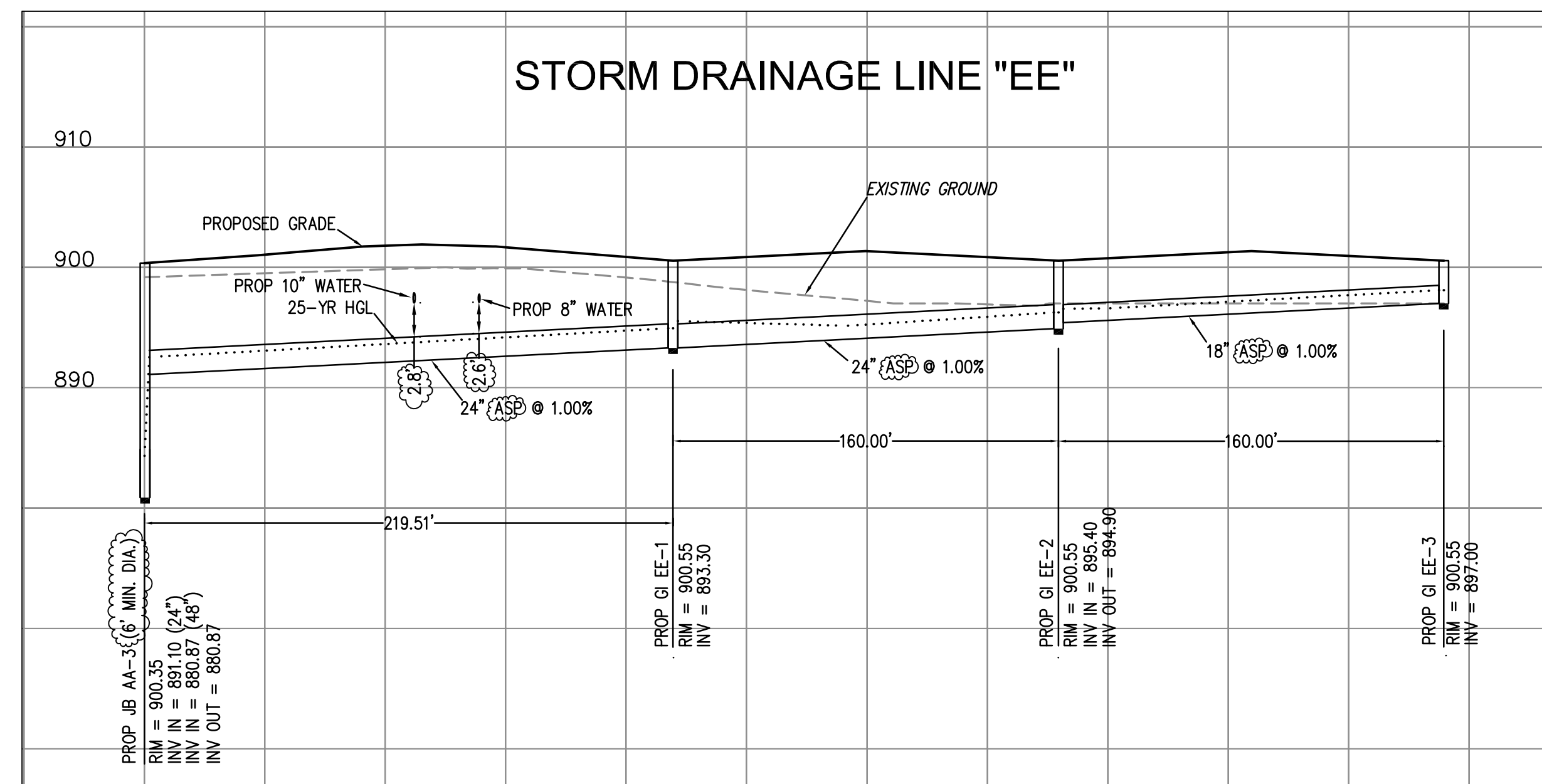
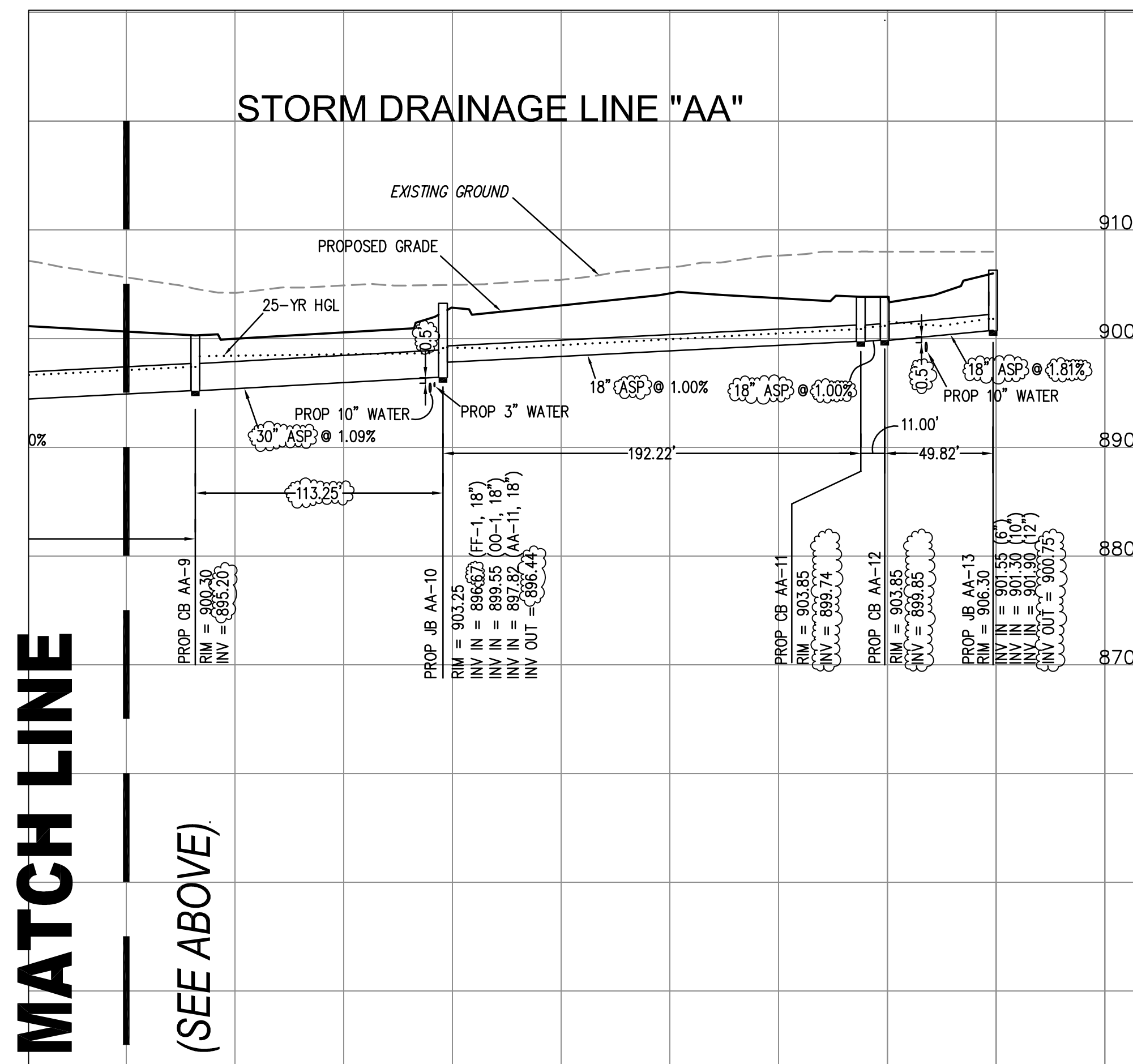


PIPE CHART
DESIGN FREQUENCY = 25-YEAR

ID	Size (in)	n-value	Runoff Coeff C	Adj. Runoff Coeff Cf = C * C (Cf = 1.1)	Intensity (in/hr)	Drainage Area (ac)	Total Area (ac)	Known Q (cfs)	Total Runoff (cfs)	Flow Rate (cfs)	Slope (%)	Sf (%)	Velocity (ft/s)	Tc (min)	Length (ft)	
AA 2-1	60	0.012	0.95	1.00	6.94	0.7	34.8	32.33	0	224.28	224.28	1.05	0.58	12.34	9.9	680.97
AA 3-2	48	0.012	0.00	0.00	7.10	0.0	20.6	18.94	0	134.57	134.57	1.00	0.68	11.18	9.1	413.73
A 4-3	48	0.012	0.80	0.88	7.23	2.7	17.9	16.24	0	117.47	117.47	1.01	0.58	10.12	8.6	268.41
AA 5-4	48	0.012	0.80	0.88	7.40	3.4	15.2	13.86	0	102.65	102.65	1.00	0.48	9.17	7.9	303.26
AA 6-5	42	0.012	0.00	0.00	7.48	0.0	11.8	10.87	0	81.36	81.36	1.00	0.56	9.64	7.6	142.58
AA 7-6	42	0.012	0.90	0.99	7.58	2.9	11.3	10.65	0	80.73	80.73	1.00	0.54	9.33	7.2	167.16
AA 8-7	36	0.012	0.90	0.99	7.69	2.3	8.4	7.78	0	59.85	59.85	0.99	0.65	9.31	6.8	200.00
AA 9-8	30	0.012	0.90	0.99	7.80	2.4	6.1	5.50	0	42.95	42.95	1.00	0.84	9.37	6.4	200.00
AA 10-9	30	0.012	0.00	0.00	7.92	0.0	3.7	3.13	0	24.76	24.76	1.09	0.29	5.20	6.1	113.25
AA 11-10	18	0.012	0.70	0.77	8.12	0.4	1.2	1.07	0	8.70	8.70	1.00	0.61	5.65	5.4	192.22
AA 12-11	18	0.012	0.80	0.88	8.13	0.3	0.8	0.76	0	6.21	6.21	1.00	0.27	3.57	5.4	11.00
AA 13-12	18	0.012	0.95	1.00	8.25	0.5	0.5	0.50	0	4.12	4.12	1.00	0.30	3.41	5.0	49.82
BB1-AA2	42	0.012	0.90	0.99	7.47	1.1	9.8	8.99	0	67.17	67.17	0.99	0.66	10.04	7.7	260.86
BB 2-1	42	0.012	0.90	0.99	7.52	2.6	8.7	7.91	0	59.42	59.42	0.99	0.29	6.87	7.5	68.77
BB 3-2	36	0.012	0.90	0.99	7.78	1.6	5.8	5.21	0	40.55	40.55	0.99	0.63	8.36	6.5	40.97
BB 4-3	30	0.012	0.90	0.99	7.89	3.0	4.2	3.63	0	28.63	28.63	1.00	0.47	6.92	6.2	131.12
BB 5-4	18	0.012	0.50	0.55	8.25	1.2	1.2	0.66	0	5.44	5.44	1.08	0.37	4.17	5.0	212.73
DD1-AA2	30	0.012	0.95	1.00	8.00	1.1	3.7	3.70	0	29.59	29.59	1.00	0.79	6.71	5.8	413.53
DD 2-1	24	0.012	0.95	1.00	8.12	1.1	2.6	2.60	0	21.12	21.12	1.00	0.79	7.91	5.4	160.00
DD 3-2	18	0.012	0.95	1.00	8.25	1.5	1.5	1.50	0	12.37	12.37	1.00	1.18	7.00	5.0	160.00
EE1-AA3	24	0.012	0.95	1.00	7.89	0.9	2.7	2.70	0	21.29	21.29	1.00	0.88	8.27	6.2	219.51
EE 2-1	24	0.012	0.95	1.00	8.06	0.8	1.8	1.80	0	14.52	14.52	1.00	0.45	5.53	5.6	160.00
EE 3-2	18	0.012	0.95	1.00	8.25	1.0	1.0	1.00	0	8.25	8.25	1.00	0.63	5.81	5.0	160.00
FF1-AA10	18	0.012	0.70	0.77	8.07	0.6	1.5	1.06	0	8.53	8.53	1.01	0.56	4.82	5.5	47.64
FF 2-1	18	0.012	0.60	0.66	8.25	0.9	0.9	0.59	0	4.90	4.90	1.49	0.19	5.77	5.0	30.38
GG 2-1	18	0.012	0.95	1.00	6.52	1.9	40.3	37.76	0	246.22	330.62	0.99	0.50	12.92	11.9	40.34
GG 3-2	18	0.012	0.95	1.00	6.56	2.5	28.6	26.06	0	171.05	255.45	0.98	0.48	11.74	11.7	133.54
GG 4-3	66	0.012	0.95	1.00	6.67	2.5	26.1	23.56	0	157.24	241.64	1.00	0.44	11.33	11.1	622.58
GG 5-4	66	0.012	0.00	0.00	6.80	0.0	23.6	21.06	0	143.20	227.60	0.95	0.41	10.89	10.5	338.48
GG 6-5	42	0.012	0.77	0.85	7.07	1.2	7.9	6.55	0	46.37	67.17	1.00	0.68	9.85	9.3	98.17
GG 7-6	42	0.012	0.92	1.00	7.30	1.2	6.7	5.53	0	40.41	61.21	1.00	0.40	7.54	8.3	349.57
GG 8-7	42	0.012	0.83	0.91	7.43	1.9	5.5	4.33	0	32.21	53.01	1.00	0.33	7.03	7.8	163.77
GG 9-8	36	0.012	0.65	0.72	7.66	0.4	1.8	0.90	0	6.86	27.66	1.29	0.27	5.57	6.9	200.25
HH1-GG5	42	0.012	0.92	1.00	8.16	3.3	4.5	4.48	0	36.53	36.53	0.50	0.11	3.80	5.3	343.63
HH 2-1	30	0.012	0.89	0.98	8.25	1.2	1.2	1.18	0	9.70	9.70	0.50	0.05	1.98	5.0	31.97
JJ1-GG8	18	0.012	0.86	0.95	8.25	1.8	1.8	1.71	0	14.11	14.11	1.02	1.54	7.98	5.0	53.93
KK1-GG2	42	0.012	0.95	1.00	7.90	2.5	9.8	9.80	0	77.39	77.39	1.00	0.72	10.43	6.1	100.00
KK 2-1	36	0.012	0.95	1.00	7.96	2.9	7.3	7.30	0	58.11	58.11	1.00	0.61	8.91	5.9	100.00
KK 3-2	30	0.012	0.95	1.00	8.03	2.2	4.4	4.40	0	35.35	35.35	1.00	0.65	7.83	5.7	99.75
KK 4-3	24	0.012	0.95	1.00	8.25	2.2	2.2	2.20	0	18.15	18.15	0.50	0.55	5.78	5.0	232.23
NN1-AA6	15	0.012	0.40	0.44	8.25	0.5	0.5	0.22	0	1.81	1.81	3.17	1.81	5.41	5.0	34.53
OO1-AA10	18	0.012	0.95	1.00	8.25	1.0	1.0	1.00	0	8.25	8.25	1.21	0.94	6.76	5.0	119.92
PP1-BB2	15	0.012	0.35	0.39	8.25	0.3	0.3	0.12	0	0.97	0.97	1.02	0.02	0.86	5.0	116.35
QQ 2-1	18	0.012	0.9	0.99	7.82	0.4	1.7	1.40	0	10.93	10.93	1.00	0.842	6.66	6.4	37.77
QQ 3-2	18	0.012	0.7	0.77	8.25	1.3	1.3	1.00	0	8.26	8.26	0.77	0.6	5.32	5	383.62
RR1-BB	24	0.012	0.80	0.88	7.32	2.6	3.1	2.68	0	19.60	19.60	1.00	0.85	8.04	8.2	198.49
WW 2-1	18	0.012	0.71	0.78	8.25	0.5	0.5	0.39	0	3.22	3.22	1.48	0.26	2.96	5.0	354.07
BA4-GG5	60	0.012	0.74	0.81	6.93	1.0	11.2	10.03	0	69.54	133.14	0.50	0.21	6.89	9.9	250.57
B 5-4A	60	0.023	0.92	1.00	7.04	2.9	10.2	9.22	0	64.90	128.50	1.15	0.72	6.76	8.4	184.71
B 6-5	60	0.023	0.00	0.00	7.14	0.0	7.3	6.32	0	45.12	108.72	1.17	0.77	7.19	9.0	143.01
B 7-6	54	0.023	0.74	0.81	8.25	2.9	2.9	2.35	51.7	19.38	71.08	0.88	0.41	4.75	5.0	174.01
V1-B6	36	0.02	0.92	1.00	7.18	1.1	4.4	3.97	0	28.55	40.45	1.92	1.64	8.53	8.8	72.54
W1-V1	30	0.019	0.00	0.00	7.25	0.0	3.3	2.87	0	20.83	32.73	5.19	1.46	7.40	8.5	108.24
W 2-1	30	0.019	0.00	0.00	7.95	0.0	0.2	0.20	0	1.56	13.46	0.97	0.29	3.26	5.9	146.18
W2A-W2	30	0.019	0.89	0.98	7.97	0.2	0.2	0.20	0	1.56	13.46	0.81	0.27	3.36	5.9	12.41
W3-W2A	30	0.019	0.00	0.00	0.00	0.0	0.0	0.00	11.9	0.00	11.90	1.10	0.57	4.12	5.0	127.03
X7-GG9	30	0.019	0.35	0.39	7.92	1.3	1.4	0.61	0	4.81	25.61	1.07	1.07	6.67	6.0	277.98
X 8-7	30	0.019	0.00	0.00	8.21	0.0	0.1	0.10	0	0.62	21.62	0.95	0.89	5.90	5.1	248.25
X 9-8	30	0.019	0.95	1.00	8.25	0.1	0.1	0.10	20.8	0.82	21.62	2.44	0.88	5.83	5.0	27.00

*ADDITIONAL FLOWS FROM OFFSITE DRAINAGE AREAS ARE PER THE APPROVED "GRADING PLANS FOR PHASE ONE, JEFFERSON DISTRIBUTION CENTER", PREPARED BY DEVELOPMENT CONSULTANTS GROUP, INC., DATED 10/16/07, AND LAST REVISED 7/20/08.



SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

NOTE: MIN. DIAMETER OF CATCH BASINS IS 4' UNLESS OTHERWISE NOTED.

OWNER:
HomeGoods, Inc.
770 Cochituate Road
Framingham, Massachusetts 01701
Telephone: (508) 390-5765

ISSUE NO. 4 8/12/13 ADDRESS ADDITIONAL JCWSA COMMENTS
ISSUE NO. 3 8/12/13 ADDRESS ADDITIONAL CITY COMMENTS
ISSUE NO. 2 7/22/13 ADDRESS COMMENTS

PREPARED BY:

Engineers

2302 Paper Chase Drive
Lawrenceville, Georgia 30043
Telephone: (770) 831-9122

STORM DRAINAGE PROFILES For JEFFERSON DISTRIBUTION CENTER: HOMEGOODS DISTRIBUTION CENTER			
DESIGNED: TDK	TOTAL PROJECT AREA = 104,686 AC.	11	OF
DRAWN: MTN	DISTURBED AREA = 83.42 AC.	14	
CHECKED: TDK	TAX PARCELS 078-603, 078-099, AND 078-010		
APPROVED: TDK	G.M.D. 455		
DATE: 6/24/13	CITY OF JEFFERSON,		
SCALE: AS SHOWN	JACKSON COUNTY		
JOB # 07013			