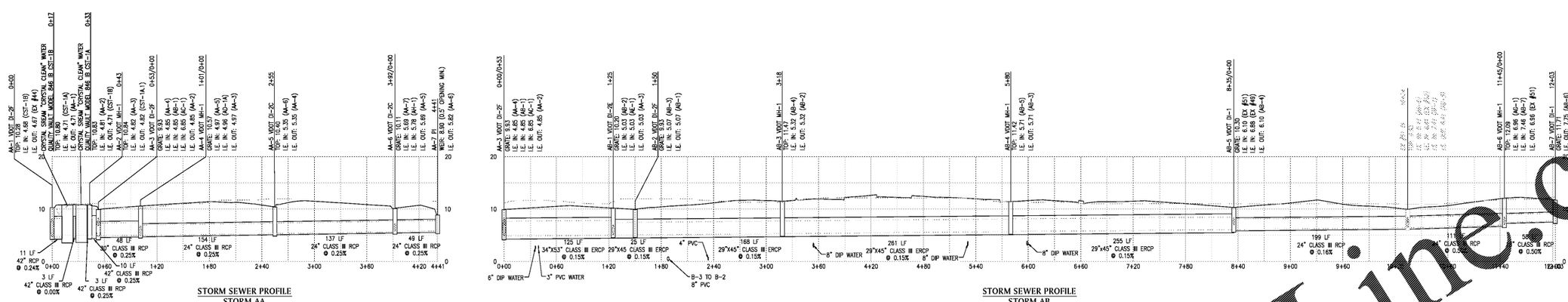
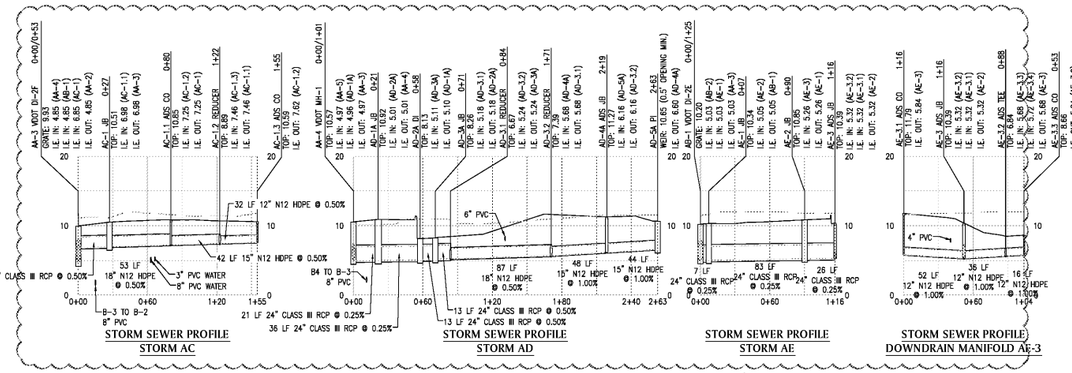


STORM SEWER PROFILE
STORM AA

STORM SEWER PROFILE
STORM AB

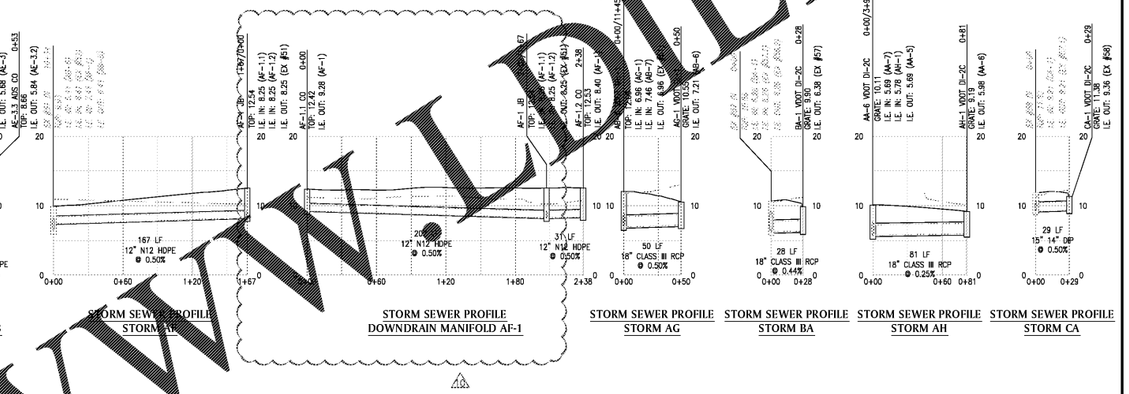


STORM SEWER PROFILE
STORM AC

STORM SEWER PROFILE
STORM AD

STORM SEWER PROFILE
STORM AE

STORM SEWER PROFILE
DOWNDRAIN MANIFOLD AE-3



STORM SEWER PROFILE
STORM AF

STORM SEWER PROFILE
DOWNDRAIN MANIFOLD AF-1

STORM SEWER PROFILE
STORM AG

STORM SEWER PROFILE
STORM BA

STORM SEWER PROFILE
STORM AH

STORM SEWER PROFILE
STORM CA

PROFILE LEGEND

.....	EXISTING GRADE
———	PROPOSED GRADE
0 5 10	VERTICAL SCALE: 1=10
0 30 60	HORIZONTAL SCALE: 1=60

PROPOSED 10-YR STORM INLET CHART

LineNo.	Inlet ID	Area (ac)	InletTime (min)	Int. (in/hr)	Runoff Coeff. (C)	Q=CIA (cfs)	Q Carryover (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GrateArea (sqft)	GrateLength (ft)	GrateWidth (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	LocalDepr. (in)	InletDepth (ft)	BypassDepth (ft)	BypassSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	BypassLine No.
1	EX #44	0.68	[illegible]	4	0.94	[illegible]	0	2.56	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.21	n/a	n/a	0.21	22.67	Sag
2	AA-1	[illegible]	[illegible]	[illegible]	0.88	0.84	0	0.84	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.1	n/a	n/a	0.1	12.1	Sag
8	AA-3	0.21	5	[illegible]	0.86	0.72	0	0.72	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.09	n/a	n/a	0.09	11.07	Sag
9	AB-[illegible]	0.04	5	[illegible]	0.86	0.14	0	0.14	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.03	n/a	n/a	0.03	4.78	Sag
10	AB-2	0.25	[illegible]	4	0.89	0.89	0	0.89	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.11	n/a	n/a	0.11	12.47	Sag
12	AB-5	1.15	[illegible]	4	0.9	4.14	0	4.14	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.3	n/a	n/a	0.3	31.79	Sag
14	[illegible]	[illegible]	5	4	0.91	4.4	0	4.4	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.3	n/a	n/a	0.3	31.7	Sag
15	EX #[illegible]	[illegible]	5	4	0.87	2.89	0	2.89	0	Dp-Grate			5.06	2.53	2	Sag	1.5	0.02	0.02		0.22	n/a	n/a	0.22	24.42	Sag
16	EX #5[illegible]	0.09	5	4	0.93	0.33	0	0.33	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.05	n/a	n/a	0.05	7.33	Sag
17	[illegible] #53	0.3	5	4	0.9	1.08	0	1.08	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.12	n/a	n/a	0.12	13.63	Sag
[illegible]	EX #49	1.4	5	4	0.74	4.14	0	4.14	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.29	n/a	n/a	0.29	30.52	Sag
[illegible]	EX #49.1	0.38	5	4	0.79	1.2	0	1.2	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.12	n/a	n/a	0.12	14.48	Sag
24	AB-7	0.39	5	4	0.87	1.36	0	1.36	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.14	n/a	n/a	0.14	15.99	Sag
25	EX #54	0.33	5	4	0.84	1.11	0	1.11	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.12	n/a	n/a	0.12	13.84	Sag
30	AG-1	0.5	5	4	0.89	1.78	0	1.78	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.17	n/a	n/a	0.17	18.82	Sag
33	AD-2A	0.12	5	4	0.95	0.46	0	0.46	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.07	n/a	n/a	0.07	8.59	Sag
38	AD-5A	0.47	5	4	0.95	1.79	0	1.79	0	Dp-Curb	6	10.5	....	....	....	Sag	....	0.02	0.02	....	0.15	n/a	n/a	0.15	7.37	Sag
39	AA-5	0.33	5	4	0.79	1.04	0	1.04	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.12	n/a	n/a	0.12	13.68	Sag
40	AA-6	0.17	5	4	0.57	0.39	0	0.28	0.11	Dp-Grate	....	....	....	2.5	1.67	0.005	1.5	0.02	0.02	....	0.08	0.08	9.6	0.08	9.6	42
41	AA-7	1.13	5	4	0.95	4.29	0	4.29	0	Dp-Curb	6	10.5	....	....	....	Sag	....	0.02	0.02	....	0.26	n/a	n/a	0.26	13.23	Sag
42	AH-1	0.17	5	4	0.53	0.36	0.11	0.47	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.07	n/a	n/a	0.07	8.75	Sag
50	EX #43	0.49	5	4	0.95	1.88	0	1.86	0	Dp-Grate		....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.17	n/a	n/a	0.17	18.73	Sag
51	EX #42	0.06	5	4	0.9	0.22	0	0.22	0	Dp-Grate			5.06	2.53	2	Sag	1.5	0.02	0.02		0.04	n/a	n/a	0.04	5.98	Sag
53	EX #57	0.22	5	4	0.81	0.71	0	0.71	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.09	n/a	n/a	0.09	10.82	Sag
55	EX #58	0.11	5	4	0.81	0.36	0	0.36	0	Dp-Grate	....	....	5.06	2.53	2	Sag	1.5	0.02	0.02	....	0.06	n/a	n/a	0.06	7.55	Sag
56	CA-1	0.53	5	4	0.87	1.84	0	1.84	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.18	n/a	n/a	0.18	19.24	Sag
57	BA-1	1.1	5	4	0.88	3.87	0	3.87	0	Dp-Grate	....	....	4.18	2.5	1.67	Sag	1.5	0.02	0.02	....	0.29	n/a	n/a	0.29	30.48	Sag
58	EX #56.1	0.71	5	4	0.71	2.02	0	2.02	0	Comb.	5.5	2.53	5.06	2.53	2	Sag	1.5	0.08	0.02	0	0.28	n/a	n/a	0.28	9.49	Sag
59	EX #56	0.02	5	4	0.21	0.02	0	0.02	0	Dp-Grate			5.06	2.53	2	Sag	1.5	0.02	0.02		0.01	n/a	n/a	0.01	2.72	Sag

Project File: 2014169-Storm-PH I-PROPOSED-INLET.stm

NOTES: Intensity = 4.039 / (Inlet time + 5.5)^0.004; Return Period = 10 Yrs

Hydraflow Storm Sewers v10.40

NOTE: PIPE CHART IS FOR REFERENCE ONLY AND PROFILES TAKE PRECEDENCE OVER PIPE CHART

Order Plans @ WWW.LDILine.com

LAND PLANNERS
ENGINEERS • SURVEYORS
TRANSPORTATION
LANDSCAPE ARCHITECTS
PAULSON MITCHELL
INCORPORATED
855 MILL STREET
SUITE 200
ROSWELL, GEORGIA 30075
VOICE 770.650.7685
FAX 770.650.7684
www.paulsonmitchell.com

PROJECT:

RIVERPOINTE PLAZA PHASE 2

1048 & 1050 W. MERCURY BLVD.
HAMPTON, VIRGINIA 23666

FOR:

KB RIVERDALE, LLC

2743 PERIMETER PARKWAY
BLDG. 100, SUITE 370
AUGUSTA, GA 30909
PH. (706) 854-6714

REVISIONS

3	08.10.16	CITY COMMENTS
4	10.04.16	CITY COMMENTS
5	10.13.16	CITY COMMENTS
6	01.30.17	CLIENT COMMENTS
11	11.01.18	CLIENT COMMENTS

va811.com Dig With Confidence
BEFORE YOU DIG, CALL MISS UTILITY 1-800-552-7001

24 HR EMERGENCY CONTACT
MARK SENN
MARK.SENN@SOUTHEASTERN.COMPANY

2014169st-2.dwg 06.28.16

STORM PIPE PROFILES

SHEET **C-520**

SP 2016-0020