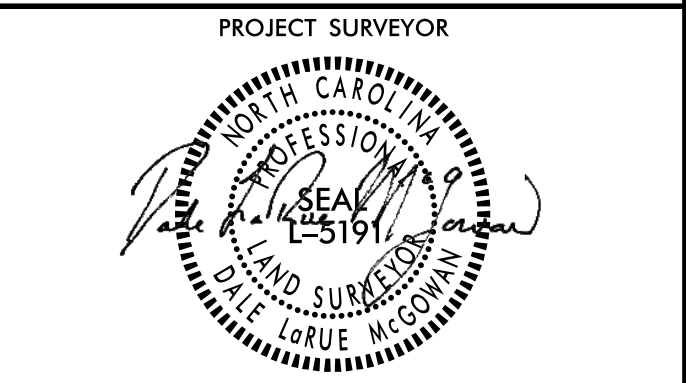


# SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

### Location and Surveys

**CH ENGINEERING**  
 3220 GLEN ROYAL RD. RALEIGH, NC 27617  
 TEL. (919) 788-0224 FAX (919) 788-0232  
 CORPORATE LICENSE # P-0189



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EL				
POINT	N	E	BEARING	DIST
POT	636301.354	2197407.190		
LINE			N 58°41'57.7" E	8422.65
POT	640677.158	2204683.946		

EY1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	639596.043	2200207.536							
LINE			S 78°47'19.4" E	921.95					
PC	639416.791	2201111.892							
CURVE			S 73°26'56.0" E	381.89	10°40'46.8"(RT)	02°47'32.9"	382.45	191.78	2051.80
PT	639308.001	2201477.961							
LINE			S 68°06'32.6" E	1229.66					
PC	638849.533	22022618.956							
CURVE			S 65°18'41.2" E	538.36	05°35'42.8"(RT)	01°02'20.0"	538.58	269.50	5515.10
PT	638624.666	2203108.108							
LINE			S 62°30'49.8" E	725.79					
PC	638289.690	2203751.972							
CURVE			S 66°11'29.0" E	586.64	07°21'18.4"(L T)	01°15'10.5"	587.04	293.92	4572.99
PT	638052.874	2204288.685							
LINE			S 69°52'08.2" E	499.28					
POT	637881.038	2204757.462							

EY2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	639670.013	2201414.354							
LINE			N 87°46'05.9" E	919.41					
PC	639705.816	2202333.062							
CURVE			N 84°54'16.9" E	139.09	05°43'38.0"(L T)	04°06'57.1"	139.15	69.63	1392.08
PCC	639718.169	2202471.605							
CURVE			N 75°21'40.1" E	425.29	13°21'35.6"(L T)	03°08'03.4"	426.25	214.10	1828.04
PT	639825.650	2202883.086							
LINE			N 68°40'52.3" E	31.91					
PC	639837.252	2202912.816							
CURVE			N 63°41'19.7" E	262.48	09°59'05.3"(L T)	03°47'57.0"	262.82	131.74	1508.12
PT	639953.597	2203148.106							
LINE			N 58°41'47.0" E	1685.29					
POT	640829.229	2204588.064							

EY3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	638391.101	2201714.251							
LINE			S 17°14'28.7" W	0.00					
PC	638391.101	2201714.251							
CURVE			S 12°24'25.1" W	78.07	09°40'06.7"(L T)	12°22'08.6"	78.17	39.18	463.22
PT	638314.850	2201697.477							
LINE			S 07°34'21.8" W	35.68					
PC	638279.486	2201692.775							
CURVE			S 04°57'55.9" W	61.04	05°12'51.8"(L T)	08°32'24.5"	61.06	30.55	670.90
PT	638218.678	2201687.492							
LINE			N 02°21'30.1" E	0.00					
PC	638218.679	2201687.492							
CURVE			S 02°31'28.3" E	221.10	09°45'56.6"(L T)	04°24'41.4"	221.37	110.95	1298.78
PT	637997.791	2201697.231							
LINE			S 07°24'26.6" E	1124.92					
POT	636882.260	2201842.260							

L									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	639670.013	2201414.354							
CURVE			N 20°10'07.4" E	0.00	35°59'59.0"(RT)	127°19'26.2"	282.74	0.00	45.00
PT	639670.014	2201414.354							

RAMP1									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	638132.053	2200585.897							
LINE			N 58°39'59.6" E	304.30					
PC	638290.295	2200845.817							
CURVE			N 66°48'22.8" E	265.54	16°16'46.4"(RT)	06°06'36.8"	266.43	134.12	937.71
PT	638394.874	2201089.893							
LINE			N 74°56'46.0" E	10.24					
PC	638397.533	2201099.780							
CURVE			N 81°06'01.5" E	253.47	12°18'30.9"(RT)	04°50'48.4"	253.95	127.47	1182.14
PT	638436.745	2201350.194							
LINE			S 87°15'17.1" W	0.00					
PC	638436.745	2201350.194							
CURVE			S 86°27'41.2" E	227.60	12°34'03.7"(RT)	05°30'38.8"	228.06	114.49	1039.70
PT	638422.697	2201577.360							
LINE			S 80°10'39.4" E	187.62					
PC	638390.690	2201762.234							
CURVE			N 76°28'06.7" E	565.73	46°42'27.8"(L T)	08°01'46.3"	581.70	308.10	713.56
PT	638523.058	2202312.256							
LINE			N 53°06'52.8" E	324.02					
PC	638717.543	2202571.424							
CURVE			N 46°59'10.3" E	87.88	12°15'24.9"(L T)	13°55'14.6"	88.05	44.19	411.59
PT	638777.492	2202635.681							
LINE			N 40°51'27.8" E	63.71					
POT	638825.677	2202677.358							

RAMP2									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	639350.095	2201363.477							
LINE			N 56°47'04.0" E	254.39					
PC	639489.448	2201576.304							
CURVE			N 66°05'25.2" E	179.45	18°36'42.4"(RT)	10°19'33.2"	180.24	90.92	554.88
PT	639562.179	2201740.357							
LINE			N 75°23'46.4" E	48.64					
PC	639574.443	2201787.428							
CURVE			N 84°43'58.7" E	155.42	18°40'24.4"(RT)	11°57'42.8"	156.11	78.75	478.99
PT	639588.710	2201942.190							
LINE			S 85°55'49.1" E	387.90					
PC	639561.181	2202329.116							
CURVE			N 84°49'31.3" E	351.46	18°29'19.2"(L T)	05°14'15.6"	352.99	178.04	1093.92
PT	639592.880	2202679.149							
LINE			N 75°34'51.7" E	60.82					
PC	639608.026	2202738.056							
CURVE			N 67°09'30.1" E	354.28	16°50'43.2"(L T)	04°44'15.9"	355.55	179.07	1209.34
PT	639745.550	2203064.550							
LINE			N 58°44'08.5" E	338.82					
POT	639921.394	2203354.169							

RAMP3									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	638785.544	2202771.549							
LINE			N 33°30'27.4" W	47.88					
PC	638825.468	2202745.116							
CURVE			N 13°48'23.2" W	117.10	39°24'08.4"(RT)	32°59'24.8"	119.44	62.19	173.68
PT	638939.182	2202717.172							
LINE			N 05°53'41.0" E	133.51					
PC	639071.983	2202730.883							
CURVE			N 22°41'37.5" E	413.87	33°35'53.0"(RT)	08°00'07.9"	419.86	216.16	716.00
PCC	639453.812	2202890.557							
CURVE			N 49°05'45.3" E	406.80	19°12'22.6"(RT)	04°41'57.2"	408.71	206.29	1219.26
PT	639720.183	2203198.019							
LINE			N 58°41'56.6" E	546.81					
POT	640004.270	2203665.243							

RAMP4									
POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	638841.258	2202639.432							
LINE			S 36°14'58.4" W	101.10					
PC	638759.725	2202579.651							
CURVE			S 44°35'24.9" W	43.40	16°40'52.9"(RT)	38°17'46.7"	43.56	21.93	149.61
PT	638728.814	2202549.179							
LINE			S 52°55'51.3" W	283.55					
PC	638557.897	2202322.932							
CURVE			S 79°45'55.3" W	654.03	53°40'08.0"(RT)	07°54'33.1"	678.56	366.48	724.42
PT	638441.690	2201679.313							
LINE			N 73°24'00.7" W	19.15					
PC	638447.160	2201660.962							
CURVE			N 28°23'04.7" W	225.06	90°01'51.9"(RT)	36°00'44.8"	250.00	159.19	159.10
PCC	638645.165	2201553.970							
CURVE			N 37°38'11.8" E	181.38	42°00'41.1"(RT)	22°38'47.6"	1		