SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	9	10	11	12								01/SAF/OT						
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
		1,475											1,475	202	23000	1,475	SY	PAVEMENT REMOVED	3
		14,257											14,257	202	30001	14,257	SF	WALK REMOVED, AS PER PLAN	3
		1,958											1,958	202	32000	1,958	FT	CURB REMOVED	3
		5											5	202	58100	5	EACH	CATCH BASIN REMOVED	
	10												10	203	10000	10	CY	EXCAVATION	
	10	243											253	203	20000	253	CY	EMBANKMENT	
		104											104	204	10000	104	SY	SUBGRADE COMPACTION	
		14,875											14,875	608	10001	14,875	SF	4" CONCRETE WALK, AS PER PLAN	4
		5,099											5,099	608	52001	5,099	SF	CURB RAMP, AS PER PLAN	4
		80											80	608	53020	80	SF	DETECTABLE WARNING	
																		EROSION CONTROL	
	227												227	659	00300	227	CY	TOPSOIL	4
	2,100												2,100	659	00500	2,100	SY	SEEDING AND MULCHING, CLASS 1	4
	0.41												0.41	659	20000	0.41	TON	COMMERCIAL FERTILIZER	4
	12												12	659	35000	12	MGAL	WATER	4
	30,000												30,000	832	30001	30,000	EACH	EROSION CONTROL, AS PER PLAN	4
																		DRAINAGE	
		30											30	611	04400	30	FT	12" CONDUIT, TYPE B	
		4											4	611	98151	4	EACH	CATCH BASIN, NO. 3, AS PER PLAN	4
		4											4	611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
		5											5	611	99575	5	EACH	MANHOLE, NO. 3, AS PER PLAN	4
		5											5	611	99654	5	EACH	MANHOLE ADJUSTED TO GRADE	
	500												500	SPECIAL	61199820	500	LB	MISCELLANEOUS METAL, AS PER PLAN	4
																		PAVEMENT	
		680											680	253	90100	680	SY	PAVEMENT REPAIR, MISC.: STREET OPENING REPAIR, TYPE A AND TYPE B	3
	400												400	254	01000	400	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	4
		18											18	301	46000	18	CY	ASPHALT CONCRETE BASE, PG64-22, 6"	
		18											18	304	20000	18	CY	AGGREGATE BASE, 6"	
	17												17	441	50000	17	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	4
		1,601											1,601	609	26000	1,601	FT	CURB, TYPE 6	
		104											104	609	72000	104	SY	CONCRETE MEDIAN	
																		WATER WORK	
		2											2	638	10400	2	EACH	FIRE HYDRANT ADJUSTED TO GRADE	
		8											8	638	10800	8	EACH	VALVE BOX ADJUSTED TO GRADE	
		4											4	638	10900	4	EACH	SERVICE BOX ADJUSTED TO GRADE	
																		TRAFFIC CONTROL	
			131										131	630	03100	131	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
			4										4	630	79200	4	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM	
			20										20	630	79500	20	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
			265										265	630	80100	265	SF	SIGN, FLAT SHEET	
			15										15	630	84900	15	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
			10										10	630	86002	10	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				23									23	630	87500	23	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
				2									2	630	87520	2	EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	
				42									42	630	97700	42	EACH	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)	13
					1								1	644	00100	1	MILE	EDGE LINE, 4"	
					97								97	644	00500	97	FT	STOP LINE, 18"	
					2,748								2,748	644	00600	2,748	FT	CROSSWALK LINE, 12"	
					3,040								3,040	644	00600	3,040	FT	CROSSWALK LINE, 24"	
					68								68	644	20800	68	FT	YIELD LINE	
					1								1	644	50100	1	EACH	PAVEMENT MARKING, MISC.: REMOVAL OF PAVEMENT MARKING	13
					2,906								2,906	644	50300	2,906	FT	PAVEMENT MARKING, MISC.: REMOVAL OF PAVEMENT MARKING	13
					649								649	646	10500	649	FT	CROSSWALK LINE, 12"	
					809								809	646	10500	809	FT	CROSSWALK LINE, 24"	

GENERAL SUMMARY

CUY

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/30/2021 TIME: 6:03:27 PM USER: loucks
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DESIGN AGENCY
B&N burgessniple.com

DESIGNER MDO

REVIEWER AR 09-08-20

PROJECT ID 113330

SHEET 7 TOTAL 91

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	10	11	12										01/SAF/OT						
																		TRAFFIC SIGNALS	
	4												4	625	00450	4	EACH	CONNECTION, FUSED PULL APART	
	2												2	625	00460	2	EACH	CONNECTION, UNFUSED PULL APART	
	6												6	625	00470	6	EACH	CONNECTION, UNFUSED BOLTED	
	2												2	625	14100	2	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
	45												45	625	23000	45	FT	NO. 4 AWG 600 VOLT DISTRIBUTION CABLE	
	70												70	625	23400	70	FT	NO. 10 AWG POLE AND BRACKET CABLE	
	736												736	625	25402	736	FT	CONDUIT, 2", 725.05	
	319												319	625	25502	319	FT	CONDUIT, 3", 725.05, CONCRETE ENCASED	
	56												56	625	25502	56	FT	CONDUIT, 3", 725.05	
	2												1	625	27520	2	EACH	REMOVAL OF LUMINAIRE AND REERECTION	
	701												701	625	29000	701	FT	TRENCH	
	12												12	625	30510	12	EACH	PULL BOX, 725.06, SIZE 4	
	58												58	625	32000	58	EACH	GROUND ROD	
	2												2	625	34000	2	EACH	POWER SERVICE	
	2												2	625	60010	2	EACH	LIGHT POLE REMOVED FOR REERECTION	
		47											47	632	20731	47	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	14
		21											21	632	20760	21	EACH	PEDESTRIAN PUSHBUTTON	
		458											458	632	29900	458	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	
		4,895											4,895	632	40500	4,895	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
		543											543	632	40700	543	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
		13											13	632	64011	13	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	14
		47											47	632	64020	47	EACH	PEDESTAL FOUNDATION	
		2,151											2,151	632	65200	2,151	FT	LOOP DETECTOR LEAD-IN CABLE	
		60											60	632	68200	60	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	
		1,020											1,020	632	69800	1,020	FT	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	
		12											12	632	70400	12	EACH	CONDUIT RISER, 2" DIAMETER	
		8											8	632	72101	8	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN	15
		4											4	632	72131	4	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN	15
		1											1	632	86120	1	EACH	STRAIN POLE, TYPE TC-81.11, DESIGN 8	
		6											6	632	89900	6	EACH	PEDESTAL, 8', TRANSFORMER BASE	
		8											8	632	90000	8	EACH	PEDESTAL, 11', TRANSFORMER BASE	
		33											33	632	90008	33	EACH	PEDESTAL, 15', TRANSFORMER BASE	
			1										1	632	90020	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTAL	14
			8										8	632	90020	8	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTRIAN HYBRID BEACON	15
			21										21	632	90020	21	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTRIAN SIGNAL HEAD	14
			1										1	632	90020	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PUSHBUTTON	14
			4										4	632	90020	4	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, SIGNAL POLE AND MAST ARM	14
			14										14	632	90400	14	EACH	SIGNALIZATION, MISC.: REMOVAL OF FLASHER ASSEMBLY	13
		16											16	632	90400	16	EACH	SIGNALIZATION, MISC.:PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, RETROFITTED	14
		8											8	632	90400	8	EACH	SIGNALIZATION, MISC.: PEDESTRIAN HYBRID BEACON	14
		738											738	632	90500	738	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE	14
			2										2	633	65510	2	EACH	CABINET, TYPE TS-2	
			2										2	633	99000	2	EACH	CONTROLLER ITEM, MISC.: CONTROLLER TYPE SIEMENS M-60	14
																		MAINTENANCE OF TRAFFIC	
620													620	614	11110	620	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	5
0.2													0.2	616	10000	0.2	MGAL	WATER	5
																		INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC	5
													3	619	16010	3	MNTH	FIELD OFFICE, TYPE B	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	
													LS	SPECIAL	90017000	LS		PRECONSTRUCTION VIDEO	3

GENERAL SUMMARY

DESIGN AGENCY
B&N burgessniple.com

DESIGNER MDO

REVIEWER AR 09-08-20

PROJECT ID 113330

SHEET 8 TOTAL 91

CUY

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/2/2021 TIME: 9:14:50 AM USER: tolman
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Intersection Priority Number	SHEET CODE	Intersection	202 PAVEMENT REMOVED SY	202 WALK REMOVED, AS PER PLAN SF	202 CURB REMOVED FT	202 CATCH BASIN REMOVED EACH	203 EMBANKMENT CY	204 SUBGRADE COMPACTION SY	253 PAVEMENT REPAIR, MISC.; STREET OPENING REPAIR, TYPE A AND TYPE B SY	301 ASPHALT CONCRETE BASE, PG64-22, 6" CY	304 AGGREGATE BASE, 6" CY	608 4" CONCRETE WALK, AS PER PLAN SF	608 CURB RAMP, AS PER PLAN SF	608 DETECTABLE WARNING SF	609 CURB, TYPE 6 FT	609 CONCRETE MEDIAN SY	611 CATCH BASIN ADJUSTED TO GRADE EACH	611 MANHOLE ADJUSTED TO GRADE EACH	611 CATCH BASIN, NO. 3, AS PER PLAN EACH	611 MANHOLE, NO. 3, AS PER PLAN EACH	611 12" CONDUIT, TYPE B FT	638 FIRE HYDRANT ADJUSTED TO GRADE EACH	638 VALVE BOX ADJUSTED TO GRADE EACH	638 SERVICE BOX ADJUSTED TO GRADE EACH
1	38	Chester Ave at E. 70th St	35.2	391.0	36.0				35.2				391.0		36.0									
2	39	Chester Ave at E. 71th St	38.2	238.0	25.0				38.2			238.0			25.0									
5	40	Superior Ave at E 87th Street	49.7					28.7	21.0	4.8	4.8			16		28.7								
6	41	Superior Ave at E. 91st St	80.9	489.0	45.0			25.1	30.6	4.2	4.2	426.0	103.0	16	18.6	25.1	1.0							
7	43	Superior Ave at E. 99st St	62.3	339.0	55.0			26.4	35.9	4.4	4.4	389.8	113.0	16	43.0	26.4								
8	45	Superior Ave at East Blvd	53.5	253.8	49.0			23.3	34.0	3.9	3.9	167.5	120.0	16	37.0	23.3								
9	47	St. Clair/E. 103rd	8.9	520.0	40.0				9.0			384.0	152.0	16	8.0			1.0						
11	51	W. 116th/Clifton		243.0								243.0												
12	53	Detroit/W. 95th	8.9	302.0	40.0				8.9			213.0	130.0		18.0									1.0
15	57	Detroit/W. 49th	25.1	960.0	114.0				25.0			684.0	483.0		36.0		1.0							
16	59	Madison/W. 74th midblock	9.0	200.0	40.0				9.0			160.0	93.0		28.0									
21	62	W. 9th/Johnson Court	9.0	600.0	40.0				9.0			453.0	162.0		8.0									
22	63	W. 9th/West Lakeside Avenue		68.0								68.0												
23	64	Lee midblock south of Telfair	7.0	250.0	28.0				7.0			126.0	91.0		16.0									
27	68	Mayfield at E. 124th Place	49.0	819.0	140.0	1.0			49.0			986.0	272.0		130.0				1.0	1.0	8.0	1.0	1.0	1.0
28	70	Mayfield at Murray Hill Road	72.0	506.0	81.0	1.0	24.5		23.0			706.0	221.0		53.0					1.0			1.0	
29	72	Mayfield at Coltman Ave	95.0	761.0	111.0	1.0	31.5		32.0			1040.0	233.0		76.0				1.0	1.0	6.0		1.0	
30	74	Mayfield at Random Road	26.0	250.0	33.0		8.5		9.0			322.0	72.0		22.0									
31	76	Larchmere at E. 130th St	87.0	796.0	98.0	1.0	29.5		28.0			609.0	315.0		315.0				1.0	1.0	6.0			
32	77	Larchmere at E. 128th St	76.0	527.0	104.0		25.0		26.0			663.0	300.0		67.0									
33	78	Larchmere at E. 127th St	85.0	641.0	90.0		30.0		25.0			947.0	205.0		70.0			1.0						
34	79	Larchmere at E. 126th St	89.0	880.0	96.0		31.5		26.0			671.0	207.0		77.0							1.0	3.0	1.0
35	80	Larchmere at E. 122nd St	89.0	558.0	96.0		31.5		26.0			883.0	237.0		67.0			1.0					2.0	1.0
36	81	Larchmere at E. 121st St	88.0	465.0	101.0		31.0		26.0			672.0	238.0		71.0			1.0						
39	83	Broadway/Barkwill	2.0	24.0	8.0				2.0			24.0			8.0									
44	87	Lorain/W. 162nd	17.3	18.0	14.0				17.0			18.0			14.0									
45	88	Benham/E. 93rd	9.0	440.0	40.0				9.0			284.0	152.0		8.0									
49	89	E. 13th St and Rockwell Ave	40.0	1380.0	176.0				40.0			771.0	649.0		80.0		2.0	1.0						
50	90	Broadway/McBride	21.6	104.0	12.0				22.0			104.0			12.0									
51	91	Chester Ave. at E. 13th St	241.0	1234.0	246.0	1			57.0			2622.0	160.0		257.0				1.0	1.0	10.0			
TOTALS CARRIED TO GENERAL SUMMARY			1475	14257	1958	5	243	104	680	18	18	14875	5099	80	1601	104	4	5	4	5	30	2	8	4

ROADWAY SUBSUMMARY

DESIGN AGENCY
B&N burgessniple.com

DESIGNER MDO

REVIEWER AR 09-08-20

PROJECT ID 113330

SHEET 9 TOTAL 91

CUY

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/30/2021 TIME: 6:04:42 PM USER: loucks
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TRAFFIC SUBSUMMARY

Intersection Priority Number	SHEET CODE	Intersection	625 GROUND ROD EACH	625 CONNECTION, FUSED PULL APART EACH	625 CONNECTION, UNFUSED PULL APART EACH	625 CONNECTION, UNFUSED BOLTED EACH	625 NO. 4 AWG 600 VOLT DISTRIBUTION CABLE FT	625 NO. 10 AWG POLE AND BRACKET CABLE FT	625 CONDUIT, 2", 725.05 FT	625 CONDUIT, 3", 725.05 FT	625 CONDUIT, 3", 725.05 CONCRETE ENCASED FT	625 REMOVAL OF LUMINAIRE AND REERECTION EACH	625 TRENCH FT			625 PULL BOX, 725.06, SIZE 4 EACH	625 POWER SERVICE EACH	625 LIGHT POLE REMOVED EACH	625 LIGHT POLE REMOVED FOR REERECTION EACH	625 LIGHT POLE FOUNDATION, 24" X 8' DEEP EACH	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 SIGN ATTACHMENT ASSEMBLY, MAST ARM EACH	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN, FLAT SHEET SF	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH
1	38	Chester Avenue & East 70th Street	3						186		108		163			4											
2	39	Chester Avenue & East 71st Street	4						171		112		159			4											
5	40	Superior Avenue & East 87th Street																									
6	42	Superior Avenue & East 91st Street	1						8				8											6	28.5		
7	44	Superior Avenue & East 99th Street	2						134				134								54				28.5		
8	46	Superior Avenue & East Boulevard	1						65				65											2	4.5		
9	47	Saint Clair Avenue & East 103rd Street	2																								
10	48	West 112th Street & Clifton Boulevard	2														1				16	2	4	53			
11	51	West 116th Street and Clifton Boulevard	2														1					2	4	53			
12	54	Detroit Avenue & West 95th Street																									
13	55	Detroit Avenue & West 80th Street	1																								
14	56	Detroit Avenue & West 67th Street	2																								
15	58	Detroit Avenue & West 49th Street																									
16	59	Madison Avenue & West 74th Street - Midblock																			30				18		
17	60	West 61st Street & Lorain Avenue																									
20	61	West 3rd Street & Frankfort Avenue	2																							4	1
21	62	West 9th Street & Johnson Court	2																								
22	63	West 9th Street & West Lakeside Avenue	2	2	1	3	30	40	17			1	17						1	1						3	1
23	64	Lee Road (Midblock) South of Telfair Avenue	2																							2	2
24	65	East Boulevard & Juniper Road	2																					2	22		
25	66	East Boulevard & Ford Drive	2																		15				13	1	1
26	67	East Boulevard & Wade Oval Drive	2																		16			2	44	1	1
27	69	Mayfield Road & East 124th Place	2																							1	1
28	71	Mayfield Road & Murray Hill Road	2																								
29	73	Mayfield Road & Coltman Road	2																								
30	75	Mayfield Road & Random Road	1																								
31	76	Larchmere Boulevard & East 130th Street																									
32	77	Larchmere Boulevard & East 128th Street																									
35	80	Larchmere Boulevard & East 122nd Street																									
36	81	Larchmere Boulevard & East 121st Street																									
38	82	Magnet Avenue & East 55th Street	2																							1	1
39	83	Broadway Avenue & Barkwill Avenue	2	2	1	3	15	30	5			1	5						1	1						1	1
41	84	Broadway Avenue & Portage Avenue	2																								
42	85	Broadway Avenue & Blanche Avenue	2																							1	1
43	86	Broadway Avenue & Hillman Avenue	2																								
44	87	Lorain Avenue & West 162nd Street	1						56		43		56			2											
45	88	Benham Avenue & East 93rd Street	2																								
49	89	East 13th Street & Rockwell Avenue	2																								
50	90	Broadway Avenue & McBride Avenue	1						66	56	56		66			2											
51	91	Chester Avenue & East 13th Street	1						28				28														
TOTALS CARRIED TO GENERAL SUMMARY			58	4	2	6	45	70	736	56	319	2	701			12	2		2	2	131	4	20	265	15	10

DESIGN AGENCY
B&N burgessniple.com

DESIGNER BPT
REVIEWER AR 12/4/2020
PROJECT ID 113330
SHEET 10 TOTAL 91

CUY

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/30/2021 TIME: 6:08:19 PM USER: foucks
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Intersection Priority Number	SHEET CODE	Intersection	630 REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF POLE MOUNTED SIGN AND REERECTION EACH	630 SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) EACH	632 PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN EACH	632 SIGNALIZATION, MISC.:PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, RETROFITTED EACH	632 PEDESTRIAN PUSHBUTTON EACH	632 MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES FT	632 SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE FT	632 SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG FT	632 SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG FT	632 LOOP DETECTOR LEAD-IN CABLE FT	632 SIGNAL SUPPORT FOUNDATION, AS PER PLAN EACH	632 PEDESTAL FOUNDATION EACH	632 POWER CABLE, 2 CONDUCTOR, NO. 6 AWG FT	632 SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG FT	632 CONDUIT RISER, 2" DIAMETER EACH	632 PEDESTAL, 8', TRANSFORMER BASE EACH	632 PEDESTAL, 11', TRANSFORMER BASE EACH	632 PEDESTAL, 15', TRANSFORMER BASE EACH	632 STRAIN POLE, TYPE TC-81.11, DESIGN 8 EACH	632 SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN EACH	632 SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN EACH		
1	38	Chester Avenue & East 70th Street		2		8		8		135	910		910		3			1		3								
2	39	Chester Avenue & East 71st Street				8		8		138	906		906		4			1		4								
5	40	Superior Avenue & East 87th Street					2			42	121																	
6	42	Superior Avenue & East 91st Street				1	1	1		42	121				1			1	1									
7	44	Superior Avenue & East 99th Street				2	2				347				2				2									
8	46	Superior Avenue & East Boulevard				1	5			102	166				1		7	1	1									
9	47	Saint Clair Avenue & East 103rd Street			2										2											2		
10	48	West 112th Street & Clifton Boulevard				2		2	91		151	268	164	2		30	759	1								2		
11	51	West 116th Street and Clifton Boulevard				2		2	98		158	275	171	2		30	254	1								2		
12	54	Detroit Avenue & West 95th Street				2				55	115							1										
13	55	Detroit Avenue & West 80th Street				6			146	70	430			1				2						1				
14	56	Detroit Avenue & West 67th Street			2									2												2		
15	58	Detroit Avenue & West 49th Street				2	4		65	65	236							2										
16	59	Madison Avenue & West 74th Street - Midblock																										
17	60	West 61st Street & Lorain Avenue	2		2										2								2					
20	61	West 3rd Street & Frankfort Avenue	4		2										2								2					
21	62	West 9th Street & Johnson Court			2										2								2					
22	63	West 9th Street & West Lakeside Avenue	1		2										2								2					
23	64	Lee Road (Midblock) South of Telfair Avenue			2									2												2		
24	65	East Boulevard & Juniper Road			2										2								2					
25	66	East Boulevard & Ford Drive			2										2								2					
26	67	East Boulevard & Wade Oval Drive			2										2								2					
27	69	Mayfield Road & East 124th Place	1		2										2								2					
28	71	Mayfield Road & Murray Hill Road	3		2										2								2					
29	73	Mayfield Road & Coltman Road	3		2										2								2					
30	75	Mayfield Road & Random Road	2		2										1								1					
31	76	Larchmere Boulevard & East 130th Street																										
32	77	Larchmere Boulevard & East 128th Street																										
35	80	Larchmere Boulevard & East 122nd Street																										
36	81	Larchmere Boulevard & East 121st Street																										
38	82	Magnet Avenue & East 55th Street	1		2										2								2					
39	83	Broadway Avenue & Barkwill Avenue	1		2										2								2					
41	84	Broadway Avenue & Portage Avenue	2		2										2								2					
42	85	Broadway Avenue & Blanche Avenue	1		2										2								2					
43	86	Broadway Avenue & Hillman Avenue	2		2										2								2					
44	87	Lorain Avenue & West 162nd Street				4	2			89	378				1						1							
45	88	Benham Avenue & East 93rd Street			2									2												2		
49	89	East 13th Street & Rockwell Avenue			2										2								2					
50	90	Broadway Avenue & McBride Avenue				8			58		722				1			1	1									
51	91	Chester Avenue & East 13th Street				1					134				1				1									
TOTALS CARRIED TO GENERAL SUMMARY			23	2	42	47	16	21	458	738	4895	543	2151	13	47	60	1020	12	6	8	33	1	8	4				

TRAFFIC SUBSUMMARY

DESIGN AGENCY
B&N burgessniple.com

DESIGNER BPT
REVIEWER AR 12/4/2020
PROJECT ID 113330
SHEET 11 TOTAL 91

CUY

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/30/2021 TIME: 6:07:36 PM USER: foucks
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GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.

   A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.

   B. WHEN AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN PLASTIC CONDUIT (725.05), THE INSTALLATION SHALL INCLUDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ADDITION TO THE CONDUCTORS SPECIFIED.

   C. METALLIC CONDUIT CARRYING THE LOOP WIRES FROM IN THE PAVEMENT TO THE PULL BOX SPLICE LOCATION WILL ONLY BE BONDED AT THE PULL BOX END, AND WILL NOT CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR.

   D. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.

   E. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.

   F. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.

2. CONDUITS.

   A. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.

   B. THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DEBURRED AT ALL TERMINATION POINTS.

   C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

   D. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

GROUNDING AND BONDING (CONT'D)

3. WIRE FOR GROUNDING AND BONDING.

   A. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS:

      I. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.

      II. USE A MINIMUM 8 AWG BETWEEN LOOP DETECTOR PULL BOXES AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.

      III. USE A MINIMUM 8 AWG BETWEEN THE "PREPARE TO STOP WHEN FLASHING" INSTALLATION (INCLUDING SUPPORT) AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.

      IV. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS.

   B. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME WIRE SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.

4. GROUND ROD.

   A. A 3/4-INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.

   B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.

5. THE GREEN CONDUCTOR IN SIGNAL CABLES (CONDUCTOR #4) SHALL NOT BE USED TO SUPPLY POWER TO A SIGNAL INDICATION. IT WILL BE CONNECTED TO THE SIGNAL BODY AS AN EQUIPMENT GROUND IN ALUMINUM HEADS AND IT WILL BE UNUSED IN PLASTIC HEADS. UNUSED CONDUCTORS SHALL BE GROUNDED IN THE CABINET. TYPICAL USE OF CONDUCTORS IS AS FOLLOWS:

COND. NO.	COLOR	VEHICLE SIGNAL	PEDESTRIAN SIGNAL
1	BLACK	GREEN BALL	#1 WALK
2	WHITE	AC NEUTRAL	AC NEUTRAL
3	RED	RED BALL	#1 DW/FDW
4	GREEN	EQUIPMENT GROUND	EQUIPMENT GROUND
5	ORANGE	YELLOW BALL	#2 DW/FDW
6	BLUE	GREEN ARROW	#2 WALK
7	WHITE/BLACK	STRIPE YELLOW ARROW	NOT USED

GROUNDING AND BONDING (CONT'D)

6. POWER SERVICE AND DISCONNECT SWITCH.

   A. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR. IF SPLICED, IT SHALL BE AN EXOTHERMIC WELD BUTT SPLICE.

   B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.

      I. NEMA CONTROLLER CABINETS: IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.

      II. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH, THE NEUTRAL (AC-) SHALL ONLY BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH, BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.

7. PAYMENT - ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED BY CONTRACT.

TEST HOLE PERFORMED

IT IS ANTICIPATED THAT THE CONTRACTOR WILL ENCOUNTER UNDERGROUND UTILITIES WHILE EXCAVATING FOR SIGNAL SUPPORT FOUNDATIONS OR SIMILAR FOUNDATIONS. AFTER ACCURATELY IDENTIFYING THE PROPOSED LOCATION OF THE FOUNDATION, AS SHOWN IN THE PLANS AND AFTER MODIFYING THAT LOCATION, IF NECESSARY, BASED ON THE FIELD MARKING OF UNDERGROUND UTILITY LOCATION, THE CONTRACTOR DISCOVERS A UTILITY CONFLICT DURING THE EXCAVATION OPERATION, THE CONTRACTOR WILL BE COMPENSATED FOR EACH PARTIAL FOUNDATION EXCAVATION ACCORDING TO THE BID PRICE.

BEFORE THE CONTRACTOR BEGINS THE EXCAVATION AT THE MODIFIED LOCATION, THE CONTRACTOR SHALL VERIFY THAT THERE WILL BE NO OVERHEAD UTILITY CONFLICTS RESULTING FROM THE NEW SIGNAL SUPPORT LOCATION. NEW

SUPPORT LOCATIONS ARE TO BE APPROVED BY THE ENGINEER.

THE WORK WILL INCLUDE BACKFILLING, COMPACTING, AND RESTORATION OF THE EXCAVATION TO THE SITE'S ORIGINAL CONDITION.

EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT.

PAYMENT FOR THIS ITEM SHALL BE AT THE UNIT PRICE BID PER EACH ITEM 632 TEST HOLE PERFORMED TO BE USED AT THE DIRECTION OF THE ENGINEER.

ITEM 632 - SIGNAL SUPPORT, TYPE TC-81.22, (BY DESIGN), AS PER PLAN

THIS ITEM SHALL CONFORM TO ITEM 632.15 AND 732.11, EXCEPT THAT POLES SHALL BE TAPERED TUBES OF CONTINUOUS TAPER. POLE CONSISTING OF STRAIGHT SECTIONS WITH A TAPERED EFFECT ACCOMPLISHED BY THE USE OF REDUCERS SHALL NOT BE PERMITTED. POLES SHALL BE ROUND IN SHAPE. OCTAGON SHAPED POLES ARE NOT PERMITTED. IN ADDITION THE SIGNAL SUPPORTS SHALL BE POWDER COATED DARK BRONZE #F-283 PER CITY OF CLEVELAND SPECIFICATION. A PAINT CHIP SAMPLE SHALL BE SUBMITTED TO THE CITY OF CLEVELAND ENGINEER AT LEAST 7-DAYS PRIOR TO ORDERING MATERIALS FOR REVIEW AND APPROVAL.

PAYMENT FOR ITEM 632 SIGNAL SUPPORT, TYPE TC-81.22, (BY DESIGN), AS PER PLAN SHALL BE PER EACH SUPPORT AND BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

2 4/5/2021

SIGNAL SUPPORTS

DUE TO THE POSSIBILITY OF CONFLICT WITH EXISTING OR PROPOSED UNDERGROUND OBSTRUCTIONS (INCLUDING THE POSSIBILITY IF UNREINFORCED OBSTRUCTIONS) WHICH COULD AFFECT THE LOCATION OF THE FOUNDATIONS FOR THESE ITEMS, AND CONSEQUENTLY, THE DESIGN OF THE VARIOUS SUPPORTS, AND/OR ARMS, THE CONTRACTOR SHALL NOT PLACE ORDERS FOR THESE ITEMS UNTIL THE FOUNDATIONS HAVE BEEN INSTALLED, AND HE HAS RECEIVED FROM THE ENGINEER, WRITTEN NOTICE TO PROCEED WITH THE ORDERS FOR THESE ITEMS.

IF ANY FOUNDATION LOCATIONS MUST BE ADJUSTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, WHO WILL DETERMINE THE REVISED LOCATIONS AND IF ANY SUPPORT DESIGN CHANGES ARE NECESSARY, IN CONSULTATION WITH THE MAINTAINING AGENCY, THE CONTRACTOR WILL NOTE BE RESPONSIBLE FOR DETERMINING THE REVISED DESIGN, THE ENGINEER WILL SUBSEQUENTLY INFORM THE CONTRACTOR OF ANY CHANGES NECESSARY, AND AUTHORIZE THEM TO ORDER THE SUPPORTS.

THE CONTRACTOR SHALL, WHEN DEVELOPING HIS PROGRESS SCHEDULE, AND THOSE OF HIS SUBCONTRACTOR, ENSURE THAT THE FOUNDATIONS ARE INSTALLED AT THE EARLIEST TIME AS IS FEASIBLE AND PRACTICAL, AND SHALL INCLUDE SUFFICIENT TIME IN THE PROGRESS SCHEDULE FOR THE ORDERING, MANUFACTURING, DELIVERY, AND INSTALLATION OF THESE ITEMS AFTER THE FOUNDATION ARE IN PLACE.

NO PAYMENTS FOR DELIVERED MATERIALS FOR THESE ITEMS WILL BE MADE UNTIL THE FOUNDATIONS ARE IN PLACE , AND IF CHANGES IN THE DESIGN OF THESE ITEMS AREA REQUIRED, NO PAYMENTS WILL BE MADE FOR ITEMS MANUFACTURED TO THE ORIGINAL DESIGNS.

THE CONTRACTOR SHALL PROTECT PEDESTRIANS AND VEHICLES FROM EXPOSED ANCHOR BOLTS UNTIL THE ASSOCIATED SIGNAL SUPPORTS IS ERECTED, THE METHOD OF COVERING THE ANCHOR BOLTS SHALL BE APPROVED BE THE ENGINEER.

ALL COSTS ASSOCIATED WITH THE PROCEDURES AS OUTLINED ABOVE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE UNIT PRICE BED (EACH) FOR:

ITEM 632, STRAIN POLE, TYPE TC-81.11, (BY DESIGN)

ITEM 632, SIGNAL SUPPORT, TYPE TC-81.22 (BY DESIGN), AS PER PLAN

ITEM 632 - REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTRIAN HYBRID BEACON

IN ADDITION TO THE REQUIREMENTS OF C&MS 632 AND 732 THIS ITEM SHALL INCLUDE THE REMOVAL OF THE EXISTING PEDESTRIAN HYBRID BEACON AND MOUNTING BRACKETS.

PAYMENT FOR ITEM 632 REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM PEDESTRIAN HYBRID BEACON SHALL BE PER EACH REMOVED AND DISPOSED AND SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

TRAFFIC CONTROL NOTES

CUY

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DESIGN AGENCY
B&N burgessniple.com

DESIGNER BPT

REVIEWER AR 09-08-20

PROJECT ID 113330

SHEET 15 TOTAL 91

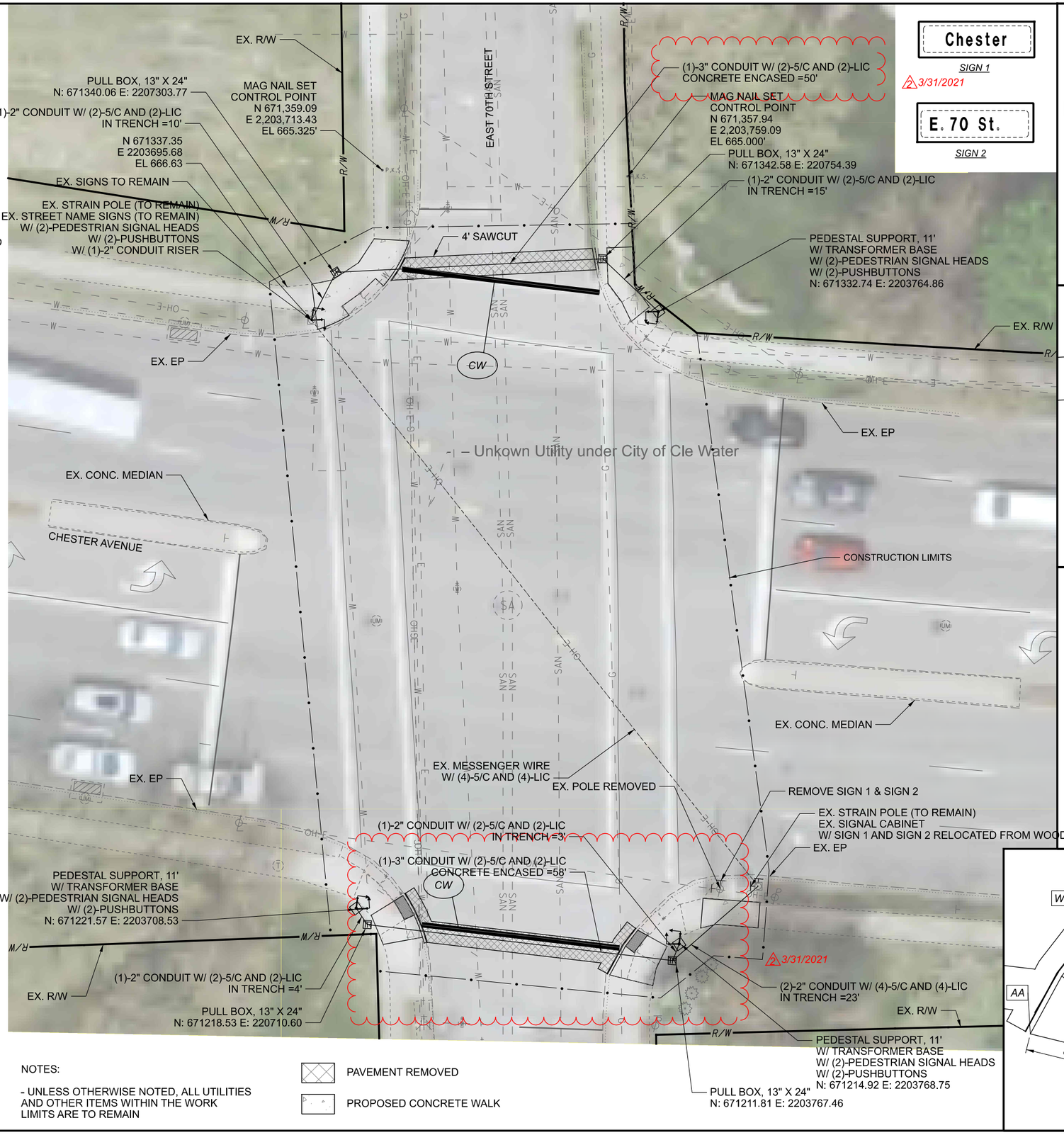
LEGEND

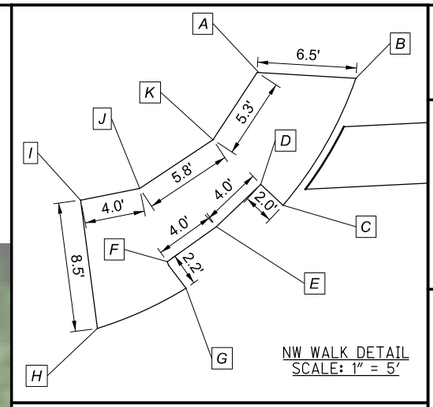
- OVERHEAD SIGN SUPPORT
- PEDESTAL SUPPORT
- TRAFFIC CONTROLLER CABINET
- PROPOSED SIGNAL CONDUIT
- TRAFFIC PULL BOX
- LIGHTING PULL BOX
- PUSHBUTTON
- CONVENTIONAL LUMINARE
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED VEHICULAR SIGNAL HEAD

- PMR — PAVEMENT MARKING TO BE REMOVED
- SL — STOP LINE, 18"
- CW — CROSSWALK LINE*
- ELY — EDGE LINE, YELLOW
- YL — YIELD LINE

* ITEM 646 ON CONCRETE AND BRICK SURFACES

POINT	NORTHING	EASTING	ELEVATION
A	671346.30	2203711.90	665.21
B	671345.91	2203718.43	665.08
C	671337.53	2203713.62	665.40
D	671338.91	2203712.15	665.38
E	671336.12	2203709.22	665.50
F	671333.81	2203705.98	665.63
G	671332.06	2203707.22	665.66
H	671329.40	2203701.36	665.85
I	671337.87	2203700.25	665.70
J	671338.65	2203704.16	665.58
K	671341.75	2203708.83	665.38
L	671344.60	2203755.28	664.87
M	671344.81	2203760.12	665.02
N	671337.57	2203760.42	664.91
O	671333.60	2203763.19	664.85
P	671330.90	2203759.81	664.83
Q	671334.56	2203758.02	664.83
R	671337.99	2203755.46	664.86
S	671220.26	2203711.34	665.60
T	671223.95	2203717.26	665.31
U	671216.16	2203720.91	665.27
V	671214.83	2203713.57	665.64
W	671217.48	2203761.02	664.49
X	671214.47	2203766.48	664.62
Y	671210.23	2203764.41	664.76
Z	671207.15	2203763.84	664.96
AA	671209.12	2203755.81	664.78
AB	671223.40	2203773.20	664.46
AC	671217.87	2203772.75	664.58
AD	671218.57	2203775.74	664.57
AE	671217.89	2203783.46	664.52
AF	671222.65	2203783.83	664.27





NW WALK DETAIL
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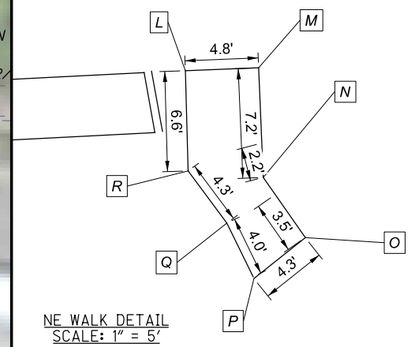

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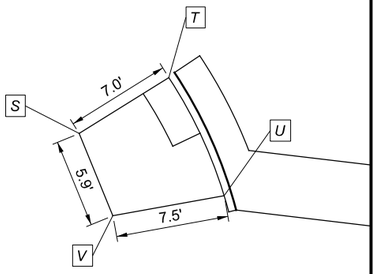

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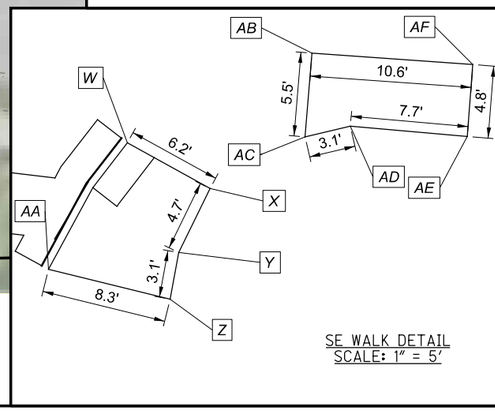

SE WALK DETAIL
SCALE: 1" = 5'

NOTES:

- UNLESS OTHERWISE NOTED, ALL UTILITIES AND OTHER ITEMS WITHIN THE WORK LIMITS ARE TO REMAIN

PAVEMENT REMOVED

PROPOSED CONCRETE WALK

HORIZONTAL SCALE IN FEET
0 5 10 20

DETAILED PLAN
CHESTER AVENUE & EAST 70TH STREET

DESIGN AGENCY
B&N
burgessnipke.com

DESIGNER MDO
REVIEWER AR 09-08-20
PROJECT ID 113330
SHEET 38 TOTAL 91

CUY-CHESTER AVE

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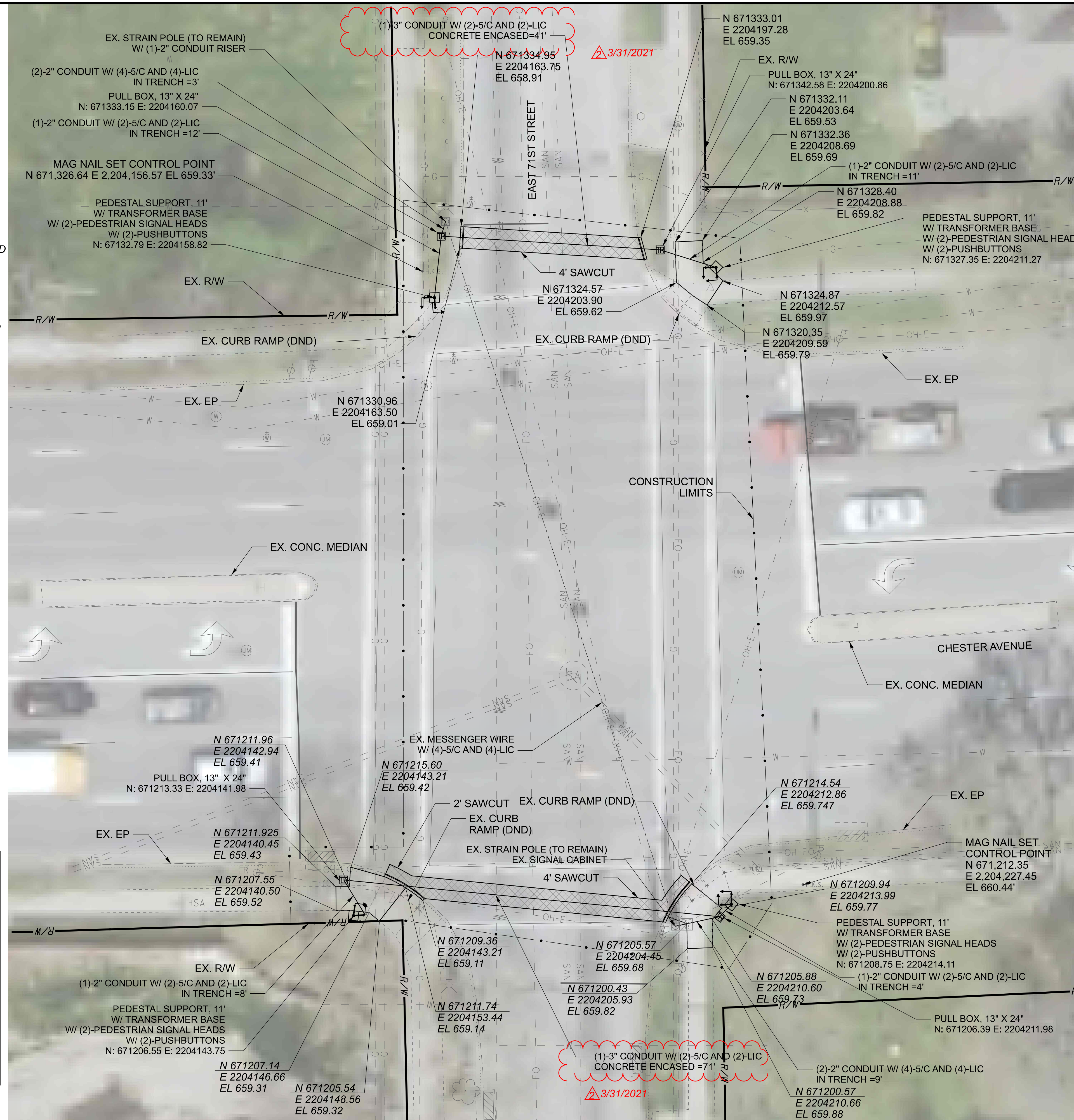
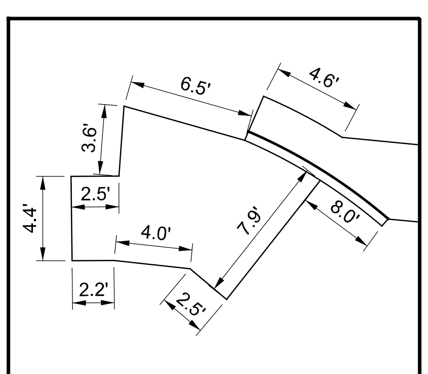
LEGEND

- OVERHEAD SIGN SUPPORT
- PEDESTAL SUPPORT
- TRAFFIC CONTROLLER CABINET
- PROPOSED SIGNAL CONDUIT
- TRAFFIC PULL BOX
- LIGHTING PULL BOX
- PUSHBUTTON
- CONVENTIONAL LUMINARE
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED VEHICULAR SIGNAL HEAD
- PMR PAVEMENT MARKING TO BE REMOVED
- SL STOP LINE, 18"
- CW CROSSWALK LINE*
- ELY EDGE LINE, YELLOW
- YL YIELD LINE

* ITEM 646 ON CONCRETE AND BRICK SURFACES





SW WALK DETAIL
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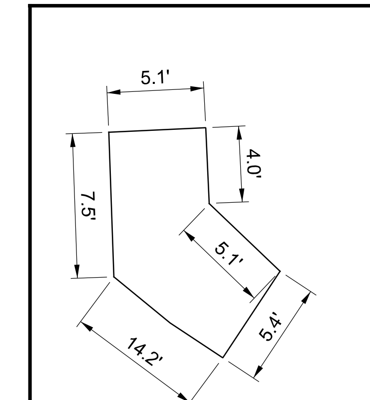
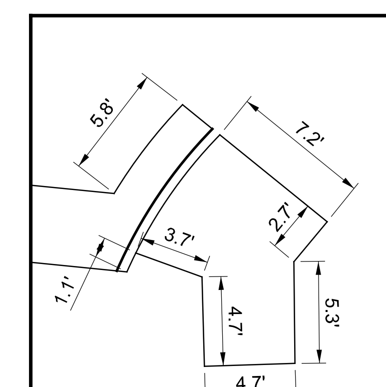


NE WALK DETAIL
SCALE: 1" = 5'

- PAVEMENT REMOVED
- PROPOSED CONCRETE WALK



SE WALK DETAIL
SCALE: 1" = 5'

NOTES:

- UNLESS OTHERWISE NOTED, ALL UTILITIES AND OTHER ITEMS WITHIN THE WORK LIMITS ARE TO REMAIN

HORIZONTAL SCALE IN FEET 0 5 10 20

DETAILED PLAN
CHESTER AVENUE & EAST 71ST STREET

DESIGN AGENCY
B&N burgessniple.com

DESIGNER MDO
REVIEWER AR 12/4/2020
PROJECT ID 113330
SHEET 39 TOTAL 91

CUY-CHESTER AVE

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/31/2021 TIME: 4:34:53 PM USER: fessenden
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LEGEND

- OVERHEAD SIGN SUPPORT
- PEDESTAL SUPPORT
- TRAFFIC CONTROLLER CABINET
- PROPOSED SIGNAL CONDUIT
- TRAFFIC PULL BOX
- LIGHTING PULL BOX
- PUSHBUTTON
- CONVENTIONAL LUMINARE
- PROPOSED PEDESTRIAN SIGNAL HEAD
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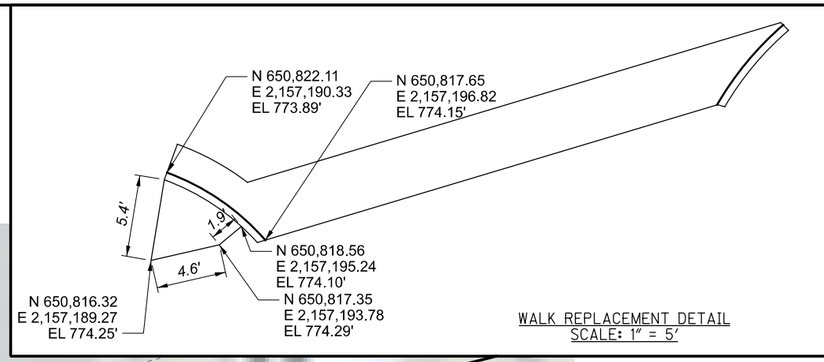
- ELY — EDGE LINE, YELLOW
- YL — YIELD LINE

* ITEM 646 ON CONCRETE AND BRICK SURFACES

- PAVEMENT REMOVED
- PROPOSED CONCRETE WALK



WALK REPLACEMENT DETAIL
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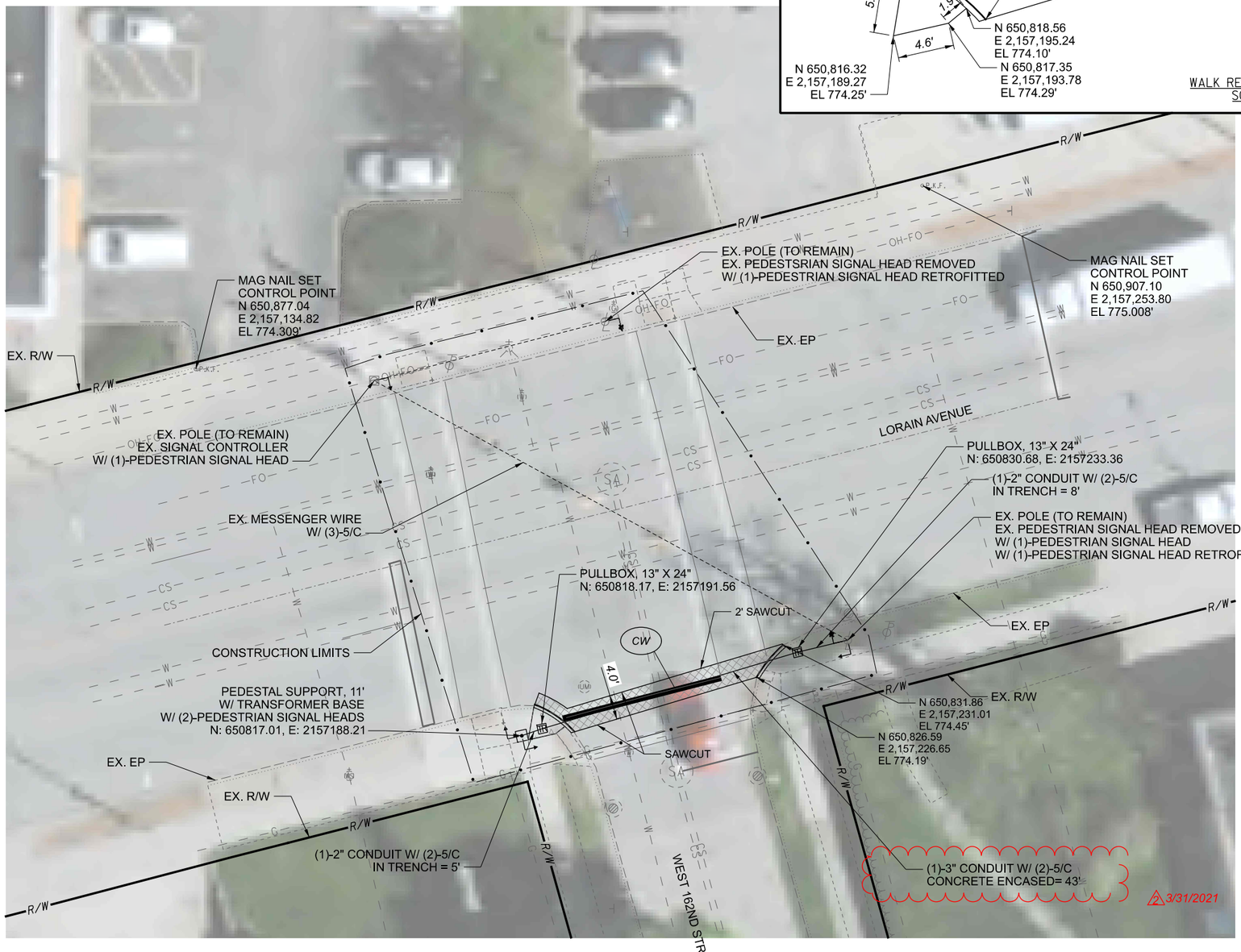

NOTES:

- UNLESS OTHERWISE NOTED, ALL UTILITIES AND OTHER ITEMS WITHIN THE WORK LIMITS ARE TO REMAIN

HORIZONTAL SCALE IN FEET
0 5 10 20

DETAILED PLAN
LORAIN AVENUE & WEST 162ND STREET

DESIGN AGENCY
B&N burgessniple.com

DESIGNER MDO
REVIEWER AR 12/4/2020
PROJECT ID 113330
SHEET 87 TOTAL 91

CUY-LORAIN AVE

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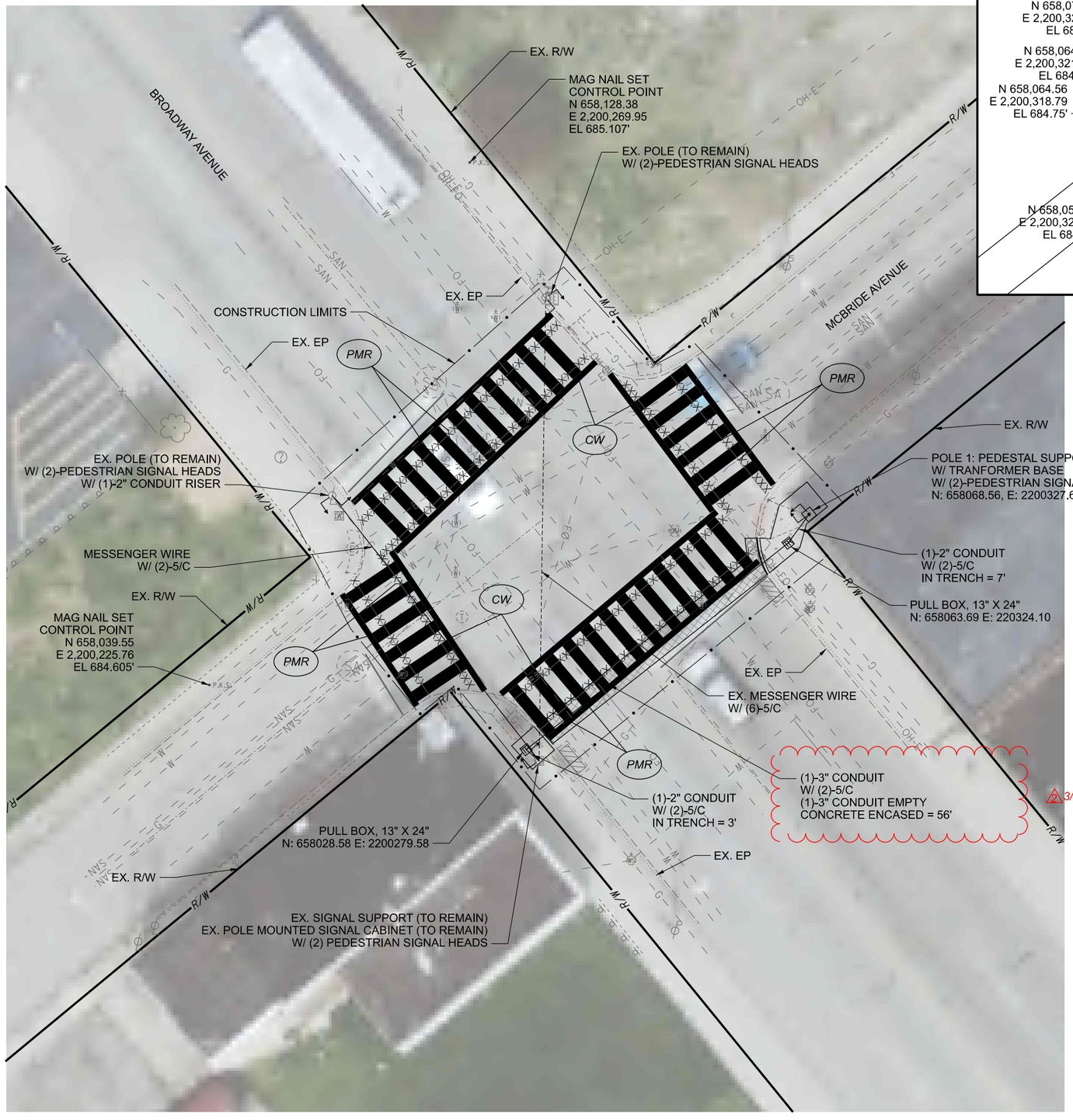
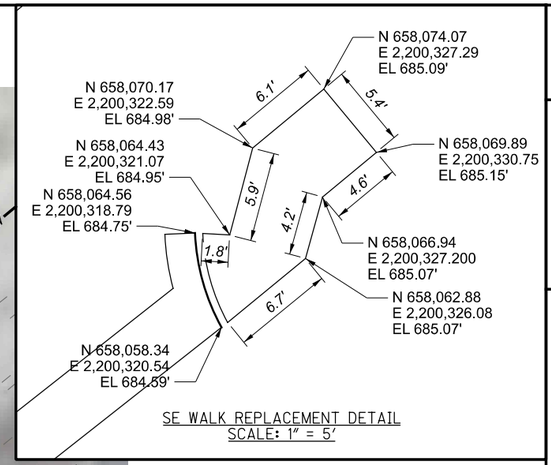
LEGEND

- OVERHEAD SIGN SUPPORT
- PEDESTAL SUPPORT
- TRAFFIC CONTROLLER CABINET
- PROPOSED SIGNAL CONDUIT
- LIGHTING PULL BOX
- LIGHTING PULL BOX
- PUSHBUTTON
- CONVENTIONAL LUMINARE
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED VEHICULAR SIGNAL HEAD

- PMR — PAVEMENT MARKING TO BE REMOVED
- SL — STOP LINE, 18"
- CW — CROSSWALK LINE*
- ELY — EDGE LINE, YELLOW
- YL — YIELD LINE

* ITEM 646 ON CONCRETE AND BRICK SURFACES





SE WALK REPLACEMENT DETAIL
SCALE: 1" = 5'

HORIZONTAL SCALE IN FEET
0 5 10 20

NOTES:

- UNLESS OTHERWISE NOTED, ALL UTILITIES AND OTHER ITEMS WITHIN THE WORK LIMITS ARE TO REMAIN

DETAILED PLAN
BROADWAY AVENUE & MCBRIDE AVENUE

CUY-BROADWAY AVE

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/31/2021 TIME: 4:36:42 PM USER: fessenden
P:\PID58742\113330\400-Engineering\Roadway\Sheets\Detailed\113330_Broadway and McBride.dgn

DESIGN AGENCY
B&N burgessniple.com

DESIGNER	MDO
REVIEWER	AR 12/4/2020
PROJECT ID	113330
SHEET	90
TOTAL	91