

ITEM 614, MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NO CHANGES IN TRAFFIC PATTERNS SHALL TAKE PLACE DURING PEAK HOURS, 6:00 A.M TO 9:00 A.M AND 3:00 P.M TO 6:00 P.M MONDAY THROUGH FRIDAY. NO NIGHTTIME WORK IS ALLOWED.

ON TWO LANE ROADWAYS, TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10 AND CHAPTER 6E FLAGGER CONTROL OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION, LATEST REVISION.

FOR ALL OTHER ROADWAYS, A MINIMUM OF ONE-LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWINGS MT-95, MT-95.32 AND MT-95.61.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-110.10. IN ADDITION TO THE REQUIREMENTS OF MT-110.10, THE CONTRACTOR SHALL LIMIT THE TIME BETWEEN ITEM 202 WALK REMOVAL AND ITEM 608 CONCRETE WALK AND CURB RAMPS TO A MAXIMUM DURATION OF 14 CALENDAR DAYS.

NO FULL ROADWAY CLOSURES AND DETOURS ARE ANTICIPATED FOR ANY OF THE PROJECT LOCATIONS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS

NO WORK SHALL BE PERFORMED AND THE SAME NUMBER OF LANES AS WERE AVAILABLE AT THE START OF THE PROJECT SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER LANE VALUE CONTRACT (PN127).

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO PERMITS AND PIO
RAMP AND ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS AND < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES/RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT'D)

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 620 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 0.2 M. GAL.

MAINTENANCE OF TRAFFIC NOTES

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MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 4/13/2021 TIME: 11:24:52 PM USER: tofman P:\PR98742\113330\400-Eng\Ineefng\Roadway\Sheets\113330_MN001.dgn


DESIGN AGENCY



DESIGNER	BPT
REVIEWER	AR 09-08-20
PROJECT ID	113330
SHEET	TOTAL
5	91

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	9	10	11	12							01/SAF/OT	EXT	TOTAL				
												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						
		169										169	630	03100	169	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	
		250.5										250.5	630	80100	250.5	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	630	87500	23	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
												2	630	87520	2	EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	
												42	630	97700	42	EACH	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)	13
												1	644	00100	1	MILE	EDGE LINE, 4"	
												231	644	00500	231	FT	STOP LINE, 18"	
												2,748	644	00600	2,748	FT	CROSSWALK LINE, 12"	
												3,040	644	00600	3,040	FT	CROSSWALK LINE, 24"	
												1	644	50100	1	EACH	PAVEMENT MARKING, MISC.: REMOVAL OF PAVEMENT MARKING	13
												2,906	644	50300	2,906	FT	PAVEMENT MARKING, MISC.: REMOVAL OF PAVEMENT MARKING	13
												649	646	10500	649	FT	CROSSWALK LINE, 12"	
												809	646	10500	809	FT	CROSSWALK LINE, 24"	

GENERAL SUMMARY

DESIGN AGENCY	
DESIGNER	MDO
REVIEWER	AR 09-08-20
PROJECT ID	113330
SHEET	7
TOTAL	91


MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 4/13/2021 TIME: 11:24:53 PM USER: totman
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CUY

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	10	11	12	37								01/SAF/OT	EXT	TOTAL				
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	
	417											417	625	25402	417	FT	CONDUIT, 2", 725.05	
	319											319	625	25502	319	FT	CONDUIT, 3", 725.05, CONCRETE ENCASED	
	2											2	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	
		21										21	632	26000	21	EACH	PEDESTRIAN PUSHBUTTON	
		458										458	632	29900	458	FT	MESSANGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	
		5,148										5,148	632	40500	5,148	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	
		47										47	632	64020	47	EACH	PEDESTAL FOUNDATION	
		2,561										2,561	632	65200	2,561	FT	LOOP DETECTOR LEAD-IN CABLE	
		60										60	632	68200	60	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	
		1,103										1,013	632	69800	1,013	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	
		4										4	632	72131	4	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN	
		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	
			1									1	632	90020	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTAL	
			8									8	632	90020	8	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTRIAN HYBRID BEACON	
			21	8								29	632	90020	29	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PEDESTRIAN SIGNAL HEAD	
			1	4								5	632	90020	5	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, PUSHBUTTON	
			4									4	632	90020	4	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, SIGNAL POLE AND MAST ARM	
			14									14	632	90400	14	EACH	SIGNALIZATION, MISC.: REMOVAL OF FLASHER ASSEMBLY	
		16		8								24	632	90400	24	EACH	SIGNALIZATION, MISC.:PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, RETROFITTED	
			8									8	632	90400	8	EACH	SIGNALIZATION, MISC.: PEDESTRIAN HYBRID BEACON	
		696										696	632	90500	696	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSANGER WIRE	
			2									2	633	65510	2	EACH	CABINET, TYPE TS-2	
			2									2	633	99000	2	EACH	CONTROLLER ITEM, MISC.: CONTROLLER TYPE SIEMENS M-60	
				4								4	632	20750	4	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON	
MAINTENANCE OF TRAFFIC																		
620												620	614	11110	620	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
0.2												0.2	616	10000	0.2	MGAL	WATER	
INCIDENTALS																		
												LS	614	11000	LS		MAINTAINING TRAFFIC	
												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	

GENERAL SUMMARY

CUY
 MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 4/13/2021 TIME: 11:24:54 PM USER: totman
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DESIGN AGENCY

 burgesnipe.com

DESIGNER
 MDO

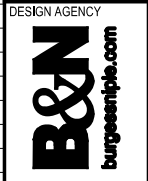
REVIEWER
 AR 09-08-20

PROJECT ID
 113330

SHEET TOTAL
 8 91

Intersection Priority Number	SHEET CODE	Intersection	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	630	630	630	630	630	630
			GROUND ROD	CONNECTION, FUSED PULL APART	CONNECTION, UNFUSED PULL APART	CONNECTION, UNFUSED BOLTED	NO. 4 AWG 600 VOLT DISTRIBUTION CABLE	NO. 10 AWG POLE AND BRACKET CABLE	CONDUIT, 2", 725.05		CONDUIT, 3", 725.05 CONCRETE ENCASED	REMOVAL OF LUMINAIRE AND REERECTION	TRENCH				PULL BOX, 725.06, SIZE 4	POWER SERVICE	LIGHT POLE REMOVED	LIGHT POLE REMOVED FOR REERECTION	LIGHT POLE FOUNDATION, 24" X 8' DEEP	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN ATTACHMENT ASSEMBLY, MAST ARM	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET
			EACH	EACH	EACH	EACH	FT	FT	FT		FT	EACH	FT		EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	SF	EACH	EACH
1	38	Chester Avenue & East 70th Street	3						78						4										
2	39	Chester Avenue & East 71st Street	4						59						4										
5	40	Superior Avenue & East 87th Street																							
6	42	Superior Avenue & East 91st Street	1						8				8									6	26.5		
7	44	Superior Avenue & East 99th Street	2						134				134							54					
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				27	2	4	47		
11	51	West 116th Street and Clifton Boulevard	2												1					27	2	4	47		
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						13		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						10		56	66			2										
51	91	Chester Avenue & East 13th Street	1						28			28													
TOTALS CARRIED TO GENERAL SUMMARY			58	4	2	6	45	70	417		319	2	701		12	2		2	2	169	4	20	250.5	15	10


TRAFFIC SUBSUMMARY



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

Intersection	Priority Number	SHEET CODE	Intersection																				
			REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN	SIGNALIZATION, MISC.: PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, RETROFITTED	PEDESTRIAN PUSHBUTTON	MESSENGER WIRE, 7 STRAND, 1/4" DIAMETER WITH ACCESSORIES	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	LOOP DETECTOR LEAD-IN CABLE	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	PEDESTAL FOUNDATION	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG	CONDUIT RISER, 2" DIAMETER	PEDESTAL, 8", TRANSFORMER BASE	PEDESTAL, 11", TRANSFORMER BASE	STRAIN POLE, TYPE TC-81.11, DESIGN 8	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN
			EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT	EACH	EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH
1	38			2		8		8		135	1220		1204		3			1		3			
2	39					8		8		138	906		906		4			1		4			
5	40								2														
6	42					1	1	1		42	121		116		1			1	1				
7	44					2	2				347				2				2				
8	46					1	5			102	230				1			1	1				
9	47			2										2							2		
10	48					2		2	91		151	268	164	2		30	759	1				2	
11	51					2		2	98		158	275	171	2		30	254	1				2	
12	54					2				55	115							1					
13	55					6			146	70	430			1				2		1			
14	56			2																	2		
15	58					2	4		65	65	236							2					
16	59																						
17	60		2		2										2								
20	61		4		2										2								
21	62				2										2								
22	63		1		2										2								
23	64				2									2							2		
24	65				2										2								
25	66				2										2								
26	67				2										2								
27	69		1		2										2								
28	71		3		2										2								
29	73		3		2										2								
30	75		2		2										1								
31	76																						
32	77																						
35	80																						
36	81																						
38	82		1		2										2								
39	83		1		2										2								
41	84		2		2										2								
42	85		1		2										2								
43	86		2		2										2								
44	87					4	2			89	378				1					1			
45	88				2									2								2	
49	89				2										2								
50	90					8			58		722				1		1	1					
51	91					1					134				1			1	1				
TOTALS CARRIED TO GENERAL SUMMARY			23	2	42	47	16	21	458	696	5148	543	2561	13	47	60	1013	12	6	8	1	8	4

TRAFFIC SUBSUMMARY

DESIGN AGENCY

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



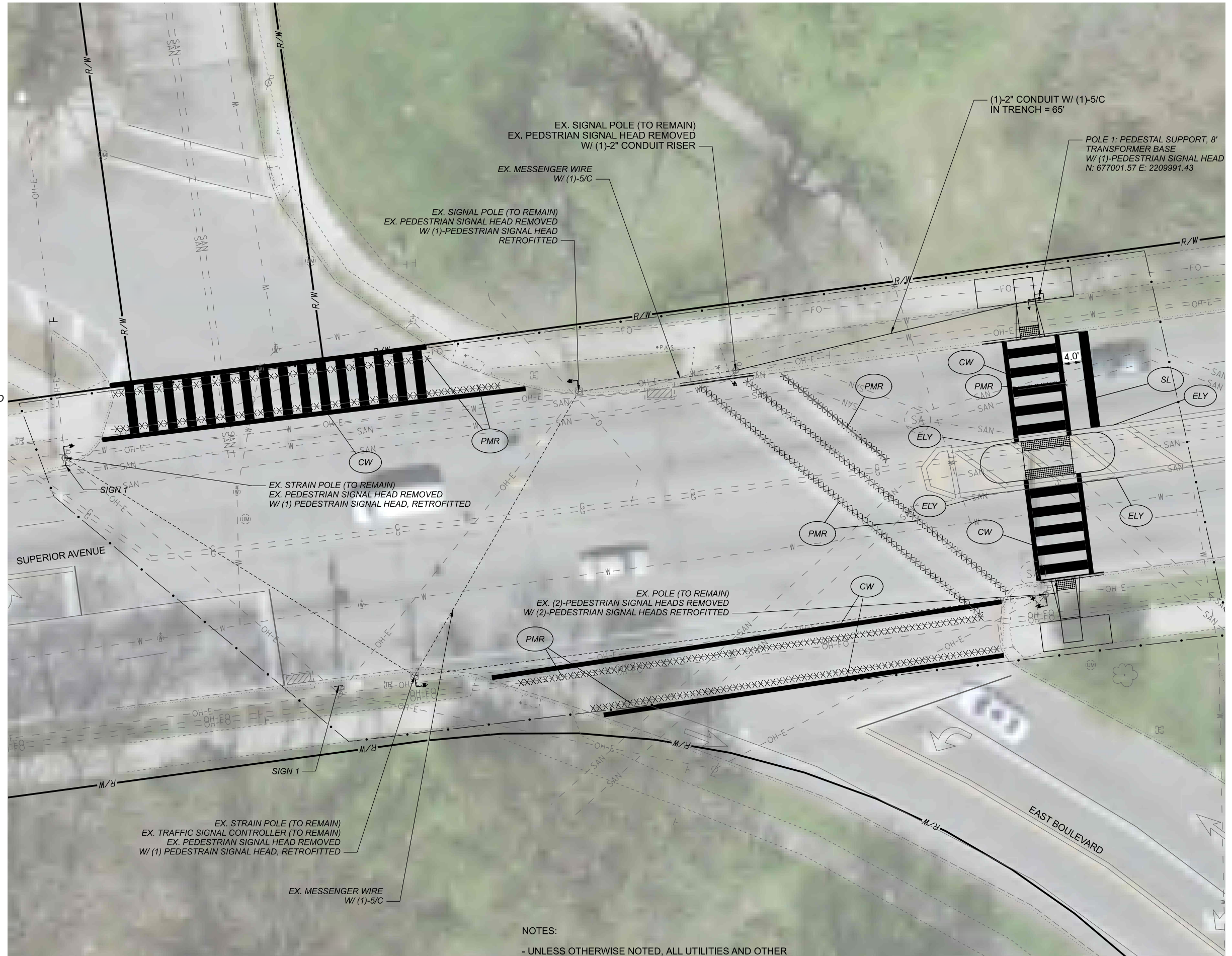
R9-3-18

SIGN 1

LEGEND

- OVERHEAD SIGN SUPPORT
- PEDESTAL SUPPORT
- TRAFFIC CONTROLLER CABINET
- PROPOSED SIGNAL CONDUIT
- TRAFFIC PULL BOX
- LIGHTING PULL BOX
- PUSHBUTTON
- CONVENTIONAL LUMINAIRE
- 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



NOTES:

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



HORIZONTAL SCALE IN FEET













DETAILED PLAN - TRAFFIC
 SUPERIOR AVENUE AND EAST BOULEVARD






DESIGN AGENCY



DESIGNER	MDO
REVIEWER	AR
PROJECT ID	09-08-20
SHEET	113330
TOTAL	46
	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



W11-2-36
W16-7PL-24

R10-23A-24

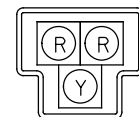
R10-6a-24

SIGN 1

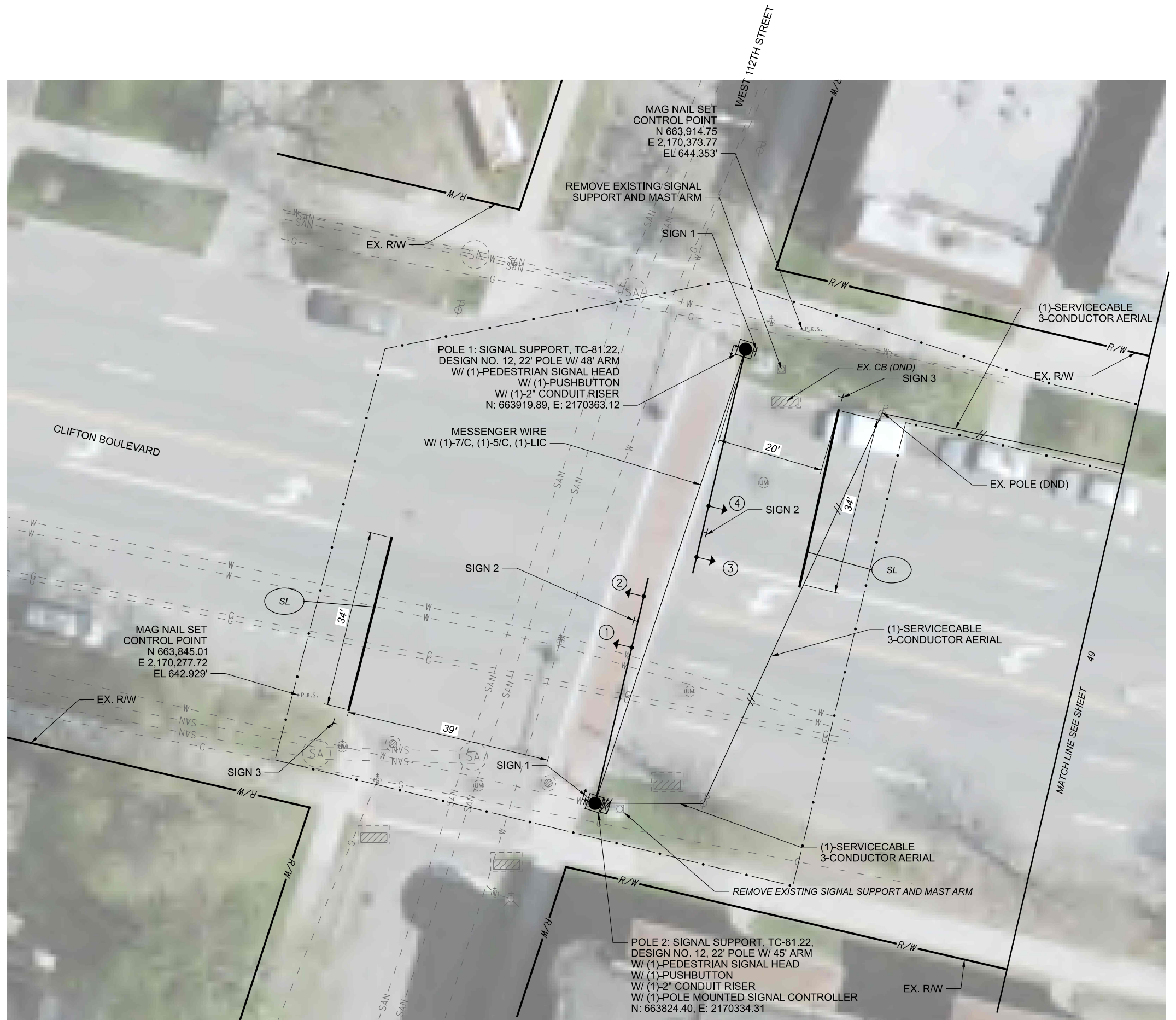
SIGN 2

SIGN 3

LED SIGNAL HEADS

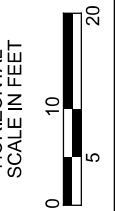


① ② ③ ④



NOTES:

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



DIAGRAMMATIC PLAN
WEST 112TH STREET & CLIFTON BOULEVARD

DESIGN AGENCY

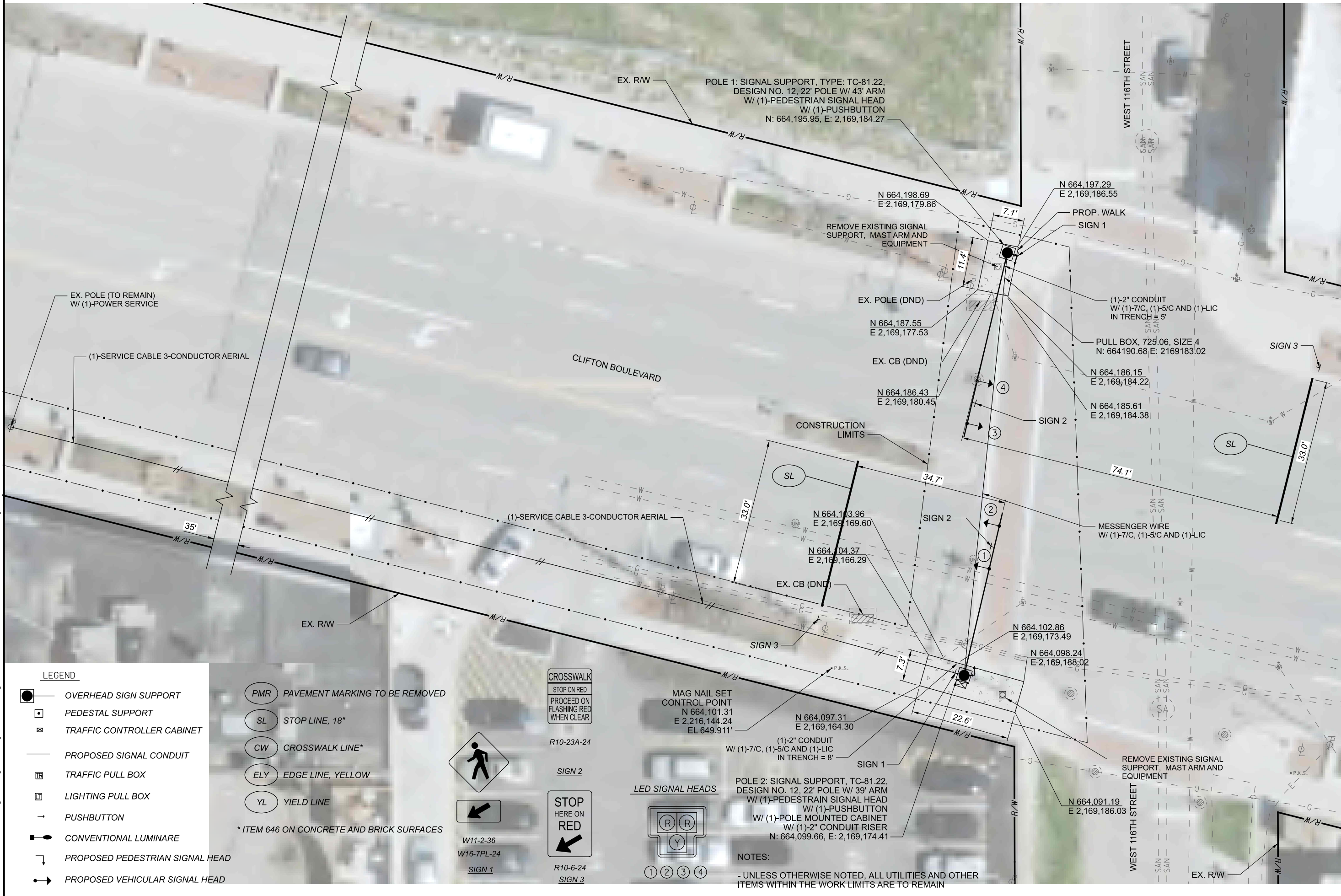


DESIGNER
MDO

REVIEWER
AR 09-08-20

PROJECT ID
113330

SHEET TOTAL
48 91

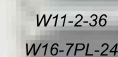


LEGEND

- 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



W11-2-36
W16-7PL-24

SIGN 1



R10-23A-24

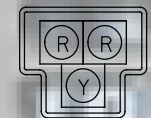
SIGN 2



R10-6-24

SIGN 3

LED SIGNAL HEADS



POLE 2: SIGNAL SUPPORT, TC-81.22, DESIGN NO. 12, 22' POLE W/ 39' ARM W/ (1)-PEDESTRIAN SIGNAL HEAD W/ (1)-PUSHBUTTON W/ (1)-POLE MOUNTED CABINET W/ (1)-2" CONDUIT RISER
 N: 664,099.66, E: 2,169,174.41

NOTES:

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



HORIZONTAL SCALE IN FEET
0 10











DIAGRAMMATIC PLAN
WEST 116TH STREET & CLIFTON BOULEVARD






DESIGN AGENCY



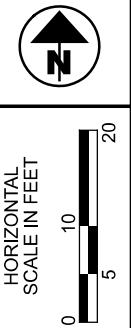
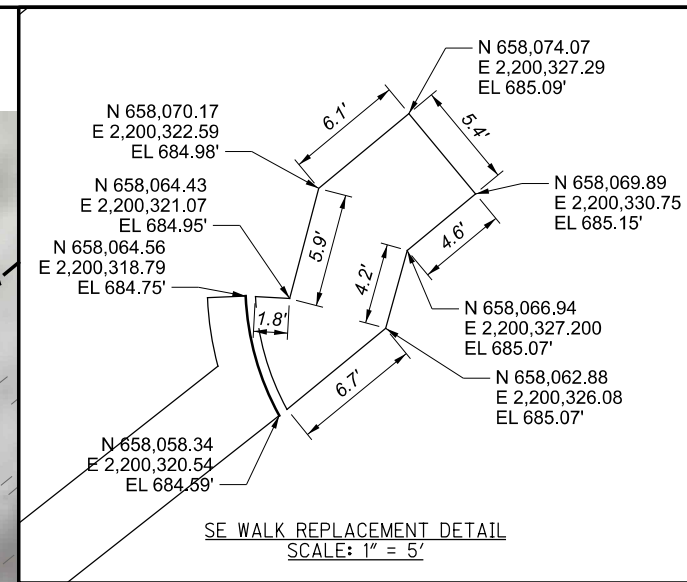
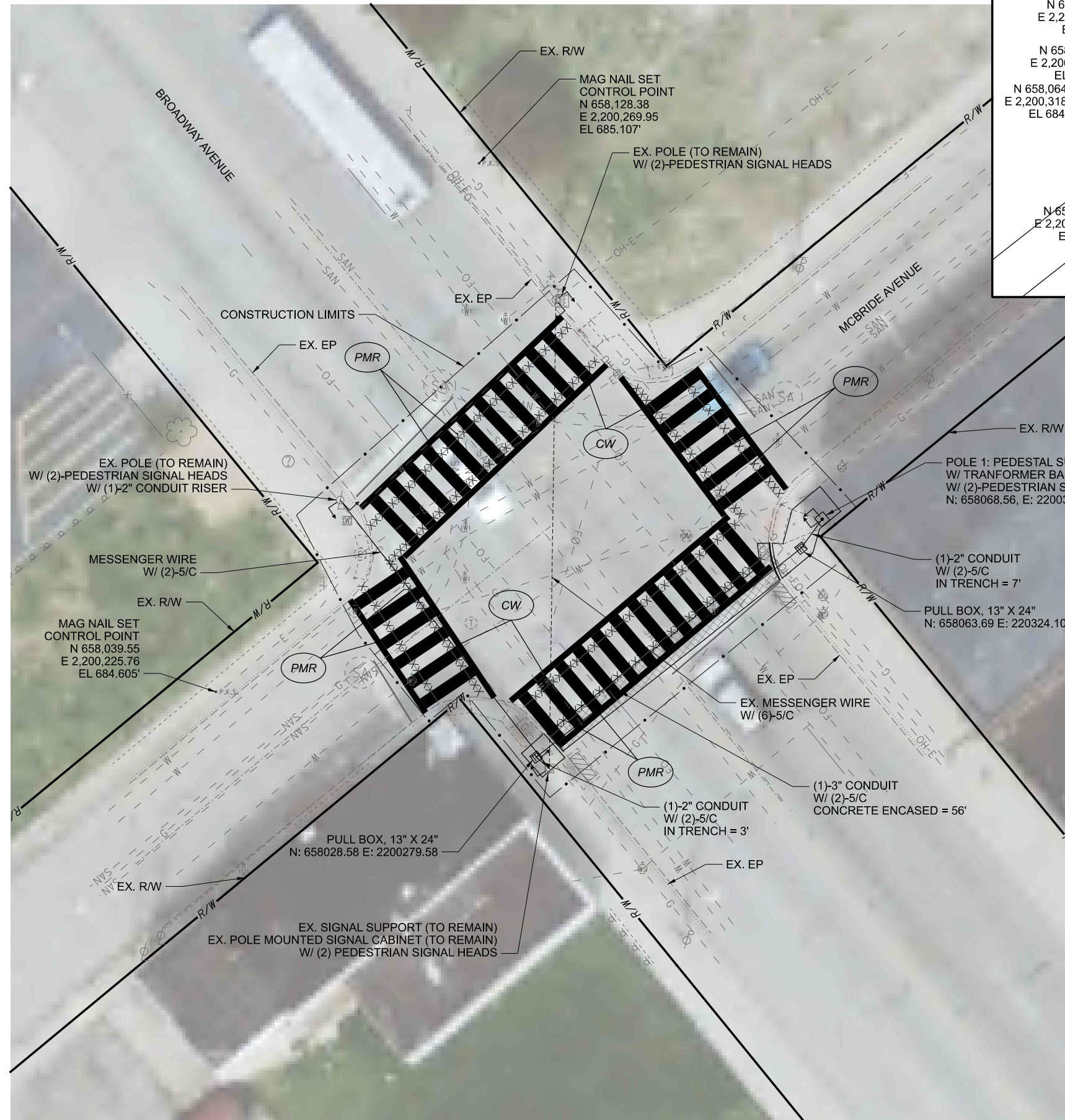
DESIGNER	MDO
REVIEWER	AR 12/4
PROJECT ID	11333
SHEET	51

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



DETAILED PLAN
 BROADWAY AVENUE & MCBRIDE AVENUE

DESIGN AGENCY	
B&N burgensteph.com	
DESIGNER	MDO
REVIEWER	AR
PROJECT ID	113330
SHEET	TOTAL
90	91

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