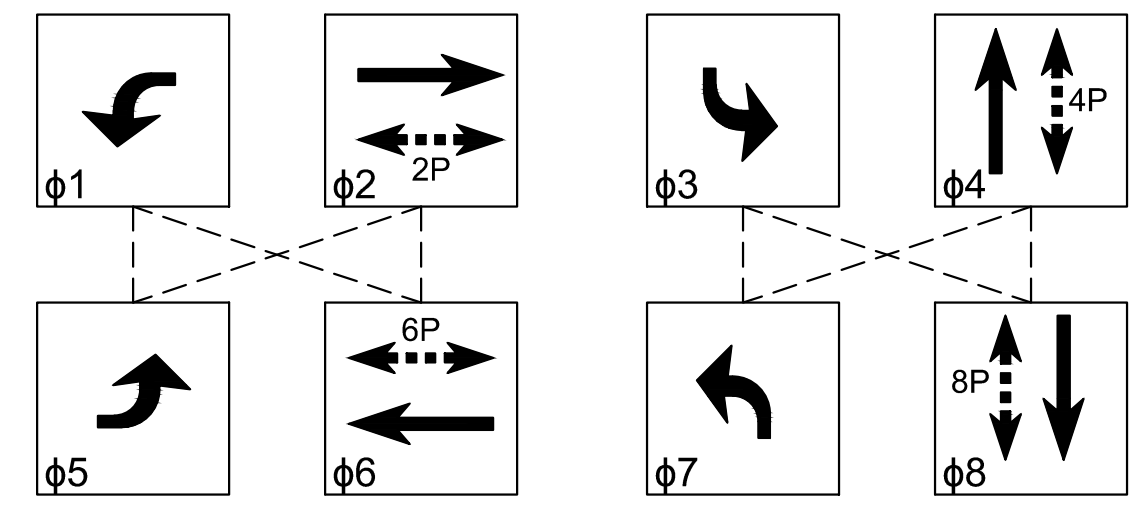


J:\PROJECTS\2021\1010455_COW_21ST STREET FROM MOSLEY TO I-135\00 210455 CAD\SHOTS\05 CIVIL SIGNALS\210455-65-5600.DWG
 PLOTTED: Wednesday, December 28, 2022 @ 04:57PM

PHASE DIAGRAM

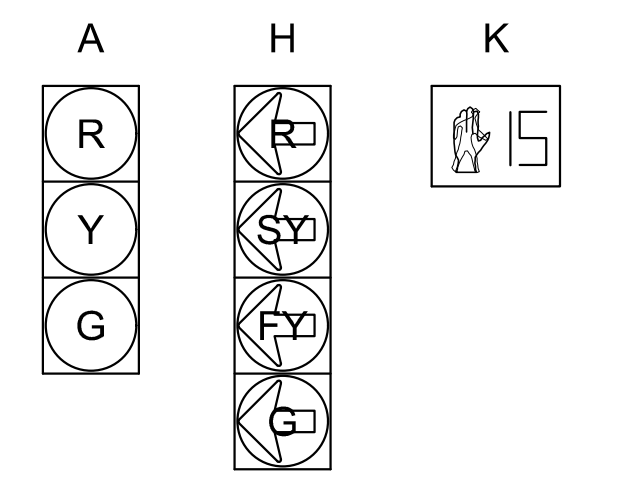


21ST STREET NORTH CLEVELAND

NOTE: DOTTED LINES CONNECTING PHASES INDICATE PHASES THAT CAN OCCUR CONCURRENTLY. PEDESTRIAN PHASE TO ONLY OCCUR AFTER PUSH BUTTON ACTIVATION.

SIGNAL FACES

NOTE: ALL LENSES SHALL BE 12" L.E.D. PEDESTRIAN LENSES SHALL BE 16" AND BE COUNTDOWN SIGNALS.



STRUCTURE LOCATIONS

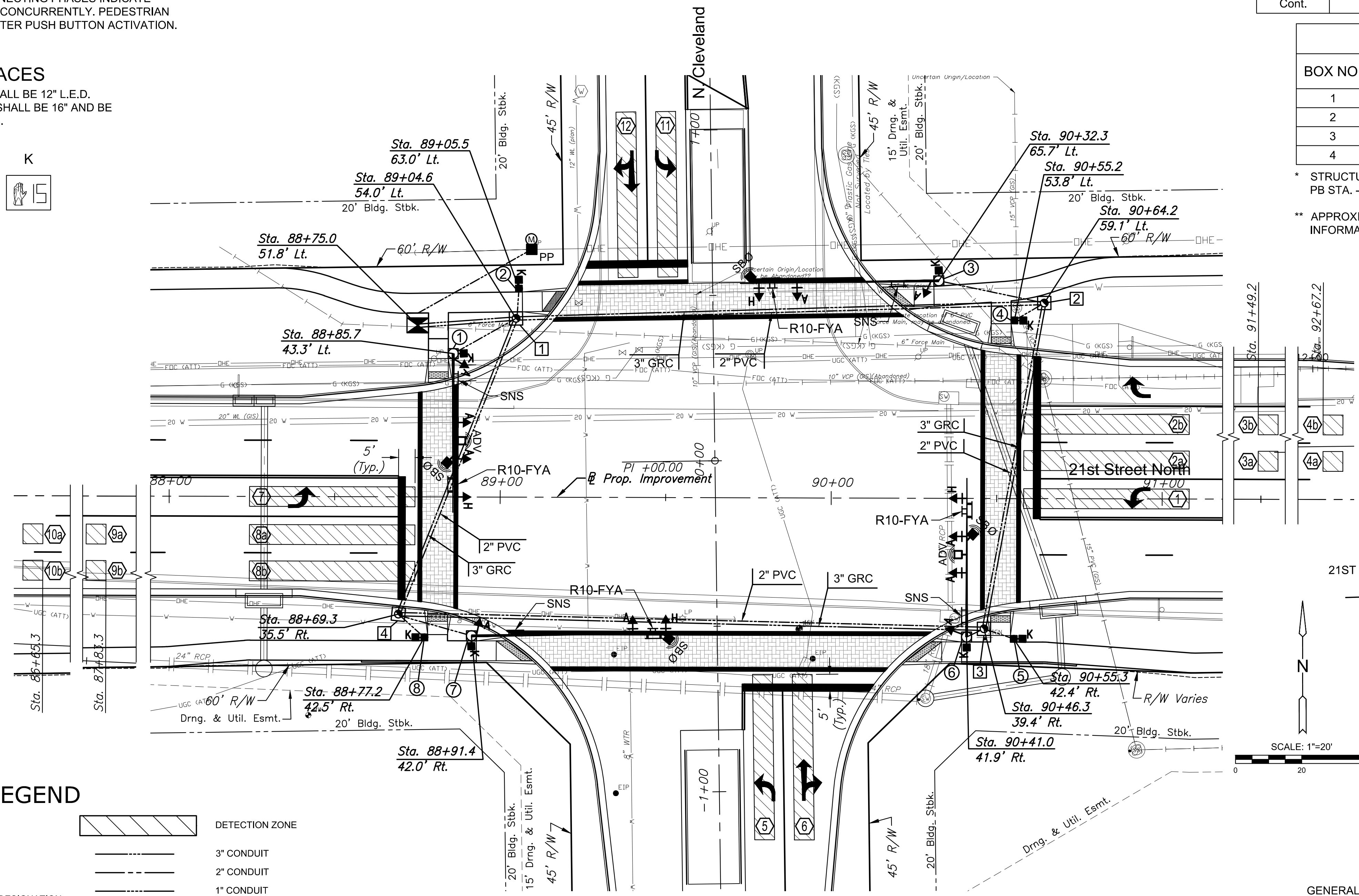
POLE NO.	* TYPE	STATION	OFFSET	NORTHING	EASTING	** ELEV.
1	POLE	88+85.7	43.3' Lt.	1699232.071	1653185.722	1308.73
2	PED	89+05.5	63.0' Lt.	1699251.715	1653205.564	1309.22
3	POLE	90+32.5	65.7' Lt.	1699254.073	1653332.407	1309.54
4	PED	90+55.2	53.8' Lt.	1699242.100	1653355.269	1308.98
5	PED	90+55.3	42.4' Rt.	1699145.874	1653355.050	1309.16
6	POLE	90+41.0	41.9' Rt.	1699146.439	1653340.801	1309.07
7	POLE	88+91.4	42.0' Rt.	1699146.784	1653191.208	1308.67
8	PED	88+77.2	42.5' Rt.	1699146.316	1653176.982	1308.66
Meter	-	89+09.4	74.9' Lt.	1699263.592	1653209.451	N/A
Cont.	-	88+75.0	51.8' Lt.	1699240.612	1653174.996	1308.89

SERVICE BOX LOCATIONS

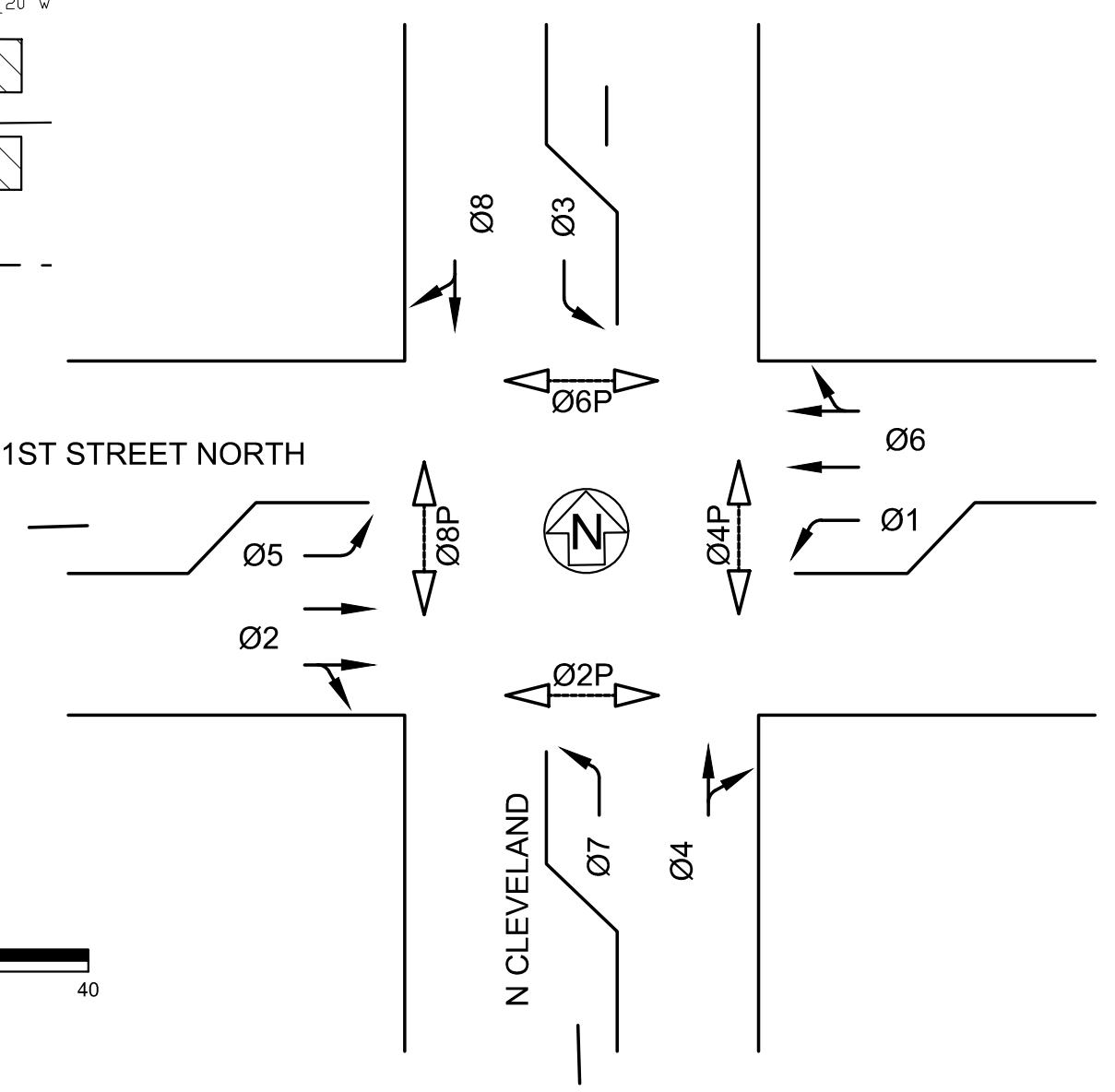
BOX NO.	STATION	OFFSET	NORTHING	EASTING	** ELEV.
1	89+04.6	54.0' Lt.	1699242.703	1653204.683	1308.96
2	90+64.2	59.1' Lt.	1699247.364	1653364.268	1309.27
3	90+46.3	39.4' Rt.	1699148.896	1653346.056	1309.03
4	88+69.3	35.5' Rt.	1699153.331	1653169.127	1308.34

* STRUCTURE TYPES: POLE - TRAFFIC SIGNAL POLE; PED - TRAFFIC SIGNAL PEDESTAL; PB STA. - APS PUSH BUTTON STATION

** APPROXIMATE TOP OF FOUNDATION. SEE STANDARDS AND SPECS FOR ADDITIONAL INFORMATION. FOUNDATIONS SHALL NOT CREATE A "LOW AREA".



SIGNAL PHASES



LEGEND

	LUMINAIRE		DETECTION ZONE
	TRAFFIC SIGNAL POLE		3" CONDUIT
	TRAFFIC SIGNAL PEDESTAL		2" CONDUIT
	APS PUSHBUTTON STATION		1" CONDUIT
	TRAFFIC SIGNAL HEAD W/TYPE DESIGNATION		SIGN ON 1 POST
	TRAFFIC SIGNAL HEAD W/TYPE DESIGNATION & BACKPLATE		SIGN ON 2 POSTS
	PEDESTRIAN SIGNAL & PUSHBUTTON		RADAR DETECTION (ADVANCE OR STOP BAR)
	POLE MOUNTED CONTROLLER		VIDEO DETECTION CAMERA
	PAD MOUNTED CONTROLLER		PTZ CCTV
	SERVICE BOX		DETECTOR NUMBER
	SECONDARY SERVICE POINT		POLE/PEDESTAL NUMBER
	PEDESTRIAN PUSHBUTTON		SERVICE BOX NUMBER
	POWER POLE		
	METER BOX AND POWER DISCONNECT		

GENERAL NOTES:

- CONDUIT RUNS ARE APPROXIMATE & MAY BE FIELD ADJUSTED TO CLEAR OBSTRUCTIONS & FACILITATE WIRING, AS APPROVED BY THE ENGINEER. ALL CONDUIT RUNS SHALL BE STRAIGHT BETWEEN BOXES AND/OR FOUNDATIONS.
- EXISTING FEATURES & UTILITIES ARE SHOWN FROM AVAILABLE INFORMATION & SHOULD BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY UTILITIES & THEIR EXACT LOCATION PRIOR TO CONSTRUCTION.
- CONDUIT SHALL BE INSTALLED BEFORE PLACING OF NEW PAVEMENT.
- SEE SHEET 60 "TRAFFIC SIGNAL INSTALLATION DETAIL SHEET" (TR-105) FOR SIGN SPACING AND ADDITIONAL DETAILS.



STREET IMPROVEMENTS FOR
21ST STREET - MOSLEY TO I-135
 PHASE 1

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TRAFFIC SIGNAL PLAN 21ST AND CLEVELAND

PROJECT NO.	472-2021-085733	
DATE	12/28/2022	
SCALE	1"=20'	
DESIGNED	SLF	
DRAWN	WNJ	
CHECKED	JRA	
NO.	REVISION	DATE
SHEET NO.		
58 OF 92		