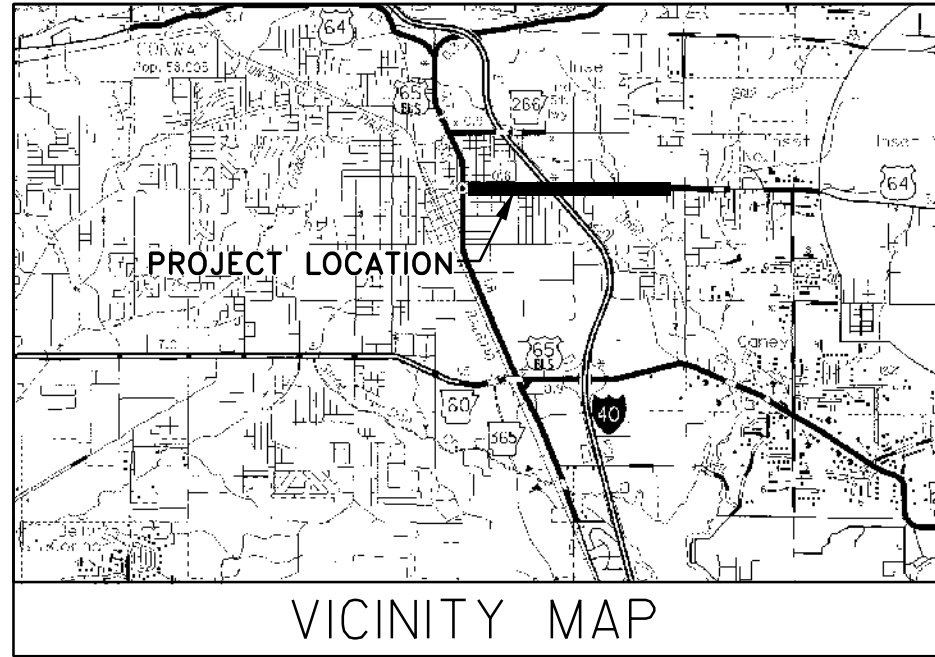


DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	1	65
TITLE SHEET						

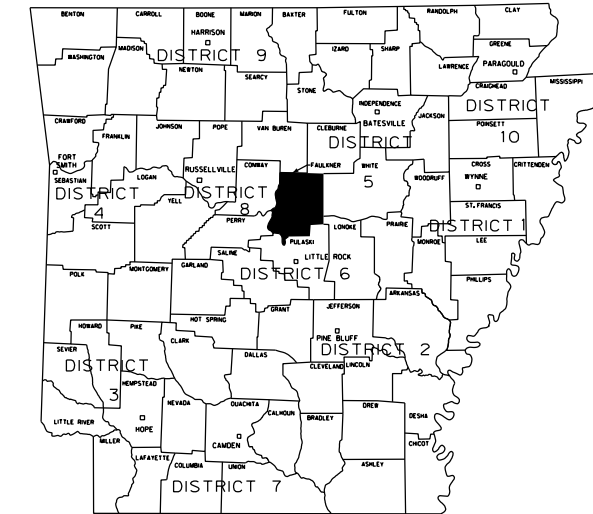


HWY. 64 TRAFFIC
OPS. IMPVTS. (OAK ST.)
(CONWAY) (S)

FAULKNER COUNTY

ROUTE 64 SECTION 9

JOB NO. 080576
FED. AID PROJ. STPU-9095(37)



ARKANSAS HIGHWAY DISTRICT 8

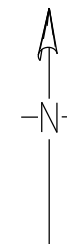
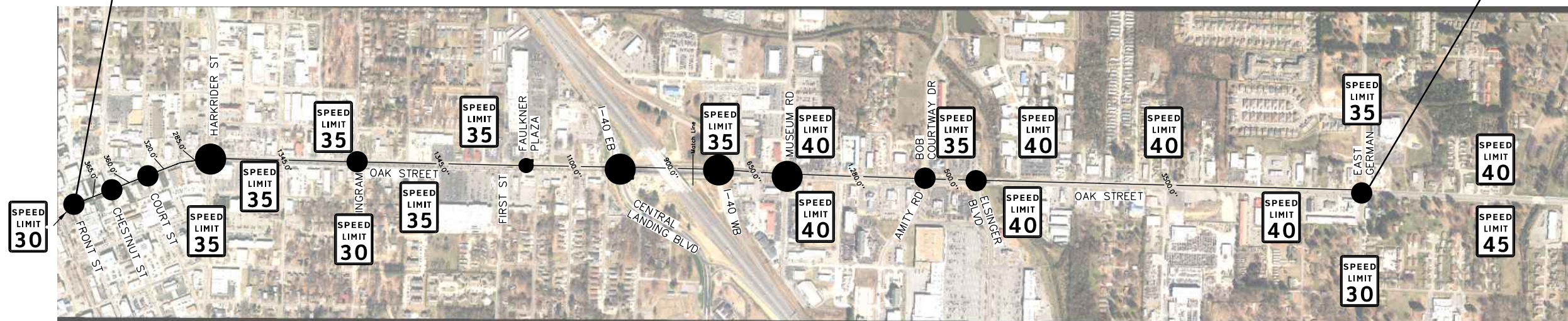


DESIGN TRAFFIC DATA

DESIGN YEAR-----2021
 2021 ADT-----28,000
 2041 ADT-----30,000
 2041 DHV-----3,300
 DIRECTIONAL DISTRIBUTION-----60%
 TRUCKS-----6%
 DESIGN SPEED-----35 MPH

BEGIN JOB 080576
OAK STREET

END JOB 080576
OAK STREET



PROJECT COORDINATES

	BEGIN	MID-POINT	END
LATITUDE	N 35° 05' 26"	N 35° 05' 27"	N 35° 05' 28"
LONGITUDE	W 92° 25' 16"	W 92° 25' 16"	W 92° 24' 04"

LENGTH COMPUTED ALONG C.L. MEDIAN

GROSS LENGTH OF PROJECT 11,950.00 FEET OR 2.263 MILES
 NET LENGTH OF ROADWAY 0.00 FEET OR 0.000 MILES
 NET LENGTH OF BRIDGES 0.00 FEET OR 0.000 MILES
 NET LENGTH OF PROJECT 0.00 FEET OR 0.000 MILES

LEGEND:

● PROJECT SIGNALIZED INTERSECTION

INDEX OF SHEETS

SHEET NO.	TITLE	DRWG. NO.	DATE
1	TITLE SHEET		
2	INDEX OF SHEETS AND GOVERNING SPECIFICATIONS		
3	GENERAL NOTES AND TRAFFIC SIGNAL NOTES		
4	SUMMARY OF QUANTITIES AND REVISIONS		
5	TRAFFIC SIGNAL QUANTITIES RECAP		
6-7	SYSTEM MAP SHEET		
8-65	SIGNALIZATION PLAN SHEET		
8-12	Front Street		
13-16	Chestnut Street		
17-20	Court Street		
21-25	Harkrider Street		
26-30	Ingram Street		
31-35	Faulkner Plaza		
36-40	I-40 EB/Central Landing Boulevard		
41-45	I-40 WB		
46-50	Museum Road		
51-55	Bob Courtway Drive/Armitage Road		
56-60	Elsinger Boulevard		
61-65	East German Lane		
65-73	STANDARD DETAILS		
65	Curbing Details (CG-1)		
66	Controller Cabinet Utility Drawer (SD-5)		
67	Heavy Duty Pull Box (SD-6)		
68	Signal Head Placement (SD-8)		
69	Service Point (SD-9)		
70	Steel Pole With Mast Arm (SD-11)		
71	Service Point Installation With Supplemental Grounding Array (SD-12)		
72	Wheelchair Ramps New Construction And Alterations (WR-1)		
73	Wheelchair Ramps Alterations Only (WR-2)		

GOVERNING SPECIFICATIONS

ARKANSAS HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-4	DEPARTMENT NAME CHANGE
108-1	LIQUIDATED DAMAGES
JOB 080576	GENERAL REQUIREMENTS
JOB 080576	CABINET DRAWER ASSEMBLY
JOB 080576	TRAFFIC SIGNAL CONTROLLER (MODIFICATION)
JOB 080576	DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
JOB 080576	WHEELCHAIR RAMPS - ALTERATIONS
JOB 080576	EDGE CARD VIDEO PROCESSOR
JOB 080576	LED TRAFFIC SIGNAL HEAD
JOB 080576	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
JOB 080576	VECTOR NEXT SENSOR
JOB 080576	EMERGENCY BATTERY BACKUP SYSTEM
JOB 080576	RELOCATION OF TRAFFIC SIGNAL HEAD
JOB 080576	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT
JOB 080576	TRAFFIC SIGNAL TIMER UNIT WITH MMU
JOB 080576	SERVICE POINT ASSEMBLY (TRAFFIC CONTROL DEVICES)
JOB 080576	PAN-TILT-ZOOM (PTZ) CAMERA SYSTEM
JOB 080576	E-NET CABLE
JOB 080576	ELECTRICAL CONDUCTORS-IN-CONDUIT
JOB 080576	ELECTRICAL CONDUCTORS FOR LUMINAIRES
JOB 080576	RETROREFLECTIVE BACKPLATES

LOCATION: FRONT STREET - EAST GERMAN
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08
DRAWN BY: HALFF

TRAFFIC SIGNAL NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (CURRENT EDITION) NATIONAL ELECTRICAL CODE, NFPA 101 (CURRENT EDITION) LIFE SAFETY CODE, STATE ELECTRICAL CODE AND LOCAL ELECTRICAL CODE.
2. EXTEND GREEN EQUIPMENT GROUNDING CONDUCTOR (E.G.C.) FROM GROUND BAR AT MAIN BREAKER TO CONTROL PANEL AND TO FIRST POLE. SOLIDLY BOND E.G.C. TO GROUND LUG OF CONTROL CABINET AND TO POLE GROUND. ENSURE THAT ONLY ONE NEUTRAL-TO-GROUND BOND EXISTS IN THE SYSTEM AND THAT IT IS AT THE MAIN BREAKER.
3. ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY/COUNTY TO A SERVICE POLE WITH EXTERNAL RAINTIGHT BREAKER (MAIN BREAKER), GALVANIZED STEEL SERVICE RISER, METER LOOP (IF REQUIRED), AND WEATHERHEAD AT A MUTUALLY ACCEPTABLE POINT WITHIN THE RIGHT-OF-WAY. IF THE SERVICE POINT IS OVER 10 FEET FROM THE CONTROLLER, THE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE TWO CIRCUIT EXTERNAL BREAKER (SECONDARY BREAKER) ON OR NEAR THE TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL INSTALL CONDUIT, ELECTRICAL SERVICE WIRE (2c/#6 A.W.G. USE RATED, WITH GROUND TYPICAL), AND PERFORM WIRING TO TAP INTO THE CITY'S/COUNTY'S MAIN BREAKER AS PART OF THIS CONTRACT. CONDUIT IS PAID FOR AS A SEPARATE ITEM OF THIS CONTRACT. TWO CIRCUIT BREAKERS, CONSIDERED SUBSIDIARY TO THE CONTROL EQUIPMENT, ARE NEEDED WHERE STREET LIGHTING IS INCLUDED. AS PART OF THE SIGNAL INSTALLATION, STREET LIGHTING CIRCUIT (2c/#12 A.W.G. UF RATED, TYPICAL) SHALL BE KEPT FROM THE CIRCUIT SERVING THE TRAFFIC SIGNAL CONTROL EQUIPMENT FROM THE POINT OF TIE-IN AT THE SECONDARY BREAKER PROVIDED BY THE CONTRACTOR.
4. CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE.
5. TRAFFIC CONTROLLER CABINET AND LAYOUT SHALL BE SUCH THAT IT IS NOT NECESSARY TO SHUT DOWN POWER OR REMOVE LOAD SWITCHES IN ORDER TO EASILY TEST OR MODIFY DETECTOR INPUTS TO THE CONTROLLER.
6. CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS.
7. ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, STANDARD DRAWINGS AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
8. CONDUIT INSTALLED UNDER ROADWAY SURFACES SHALL BE INSTALLED BY PUSHING OR BORING METHODS. IF THE ENGINEER DETERMINES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD AS SHOWN IN THE STANDARD DRAWINGS MAY BE USED.
9. TRAFFIC SIGNAL POLES SHALL BE GALVANIZED. BACKPLATES SHALL BE SUPPLIED FOR ALL SIGNAL HEADS.
10. PAVEMENT MARKINGS SHOWN FOR REFERENCE ONLY. SEE PERMANENT PAVEMENT MARKING DETAILS.
11. FOUNDATION FOR ALL POLES SHALL BE EXTENDED IF NECESSARY TO ACCOMMODATE THE REQUIREMENTS FOR SIGNAL HEAD CLEARANCE ABOVE ROADWAY ONLY AT LOCATIONS WHERE THE GROUND ELEVATION AT THE POLE IS BELOW THE ELEVATION OF THE ROADWAY (SEE NOTES ON STANDARD DRAWING). PAYMENT WILL BE INCLUDED IN SECTION 714 TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
12. ALL CONCRETE PULL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE THREE (3") INCH DIAMETER UNLESS SPECIFIED ON PLANS.
13. CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
14. LED LUMINAIRE ASSEMBLIES SHALL HAVE A BUG RATING OF U0.
15. HARDWARE INPUTS MAY BE DETERMINED BY SUPPLIER. EACH DETECTOR OUTPUT SHALL INPUT THE CONTROLLER THROUGH A SEPARATE INPUT UNLESS OTHERWISE NOTED AND BE PROGRAMMED TO ACTUATE THE ASSOCIATED PHASE. COMBINATION (COMB.) DETECTORS SHALL ALSO BE PROGRAMMED TO PROVIDE VEHICLE COUNT/OCCUPANCY DATA.
16. THE LOCAL RADIO WITH ANTENNA SHALL BE COMPATIBLE WITH THE EXISTING CLOSED LOOP COORDINATION SYSTEM IN THE CITY/COUNTY.
17. TO DETERMINE UTILITY CLEARANCES ABOVE THE TRAFFIC SIGNAL POLE, REFER TO THE POLE SCHEDULE FOR VERTICAL SHAFT HEIGHT. WHERE THE POLE SCHEDULE INDICATES THAT A LUMINAIRE ARM WILL BE USED, THIRTY-EIGHT (38") FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE LUMINAIRE ARM. WHERE THE POLE SCHEDULE INDICATES A TRAFFIC SIGNAL POLE WITHOUT A LUMINAIRE ARM, A HEIGHT OF TWENTY-ONE (21) FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE TRAFFIC SIGNAL MAST ARM. AN ADDITIONAL SIX (6) FEET SHOULD BE USED DIRECTLY ABOVE "VIDEO DETECTOR" AT LOCATIONS SHOWN ON THE SIGNAL PLANS.
18. THE DESIRABLE MINIMUM DISTANCE FROM THE FACE OF ROADWAY CURB OR SHOULDER EDGE TO THE FACE OF NON-BREAKAWAY POLE OR OBSTRUCTION IS SIX (6) FEET. REFER TO TRAFFIC SIGNAL PLANS FOR SPECIFIC LOCATION OF POLES, CONTROLLER AND ANY OTHER NON-BREAKAWAY OBSTRUCTIONS. REFER TO "DESIGN PARAMETERS, MINIMUM CLEAR ZONE DISTANCE" FOR MINIMUM DISTANCE FROM THE EDGE OF TRAVELED WAY TO THE FACE OF A NON-BREAKAWAY POLE OR OBSTRUCTION. TRAFFIC SIGNAL POLES OR ANY OTHER NON-BREAKAWAY OBSTRUCTION SHALL NOT BE INSTALLED WITHIN THE CLEAR ZONE.
19. AS DETERMINED BY THE ENGINEER, FOUNDATION EMBEDMENT MAY BE DECREASED BY A MAXIMUM OF TWO FEET IF COMPETENT ROCK IS ENCOUNTERED PRIOR TO ACHIEVING PLAN EMBEDMENT AND AT LEAST HALF OF THE REMAINING PLAN EMBEDMENT LENGTH IS KEYED INTO COMPETENT ROCK.
20. CONNECTION OF TRAFFIC SIGNAL DISPLAY TO FIELD WIRING SHALL UTILIZE AN APPROVED TERMINAL STRIP BEHIND HAND-HOLE COVER AT BASE OF POLE. TERMINAL STRIP SHALL PROVIDE PROTECTION TO PREVENT EXPOSURE TO THE PUBLIC IN THE EVENT THAT POLE COVER IS MISSING. PAYMENT FOR TERMINAL STRIPS SHALL BE INCLUDED IN ITEM 714 TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
21. CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO IMSA STANDARDS.
22. ONE VIDEO PROGRAMMING MODULE SHALL BE PROVIDED FOR AIMING AND SETUP OF DETECTORS IF THE VIDEO SYSTEM CANNOT BE ADJUSTED THROUGH HARDWARE AND SOFTWARE PROVIDED BY ITEMS WITHIN THE JOB.
23. TRAFFIC SIGNAL CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OR ASSIGNED DEPARTMENT PROJECT INSPECTOR EACH DAY PRIOR TO SIGNAL RELATED WORK. NO WORK ON TRAFFIC SIGNALS WILL BE ALLOWED OR APPROVED WITHOUT THIS PRIOR NOTIFICATION.
24. ALL STEEL POLES SHALL BE DESIGNED TO MEET THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4th EDITION (2001) WITH 2003 AND 2006 INTERIMS.
25. DOOR PANEL TEST PUSH BUTTONS SHALL ACTUATE INDICATED PHASES. DETECTOR ASSIGNMENTS AND/OR SIDE PANEL JUMPERS MAY REQUIRE MODIFICATION.
26. ALL SYSTEM DETECTOR RACKS AND ASSOCIATED EQUIPMENT SHALL BE PROTECTED BY THE MAIN CONTROLLER CABINET POWER SURGE PROTECTION.
27. IN PULL BOXES, POLE BASES, JUNCTION BOXES AND CONTROLLER CABINETS, THE DIRECTION OF EACH CABLE RUN SHALL BE INDICATED BY ATTACHING A PERMANENT TAG OF RIGID PLASTIC OR NON-FERROUS METAL TO THE CONDUIT. TAGS SHALL BE EMBOSSED, STAMPED OR ENGRAVED WITH LETTERS 1/4" OR GREATER IN HEIGHT AND SECURED TO THE CONDUIT WITH NYLON OR PLASTIC TIES. IN INSTANCES WHERE THE CONDUIT OR CONDUIT ENTRANCES ARE NOT VISIBLE OR ACCESSIBLE, A DIRECTION TAG SHALL BE ATTACHED TO EACH CABLE.
28. THE CONTRACTOR SHALL PERFORM ALL WORK POSSIBLE THAT WILL MINIMIZE THE TIME THAT THE TRAFFIC SIGNAL IS OUT OF OPERATION. IF, IN THE OPINION OF THE ENGINEER, TRAFFIC CONDITIONS WARRANT THE CONTRACTOR SHALL PROVIDE FLAGMEN TO DIRECT TRAFFIC WHILE THE TRAFFIC SIGNAL IS OUT OF OPERATION.
29. ALL NON-METALLIC CONDUIT RUNS SHALL HAVE BELL RING FITTINGS INSTALLED ON THE TERMINATING ENDS OF THE CONDUIT. THIS INCLUDES PULL BOXES, POLE BASES, AND TRAFFIC SIGNAL CABINETS.
30. ALL CONCRETE PULL BOXES SHALL BE SET ON A GRAVEL OR CRUSHED STONE BEDDING AS SPECIFIED IN SECTION 711, CONCRETE PULL BOX, OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014.

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	3	65
TRAFFIC SIGNAL NOTES						

LOCATION: FRONT STREET - EAST GERMAN
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDR.DGN
 T34372.NOTE.DGN

SUMMARY OF QUANTITIES

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	4	65
SUMMARY OF QUANTITIES AND REVISIONS						

REVISIONS

PAY ITEM NO.	PAY ITEM	UNIT	TOTAL
202	R&D CONCRETE WALKS	SY	185.5
202	R&D CURB AND GUTTER	LF	309
① 601	MOBILIZATION	LS	1
② 603	MAINTENANCE OF TRAFFICE	LS	1
③ 604	REMOVAL OF PERM. PVMT. MARK.	LF	1654
633	CONCRETE WALKS	SY	185.5
634	CC CURB & GUTTER - A (2')	LF	309
641	WHEELCHAIR RAMPS (TYPE 1)	SY	
641	WHEELCHAIR RAMPS (TYPE 2)	SY	
641	WHEELCHAIR RAMPS (TYPE 3)	SY	
641	WHEELCHAIR RAMPS (TYPE 4)	SY	
641	WHEELCHAIR RAMPS (TYPE 5)	SY	
SP	WHEELCHAIR RAMPS - ALTERATIONS (TYPE ALTERATION)	SY	7.4
SP & 701	SYS. LOCAL CNTRL. TS 2-TY.2, E-NET(8 PHASE)	EA	5
SP & 701	TRAFFIC TIMER UNIT w. MMU	EA	
704	ANTENNA CABLE (TYPE 6)	LF	70
SP&706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	EA	2
SP&706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	EA	8
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	LF	199
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	LF	958
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	LF	52
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	LF	2405
708	TRAFFIC SIGNAL CABLE (3C/14 A.W.G.)	LF	744
708	ELECTRICAL CONDUCTORS FOR LUMINAIRES	LF	542
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (1c/8 A.W.G., E.G.C.)	LF	863
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (1c/12 A.W.G., E.G.C.)	LF	46
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (2c/6 A.W.G.)	LF	132
709	GALVANIZED STEEL CONDUIT (1.25")	LF	40
710	NON-METALLIC CONDUIT (2")	LF	110
710	NON-METALLIC CONDUIT (3")	LF	77
711	CONCRETE PULL BOX (TYPE 2 HD)	EA	1
④ 733	VIDEO CABLE	LF	1813
④ 733	VIDEO DETECTOR (CLR)	EA	45
④ SP & 733	VIDEO PROCESSOR EDGE CARD (2 CAMERA)	EA	3
④ SP & 733	VIDEO EDGE CARD EXTENDER	EA	3
④ SP & 733	VEHICLE DETECTOR RACK (16 CHANNEL)	EA	3
SP & 714	TRAFFIC SIGNAL MODIFICATION	EA	3
719	THERMO. PVMT. MARK. WH(12")	LF	3032
719	THERMO. PVMT. MARK. WH(ARROW)	EA	1
SP	CONTROL MODULE	EA	
SP	SDLC INTERFACE	EA	
SP	ISOLATOR	EA	
SP	E-NET CABLE (EXTERIOR CAT 6E)	LF	9830
SP	PTZ CAMERA	EA	8
SP	RELOCATION OF TRAFFIC SIGNAL HEAD	EA	2
⑤ SP & 715	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	LS	5
SP	TRAFFIC SIGNAL SPLICE BOX	EA	1

DATE	ITEM	SHEET NUMBER

- ① ANY CLEARING AND GRUBBING REQUIRED TO BE COST ABSORBED UNDER MOBILIZATION BID ITEM. SEE NOTE 35, SHEET 3.
- ② THIS PAY ITEM IS INTENDED TO INCLUDE ALL TRAFFIC CONTROL DEVICES NEEDED TO MAINTAIN TRAFFIC, INCLUDING DRUMS, CONES, SIGNS, BARRICADES, ARROW BOARDS, AND CONCRETE BARRIERS. THE CONTRACTOR IS REQUIRED TO PROVIDE FOR MANUAL TRAFFIC CONTROL BY CONTRACTOR EMPLOYED OFF-DUTY LOCAL LAW ENFORCEMENT OFFICERS DURING THE TIME THE SIGNAL IS OUT OF OPERATION. SEE NOTES 31 & 26, SHEET NO. 3.
- ③ SEE NOTE 28, SHEET NO. 3.
- ④ CONTRACTOR TO REPLACE EXISTING VIDEO DETECTION PROCESSING EQUIPMENT WITH NEW CAMERA CARD PROCESORS AND EXTENDER. NEW 16 CHANNEL VEHICLE DETECTOR RACKS REQUIRED.
- ⑤ SIGNAL EQUIPMENT REMOVED FROM THE INTERSECTIONS SHALL BE THE PROPERTY OF THE CITY OF CONWAY (SEE SPECIAL PROVISION).

LOCATION: FRONT STREET - EAST GERMAN
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

TRAFFIC SIGNAL QUANTITIES

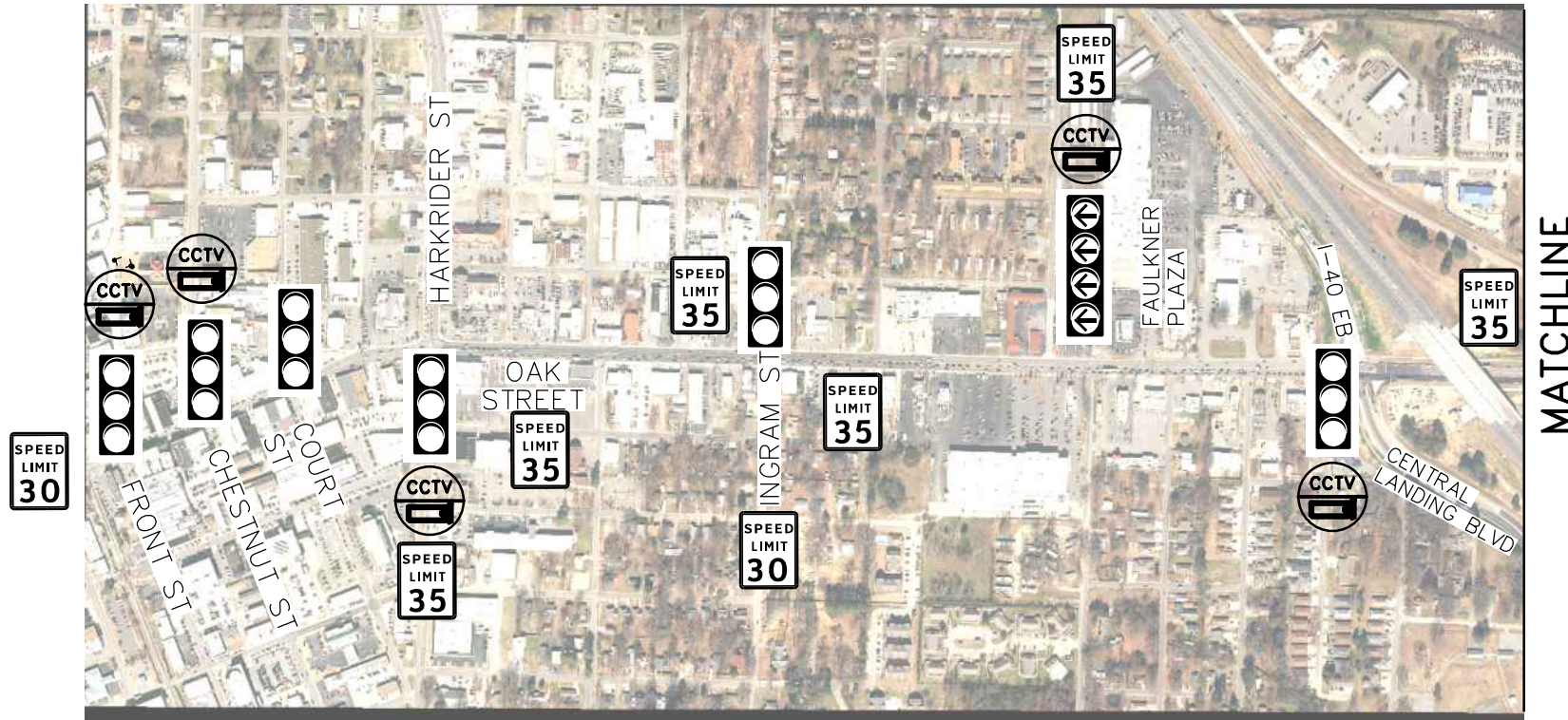
PAY ITEM NO.	PAY ITEM	UNIT	ESTIMATED QUANTITIES – CONWAY ADAPTIVE SIGNAL SYSTEM												TOTAL		
			OAK STREET														
			FRONT	CHESTNUT	COURT	HARKRIDER	INGRAM	FAULKNER PLAZA	I-30 EB	I-30 WB	MUSEUM	BOB COURTWAY	ELSINGER BLVD	EAST GERMAN			
202	R&D CONCRETE WALKS	SY						65.5						51		69	185.5
202	R&D CURB AND GUTTER	LF						106						96		107	309
601	MOBILIZATION	LS	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	1
603	MAINTENANCE OF TRAFFICE	LS	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	1
604	REMOVAL OF PERM. PVMT. MARK.	LF					470	25	58			380	203			518	1654
633	CONCRETE WALKS	SY						65.5						51		69	185.5
634	CC CURB & GUTTER - A (2')	LF						106						96		107	309
641	WHEELCHAIR RAMPS (TYPE 6)	SY						8.9						8.9		8.9	26.7
SP	WHEELCHAIR RAMPS - ALTERATIONS (TYPE ALTERATION)	SY	1.1					0.7	1.1	2.2	1.5					0.7	7.4
SP & 701	SYS. LOCAL CNTRL. TS 2-TY.2, E-NET(8 PHASE)	EA	1					1	1					1	1		5
SP & 701	TRAFFIC TIMER UNIT w. MMU	EA															0
702	LOCAL RADIO WITH ANTENNA RELOCATION	EA	1														1
704	ANTENNA CABLE (TYPE 6)	LF	70														70
SP&706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	EA														2	2
SP&706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	EA							1			2		1	4		8
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	LF												199			199
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	LF	446					512									958
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	LF												52			52
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	LF	1287					180					257	556	125		2405
708	TRAFFIC SIGNAL CABLE (3C/14 A.W.G.)	LF						744									744
708	ELECTRICAL CONDUCTORS FOR LUMINAIRES	LF						222						320			542
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (1c/8 A.W.G., E.G.C.)	LF	336					278					44	205			863
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (2c/8 A.W.G., E.G.C.)	LF						97						77			174
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (1c/12 A.W.G., E.G.C.)	LF												46			46
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (2c/6 A.W.G.)	LF	132														132
708	ELECTRICAL CONDUCTORS-IN-CONDUIT (2c/8 A.W.G.)	LF						28						22			50
709	GALVANIZED STEEL CONDUIT (1.25")	LF	20					20									40
710	NON-METALLIC CONDUIT (2")	LF	110														110
710	NON-METALLIC CONDUIT (3")	LF	22					375					22				419
711	CONCRETE PULL BOX (TYPE 2 HD)	EA	1					1									2
715	SERVICE POINT ASSEMBLY (2 CIRCUITS)	EA	1					1									2
733	VIDEO CABLE	LF	232	448			194			408	130	134	121		146		1813
733	VIDEO DETECTOR (CLR)	EA	4	4	3		4	4	3	4	4	4	4	3	4		45
SP & 733	VIDEO PROCESSOR EDGE CARD (2 CAMERA)	EA	1					1	1								3
SP & 733	VIDEO EDGE CARD EXTENDER	EA	1					1	1								3
733	VIDEO MONITOR (CLR)	EA	1					1	1								3
SP & 733	VEHICLE DETECTOR RACK (16 CHANNEL)	EA	1					1	1								3
SP & 714	TRAFFIC SIGNAL MODIFICATION	EA	1	1									1				3
719	THERMO. PVMT. MARK. WH(12")	LF					630	590	298				498	326	172	518	3032
719	THERMO. PVMT. MARK. WH(ARROW)	EA											1				1
SP	CONTROL MODULE	EA															0
SP	SDLC INTERFACE	EA															0
SP	ISOLATOR	EA															0
SP	E-NET CABLE (EXTERIOR CAT 6E)	LF	1041	1933	351		969	556	639	1213	854	462	642	539	631		9830
SP	PTZ CAMERA	EA	1	1			1			1	1	1	1		1		8
SP	RELOCATION OF TRAFFIC SIGNAL HEAD	EA										2					2
SP & 715	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	LS	1					1	1				1	1			5
SP	TRAFFIC SIGNAL SPLICE BOX	EA	1														1

LOCATION: FRONT STREET - EAST GERMAN
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08





DRAWN BY: HALFF

SYSTEM MAP

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	6	65
SYSTEM MAP SHEET						



LEGEND


 SIGNALIZED INTERSECTION W/FLASHING YELLOW ARROW MODIFICATION

 SIGNALIZED INTERSECTION

 PTZ CAMERA

 POSTED SPEED LIMIT

FRONT ST

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. REPLACE AND MOVE EXISTING CABINET, CONTROLLER, AND MMU.
5. REPLACE RADIO ANTENNA.
6. REWIRE INTERSECTION AND INSTALL A SPLICE BOX FOR CHESTNUT ST.
7. ADA IMPROVEMENTS INCLUDING REPLACING PED. PUSH BUTTONS, AND INSTALLING DETECTABLE WARNING RAMPS.

CHESTNUT ST

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. ADA IMPROVEMENTS INCLUDING REPLACING PED. PUSH BUTTON.

COURT ST

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.

HARKRIDER ST

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING.

INGRAM ST

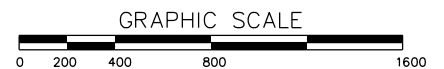
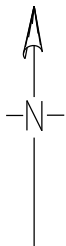
1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. REPLACE EXISTING POLE MOUNTED CABINET, CONTROLLER, AND MMU.
4. REWIRE INTERSECTION.
5. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING, SIDEWALK REPAIRS, AND INSTALLING DETECTABLE WARNING RAMPS.

FAULKNER PLAZA

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. REPLACE EXISTING CABINET, CONTROLLER, AND MMU.
4. REPLACE VIDEO DETECTION PROCESSING EQUIPMENT.
5. REPLACE EXISTING 5 SECTION SIGNAL HEAD WITH FLASHING YELLOW ARROW SIGNAL HEAD.
6. REMOVE MAST ARM WITH SIGNAL HEADS, AND VIDEO DETECTOR.
7. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING, AND INSTALLING DETECTABLE WARNING RAMPS.

I-40 EB

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. ADA IMPROVEMENTS INCLUDING INSTALLING DETECTABLE WARNING RAMPS.



LOCATION: FRONT STREET - I-40 EAST BOUND
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

SYSTEM MAP

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	7	65
SYSTEM MAP SHEET						

MATCHLINE



LEGEND

SIGNALIZED INTERSECTION W/FLASHING YELLOW ARROW MODIFICATION	SIGNALIZED INTERSECTION
PTZ CAMERA	POSTED SPEED LIMIT

I-40 WB

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. ADA IMPROVEMENTS INCLUDING INSTALLING DETECTABLE WARNING RAMPS.

MUSEUM RD

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING.

BOB COURTWAY DR

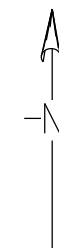
1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. REPLACE EXISTING CABINET, CONTROLLER, AND MMU.
5. INSTALL TWO PEDESTRIAN PUSH BUTTON POLES TO MEET ADA REQUIREMENTS.
6. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING, SIDEWALK REPAIRS, AND INSTALLING DETECTABLE WARNING RAMPS.

ELSINGER BLVD

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. REPLACE EXISTING CABINET, CONTROLLER, AND MMU.
4. REPLACE VIDEO DETECTION PROCESSING EQUIPMENT.
5. REPLACE EXISTING 5 SECTION SIGNAL HEAD WITH FLASHING YELLOW ARROW SIGNAL HEAD.
6. REWIRE INTERSECTION.
7. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING, AND INSTALLING DETECTABLE WARNING RAMPS.

EAST GERMAN LN

1. INTERSECTION TO BECOME PART OF ADAPTIVE CORRIDOR.
2. INSTALL WIRELESS DETECTION SYSTEM FOR ADAPTIVE INFO.
3. INSTALL PTZ CAMERA FOR MONITORING CORRIDOR.
4. REPLACE EXISTING 5 SECTION SIGNAL HEADS WITH FLASHING YELLOW ARROW SIGNAL HEADS AND ASSOCIATED CONTROLLER MODIFICATIONS.
5. ADD ADDITIONAL 3 SECTION SIGNAL HEAD TO NORTH AND SOUTH BOUND APPROACHES.
6. ADA IMPROVEMENTS INCLUDING REPLACING CROSSWALK AND STOP BAR STRIPING, SIDEWALK REPAIRS AND INSTALLING DETECTABLE WARNING RAMPS.

















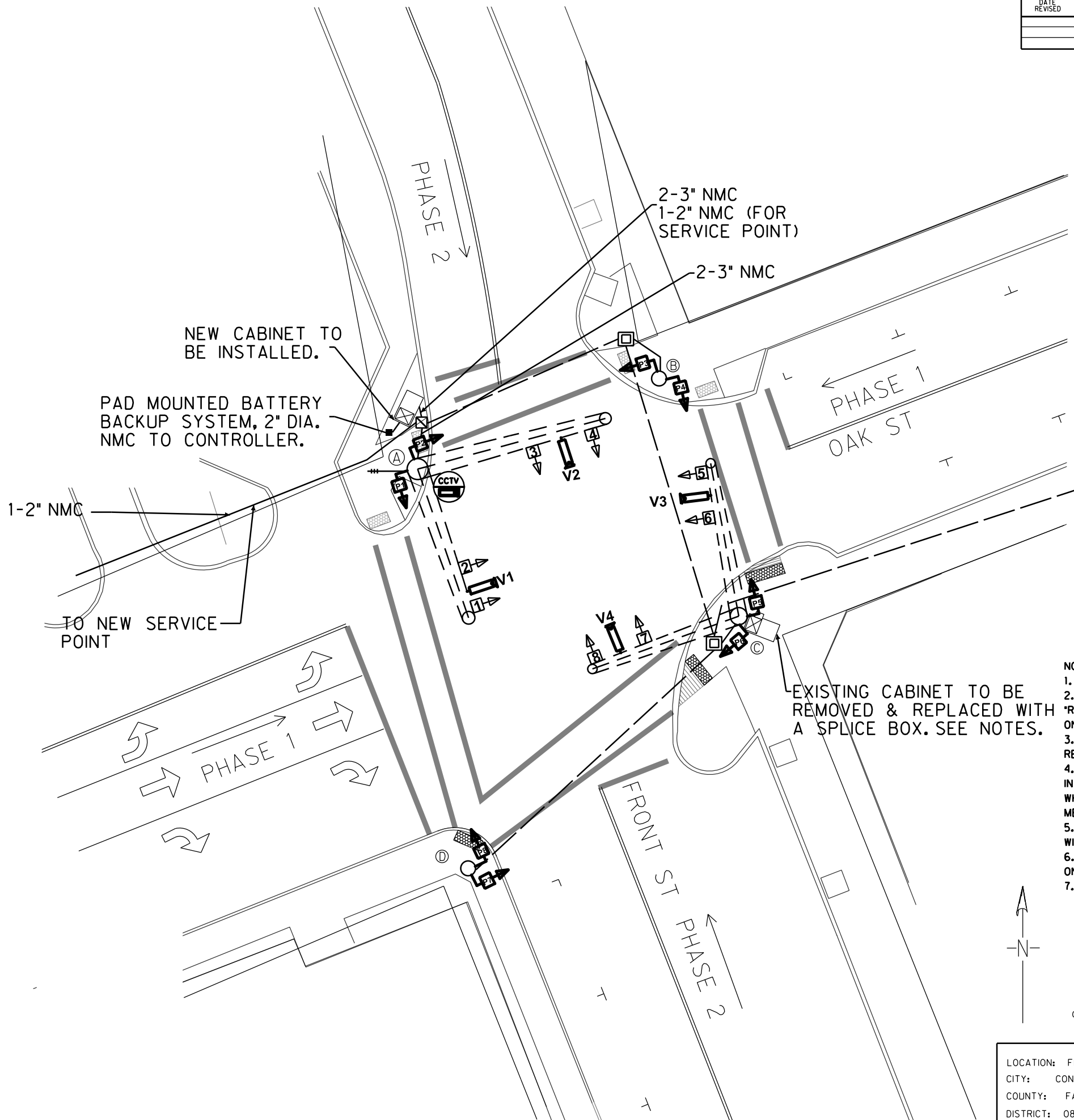
LOCATION: I-40 WEST BOUND - EAST GERMAN
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	8	65
SIGNALIZATION PLAN SHEET						

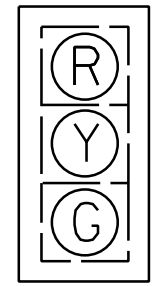
LEGEND

-  Type 2 Pull Box
-  Ped Head (existing)
-  Push Button Pole (existing)
-  Ped Head (proposed)
-  Push Button Pole (proposed)
-  Controller Cabinet
-  Signal Head (as noted)
-  Detector
-  Luminaire
-  Signal Pole
-  Existing Conduit
-  Proposed Conduit
-  PTZ Camera
-  Existing Right-Of-Way (R/W)



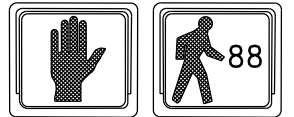
EXISTING SIGNAL HEADS

12in LENSES



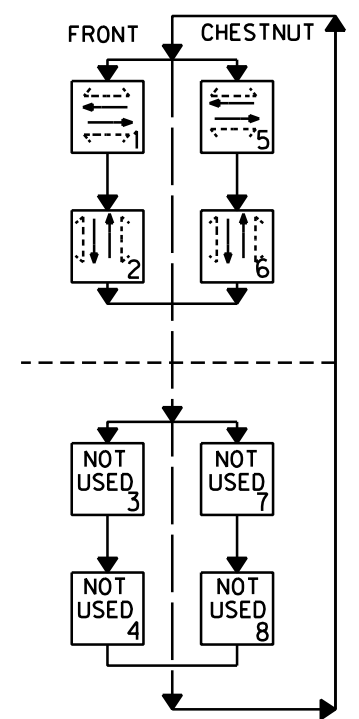
1,2,3,4,
5,6,7,8

One Section (Solid Symbol)

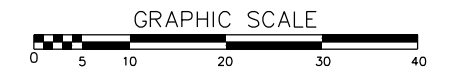
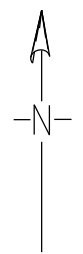


P1,P2,P3,P4,
P5,P6,P7,P8

PHASING DIAGRAM



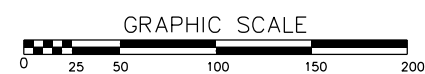
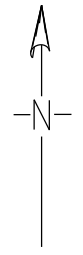
- NOTES:
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES
 2. REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.
 6. CONTRACTOR SHALL MOVE ANTENNA FROM POLE ON SE CORNER TO THE POLE ON THE NW CORNER.
 7. NEW CABINET TO BE BLACK POWDER COATED.



LOCATION: FRONT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG01.40.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	9	65
SIGNALIZATION PLAN SHEET						



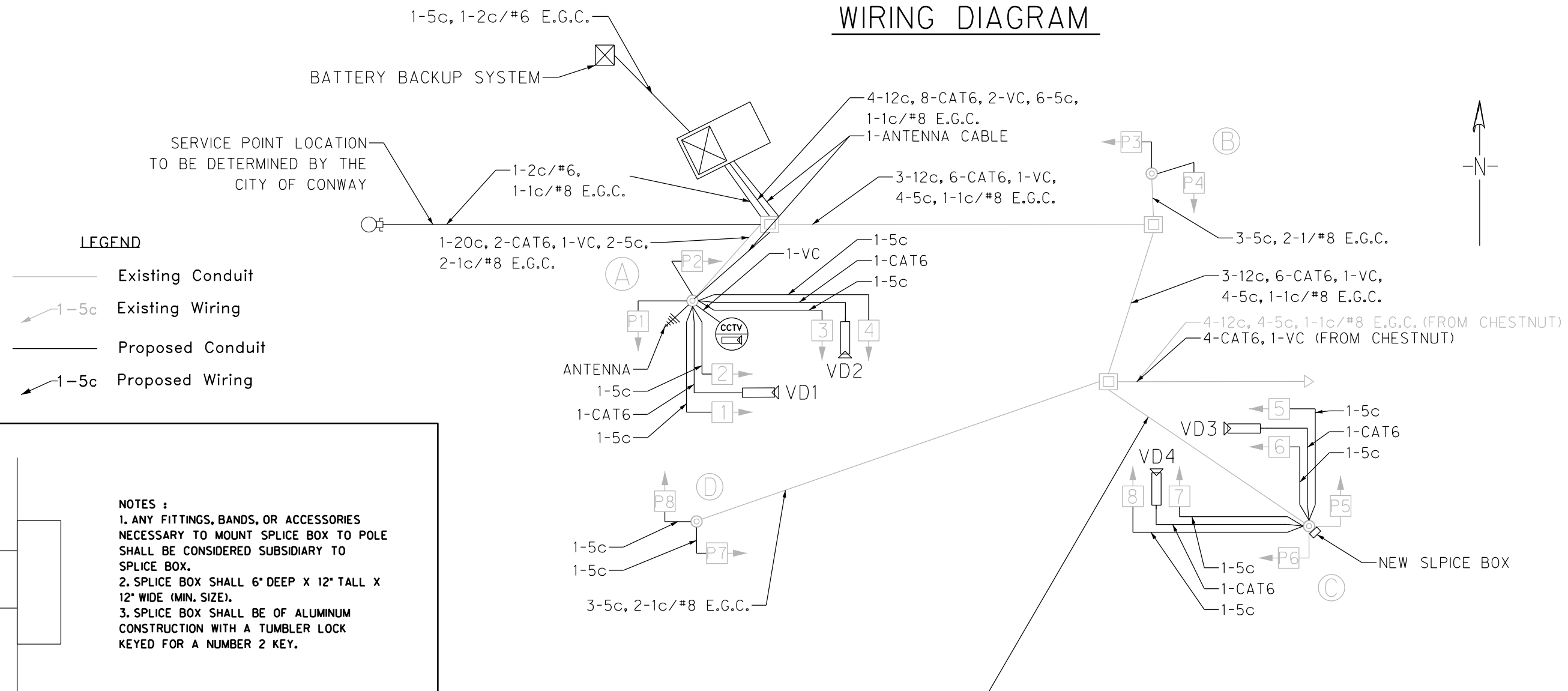
LOCATION: FRONT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

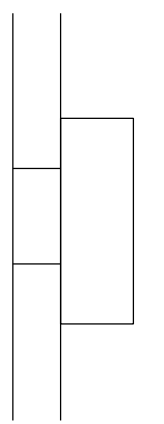
083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG01.MAP.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	10	65
SIGNALIZATION PLAN SHEET						

WIRING DIAGRAM



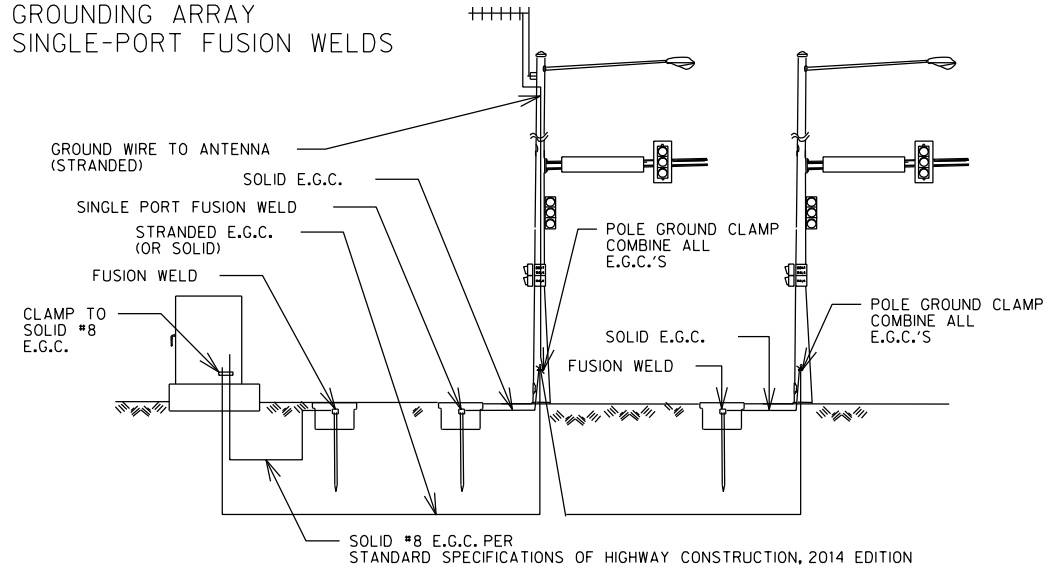
SPLICE BOX DETAIL



NOTES :

1. ANY FITTINGS, BANDS, OR ACCESSORIES NECESSARY TO MOUNT SPLICE BOX TO POLE SHALL BE CONSIDERED SUBSIDIARY TO SPLICE BOX.
2. SPLICE BOX SHALL 6" DEEP X 12" TALL X 12" WIDE (MIN. SIZE).
3. SPLICE BOX SHALL BE OF ALUMINUM CONSTRUCTION WITH A TUMBLER LOCK KEYED FOR A NUMBER 2 KEY.

GROUNDING ARRAY SINGLE-PORT FUSION WELDS



4-12c, 4-5c, 4-CAT6, 1-VC (FROM CHESTNUT)
 2-12c, 2-5c, 4-CAT6, 1-VC (TO CONTROLLER FROM SPLICE BOX)
 1-12c, 2-CAT6, 1-VC, 4-5c, 2-1c/#8 E.G.C. (FOR FRONT SIGNAL)
 SUM IN CONDUIT
 3-12c, 6-5c, 10-CAT6, 3-VC, 2-1c/#8 E.G.C., 4-12c, 4-5c

NOTES FOR CHESTNUT WIRING:

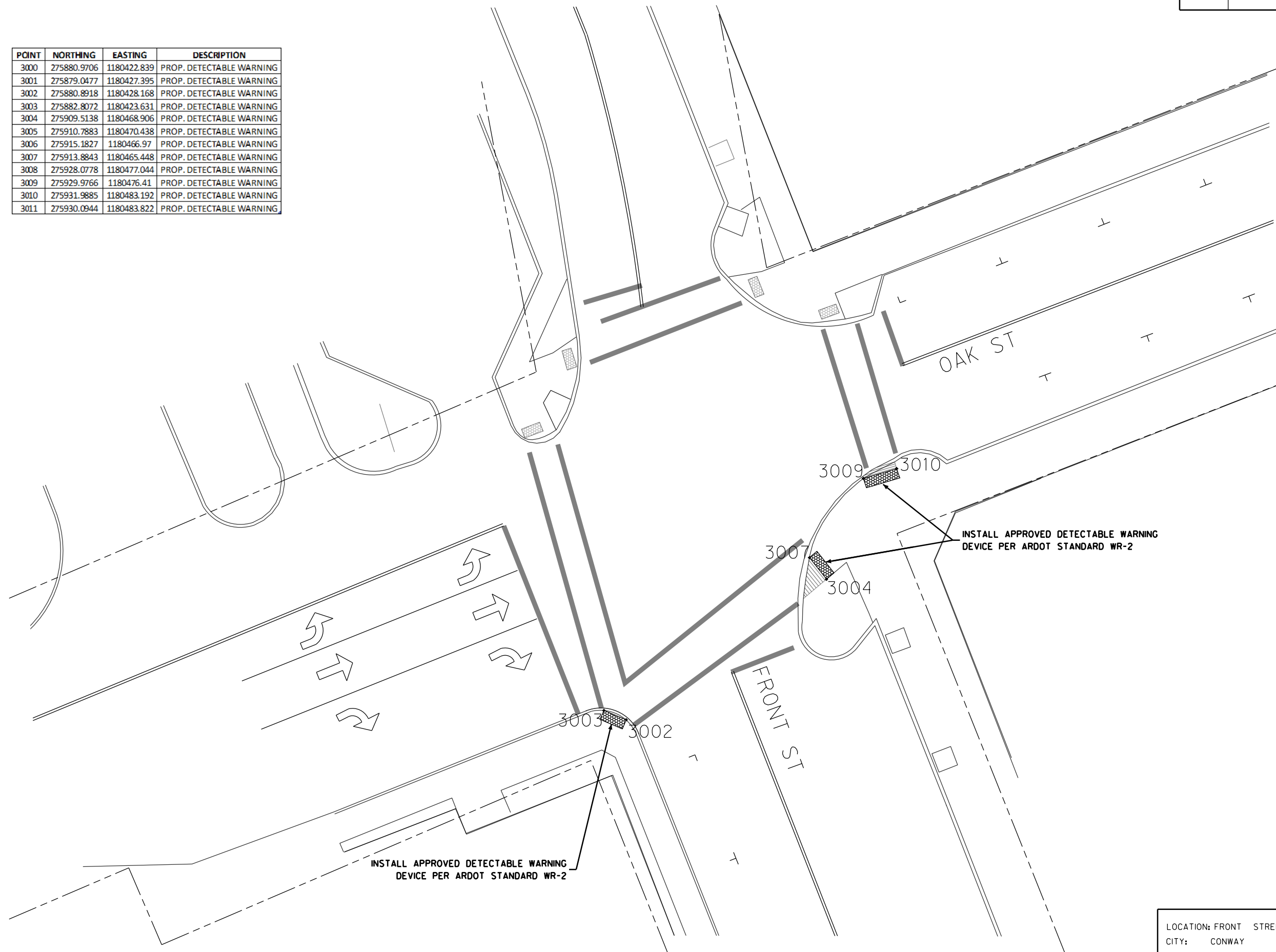
1. ONE SEPARATE 1-5c IS RUN TO EACH POLE FOR THE PEDESTRIAN PUSH BUTTON.
2. ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA OF CABINET.
3. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.
4. CONTRACTOR SHALL SPLICE EXISTING WIRING LOCATED IN EXISTING CABINET TO PROPOSED WIRING IN THE PROPOSED SPLICE BOX.
5. PROPOSED WIRING SHALL BE RUN FROM THE PROPOSED SPLICE BOX TO THE NEW CABINET LOCATION.

LOCATION: FRONT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dn3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG01.WIRE.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	11	65
SIGNALIZATION PLAN SHEET						

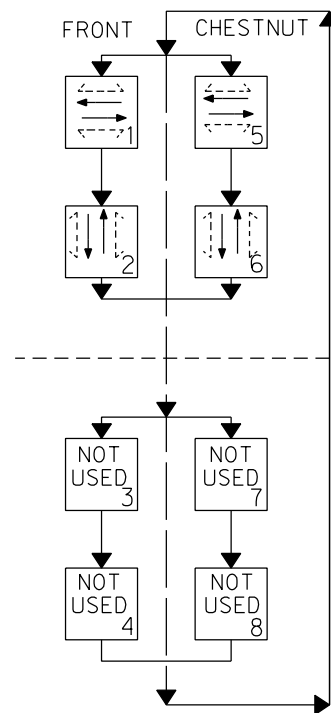
POINT	NORTHING	EASTING	DESCRIPTION
3000	275880.9706	1180422.839	PROP. DETECTABLE WARNING
3001	275879.0477	1180427.395	PROP. DETECTABLE WARNING
3002	275880.8918	1180428.168	PROP. DETECTABLE WARNING
3003	275882.8072	1180423.631	PROP. DETECTABLE WARNING
3004	275909.5138	1180468.906	PROP. DETECTABLE WARNING
3005	275910.7883	1180470.438	PROP. DETECTABLE WARNING
3006	275915.1827	1180466.97	PROP. DETECTABLE WARNING
3007	275913.8843	1180465.448	PROP. DETECTABLE WARNING
3008	275928.0778	1180477.044	PROP. DETECTABLE WARNING
3009	275929.9766	1180476.41	PROP. DETECTABLE WARNING
3010	275931.9885	1180483.192	PROP. DETECTABLE WARNING
3011	275930.0944	1180483.822	PROP. DETECTABLE WARNING



LOCATION: FRONT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dn3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG01.ADA.DGN

PHASING DIAGRAM



DETECTOR CHART

DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS	
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL				MASTER SYSTEM DETECTOR NUMBERS
							PHS	SYSTEM DET. #			
Vz 11A	EB NEAR	LOCAL				V1		1		VECTOR V3	23"
Vz 11B	EB LEFT NEAR	LOCAL				V9		1		VECTOR V3	23"
z20	EB FAR	COMB.				20		1		VECTOR V3	23"
Vz 13	WB NEAR	COMB.				V1		1		VECTOR V1	23"
z18	WB FAR	COMB.				18		1		VECTOR V1	23"
Vz 21	SB NEAR	COMB.				V2		2		VECTOR V4	23"
z19	SB FAR	COMB.				19		2		VECTOR V4	23"
Vz 23	NB NEAR	COMB.				V2		2		VECTOR V2	23"
z17	NB FAR	COMB.				17		2		VECTOR V2	23"
P1		PED						1			
P2		PED						2			

CONTROLLER INPUT ABBREVIATIONS:

V = VEHICLE INPUT

D = SYSTEM OR AUXILIARY INPUT

P = PEDESTRIAN INPUT

NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)

TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE

NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD

THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.

EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2

INTERVAL CHART

SIGNAL FACES	OAK STREET AND FRONT/CHESTNUT STREETS								FLASH SEQUENCE
	1	CLR	2	CLR	5	CLR	6	CLR	
1	G	Y	R	R	G	Y	R	R	R
2	G	Y	R	R	G	Y	R	R	R
3	R	R	G	Y	R	R	G	Y	R
4	R	R	G	Y	R	R	G	Y	R
5	G	Y	R	R	G	Y	R	R	R
6	G	Y	R	R	G	Y	R	R	R
7	R	R	G	Y	R	R	G	Y	R
8	R	R	G	Y	R	R	G	Y	R
P1	DW	DW	W	FDW	DW	DW	W	FDW	B
P2	W	FDW	DW	DW	W	FDW	DW	DW	B
P3	W	FDW	DW	DW	W	FDW	DW	DW	B
P4	DW	DW	W	FDW	DW	DW	W	FDW	B
P5	DW	DW	W	FDW	DW	DW	W	FDW	B
P6	W	FDW	DW	DW	W	FDW	DW	DW	B
P7	W	FDW	DW	DW	W	FDW	DW	DW	B
P8	DW	DW	W	FDW	DW	DW	W	FDW	B

INTERSECTION NOTES

GENERAL NOTES:

1. CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.

3. CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING NORTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.

4. CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

5. INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

NOTES:

1. NEW TRAFFIC SIGNAL CABINET LOCATED AT THE NORTHWEST CORNER OF OAK & FRONT. THE CABINET CONTROLS BOTH FRONT AND CHESTNUT INTERSECTIONS.

2. CONTRACTOR SHALL REMOVE EXISTING POLE MOUNTED CABINET AND REPLACE WITH A SPLICE BOX TO BE MOUNTED ON THE POLE. BOX SHALL BE LARGE ENOUGH TO ALLOW TROUBLESHOOTING OF SPLICES (CONTRACTOR SHALL NOT REUSE EXISTING CABINET AS THE SPLICE BOX).

3. SPLICE BOX SHALL HAVE A TUMBLER LOCK KEYED FOR A CORBIN NO. 2 KEY.

4. CONTRACTOR SHALL REMOVE EXISTING PUSH BUTTON FROM POLE MOUNTED CABINET AND REINSTALL ON POLE TO MEET ADA REQUIREMENTS.

5. CONTRACTOR SHALL LEAVE EXISTING WIRING FOR CHESTNUT INTERSECTION LOCATED AT SOUTHEAST CORNER OF THE FRONT INTERSECTION TO BE PLACED IN THE SPLICE BOX.

6. ADDITIONAL WIRE FOR THE OAK & CHESTNUT INTERSECTION SHALL BE PROVIDED FROM THE NEW TRAFFIC SIGNAL CABINET TO THE SPLICE BOX (SEE WIRING DIAGRAM).

7. CONTRACTOR SHALL REMOVE EXISTING RADIO ANTENNA AND REINSTALL ON NORTHWEST CORNER POLE. ANTENNA ORIENTATION SHALL BE COORDINATED WITH THE CITY.

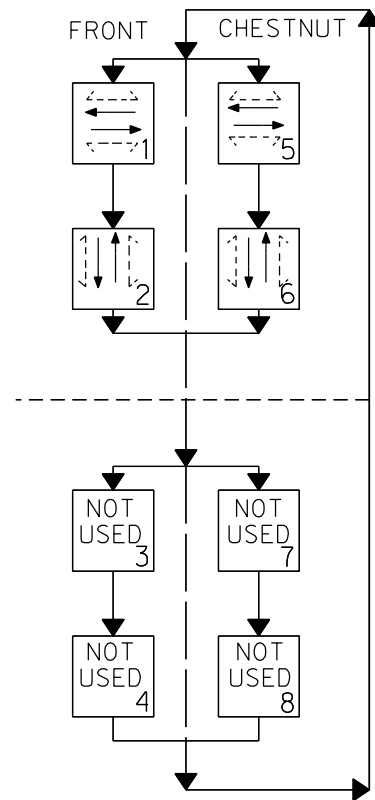
8. CONTRACTOR SHALL RELOCATE THE SERVICE POINT TO A LOCATION APPROVED BY THE CITY - SEE WIRING DIAGRAM.

LOCATION: FRONT STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	13	65
SIGNALIZATION PLAN SHEET						

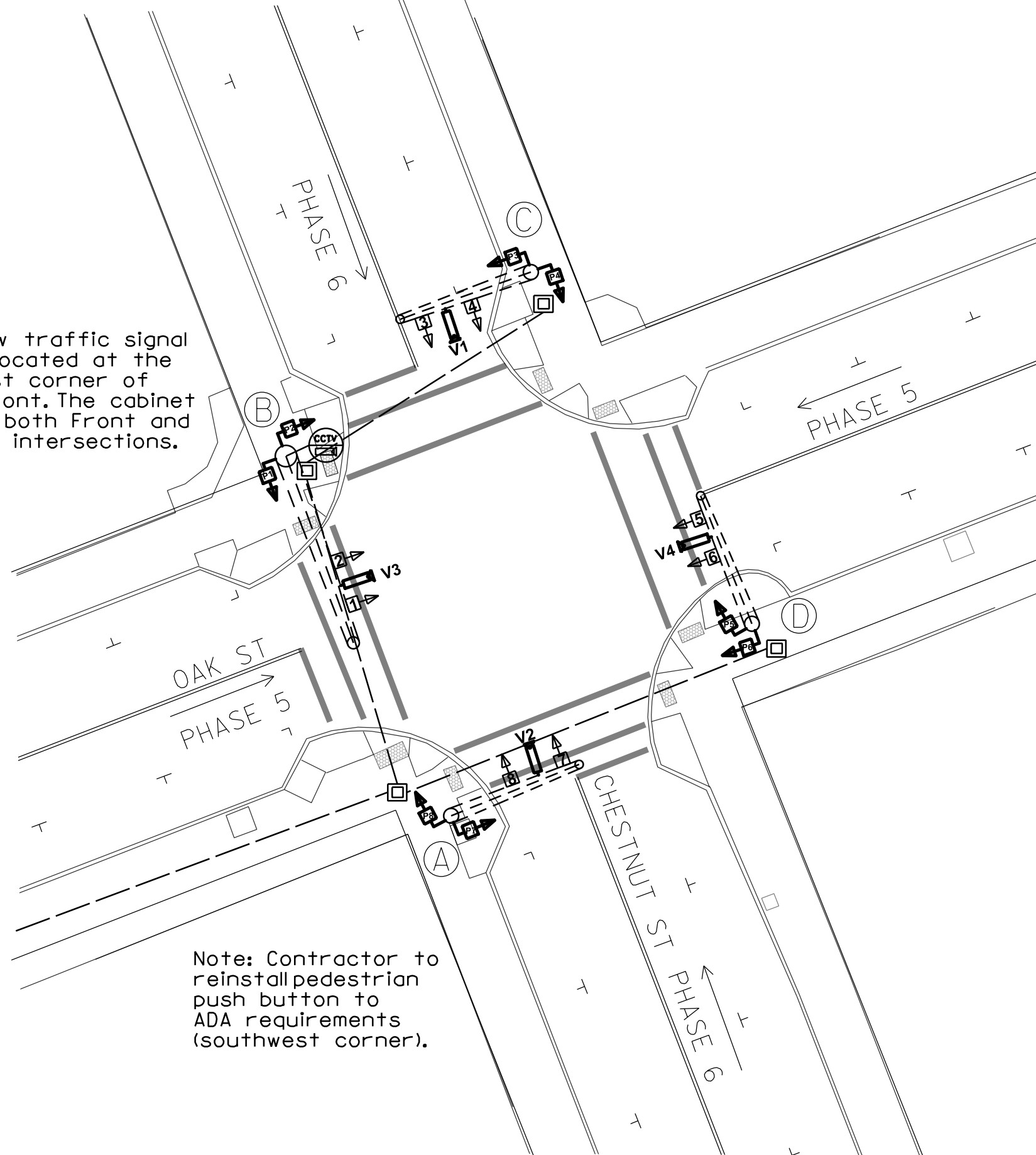
PHASING DIAGRAM



Note: New traffic signal cabinet located at the northwest corner of Oak & Front. The cabinet controls both Front and Chestnut intersections.

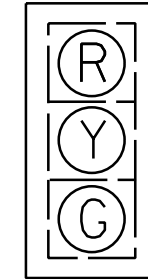
LEGEND

- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



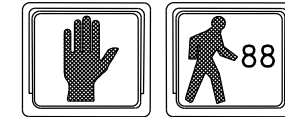
EXISTING SIGNAL HEADS

12in LENSES



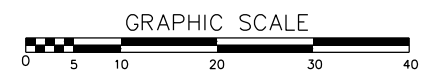
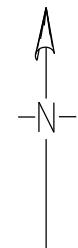
1,2,3,4
5,6,7,8

One Section (Solid Symbol)



P1,P2,P3,P4,
P5,P6,P7,P8

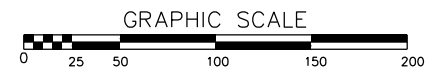
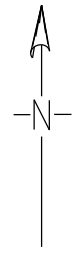
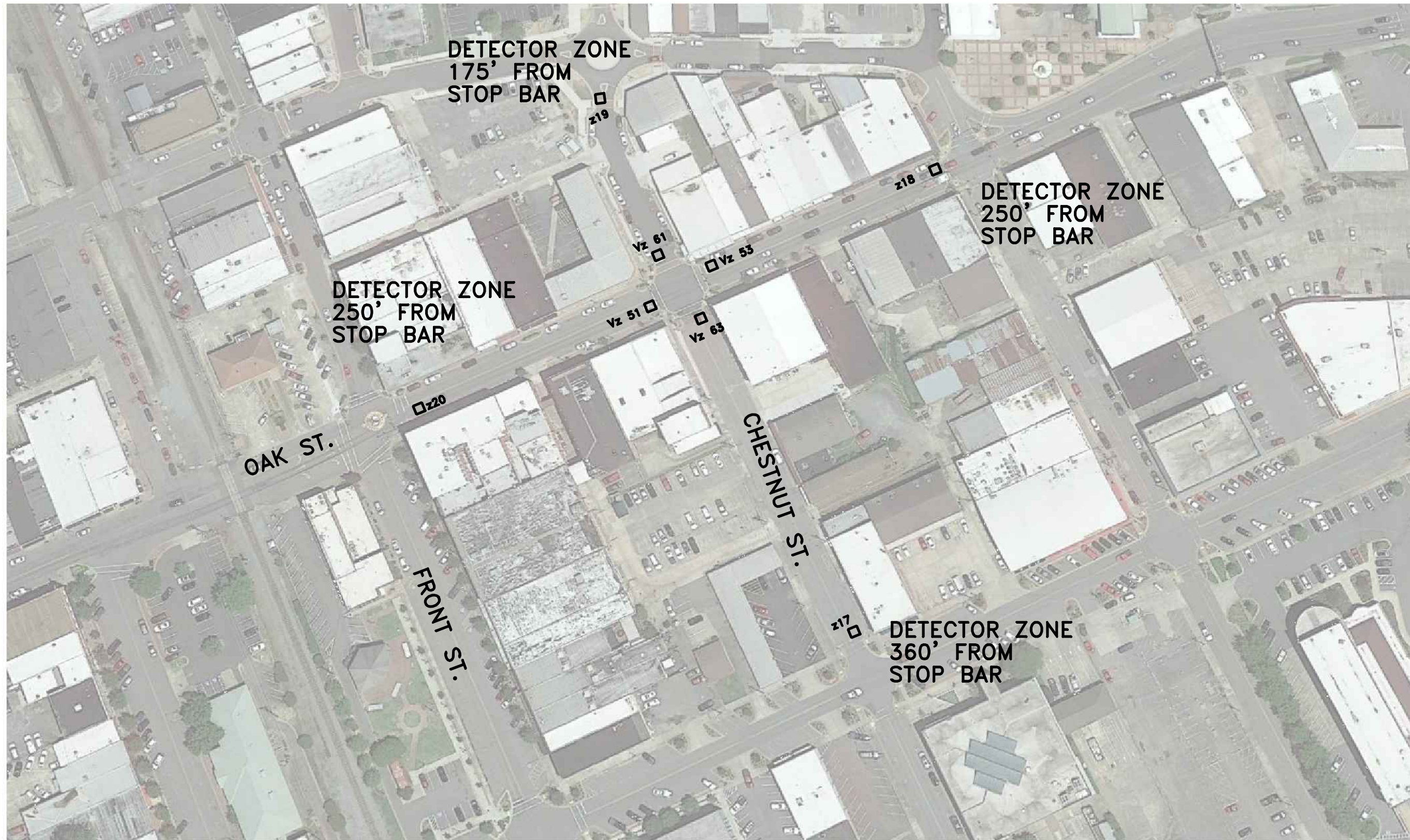
- NOTES:
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 2. REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



LOCATION: CHESTNUT STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

DATE REVISION	DATE REVISION	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	14	65
SIGNALIZATION PLAN SHEET						



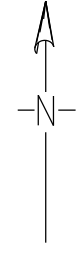
LOCATION: CHESTNUT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG02.MAP.DGN

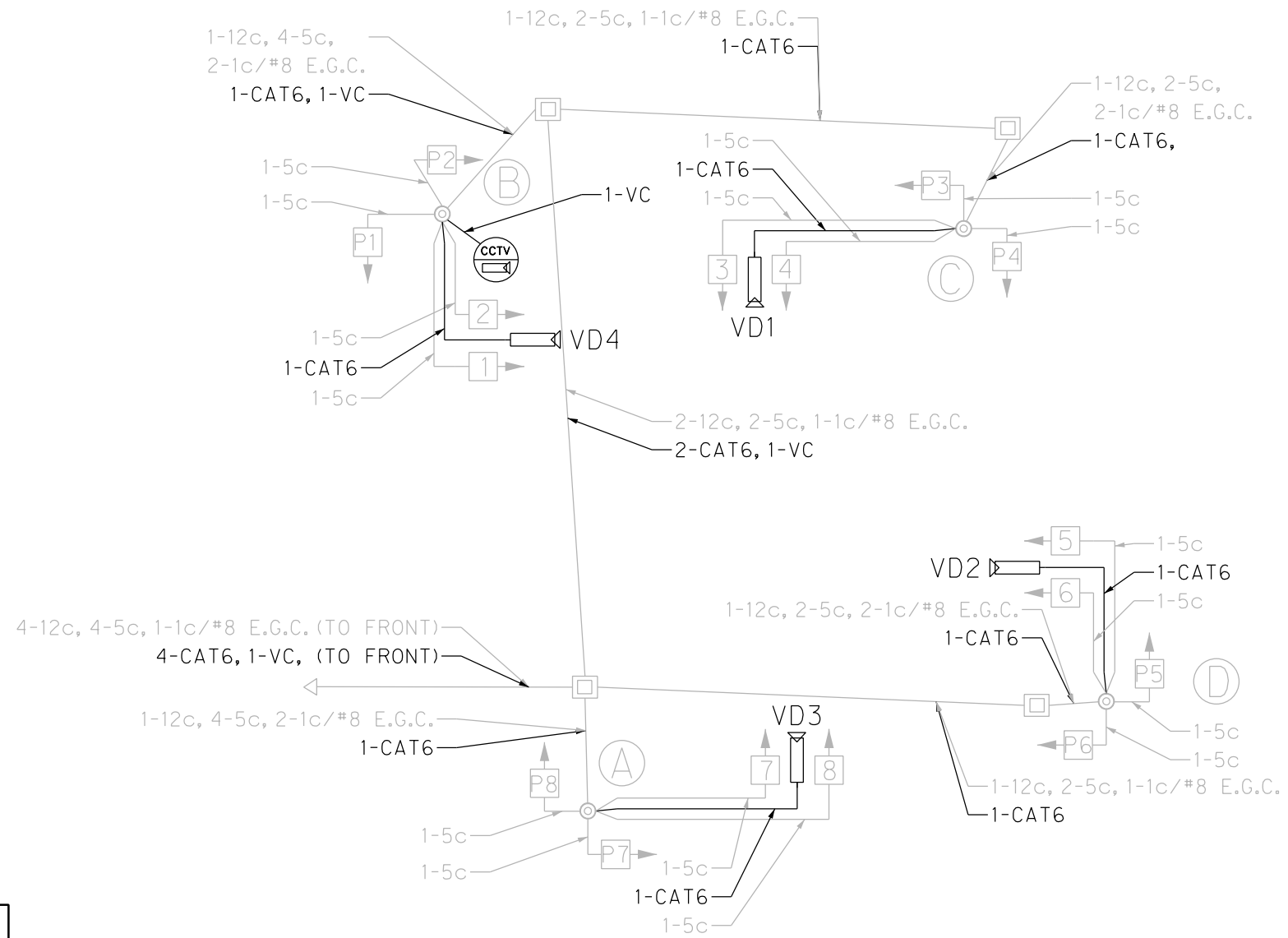
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	15	65
SIGNALIZATION PLAN SHEET						

WIRING DIAGRAM

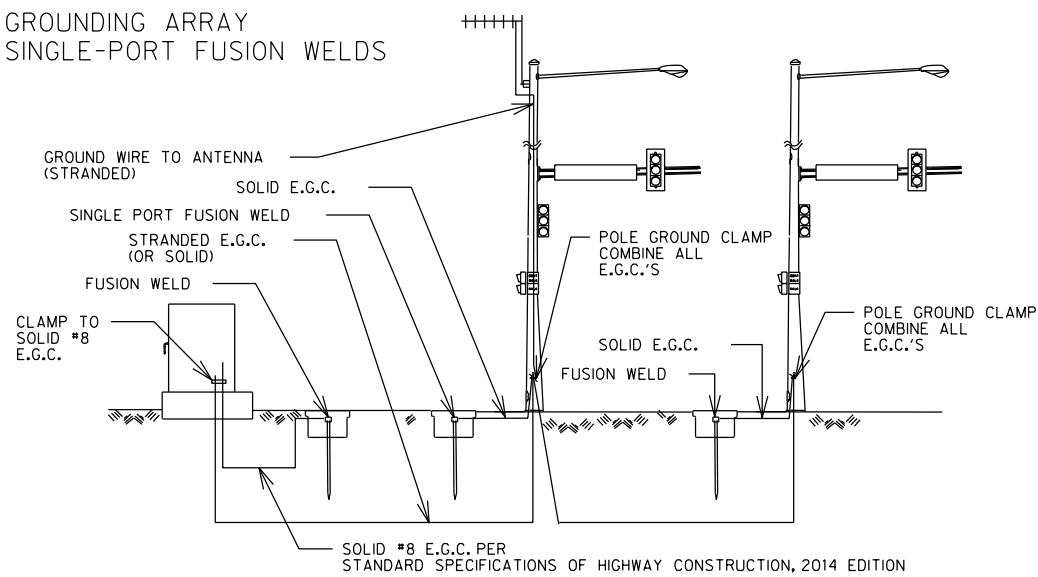


LEGEND

- Existing Conduit
- Existing Wiring
- Proposed Conduit
- Proposed Wiring



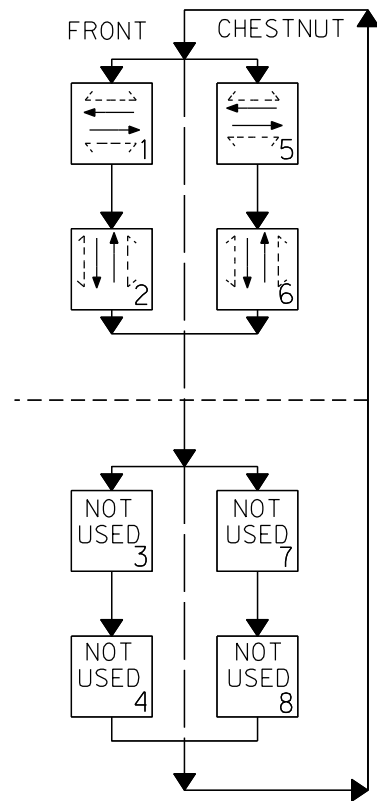
GROUNDING ARRAY SINGLE-PORT FUSION WELDS



LOCATION: CHESTNUT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

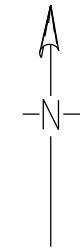
DRAWN BY: HALFF

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL			
							PHS	SYSTEM DET. #		
Vz 51	EB NEAR	COMB.			V5		5		VECTOR V4	23"
z20	EB FAR	COMB.			20				VECTOR V4	23"
Vz 53	WB NEAR	COMB.			V5		5		VECTOR V3	23"
z18	WB FAR	COMB.			18				VECTOR V3	23"
Vz 61	SB NEAR	COMB.			V6		6		VECTOR V2	23"
z19	SB FAR	COMB.			19				VECTOR V2	23"
Vz 63	NB NEAR	COMB.			V6		6		VECTOR V1	23"
z17	NB FAR	COMB.			17				VECTOR V1	23"
P5		PED			P5		5			
P6		PED			P6		6			

CONTROLLER INPUT ABBREVIATIONS:
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P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.



INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING NORTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

INTERVAL CHART

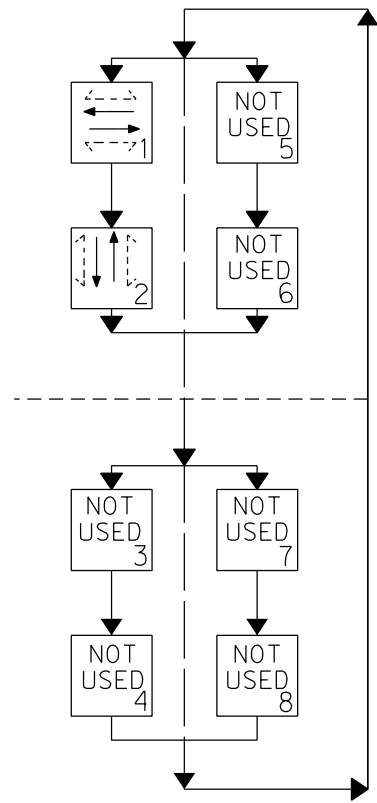
SIGNAL FACES	1	CLR	2	CLR	5	CLR	6	CLR	FLASH SEQ
1	G	Y	R	R	G	Y	R	R	R
2	G	Y	R	R	G	Y	R	R	R
3	R	R	G	Y	R	R	G	Y	R
4	R	R	G	Y	R	R	G	Y	R
5	G	Y	R	R	G	Y	R	R	R
6	G	Y	R	R	G	Y	R	R	R
7	R	R	G	Y	R	R	G	Y	R
8	R	R	G	Y	R	R	G	Y	R
P1	DW	DW	W	FDW	DW	DW	W	FDW	B
P2	W	FDW	DW	DW	W	FDW	DW	DW	B
P3	W	FDW	DW	DW	W	FDW	DW	DW	B
P4	DW	DW	W	FDW	DW	DW	W	FDW	B
P5	DW	DW	W	FDW	DW	DW	W	FDW	B
P6	W	FDW	DW	DW	W	FDW	DW	DW	B
P7	W	FDW	DW	DW	W	FDW	DW	DW	B
P8	DW	DW	W	FDW	DW	DW	W	FDW	B

LOCATION: CHESTNUT STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

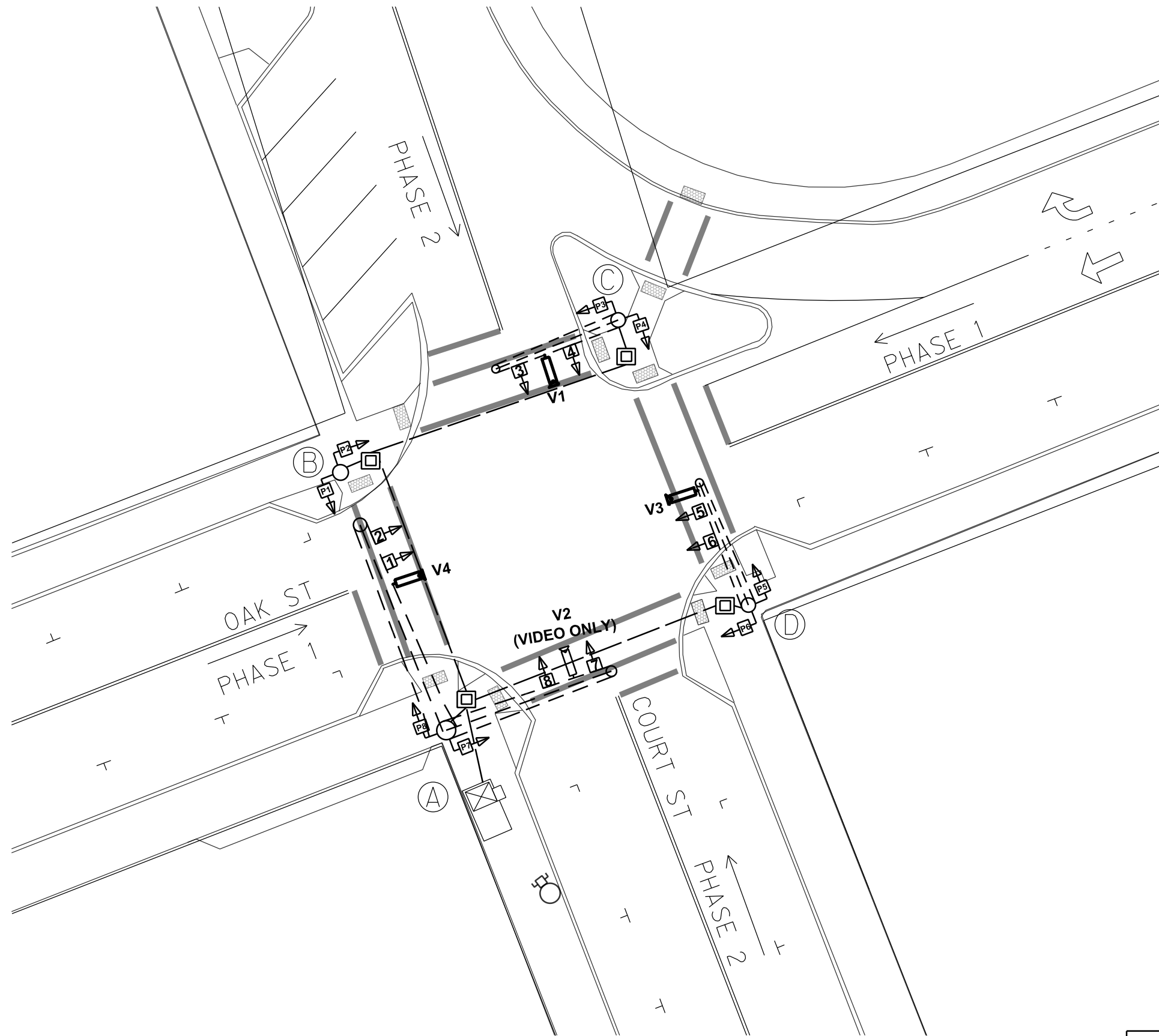
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	17	65
SIGNALIZATION PLAN SHEET						

PHASING DIAGRAM



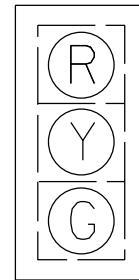
LEGEND

- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



EXISTING SIGNAL HEADS

12in LENSES



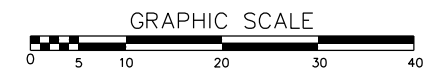
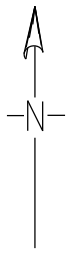
1,2,3,4,
5,6,7,8

One Section (Solid Symbol)



P1,P2,P3,P4,
P5,P6,P7,P8

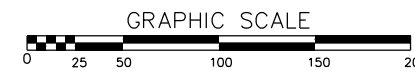
- NOTES:**
- ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 - ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 - ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



LOCATION: COURT STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

DATE REVISION	DATE REVISION	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	18	65
SIGNALIZATION PLAN SHEET						



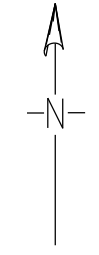
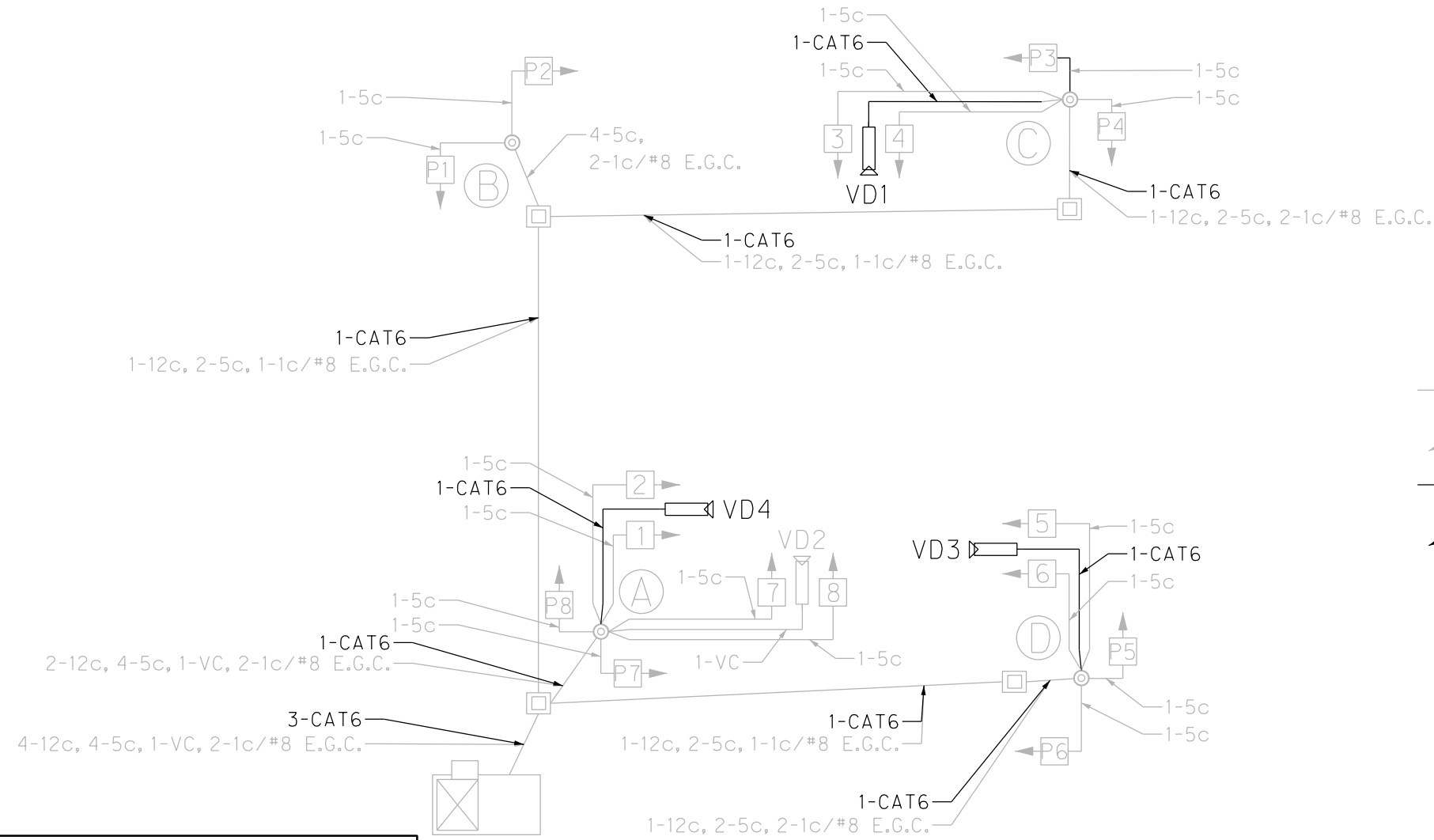
LOCATION: COURT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

08/3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG03.MAP.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	19	65
SIGNALIZATION PLAN SHEET						

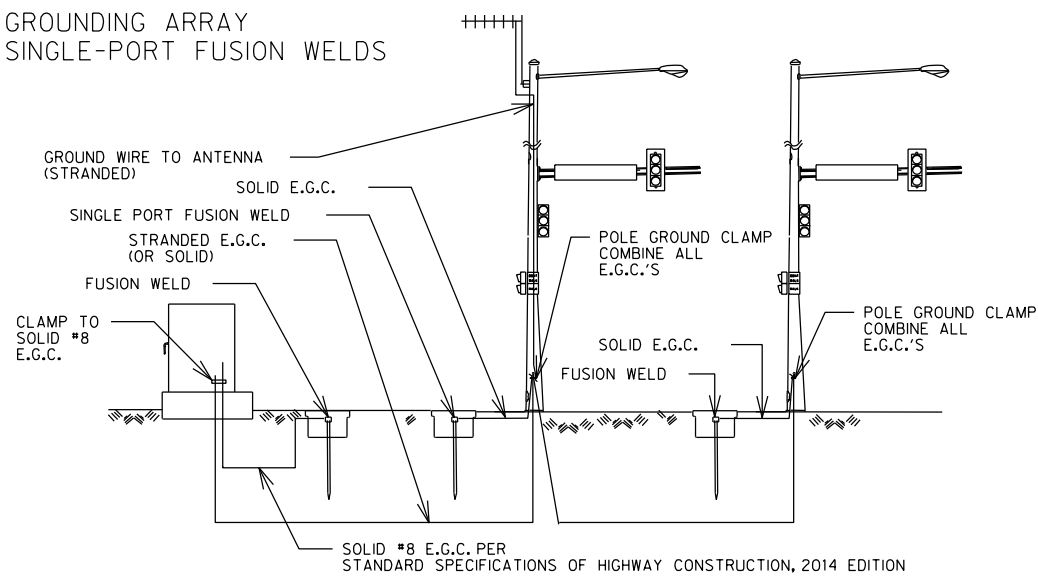
WIRING DIAGRAM



LEGEND

- Existing Conduit
- Existing Wiring
- Proposed Conduit
- Proposed Wiring

GROUNDING ARRAY SINGLE-PORT FUSION WELDS

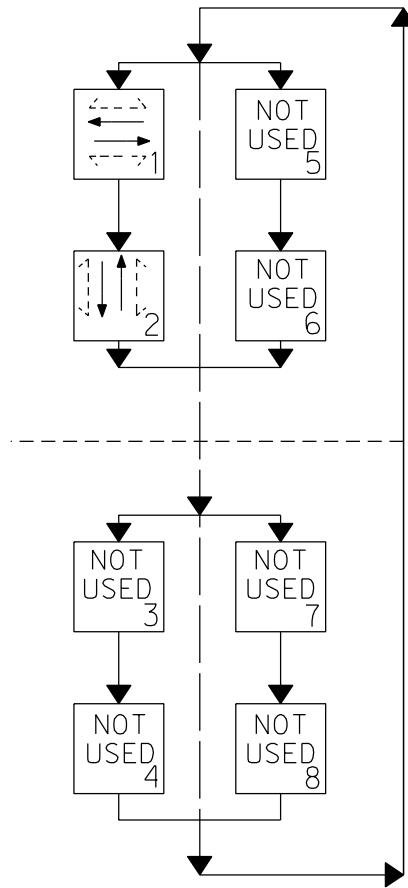


LOCATION: COURT STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG03.WIRE.DGN

PHASING DIAGRAM



DETECTOR ASSIGNMENTS				HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS	
DET. ID #	LOCATION DIRECTION	TYPE	DET. #	CAB. TRM. #	AMP. CHN. #	CON. IMP. #	PHS	SYSTEM DET. #			MASTER SYSTEM DETECTOR NUMBERS
Vz 11	EB NEAR	COMB.				V1		1		VECTOR V3	23"
z20	EB FAR	COMB.				20				VECTOR V3	23"
Vz 13	WB NEAR	COMB.				V1		1		VECTOR V4	23"
z18	WB FAR	COMB.				18				VECTOR V4	23"
Vz 21	SB NEAR	COMB.				V2		2		CAMERA V2	23"
z19	SB FAR	COMB.				19				CAMERA V2	23"
Vz 23	NB NEAR	COMB.				V2		2		VECTOR V1	23"
z17	NB FAR	COMB.				17				VECTOR V1	23"
P1		PED				P1		1			
P2		PED				P2		2			

CONTROLLER INPUT ABBREVIATIONS:

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P = PEDESTRIAN INPUT
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TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

INTERVAL CHART

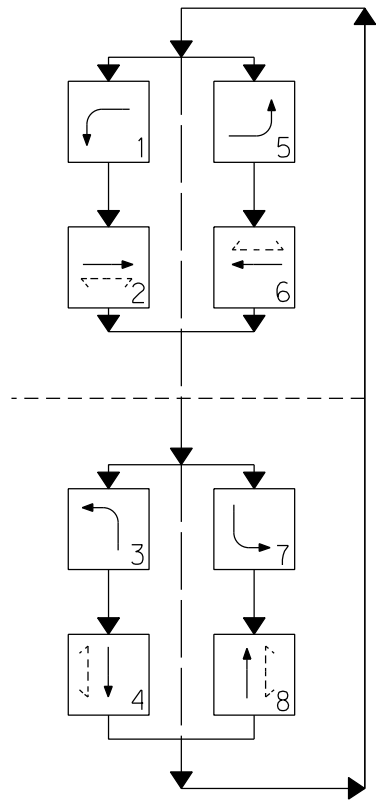
SIGNAL FACES	1	CLR	2	CLR	FLASH SEQ
1	G	Y	R	R	R
2	G	Y	R	R	R
3	R	R	G	Y	R
4	R	R	G	Y	R
5	G	Y	R	R	R
6	G	Y	R	R	R
7	R	R	G	Y	R
8	R	R	G	Y	R
P1	DW	DW	W	FDW	B
P2	W	FDW	DW	DW	B
P3	W	FDW	DW	DW	B
P4	DW	DW	W	FDW	B
P5	DW	DW	W	FDW	B
P6	W	FDW	DW	DW	B
P7	W	FDW	DW	DW	B
P8	DW	DW	W	FDW	B

LOCATION: COURT STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

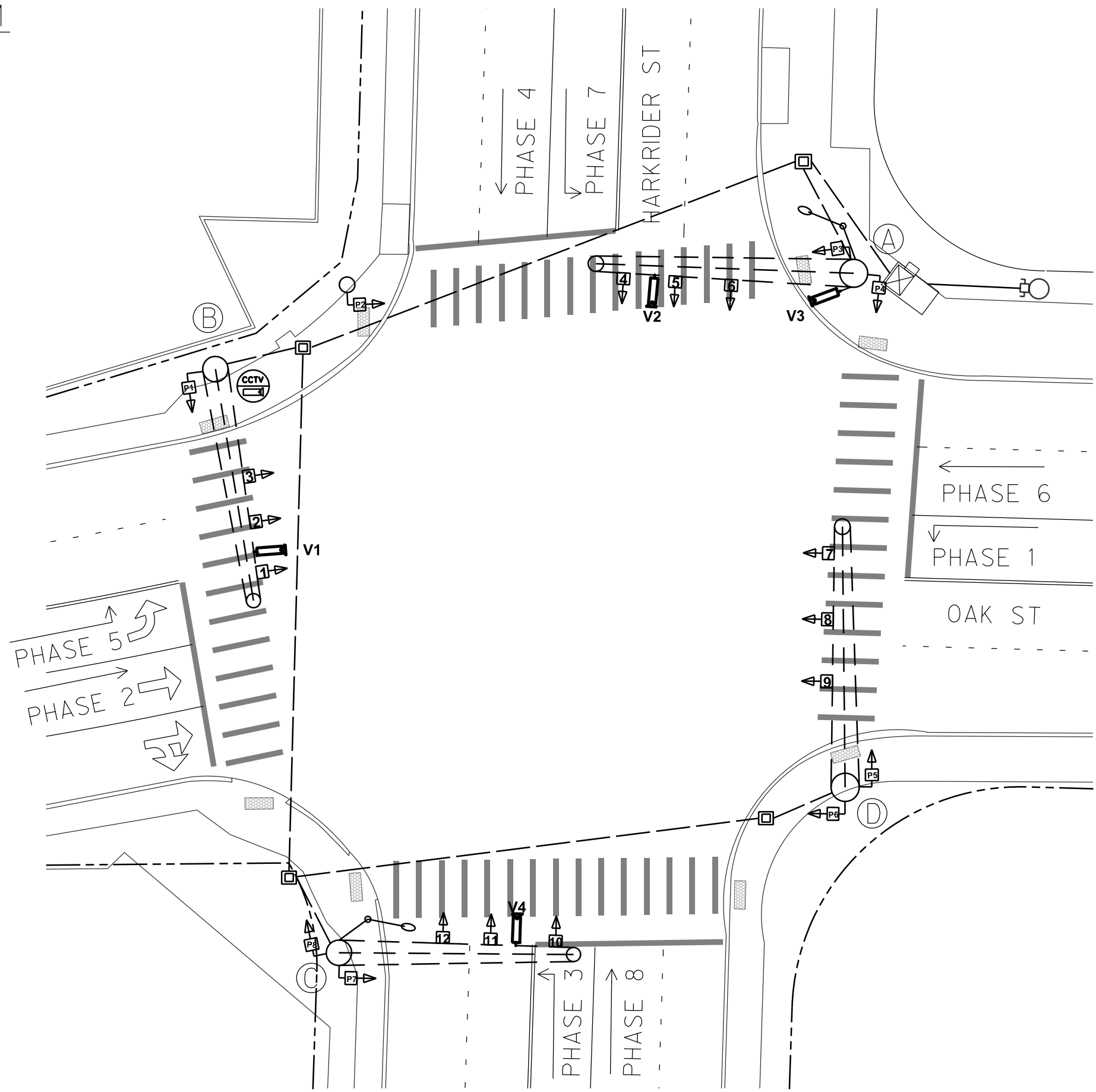
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	21	65
SIGNALIZATION PLAN SHEET						

PHASING DIAGRAM

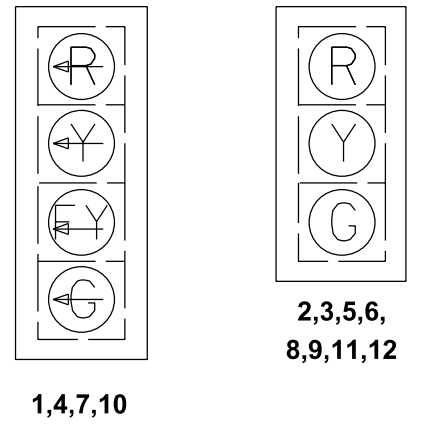


LEGEND

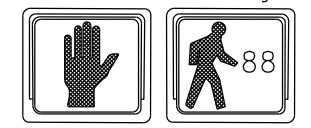
- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



EXISTING SIGNAL HEADS 12in LENSES

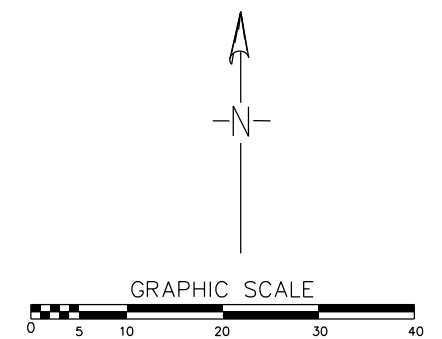


One Section (Solid Symbol)



P1,P2,P3,P4, P5,P6,P7,P8

- NOTES:**
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES
 2. REFER TO SPECIAL PROVISIONS FOR 'RETROREFLECTIVE BACKPLATES' FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
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 5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.

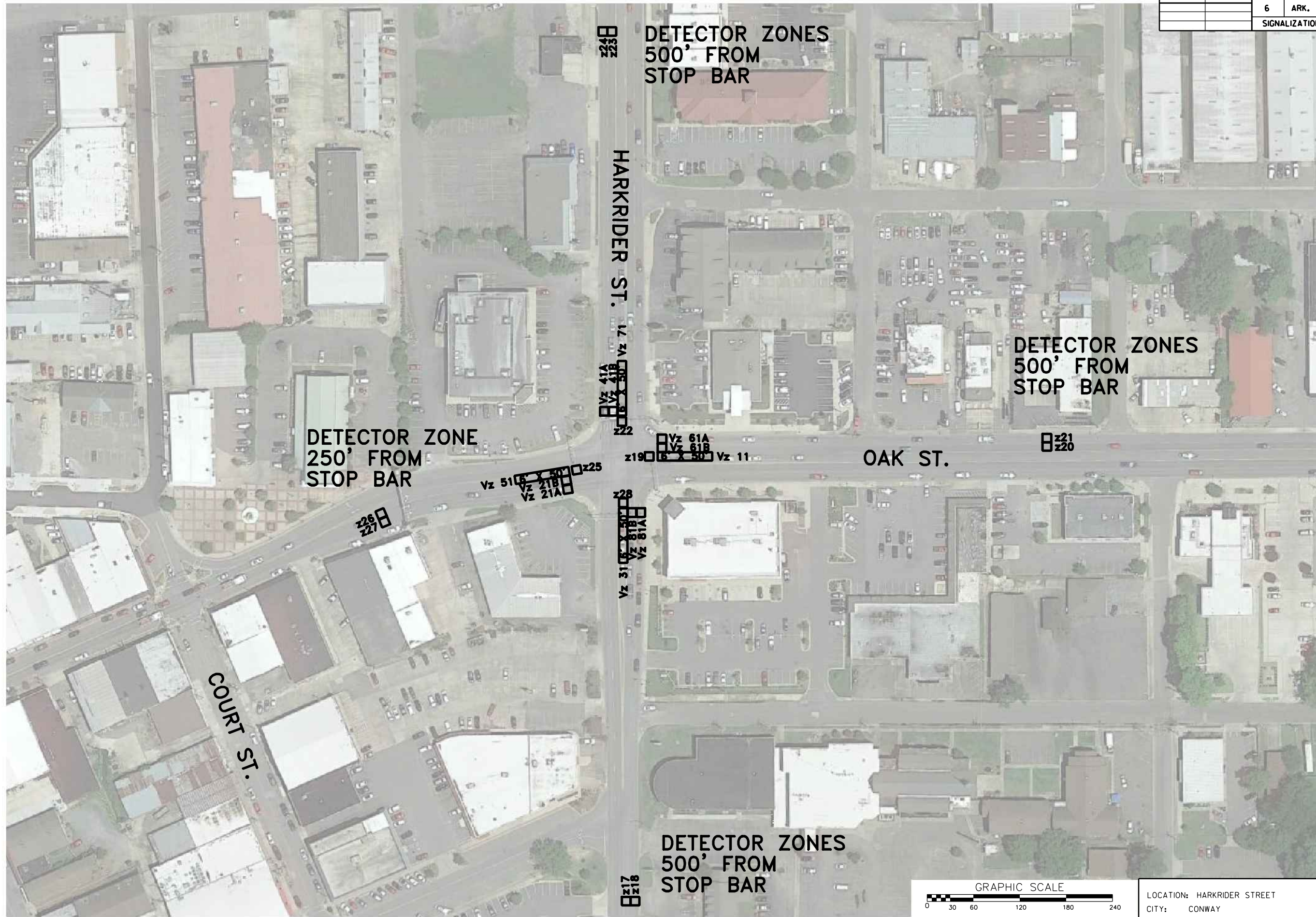


LOCATION: HARKRIDER STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

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 34372.001 BDR.DGN
 T34372.SG04.40.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	22	65
SIGNALIZATION PLAN SHEET						

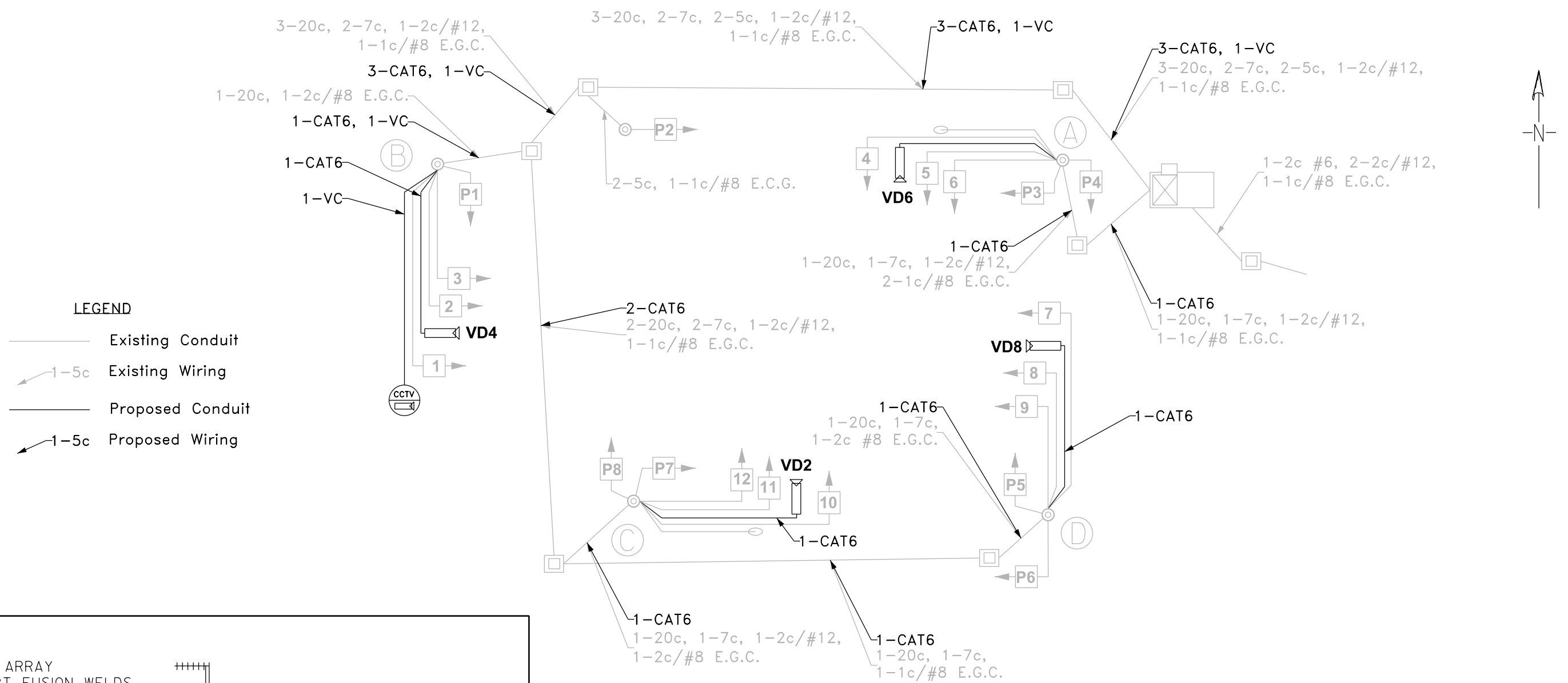


LOCATION: HARKRIDER STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

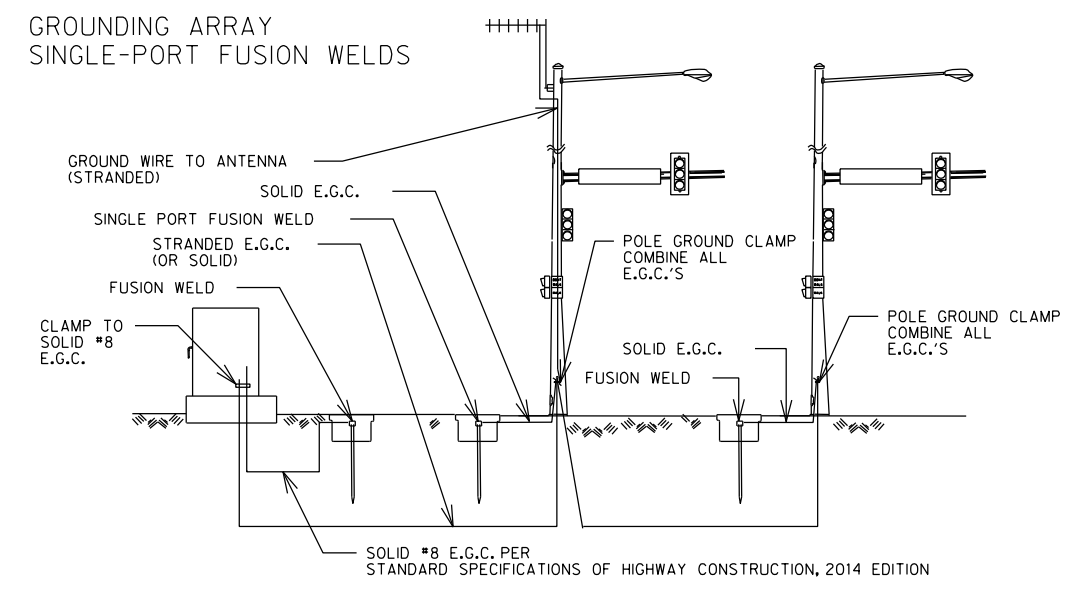
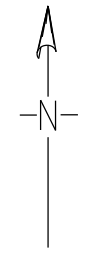
DRAWN BY: HALFF

DATE REVISION	DATE REVISION	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	23	65
SIGNALIZATION PLAN SHEET						

WIRING DIAGRAM



- LEGEND**
- Existing Conduit
 - Existing Wiring
 - Proposed Conduit
 - Proposed Wiring

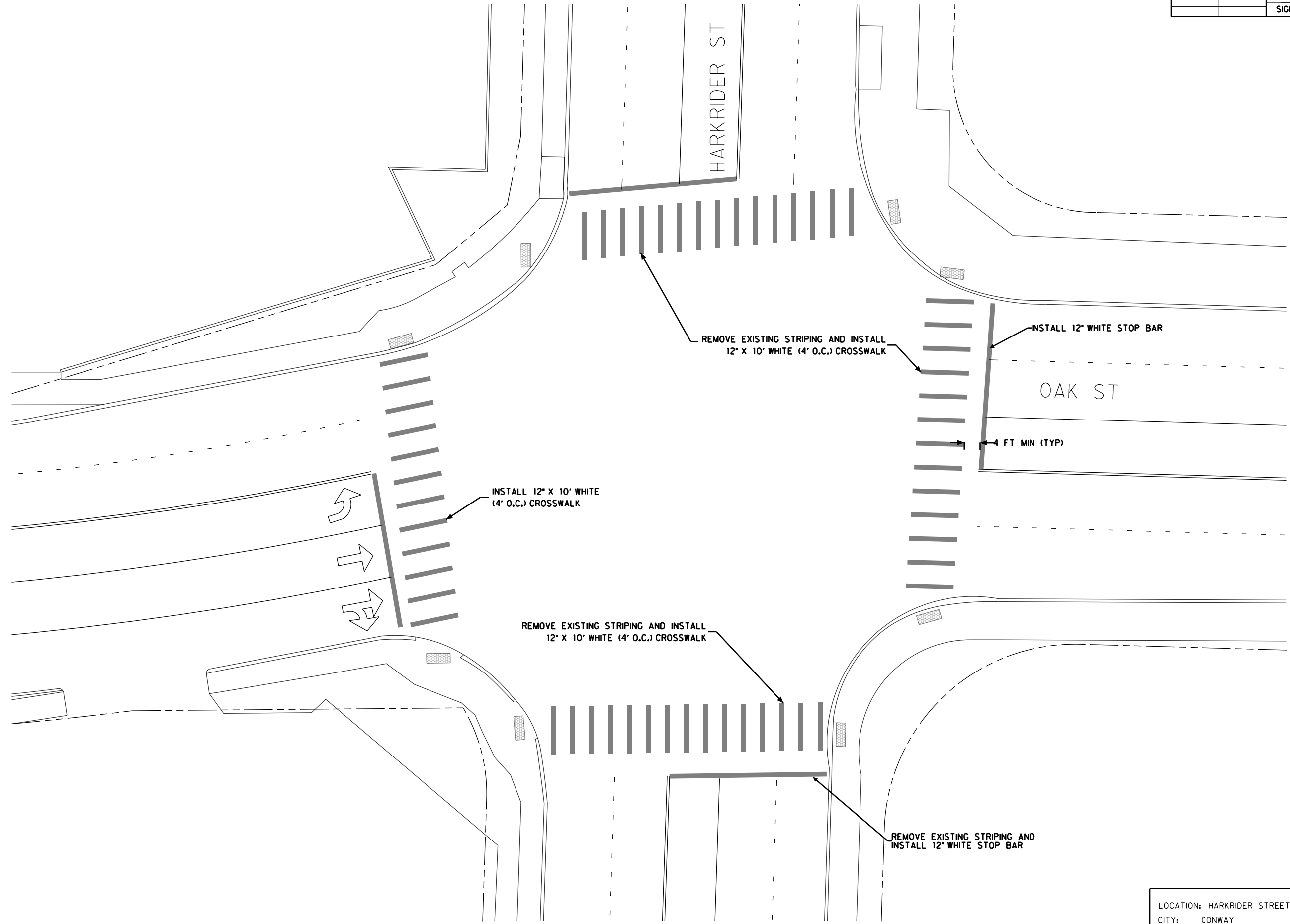


CONTRACTOR SHALL REMOVE EXISTING VIDEO CABLE

LOCATION: HARKRIDER STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG04.WIRE.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	24	65
SIGNALIZATION PLAN SHEET						

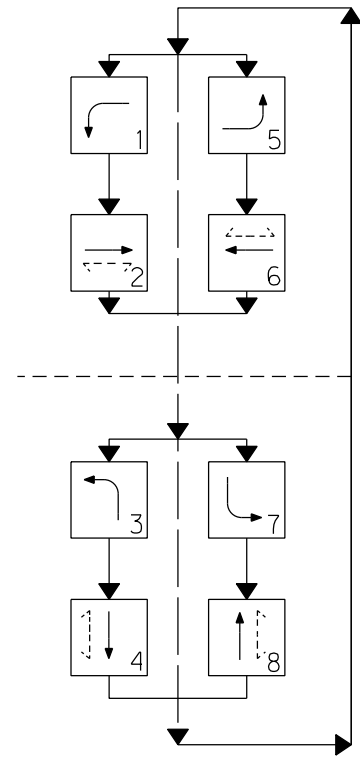


LOCATION: HARKRIDER STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG04.ADA.DGN

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			LOCAL		MASTER SYSTEM DETECTOR NUMBERS	COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	PHS	SYSTEM DET. #			
Vz 11	WB LEFT NEAR	LOCAL				V1		1	VECTOR V1	23"	
z19	WB LEFT NEAR	LOCAL				19			VECTOR V1	23"	
Vz 21A&B	EB NEAR	LOCAL				V2		2	VECTOR V3	23"	
z26	EB FAR	COMB.				26			VECTOR V3	23"	
z27	EB FAR	COMB.				27			VECTOR V3	23"	
Vz 31	NB LEFT NEAR	LOCAL				V3		3	VECTOR V2	23"	
z28	NB LEFT NEAR	LOCAL				28			VECTOR V2	23"	
Vz 41A&B	SB NEAR	LOCAL				V4		4	VECTOR V4	23"	
z23	SB FAR	COMB.				23			VECTOR V4	23"	
z24	SB FAR	COMB.				24			VECTOR V4	23"	
Vz 51	EB LEFT NEAR	LOCAL				V5		5	VECTOR V3	23"	
z25	EB LEFT NEAR	LOCAL				25			VECTOR V3	23"	
Vz 61A&B	WB NEAR	LOCAL				V6		6	VECTOR V1	23"	
z20	WB FAR	COMB.				20			VECTOR V1	23"	
z21	WB FAR	COMB.				21			VECTOR V1	23"	
Vz 71	SB LEFT NEAR	LOCAL				V7		7	VECTOR V4	23"	
z22	SB LEFT NEAR	LOCAL				22			VECTOR V4	23"	
Vz 81A&B	NB NEAR	LOCAL				V8		8	VECTOR V2	23"	
z17	NB FAR	COMB.				17			VECTOR V2	23"	
z18	NB FAR	COMB.				18			VECTOR V2	23"	
P2		PED.				P2		2			
P4		PED.				P4		4			
P6		PED.				P6		6			
P8		PED.				P8		8			

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INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING NORTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

INTERVAL CHART

SIGNAL FACES	1+5	CLR	1+6	CLR	2+5	CLR	2+6	CLR	3+7	CLR	3+8	CLR	4+7	CLR	4+8	CLR	FLASH SEQ
1	←G	*	←G	*	←FY	***	←FY	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
2	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
3	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
4	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←G	*	←FY	***	←FY	***	←R
5	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	**	R
6	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	**	R
7	←G	*	←FY	***	←G	*	←FY	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
8	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
9	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
10	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←FY	***	←G	*	←FY	***	←R
11	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**	R
12	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**	R
P1	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	B
P2	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P3	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P4	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	B
P5	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	B
P6	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P7	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P8	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	B

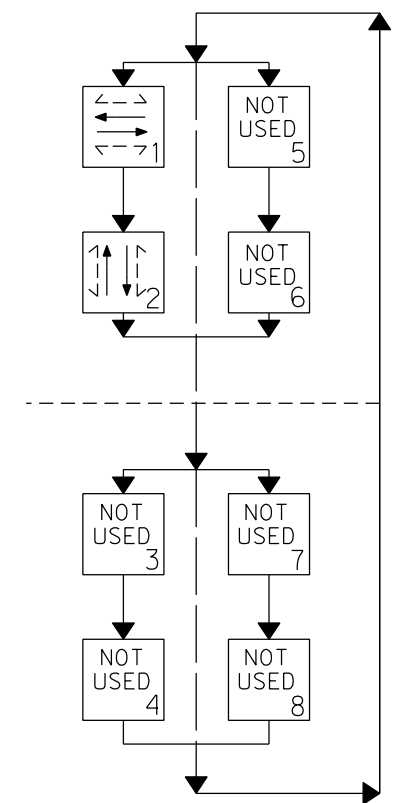
* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
*** DENOTES FLASHING YELLOW ARROW OR YELLOW ARROW DEPENDING ON NEXT PHASE

LOCATION: HARKRIDER STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

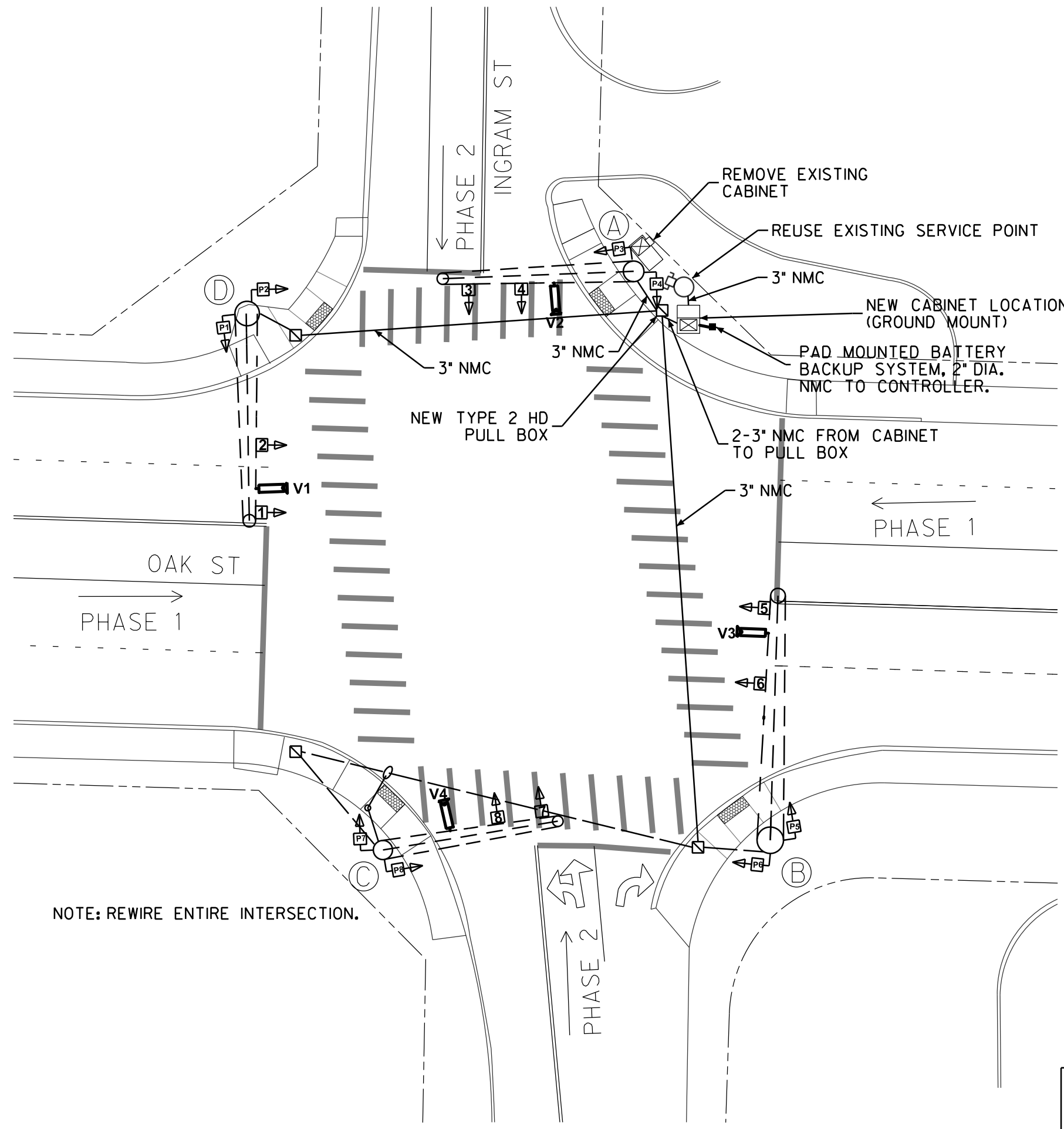
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	26	65
SIGNALIZATION PLAN SHEET						

PHASING DIAGRAM



LEGEND

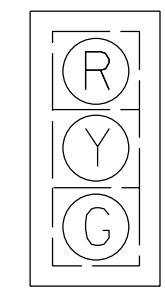
- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



NOTE: REWIRE ENTIRE INTERSECTION.

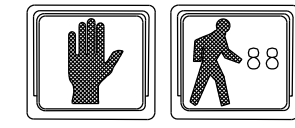
EXISTING SIGNAL HEADS

12in LENSES



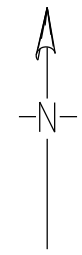
1,2,3,4
5,6,7,8

One Section (Solid Symbol)



P1,P2,P3,P4,
P5,P6,P7,P8

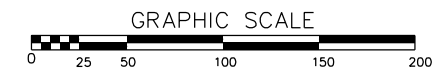
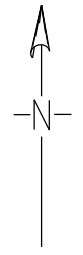
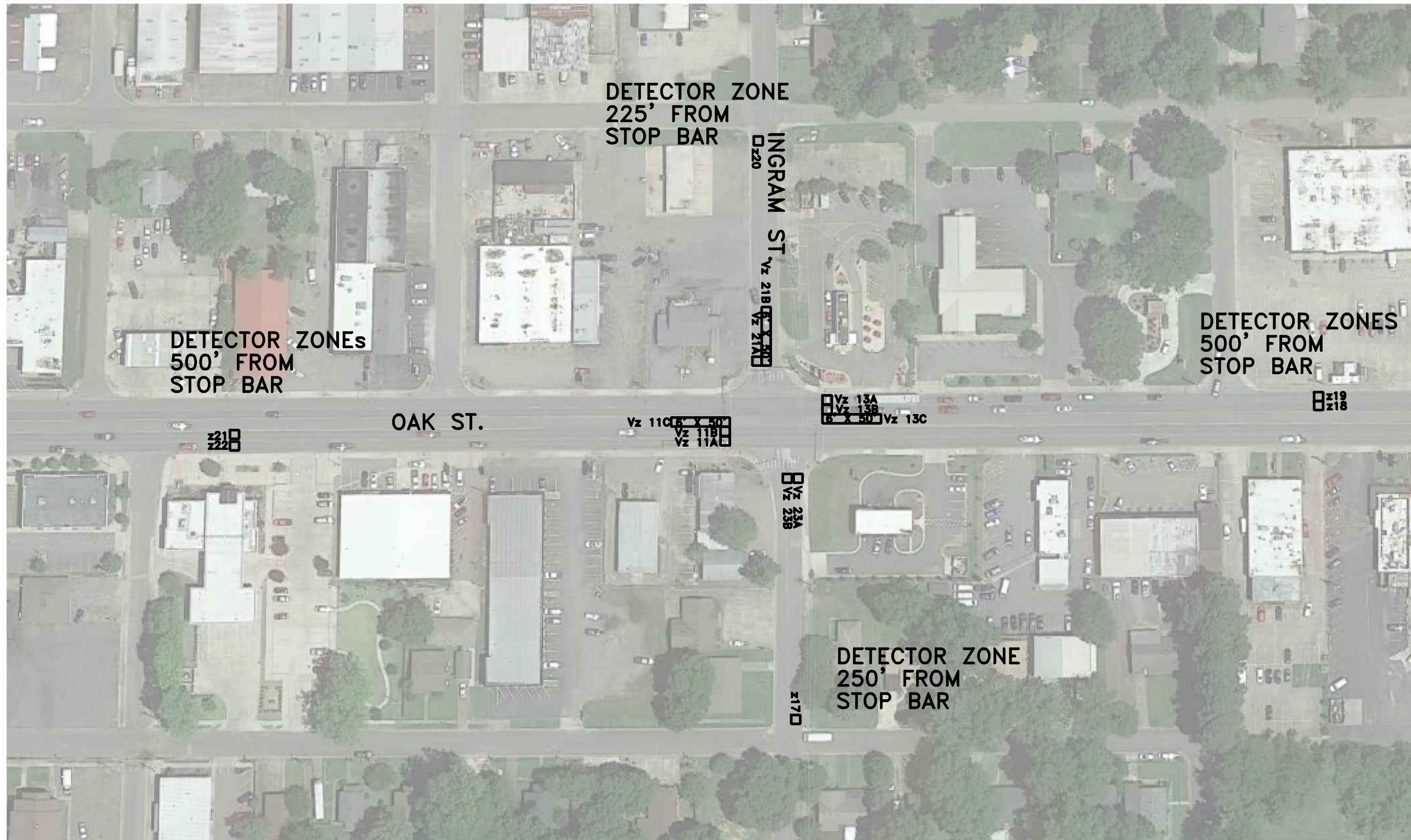
- NOTES:
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES
 2. REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



LOCATION: INGRAM STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG05.40.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	27	65
SIGNALIZATION PLAN SHEET						



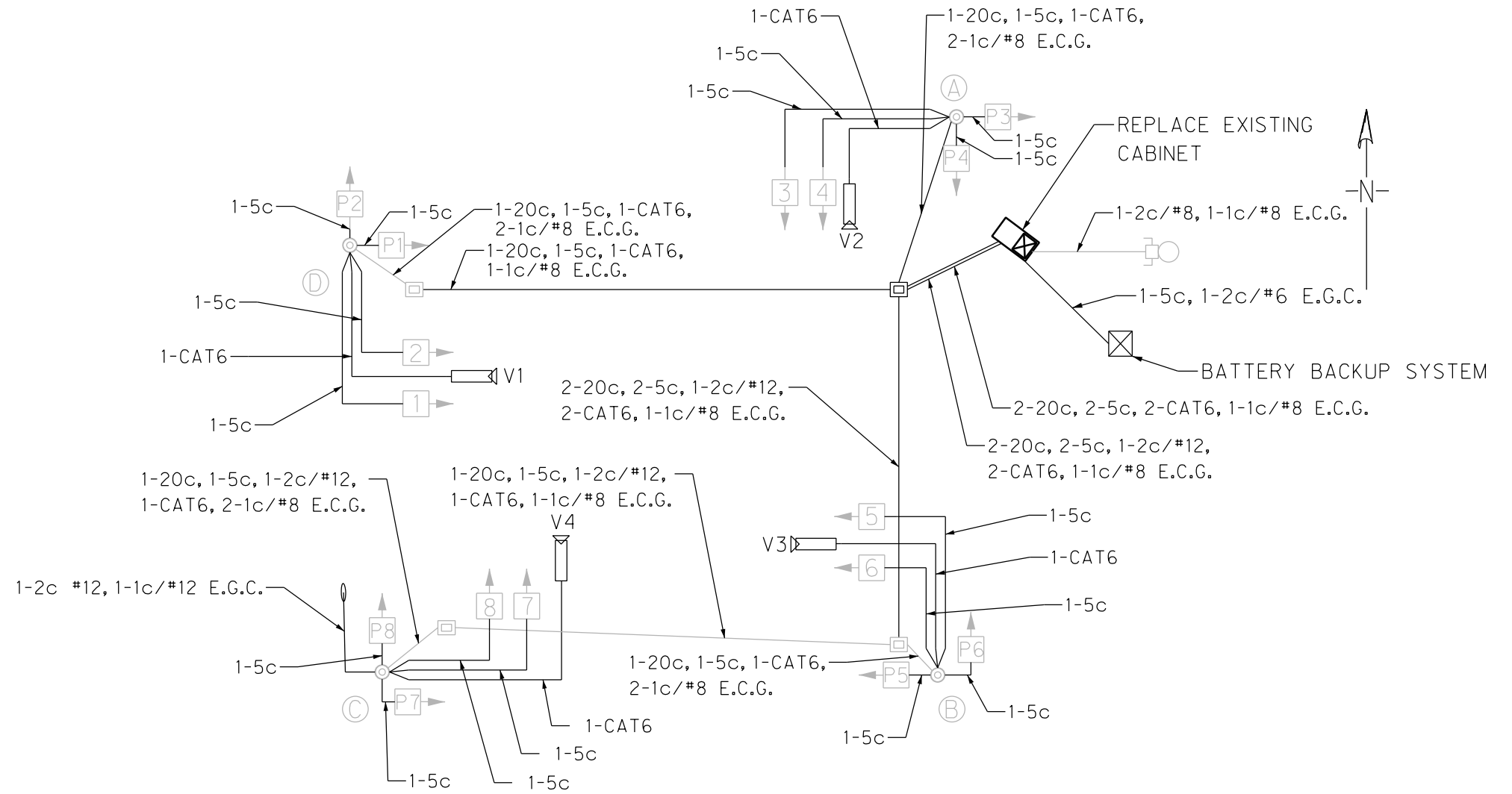
LOCATION: INGRAM STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG05.MAP.DGN

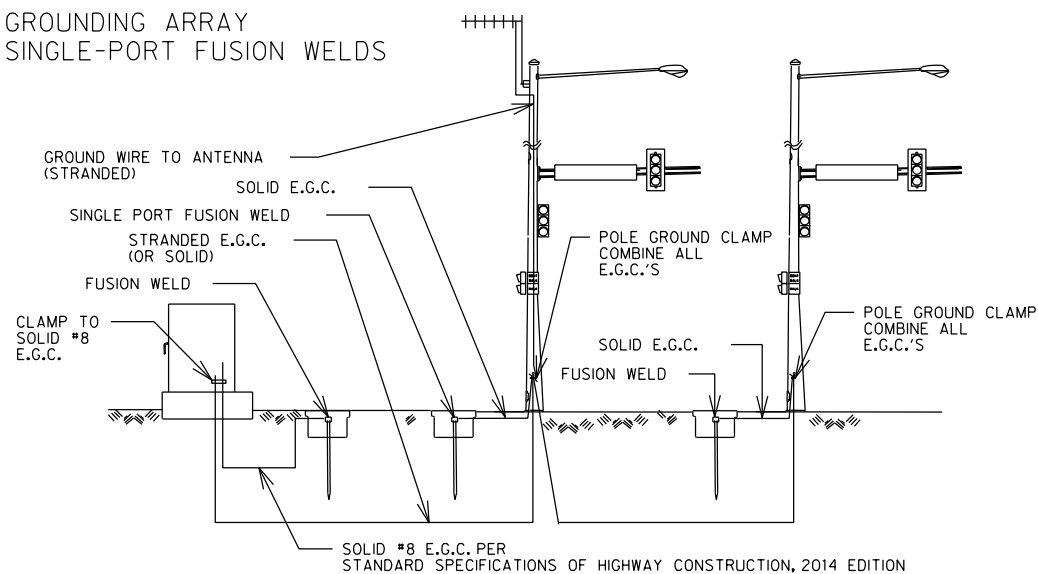
WIRING DIAGRAM

LEGEND

- Existing Conduit
- Existing Wiring
- Proposed Conduit
- Proposed Wiring



GROUNDING ARRAY SINGLE-PORT FUSION WELDS



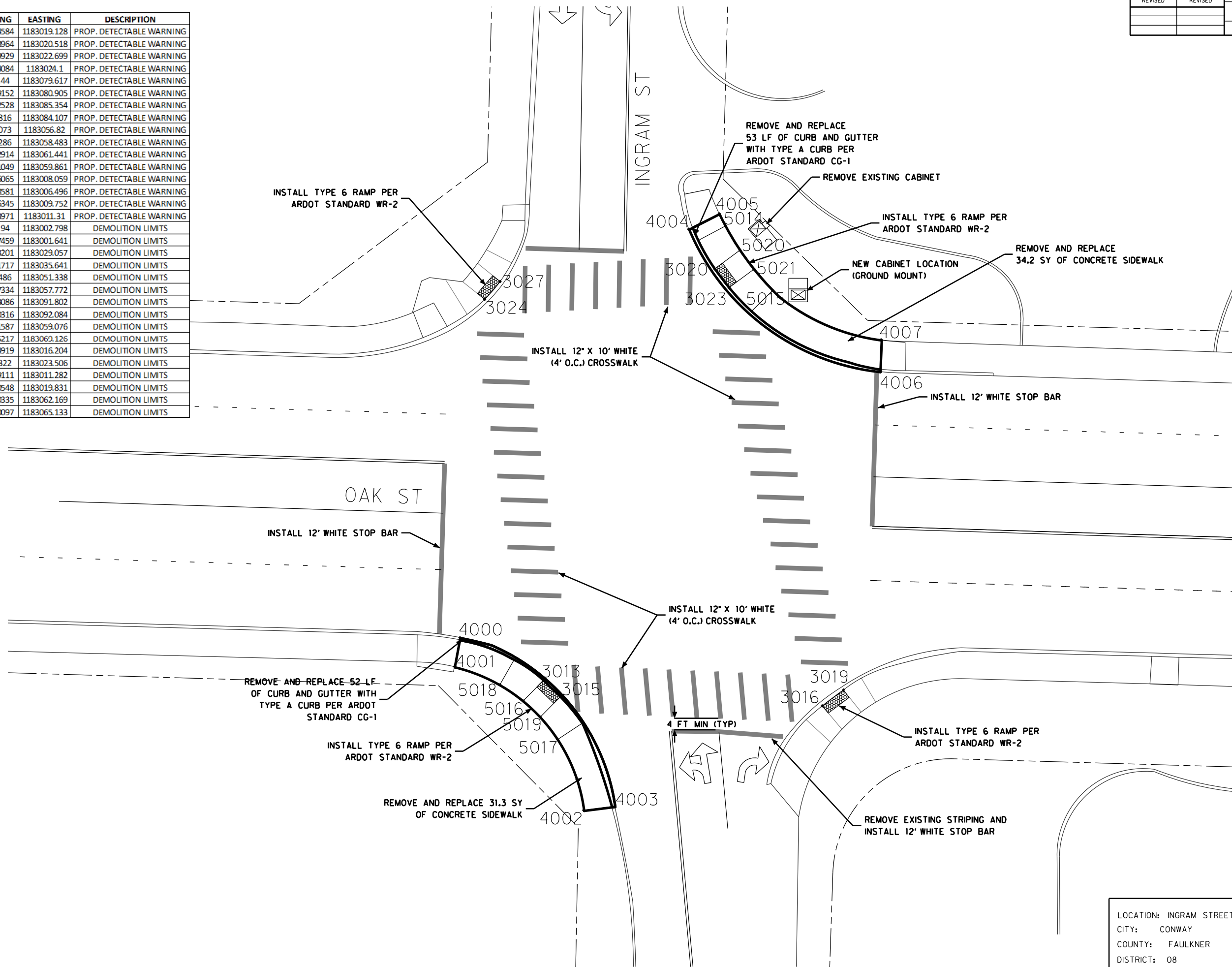
NOTES TO CONTRACTOR:

1. ONE SEPARATE 1-5c IS RUN TO EACH POLE FOR THE PEDESTRIAN PUSH BUTTON.
2. ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA OF CABINET.
3. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.

LOCATION: INGRAM STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

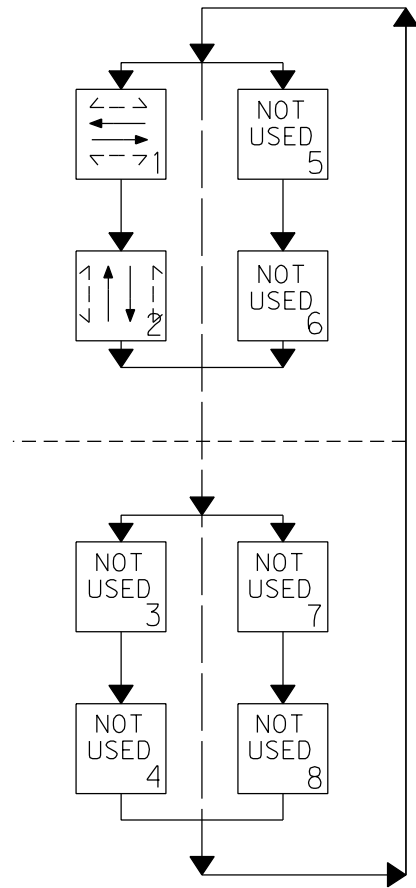
POINT	NORTHING	EASTING	DESCRIPTION
3012	276282.4584	1183019.128	PROP. DETECTABLE WARNING
3013	276283.8964	1183020.518	PROP. DETECTABLE WARNING
3014	276278.9929	1183022.699	PROP. DETECTABLE WARNING
3015	276280.4084	1183024.1	PROP. DETECTABLE WARNING
3016	276278.44	1183079.617	PROP. DETECTABLE WARNING
3017	276276.9152	1183080.905	PROP. DETECTABLE WARNING
3018	276280.2528	1183085.354	PROP. DETECTABLE WARNING
3019	276281.816	1183084.107	PROP. DETECTABLE WARNING
3020	276371.073	1183056.82	PROP. DETECTABLE WARNING
3021	276372.286	1183058.483	PROP. DETECTABLE WARNING
3022	276368.2914	1183061.441	PROP. DETECTABLE WARNING
3023	276367.1049	1183059.861	PROP. DETECTABLE WARNING
3024	276364.6065	1183008.059	PROP. DETECTABLE WARNING
3025	276365.8581	1183006.496	PROP. DETECTABLE WARNING
3026	276369.6345	1183009.752	PROP. DETECTABLE WARNING
3027	276368.3971	1183011.31	PROP. DETECTABLE WARNING
4000	276292.94	1183002.798	DEMOLITION LIMITS
4001	276286.7459	1183001.641	DEMOLITION LIMITS
4002	276256.3201	1183029.057	DEMOLITION LIMITS
4003	276257.1717	1183035.641	DEMOLITION LIMITS
4004	276379.486	1183051.338	DEMOLITION LIMITS
4005	276382.7334	1183057.772	DEMOLITION LIMITS
4006	276349.3086	1183091.802	DEMOLITION LIMITS
4007	276356.0316	1183092.084	DEMOLITION LIMITS
5014	276380.1587	1183059.076	DEMOLITION LIMITS
5015	276366.5217	1183060.126	DEMOLITION LIMITS
5016	276279.4919	1183016.204	DEMOLITION LIMITS
5017	276271.322	1183023.506	DEMOLITION LIMITS
5018	276282.9111	1183011.282	DEMOLITION LIMITS
5019	276276.0548	1183019.831	DEMOLITION LIMITS
5020	276375.0335	1183062.169	DEMOLITION LIMITS
5021	276371.0097	1183065.133	DEMOLITION LIMITS



LOCATION: INGRAM STREET
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDF.DGN
 T34372.SIG05.ADA.DGN

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		MASTER SYSTEM DETECTOR NUMBERS	COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	SYSTEM DET. #			
Vz 11A&B	EB NEAR	LOCAL				V1	1			VECTOR V3	23"
Vz 11C	EB LEFT NEAR	LOCAL				V9	1			VECTOR V3	23"
z21	EB FAR	COMB.				21				VECTOR V3	23"
z22	EB FAR	COMB.				22				VECTOR V3	23"
Vz 13A&B	WB NEAR	LOCAL				V1	1			VECTOR V1	23"
Vz 13C	WB LEFT NEAR	LOCAL				V9	1			VECTOR V1	23"
z18	WB FAR	COMB.				18				VECTOR V1	23"
z19	WB FAR	COMB.				19				VECTOR V1	23"
Vz 21A	SB NEAR	LOCAL				V2	2			VECTOR V4	23"
Vz 21B	SB LEFT NEAR	LOCAL				V10	2			VECTOR V4	23"
z20	SB FAR	COMB.				20				VECTOR V4	23"
Vz 23A&B	NB NEAR	LOCAL				V2	2			VECTOR V2	23"
z17	NB FAR	COMB.				17				VECTOR V2	23"
P1		PED.				P1	1				
P2		PED.				P2	2				

CONTROLLER INPUT ABBREVIATIONS:

V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERVAL CHART

SIGNAL FACES	1	CLR	2	CLR	FLASH SEQ
1	G	Y	R	R	R
2	G	Y	R	R	R
3	R	R	G	Y	R
4	R	R	G	Y	R
5	G	Y	R	R	R
6	G	Y	R	R	R
7	R	R	G	Y	R
8	R	R	G	Y	R
P1	DW	DW	W	FDW	B
P2	W	FDW	DW	DW	B
P3	W	FDW	DW	DW	B
P4	DW	DW	W	FDW	B
P5	DW	DW	W	FDW	B
P6	W	FDW	DW	DW	B
P7	DW	DW	W	FDW	B
P8	W	FDW	DW	DW	B

INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

LOCATION: INGRAM STREET
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

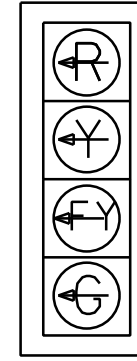
DRAWN BY: HALFF

PROPOSED PHASING DIAGRAM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	31	65
SIGNALIZATION PLAN SHEET						

PROPOSED SIGNAL FACES

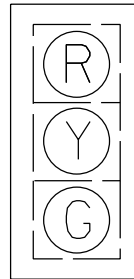
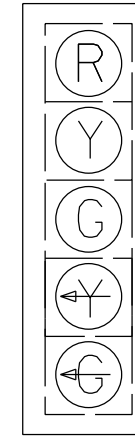
12in LENSES



5

EXISTING SIGNAL HEADS

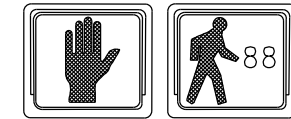
12in LENSES



1,2,6,7,8,9

5 (To Be Removed) 3,4 (To Be Removed)

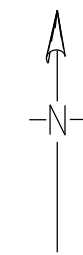
One Section (Solid Symbol)



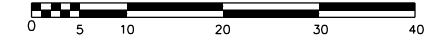
P1,P2,P3, P4

NOTES:

1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
2. REFER TO SPECIAL PROVISIONS FOR 'RETROREFLECTIVE BACKPLATES' FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.

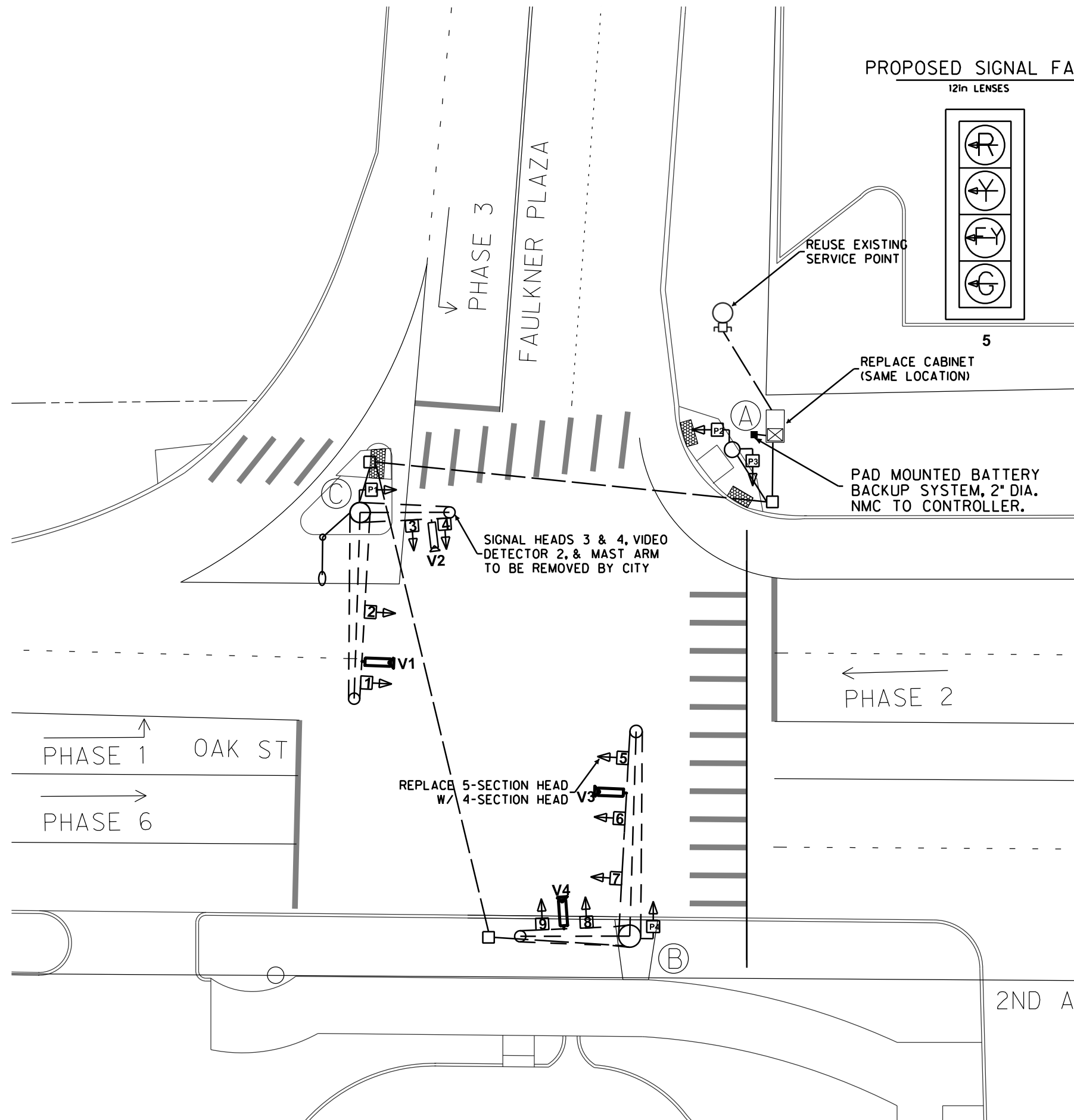


GRAPHIC SCALE



LOCATION: FAULKNER PLAZA
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

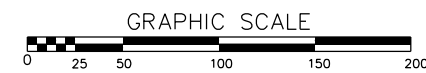
DRAWN BY: HALFF



LEGEND

- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)

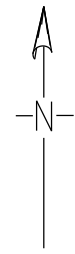
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	32	65
SIGNALIZATION PLAN SHEET						



LOCATION: FAULKNER PLAZA
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	33	65
SIGNALIZATION PLAN SHEET						

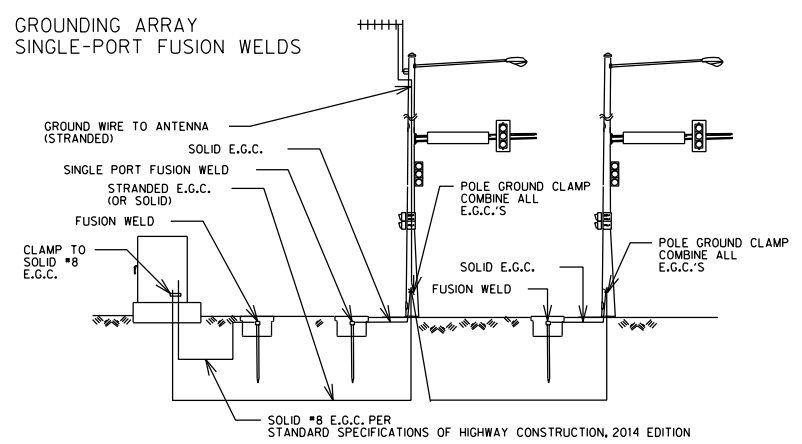
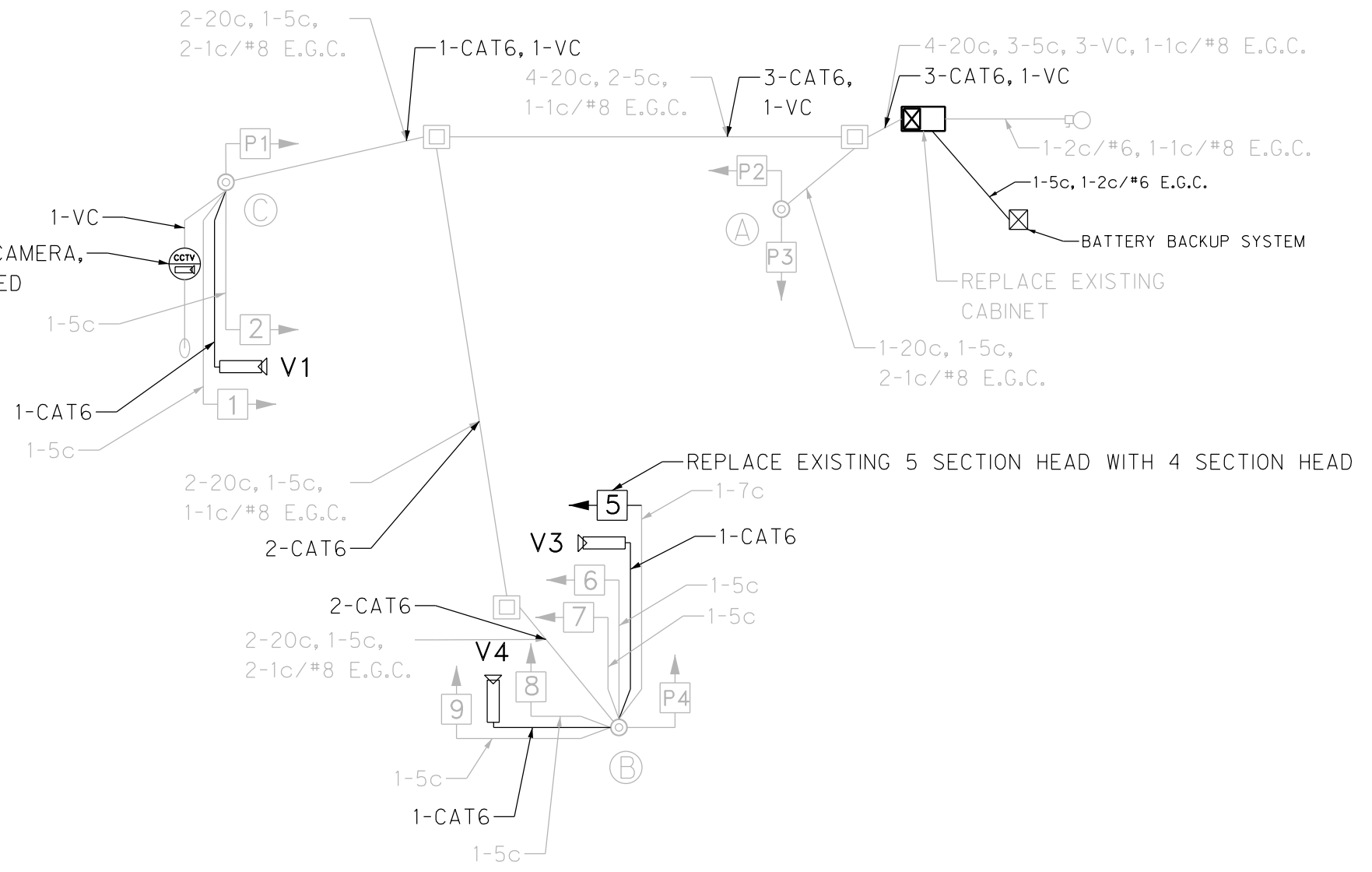


WIRING DIAGRAM

LEGEND

- Existing Conduit
- Existing Wiring
- Proposed Conduit
- Proposed Wiring

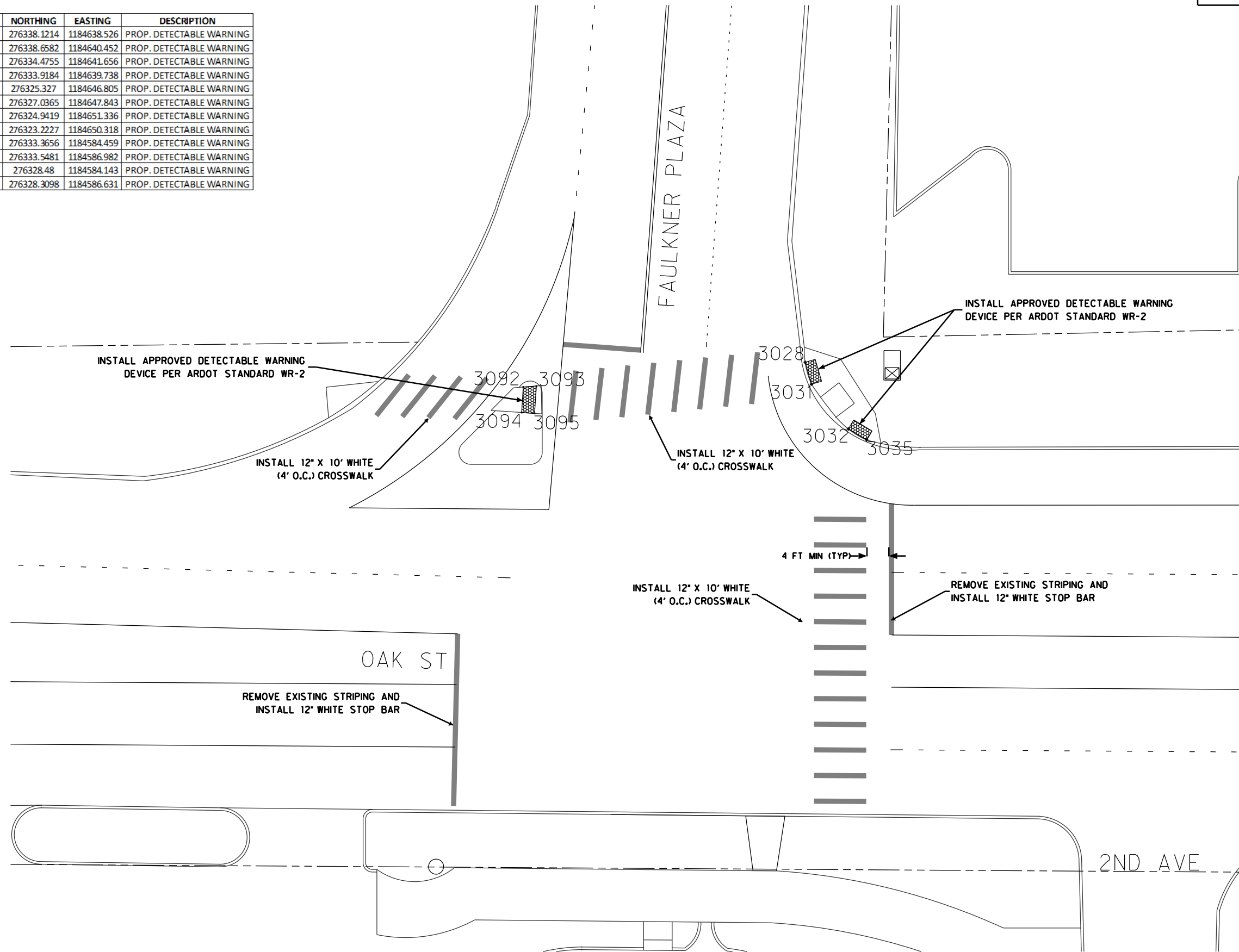
REPLACE EXISTING PTZ CAMERA, EXISTING TO BE DELIVERED TO CITY OF CONWAY



LOCATION: FAULKNER PLAZA
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG06.WIRE.DGN

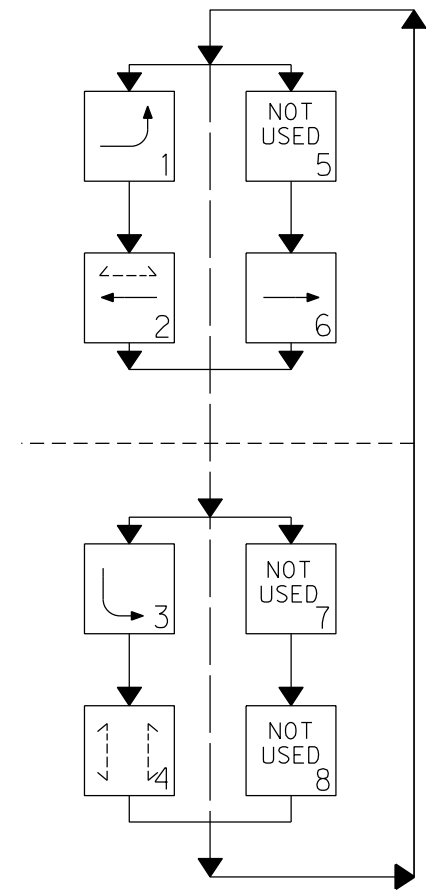
POINT	NORTHING	EASTING	DESCRIPTION
3028	276338.1214	1184638.526	PROP. DETECTABLE WARNING
3029	276338.6582	1184640.452	PROP. DETECTABLE WARNING
3030	276334.4755	1184641.656	PROP. DETECTABLE WARNING
3031	276333.9184	1184639.738	PROP. DETECTABLE WARNING
3032	276325.327	1184646.805	PROP. DETECTABLE WARNING
3033	276327.0365	1184647.843	PROP. DETECTABLE WARNING
3034	276324.9419	1184651.336	PROP. DETECTABLE WARNING
3035	276323.2227	1184650.318	PROP. DETECTABLE WARNING
3092	276333.3656	1184584.459	PROP. DETECTABLE WARNING
3093	276333.5481	1184586.982	PROP. DETECTABLE WARNING
3094	276328.48	1184584.143	PROP. DETECTABLE WARNING
3095	276328.3098	1184586.631	PROP. DETECTABLE WARNING



LOCATION: FAULKNER PLAZA
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

PROPOSED PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	MASTER SYSTEM DETECTOR NUMBERS		
Vz 11	EB LEFT NEAR	LOCAL				V1	1		VECTOR V3 23"	
z20	EB LEFT NEAR	LOCAL				20			VECTOR V3 23"	
Vz 21 A&B	WB NEAR	LOCAL				V2	2		VECTOR V1 23"	
z18	WB FAR	COMB.				18			VECTOR V1 23"	
z19	WB FAR	COMB.				19			VECTOR V1 23"	
Vz 31	NB NEAR	LOCAL				V3	3		VECTOR V4 23"	
z19	NB FAR	COMB.				19			VECTOR V4 23"	
Vz 61 A&B	EB NEAR	LOCAL				V6	6		VECTOR V3 23"	
z21	EB FAR	COMB.				21			VECTOR V3 23"	
z22	EB FAR	COMB.				22			VECTOR V3 23"	
P2		PED.				P2	2			
P4		PED.				P4	4			

CONTROLLER INPUT ABBREVIATIONS:
V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERSECTION NOTES

1. CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
2. INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.
3. CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

INTERVAL CHART

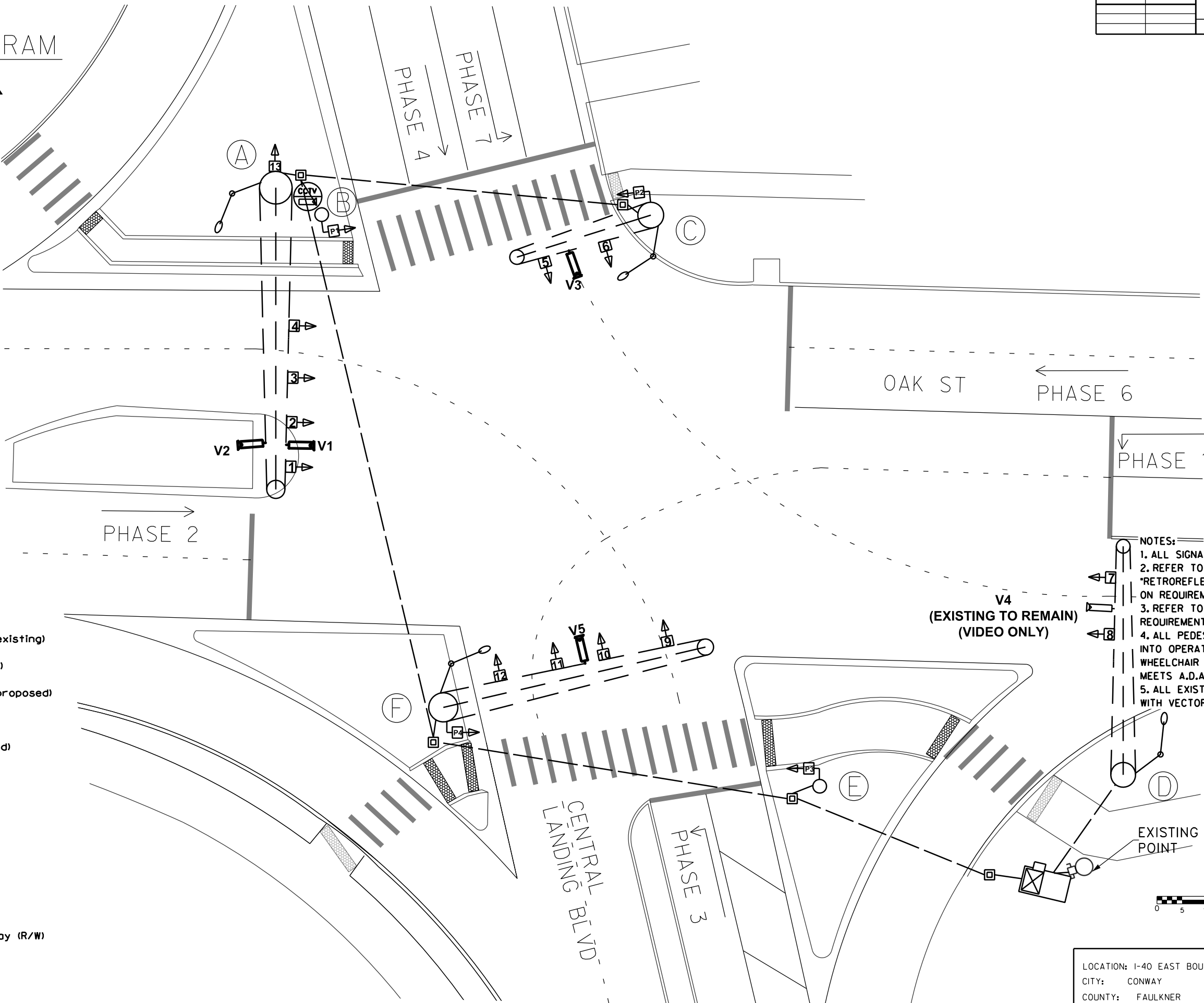
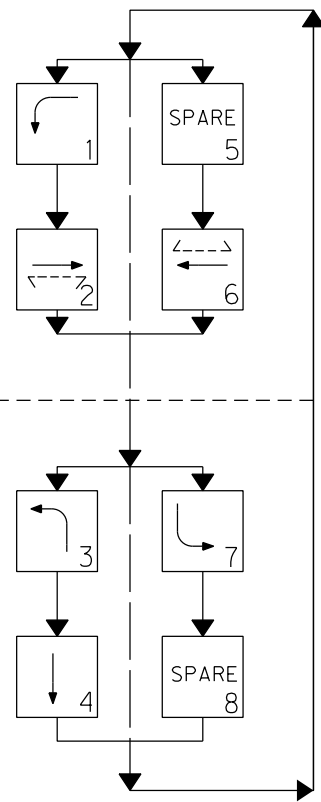
SIGNAL FACES	1+6	CLR	2+6	CLR	3	CLR	4	CLR	FLASH SEQ
1	R	R	G	Y	R	R	R	R	R
2	R	R	G	Y	R	R	R	R	R
5	←G	*	←FY	***	←R	←R	←R	←R	←R
6	G	**	G	**	R	R	R	R	R
7	G	**	G	**	R	R	R	R	R
8	R	R	R	R	G	Y	R	R	R
9	R	R	R	R	G	Y	R	R	R
P1	DW	DW	W	FDW	DW	DW	DW	DW	B
P2	DW	DW	W	FDW	DW	DW	DW	DW	B
P3	DW	DW	DW	DW	DW	DW	W	FDW	B
P4	DW	DW	DW	DW	DW	DW	W	FDW	B

- * DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
- ** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
- *** DENOTES FLASHING YELLOW OR YELLOW ARROW DEPENDING ON NEXT PHASE

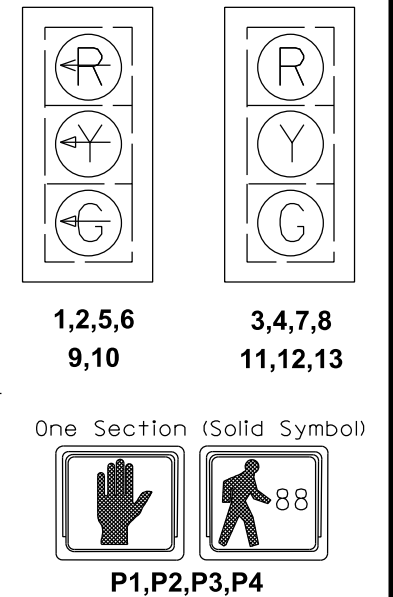
LOCATION: FAULKNER PLAZA
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08
DRAWN BY: HALFF

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	36	65
SIGNALIZATION PLAN SHEET						

PHASING DIAGRAM



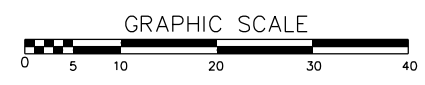
EXISTING SIGNAL HEADS 12in LENSES



LEGEND

- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)

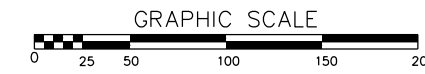
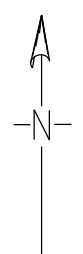
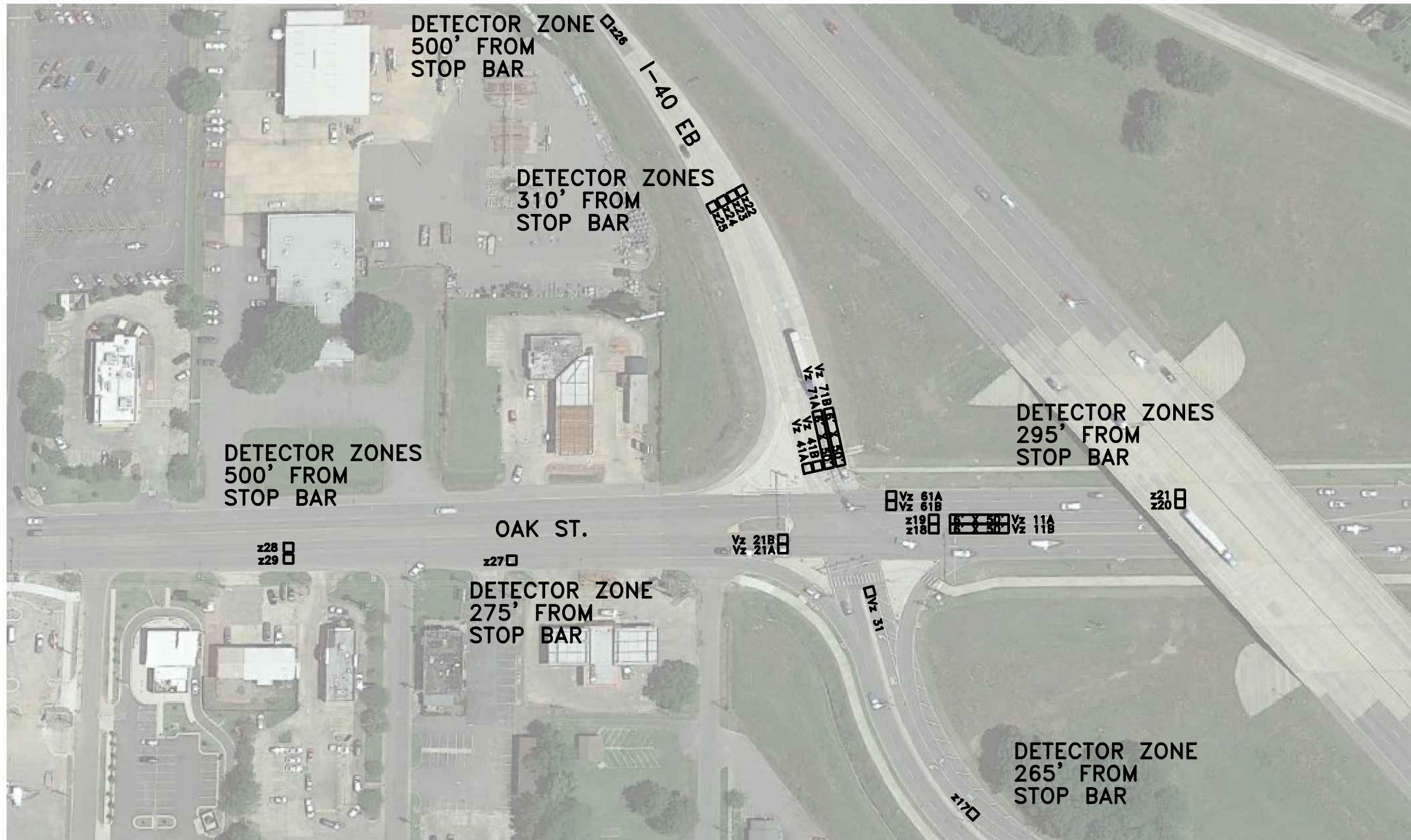
- NOTES:**
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 2. REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



LOCATION: I-40 EAST BOUND
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

ah3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG07.40.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	37	65
SIGNALIZATION PLAN SHEET						

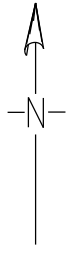


LOCATION: I-40 EB
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

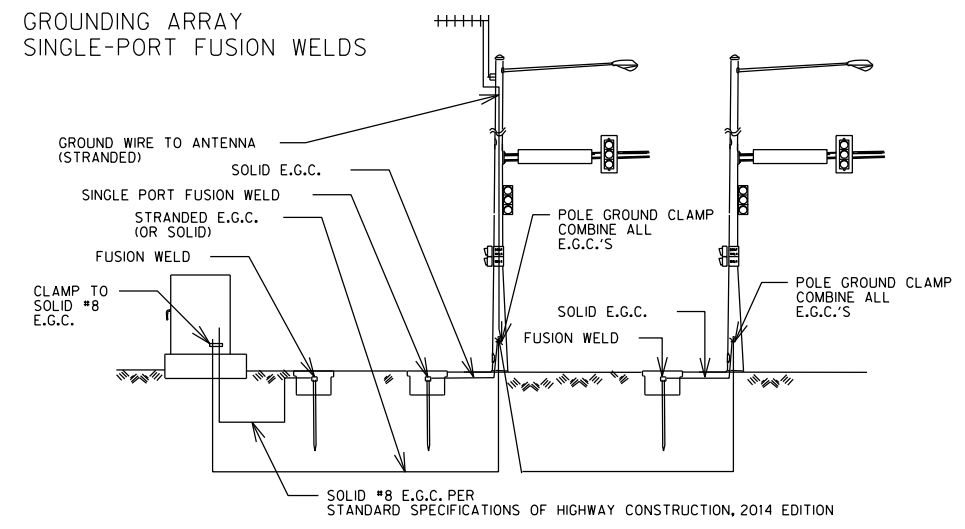
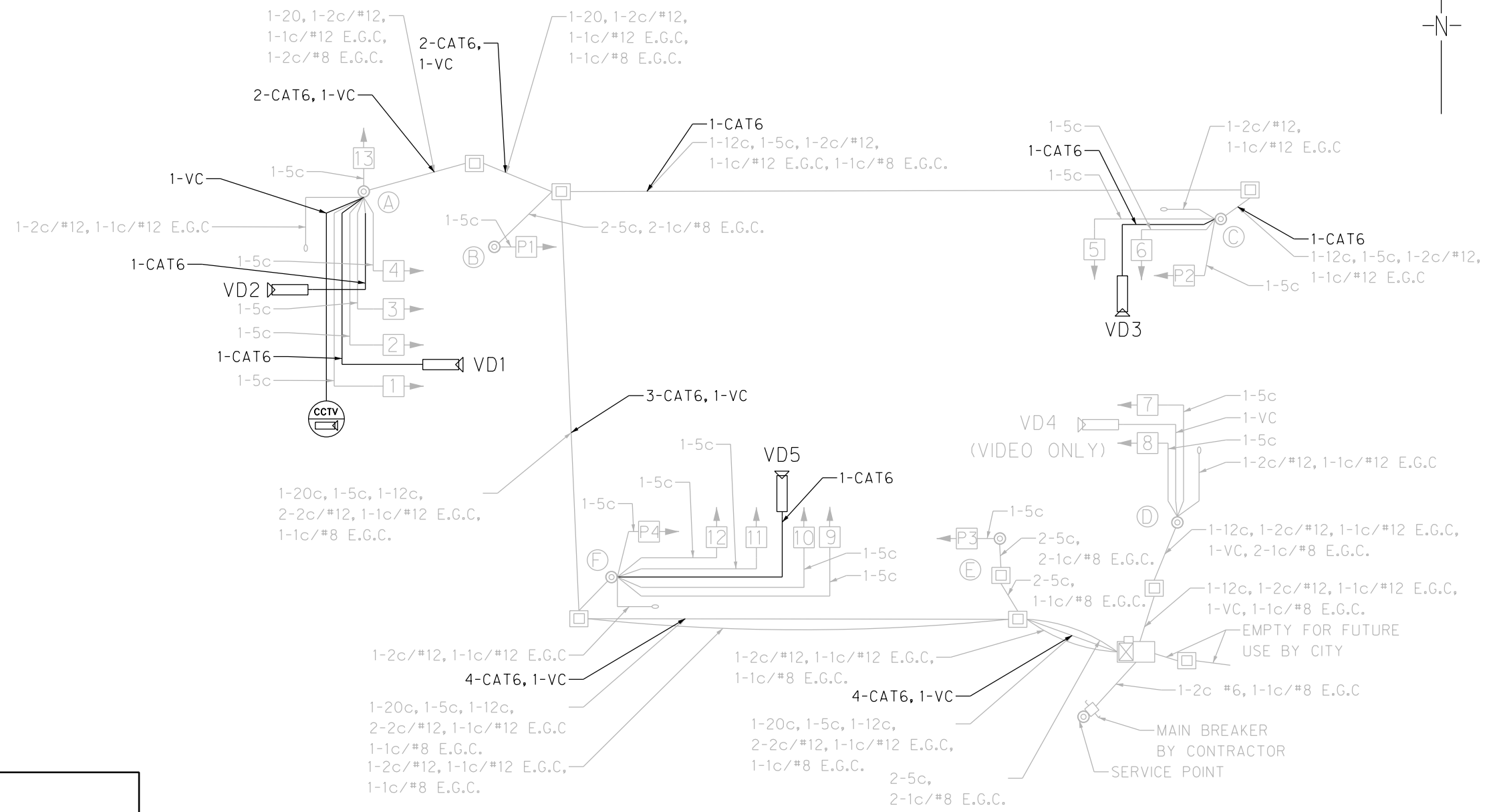
dn3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG07.MAP.DGN

WIRING DIAGRAM

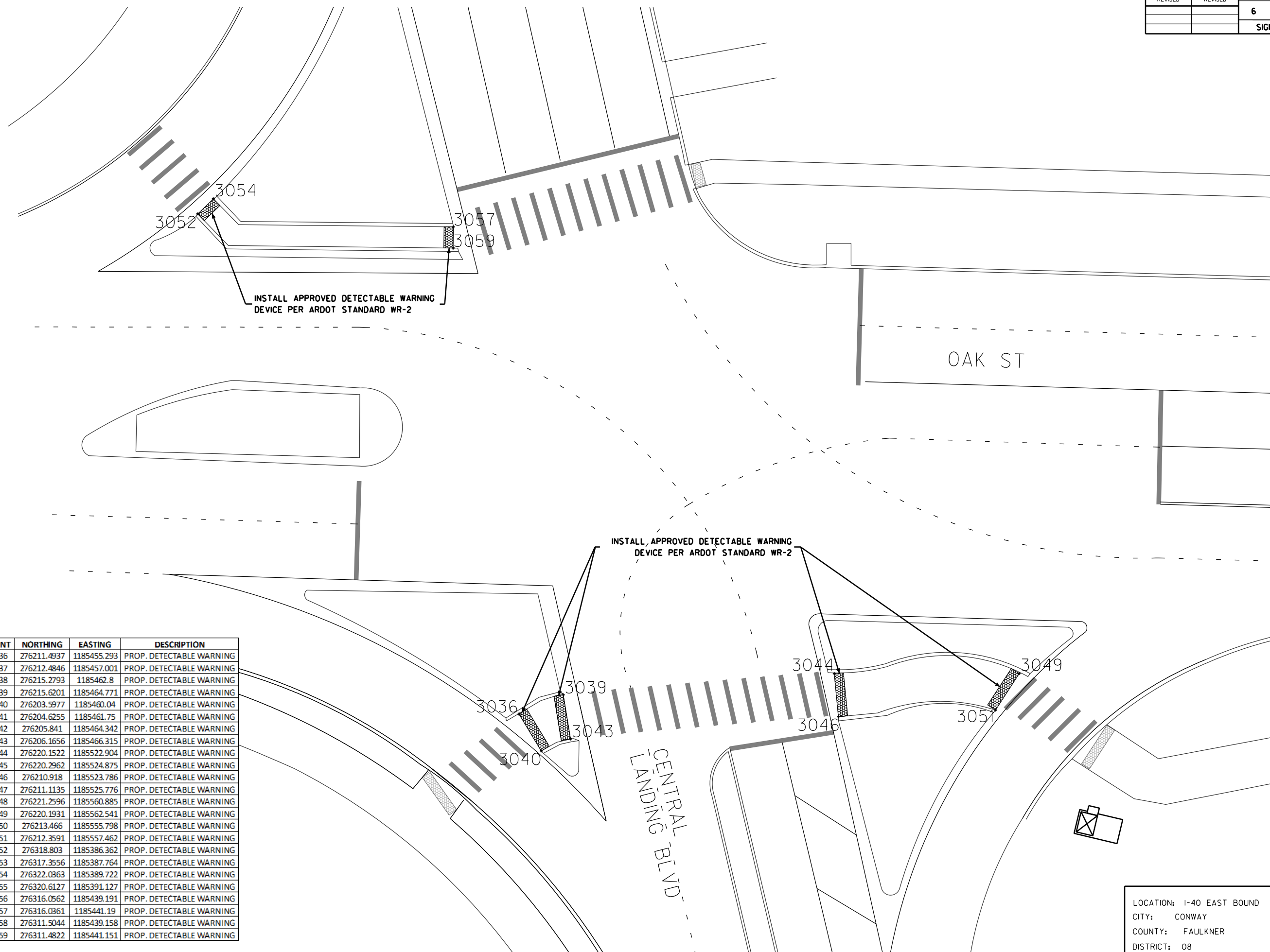


LEGEND

- Existing Conduit
- Existing Wiring
- Proposed Conduit
- Proposed Wiring



CONTRACTOR TO REMOVE EXISTING VIDEO CABLE (EXCEPT FOR VD4)



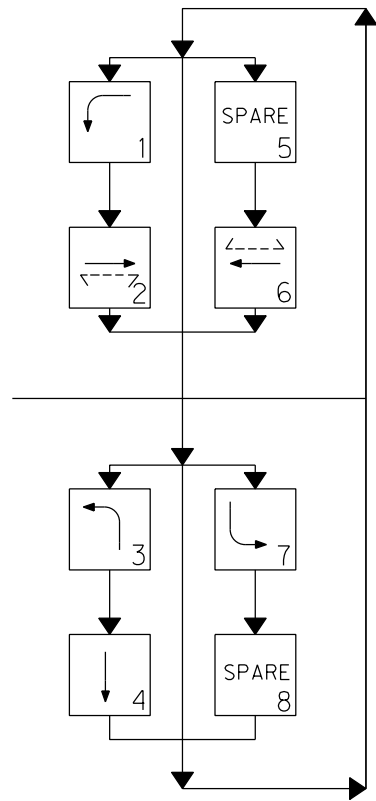
POINT	NORTHING	EASTING	DESCRIPTION
3036	276211.4937	1185455.293	PROP. DETECTABLE WARNING
3037	276212.4846	1185457.001	PROP. DETECTABLE WARNING
3038	276215.2793	1185462.8	PROP. DETECTABLE WARNING
3039	276215.6201	1185464.771	PROP. DETECTABLE WARNING
3040	276203.5977	1185460.04	PROP. DETECTABLE WARNING
3041	276204.6255	1185461.75	PROP. DETECTABLE WARNING
3042	276205.841	1185464.342	PROP. DETECTABLE WARNING
3043	276206.1656	1185466.315	PROP. DETECTABLE WARNING
3044	276220.1522	1185522.904	PROP. DETECTABLE WARNING
3045	276220.2962	1185524.875	PROP. DETECTABLE WARNING
3046	276210.918	1185523.786	PROP. DETECTABLE WARNING
3047	276211.1135	1185525.776	PROP. DETECTABLE WARNING
3048	276221.2596	1185560.885	PROP. DETECTABLE WARNING
3049	276220.1931	1185562.541	PROP. DETECTABLE WARNING
3050	276213.466	1185555.798	PROP. DETECTABLE WARNING
3051	276212.3591	1185557.462	PROP. DETECTABLE WARNING
3052	276318.803	1185386.362	PROP. DETECTABLE WARNING
3053	276317.3556	1185387.764	PROP. DETECTABLE WARNING
3054	276322.0363	1185389.722	PROP. DETECTABLE WARNING
3055	276320.6127	1185391.127	PROP. DETECTABLE WARNING
3056	276316.0562	1185439.191	PROP. DETECTABLE WARNING
3057	276316.0361	1185441.19	PROP. DETECTABLE WARNING
3058	276311.5044	1185439.158	PROP. DETECTABLE WARNING
3059	276311.4822	1185441.151	PROP. DETECTABLE WARNING

LOCATION: I-40 EAST BOUND
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG07.ADA.DGN

PHASING DIAGRAM



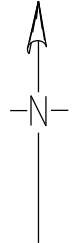
DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	MASTER SYSTEM DETECTOR NUMBERS		
Vz 11 A&B	WB LEFT NEAR	LOCAL				V1	1		VECTOR V1	23"
z18	WB LEFT NEAR	LOCAL				18			VECTOR V1	23"
z19	WB LEFT NEAR	LOCAL				19			VECTOR V1	23"
Vz 21 A&B	EB NEAR	LOCAL				V2	2		VECTOR V2	23"
z27	EB RIGHT	SYS.				26			VECTOR V2	23"
z28	EB FAR	SYS.				27			CAMERA V4	23"
z29	EB FAR	SYS.				28			CAMERA V4	23"
Vz 31	NB LEFT NEAR	LOCAL				V3	3		VECTOR V3	23"
z17	NB LEFT FAR	LOCAL				17			VECTOR V3	23"
Vz 41 A&B	SB NEAR	LOCAL				V4	4		VECTOR V5	23"
z24	SB FAR	COMB.				24			VECTOR V5	23"
z25	SB FAR	COMB.				25			VECTOR V5	23"
z26	SB CONGESTION	SYS.				V18	4		VECTOR V5	23"
Vz 61 A&B	WB NEAR	LOCAL				V6	6		VECTOR V1	23"
z20	WB FAR	COMB.				20			VECTOR V1	23"
z21	WB FAR	COMB.				21			VECTOR V1	23"
Vz 71A&B	SB LEFT NEAR	LOCAL				V7	7		VECTOR V5	23"
z22	SB LEFT FAR	LOCAL				22			VECTOR V5	23"
z23	SB LEFT FAR	LOCAL				23			VECTOR V5	23"
P2		PED.				P2	2			
P6		PED.				P6	6			

CONTROLLER INPUT ABBREVIATIONS:
V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERVAL CHART

SIGNAL FACES	1+6	CLR	2+6	CLR	3+7	CLR	4+7	CLR	FLASH SEQ
1	←G	←Y	←R	←R	←R	←R	←R	←R	←R
2	←G	←Y	←R	←R	←R	←R	←R	←R	←R
3	G	**	G	**	R	R	R	R	R
4	G	**	G	**	R	R	R	R	R
5	←R	←R	←R	←R	←G	←Y	←R	←R	←R
6	←R	←R	←R	←R	←G	←Y	←R	←R	←R
7	R	R	G	Y	R	R	R	R	R
8	R	R	G	Y	R	R	R	R	R
9	←R	←R	←R	←R	←G	*	←G	*	←R
10	←R	←R	←R	←R	←G	*	←G	*	←R
11	R	R	R	R	R	R	G	**	R
12	R	R	R	R	R	R	G	**	R
13	R	R	R	R	R	R	G	**	R
P1	DW	DW	W	FDW	DW	DW	DW	DW	B
P2	DW	DW	W	FDW	DW	DW	DW	DW	B
P3	DW	DW	W	FDW	DW	DW	DW	DW	B
P4	DW	DW	W	FDW	DW	DW	DW	DW	B

* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE



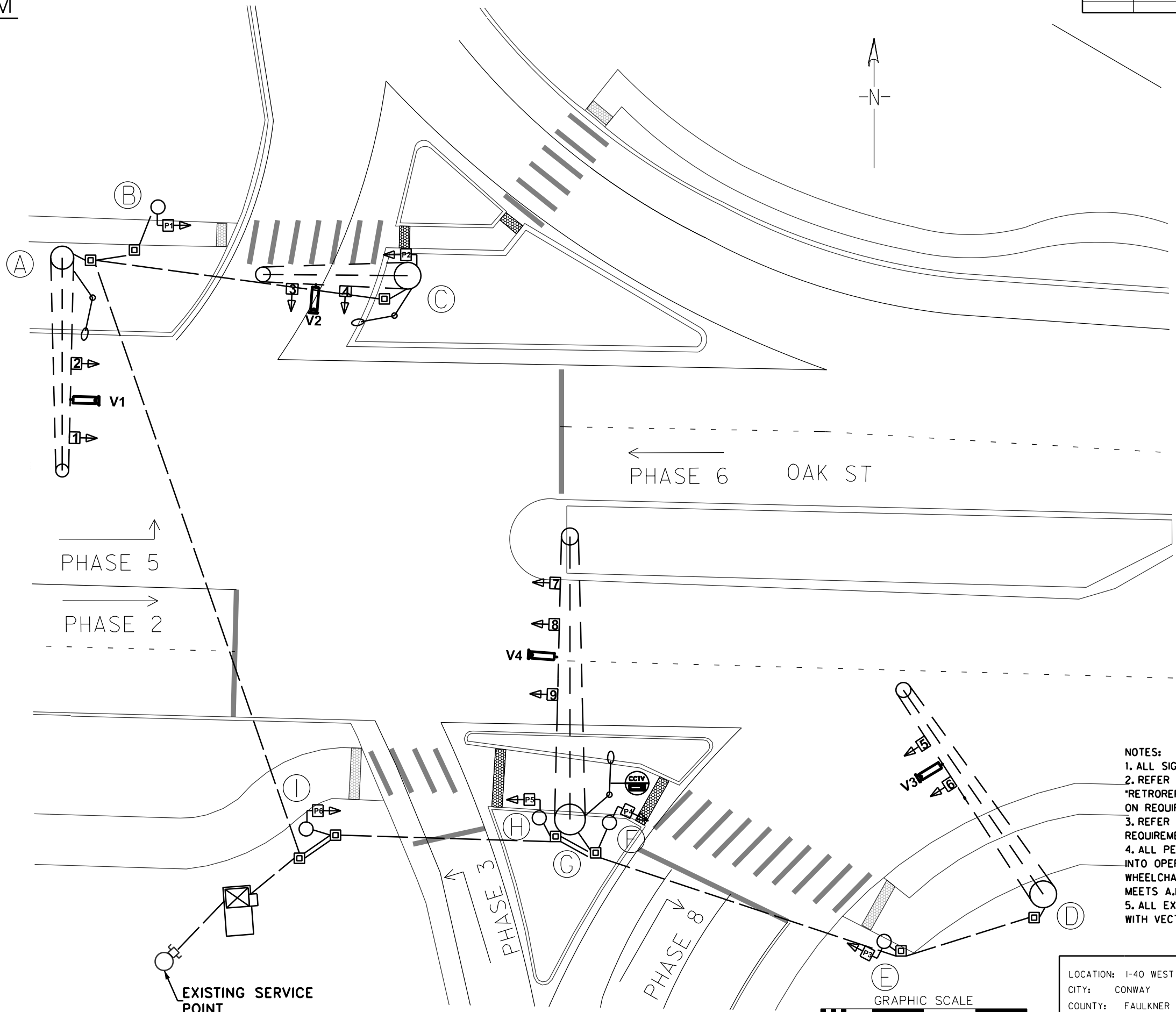
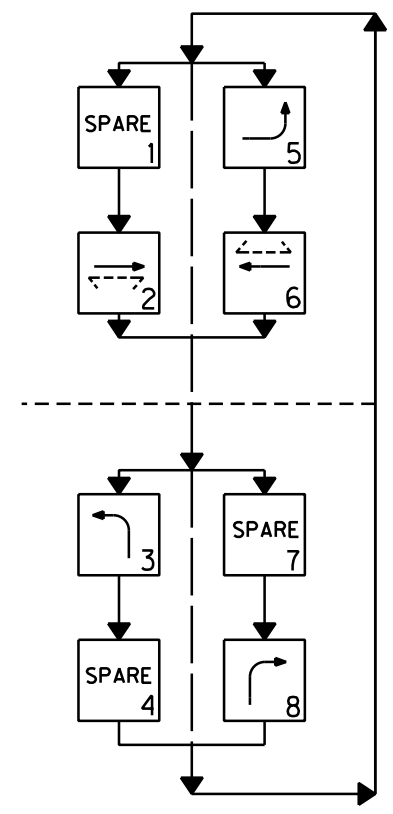
INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- SENSOR LOCATION AND RADIO REPEATER LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. SENSORS TO BE PLACED IN CENTER OF TRAVEL LANES. WHEN INSTALLING ROADWAY SENSORS, MANUFACTURER'S REPRESENTATIVE SHALL BE ONSITE TO ADVISE CONTRACTOR OF EXACT PLACEMENT OF WIRELESS DETECTION DEVICE LOCATIONS PRIOR TO INSTALLATION.
- CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING NORTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

LOCATION: I-40 EAST BOUND
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08
DRAWN BY: HALFF

PHASING DIAGRAM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	41	65
SIGNALIZATION PLAN SHEET						

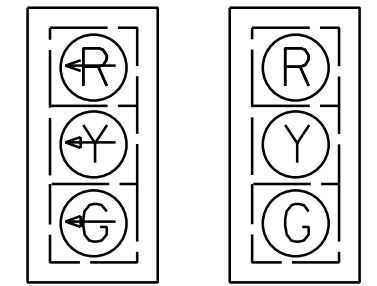


LEGEND

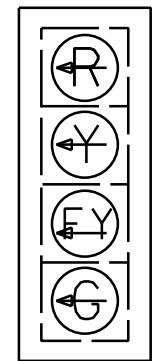
- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)

EXISTING SIGNAL HEADS

12in LENSES

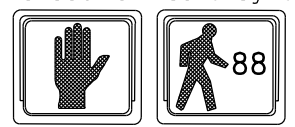


3,4 1,2,5,6
8,9



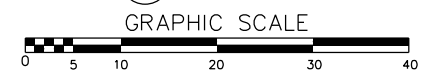
7

One Section (Solid Symbol)



P1,P2,P3,P4
P5,P6

- NOTES:**
- ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 - ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 - ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.

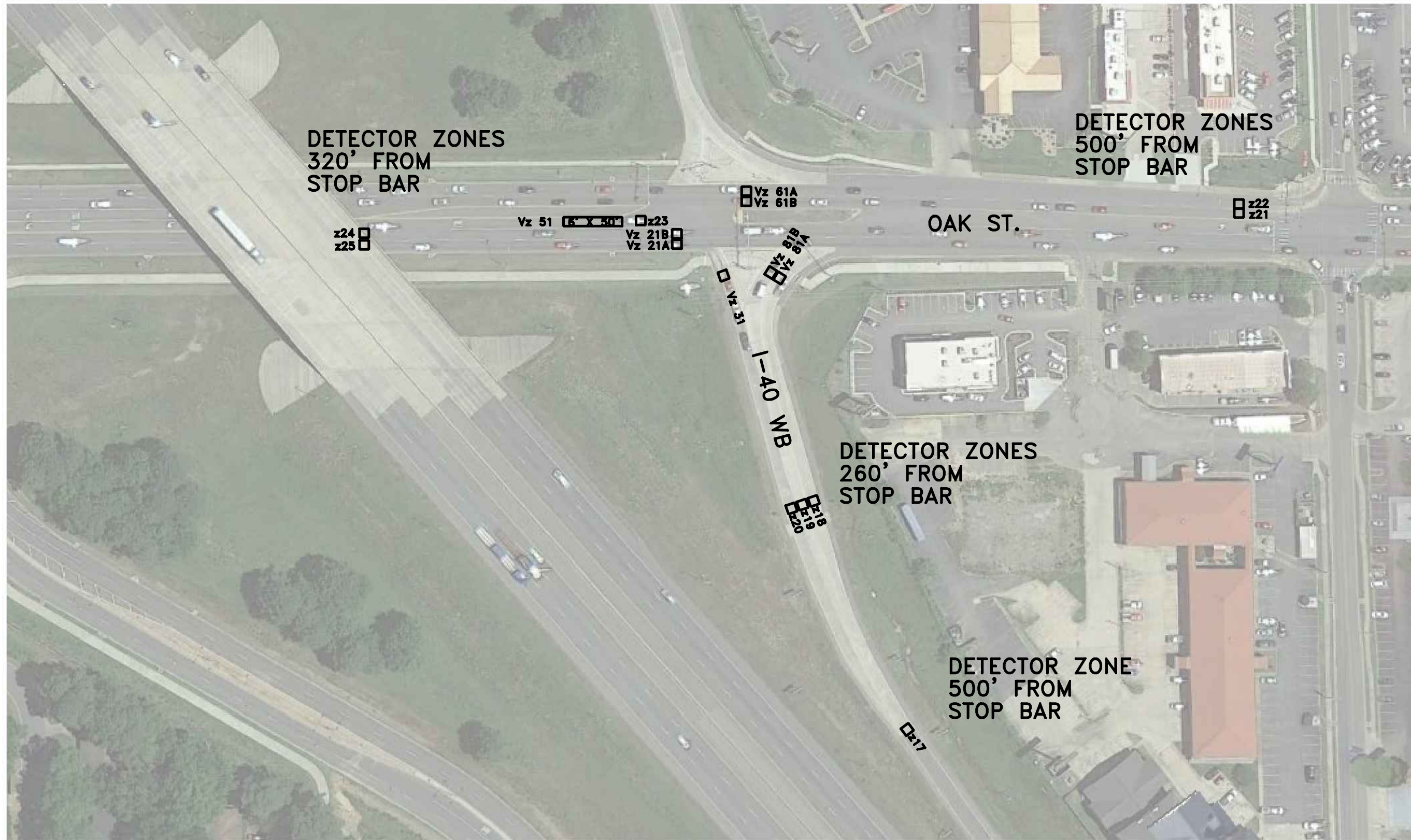


LOCATION: I-40 WEST BOUND
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

ah3593 6/22/2021
 34372.001 BDR.DGN
 T34372.S608.40.DGN

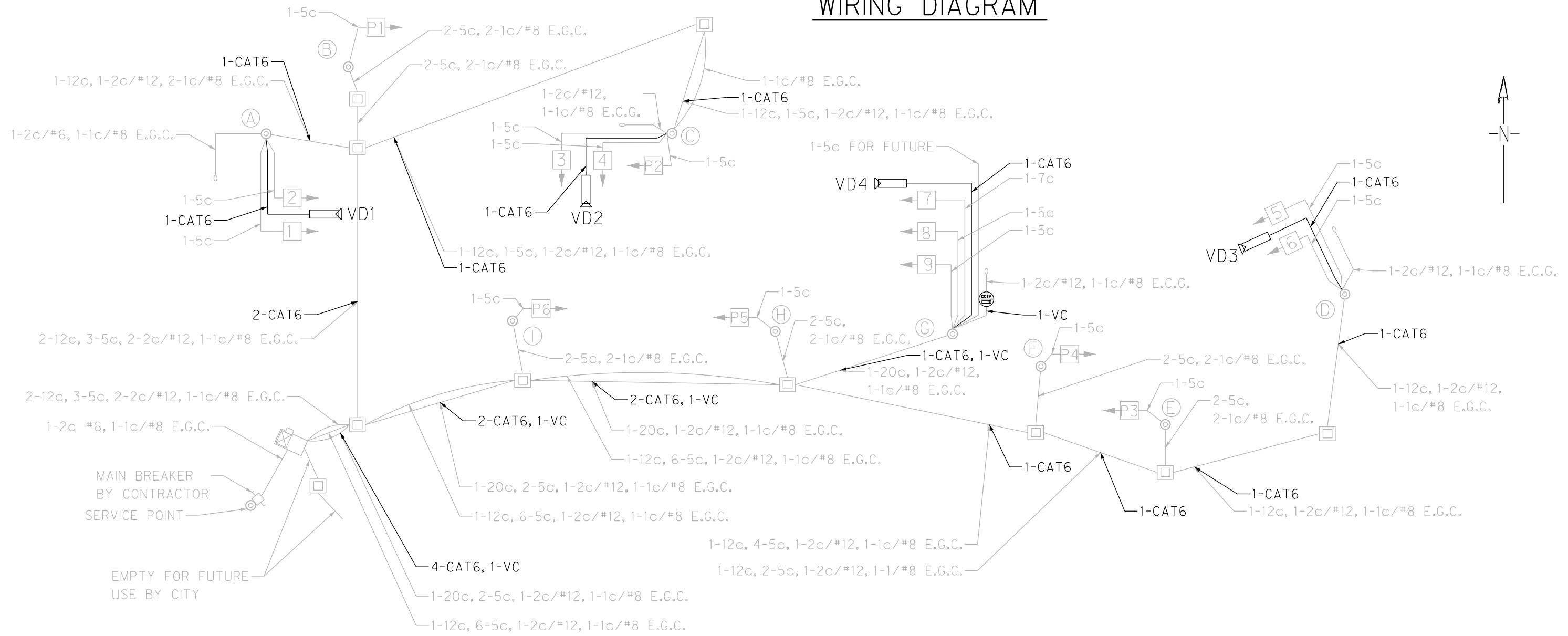
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	42	65
SIGNALIZATION PLAN SHEET						



083593 6/22/2021
34372.001 BDR.DGN
T34372.SIG08.MAP.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	43	65
SIGNALIZATION PLAN SHEET						

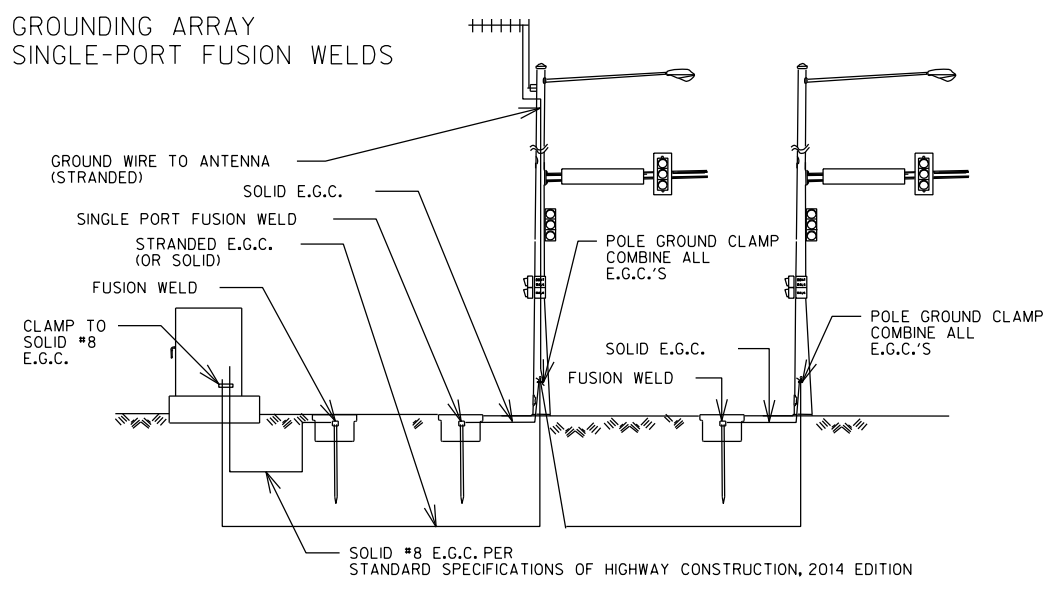
WIRING DIAGRAM



MAIN BREAKER
BY CONTRACTOR
SERVICE POINT

EMPTY FOR FUTURE
USE BY CITY

GROUNDING ARRAY SINGLE-PORT FUSION WELDS



LEGEND

- Existing Conduit
- ↙ 1-5c Existing Wiring
- Proposed Conduit
- ↙ 1-5c Proposed Wiring

CONTRACTOR TO REMOVE EXISTING VIDEO CABLE

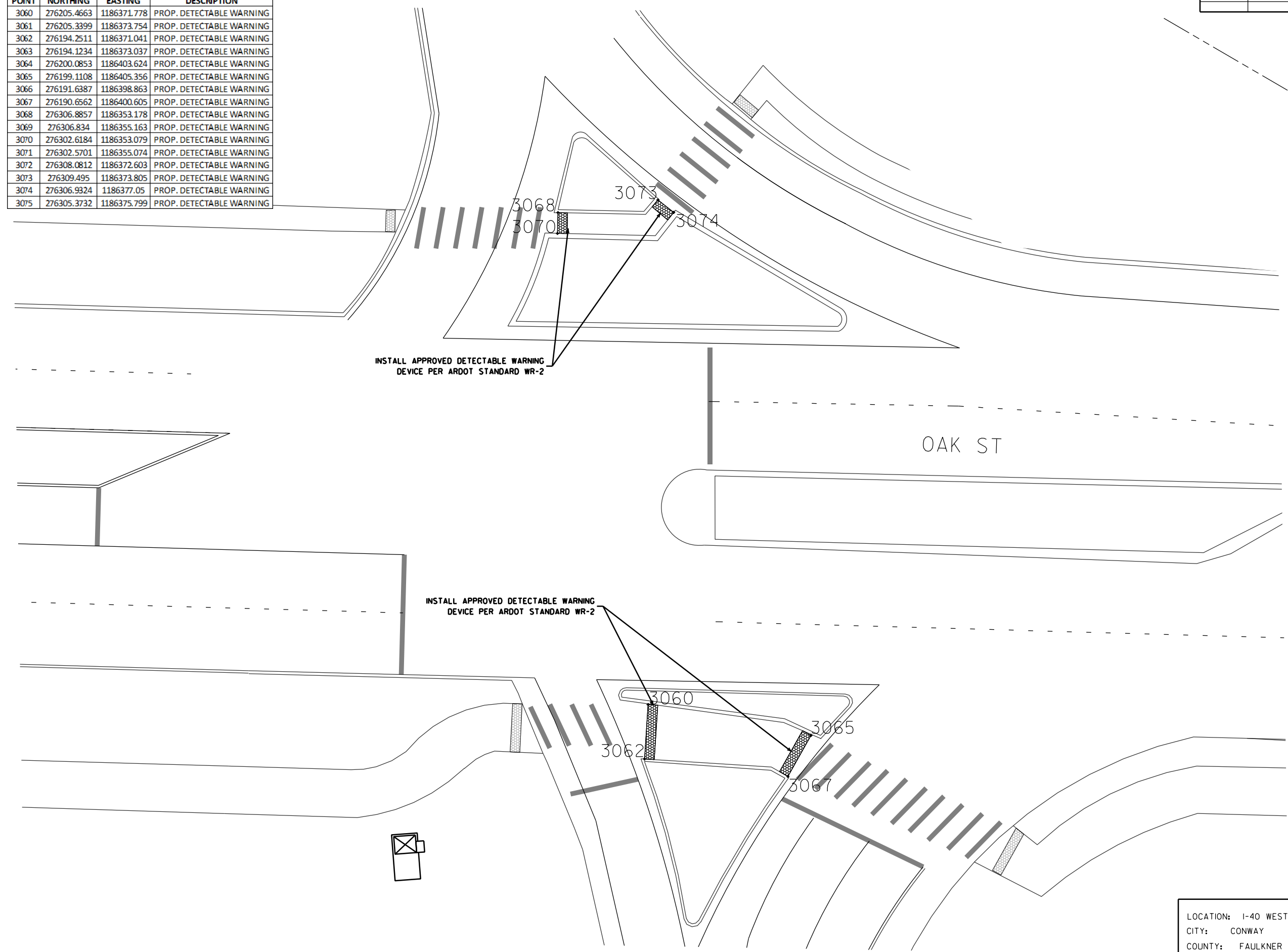
LOCATION: I-40 WEST BOUND
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG08.WIRE.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	44	65
SIGNALIZATION PLAN SHEET						

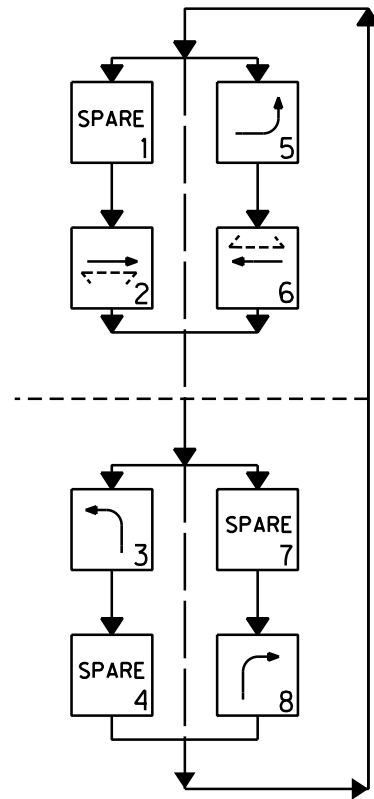
POINT	NORTHING	EASTING	DESCRIPTION
3060	276205.4663	1186371.778	PROP. DETECTABLE WARNING
3061	276205.3399	1186373.754	PROP. DETECTABLE WARNING
3062	276194.2511	1186371.041	PROP. DETECTABLE WARNING
3063	276194.1234	1186373.037	PROP. DETECTABLE WARNING
3064	276200.0853	1186403.624	PROP. DETECTABLE WARNING
3065	276199.1108	1186405.356	PROP. DETECTABLE WARNING
3066	276191.6387	1186398.863	PROP. DETECTABLE WARNING
3067	276190.6562	1186400.605	PROP. DETECTABLE WARNING
3068	276306.8857	1186353.178	PROP. DETECTABLE WARNING
3069	276306.834	1186355.163	PROP. DETECTABLE WARNING
3070	276302.6184	1186353.079	PROP. DETECTABLE WARNING
3071	276302.5701	1186355.074	PROP. DETECTABLE WARNING
3072	276308.0812	1186372.603	PROP. DETECTABLE WARNING
3073	276309.495	1186373.805	PROP. DETECTABLE WARNING
3074	276306.9324	1186377.05	PROP. DETECTABLE WARNING
3075	276305.3732	1186375.799	PROP. DETECTABLE WARNING



LOCATION: I-40 WEST BOUND
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG08.ADA.DGN

PHASING DIAGRAM



DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	45	65
SIGNALIZATION PLAN SHEET						

DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	MASTER SYSTEM DETECTOR NUMBERS		
							PHS	SYSTEM DET. #		
Vz 21 A&B	EB NEAR	LOCAL				V2	2		VECTOR V4	23"
z24	EB FAR	COMB.				24			VECTOR V4	23"
z25	EB FAR	COMB.				25			VECTOR V4	23"
Vz 31	NB LEFT NEAR	LOCAL				V3	3		VECTOR V2	23"
z20	NB LEFT FAR	LOCAL				20			VECTOR V2	23"
Vz 51	EB LEFT NEAR	LOCAL				V5	5		VECTOR V4	23"
z23	NB LEFT FAR	LOCAL				23			VECTOR V4	23"
Vz 61 A&B	WB NEAR	LOCAL				V6	6		CAMERA V1	23"
z21	WB FAR	COMB.				21			CAMERA V1	23"
z22	WB FAR	COMB.				22			CAMERA V1	23"
Vz 81 A&B	NB NEAR	LOCAL				V8	8		VECTOR V3	23"
z18	NB FAR	COMB.				18			VECTOR V2	23"
z19	NB FAR	COMB.				19			VECTOR V2	23"
z17	NB CONGESTION	SYS.				17			VECTOR V2	23"
P2		PED.				P2	2			
P6		PED.				P6	6			

CONTROLLER INPUT ABBREVIATIONS:

V = VEHICLE INPUT

D = SYSTEM OR AUXILIARY INPUT

P = PEDESTRIAN INPUT

NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)

TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE

NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.

EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2

CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERSECTION NOTES

1. CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.

2. CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING SOUTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.

3. CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

4. INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

INTERVAL CHART

SIGNAL FACES	2+5	CLR	2+6	CLR	3+8	CLR	FLASH SEQ
1	R	R	G	Y	R	R	R
2	R	R	G	Y	R	R	R
3	←R	←R	←R	←R	←G	←Y	←R
4	←R	←R	←R	←R	←G	←Y	←R
5	R	R	R	R	G	Y	R
6	R	R	R	R	G	Y	R
7	←G	←Y	←FY	←Y	←R	←R	←R
8	G	**	G	**	R	R	R
9	G	**	G	**	R	R	R
P1	DW	DW	W	FDW	DW	DW	B
P2	DW	DW	W	FDW	DW	DW	B
P3	DW	DW	W	FDW	DW	DW	B
P4	DW	DW	W	FDW	DW	DW	B
P5	DW	DW	W	FDW	DW	DW	B
P6	DW	DW	W	FDW	DW	DW	B

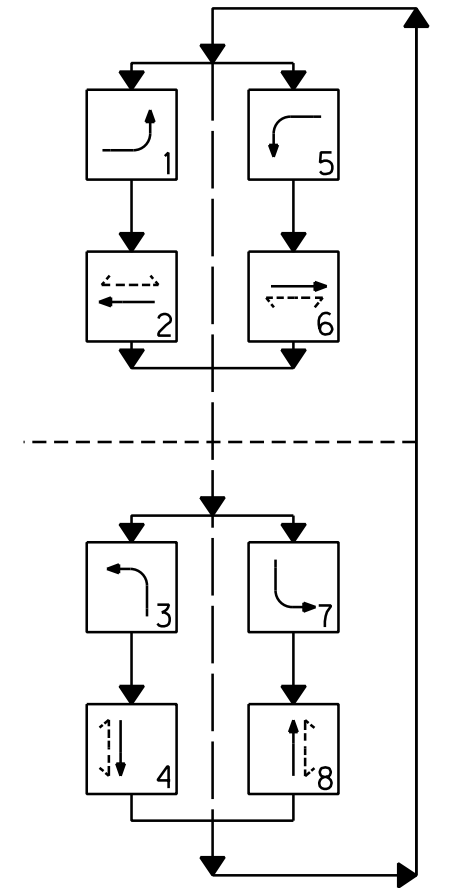
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE

LOCATION: I-40 WEST BOUND
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

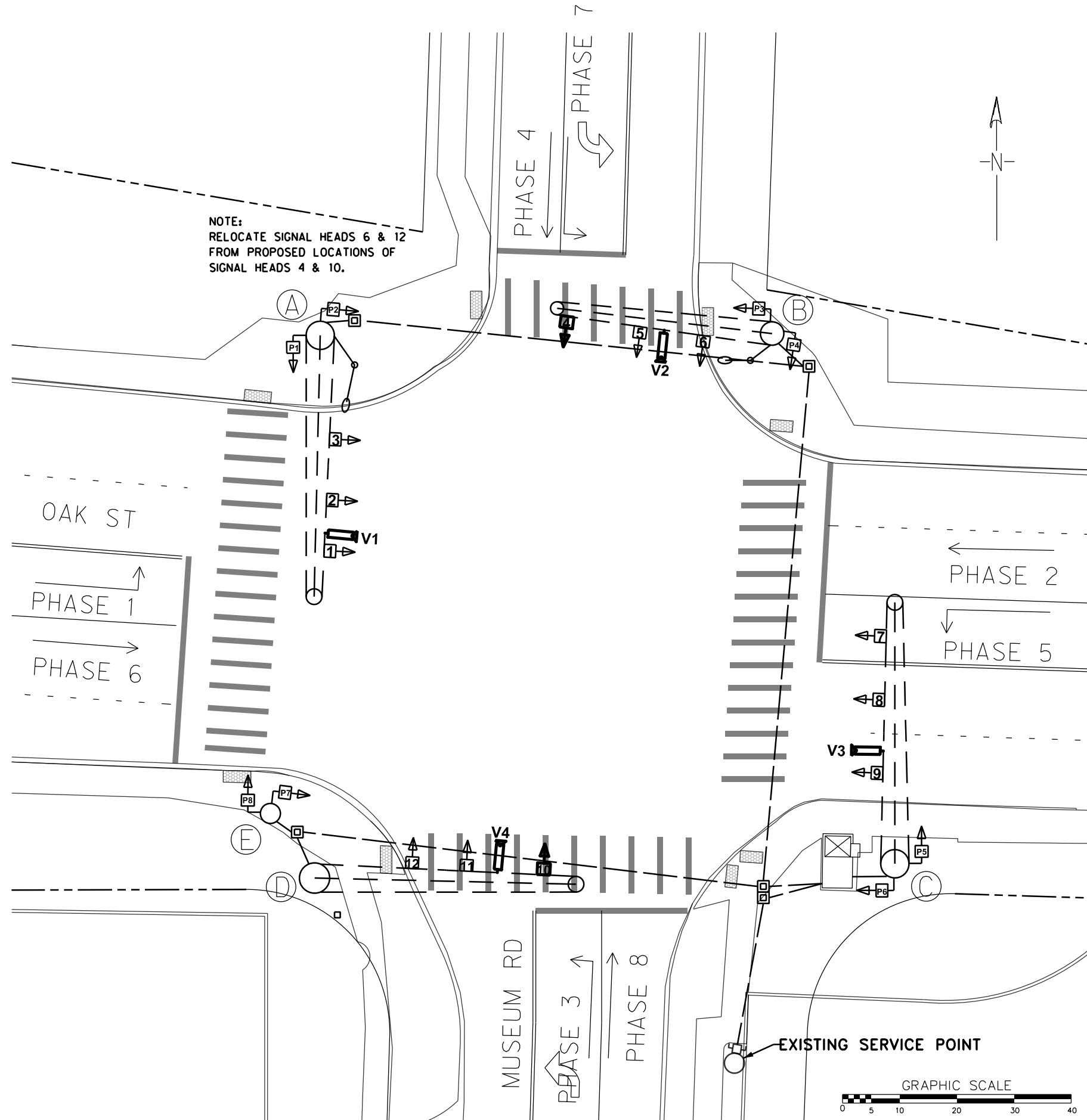
PHASING DIAGRAM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	46	65
SIGNALIZATION PLAN SHEET						

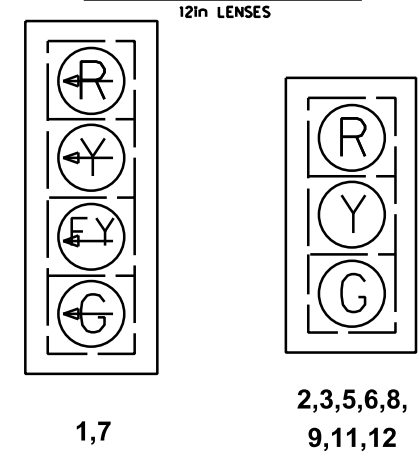


LEGEND

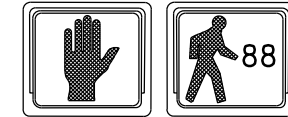
- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



EXISTING SIGNAL HEADS



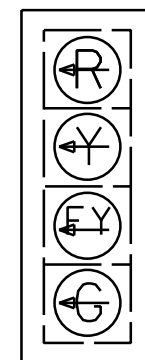
One Section (Solid Symbol)



P1,P2,P3,P4,
P5,P6,P7,P8

PROPOSED SIGNAL HEADS

12in LENSES



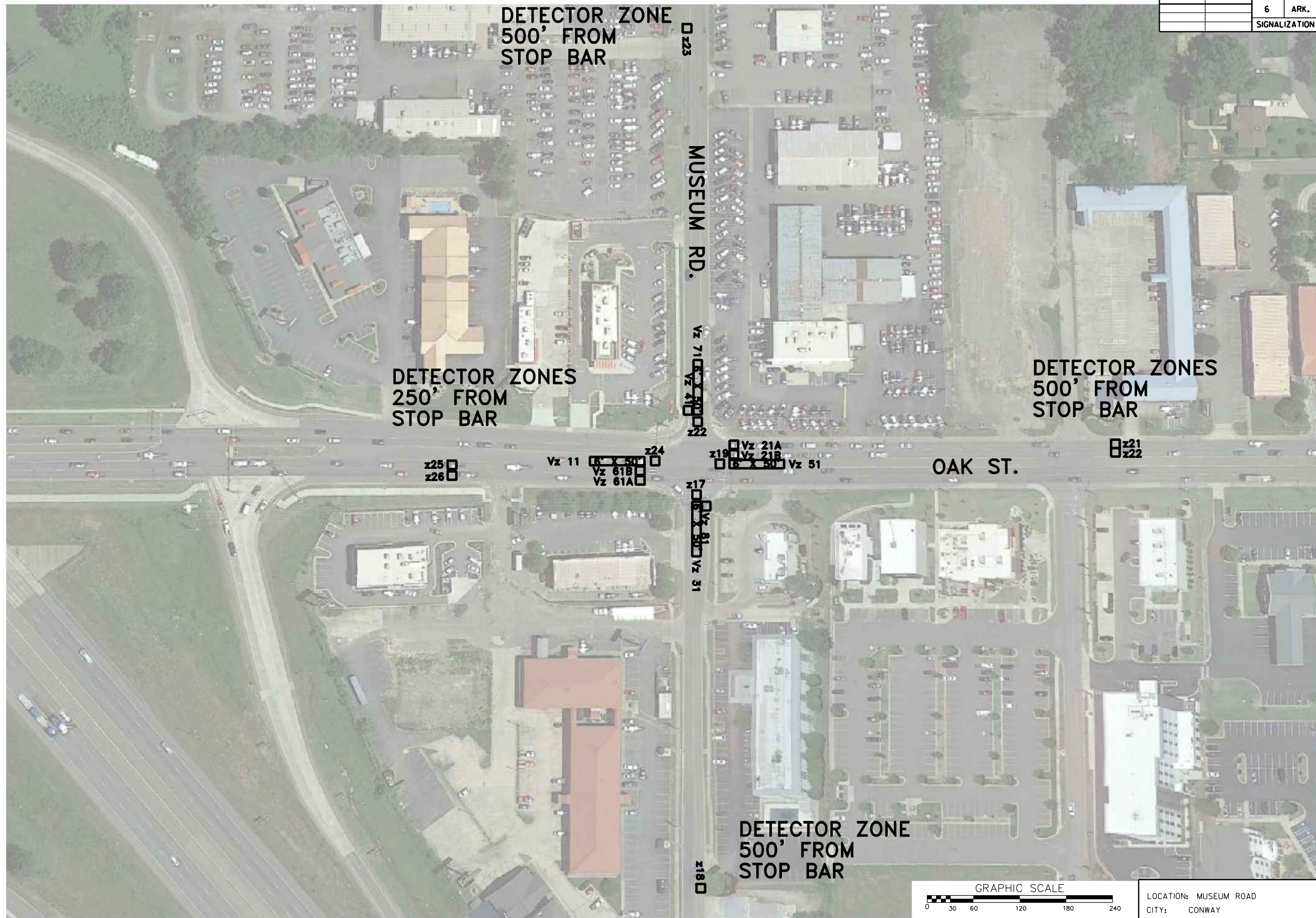
4,10

- NOTES:
- ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR 'RETROREFLECTIVE BACKPLATES' FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 - ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 - ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.

LOCATION: MUSEUM ROAD
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

DATE REVISION	DATE REVISION	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	47	65
SIGNALIZATION PLAN SHEET						

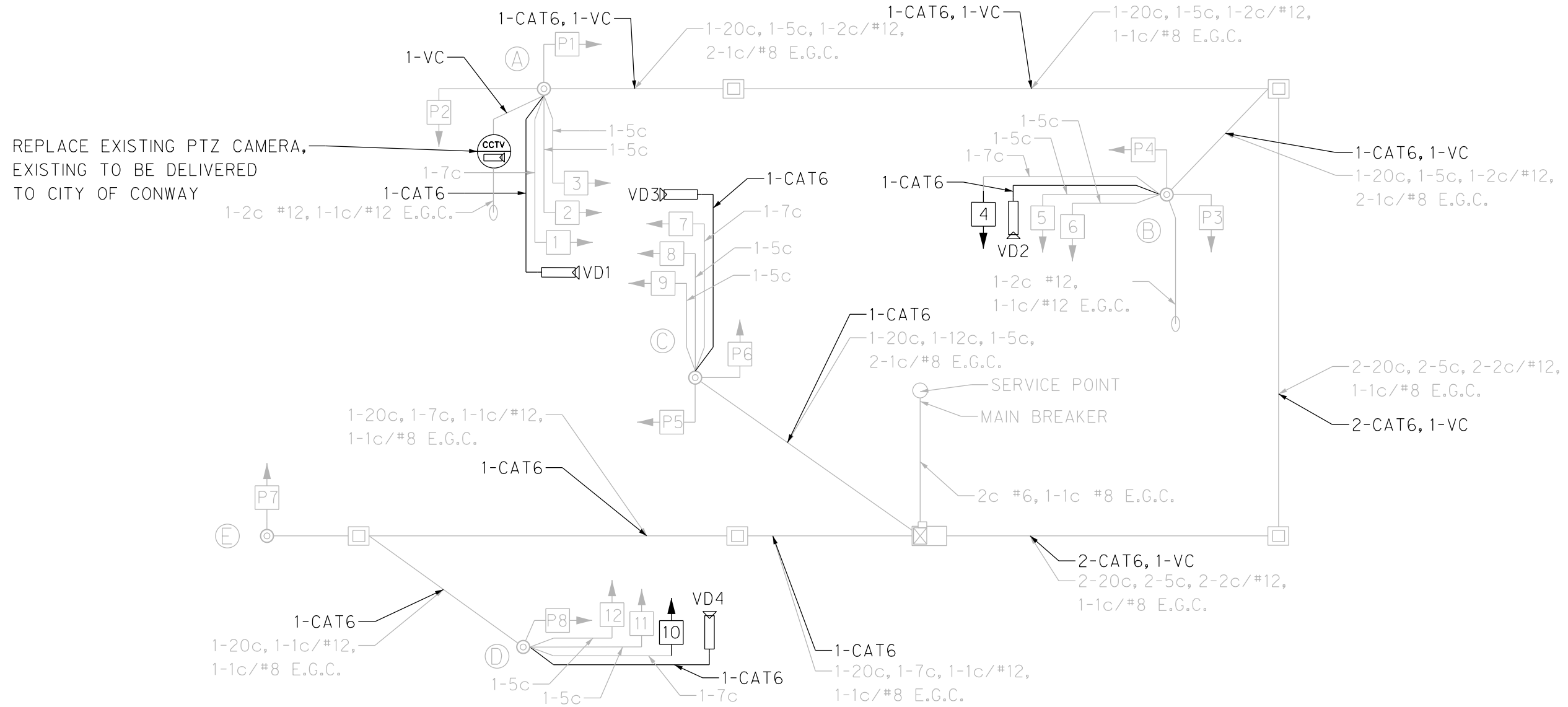
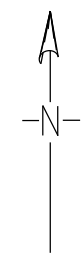


LOCATION: MUSEUM ROAD
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

08/3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG09.MAP.DGN

WIRING DIAGRAM



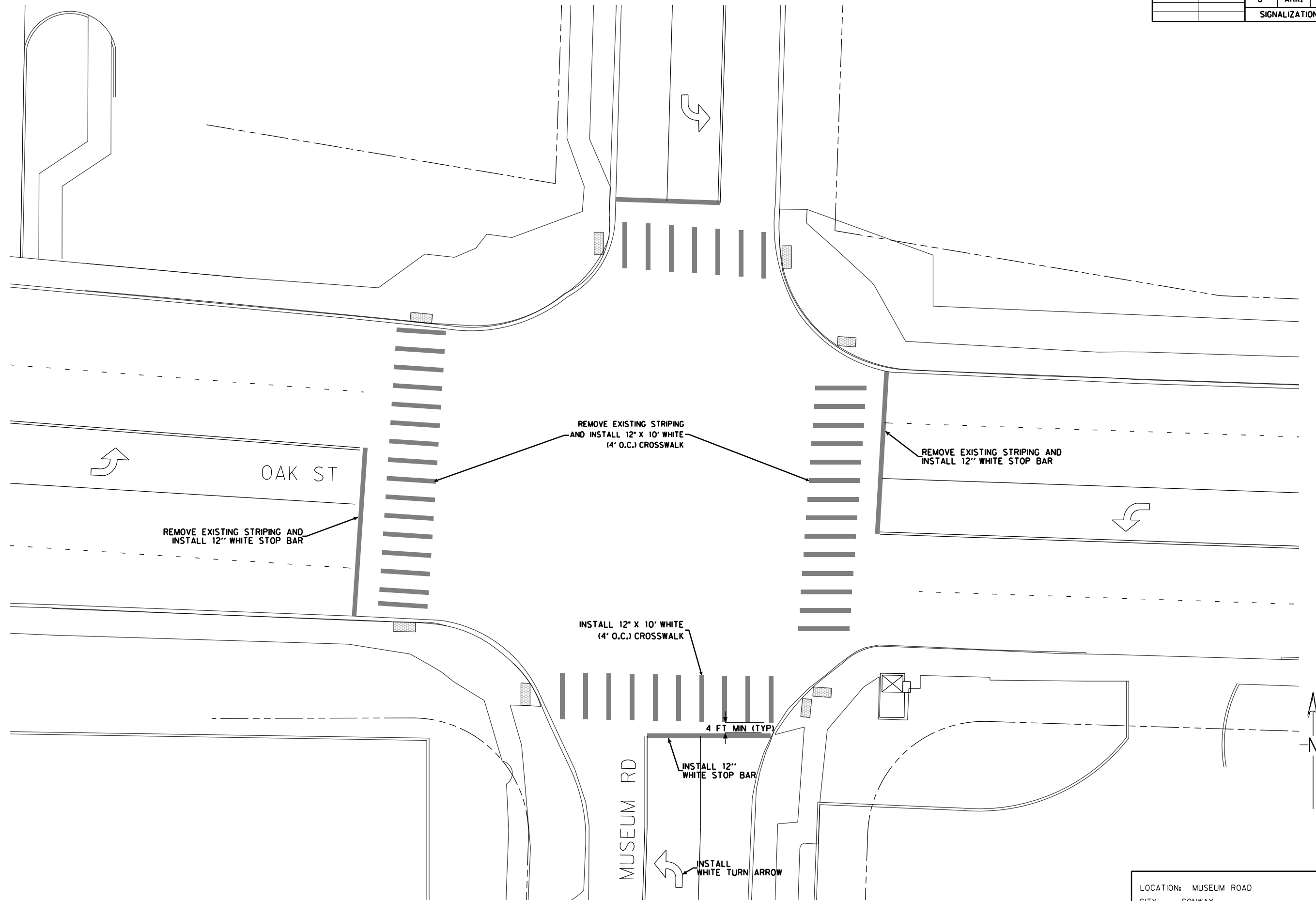
LEGEND

- Existing Conduit
- 1-5c Existing Wiring
- Proposed Conduit
- 1-5c Proposed Wiring

LOCATION: MUSEUM ROAD
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	49	65
SIGNALIZATION PLAN SHEET						



REMOVE EXISTING STRIPING AND
INSTALL 12" WHITE STOP BAR

REMOVE EXISTING STRIPING
AND INSTALL 12" X 10' WHITE
(4' O.C.) CROSSWALK

REMOVE EXISTING STRIPING AND
INSTALL 12" WHITE STOP BAR

INSTALL 12" X 10' WHITE
(4' O.C.) CROSSWALK

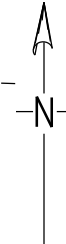
4 FT MIN (TYP)

INSTALL 12" WHITE STOP BAR

INSTALL WHITE TURN ARROW

OAK ST

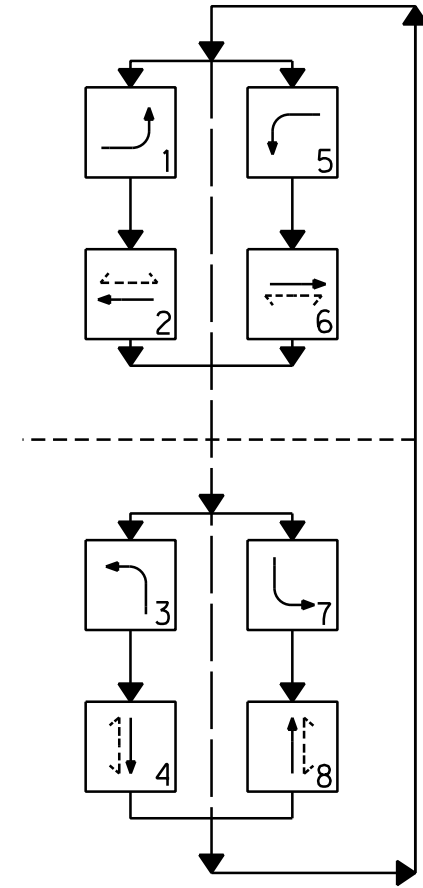
MUSEUM RD



LOCATION: MUSEUM ROAD
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08
DRAWN BY: HALFF

dh3593 6/22/2021
34372.001 BDR.DGN
T34372.SIG09.ADA.DGN

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS	
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL				MASTER SYSTEM DETECTOR NUMBERS
							PHS	SYSTEM DET. #			
Vz 11	EB LEFT NEAR	LOCAL				V1	1		VECTOR V3	23"	
z24	EB LEFT NEAR	LOCAL				24			VECTOR V3	23"	
Vz 21 A&B	WB NEAR	LOCAL				V2	2		VECTOR V1	23"	
z20	WB FAR	COMB.				20			VECTOR V1	23"	
z21	WB FAR	COMB.				21			VECTOR V1	23"	
Vz 31	NB LEFT NEAR	LOCAL				V3	3		VECTOR V2	23"	
z17	NB LEFT NEAR	LOCAL				17			VECTOR V2	23"	
Vz 41	SB NEAR	LOCAL				V4	4		VECTOR V4	23"	
z23	SB FAR	COMB.				23			VECTOR V4	23"	
Vz 51	WB LEFT NEAR	LOCAL				V5	5		VECTOR V1	23"	
z19	WB LEFT NEAR	LOCAL				19			VECTOR V1	23"	
Vz 61 A&B	EB NEAR	LOCAL				V6	6		VECTOR V3	23"	
z25	EB FAR	COMB.				25			VECTOR V3	23"	
z26	EB FAR	COMB.				26			VECTOR V3	23"	
Vz 71	SB LEFT NEAR	LOCAL				V7	7		VECTOR V4	23"	
z22	SB LEFT NEAR	LOCAL				22			VECTOR V4	23"	
Vz 81	NB NEAR	LOCAL				V8	8		VECTOR V2	23"	
z18	NB FAR	COMB.				18			VECTOR V2	23"	
P2		PED.				P2	2				
P4		PED.				P4	4				
P6		PED.				P6	6				
P8		PED.				P8	8				

CONTROLLER INPUT ABBREVIATIONS:

V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.

INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

INTERVAL CHART

SIGNAL FACES	1+5	CLR	1+6	CLR	2+5	CLR	2+6	CLR	3+7	CLR	3+8	CLR	4+7	CLR	4+8	CLR	FLASH SEQ
1	←G	*	←FY	***	←G	*	←FY	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
2,3	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
4	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←G	***	←FY	***	←FY	***	←R
5,6	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	R	R
7	←G	*	←G	*	←FY	***	←FY	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
8,9	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
10	←R	←R	←R	←R	←R	←R	←R	←R	←G	***	←FY	***	←G	***	←FY	***	←R
11,12	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	R	R
P1	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	B
P2	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P3	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P4	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	FDW	W	FDW	B
P5	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	FDW	W	FDW	B
P6	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P7	DW	DW	W	1	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	B
P8	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	B

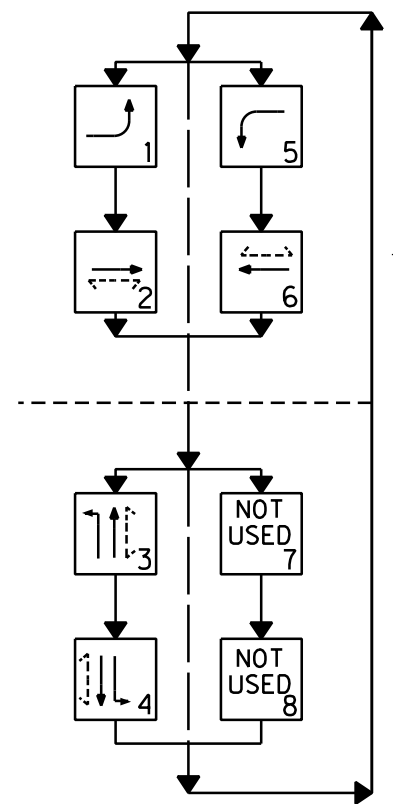
* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
*** DENOTES FLASHING YELLOW ARROW OR YELLOW ARROW DEPENDING ON NEXT PHASE

LOCATION: MUSEUM ROAD
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

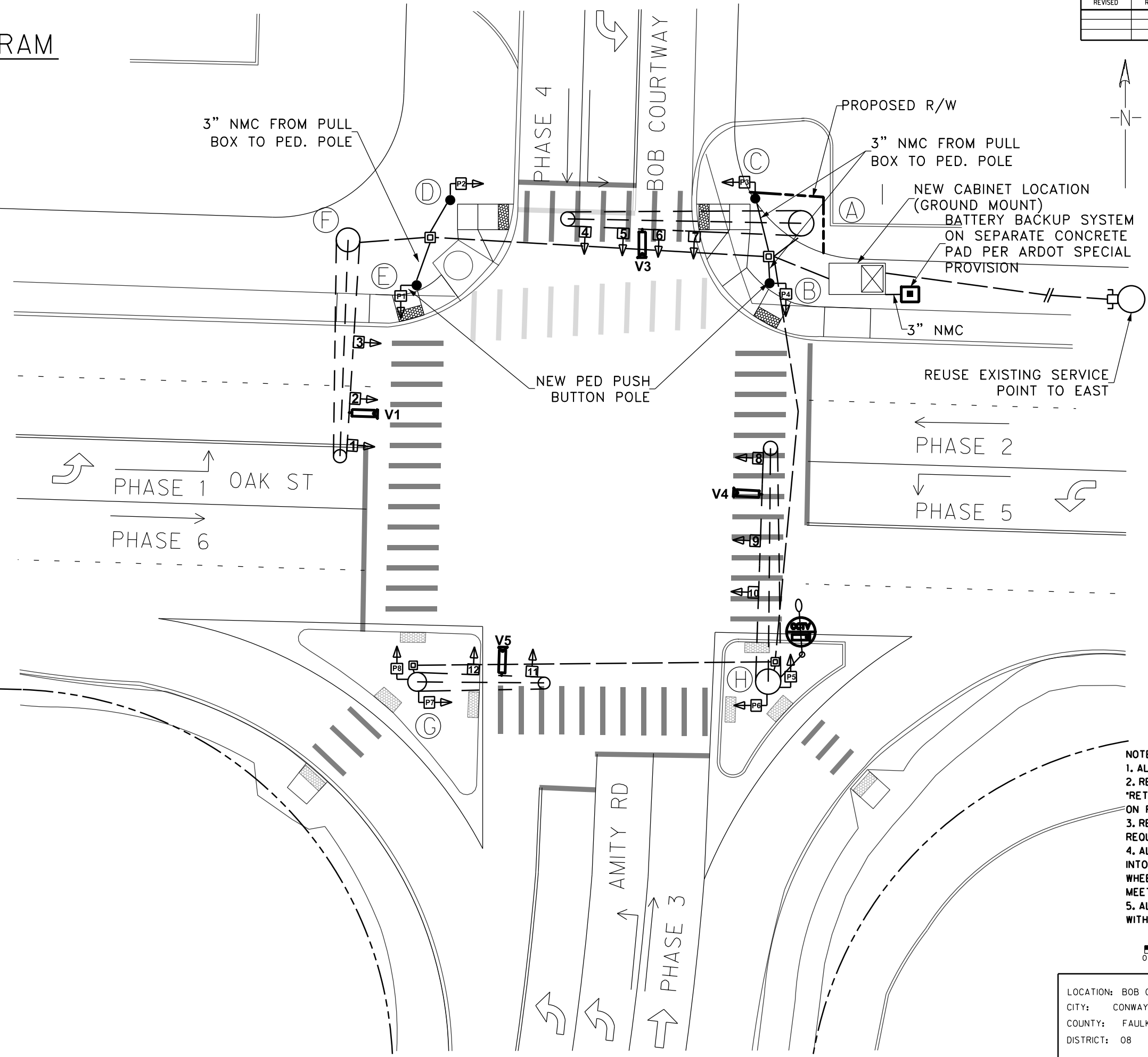
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	51	65
SIGNALIZATION PLAN SHEET						

PHASING DIAGRAM

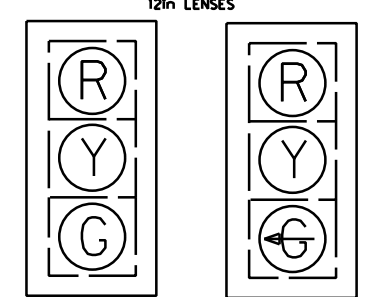


LEGEND

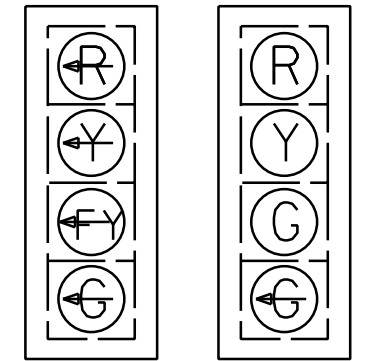
- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



EXISTING SIGNAL HEADS

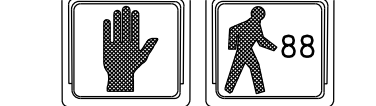


2,3,6,7
9,10,12



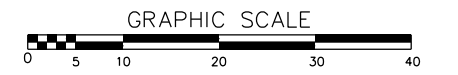
1,8 11

One Section (Solid Symbol)



**P1,P2,P3,P4,
P5,P6,P7,P8**

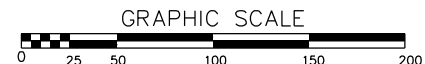
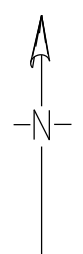
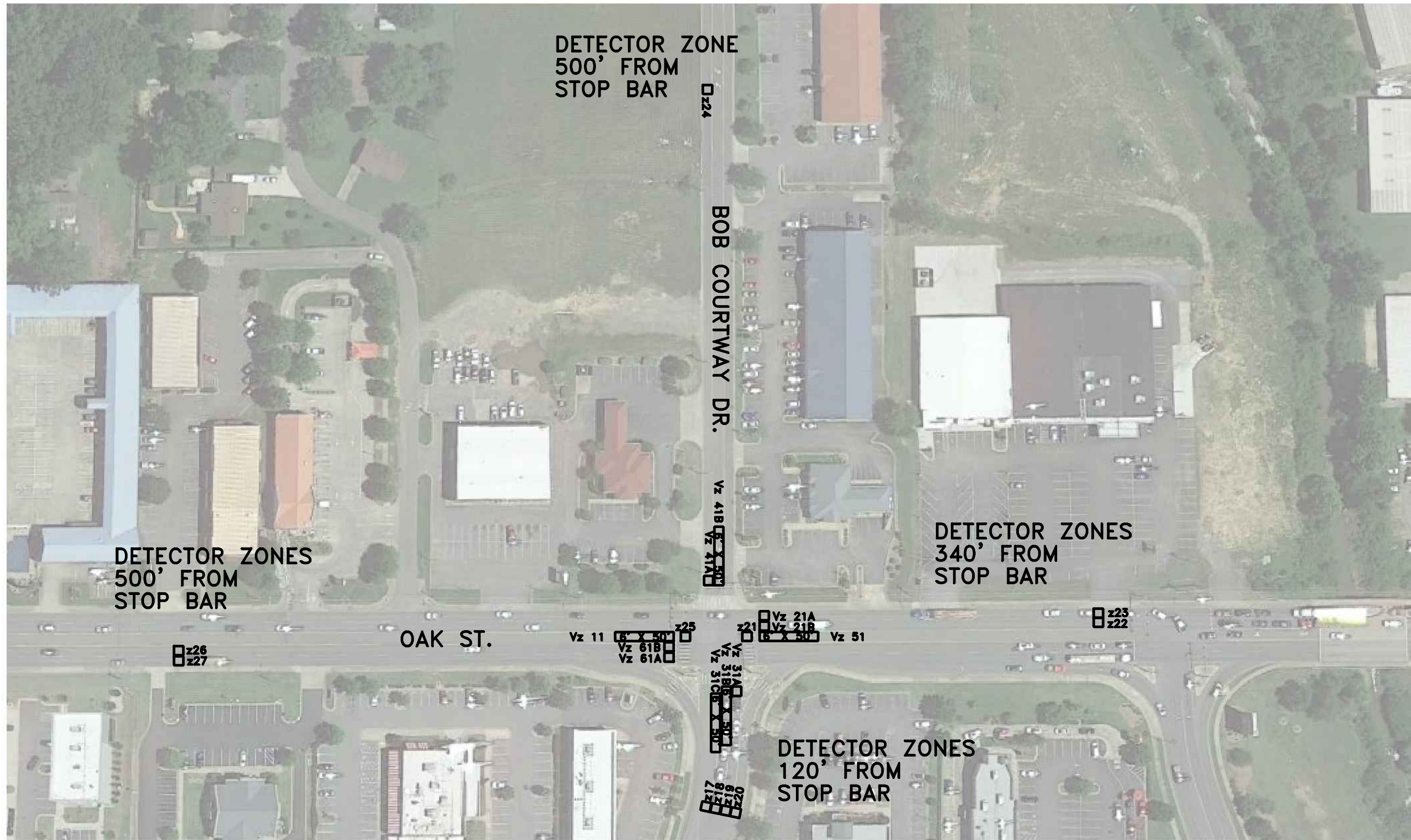
- NOTES:**
- ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 - ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 - ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



LOCATION: BOB COURTWAY DRIVE
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

ah3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG10_40.DGN

DATE REVISION	DATE REVISION	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	52	65
SIGNALIZATION PLAN SHEET						



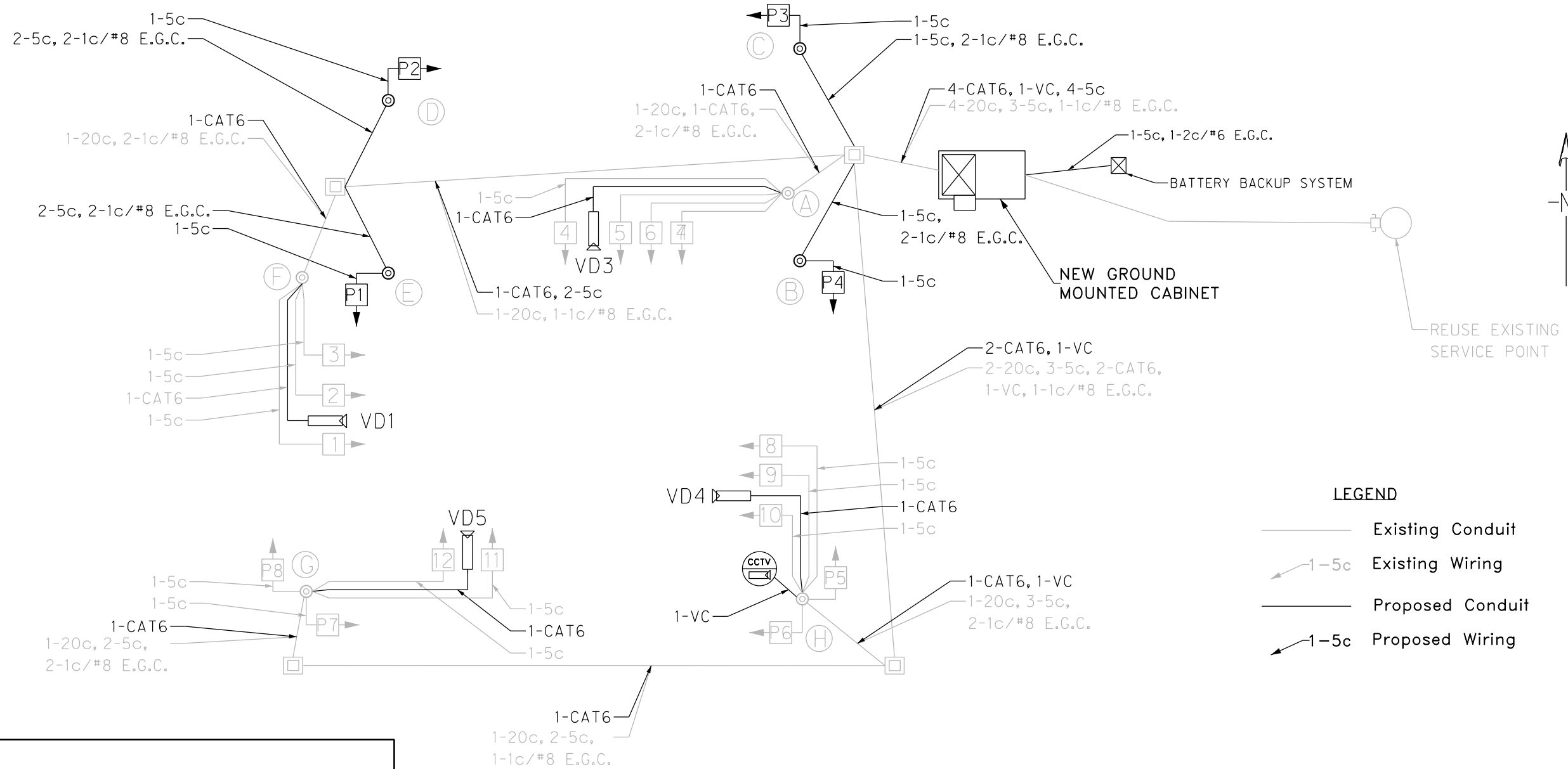
LOCATION: BOB COURTWAY DRIVE
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIGIO.MAP.DGN

WIRING DIAGRAM

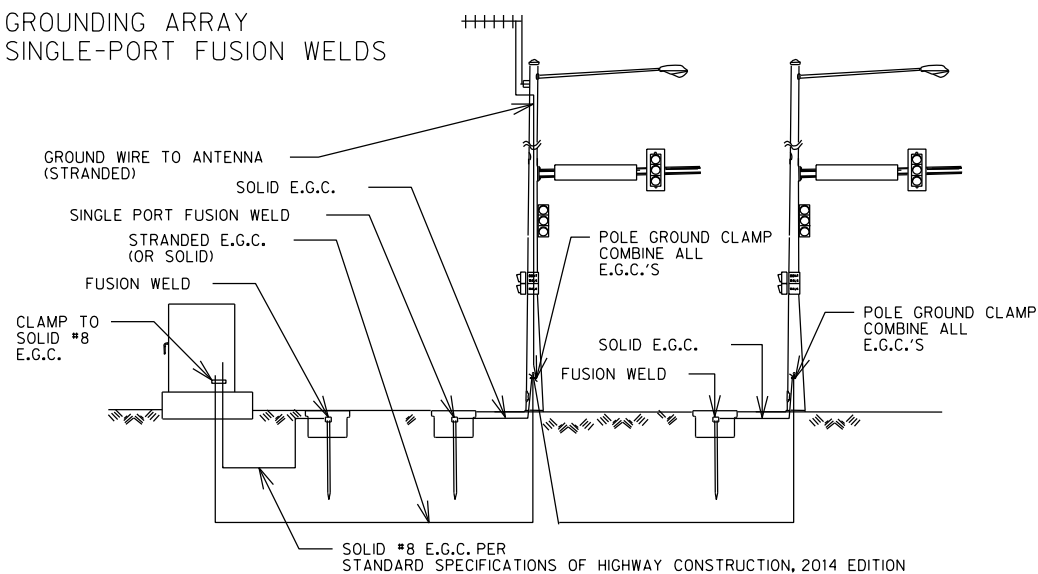
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	53	65
SIGNALIZATION PLAN SHEET						



LEGEND

- Existing Conduit
- Existing Wiring
- Proposed Conduit
- Proposed Wiring

GROUNDING ARRAY SINGLE-PORT FUSION WELDS

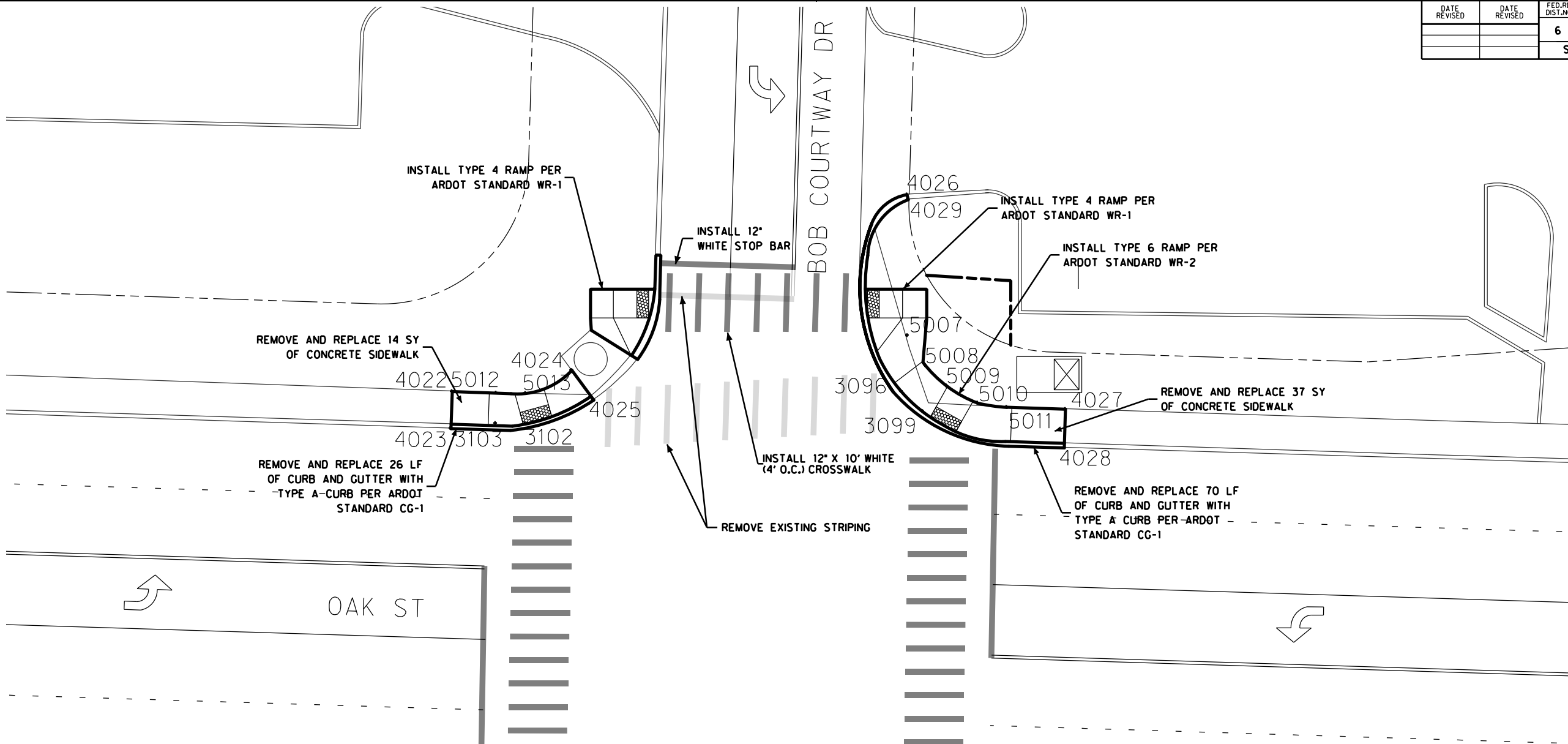


NOTES TO CONTRACTOR:

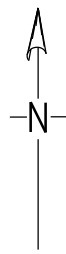
1. ONE SEPARATE 1-5c IS RUN TO EACH POLE FOR THE PEDESTRIAN PUSH BUTTON.
2. ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA OF CABINET.
3. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.

LOCATION: BOB COURTWAY DRIVE
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF



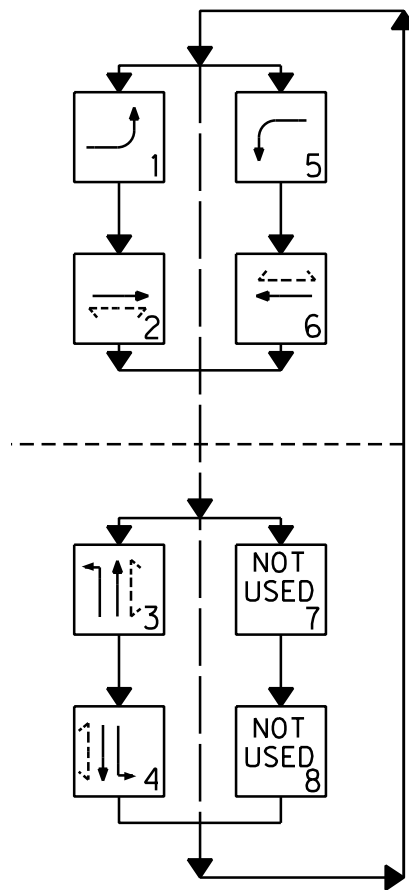
POINT	NORTHING	EASTING	DESCRIPTION
3096	276206.3332	1188305.057	PROP. DETECTABLE WARNING
3097	276207.777	1188306.42	PROP. DETECTABLE WARNING
3098	276204.374	1188310.062	PROP. DETECTABLE WARNING
3099	276202.9235	1188308.704	PROP. DETECTABLE WARNING
3100	276202.8711	1188235.958	PROP. DETECTABLE WARNING
3101	276202.7797	1188240.957	PROP. DETECTABLE WARNING
3102	276200.78	1188240.92	PROP. DETECTABLE WARNING
3103	276200.8721	1188235.921	PROP. DETECTABLE WARNING
4022	276206.2983	1188228.514	DEMOLITION LIMITS
4023	276200.0201	1188228.304	DEMOLITION LIMITS
4024	276209.9174	1188248.88	DEMOLITION LIMITS
4025	276204.8477	1188252.587	DEMOLITION LIMITS
4026	276239.8282	1188306.011	DEMOLITION LIMITS
4027	276203.2764	1188333.013	DEMOLITION LIMITS
4028	276196.733	1188332.817	DEMOLITION LIMITS
4029	276239.0214	1188306.211	DEMOLITION LIMITS
5007	276215.8367	1188306.102	PROP. RAMP LIMITS
5008	276210.7479	1188309.16	PROP. RAMP LIMITS
5009	276207.2735	1188312.757	PROP. RAMP LIMITS
5010	276204.3486	1188318.066	PROP. RAMP LIMITS
5011	276203.6463	1188323.022	PROP. RAMP LIMITS
5012	276206.0574	1188236.016	PROP. RAMP LIMITS
5013	276206.0017	1188241.016	PROP. RAMP LIMITS



LOCATION: BOB COURTWAY DRIVE
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

08/3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIC0.ADA.DGN

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	MASTER SYSTEM DETECTOR NUMBERS		
Vz 11	EB LEFT NEAR	LOCAL				V1	1		VECTOR V4	23"
25	EB LEFT NEAR	LOCAL				25			VECTOR V4	23"
Vz 21 A&B	WB NEAR	LOCAL				V2	2		VECTOR V1	23"
Z22	WB FAR	COMB.				22			VECTOR V1	23"
Z23	WB FAR	COMB.				23			VECTOR V1	23"
Vz 31A	NB NEAR	LOCAL				V3	3		VECTOR V3	23"
Vz 31B&C	NB LEFT NEAR	LOCAL				V3	3		VECTOR V3	23"
Z17	NB TURN REMOVA	LOCAL				17			VECTOR V3	23"
Z18	NB TURN REMOVA	LOCAL				18			VECTOR V3	23"
Z19	NB TURN REMOVA	LOCAL				19			VECTOR V3	23"
Z20	NB TURN REMOVA	LOCAL				20			VECTOR V3	23"
Vz 41	SB NEAR	LOCAL				V4	4		VECTOR V5	23"
Z24	SB FAR	COMB				V12			VECTOR V5	23"
Vz 51	WB LEFT NEAR	LOCAL				V5	5		VECTOR V1	23"
Z21	WB LEFT NEAR	LOCAL				21			VECTOR V1	23"
Vz 61 A&B	EB NEAR	LOCAL				V6	6		VECTOR V4	23"
Z26	EB FAR	COMB.				26			VECTOR V4	23"
Z27	EB FAR	COMB.				27			VECTOR V4	23"
P2		PED.				P2	2			
P3		PED.				P3	3			
P4		PED.				P4	4			
P6		PED.				P6	6			

CONTROLLER INPUT ABBREVIATIONS:
V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERVAL CHART

SIGNAL FACES	1+5	CLR	1+6	CLR	2+5	CLR	2+6	CLR	3	CLR	4	CLR	FLASH SEQ
1	←G	*	←FY	***	←G	*	←FY	***	←R	←R	←R	←R	←R
2	R	R	R	R	G	**	G	**	R	R	R	R	R
3	R	R	R	R	G	**	G	**	R	R	R	R	R
4	R	R	R	R	R	R	R	R	←G	Y	R	R	R
5	R	R	R	R	R	R	R	R	←G	Y	R	R	R
6	R	R	R	R	R	R	R	R	G	Y	R	R	R
7	R	R	R	R	R	R	R	R	G	Y	R	R	R
8	←G	*	←G	*	←FY	***	←FY	***	←R	←R	←R	←R	←R
9	R	R	G	**	R	R	G	**	R	R	R	R	R
10	R	R	G	**	R	R	G	**	R	R	R	R	R
11	R	R	R	R	R	R	R	R	R	R	G/ ←G	Y	R
12	R	R	R	R	R	R	R	R	R	R	G	Y	R
P1	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	B
P2	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	B
P3	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	B
P4	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	B
P5	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	B
P6	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	B
P7	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	B
P8	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	B

* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
*** DENOTES FLASHING YELLOW ARROW OR YELLOW ARROW DEPENDING ON NEXT PHASE

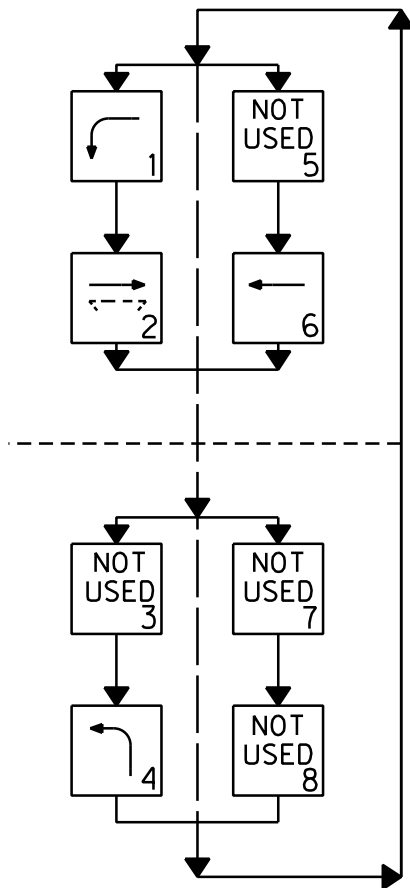
INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING SOUTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

LOCATION: BOB COURTWAY DRIVE
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08
DRAWN BY: HALFF

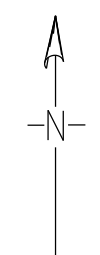
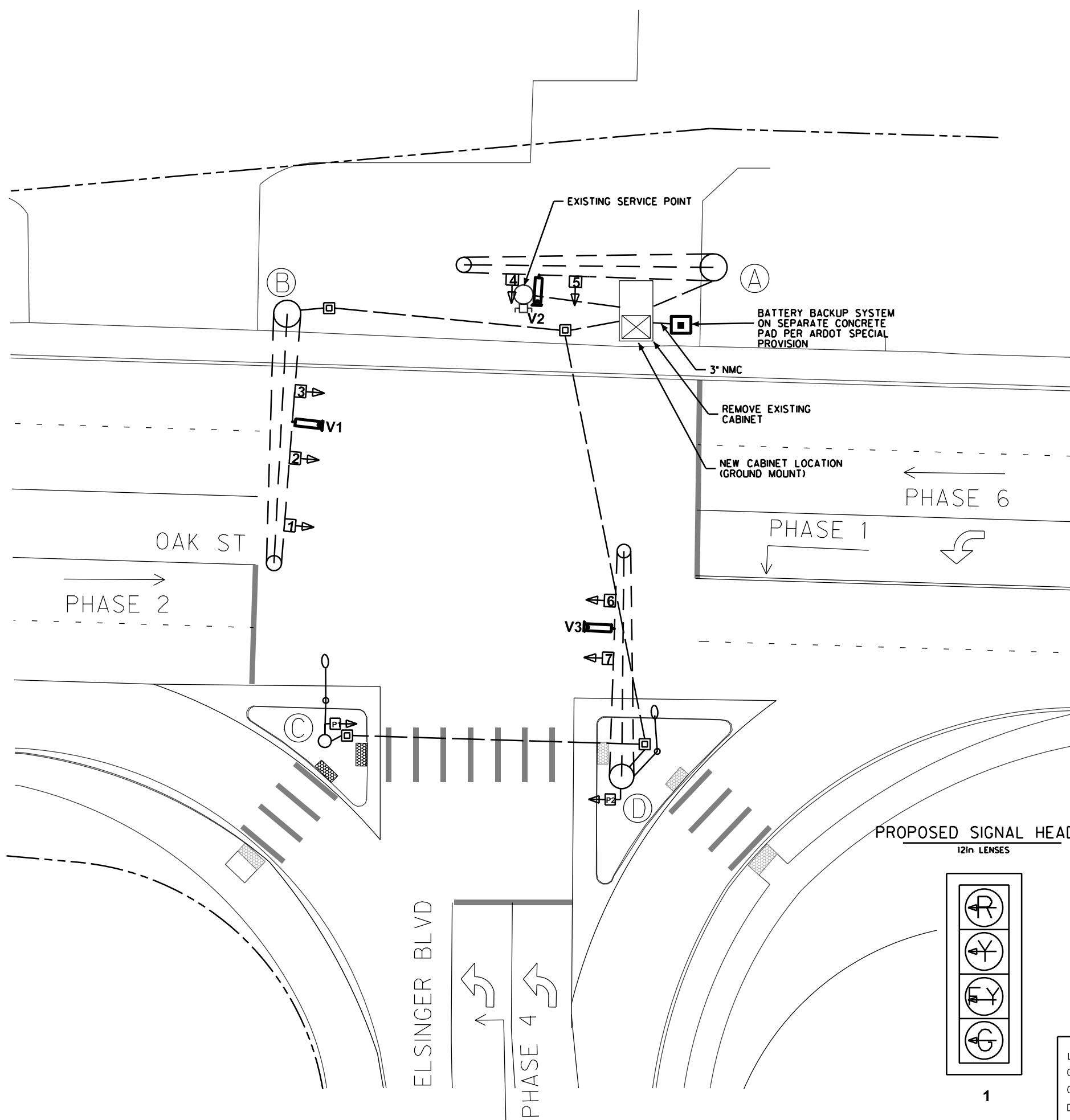
PHASING DIAGRAM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	56	65
SIGNALIZATION PLAN SHEET						



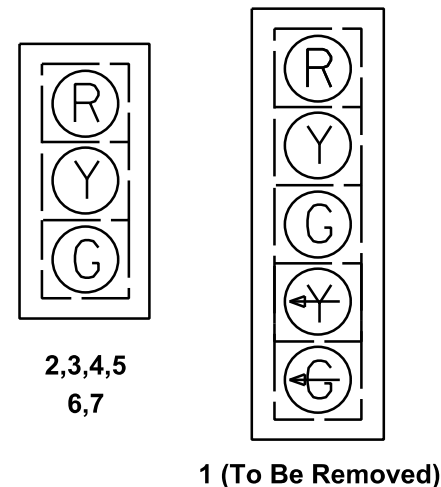
LEGEND

- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)



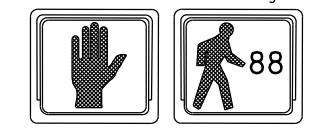
EXISTING SIGNAL HEADS

12in LENSES



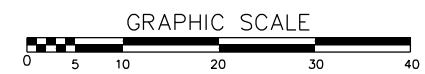
2,3,4,5
6,7

One Section (Solid Symbol)



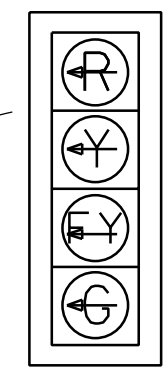
P1,P2

- NOTES:**
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 2. REFER TO SPECIAL PROVISIONS FOR 'RETROREFLECTIVE BACKPLATES' FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 4. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 5. ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



PROPOSED SIGNAL HEADS

12in LENSES

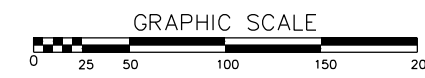
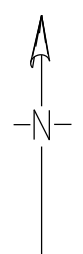


1

LOCATION: ELSINGER BOULEVARD
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SG11.40.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	57	65
SIGNALIZATION PLAN SHEET						



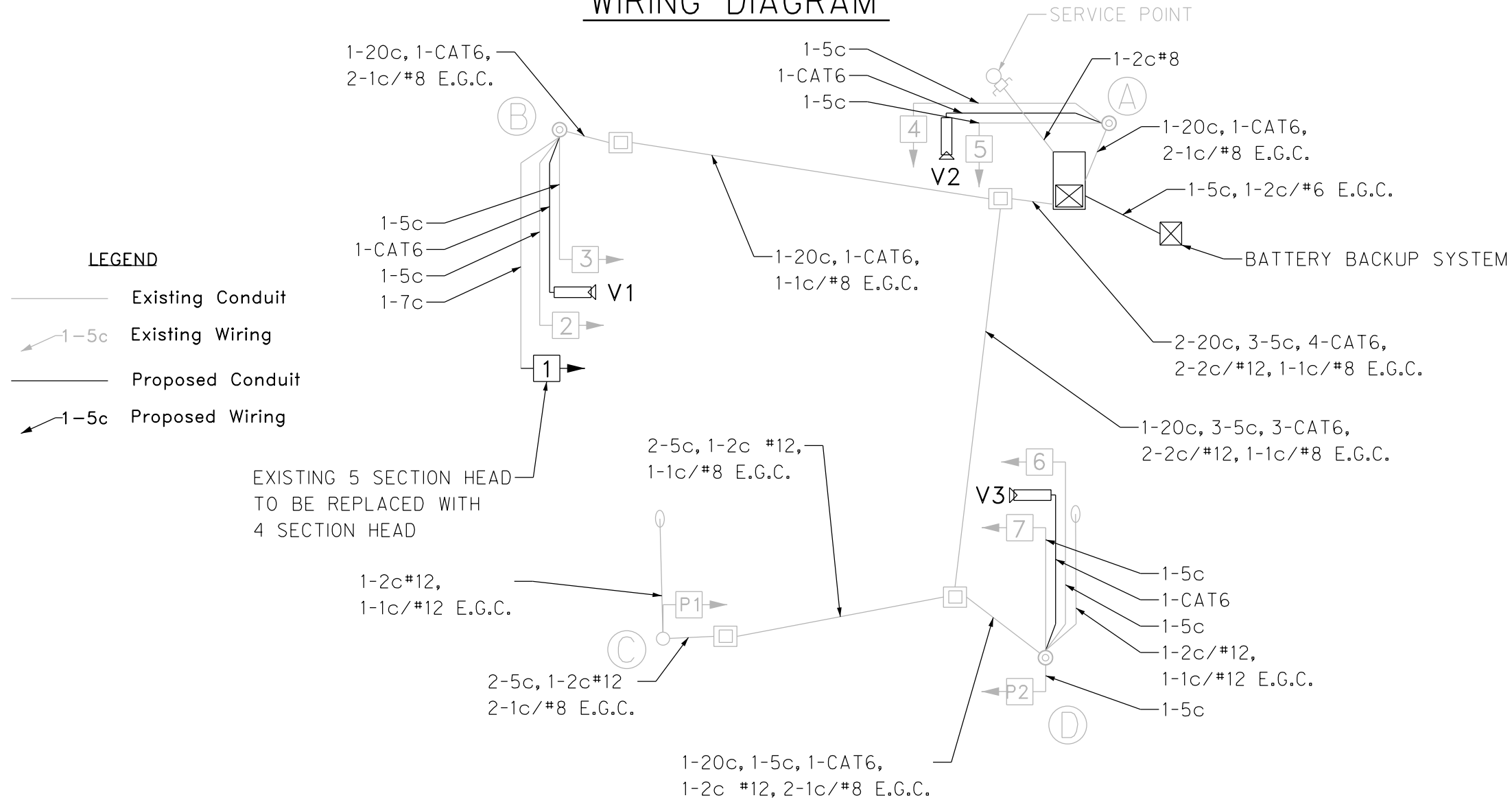
LOCATION: ELSINGER BOULEVARD
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

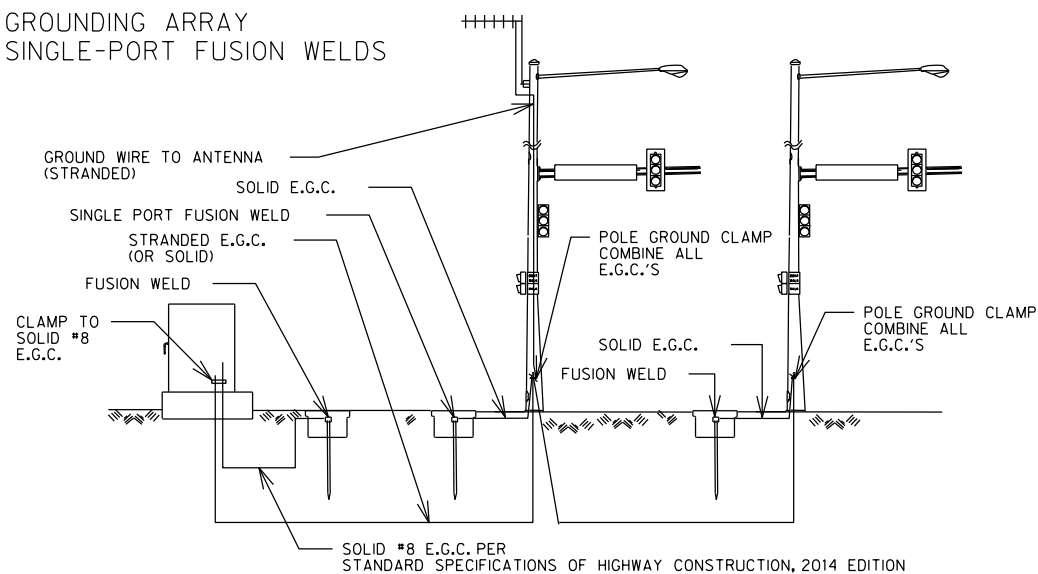
083593 6/22/2021
34372.001 BDR.DGN
T34372.SIG1.MAP.DGN

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	58	65
SIGNALIZATION PLAN SHEET						

WIRING DIAGRAM



GROUNDING ARRAY SINGLE-PORT FUSION WELDS



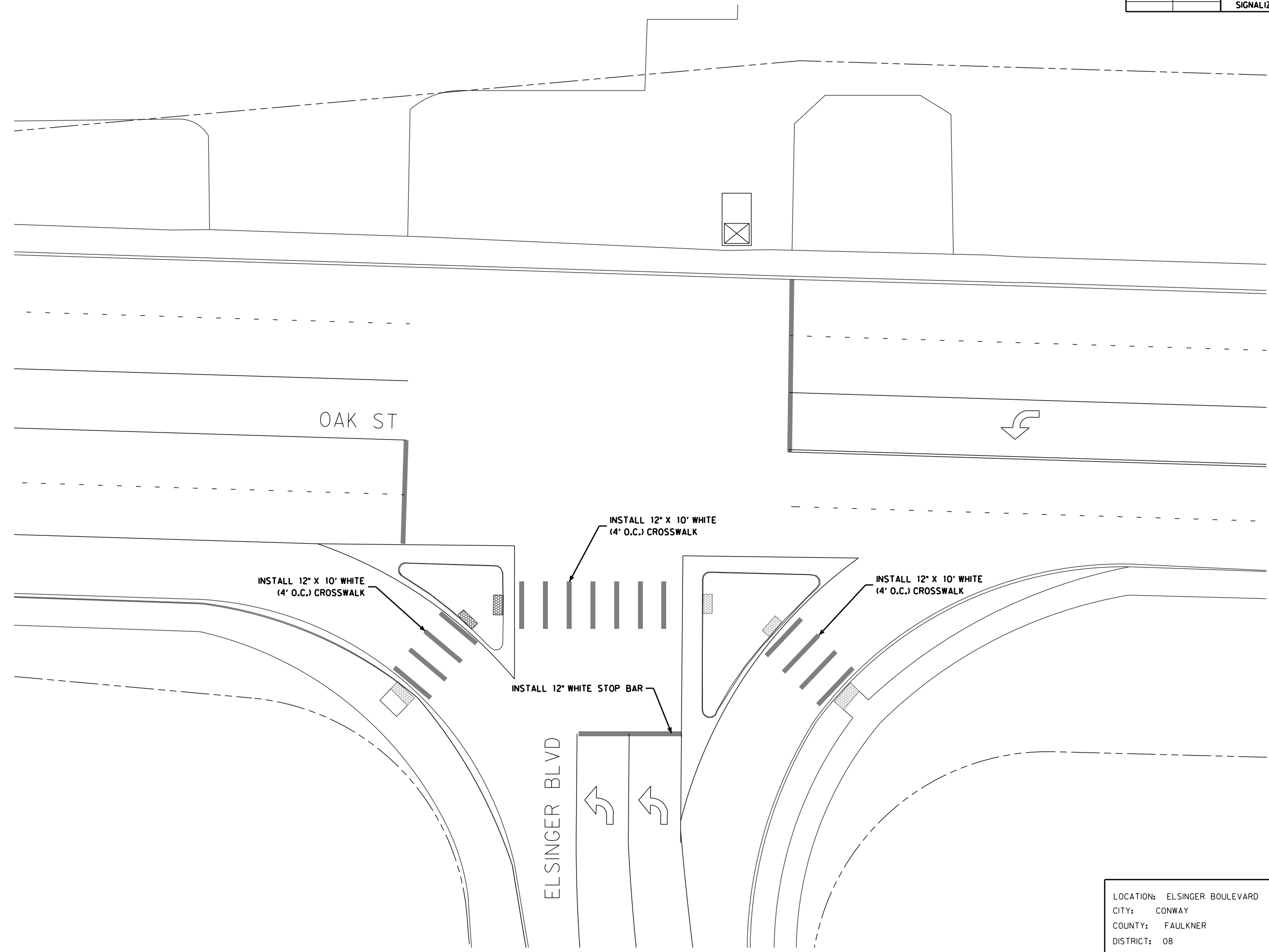
NOTES TO CONTRACTOR:

1. ONE SEPARATE 1-5c IS RUN TO EACH POLE FOR THE PEDESTRIAN PUSH BUTTON.
2. ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA OF CABINET.
3. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.

LOCATION: ELSINGER BOULEVARD
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	59	65
SIGNALIZATION PLAN SHEET						

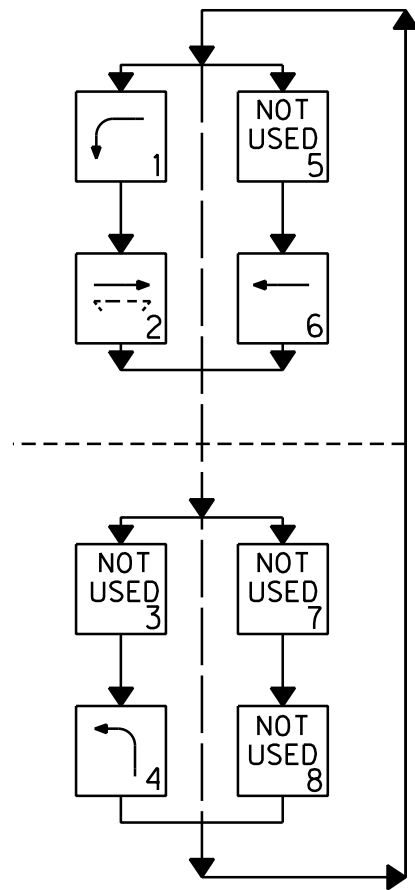


LOCATION: ELSINGER BOULEVARD
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG1.ADA.DGN

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	MASTER SYSTEM DETECTOR NUMBERS		
							PHS	SYSTEM DET. #		
Vz 11	WB LEFT NEAR	LOCAL				V1	1		VECTOR V1	23"
z19	WB LEFT NEAR	LOCAL				19			VECTOR V1	23"
Vz 21A&B	EB NEAR	LOCAL				V2	2		VECTOR V3	23"
z22	EB FAR	COMB.				22			VECTOR V3	23"
z23	EB FAR	COMB.				23				
Vz 41A&B	NB NEAR	LOCAL				V4	4		VECTOR V2	23"
z17	NB FAR	COMB.				17			VECTOR V2	23"
z18	NB FAR	COMB.				18			VECTOR V2	23"
Vz 61 A&B	WB NEAR	LOCAL				V6	6		VECTOR V1	23"
z20	WB FAR	COMB.				20			VECTOR V1	23"
z21	WB FAR	COMB.				21			VECTOR V1	23"
P2		PED.				P2	2			

CONTROLLER INPUT ABBREVIATIONS:
V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.

INTERVAL CHART

SIGNAL FACES	1+6	CLR	2+6	CLR	4	CLR	FLASH SEQ
1	←G	*	←FY	***	←R	←R	←R
2	G	**	G	**	R	R	R
3	G	**	G	**	R	R	R
4	R	R	R	R	G	Y	R
5	R	R	R	R	G	Y	R
6	R	R	G	Y	R	R	R
7	R	R	G	Y	R	R	R
P1	DW	DW	W	FDW	DW	DW	B
P2	DW	DW	W	FDW	DW	DW	B

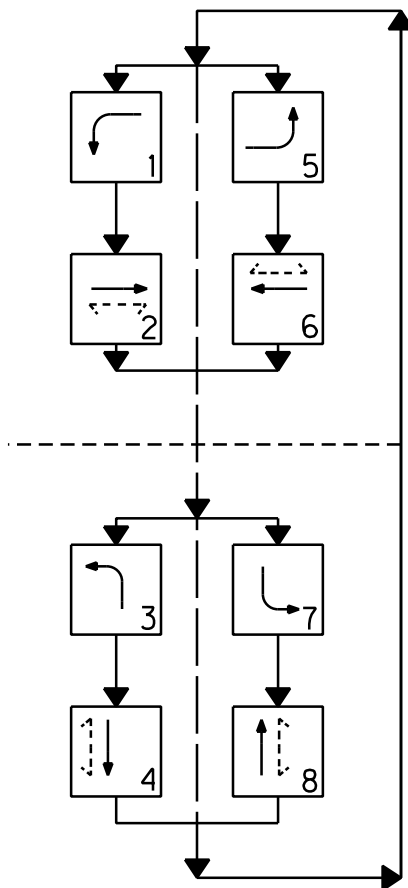
- * DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
- ** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
- *** DENOTES FLASHING YELLOW ARROW OR YELLOW ARROW DEPENDING ON NEXT PHASE

LOCATION: ELSINGER BOULEVARD
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF

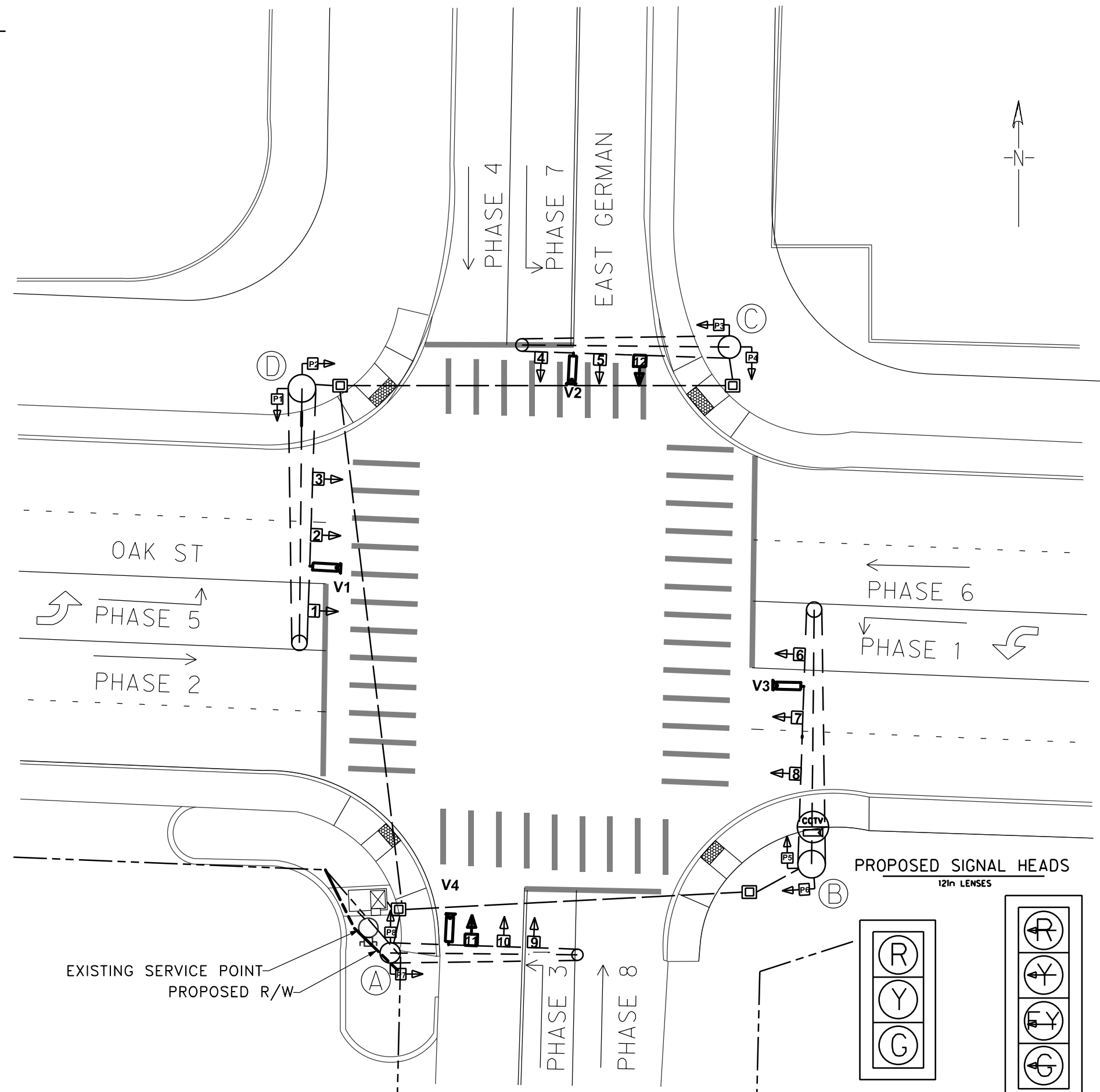
PHASING DIAGRAM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	61	65
SIGNALIZATION PLAN SHEET						

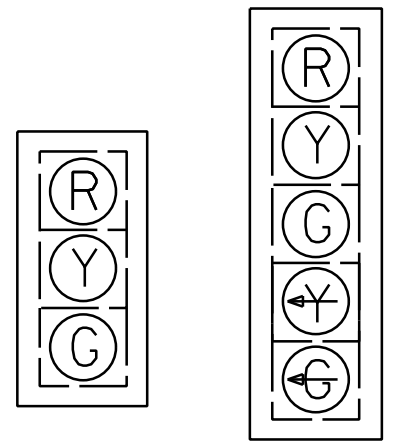


LEGEND

- Type 2 Pull Box
- Ped Head (existing)
- Push Button Pole (existing)
- Ped Head (proposed)
- Push Button Pole (proposed)
- Controller Cabinet
- Signal Head (as noted)
- Detector
- Luminaire
- Signal Pole
- Existing Conduit
- Proposed Conduit
- PTZ Camera
- Existing Right-Of-Way (R/W)

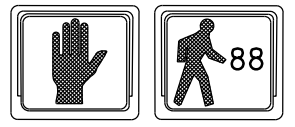


EXISTING SIGNAL HEADS 12in LENSES



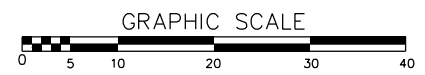
2,3,5,7,8,10
1,4,6,9
(To Be Removed)

One Section (Solid Symbol)

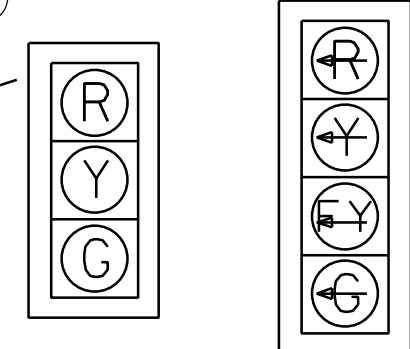


P1,P2,P3,P4
P5,P6,P7,P8

- NOTES:**
- ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR "RETROREFLECTIVE BACKPLATES" FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS.
 - ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEETS A.D.A. STANDARDS.
 - ALL EXISTING VIDEO DETECTORS TO BE REPLACED WITH VECTOR NEXT SENSOR UNIT.



PROPOSED SIGNAL HEADS 12in LENSES

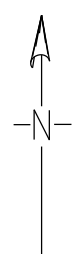
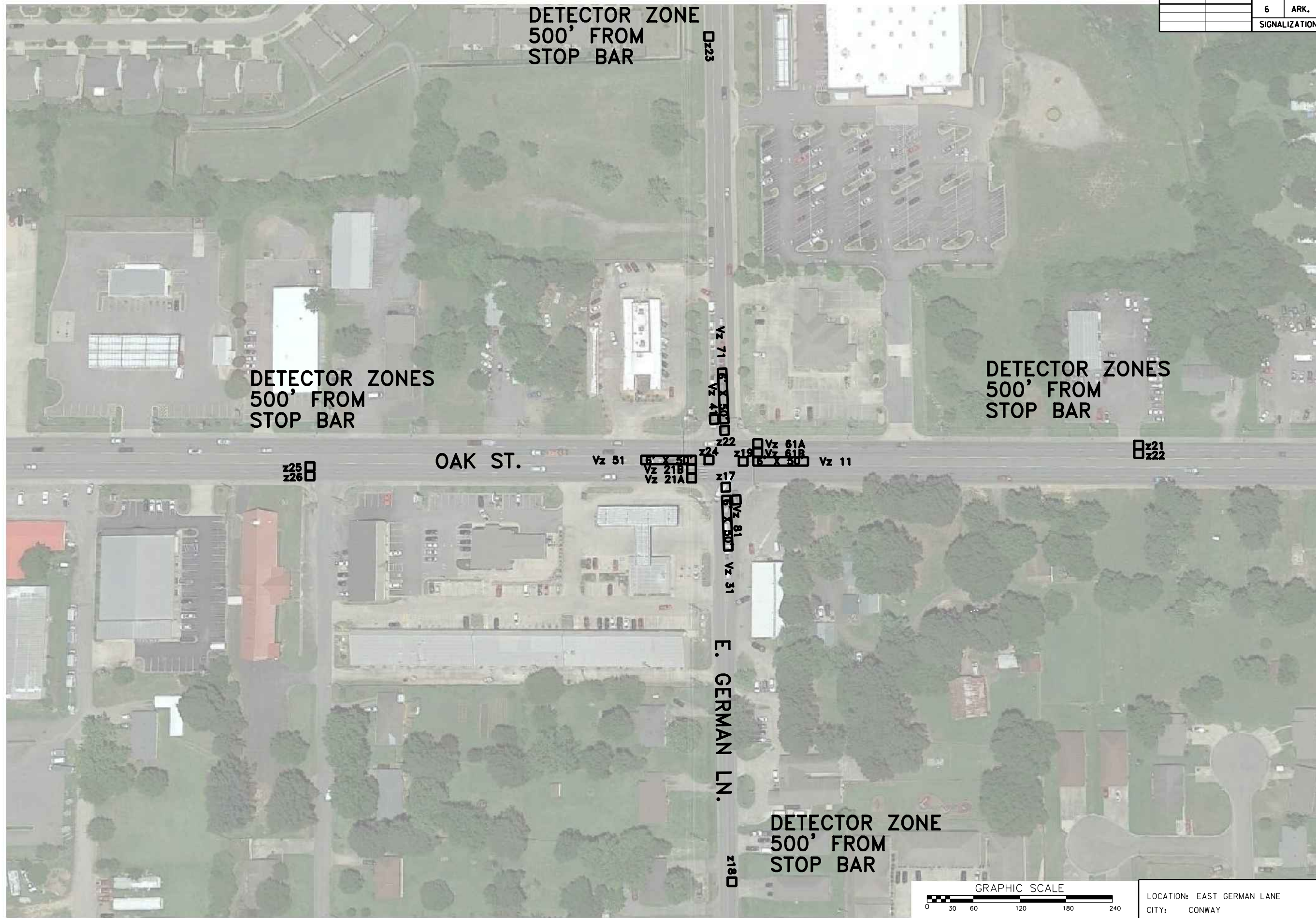


11,12
1,4,6,9

LOCATION: EAST GERMAN LANE
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08
DRAWN BY: HALFF

ah3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG12.40.DGN

DATE REVISION	DATE REVISION	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	62	65
SIGNALIZATION PLAN SHEET						

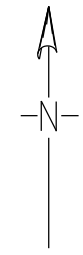


LOCATION: EAST GERMAN LANE
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08

DRAWN BY: HALFF

08/3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG2.MAP.DGN

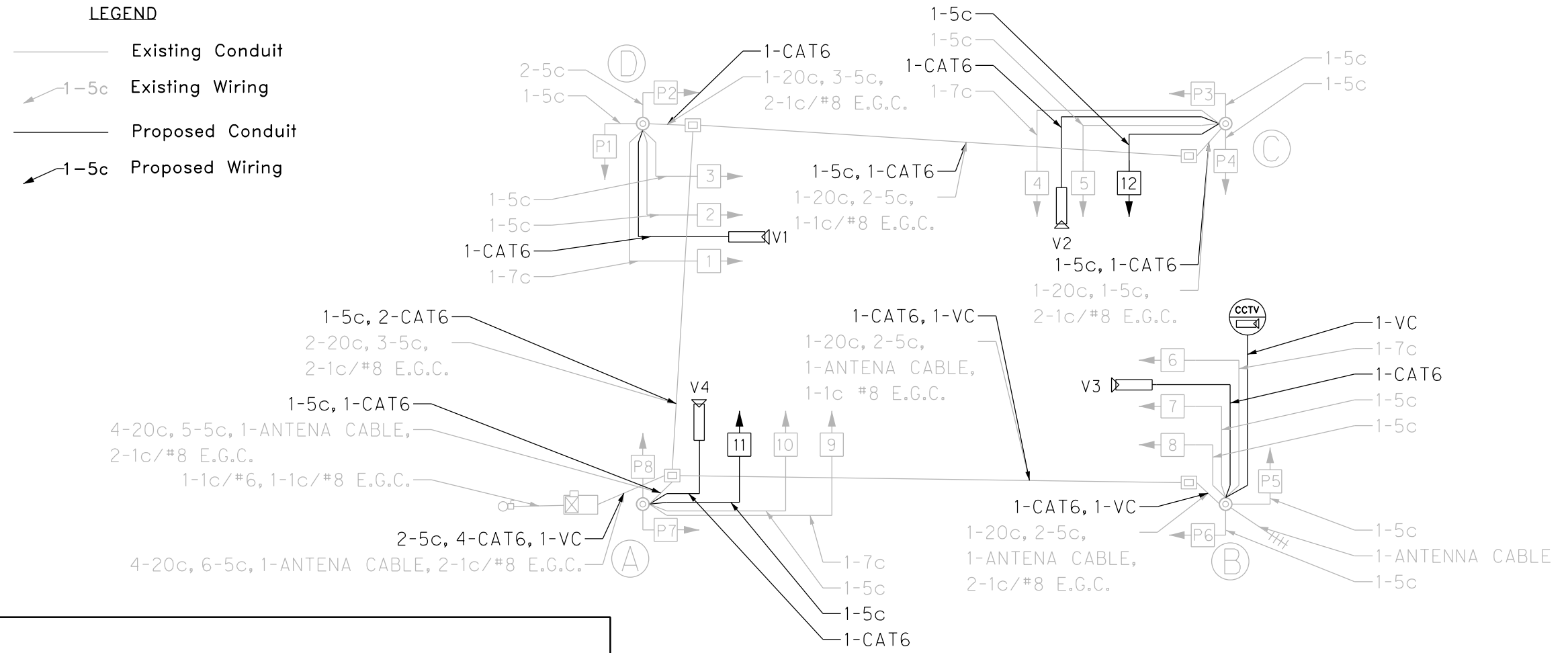
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	080576	63	65
SIGNALIZATION PLAN SHEET						



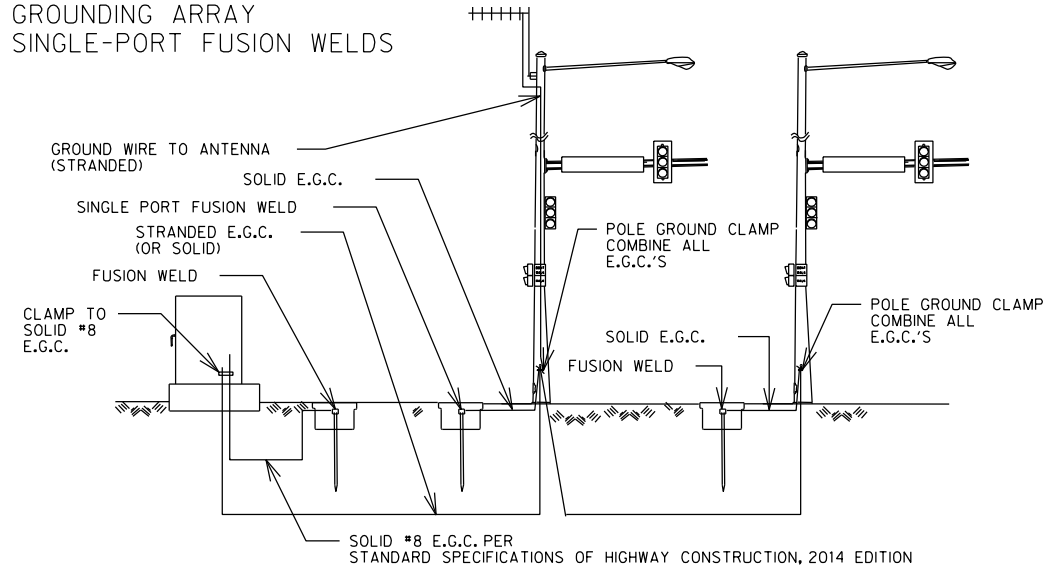
WIRING DIAGRAM

LEGEND

- Existing Conduit
- ↙ 1-5c Existing Wiring
- Proposed Conduit
- ↙ 1-5c Proposed Wiring



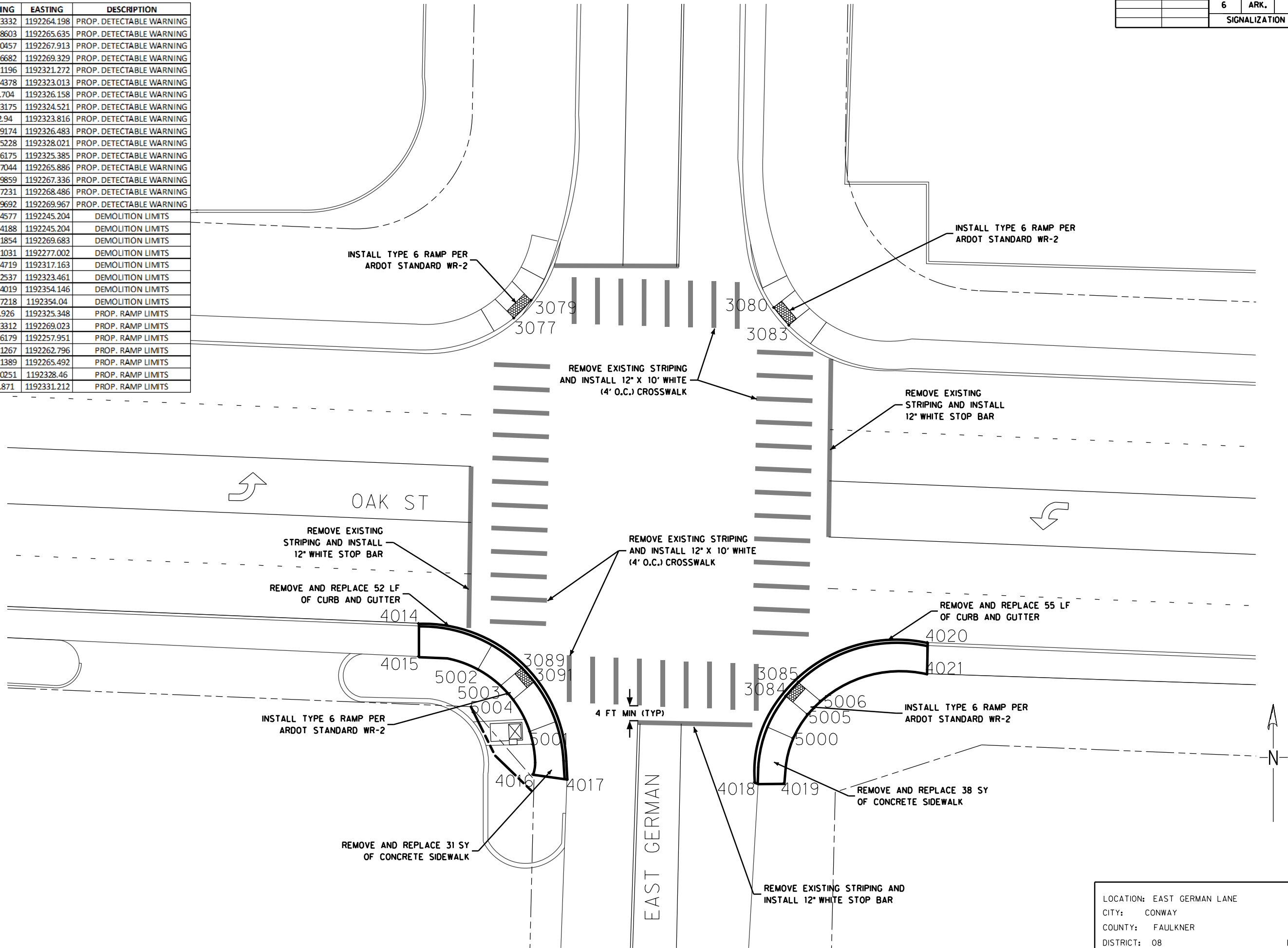
GROUNDING ARRAY SINGLE-PORT FUSION WELDS



LOCATION: EAST GERMAN LANE
 CITY: CONWAY
 COUNTY: FAULKNER
 DISTRICT: 08
 DRAWN BY: HALFF

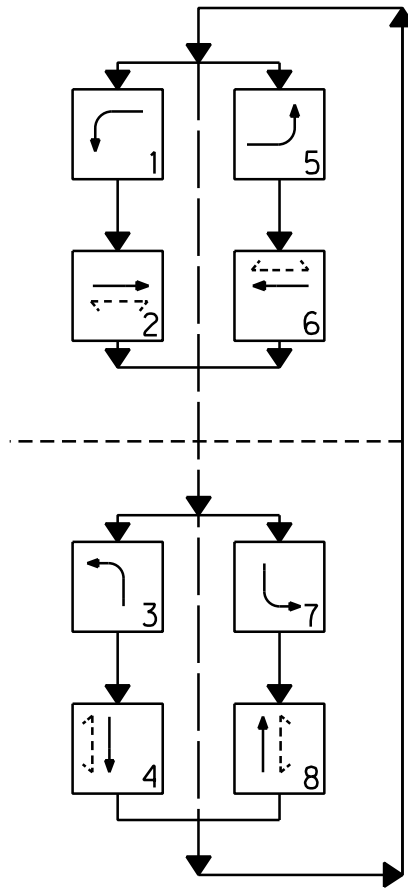
dh3593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG12.WIRE.DGN

POINT	NORTHING	EASTING	DESCRIPTION
3076	276085.3332	1192264.198	PROP. DETECTABLE WARNING
3077	276083.8603	1192265.635	PROP. DETECTABLE WARNING
3078	276089.0457	1192267.913	PROP. DETECTABLE WARNING
3079	276087.6682	1192269.329	PROP. DETECTABLE WARNING
3080	276086.1196	1192321.272	PROP. DETECTABLE WARNING
3081	276087.4378	1192323.013	PROP. DETECTABLE WARNING
3082	276083.704	1192326.158	PROP. DETECTABLE WARNING
3083	276082.3175	1192324.521	PROP. DETECTABLE WARNING
3084	276002.94	1192323.816	PROP. DETECTABLE WARNING
3085	276005.9174	1192326.483	PROP. DETECTABLE WARNING
3086	276004.5228	1192328.021	PROP. DETECTABLE WARNING
3087	276001.6175	1192325.385	PROP. DETECTABLE WARNING
3088	276007.7044	1192265.886	PROP. DETECTABLE WARNING
3089	276008.9859	1192267.336	PROP. DETECTABLE WARNING
3090	276004.7231	1192268.486	PROP. DETECTABLE WARNING
3091	276005.9692	1192269.967	PROP. DETECTABLE WARNING
4014	276018.4577	1192245.204	DEMOLITION LIMITS
4015	276011.4188	1192245.204	DEMOLITION LIMITS
4016	275986.1854	1192269.683	DEMOLITION LIMITS
4017	275985.1031	1192277.002	DEMOLITION LIMITS
4018	275984.4719	1192317.163	DEMOLITION LIMITS
4019	275984.2537	1192323.461	DEMOLITION LIMITS
4020	276014.4019	1192354.146	DEMOLITION LIMITS
4021	276007.7218	1192354.04	DEMOLITION LIMITS
5000	275993.926	1192325.348	PROP. RAMP LIMITS
5001	275995.3312	1192269.023	PROP. RAMP LIMITS
5002	276008.6179	1192257.951	PROP. RAMP LIMITS
5003	276005.1267	1192262.796	PROP. RAMP LIMITS
5004	276002.1389	1192265.492	PROP. RAMP LIMITS
5005	275999.0251	1192328.46	PROP. RAMP LIMITS
5006	276001.871	1192331.212	PROP. RAMP LIMITS



083593 6/22/2021
 34372.001 BDR.DGN
 T34372.SIG2.ADA.DGN

PHASING DIAGRAM



DET. ID #	LOCATION DIRECTION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS
				CAB. TRM. #	AMP. CHN. #	CON. IMP. #	LOCAL	MASTER SYSTEM DETECTOR NUMBERS		
Vz 11	WB LEFT NEAR	LOCAL				V1	1		VECTOR V1	23"
z19	WB LEFT NEAR	LOCAL				19			VECTOR V1	23"
Vz 21A&B	EB NEAR	LOCAL				V2	2		VECTOR V3	23"
z25	EB FAR	COMB.				25			VECTOR V3	23"
z26	EB FAR	COMB.				26			VECTOR V3	23"
Vz 31	NB LEFT NEAR	LOCAL				V3	3		VECTOR V2	23"
z17	NB LEFT NEAR	LOCAL				17			VECTOR V2	23"
Vz 41	SB NEAR	LOCAL				V4	4		VECTOR V4	23"
z23	SB FAR	COMB.				23			VECTOR V4	23"
Vz 51	EB LEFT NEAR	LOCAL				V5	5		VECTOR V3	23"
z24	EB LEFT NEAR	LOCAL				24			VECTOR V3	23"
Vz 61A&B	WB NEAR	LOCAL				V6	6		VECTOR V1	23"
z20	WB FAR	COMB.				20			VECTOR V1	23"
z21	WB FAR	COMB.				21			VECTOR V1	23"
Vz 71	SB LEFT NEAR	LOCAL				V7	7		VECTOR V4	23"
z22	SB LEFT NEAR	LOCAL				22			VECTOR V4	23"
Vz 81	NB NEAR	LOCAL				V8	8		VECTOR V2	23"
z18	NB FAR	COMB.				18			VECTOR V2	23"
P2		PED.				P2	2			
P4		PED.				P4	4			
P6		PED.				P6	6			
P8		PED.				P8	8			

V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT
NU = NOT USED (VIDEO OR OTHER DETECTOR IN PLACE BUT NOT IN SERVICE)
TYPE: LOCAL = ACTUATES PHASE ONLY; COMB = ACTUATES PHASE AND SYSTEM INPUT; SYS = SYSTEM ONLY, DOES NOT ACTUATE PHASE
NOTE: "AMP CHN" = WHERE SHOWN THIS REFERS TO THE RACK OUTPUT POSITION, "E" INDICATES EXTENDER CARD
THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.
EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2
CONTRACTOR SHOULD FIELD VERIFY DETECTOR ZONE TO CONTROLLER INPUT PRIOR TO PROGRAMMING CONTROLLER.

INTERSECTION NOTES

- CONTRACTOR TO INSTALL NEW SIGNAL EQUIPMENT REQUIRED FOR ADAPTIVE SIGNAL SYSTEM. CONTRACTOR TO REPLACE EXISTING CONTROLLER & MMU AND INSTALL DETECTION SENSORS & EQUIPMENT TO SUPPLY INFORMATION TO ADAPTIVE SOFTWARE.
- CONTRACTOR TO INSTALL NEW PTZ CAMERA ON EXISTING SOUTHWEST MAST ARM POLE LMINAIRE ARM. CAMERA POWER AND SURGE PROTECTION DEVICES TO BE INSTALLED IN CONTROLLER CABINET.
- CONTRACTOR SHALL FIELD VERIFY VECTOR SITE LOCATION AND ORIENTATION TO PROVIDE BEST COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE MANUFACTURER. NO EXTRA PAY WILL BE ALLOWED IF CAMERA LOCATION MOVES TO DIFFERENT POLE.
- INSTALL CABLING IN EXISTING CONDUIT AND PULLBOXES.

INTERVAL CHART

SIGNAL FACES	1+5	CLR	1+6	CLR	2+5	CLR	2+6	CLR	3+7	CLR	3+8	CLR	4+7	CLR	4+8	CLR	FLASH SEQ
1	←G	*	←G	*	←FY	***	←FY	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
2	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
3	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
4	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←G	*	←FY	***	←FY	***	←R
5	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	**	R
6	←G	*	←FY	***	←G	*	←FY	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
7	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
8	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
9	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←FY	***	←G	*	←FY	***	←R
10	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**	R
11	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**	R
12	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	**	R
P1	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW
P2	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
P3	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
P4	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	B
P5	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	B
P6	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
P7	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
P8	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	B

* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
*** DENOTES YELLOW OR FLASHING YELLOW ARROW DEPENDING ON NEXT PHASE

LOCATION: EAST GERMAN LANE
CITY: CONWAY
COUNTY: FAULKNER
DISTRICT: 08

DRAWN BY: HALFF