
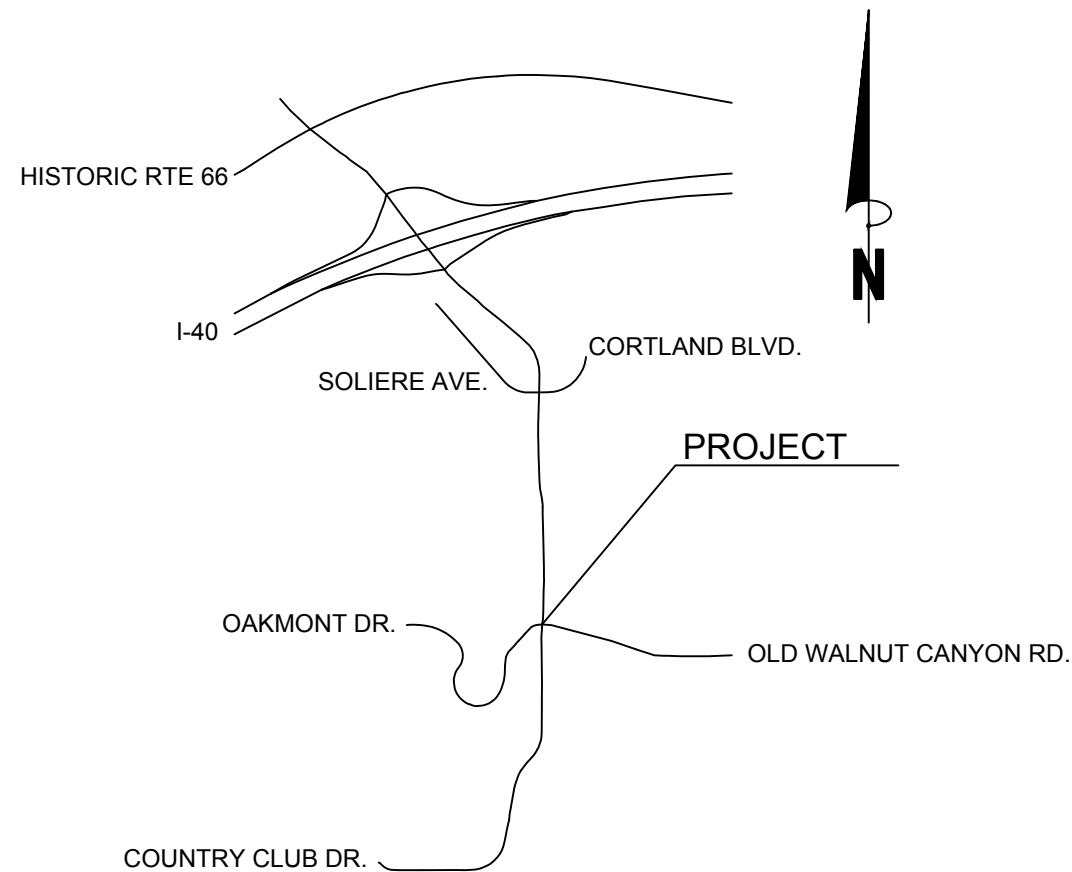


F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	33	42	

	J3Z ENGINEERING AN ENGINEERING FIRM
-------------------------------------------------------------------------------------	----------------------------------------


CITY OF FLAGSTAFF INTERSECTION SIGNAL REDESIGN FOR COUNTRY CLUB DR. AND OLD WALNUT CANYON RD.



100%
SUBMITTAL MAY, 2016

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE MOST CURRENT CITY OF FLAGSTAFF ENGINEERING DESIGN STANDARDS AND ANY APPLICABLE AASHTO STANDARDS.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES AND AVOIDING DAMAGE TO SAID UTILITIES.
3. DRAINAGE FOR THE PROPOSED DESIGN WILL DRAIN TO EXISTING CONDITIONS.

	FLAGSTAFF, ARIZONA
----- Cover Page	
DR: J. WEYRAUCH DATE: 04/16	CK: J. ELKINS DATE: 05/16
SCALE: N/A N/A	DWG. NO. 000 01 OF 07

F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	34	42	

J3Z ENGINEERING
AN ENGINEERING FIRM

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY

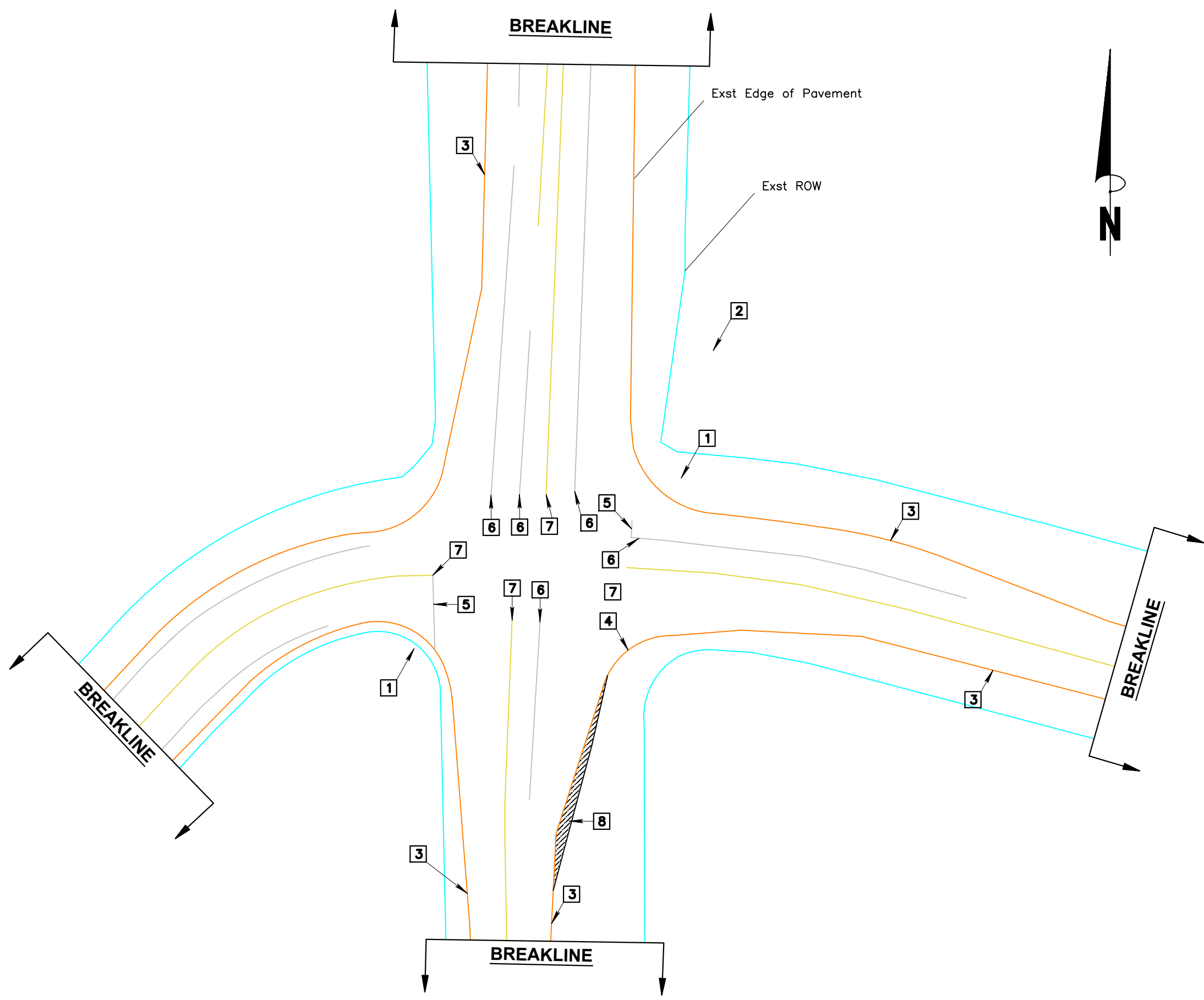
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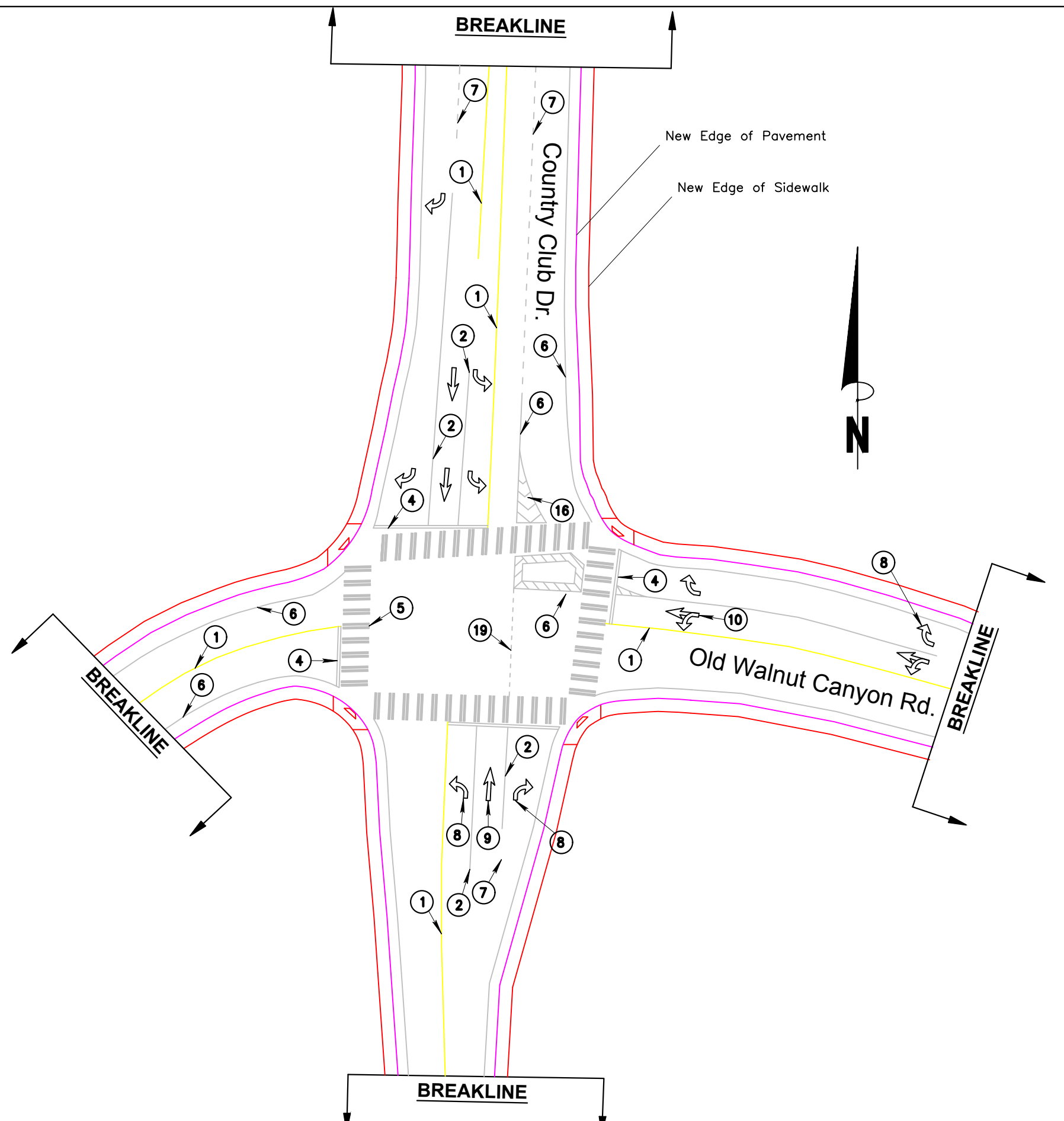
REMOVALS			
1	Remove Sign	EA	2
2	Remove Tree	EA	1
3	Remove Curb	LF	1068
4	Remove & Relocate Retaining Wall	LF	N/A
5	Remove 18" Solid White Line	LF	38
6	Remove 8" Solid White Line	LF	50
7	Remove Yellow Two-Way Lane Striping	LF	40
8	Remove Landscape	CY	N/A



FLAGSTAFF, ARIZONA

Existing Conditions and Demolition

DR: J. WEYRAUCH	CK: J. ELKINS	DWG. NO. 001
DATE: 04/16	DATE: 05/16	
SCALE: 1"=40' HORIZONTAL	1"=40' VERTICAL	02 OF 07





F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	35	42	
 J3Z ENGINEERING AN ENGINEERING FIRM					
CONSTRUCTION NOTES					
NO	DESCRIPTION	UNIT	QTY		
1	4"-6"-4" Double Solid Yellow Line				
2	8" Solid White Line				
3	Yellow Two Way Left Turn Lane Striping				
4	18" Solid White Line				
5	Crosswalk Markings -See Detail 1				
6	6" Solid White Line				
7	6" White Skip Striping -See Detail 1				
8	Pavement Marking Symbol "Turn Arrow"				
9	Pavement Marking Symbol "Through Arrow"				
10	Pavement Marking Symbol "Through-Turn Arrow"				
11	Pavement Marking Text "ONLY"				
12	4" Solid White Line				
13	4" Travel Lane Striping -See Detail 1				
14	Pavement Marking Symbol "Bike Lane" -See Detail 1				
15	Pavement Marking Symbol "Shared Lane" -See Detail 1				
16	8" White Chevron Marking				
17	4" Solid Yellow Line				
18	Parallel on Street Parking				
19	6" White Line Extension				
NOTE:					
REMOVALS					
 FLAGSTAFF, ARIZONA					
Striping Plan					
DR: J. WEYRAUCH		CK: J. ELKINS		DWG. NO. 002	
DATE: 04/16		DATE: 04/16			
SCALE: 1"=40' HORIZONTAL		1"=40' VERTICAL		03 OF 07	

F.H.W.A REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	36	42	

J3Z ENGINEERING
AN ENGINEERING FIRM

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY

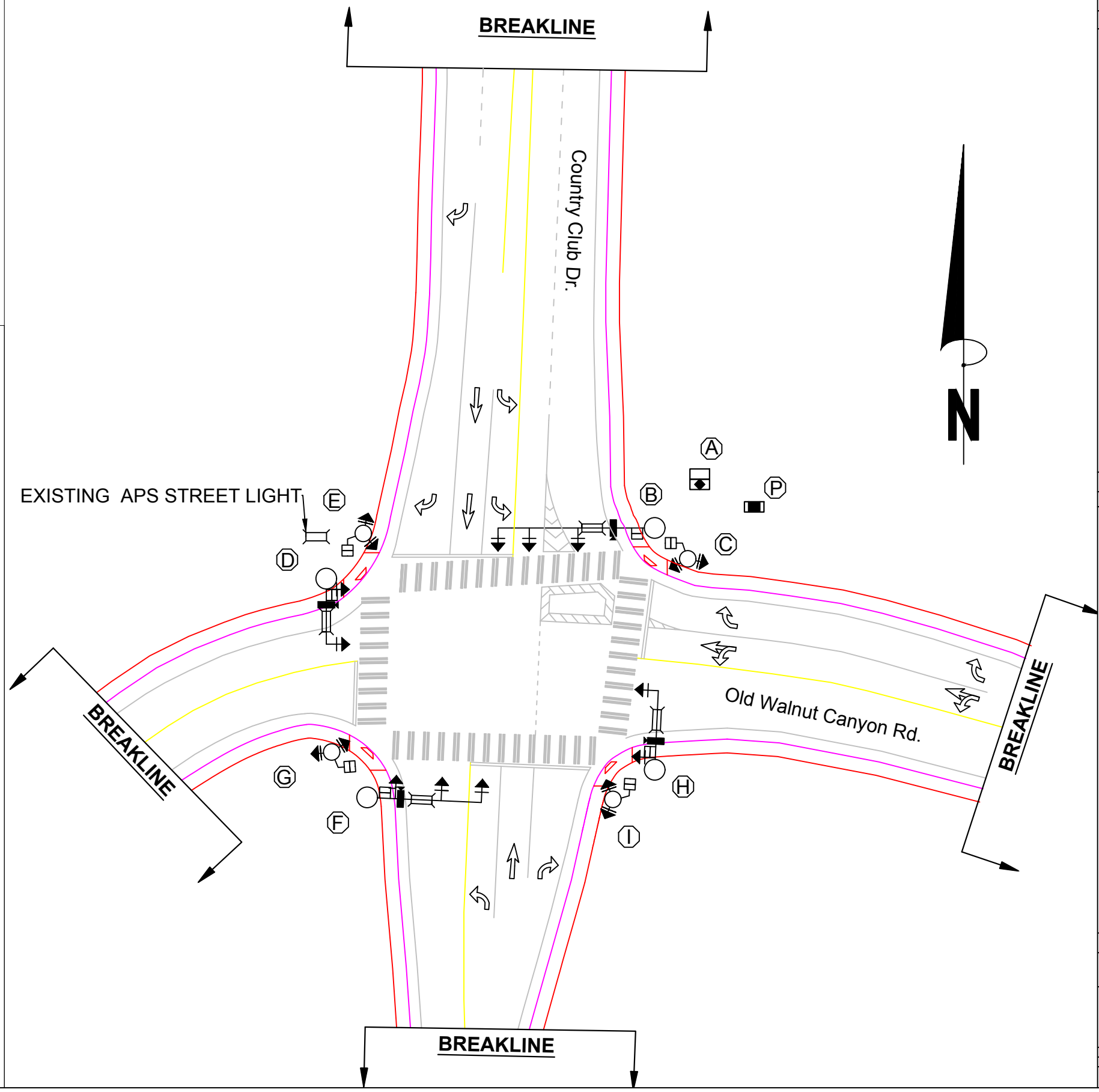
NOTE:

REMOVALS

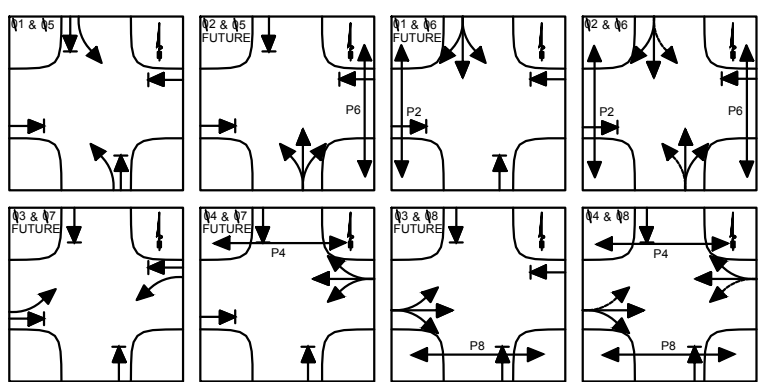
FLAGSTAFF, ARIZONA

Signal Plan and Phasing

DR: J. ELKINS	CK: J. WEYRAUCH	DWG. NO. 003
DATE: 05/16	DATE: 05/16	
SCALE: 1"=40' HORIZONTAL	1"=40' VERTICAL	04 OF 07



PHASE MOVEMENTS



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	37	42	

J3Z ENGINEERING
AN ENGINEERING FIRM

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY

NOTE:

REMOVALS			

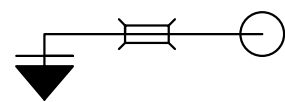
FLAGSTAFF, ARIZONA

Pole Schedule

DR: J. ELKINS	CK: J. WEYRAUCH	DWG. NO. 004
DATE: 05/16	DATE: 05/16	
SCALE: N/A	HORIZONTAL	05 OF 07
	VERTICAL	

TRAFFIC SIGNAL CONTROLLER						REMARKS	LOCATION	
CABINET	TYPE	CONTROLLER	AUX. CONTROL					
	IV W/ELEV, BASE ECONOLITE TS-2, TYPE 1	ECONOLITE ASC 3-2100	ADD PEC AND CONTACTOR TO CONTROL LPS LIGHTING			ADD RTC MODEL TR-4 GPS TIME SOURCE WITH ANTENA	TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK	
	COMBINATION METER/UPS PEDESTAL	MEUG-UPS-M100-AZ (DWG #526321)	UPS SYSTEM IN MEUG PEDESTAL WITH 92 Ah BATTERIES			LIGHTING & TRAFFIC SIGNALS ON SINGLE METERED SERVICE	TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK	
POLE		MAST ARM		SIGNALS		P.B. SIGN	REMARKS	LOCATION
	TYPE	SIG.	LUM.	MTG	FACE			
	W	60'	20'	2-II V ADA P.B.	G,F F M/H	T.S. 11-4 RIO-4B (L)	240V LED LUMINAIRE W/PEC VIDEO DETECTION ON SL MAST ARM	TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	A 10'			VI V ADA P.B.	R,G M/H	T.S. 11-4 RIO-4B (R)		TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	F	20'	20'	II VI ADA P.B.	F,G M/H	T.S. 11-4 RIO-4B (L)	240V LED LUMINAIRE W/PEC VIDEO DETECTION ON SL MAST ARM	TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	A 10'			VI V ADA P.B.	G,F M/H	T.S. 11-4 RIO-4B (R)		TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	Q	40'	20'	2-II V ADA P.B.	G,F F M/H	T.S. 11-4 RIO-4B (L)	240V LED LUMINAIRE W/PEC VIDEO DETECTION ON SL MAST ARM	TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	A 10'			VI V ADA P.B.	F,F M/H	T.S. 11-4 RIO-4B (R)		TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	Q	25'	20'	II VI ADA P.B.	F,F M/H	T.S. 11-4 RIO-4B (L)	240V LED LUMINAIRE W/PEC VIDEO DETECTION ON SL MAST ARM	TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK
	A 10'			VI V ADA P.B.	G,F M/H	T.S. 11-4 RIO-4B (R)		TO BE FIELD LOCATED BY CITY TS INSPECTOR, BEHIND FUTURE SIDEWALK

TRAFFIC SIGNAL SYMBOLOGY LEGEND



TRAFFIC SIGNAL POLE
W/LED LUMINAIRE



SIGNAL HEAD



PEDESTRIAL SIGNAL



METER PEDESTAL/UPS CABINET



CONTROLLER CABINET



VIDEO DETECTION CAMERA

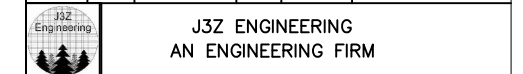


NO. 7 PULL BOX



NO. 5 PULL BOX

F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	38	42	



CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY

NOTE:

REMOVALS			

FLAGSTAFF, ARIZONA

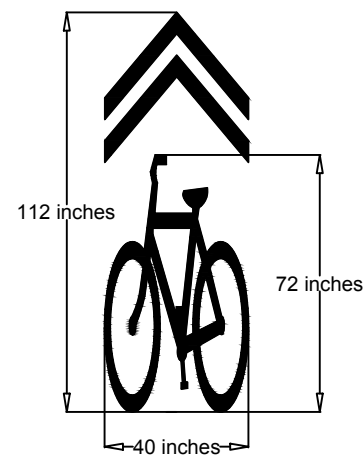
Detail 1

DR: J. ELKINS	CK: J. WEYRAUCH	DWG. NO. 005
DATE: 05/16	DATE: 05/16	
SCALE: N/A	HORIZONTAL: N/A	06 OF 07
	VERTICAL: N/A	

NOTE / DETAIL SHEET

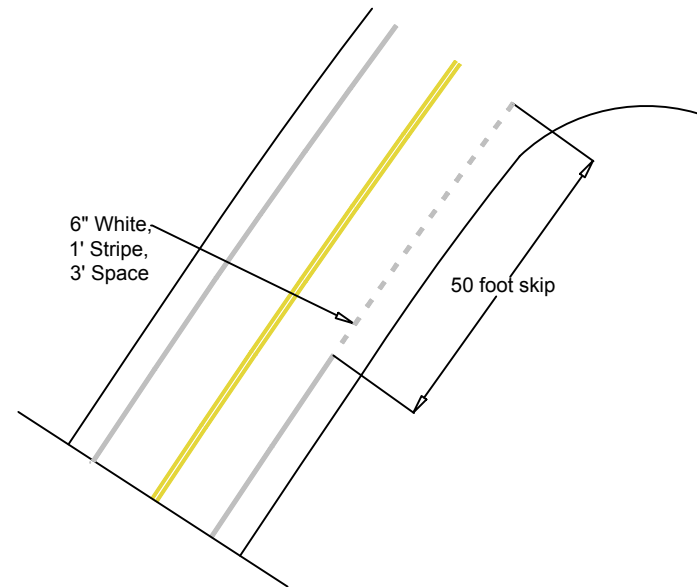
Shared Lane Symbol

Shared Bike Lane Symbols are to be placed immediately after an intersection and spaced at intervals not greater than 250 feet thereafter.



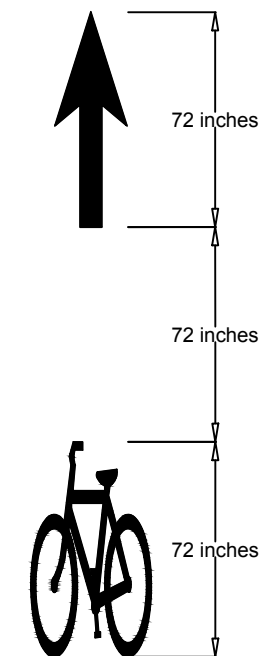
Bike Lane Skip Before an Intersection

When a bike lane approaches an intersection stripe a skip section of 50 feet prior to the intersection.

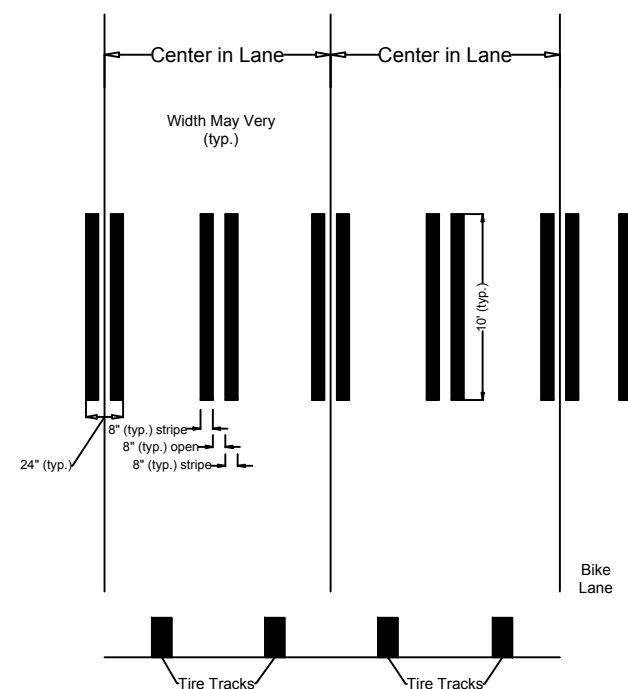


Bicycle Lane Symbol

Bike Lane Symbols are to be placed at the beginning of a bicycle lane and periodic intervals along the bicycle lane based on engineering judgment.




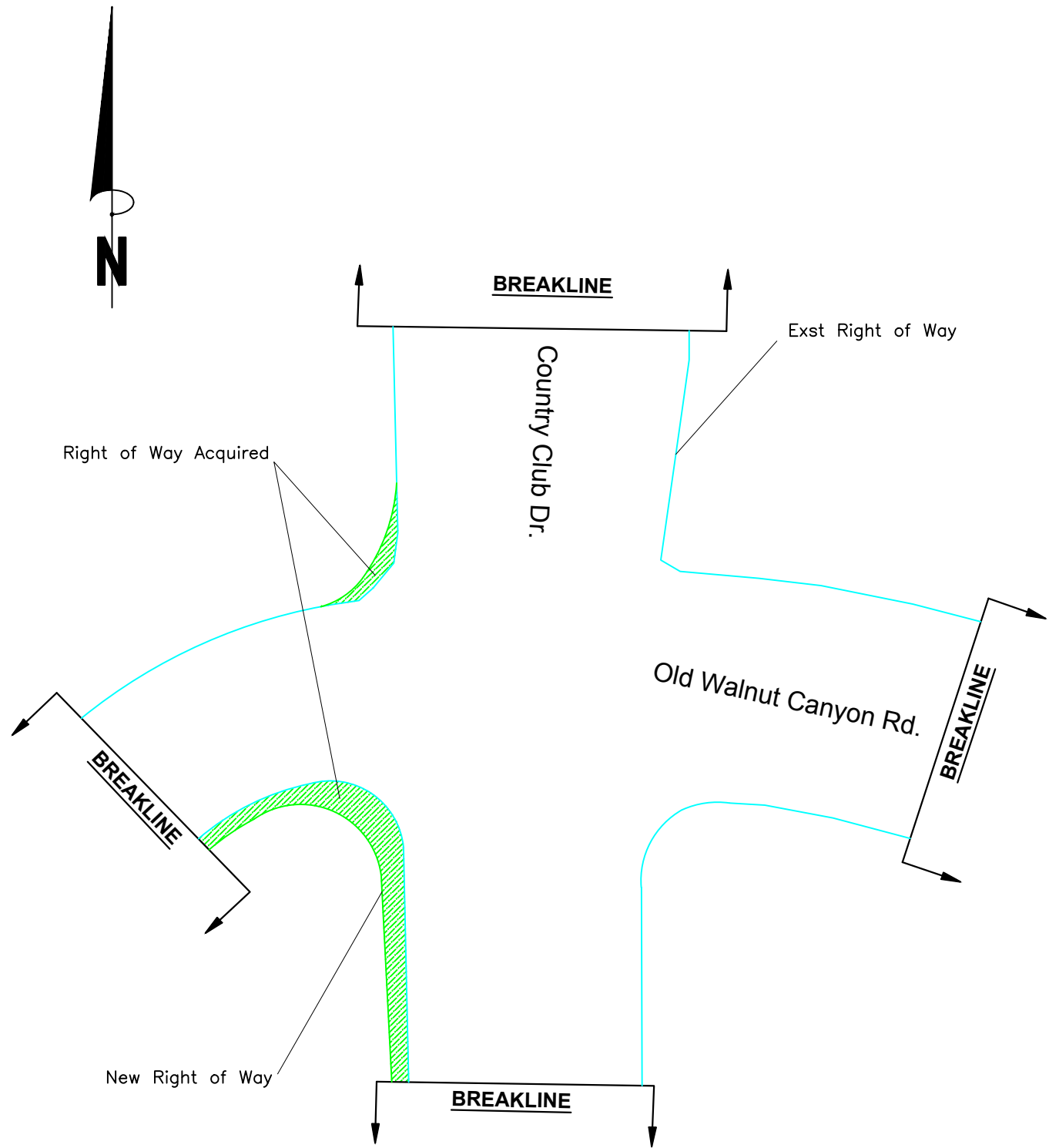
Crosswalk Markings



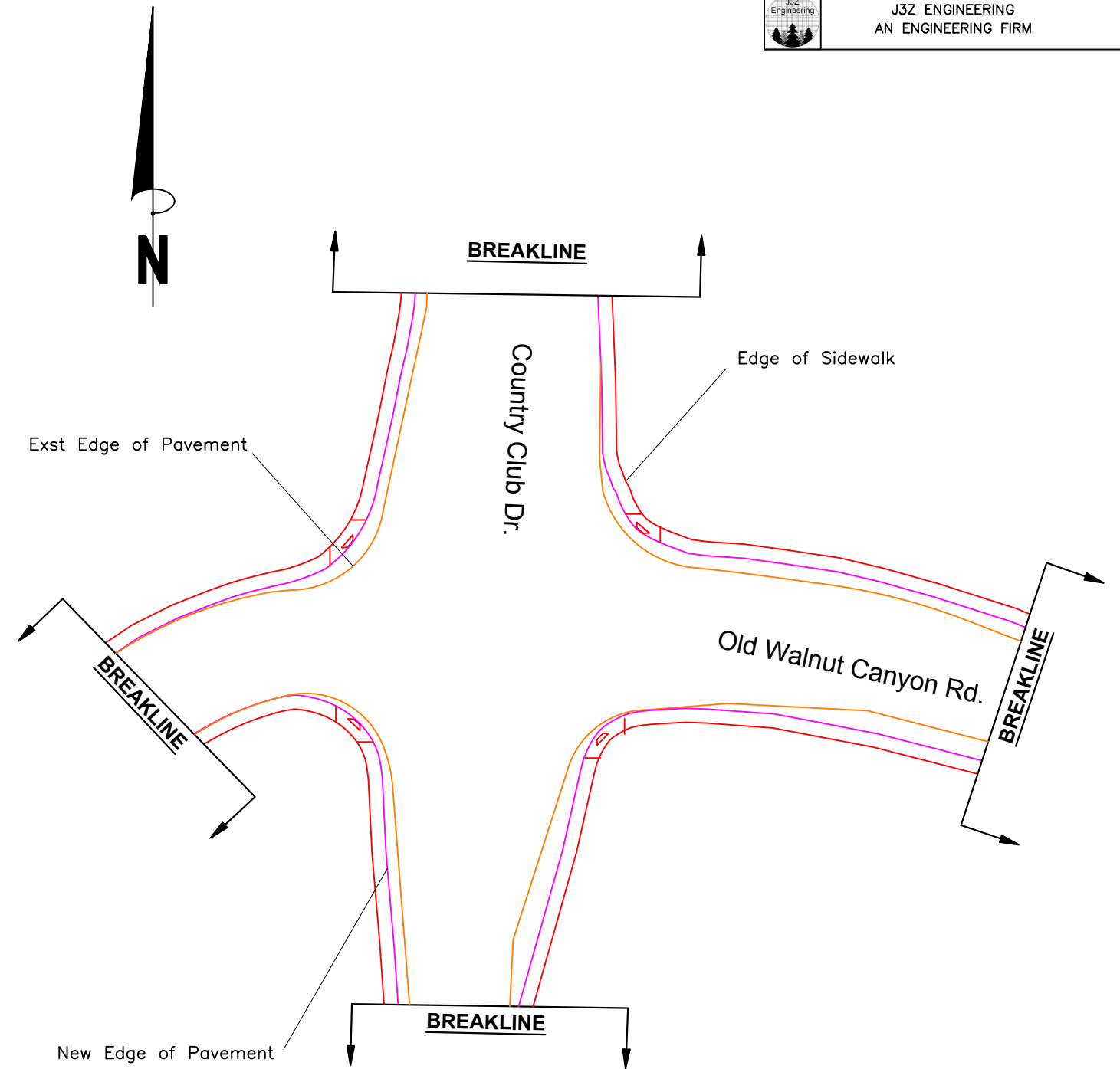
General Notes


- Roadway striping shall not be broken at driveways
- Double yellow striping is to be 4"-6"-4"
- Stop Bars are to be 18" wide
- All bicycle lane skip striping is to be 6" wide and 1' length, with a 3' space
- Chevrons and diagonal lines used for crosshatch markings should be at least 12 inches wide for roadways of 45 mph or greater, and at least 8 inches wide for roadways of less than 45 mph.

F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL	PROPOSED DESIGN
9	ARIZ	0001	39	42	
		J3Z ENGINEERING AN ENGINEERING FIRM			



Right of Way Acquired=1443 Sq. ft



		FLAGSTAFF, ARIZONA	
Redesign Boundaries			
DR: J. WEYRAUCH	CK: J. ELKINS	DWG. NO. 006	
DATE: 05/16	DATE: 05/16		
SCALE: 1"=40' HORIZONTAL		07 OF 07	
1"=40' VERTICAL			