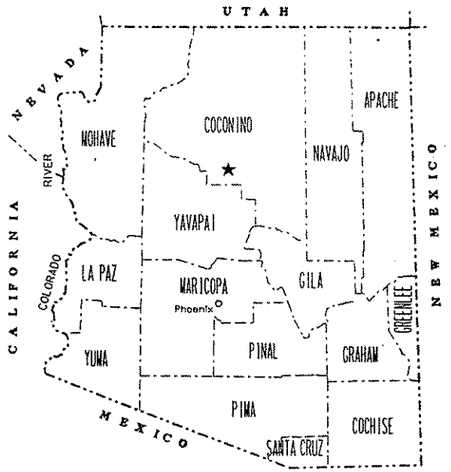
F.H.W.A. REGION	STATE	FEDERAL REFERENCE NO.	SHEET NO.	TOTAL SHEETS	FINALIZED PLANS
9	ARIZ.	VLT-951-6-802	1	13	



STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

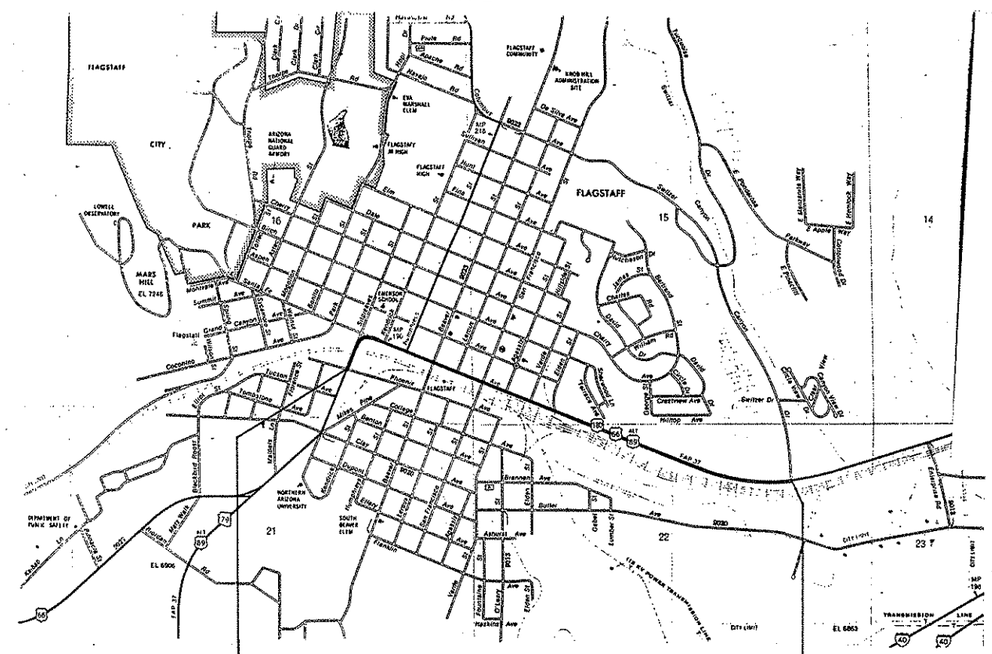
RIGHT OF WAY PLAN OF THE
FLAGSTAFF BUSINESS ROUTE
FLAGSTAFF STREETS (UNIT II)
040B CN 195 H 1002 03R
VLT-951-6-802

LENGTH OF PROJECT 1.22 MILES DISTRICT 4

R7E

T 21 N

N



POT 2242+70 — 040B CN 195 H 1002 03R — POT 2307+00

D-3-T-648

Click here for SR 40B Index

PUBLIC HEARING REQUIREMENTS CERTIFIED N/A

ENVIRONMENTAL CLEARANCE NOV. 1987

THOMAS R. [illegible]

APPROVED IN ACCORDANCE WITH ROADWAY PLANS

DATE 12/11/88

DEPUTY STATE ENGINEER

Robert P. Mickelson

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED DATE

DIVISION ADMINISTRATOR

DRAWING NO. D-3-T-648

SHEET NO. 1 OF 13

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	2	13	
		040B CN 195			

OWNERSHIP RECORD										ACQUISITION RECORD				
PARCEL NUMBER	OWNER	DESCRIPTION	TOTAL AREA	AREA REQUIRED GROSS INCLUDING EXISTING R/W	AREA REQUIRED NET EXCLUDING EXISTING R/W	EASEMENT AREA	REMAINDER LEFT	REMAINDER RIGHT	SHEET NUMBER	BOARD APPROVAL	TYPE & DATE OF INSTRUMENT	RECORDED DATE	RECORDED BOOK	RECORDED PAGE
~~3-349~~	~~ELDORADO APARTMENTS, A GENERAL PARTNERSHIP~~	~~PT. LOT 1, BLOCK 1-D, FLAGSTAFF TOWNSITE~~	~~35,500¢~~		~~112.5¢~~		~~35,387.5¢~~		4	DELETED 2-15-89				
3-350	THE CITY OF FLAGSTAFF, A MUNICIPAL CORPORATION	PT. LOTS 1 & 2, BLOCK 1-B, FLAGSTAFF TOWNSITE			544.5¢	164.0¢ T.C.E.			5					
~~3-351~~	~~CMW ENTERPRISES, A PARTNERSHIP~~	~~PT. LOT 12, BLOCK 6, FLAGSTAFF TOWNSITE~~	~~13,400¢~~		~~4.5¢~~		~~13,395.5¢~~		~~5~~	DELETED 2-15-89				
3-352	NORMAN G. & RAYMA L. SHARBER	PT. LOTS 5,6&8, BLOCK2, FLAGSTAFF TOWNSITE	13,400¢		50.0¢	400.0¢ T.C.E.	13,350.0¢		6					
3-353	FORREST W. & KATHRYN M. HULLS	PT. LOTS 12 & 13, BLOCK 1, FLAGSTAFF TOWNSITE PT. LOTS 1-4, BLOCK 2, FLAGSTAFF TOWNSITE (RAILROAD ADDITION) PT. OF ELDEN AVE. AS DESCRIBED IN CITY OF FLAGSTAFF ORD. #247, RECORDED IN BK. 7 OF PROMISCUOUS RECORDS, PAGE 453, C. C. R.	9,091¢		325.0¢	1,537.1¢ T.C.E.	8,766.0¢		6					
3-354	BABBITT FORD, INC., AN ARIZONA CORPORATION	PT. LOTS 6,7,8A, BLOCK 1, FLAGSTAFF TOWNSITE (RAILROAD ADDITION)				750.0¢ T.C.E.			6					
3-355	FRANK G. & FRANCES GARCIA	PT. LOTS 1-4, BLOCK 1, FLAGGSTAFF TOWNSITE (RAILROAD ADDITION) PT. LOTS 25,26, BLOCK A, FLAGSTAFF TOWNSITE (RAILROAD ADDITION)				1,800.0¢ T.C.E.			6					
3-356	A.T. & S.F. RAILWAY CO.	PT. OF SECTION 16, T. 21 N., R. 7 E., GILA AND SALT RIVER MERIDIAN				860¢ T.C.E.			5					
		PT. OF SECTION 16, T. 21 N., R. 7 E., GILA AND SALT RIVER MERIDIAN				700¢ DRAINAGE EASEMENT			5					
		PT. OF SECTION 22, T. 21 N., R. 7 E., GILA AND SALT RIVER MERIDIAN				4,000¢ DRAINAGE EASEMENT			8					

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	0-3-T-648	
HARD COPY	–	
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CHECKED\DATE	D.W.J.	11/88

ENTRANCO MANN JOHNSON, INC. ENGINEERS ENVIRONMENTAL SCIENTISTS PLANNERS

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE
PROJECT NO.: VLT-951-6-802
ROUTE: SR B 40
LOCATION: FLAGSTAFF STREETS (UNIT II)

REGISTERED PROFESSIONAL ENGINEER (CIVIL) 19322 MICHAEL W. CASTON 11-22-88 ARIZONA, U.S.A.

SHEET 2 OF 13

TRACS NO. H 1002 03R

___ OF ___

Click here for SR 40B Index

PLOT SCALE: 1 = 50 CADD NAME: VMAP

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	3	13	
		040B CN 195			

Click here for SR 40B Index

CHECKED BY.

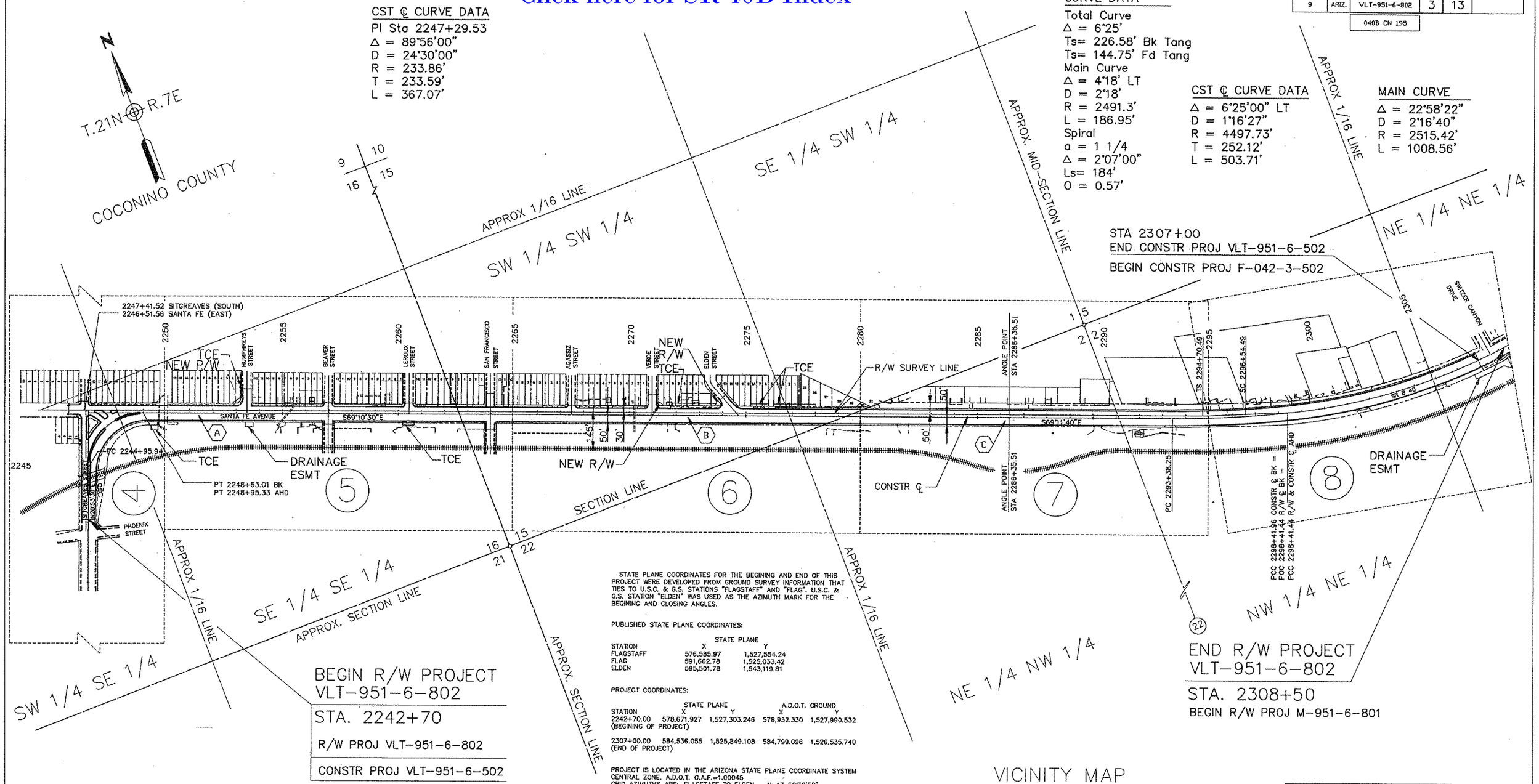
HARD COPY.

CST ℄ CURVE DATA
PI Sta 2247+29.53
Δ = 89°56'00"
D = 24°30'00"
R = 233.86'
T = 233.59'
L = 367.07'

R/W SURVEY LINE
CURVE DATA
Total Curve
Δ = 6°25'
Ts= 226.58' Bk Tang
Ts= 144.75' Fd Tang
Main Curve
Δ = 4°18' LT
D = 2°18'
R = 2491.3'
L = 186.95'
Spiral
a = 1 1/4
Δ = 2°07'00"
Ls= 184'
O = 0.57'

CST ℄ CURVE DATA
Δ = 6°25'00" LT
D = 1°16'27"
R = 4497.73'
T = 252.12'
L = 503.71'

MAIN CURVE
Δ = 22°58'22"
D = 2°16'40"
R = 2515.42'
L = 1008.56'



STATE PLANE COORDINATES FOR THE BEGINING AND END OF THIS PROJECT WERE DEVELOPED FROM GROUND SURVEY INFORMATION THAT TIES TO U.S.C. & G.S. STATIONS "FLAGSTAFF" AND "FLAG". U.S.C. & G.S. STATION "ELDEN" WAS USED AS THE AZIMUTH MARK FOR THE BEGINING AND CLOSING ANGLES.

PUBLISHED STATE PLANE COORDINATES:

STATION	STATE PLANE X	STATE PLANE Y
FLAGSTAFF	576,585.97	1,527,554.24
FLAG	591,662.78	1,525,033.42
ELDEN	595,501.78	1,543,119.81

PROJECT COORDINATES:

STATION	STATE PLANE X	STATE PLANE Y	A.D.O.T. GROUND X	A.D.O.T. GROUND Y
2242+70.00 (BEGINING OF PROJECT)	578,671.927	1,527,303.246	578,932.330	1,527,990.532
2307+00.00 (END OF PROJECT)	584,536.055	1,525,849.108	584,799.096	1,526,535.740

PROJECT IS LOCATED IN THE ARIZONA STATE PLANE COORDINATE SYSTEM CENTRAL ZONE. A.D.O.T. G.A.F.=1.00045
GRID AZIMUTHS ARE: FLAGSTAFF TO ELDEN – N AZ 50°32'58"
FLAG TO ELDEN – N AZ 11°59'01"

VICINITY MAP
SCALE: 1"=200'

200 100 0 200 400
GRAPHIC SCALE IN FEET

INDEX TO EXISTING R/W

INDEX	SUBDIVISION	SEC	TWP	R	ACQUIRED FROM	TYPE	BOOK	PAGE	WIDTH	YEAR	PARCEL #
(A)	FLAGSTAFF TOWNSITE	16	21N	7E	ESTABLISHED AS PUBLIC R/W		1 of MAPS	16, 16A	60'	1916	
(B)	FLAGSTAFF TOWNSITE (RAILROAD ADDITION)	15	21N	7E	ESTABLISHED AS PUBLIC R/W		1 of MAPS	7	60'	1916	
(C)	FEDERAL AID PROJECT No. 21-1st REOP.	22	21N	7E	UNRECORDED R/W MAP				100'	1937	

REVISIONS

C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-3-T-648	
HARD COPY	86-84-001T, 002T	
DRAWN\DATE	D.W.B.	11/88
CHECKED\DATE	D.W.J.	11/88

ENTRANCO MANN JOHNSON, INC. ENGINEERS ENVIRONMENTAL SCIENTISTS PLANNERS

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE
PROJECT NO. VLT-951-6-802

ROUTE: SR B 40
LOCATION: FLAGSTAFF STREETS (UNIT II)

19922 MICHAEL W. CASTON 11-17-88 ARIZONA, U.S.A.

SHEET 3 OF 13

TRACS NO. H1002 03R

OF

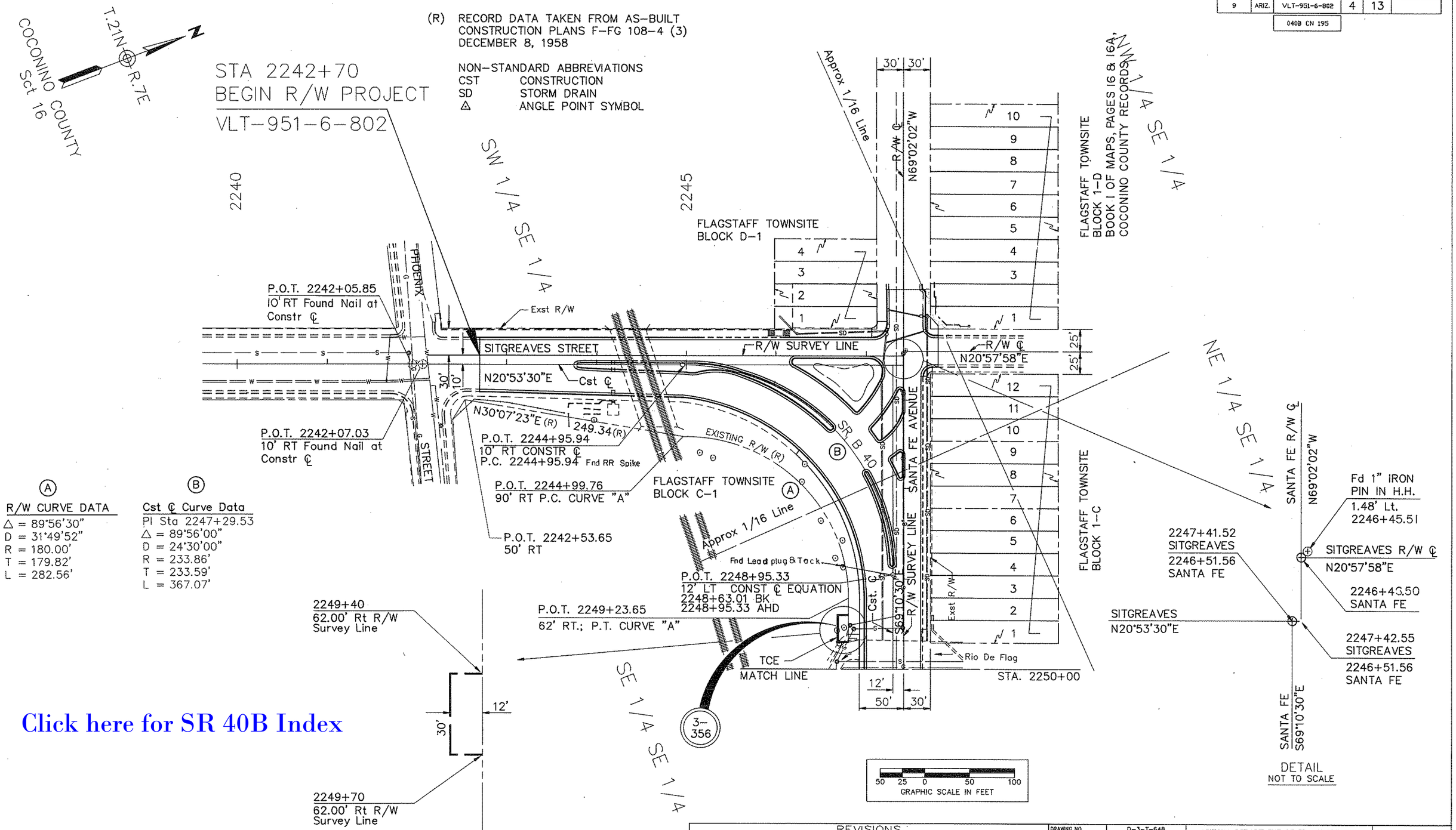
PLOT SCALE: 1 = 50 CADD NAME: PLAN1

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	4	13	
		040B CN 195			

NOTES: ALL STATION CALLS ARE R/W SURVEY LINE STATIONS UNLESS OTHERWISE INDICATED

(R) RECORD DATA TAKEN FROM AS-BUILT CONSTRUCTION PLANS F-FG 108-4 (3) DECEMBER 8, 1958

NON-STANDARD ABBREVIATIONS
CST CONSTRUCTION
SD STORM DRAIN
△ ANGLE POINT SYMBOL



Click here for SR 40B Index

Ⓐ R/W CURVE DATA

(R) △ = 89°56'30"
(R) D = 31°49'52"
(R) R = 180.00'
(R) T = 179.82'
(R) L = 282.56'

Ⓑ Cst ℄ Curve Data

PI Sta 2247+29.53
△ = 89°56'00"
D = 24°30'00"
R = 233.86'
T = 233.59'
L = 367.07'

DETAIL
NOT TO SCALE

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-3-T-648	
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DRAWN\DATE	D.W.B.	11/88
CHECKED\DATE	D.W.J.	11/88

ENTRANCO MANN JOHNSON, INC. ENGINEERS ENVIRONMENTAL SCIENTISTS PLANNERS

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE
PROJECT NO. VLT-951-6-802
ROUTE: SR B 40
LOCATION: FLAGSTAFF STREETS (UNIT II)

REGISTERED LAND SURVEYOR 19322 MICHAEL W. CASTON 11-13-88 ARIZONA, U.S.A.

SHEET 4 OF 13

TRACS NO. H 1002 03R

___ OF ___

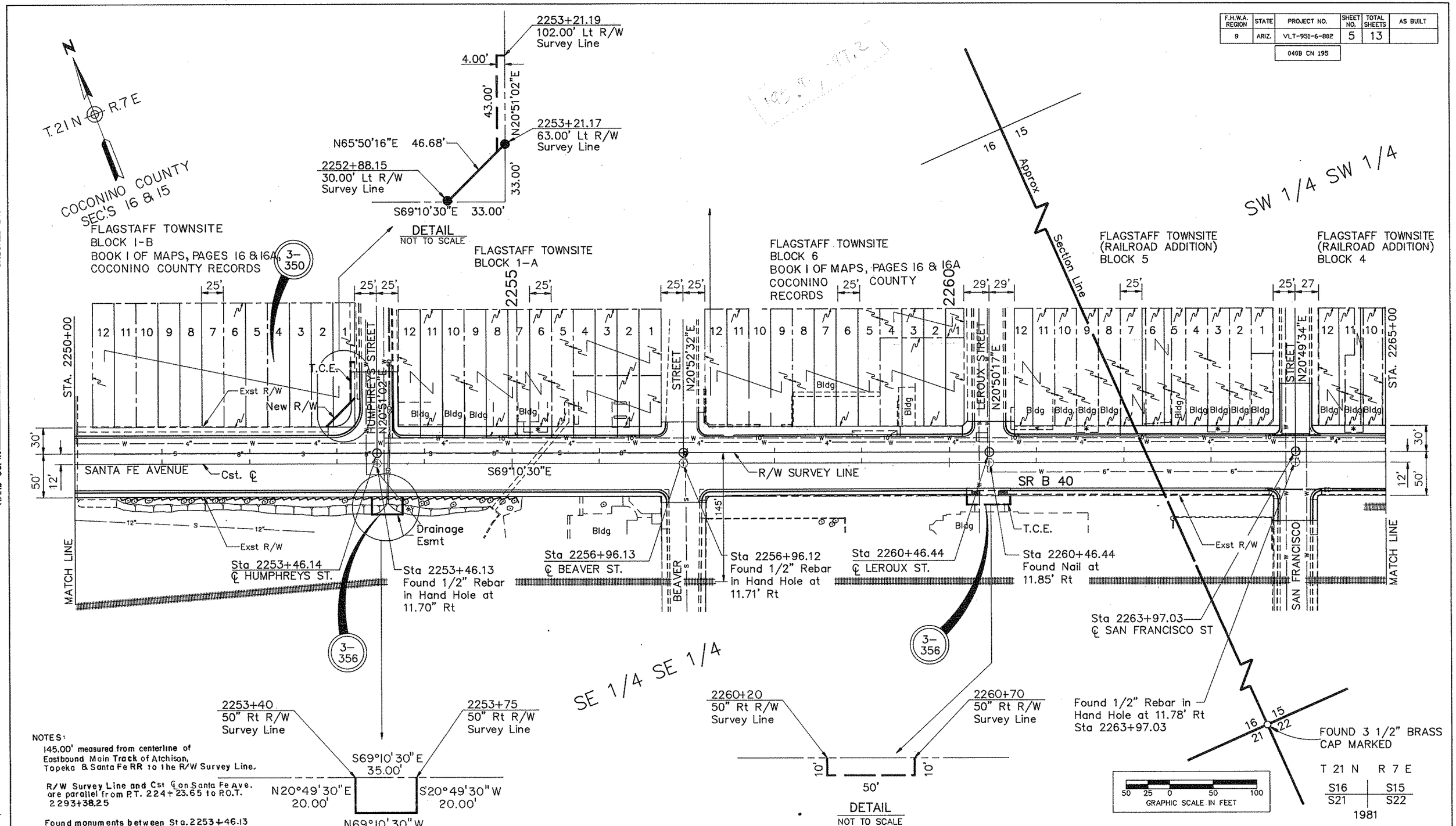
CHECKED BY. ____

HARD COPY. ____

PLOT SCALE: 1 = 50 CADD NAME: PLAN2

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	5	13	

040B CN 195



NOTES:

145.00' measured from centerline of Eastbound Main Track of Atchison, Topeka & Santa Fe RR to the R/W Survey Line.

R/W Survey Line and Cst ℄ on Santa Fe Ave. are parallel from P.T. 224+23.65 to P.O.T. 2293+38.25

Found monuments between Sta. 2253+46.13 and 2274+70.29 are not coincident with Cst. ℄.

* BUILDING OVERHANG

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-3-T-648	
HARD COPY	86-84-001T, 002T	
DRAWN\DATE	D.W.B.	11/88
CHECKED\DATE	D.W.J.	11/88

ENTRANCO MANN JOHNSON, INC.

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE

PROJECT NO. VLT-951-6-802

ROUTE: SR B 40

LOCATION: FLAGSTAFF STREETS (UNIT II)

REGISTERED LAND SURVEYOR 19322 MICHAEL W. CASTON 11-22-88 ARIZONA, U.S.A.

SHEET 5 OF 13

TRACS NO. H1002 03R

OF

CHECKED BY.

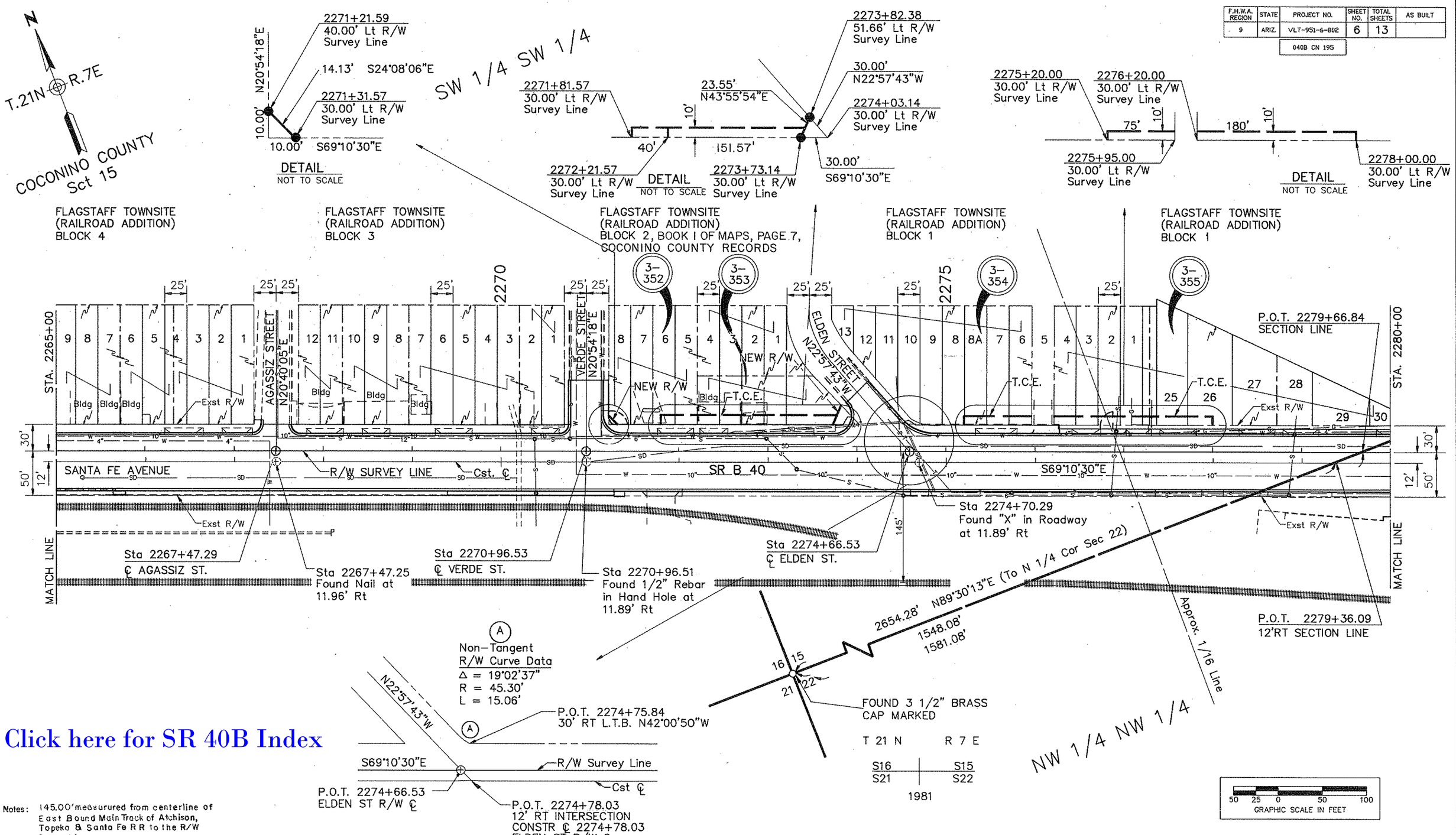
HARD COPY.

Click here for SR 40B Index

PLOT SCALE: 1 = 50 CADD NAME: PLAN3

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	6	13	

040B CN 195



Click here for SR 40B Index

Notes: 145.00' measurured from centerline of East Bound Main Track of Atchison, Topeka & Santa Fe R R to the R/W Survey Line.

R/W Survey Line and Cst. ℄ on Santa Fe Are parallel from P.T. 2249+23.65 to P.O.T. 2293+38.25

Found monuments between Sta. 2253+46.13 and sta. 2274+70.29 are not coincident with Cst. ℄.

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-3-T-648	
HARD COPY	86-84-001T, 002T	
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CHECKED\DATE	D.W.J.	11/88

ENTRANCO MANN JOHNSON, INC. ENGINEERS ENVIRONMENTAL SCIENTISTS PLANNERS

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE

PROJECT NO. VLT-951-6-802

ROUTE: SR B 40

LOCATION: FLAGSTAFF STREETS (UNIT II)

REGISTERED LAND SURVEYOR 19922 MICHAEL W. CASTON 11-22-88 ARIZONA, U.S.A.

SHEET 6 OF 13

TRACS NO. H 1002 03R

OF

CHECKED BY.

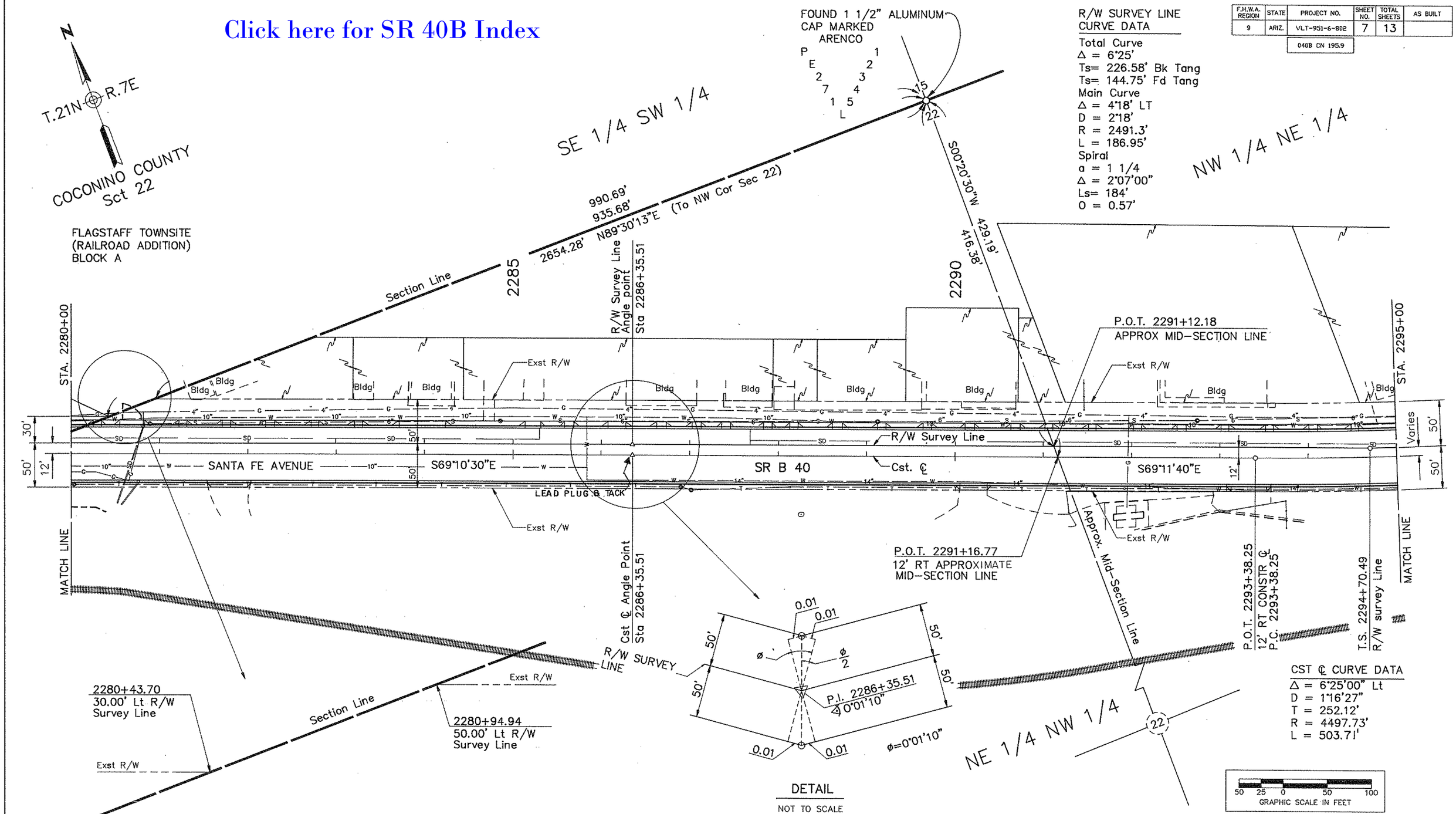
HARD COPY.

PLOT SCALE: 1 = 50 CADD NAME: PLAN4

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	7	13	

040B CN 195.9

Click here for SR 40B Index



CST ℄ CURVE DATA
Δ = 6°25'00" Lt
D = 1°16'27"
T = 252.12'
R = 4497.73'
L = 503.71'

R/W SURVEY LINE CURVE DATA
Total Curve
Δ = 6°25'
Ts= 226.58' Bk Tang
Ts= 144.75' Fd Tang
Main Curve
Δ = 4°18' LT
D = 2°18'
R = 2491.3'
L = 186.95'
Spiral
a = 1 1/4
Δ = 2°07'00"
Ls= 184'
O = 0.57'

DETAIL
NOT TO SCALE

DETAIL
NOT TO SCALE

* BUILDING OVERHANG

REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

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DRAWN\DATE	D.W.B.	11/88
CHECKED\DATE	D.W.J.	11/88

ENTRANCO MANN JOHNSON, INC.
ENGINEERS ENVIRONMENTAL SCIENTISTS

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE
PROJECT NO. VLT-951-6-802
ROUTE: SR B 40
LOCATION: FLAGSTAFF STREETS (UNIT II)

REGISTERED LAND SURVEYOR
19322
MICHAEL W. CASTON
11-22-88
ARIZONA, U.S.A.

SHEET 7 OF 13

TRACS NO. H 1002 03R

OF

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PLOT SCALE: 1 = 50 CADD NAME: PLAN5

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	VLT-951-6-802	8	13	

040B CN 195

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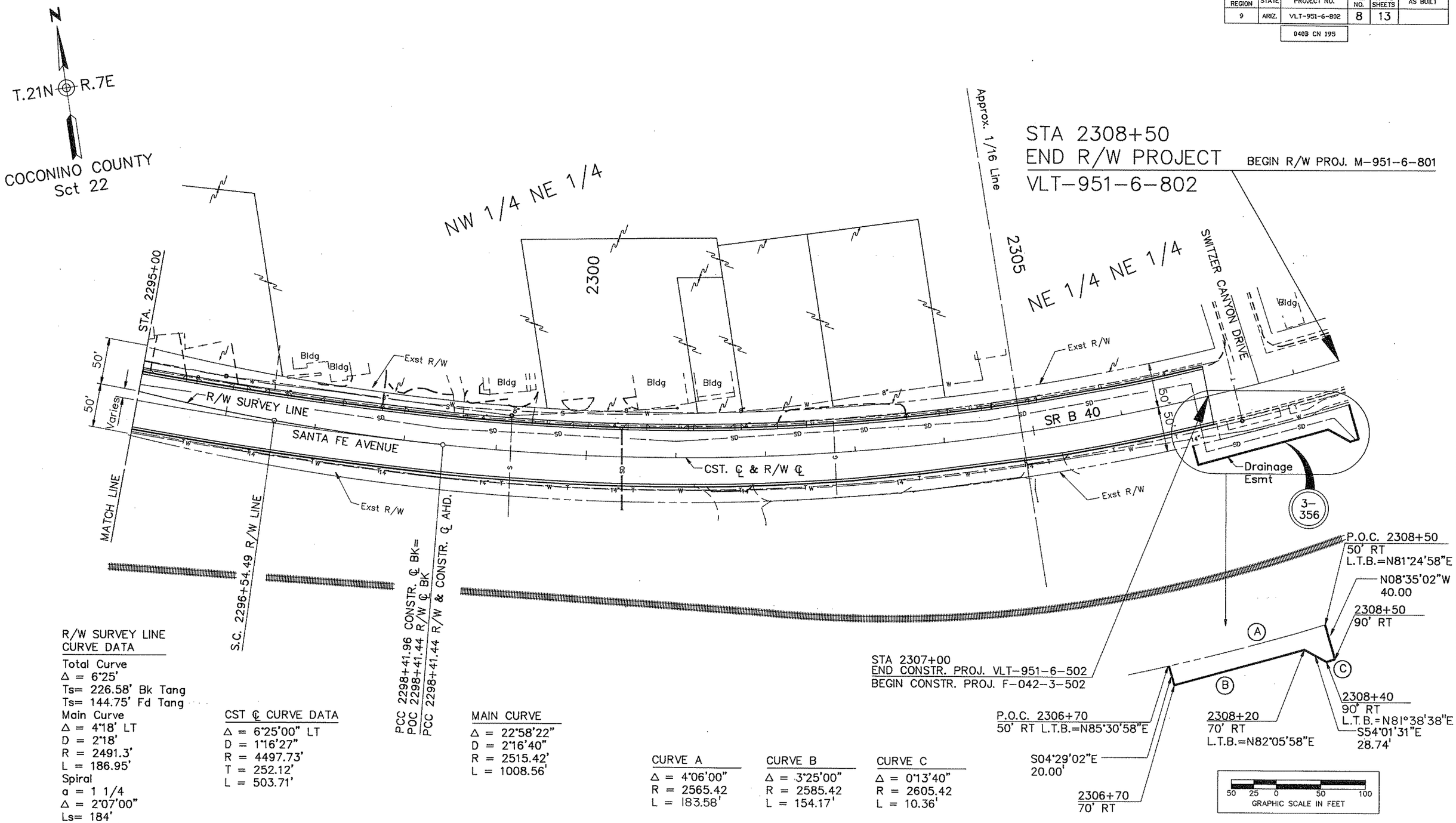
HARD COPY.



R/W SURVEY LINE
CURVE DATA

Total Curve
Δ = 6°25'
Ts= 226.58' Bk Tang
Ts= 144.75' Fd Tang
Main Curve
Δ = 4°18' LT
D = 2°18'
R = 2491.3'
L = 186.95'
Spiral
a = 1 1/4
Δ = 2°07'00"
Ls= 184'
O = 0.57'

CST ℄ CURVE DATA
Δ = 6°25'00" LT
D = 1°16'27"
R = 4497.73'
T = 252.12'
L = 503.71'

MAIN CURVE
Δ = 22°58'22"
D = 2°16'40"
R = 2515.42'
L = 1008.56'

CURVE A
Δ = 4°06'00"
R = 2565.42
L = 183.58'

CURVE B
Δ = 3°25'00"
R = 2585.42
L = 154.17'

CURVE C
Δ = 0°13'40"
R = 2605.42
L = 10.36'

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REVISIONS			
C.O. NO.	DATE	BY	DESCRIPTION

DRAWING NO.	D-3-T-648	
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ENTRANCO MANN JOHNSON, INC.
ENGINEERS ENVIRONMENTAL SCIENTISTS PLANNERS

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
RIGHT OF WAY PLANS SERVICES

HIGHWAY: FLAGSTAFF BUSINESS ROUTE
PROJECT NO. VLT-951-6-802

ROUTE: SR B 40
LOCATION: FLAGSTAFF STREETS (UNIT II)

REGISTERED LAND SURVEYOR
19320
MICHAEL W. CASTON
11-22-88
ARIZONA, U.S.A.

SHEET 8 OF 13

TRACS NO. H 1002 03R

OF