



Herbert Begay

09/23/2003 05:06
PM

To: David Smith/PHOENIX/BIA/DOI, Scott
Schmidgall/PHOENIX/BIA/DOI,

cc:

cc:

Subject: Route 60 North Low Mt. R.O.W

Return receipt

Dave,

Here's the result's of the center alignment changed to avoid an archaeological site on the Low Mountain Road and has been cleared by the Hopi Tribal Archaeologist on 09-22-03. Curve number 04 was adjusted and ended with two additional curves to get back on line going North as follows:

Curve Number 04: Old PC station 183+34.22 and PT station 209+82.22 (original R.O.W).

New Curve Number 04: Angle: 08 degrees 58 minutes 00 seconds left

Degree: 01 degrees 00 minutes 00 seconds

Radius: 5729.578 feet

Length: 896.667 feet

Cord: 895.752 feet

Tangent: 449.251 feet

External: 17.586 feet

P.C: Station 171+50.75

P.I: Station 176+00.00

P.T: Station 180+47.42

Curve Number 04-A: Angle: 18 degrees 16 minutes 53 seconds right

D: 02 degrees 00 minutes 00 seconds

R: 2864.789 feet

L: 914.069 feet

C: 910.197 feet

T: 460.952 feet

E: 36.847 feet

PC: 183+50.02

PI : 188+10.969

PT: 192+64.09

Curve Number 04-B: Angle: 02 degrees 43 minutes 00 seconds left

D: 00 degrees 30 minutes 00 seconds

R: 11459.156 feet

L: 543.333 feet

C: 543.282 feet

T: 271.718 feet

E: 03.221 feet

PC: 204+07.35

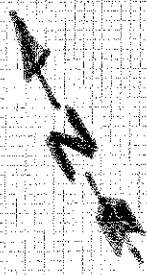
PI : 206+79.068

Equation PT AHD: 209+23.638 Bearing ahead N 45 degrees 16 minutes 04 seconds E

BK: 209+50.676

I'll fax the drawing with Dave Thompson's field notes to you tomorrow (09-24-03). We are lucky we don't have to do data recovery for this site and went with alignment changed. Please check and let me know how this checks out. The clearances has been made through full 13 miles with 100 feet on each side of center line.

T.23-03



CURVE DATA
 $\Delta = 2^{\circ}43'00''$ Lt.
 $D = 0^{\circ}30'00''$
 $R = 11459.154$
 $L = 543.333$
 $C = 543.282$
 $T = 271.718$
 $EXT = 3.221$
 $PC = 204+07.35$
 $PI = 206+77.068$

PT (OLD)

NEW EQUATION P.T.

PI

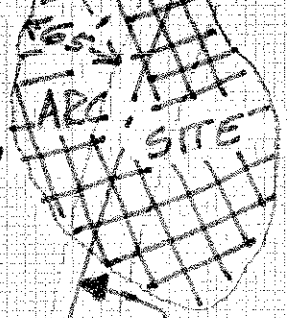
09/19/03
 Drawn by: DXT
 Drawing Not to Scale

P.T. EQUA = AHD 209+23.638
 BK 208+50.676

New Alignment w/50 R/W

EXISTING ROADWAY

Old Alignment



CURVE DATA
 $\Delta = 18^{\circ}16'53''$ Rt.
 $D = 2^{\circ}00'00''$
 $R = 2864.789$
 $L = 914.069$
 $C = 910.197$
 $T = 460.952$
 $EXT = 36.847$
 $PC = 183+50.02$
 $PI = 188+10.969$
 $PT = 192+64.09$

PI

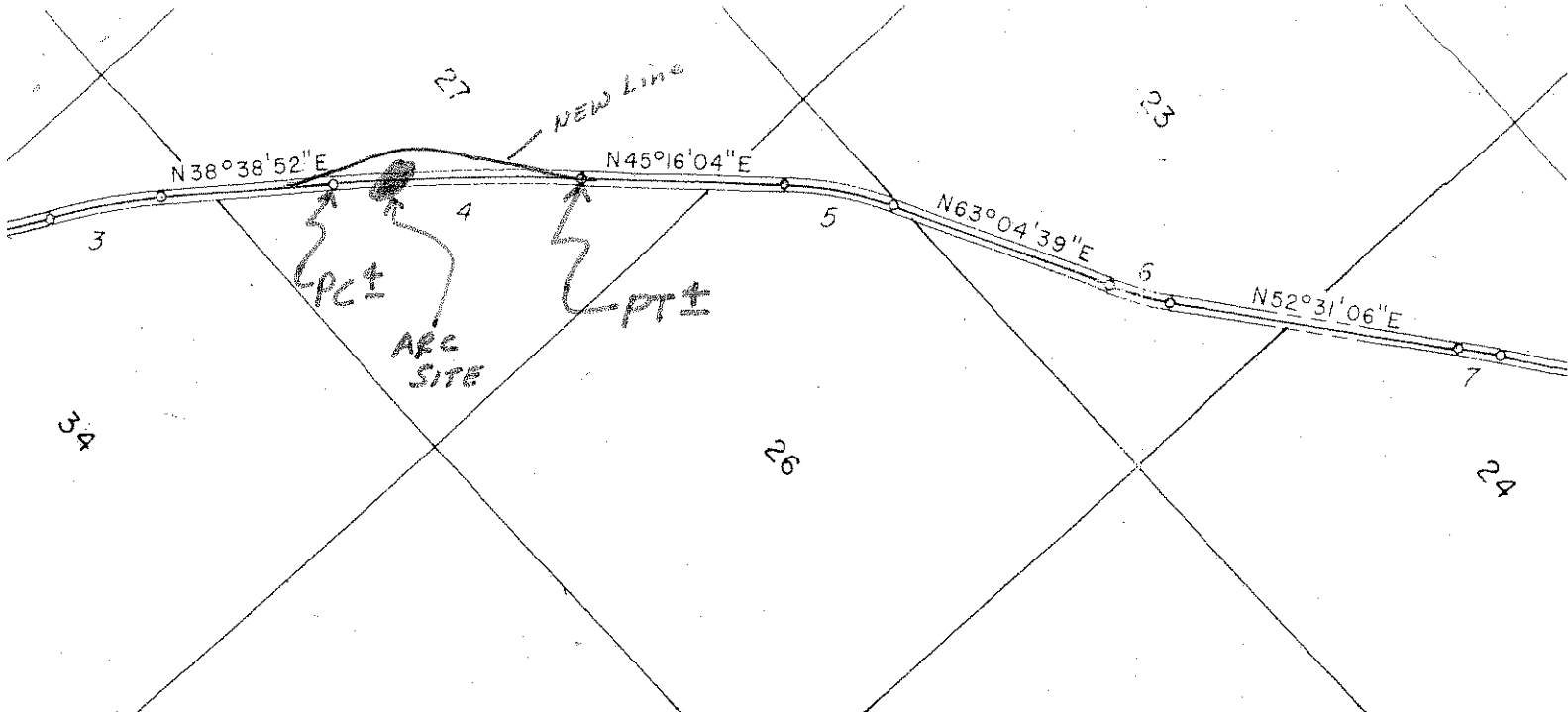
PC (OLD)

CURVE DATA
 $\Delta = 8^{\circ}58'00''$ Lt.
 $D = 1^{\circ}00'00''$
 $R = 5729.578$
 $L = 896.667$
 $C = 895.752$
 $T = 449.251$
 $EXT = 17.586$
 $PC = 171+50.75$
 $PI = 176+00$
 $PT = 180+47.92$

PI

NOTE: CURVE 4 Data
~~Eliminated due to Arc site.~~
 Eliminated due to Arc site.

PRINTED ON 10 1/2" X 14" INCH



CURVE NO.	Δ	D	T	L	PC	PT
1	19° 20' 06" LT	2°00' 00"	488.02'	963.75'	4+05.35	13+72.10
2	35° 27' 32" RT.	2°00' 00"	915.89'	1772.95'	34+02.63	51+57.58
3	11° 52' 50" RT.	1°00' 00"	596.17'	1183.06'	153+16.19	165+04.25
4	6° 37' 12" RT.	0°15' 00"	1325.47'	2643.00'	183+34.22	209+82.22
5	17° 48' 35" RT.	1°30' 00"	598.48'	1187.32'	231+41.86	243+29.18
6	10° 33' 33" LT.	1°30' 00"	352.97'	703.94'	267+45.76	274+49.70
7	1° 04' 39" RT.	0°15' 00"	215.51'	431.00'	304+58.82	308+89.82
8	1° 24' 00" LT.	0°15' 00"	280.01'	560.00'	338+14.81	343+74.81
9	20° 05' 58" RT.	4°00' 00"	253.85'	507.49'	409+28.29	414+30.78
10	4° 41' 48" LT.	2°00' 00"	117.48'	234.83'	423+29.11	425+63.94
11	13° 06' 15" LT.	2°00' 00"	329.04'	658.21'	454+42.36	460+97.57
12	7° 20' 47" RT.	2°00' 00"	183.91'	367.32'	485+78.96	489+46.28
13	2° 53' 47" LT.	0°15' 00"	579.40'	1158.56'	502+58.51	514+17.07

PL 01111-2313



Hopi Indian Agency

Branch of Roads

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*Route 60N
file*

"Construction & Maintenance Operations"

FAX TRANSMITTAL

DATE: 9-24-03

TO: Kaul Smith, WRO Roads

FAX NO.: 602/379-3837

TELEPHONE NO.: 602/379-6782

MESSAGE: _____

FYI

No. of Pages (Incl. Cover): 4

Original Copies sent via Mail this Date: _____

REPLY TO THE ATTENTION OF:

NAME: Carlotta J. Hayah

TELEPHONE NO.: 928/738-2220