

MILL CREEK & CURVE DATA

Radius	Arc	Chord	Ch Bearing
A 174.29	200.27	189.43	N84°40'06"E
B 235.06	601.24	530.93	N70°10'13"E
C 1129.17	243.17	242.70	N82°25'13"E
D 622.35	361.20	356.16	S87°07'23"E
E 296.94	222.81	217.62	N88°00'29"E
F 155.57	139.77	135.12	N40°46'25"E
G 332.01	422.25	394.36	N51°28'09"E

NARRATIVE

The purpose of this survey was to establish the boundaries of parcels lying South of the Old Waila Waila City pipeline in the North half of Section 21. These parcels had been subdivided by the Blue Mountain Flume Co. in the 1920's however, no pins were set, the subdivision was on paper only and was never filed. The Monument No. 1, that all the descriptions referred to was supposedly 1764 feet South and 1891.2 feet East of the quarter corner to Sections 17 and 20, T6N, R38E. Several of the older residents of Mill Creek remember Monument No. 1 but they disagree as to its location. The quarter corner is also gone and an extensive resurvey by the Bureau of Land Management suggests that it may never have been there.

In order to establish control in the East-West direction, I tied to the fences as shown. Several of these were old fences that trees had grown around and were at least 50 years old. I held the fence on the West side of the project as it was the oldest and seemed to have had the least chance to have been disturbed. The deed distances have been held. This firm in 1985 did a survey for Umatilla County establishing the right-of-way of Mill Creek Road as shown.

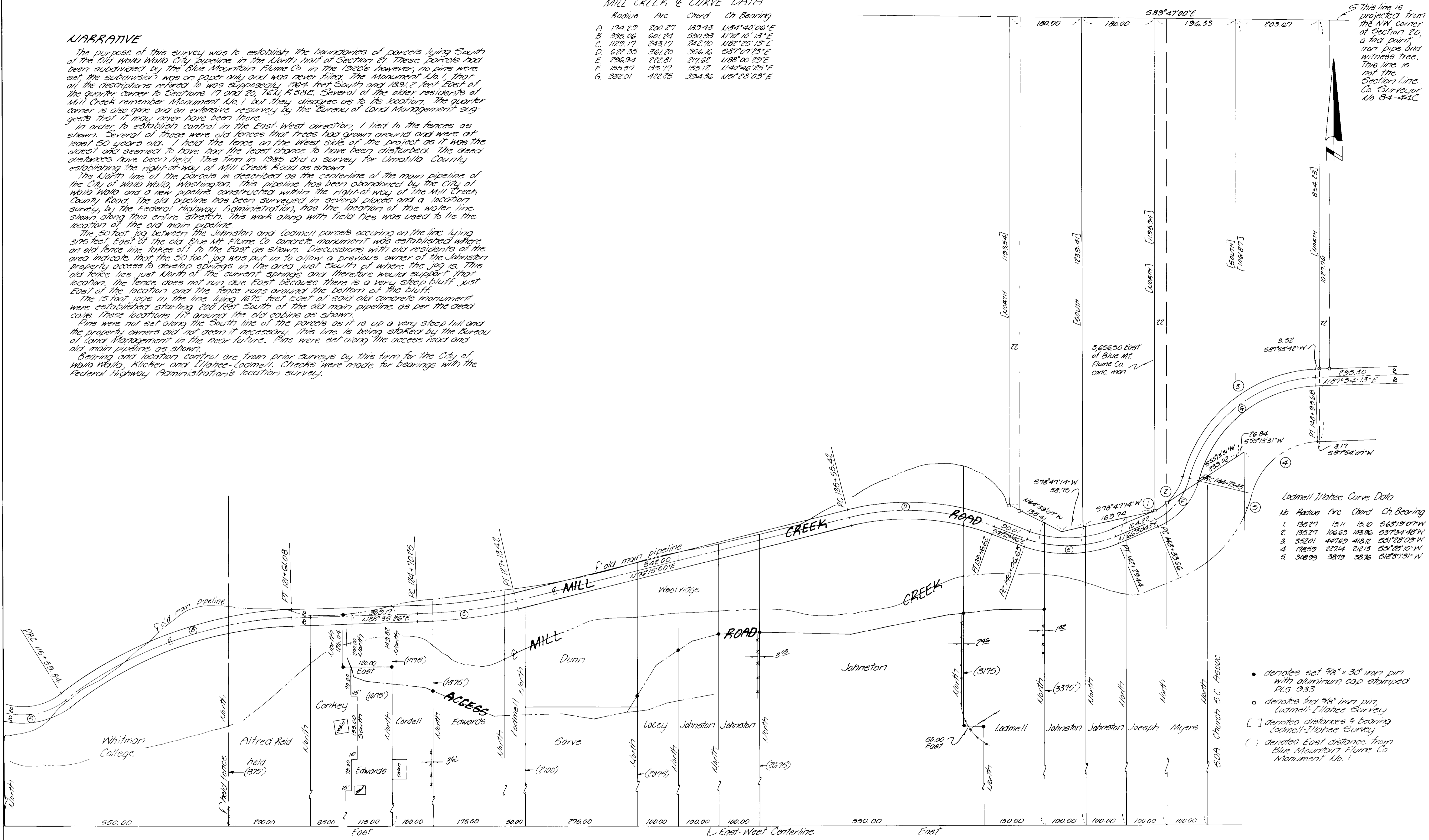
The North line of the parcels is described as the centerline of the main pipeline of the City of Waila Waila, Washington. This pipeline has been abandoned by the City of Waila Waila and a new pipeline constructed within the right-of-way of the Mill Creek County Road. The old pipeline has been surveyed in several places and a location survey, by the Federal Highway Administration, has the location of the water line shown along this entire stretch. This work along with field ties was used to tie the location of the old main pipeline.

The 50 foot jog between the Johnstons and Ladmell parcels occurring on the line lying 315 feet East of the old Blue Mt Flume Co. concrete monument was established where an old fence line takes off to the East as shown. Discussions with old residents of the area indicate that the 50 foot jog was put in to allow a previous owner of the Johnstons property access to develop springs in the area just South of where the jog is. This old fence lies just North of the current springs and therefore would support that location. The fence does not run due East because there is a very steep bluff just East of the location and the fence runs around the bottom of the bluff.

The 15 foot jogs in the line lying 1675 feet East of said old concrete monument were established starting 200 feet South of the old main pipeline as per the deed calls. These locations fit around the old cabins as shown.

Pins were not set along the South line of the parcels as it is up a very steep hill and the property owners did not deem it necessary. This line is being staked by the Bureau of Land Management in the near future. Pins were set along the access road and old main pipeline as shown.

Bearing and location control are from prior surveys by this firm for the City of Waila Waila, Kitcher and Waihee-Ladmell. Checks were made for bearings with the Federal Highway Administration's location survey.



This line is projected from the NW corner of Section 20, a 1nd point, iron pipe and witness tree. This line is not the Section Line. Co Surveyor No. 84-44C

Ladmell-Ilohee Curve Data

No.	Radius	Arc	Chord	Ch Bearing
1	135.27	15.11	15.10	S63°19'07"W
2	135.27	106.69	103.96	S37°34'48"W
3	332.01	447.69	418.12	S51°28'09"W
4	178.59	227.14	212.15	S51°28'10"W
5	308.99	387.9	387.6	S18°57'31"W

- denotes set 5/8" x 30" iron pin with aluminum cap stamped PLS 933
- denotes 1nd 5/8" iron pin, Ladmell-Ilohee Survey
- [] denotes distances & bearing Ladmell-Ilohee Survey
- () denotes East distance from Blue Mountain Flume Co Monument No. 1

KRUMBEIN ENGINEERING LTD. ENGINEERS - SURVEYORS - PLANNERS 361 S.E. Second Pendleton, Oregon	Scale 1"=200'	Drn By M.C.D.	Drng No. E.P. 1	Revision 1
	Date 11/1/90	Chk By D.H.	Job No. 90-150	Revision 2
Survey for UPPER MILL CREEK ASSOC.		REGISTERED PROFESSIONAL LAND SURVEYOR DAVID H. KRUMBEIN	RELATIVELY BY Umatilla County Surveyor Date: 1-91 No. 91-009-C	