

# **APPENDIX 'A'**

# **GEOTECHNICAL REPORT**

## Memorandum

To Kevin Rae Page 1

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CC

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Subject Jubilee Mill and Fill

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From Stephen Petsche

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Date December 18, 2009 60143498

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On December 16, 2009, a total of seventeen (17) cores were recovered from the eastbound and westbound lanes of Jubilee Avenue between Pembina Highway and Osborne Street. The purpose of the coring program was to determine the thickness of the asphalt pavement only. Upon the recovery of the cores in the field, it was noted that there was concrete pavement below the asphalt with the exception of Cores #11 and 12 (Westbound Jubilee Avenue, in front of house #753). At these locations, the full depth of pavement consisted of asphalt only. Core #1 was damaged during the removal of the core. After the entire core was recovered from the location, the full depth was measured and there were no issues with the quality of the asphalt in the pavement structure.

The depth of the core samples can be found in the attached Pavement Coring Report, along with photographs of the cores and a detailed drawing of the core locations.

If you have any questions, please call.

Sincerely,



Stephen Petsche, C.E.T.  
Coordinator, Lab and Technical Services

Attach.

## Pavement Coring Report

JOB No.: 60143498  
 CLIENT: City of Winnipeg Public Works  
 PROJECT: Jubilee Mill and Fill

DATE CORED: December 16, 2009  
 CORED BY: Spetsche

GENERAL LOCATION: Jubilee Avenue between Pembina Highway and Osborne Street

CORE No.	TEST LOCATION	Thickness (mm)		
		Asphalt	Concrete	Total
1	Eastbound Median Lane; Between 816 and 820 Jubilee Ave., Centre of Lane	125	-	-
2	Eastbound Curb Lane; Between 816 and 820 Jubilee Ave., Centre of Lane	105	-	-
3	Eastbound Median Lane; Between 692 and 696 Jubilee Ave., Centre of Lane	55	-	-
4	Eastbound Curb Lane; Between 692 and 696 Jubilee Ave., Centre of Lane	43	-	-
5	Eastbound Median Lane; Between 564 and 568 Jubilee Ave., Centre of Lane	64	-	-
6	Eastbound Curb Lane; Between 564 and 568 Jubilee Ave., Centre of Lane	63	-	-
7	Eastbound Median Lane; In front of 478 Jubilee Ave., Centre of Lane	64	-	-
8	Eastbound Curb Lane; In front of 478 Jubilee Ave., Centre of Lane	57	-	-

Notes:



MATERIALS LABORATORY  
 AECOM  
 99 Commerce Drive, Winnipeg, MB R3P 0Y7 Canada  
 tel (204) 477-5381 fax (204) 284-2040

## Pavement Coring Report

JOB No.: 60143498  
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GENERAL LOCATION: Jubilee Avenue between Pembina Highway and Osborne Street

CORE No.	TEST LOCATION	Thickness (mm)		
		Asphalt	Concrete	Total
9	Westbound Median Lane; Between 855 and 857 Jubilee Ave., Centre of Lane	138	-	-
10	Westbound Curb Lane; Between 855 and 857 Jubilee Ave., Centre of Lane	110	-	-
11	Westbound Median Lane; In front of 753 Jubilee Ave., Centre of Lane	265	-	265
12	Westbound Curb Lane; In front of 753 Jubilee Ave., Centre of Lane	220	-	220
13	Westbound Median Lane; Between 629 and 631 Jubilee Ave., Centre of Lane	64	-	-
14	Westbound Curb Lane; Between 629 and 631 Jubilee Ave., Centre of Lane	35	-	-
15	Westbound Median Lane; Between 497 and 511 Jubilee Ave., Centre of Lane	45	-	-
16	Westbound Curb Lane; Between 497 and 511 Jubilee Ave., Centre of Lane	35	-	-
17	Westbound Curb Lane; 15 m West of Osborne St., Centre of Lane	65	-	-

Notes:

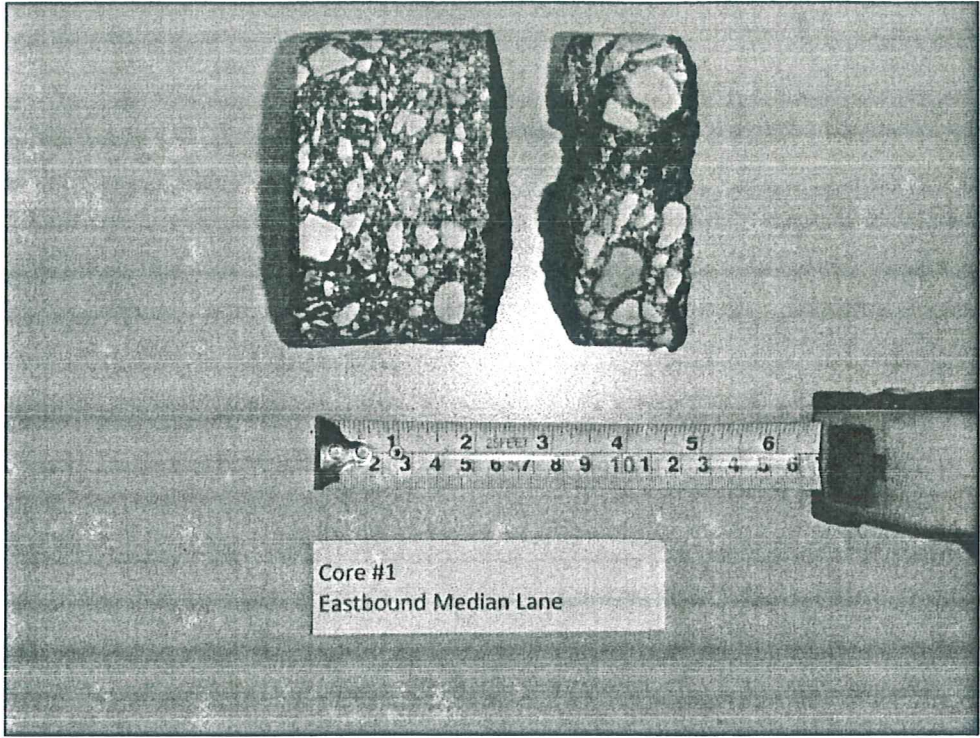


MATERIALS LABORATORY

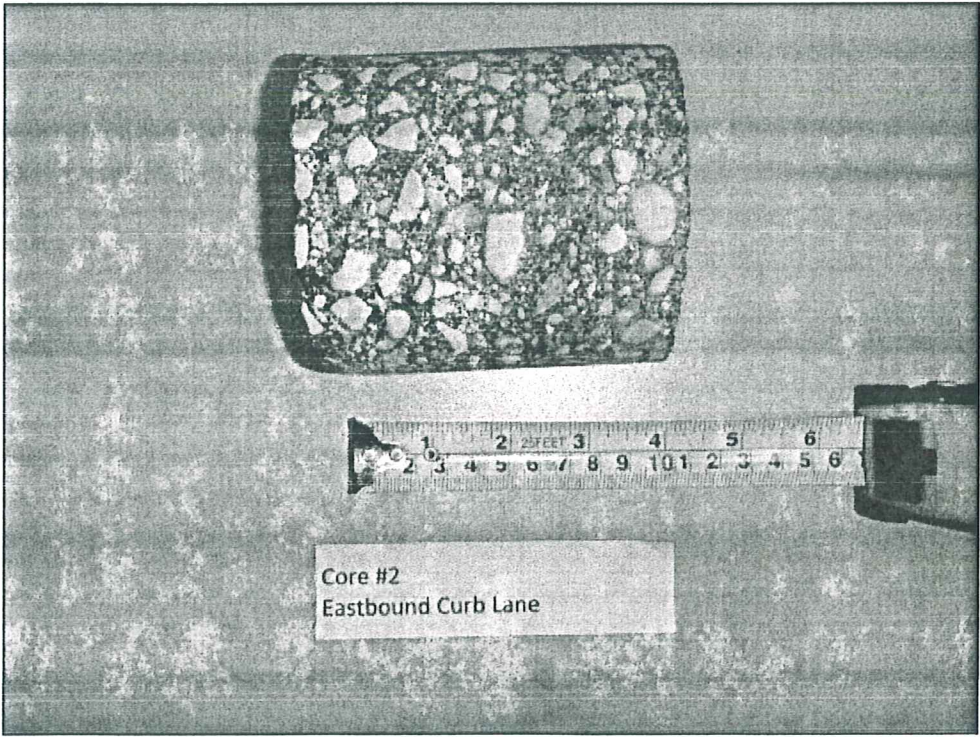
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99 Commerce Drive, Winnipeg, MB R3P 0Y7 Canada  
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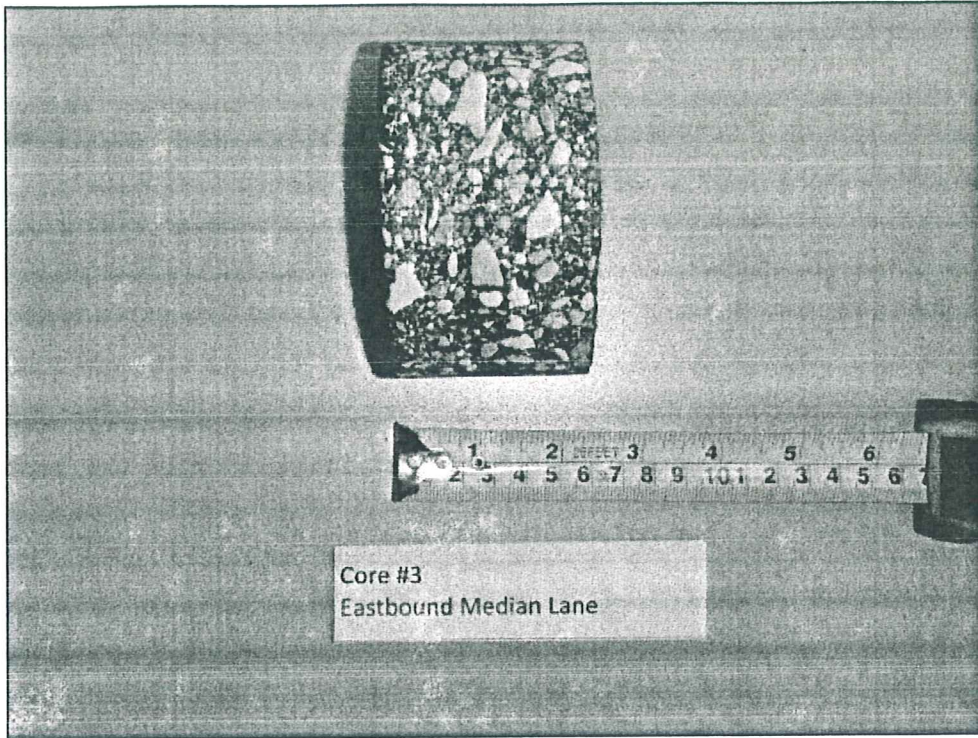


**Photograph 1. Between 816 and 820 Jubilee Avenue**

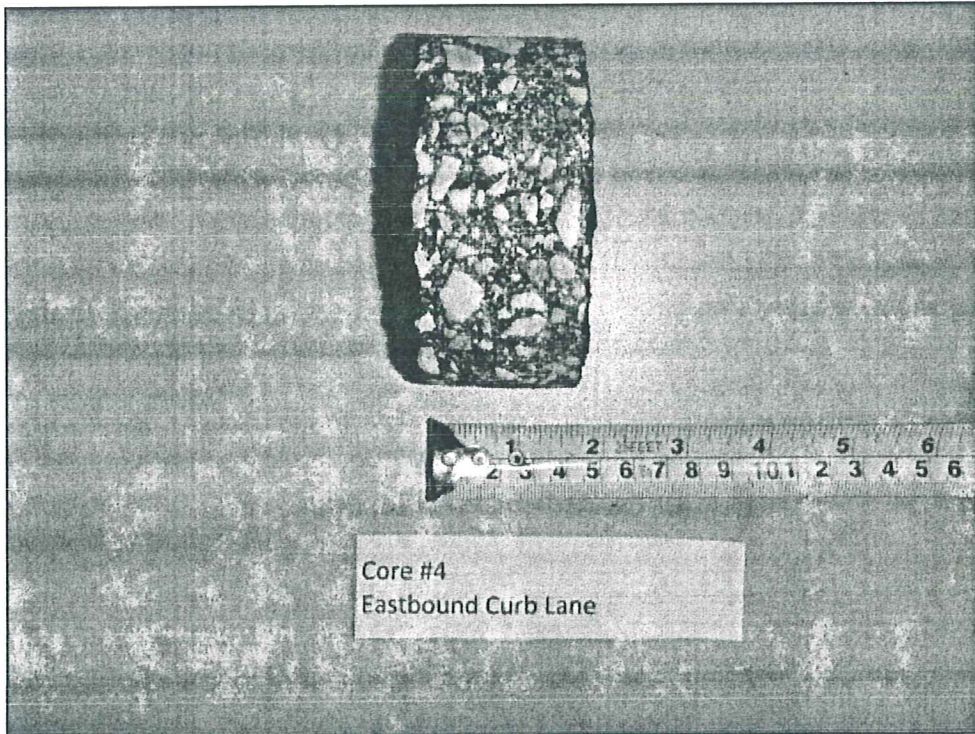


**Photograph 2. Between 816 and 820 Jubilee Avenue**



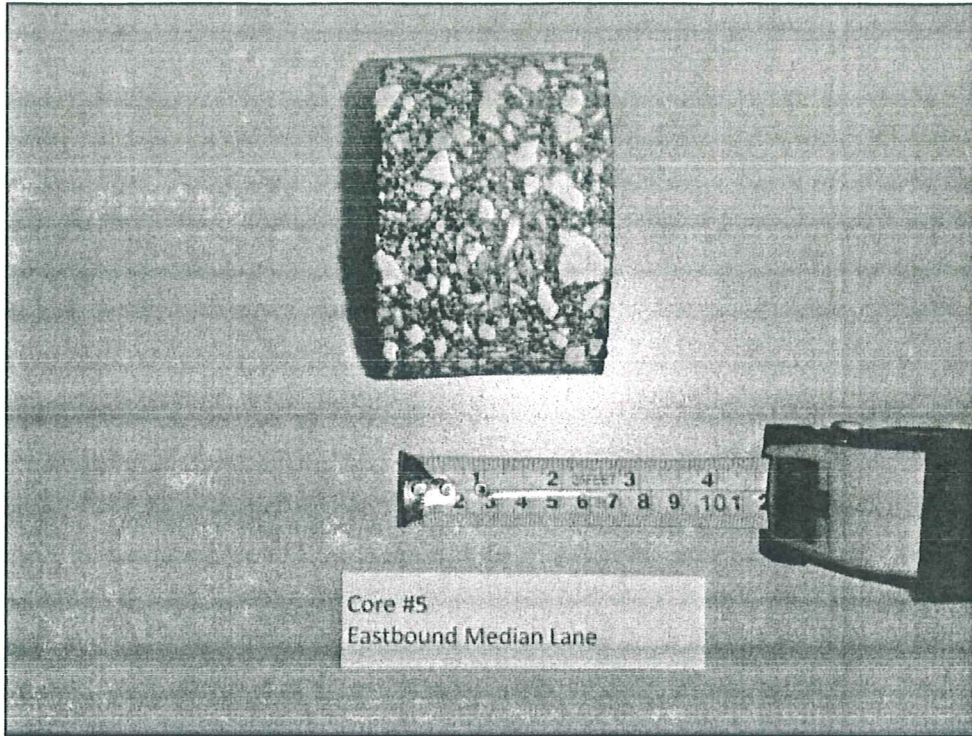


**Photograph 3. Between 692 and 696 Jubilee Avenue**

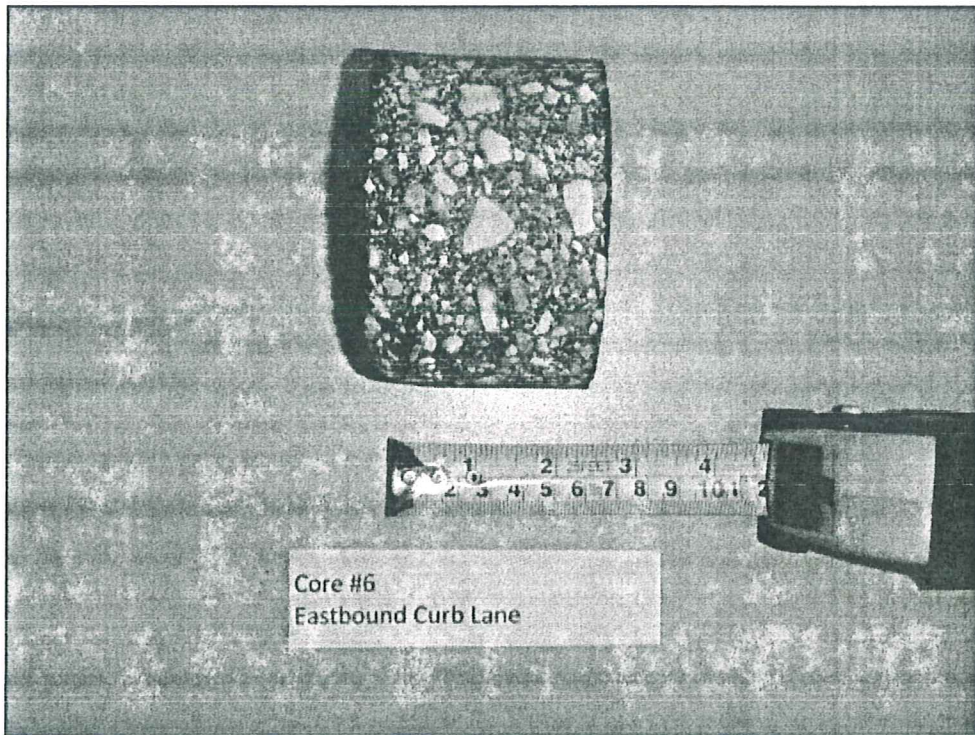


**Photograph 4. Between 692 and 696 Jubilee Avenue**



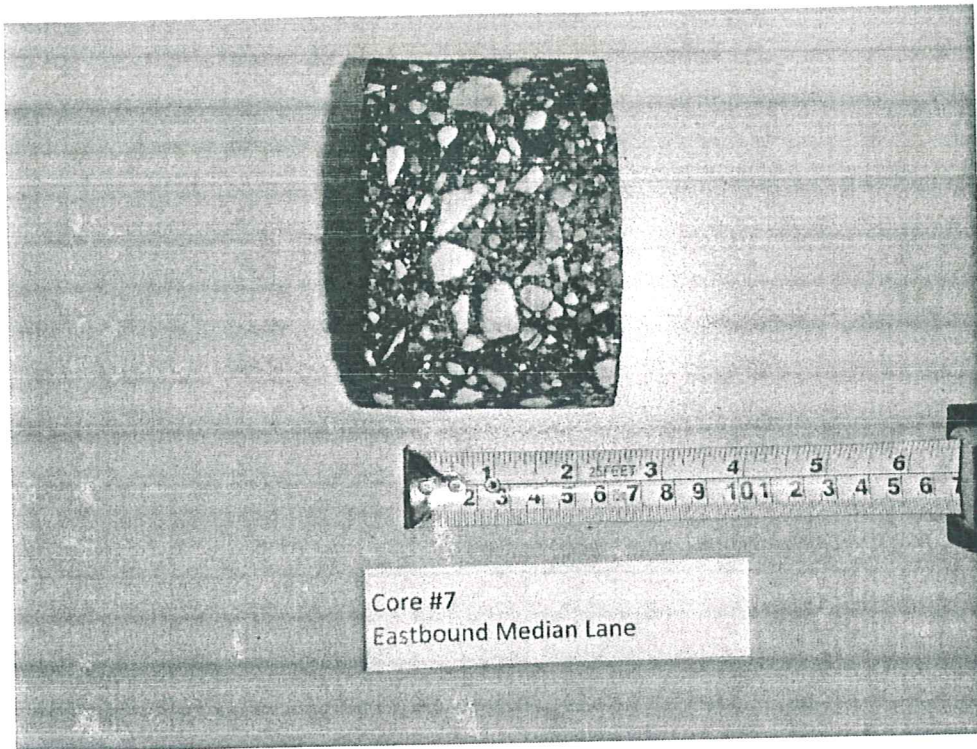


**Photograph 5. Between 564 and 568 Jubilee Avenue**

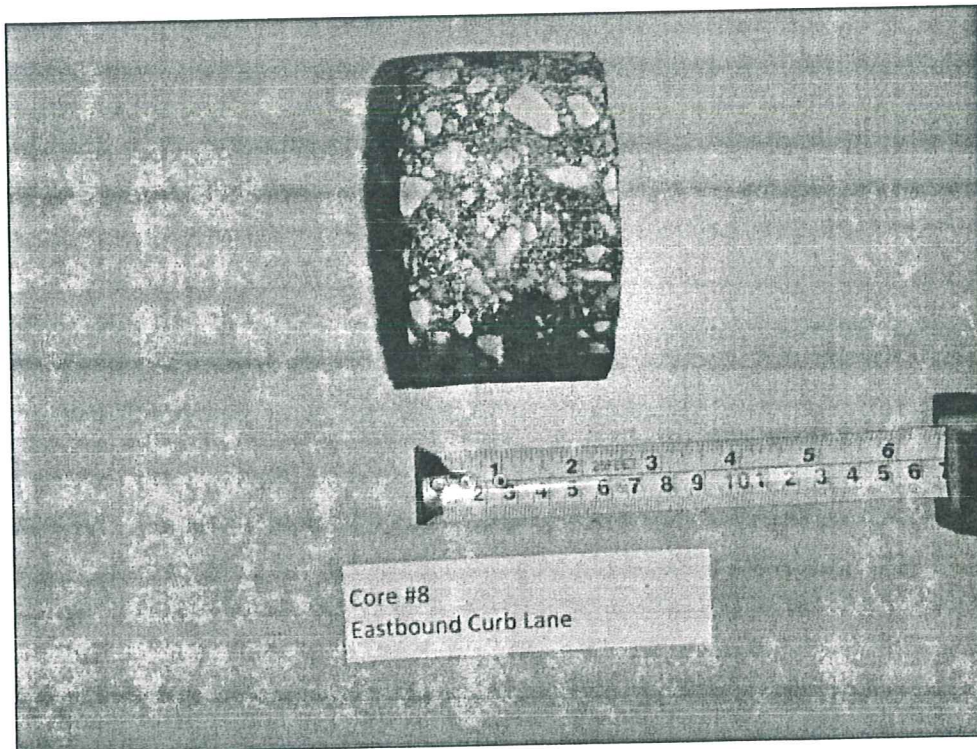


**Photograph 6. Between 692 and 696 Jubilee Avenue**



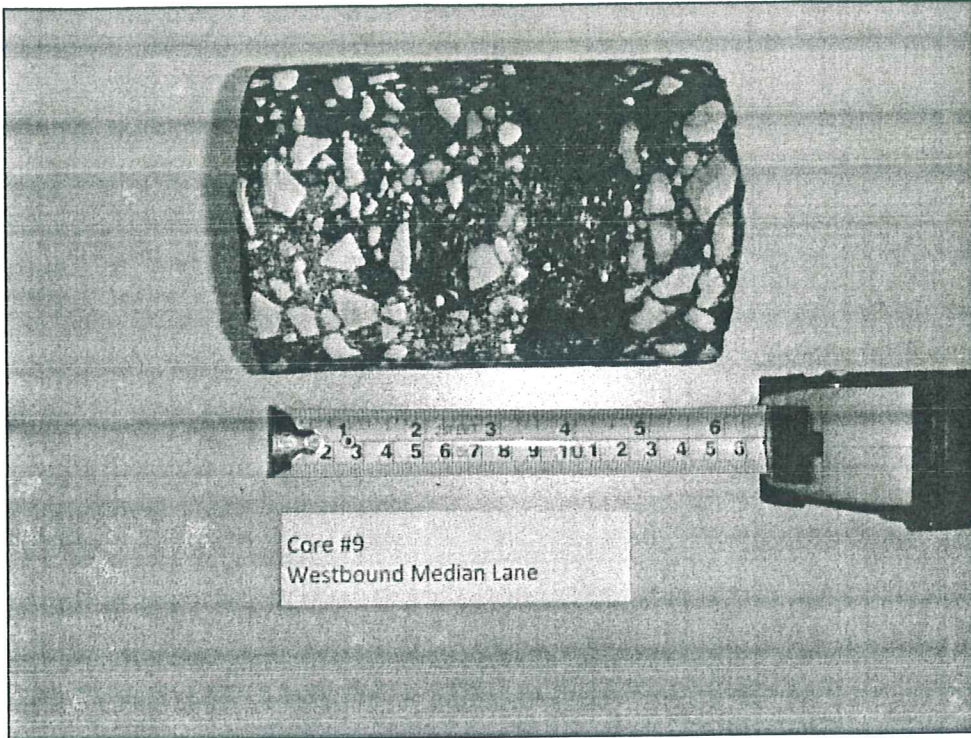


**Photograph 7. In front of 478 Jubilee Avenue**

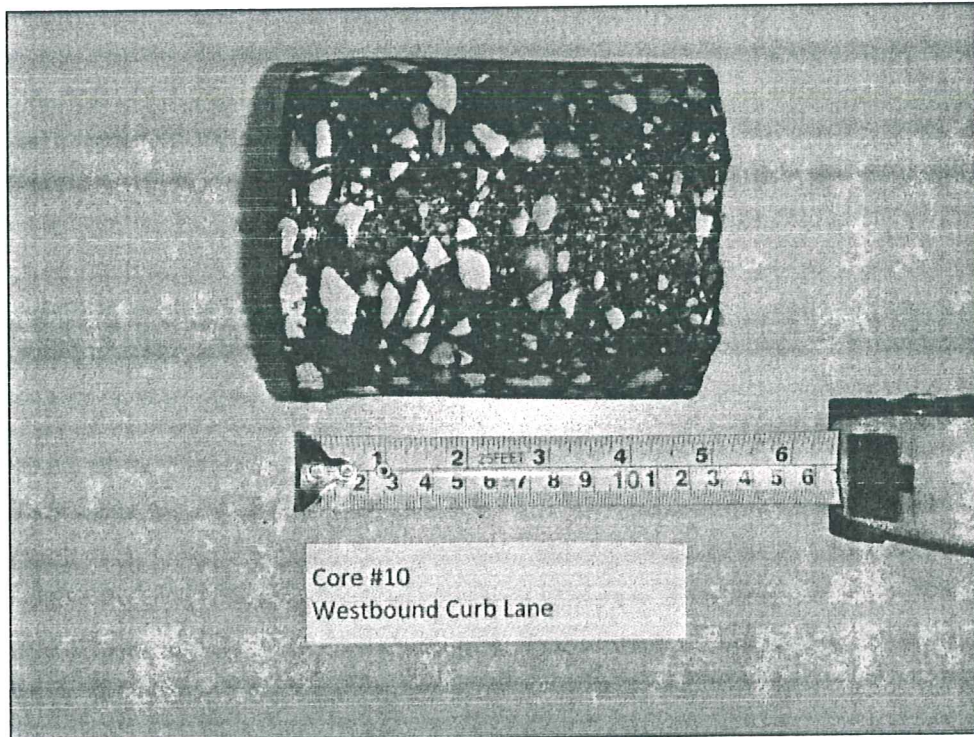


**Photograph 8. Between 692 and 696 Jubilee Avenue**



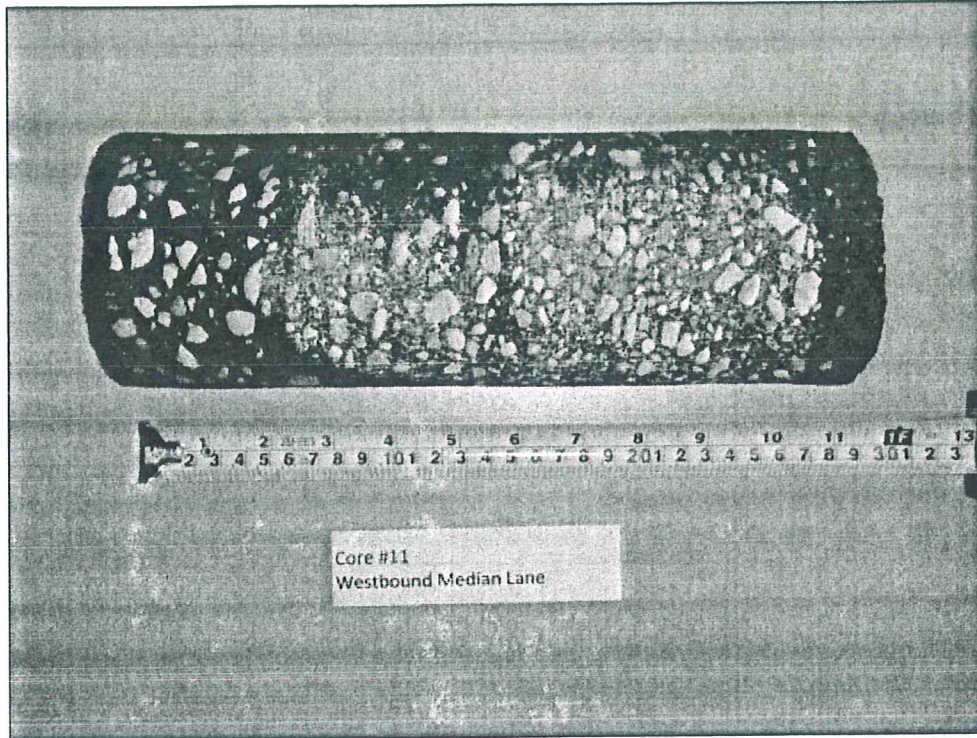


**Photograph 9. Between 855 and 857 Jubilee Avenue**

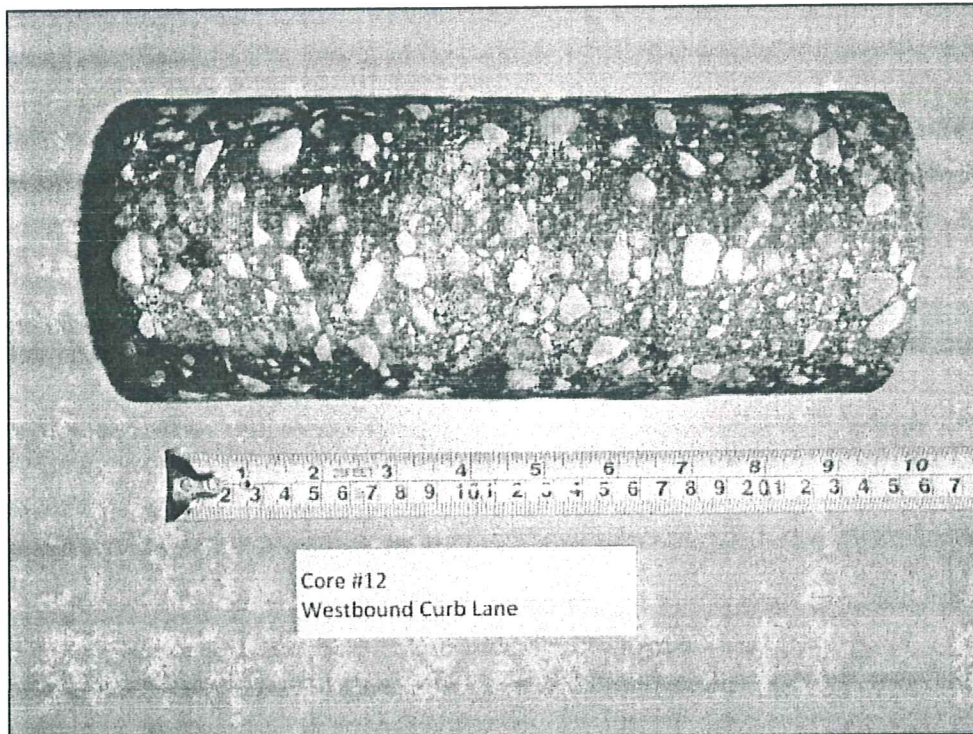


**Photograph 10. Between 855 and 857 Jubilee Avenue**



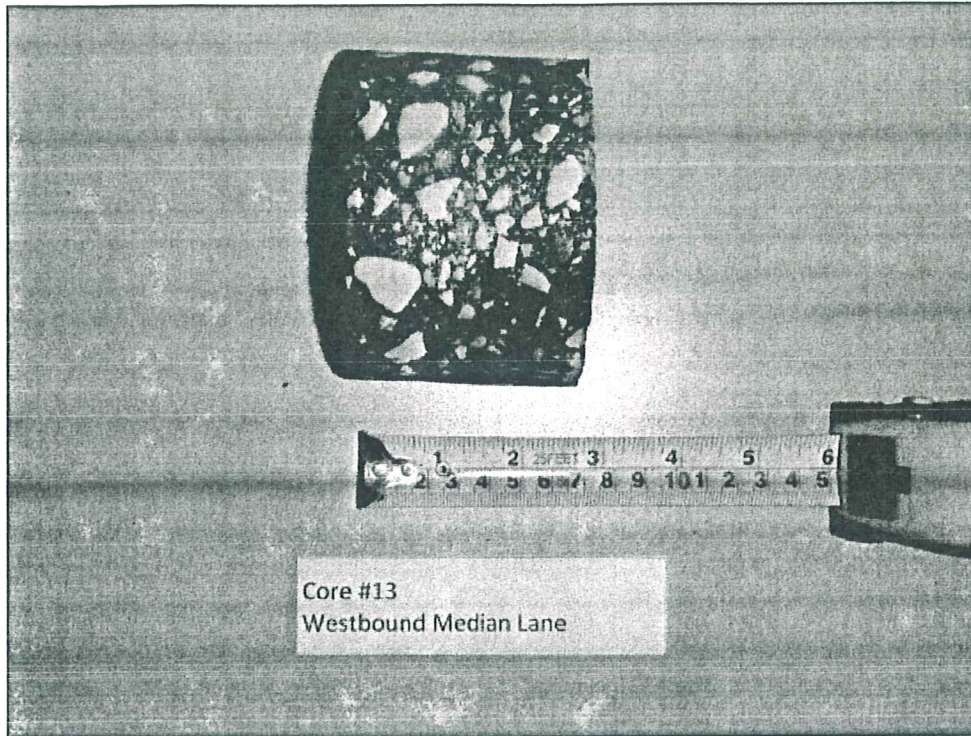


**Photograph 11. In front of 753 Jubilee Avenue**

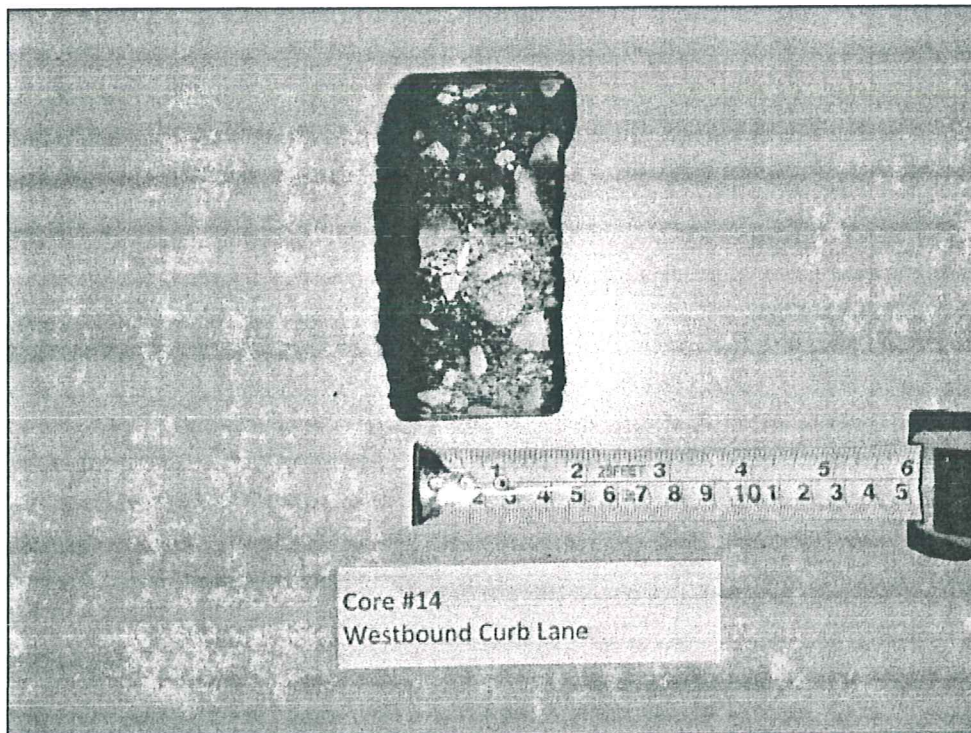


**Photograph 12. In front of 753 Jubilee Avenue**



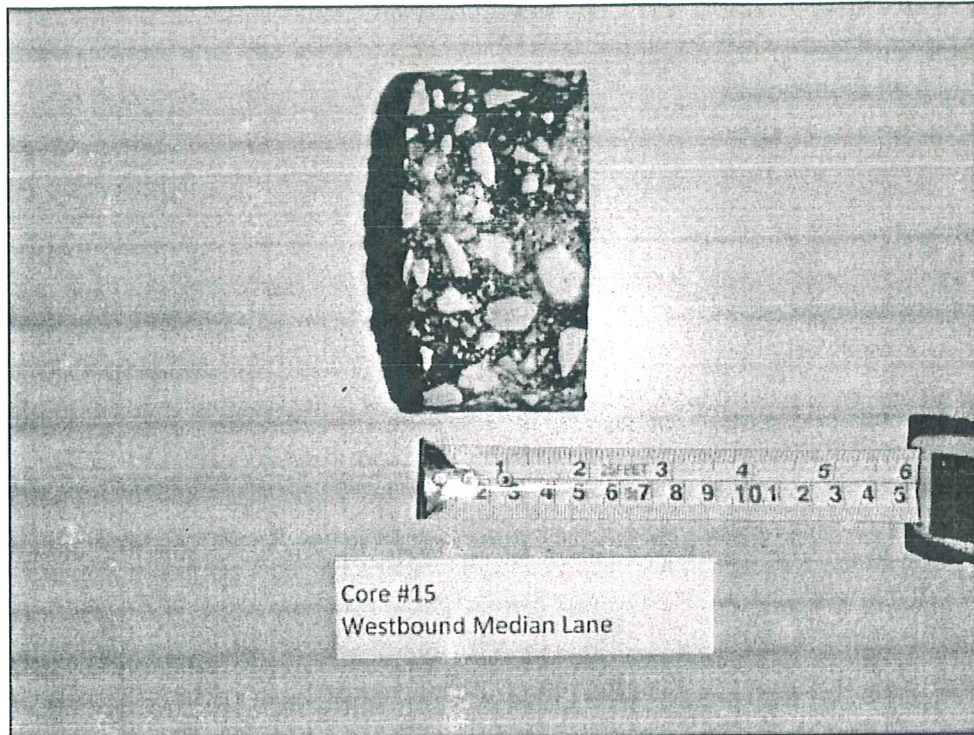


**Photograph 13. Between 629 and 631 Jubilee Avenue**

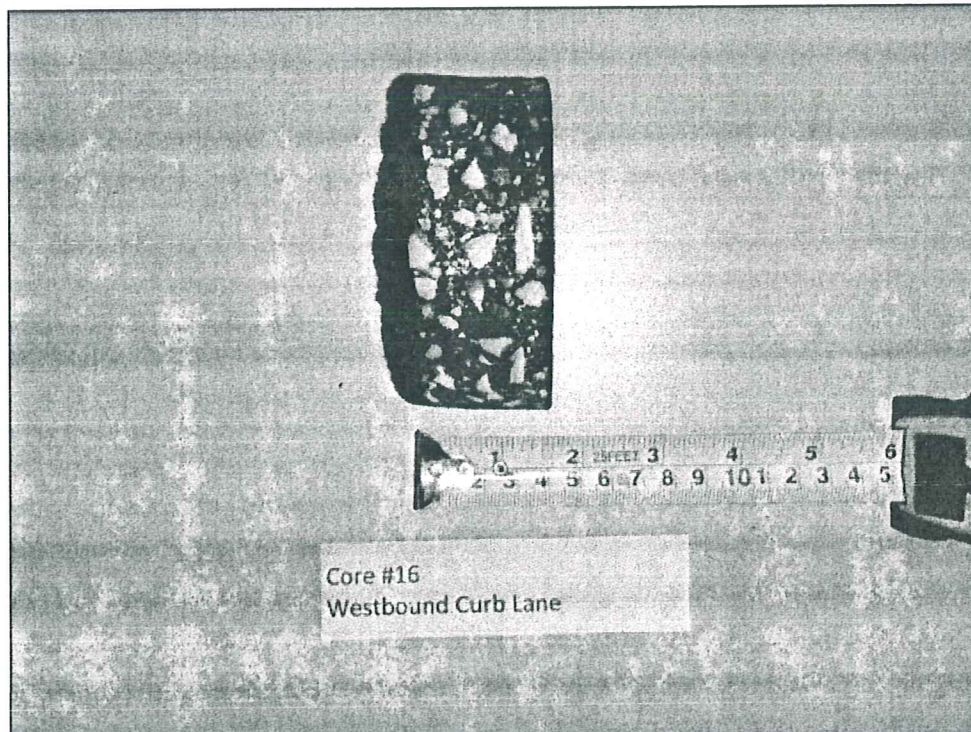


**Photograph 14. Between 629 and 631 Jubilee Avenue**



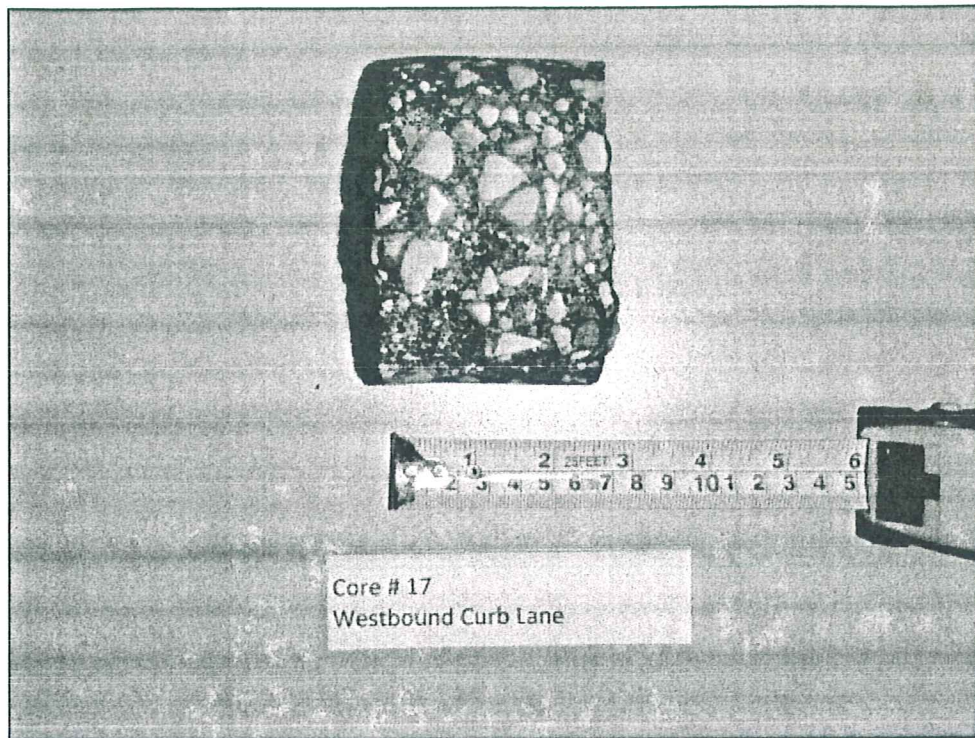


**Photograph 15. Between 497 and 511 Jubilee Avenue**



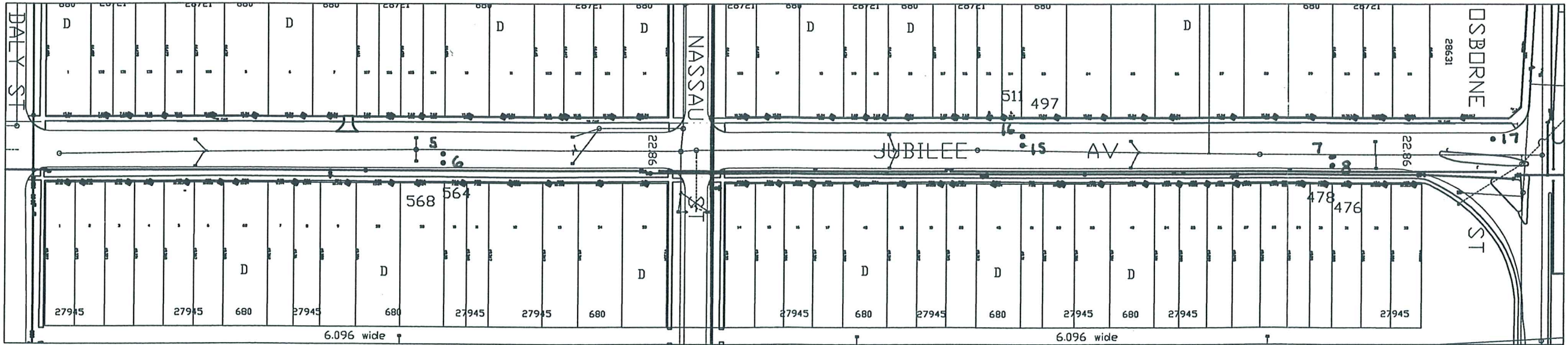
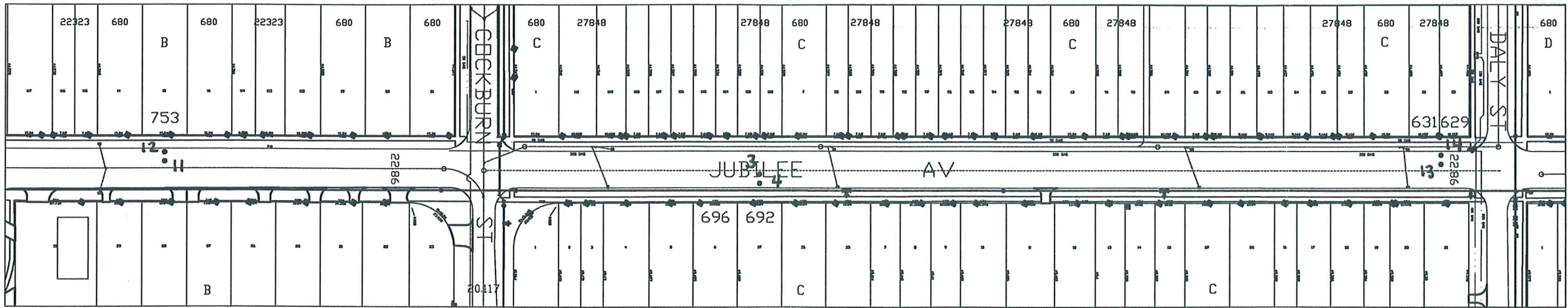
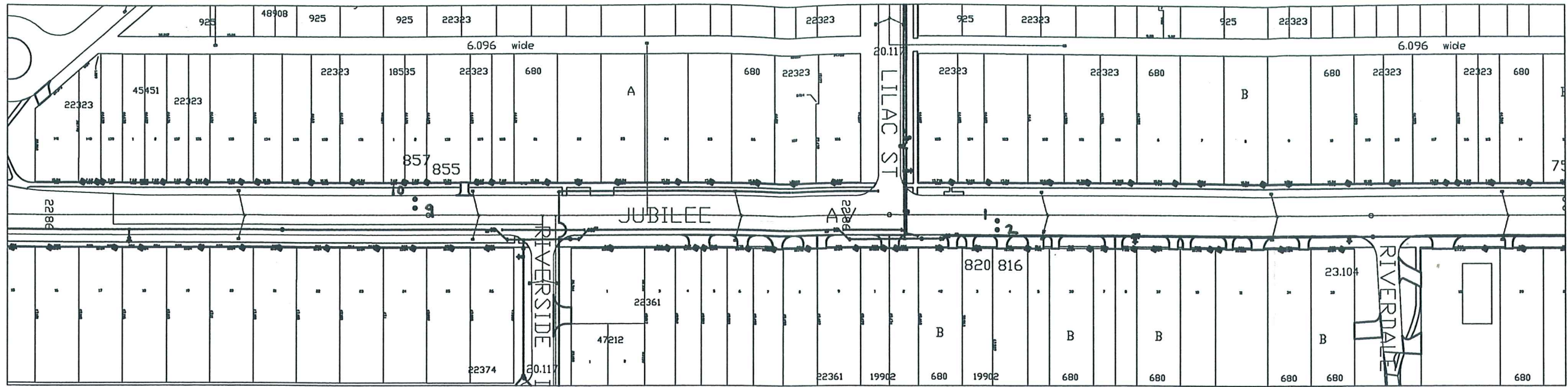
**Photograph 16. Between 497 and 511 Jubilee Avenue**





**Photograph 17. 15 m West of Osborne Street**





City of Winnipeg Public Works, 2010 Jubilee Avenue Mill & Fill Asphalt Cores  
December 18, 2009  
Proj. No. 60143498/4/1/2