

# SUMMARY OF QUANTITIES

## FINISHING, SHOULDERS

## SLOPES & DITCHES

From Station	To Station	Side	519-G	519-ARe
20+75	30+64	Lt.	989	
35+62	41+50	Rt.	2288	
61+50	64+00	Lt.	250	
64+00	116+25	Lt.	5225	
<b>Totals</b>			<b>3527</b>	<b>5225</b>

## STRUCTURES 20' SPAN AND UNDER

Items	No.	Size	Type	Remarks
Excavation 12" Vitr. Pipe	1	20	13.0	Remove 12" Vitr. Pipe From L end exist. culvert and extend to left
Excavation 12" Vitr. Pipe	2	20	52.0	
Excavation 12" Vitr. Pipe	3	20	65.0	
<b>Totals</b>			<b>130.0</b>	

## MANHOLE CASTINGS RAISED TO GRADE

Sheet No.	Number
6	4
7	16
8	3
<b>Total 519-G</b>	<b>23</b>
9	7
10	3
11	7
12	4
13	3
<b>Total 519-ARe</b>	<b>26</b>
14	3
15	7
16	13
<b>Total 277 Re</b>	<b>33</b>
<b>Gr. Total</b>	<b>62</b>

## INLET BASIN CASTINGS RAISED TO GRADE

Sheet No.	Number
6	6
7	5
8	1
<b>Total 519-G</b>	<b>12</b>
9	6
10	5
11	9
12	5
13	3
<b>Total 519-ARe</b>	<b>25</b>
14	4
15	10
16	3
<b>Total 277 Re</b>	<b>22</b>
<b>Gr. Total</b>	<b>59</b>

## VALVE BOXES RAISED TO GRADE

Sheet No.	Number
6	6
7	1
8	1
<b>Total 519-G</b>	<b>8</b>
9	1
10	1
11	1
<b>Total 519-ARe</b>	<b>3</b>
<b>Gr. Total</b>	<b>11</b>

## MONUMENT CASTINGS RAISED TO GRADE

Sheet No.	Number
6	2
7	1
8	1
<b>Total 519-G</b>	<b>4</b>
9	1
10	1
11	1
<b>Total 519-ARe</b>	<b>3</b>
<b>Gr. Total</b>	<b>7</b>

## NEW MANHOLES

Sheet No.	Number
6	1
7	1
8	1
<b>Total 519-G</b>	<b>3</b>
9	1
10	1
11	1
<b>Total 519-ARe</b>	<b>3</b>
<b>Gr. Total</b>	<b>6</b>

## BRICK VALVE VAULTS REBUILT

Sheet No.	Number
6	5
7	13
8	1
<b>Total 519-G</b>	<b>19</b>
9	10
10	7
<b>Total 519-ARe</b>	<b>17</b>
<b>Gr. Total</b>	<b>36</b>

## FIRE HYDRANTS REMOVED & RESET (40)

Sheet No.	Number
6	1
<b>Total 519-G</b>	<b>1</b>
<b>Gr. Total</b>	<b>1</b>

## FIRE HYDRANTS MOVED & RESET (2)

Sheet No.	Number
6	3
7	1
<b>Total 519-G</b>	<b>4</b>
<b>Gr. Total</b>	<b>4</b>

## C.B. N°4 omit cast iron trap

Sheet No.	Number
6	2
7	4
8	1
<b>Total 519-G</b>	<b>7</b>
9	5
10	3
11	3
<b>Total 519-ARe</b>	<b>11</b>
<b>Gr. Total</b>	<b>18</b>

## NEW C.B. (18 C.B. N°4) OMITTING CAST IRON TRAP

Sheet No.	Number
6	1
7	1
8	4
9	5
10	3
11	15
<b>Total 519-G</b>	<b>29</b>
<b>Gr. Total</b>	<b>47</b>

## SUMMARY OF NEW BASE (3-50) F.A.P. 519-G

From Sta.	To Sta.	Rt. or Lt.	Lin. Ft.	Sq. Yds.
20+75	30+64	Rt.	2032	715.72
35+62	41+50	Rt.	4646	1636.42
61+50	64+00	Lt.	215	75.73
<b>Total</b>				<b>2427.87</b>

From Sta.	To Sta.	Rt. or Lt.	Lin. Ft.	Sq. Yds.
64+00	116+25	Lt.	5047.26	1777.76
<b>Total</b>				<b>1777.76</b>

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64+00	116+25	Lt.	5047.26	1777.76
<b>Total</b>				<b>1777.76</b>

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## BITUMINOUS PAVEMENT CALCULATIONS

Beginning of F.A.P. 519-G	Sta. 0+00
End of 519-G	Sta. 64+00
Net length of F.A.P. 519-G	64.00 lin. ft.
Beginning of F.A.P. 519-ARe	Sta. 64+00
End of F.A.P. 519-ARe	Sta. 180+50
Net length of F.A.P. 519-ARe	116.50 lin. ft.
Beginning of F.A.P. 277 Re	Sta. 180+50
End of F.A.P. 277 Re	Sta. 237+60
Net length of F.A.P. 277 Re	57.10 lin. ft.
Net length of Pavement according to widths	
F.A.P. 519-G	
From Sta. To Sta.	38' width 40' width 42' width
① 0+00 30+64	3,064
② 30+64 38+62	798
③ 38+62 64+00	2,538
<b>F.A.P. 519-ARe</b>	
④ 64+00 116+25	5,225
⑤ 116+25 180+50	6,425
<b>F.A.P. 277 Re</b>	
⑥ 180+50 237+60	5,710
<b>Net Lengths by Widths</b>	<b>6425 16,537 798</b>
<b>Net Length all Widths</b>	<b>23,760</b>
<b>Area of 3/4" Rock Asphalt Surface</b>	
① 3064 x 40 ÷ 9	13,617.8
② 798 x 42 ÷ 9	3,724
③ 2538 x 40 ÷ 9	11,230.0
<b>Sub-Total 519-G</b>	<b>24,897.8</b>
④ 5225 x 40 ÷ 9	23,222.3
⑤ 6425 x 38 ÷ 9	27,127.8
<b>Sub-Total 519-ARe</b>	<b>23,222.3</b>
⑥ 5710 x 40 ÷ 9	25,377.8
<b>Sub-Total 277 Re</b>	<b>25,377.8</b>
<b>Total Sq. Yds in 519-G</b>	<b>40' width 42' width</b>
① & ②	24,897.8
③	3,724

Transition at Beg. of Project	46.66
Intersection Craneing Rd. Sta. 16+94	34.30
" Arnold Rd. Sta. 20+64.75	63.00
" Depot St. Sta. 31+70.75	21.72
" Taylor Ave. Sta. 34+50.50	44.00
" Spring St. Sta. 38+98	75.50
" Maple St. Sta. 43+27	10.33
" Lincoln Ave. Sta. 46+92.90	33.22
" Lloyd Rd. Sta. 48+20.50	32.35
" Elmwood Ave. Sta. 55+99.90	14.00
" Howard Ave. Sta. 58+78.55	3.20
" Bell Ave. Sta. 61+63	17.37
<b>Drives</b>	<b>340.00</b>
<b>Sub-Totals</b>	<b>25,547.83</b>
<b>Total Sq. Yds. F.A.P. 519-G</b>	<b>29,447.45</b>
<b>Total Sq. Yds. 519-ARe</b>	<b>38' width 40' width</b>
④	23,222.3
⑤	27,127.8

Transition Thrush Ave. Sta. 69+30.45	6.00
" Robindale Dr. Sta. 72+11.40	5.20
" Wade Ave. Sta. 77+33.95	5.50
" Mosier Rd. Sta. 92+31.40	5.80
<b>Drives</b>	<b>330.00</b>
Transition Sta. 116+25 to 118+45.82	24.54
Intersection Selon-Wiloughby Rd. Sta. 170+57.40	48.90
<b>Sub-Totals</b>	<b>27,201.24</b>
<b>Total Sq. Yds. F.A.P. 519-ARe</b>	<b>50,776.04</b>
<b>Total Sq. Yds. 277 Re</b>	<b>40' width Additions Deductions</b>
⑥	25,377.8
Transition Sta. 180+50 to 181+50	11.11
<b>Drives</b>	<b>30.00</b>
<b>Total 277 Re</b>	<b>25,397.80</b>
<b>Gr. Total</b>	<b>25,396.69</b>
<b>Total Sq. Yds. F.A.P. 277 Re</b>	<b>25,396.69</b>
<b>Total F.A.P. 519-G, 519-ARe, 277 Re</b>	<b>105,620.18</b>

Summary of Removal of Existing Pavement Sq. Yd.	
F.A.P. 519-G	160.00
F.A.P. 519-ARe	372.55
F.A.P. 277 Re	133.33
<b>Gr. Total</b>	<b>665.88</b>

Summary of New Conc. Curb	
Type I-A Straight	
Sheet No. Lin. Ft.	
7	60
8	12
9	72
10	60
11	84
12	60
13	96
<b>Total 519-G</b>	<b>72</b>
14	72
15	60
16	84
17	60
18	120
19	96
<b>Total 277 Re</b>	<b>264</b>
<b>Gr. Total</b>	<b>612</b>

Summary of Removal of Existing Pavement Sq. Yd.	
F.A.P. 519-G	160.00
F.A.P. 519-ARe	372.55
F.A.P. 277 Re	133.33
<b>Gr. Total</b>	<b>665.88</b>

Summary of Leveling Course B-50	
Estimated Calculated Total	
Cu. Yds. Cu. Yds. Cu. Yds.	
F.A.P. 519-G =	553 195.21 748.21
F.A.P. 519-ARe =	954 165.87 1119.87
F.A.P. 277 Re =	477 0 477.00
<b>GRAND TOTAL</b>	<b>1984 361.08 2345.08</b>

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## SUMMARY OF CONC. CURB & GUTTER REMOVED & DISPOSED OF

Sheet No.	Lin. Ft.
6	1062
7	4603
8	