

COMMONWEALTH OF MASSACHUSETTS

Middlesex, ss.

At a meeting of the County Commissioners
for the County of Middlesex, holden at
Lowell, within and for said County, on
the first Tuesday of September, in the
year of our Lord one thousand nine
hundred and sixty-six

WHEREAS, in the matter of the petition of the inhabitants of
the City of Cambridge for the specific repairs of Aberdeen Avenue,
Bay State Road, Broadway, Charles Street, Essex Street, Field Street,
First Street, Franklin Street, Garden Street, Haskell Street, Kinnaird
Street, Lincoln Street and Sparks Street, it appears that said
Commissioners, by their return dated February 4, 1966, directed
that said streets be specifically repaired in accordance with future
estimate and design to be prepared by the Department of Public Works
of the Commonwealth of Massachusetts and a Memorandum of Agreement
to be made between the said City of Cambridge and the said Department
of Public Works of the Commonwealth - expressly reserving therein
for future return their description of the manner and limits of said
specific repairs upon execution of the said Memorandum of Agreement;

AND, after due proceedings, said Commissioners directed specific
repairs on portions of said way by their return relating to a
Memorandum of Understanding #194 and dated February 4, 1966; and
thence said petition has been continued to this time.

And now the said Commissioners make return of their proceedings
in the premises, as follows: said Commissioners having given notice

as the law directs, met at the Superior Court House in said Cambridge, on the seventeenth day of August, in the year nineteen hundred and sixty-six, when and where the parties appeared, to wit, the petitioners by Ralph J. Dunphy, Commissioner of Public Works for the City of Cambridge, and no parties appeared to object.

AND, Whereas it now appears that the said Commonwealth of Massachusetts and the City of Cambridge have entered into a Memorandum of Agreement #22860 under date of December 29, 1965 for the improvement of First Street, in said Cambridge;

NOW, therefore, said Commissioners do hereby proceed to prescribe the manner and limits of the specific repairs of said First Street as directed by the said return dated February 4, 1966, as follows, to wit: -

Beginning at a point designated as station 0+00 at Cambridge Street and extending in a southerly direction for a distance of about 2410 feet to a point designated as station 24+10 about 160 feet southerly of Munroe Street or as far as the funds made available therefor by the State, County and City will carry such work or if funds remain thereafter for similar work beyond the aforesaid limits if deemed advisable.

The work to be done under this order shall consist of constructing a Class I bituminous concrete pavement Type I-1 (surface) on a Class I bituminous concrete pavement Type I-1 (leveling course) utilizing the existing surface as a foundation. The work shall include unclassified excavation, bituminous concrete excavation, fine grading, rolling and finishing, catch basins, manholes, leaching basins adjusted to line and resetting old granite curb and other incidental items, all in accordance with plans, preliminary estimates and quantity and detail sheets of the proposed work, estimated and

designed by the Department of Public Works of the Commonwealth of Massachusetts, a contract for the said work, between the said City of Cambridge and Essex Bituminous Concrete Corp. dated December 16, 1965 and a Memorandum of Agreement numbered 22860 dated December 29, 1965 between the said City of Cambridge and the aforesaid Department of Public Works - copies of said plans, preliminary estimates, quantity and detail sheets, contract and agreement being on file in the office of said Commissioners.

In general, the work shall be done in accordance with the aforesaid plans, preliminary estimates, quantity and detail sheets. Copies of said preliminary estimates, quantity and detail sheets being attached herewith.

All the work shall be done by methods approved by the aforesaid Department of Public Works of the Commonwealth of Massachusetts and as may be directed by the engineer of the said Department of Public Works directing such work therefor; shall conform to all standard and applicable requirements of said Department of Public Works for such work and materials and shall be performed all in accordance with the aforementioned plans, preliminary estimates, quantity and detail sheets, contract and Memorandum of Agreement here-in-before described.

The work shall begin forthwith and shall be completed, if practicable, on or before the thirty-first day of December, 1966.

The said City of Cambridge shall pay all damages, costs, and expenses which any party may by legal process obtain in consequence of this order for specific repairs.

And, as set forth in said return dated February 4, 1966, on completion of said work to the acceptance and satisfaction of said

Commissioners and said Department of Public Works of the Commonwealth, the said County of Middlesex shall pay to the said City of Cambridge one-fourth ($1/4$) of the cost of the work done but not exceeding the sum of Nine Thousand Five Hundred Dollars (\$9,500.) - the Commonwealth having available \$19,000. and the City of Cambridge \$9,500. therefor.

In this matter, John E. Shaughnessy, of Stoneham, acted in place of John L. Danehy, County Commissioner, under the provisions of Section 12, Chapter 34, General Laws - said John L. Danehy being disqualified to act in said matter due to residence in said City of Cambridge.

IN WITNESS WHEREOF, We, the County Commissioners, have hereunto set our hands this ninth day of September in the year of our Lord one thousand nine hundred and sixty-six.

Frederick J. Connors

John F. Dever, Jr.

John E. Shaughnessy

(Acting)

A true copy,

Attest:

Lavin A. Burger

Assistant Clerk

meb

Middlesex
THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
100 NASHUA ST., BOSTON, MASS.

—PRELIMINARY ESTIMATE OF QUANTITIES—DETAIL SHEET—

TOWN - CITY Cambridge ROAD First Street 1965
Sta. 0+00 to Sta. 24+10 Class Chapter 90 19.65

Date - October 25 1965Surface Area Roadway - 98,595 Square Feet Width of Roadway 34' to 40' & VariableProposed Surface:

Top Course:

Bottom Course:

Leveling Course:

Tack Coat:

Foundation:

2 1/2" Class I Bit. Conc. Pave. Type I-1
laid in two courses.

1 1/4" Class I Bit. Conc. Pave. Type I-1

1 1/4" Class I Bit. Conc. Pave. Type I-1

Variable depth bit. conc. pave. type I-1
where required.

1/10 gallon bitumen (RS-1 or RS-2) per SY

Utilize existing bit. conc. and cement concrete base.

Cement Concrete Sidewalks:

Top Course:

Foundation:

4" Class D Air Entrained Cement Concrete
(1 course)8" Gravel borrow where required or utilize
existing gravel material where suitable.Cem. Conc. Sidewalks at Drives

Top Course

Foundation

6" Class D Air Entrained Cement Concrete
(1-Course)8" Gravel Borrow where required or utilize
existing gravel material where suitable.Bituminous Concrete Walks

Top Course

Bottom Course

Foundation

2 1/2" Bituminous Concrete Walk Surface laid
in two Courses.

1 1/4" Bit. Conc. Walk Surface

1 1/4" Bit. Conc. Walk Surface

6" Gravel Borrow where required or utilize
existing Gravel Material where suitable3" Bituminous Conc. Walk Surface laid in
two Courses.Bit. Conc. Walks at Drives

Top Course

Bottom Course

Foundation

1" Bit. Conc. Walk Surface

2" Bit. Conc. Walk Surface

6" Gravel Borrow where required or utilize
existing gravel material where suitable

Dust Control

Calcium Chloride

Plan No's. County

Estimated by: C. SheehanProfile No's. NoneChecked by: J.L. ECKER
R. FasanelloCalc. Book No. 4326Submitted by: P.J. NantFrom Report of C.K. Brown Dist. Hwy. Eng.

Office Engineer

Dated - October 25 1965

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
PRELIMINARY ESTIMATE
DETAIL SHEET

PAGE 2 of 6

8CFS004 FIRST ST. - CAMBRIDGE CH.90 000-430-000 10-19-65

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
122.	UNCLASSIFIED EX	CY	1,000
127.	BITUMINOUS CONCRETE EX -BY HEATER-PLANER	SY	650
155.	GRAVEL BORROW	CY	1,475
161.12	FINE GRADING, ROLLING AND FINISHING	SY	5,150
166.7	BITUMEN FOR PRIME COAT	GAL	1,150
175.	CLASS I BIT CONC PAVEMENT TYPE I-1	TON	1,690
193.	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	CY	125
215.	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	2,150
381.1	CATCH BASINS, MANHOLES OR LEACHING BASINS ADJ L/G ECC	EA	8
383.1	CATCH BASINS OR MANHOLES REMODELED ECC	EA	13
674.	GRANITE CURB TYPE VA4 STRAIGHT	LF	50
674.1	GRANITE CURB TYPE VA4 CURVED	LF	70
679.	GRANITE CURB - INSTALLED, EXCL. COST OF CURB	LF	480
692.	GRANITE CURB INLETS -STRAIGHT	EA	9
692.1	GRANITE CURB INLETS -CURVED	EA	1
698.	CURBING REMOVED AND RESET	LF	3,410
702.	CURB INLETS REMOVED AND RESET	EA	6
709.	CONCRETE SIDEWALKS -1-COURSE	SY	285
709.1	CONCRETE SIDEWALKS -1-COURSE AT DRIVEWAYS	SY	240
710.	BITUMINOUS CONCRETE WALK SURFACE	TON	565
754.	STREET SIGNS REMOVED AND RESET	EA	5

-PRELIMINARY ESTIMATE OF QUANTITIES-DETAIL SHEET-

TOWN-CITY Cambridge ROAD First Street 1965DATE October 1965

127. Bit Conc Exc by Heater Planer SY		692.1 Granite Curb Inlets (Cvd) Ea	
Left Side Right Side		Right Side 0+02 to 0+04	
Sta.	5+25 to 5+75	0+25 to 0+75	
	7+50 to 8+50	2+50 to 4+00	
	12+25 to 12+75	5+25 to 5+75	
	21+25 to 21+75	15+25 to 15+75	
193. H.E.S. Cem Conc Base Course CY		698. Curbing Removed & Reset Lf	
All curb items listed further down		Left Side Right Side	
Trench Patches		Sta.	0+15 to 0+47
Corner Cut Backs (Lt & Rt Cambridge St.)			0+47 to 0+60
383.1 CB, MH or LBs Remodeled (ECC) Ea			0+60 to 1+08
Left Side Right Side			1+08 to 1+12
Sta.	2+56	0+03	1+12 to 1+20
	5+25	5+97	1+20 to 1+62
13+60	BRADLEY HEADS	8+63	1+62 to 2+16
16+10		11+05	2+16 to 3+08
18+49		16+13	3+08 to 3+83
23+67		18+54	3+83 to 4+67
		23+67	4+67 to 5+94
674.1 Granite Curb Ty VA-4 (Cvd) LF			5+94 to 6+22
Left Side Right Side			6+22 to 6+80
0+00 to 0+15 R=15'	0+00 to 0+02 R=15'		6+80 to 7+20
19+68 to 19+70 R= 8'	0+04 to 0+15 R=15'		7+20 to 8+60
	2+12 to 2+17 R= 8'		8+60 to 9+25
	12+13 to 12+16 R= 8'		9+25 to 9+70
	22+56 to 22+61 R= 8'		9+70 to 10+66
679. Granite Curb Installed (ECC) LF			10+66 to 11+02
Left Side Right Side			11+02 to 11+16
1+12 to 1+32	3+95 to 4+56		11+16 to 11+32
1+64 to 1+84	6+00 to 6+07		11+32 to 11+77
2+17 to 2+38	7+62 to 7+68		11+77 to 11+87
2+59 to 2+71	9+25 to 9+44		11+87 to 11+98
2+71 to 2+91	11+32 to 11+36		11+98 to 12+06
4+50 to 4+81	11+77 to 11+83		12+06 to 12+21
4+81 to 5+00	13+64 to 13+74		12+21 to 12+91
5+28 to 5+35	14+42 to 14+52		12+91 to 13+10
6+01 to 6+07	16+40 to 16+48		13+10 to 13+42
8+31 to 8+35	16+83 to 16+98		13+42 to 13+64
8+41 to 9+06	21+05 to 21+07		13+64 to 14+10
9+06 to 9+12	21+24 to 21+32		14+10 to 14+42
15+71 to 15+83	21+49 to 21+55		14+42 to 14+70
15+89 to 15+97	21+78 to 21+83		14+70 to 15+26
16+28 to 16+50			15+26 to 15+37
16+83 to 16+91			15+37 to 15+64
17+01 to 17+12			15+64 to 15+90
19+00 to 19+09			15+90 to 16+10
20+22 to 20+30			16+10 to 16+40
692. Granite Curb Inlets (Str) Ea			16+40 to 16+74
Left Side Right Side			16+74 to 16+83
2+53 to 2+59	8+60 to 8+66		16+83 to 17+23
5+22 to 5+28	9+55 to 9+61		17+23 to 18+51
8+35 to 8+41	11+02 to 11+08		18+51 to 19+70
	12+06 to 12+12		19+70 to 20+38
	20+99 to 21+05		20+38 to 20+99
	23+64 to 23+70		20+99 to 21+49
			21+49 to 22+09
			22+09 to 22+24
			22+24 to 23+64
			23+64 to 24+10

-PRELIMINARY ESTIMATE OF QUANTITIES-DETAIL SHEET-

TOWN-CITY Cambridge

ROAD First Street

1965

DATE October

1965

702. Curb Inlets Rem & Reset Ea

Left Side	Right Side
Sta. 13+57 to 13+63	5+94 to 6+00
16+07 to 16+13	16+10 to 16+16
18+46 to 18+52	18+51 to 18+57

709. Cem Conc S.W. (1 course) SY

Left Side	Right Side
Sta. 0+00 to 0+10	0+00 to 0+12
	7+54 to 8+00
	10+04 to 10+66
	10+83 to 11+16
	11+32 to 11+73
	12+54 to 12+91
	13+09 to 13+42

709.1 Cem Conc S.W.s (1 crse@drvs) SY

Left Side	Right Side
Sta. 0+10 to 0+43	10+66 to 10+83
0+64 to 1+09	11+16 to 11+32
20+73 to 21+83	21+55 to 21+78

710. Bituminous Concrete Walk Surface Ton

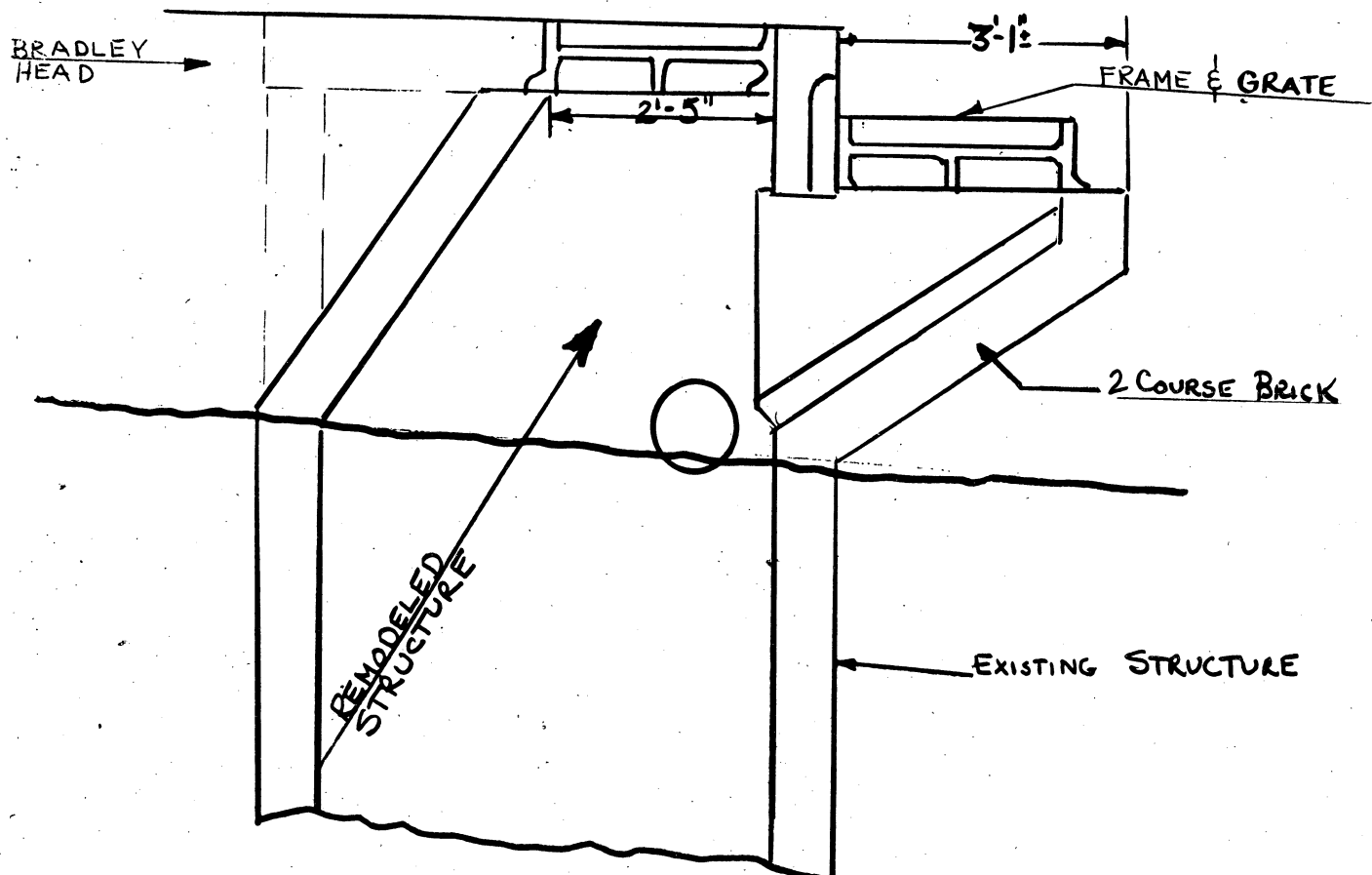
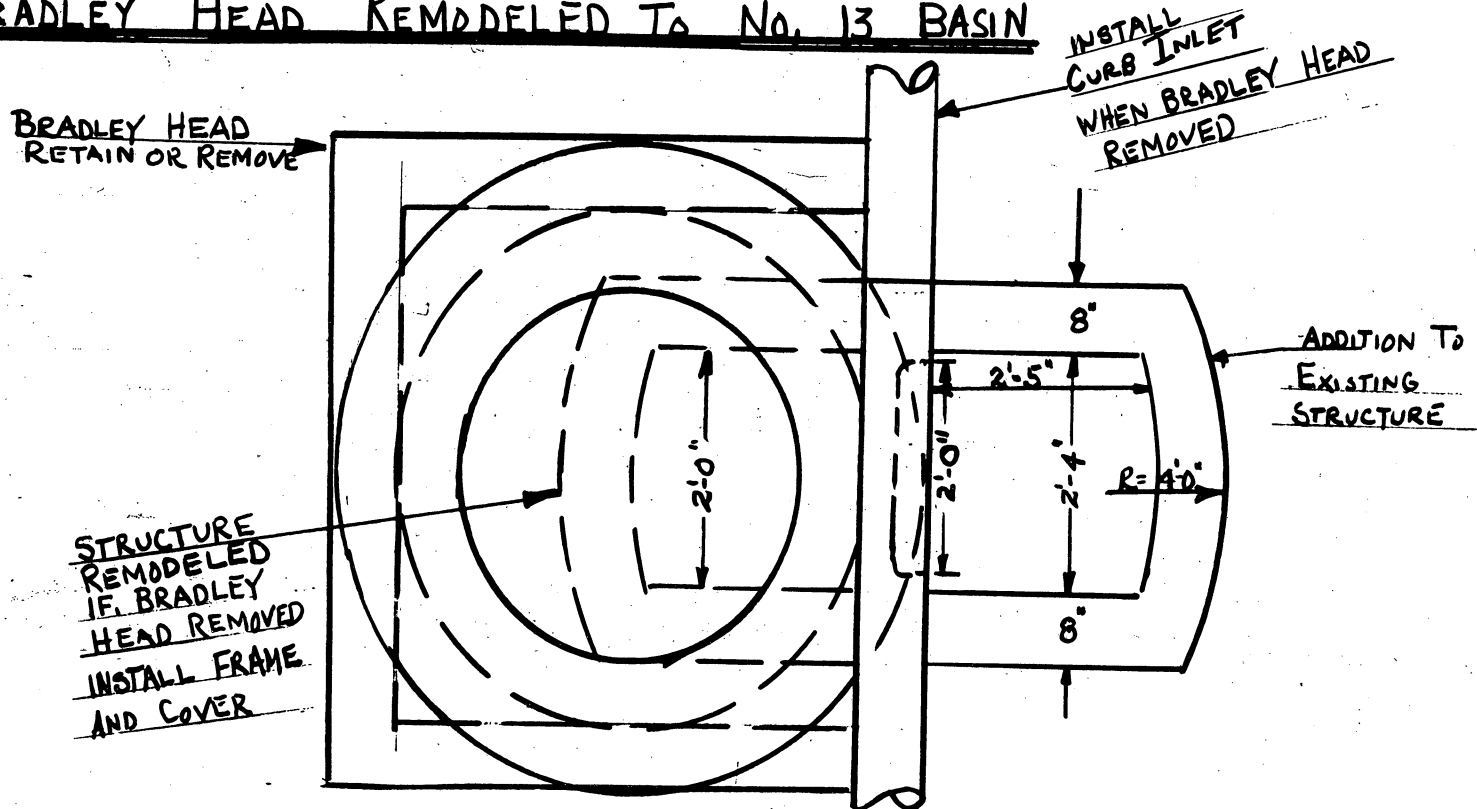
Drive Aprons		Sidewalks	
Left Side	Right Side	Left Side	Right Side
Sta. 3+22 to 3+42	0+45 to 0+54	0+43 to 0+64	0+12 to 1+10
3+78 to 3+90	1+10 to 1+20	1+09 to 3+22	1+20 to 1+62
5+35 to 5+95	1+62 to 1+76	3+42 to 3+78	1+76 to 2+16
6+28 to 6+59	3+08 to 3+25	3+90 to 5+35	2+50 to 3+08
6+93 to 8+10	3+83 to 3+95	5+95 to 6+00	3+25 to 3+83
10+25 to 10+57	6+22 to 6+51	6+00 to 6+28	3+95 to 4+67
10+89 to 11+29	6+80 to 6+94	6+59 to 6+93	5+00 to 6+22
11+64 to 11+95	9+44 to 9+55	8+10 to 10+25	6+51 to 6+80
12+16 to 12+46	11+87 to 11+98	10+57 to 10+89	6+94 to 7+20
18+88 to 19+00	12+91 to 13+10	11+29 to 11+64	8+00 to 9+44
20+45 to 20+54	13+42 to 13+64	11+95 to 12+16	9+56 to 9+70
21+83 to 22+00	14+10 to 14+24	12+46 to 14+70	11+72 to 12+20
22+84 to 23+04	14+42 to 14+52	15+04 to 17+20	13+59 to 14+10
	15+26 to 15+37	17+54 to 18+88	14+24 to 14+42
	15+64 to 15+79	19+00 to 19+70	14+52 to 14+70
	15+90 to 16+01	20+04 to 20+45	15+04 to 15+26
	16+48 to 16+74	20+54 to 20+73	15+37 to 15+64
	20+38 to 20+73	22+00 to 22+84	15+79 to 15+90
	21+07 to 21+24	23+04 to 23+30	16+01 to 16+48
			16+74 to 17+20
			17+54 to 19+70
			20+04 to 20+38
			20+73 to 21+07
			21+24 to 21+55
			21+78 to 22+09
			22+54 to 24+10

-PRELIMINARY ESTIMATE OF QUANTITIES-DETAIL SHEET-

~~STREET~~ CITY Cambridge ROAD First Street 1965

DATE October 25 1965

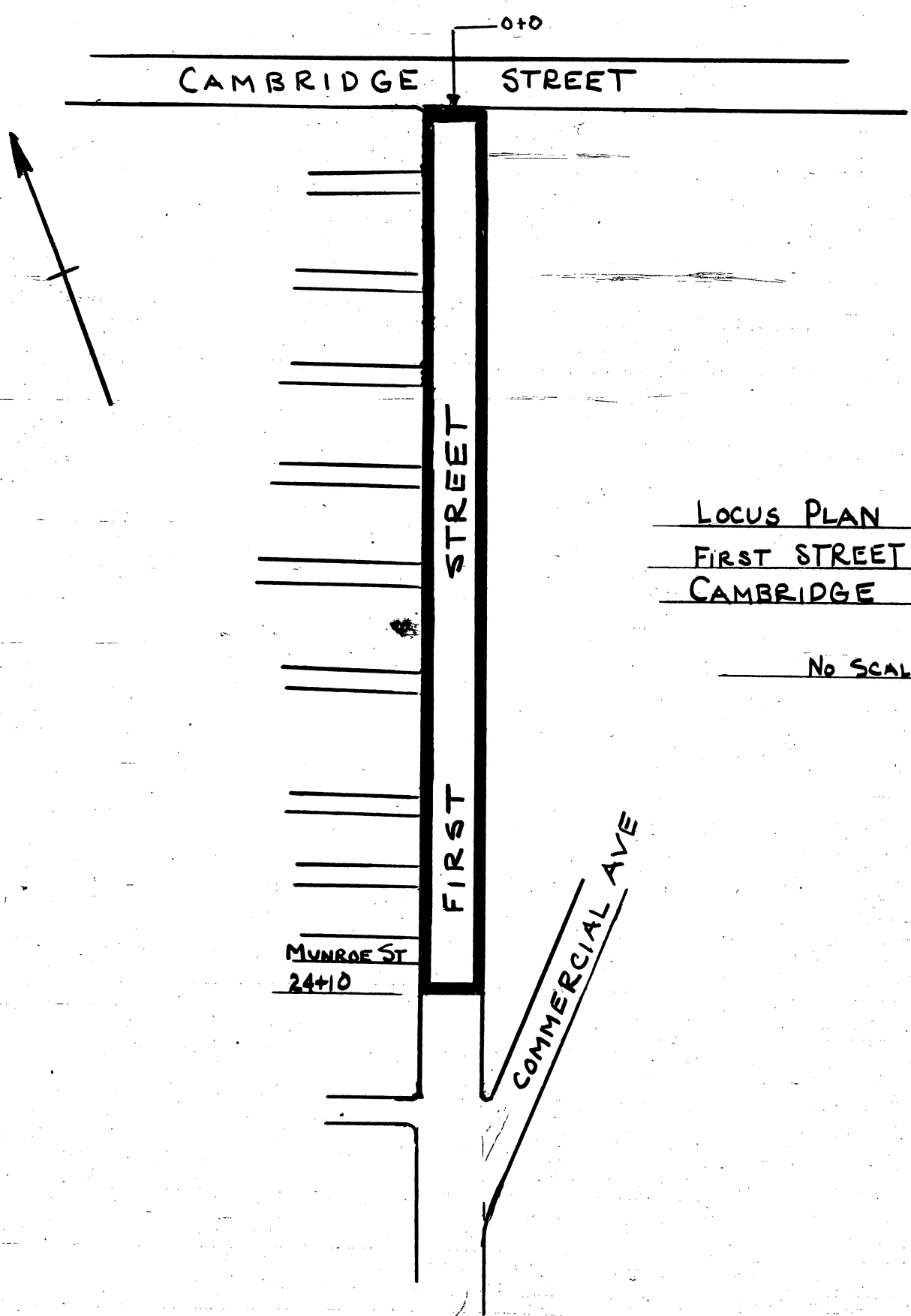
BRADLEY HEAD REMODELED TO NO. 13 BASIN



-PRELIMINARY ESTIMATE OF QUANTITIES-DETAIL SHEET-

- CITY Cambridge ROAD First Street 1965

DATE October 25 1965



LOCUS PLAN
FIRST STREET
CAMBRIDGE

NO SCALE

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
PRELIMINARY ESTIMATE

PAGE 1 of 1

8CFS004 FIRST ST. - CAMBRIDGE CH.90 000-430-000 10-19-65
Stas. 0+00 to 24+10

CONTRACT

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
122.	UNCLASSIFIED EX	CY	1,000	3.10	3,100.00
127.	BITUMINOUS CONCRETE EX				
	-BY HEATER-PLANNER	SY	650	1.50	975.00
155.	GRAVEL BORROW	CY	1,475	3.00	4,425.00
161.12	FINE GRADING, ROLLING AND FINISHING	SY	5,150	.20	1,030.00
166.7	BITUMEN FOR PRIME COAT	GAL	1,150	.20	230.00
175.	CLASS I BIT CONC PAVEMENT TYPE I-1	TON	1,690	7.00	11,830.00
193.	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	CY	125	35.00	4,375.00
215.	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	2,150	.05	107.50
381.1	CATCH BASINS, MANHOLES OR LEACHING BASINS ADJ L/G ECC	EA	8	25.00	200.00
383.1	CATCH BASINS OR MANHOLES REMODELED ECC	EA	13	100.00	1,300.00
674.	GRANITE CURB TYPE VA4 STRAIGHT	LF	50	4.00	200.00
674.1	GRANITE CURB TYPE VA4 CURVED	LF	70	5.50	385.00
679.	GRANITE CURB - INSTALLED, EXCL. COST OF CURB	LF	480	1.50	720.00
692.	GRANITE CURB INLETS -STRAIGHT	EA	9	40.00	360.00
692.1	GRANITE CURB INLETS -CURVED	EA	1	50.00	50.00
698.	CURBING REMOVED AND RESET	LF	3,410	1.50	5,115.00
702.	CURB INLETS REMOVED AND RESET	EA	6	10.00	60.00
709.	CONCRETE SIDEWALKS -1-COURSE	SY	285	5.00	1,425.00
709.1	CONCRETE SIDEWALKS -1-COURSE AT DRIVEWAYS	SY	240	5.60	1,344.00
710.	BITUMINOUS CONCRETE WALK SURFACE	TON	565	15.00	8,475.00
754.	STREET SIGNS REMOVED AND RESET	EA	5	10.00	50.00

CONTINGENCIES

45,756.50

TRAFFIC POLICE

2,287.50

MATERIALS FURNISHED

48,044.00

LESS NON-PARTICIPATING

1,000.00

TOTAL COST

49,044.00

750.00

49,794.00

2,118.00

\$47,676.00

NON-PARTICIPATING

122.	UNCLASSIFIED EX	CY	90	3.10	279.00
155.	GRAVEL BORROW	CY	75	3.00	225.00
161.12	FINE GRADING, ROLLING AND FINISHING	SY	300	.20	60.00
193.	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	CY	25	35.00	875.00
215.	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	80	.05	4.00
710.	BITUMINOUS CONCRETE WALK SURFACE	TON	35	15.00	525.00
754.	STREET SIGNS REMOVED AND RESET	EA	5	10.00	50.00

2,018.00

CONTINGENCIES

100.00

TOTAL NON-PARTICIPATING

\$2,118.00

Made by RICHARD PIERARDI Checked by JOS. L. ECKER Submitted by CORNELIUS F. SHEEHAN Office Engineer

Inhbts. of Cambridge, petrs. for the
specific repairs of Aberdeen Avenue,
Bay State Road, Broadway, Charles Street,
Essex Street, Field Street, First Street,
Franklin Street, Garden Street, Haskell
Street, Kinnaird Street, Lincoln Street
and Sparks Street.

Copy

Return

September 9, 1966

Sept 26-66

Placed on File -