FED. PROJ. NO. EHS T 5007 (004)

PLANS SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT OF WAY LINE
PRESENT RIGHT-OF-WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER

SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
CATCH BASIN
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F-FRAME C-CONCRETE
S-STONE T-TILE
B-BRICK ST-STUCCO
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH POLE LINE
JOINT TELEPHONE AND POWER ON POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL (TELEPHONE CABLE TERMINAL)
GAS MAIN
WATER MAIN

CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER, (SANITARY OR STORM)
SEWER MANHOLE

NOTE SECTION NUMBERS READ FROM THE SOUTH

PIT DATA

PIT NO. _____ Located in _____
Dead Haul _____

PIT NO. _____ Located in _____
Dead Haul _____

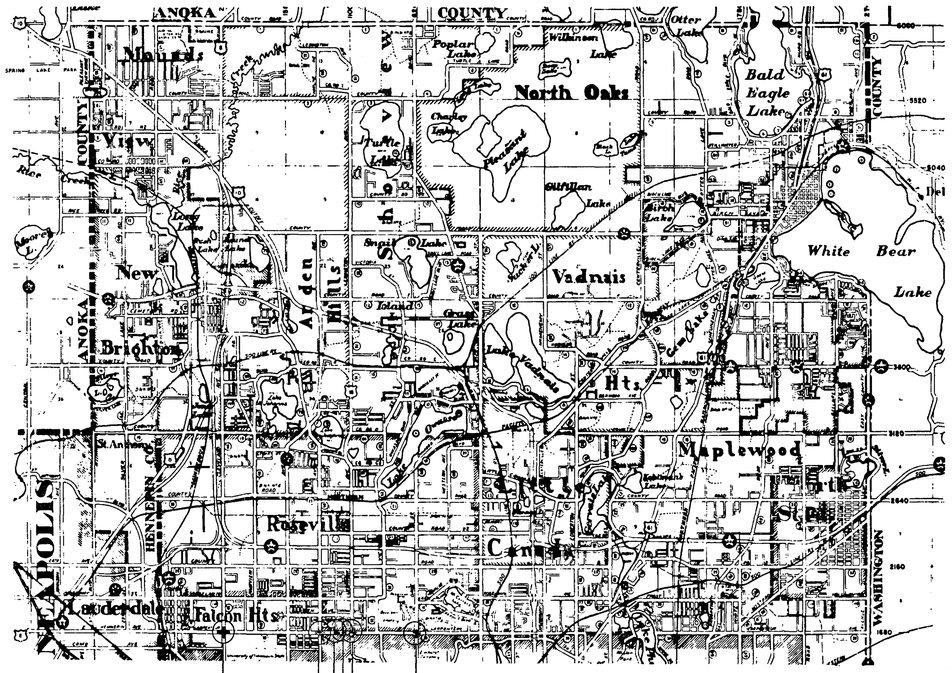
THE "MINNESOTA HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JANUARY 1, 1972 SHALL GOVERN.

LEGAL

FROM: A POINT 435' WEST OF THE N.E. CORNER OF SECTION 20, T. 29 N., R. 23 W.

TO: A POINT 500' EAST AND 22' SOUTH OF THE N.W. CORNER OF SECTION 24, T. 29 N., R. 23 W.

48+47	BEGIN PROJ.		
52+81.83	CLEVELAND AVE.	56+86.71	FEET
105+33.71	SNELLING AVE.		
EQUATION	105+33.71 = 0+00		
0+00	SNELLING AVE.	52+74.88	FEET
52+74.88	LEXINGTON AVE.		
EQUATION	52+74.88 = 0+00		
0+00	LEXINGTON AVE.	52+69.4	FEET
52+69.4	DALE ST.		
EQUATION	52+69.4 = 0+00		
0+00	DALE ST.	5+00	FEET
5+00	END PROJ.		
		16,730.99	FEET



NOTE: RAMSEY COUNTY WILL LET A SEPARATE CONCURRENT CONTRACT FOR INSTALLATION OF TRAFFIC SIGNAL SYSTEMS AT: CLEVELAND AVE.
HAMLINE AVE
LEXINGTON AVE.
DALE ST.

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY
T.O.P.I.C.S.
LARPENTEUR AVENUE
AT:
CLEVELAND AVE.
HAMLINE AVE.
FERNWOOD AVE.
DUNLAP ST.
LEXINGTON AVE.
DALE ST.

GROSS LENGTH	16,730.99	FEET	3.169 MILES
BRIDGES - LENGTH		FEET	MILES
EXCEPTIONS - LENGTH		FEET	MILES
NET LENGTH	16,730.99	FEET	3.169 MILES

SCALES: PLAN, 1 Inch = 50 Feet
PROFILE, Horiz. 1 Inch = 50 Feet Vert. 1 Inch = 5 Feet
CROSS-SECTIONS, 1 Inch = 10 Feet
LAYOUT, 1 Inch = 5280 Feet

INDEX

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
Lloyd W. Snyder Jr. REG. NO. 6334 DATE 3-13-72

RECOMMENDED FOR APPROVAL _____ DIRECTOR OF SAFETY DATE ____
RECOMMENDED FOR APPROVAL _____ MAINTENANCE ENGINEER DATE ____
RECOMMENDED FOR APPROVAL _____ CONSTRUCTION ENGINEER DATE ____
RECOMMENDED FOR APPROVAL _____ DATE ____
RECOMMENDED FOR APPROVAL _____ DATE ____
APPROVED _____ COUNTY ENGINEER DATE ____

RECOMMENDED FOR APPROVAL Dean R. Gribble COUNTY ENGINEER DATE 10-26-71
APPROVED _____ CHAIRMAN OF THE RAMSEY COUNTY BOARD DATE 3/31/72
APPROVED _____ DATE ____
APPROVED _____ DATE ____

MINNESOTA STATE HIGHWAY DEPARTMENT
RECOMMENDED FOR APPROVAL L.F. Brady DATE 6-12-72
RECOMMENDED FOR APPROVAL _____ DISTRICT STATE AID ENGINEER DATE 5/10/72
APPROVAL _____ STATE AID ENGINEER DATE 6/13/72

ACCEPT PLAN CONFORMING TO OFFICE RECORDS
DONE BY: GARY AMUNRUD
DATE: 1-27-77

REVISED 9-14-72

STATE PROJ. NO. 62-630-17

MICROFILMED Sheet No. 1 of 9 Sheets

18-117

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT		CLEVELAND AVE.	HAMLINE AVE. ORIG.	HAMLINE AVE. REV.	FERNWOOD AVE.	DUNLAP ST.	LEXINGTON AVE	DALE ST. ORIG.	DALE ST. REV.	TOTAL ESTIMATED QUANTITIES	REVISED TOTAL ESTIMATED QUANTITIES		FINAL QUANTITIES
2021.501	MOBILIZATION	LUMP SUM										1	1		1
2101.502	CLEARING	TREE			11				1		2	12	3		3
2101.507	GRUBBING	TREE			11				1		2	12	3		3
2104.501	REMOVE CONCRETE CURB	L.F.		216	174	174	62		517	1011	1011	1980	1980		1950
2104.501	REMOVE 4' CONCRETE MEDIAN	L.F.		970	939	939	680	491	733	564	587	4377	4400		4487
2104.501	REMOVE SEWER PIPE	L.F.			62	102				16	19	78	121		44
2104.503	REMOVE CONCRETE SIDEWALK	S.F.								1620	1620	1620	1620		2996
2104.505	REMOVE CONCRETE PAVEMENT	S.Y.		326	401	401	337	267	527	1316	1316	3174	3174		3466
2104.509	REMOVE CATCH BASINS	EACH			4	4	2			5	6	11	12		11
2105.501	COMMON EXCAVATION	C.Y.		1386	4919	3155			959	1314	1547	8578	7047		4152
2130.501	WATER (DUST PALLIATIVE ONLY)	(M) GALLONS		50	50	50			50	50	5	200	155		0
2211.501	AGGREGATE BASE, CLASS 2	TON			2748	2136	107	47	95	345	530	3449	3022	107 *	2203
2211.501	AGGREGATE BASE, CLASS 5	TON		600	143	250			632	352	363	1727	1845		3280
2211.501	AGGREGATE BASE, CLASS 4	TON		705						763	650	1468	1355		2128
2301.501	CONCRETE PAVEMENT	S.Y.		2032	718	718	493	463	664	1648	1648	6513	6513	495 *	7105
2301.511	STRUCTURAL CONCRETE	C.Y.		508	226	226	123	116	166	412	412	1675	1675	124 *	1776
2331.504	BITUMINOUS MATERIAL FOR MIXTURE	TON		31					22	29	30	82	83		26
2331.512	LEVELING COURSE MIXTURE	TON		325					435	585	585	1345	1345		102
2331.514	BASE COURSE MIXTURE	TON		323							29	323	352		472
2341.504	BITUMINOUS MATERIAL FOR MIXTURE	TON		24	82	60			13	43	53	102	150		124.40
2341.508	WEARING COURSE MIXTURE	TON		392	753	577			53	487	573	1695	1605		1363
2341.510	BINDER COURSE MIXTURE	TON			697	474			180	260	340	1137	994		655
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON		197	634	377			400	620	753	1851	1727		848
2358.501	BITUMINOUS MATERIAL FOR PRIME COAT	GALLON		624	2219	1576			824	246	478	3913	3502		1358
2361.504	ASPHALT CEMENT	TON							20			20	20		23
2361.508	WEARING COURSE MIXTURE	TON							217			217	217		288
2506.516	CASTING ASSEMBLIES (700-7)	EACH				1							1		
2503.511	18"(R.C.) PIPE SEWER, CL. II	L.F.					6					6	6		4
2503.511	15"(R.C.) PIPE SEWER, CL. IV	L.F.			87	106				28	94	115	200		131
2503.511	24"(R.C.) PIPE SEWER, CL. II	L.F.					4					4	4		0
2506.509	CONSTRUCT CATCH BASINS, DESIGN R.C.-2	EACH			4	5				5	7	9	12		12
2506.516	CASTING ASSEMBLIES	EACH			4	5				5	5	12	13	3 *	14
2506.522	ADJUST FRAME AND RING CASTING	EACH		5	5	5			5	5	5	20	20		27
2506.509	CONSTRUCT CATCH BASINS, DESIGN L.P.-4-3	EACH					3					3	3		3
2521.501	4" CONCRETE WALK	S.F.							1704	1620	1128	3324	2832		2074
2531.501	CONCRETE CURB & GUTTER, MODIFIED	L.F.							347			347	347		236
2531.502	CONCRETE CURB, DESIGN B6	L.F.		156	1772	220	62		170	2670	1808	4924	2510	94 *	2641
2531.503	CONCRETE MEDIAN TYPE A	S.Y.		690	689	689	441	218	459	340	340	2837	2837		2761
2531.503	CONCRETE MEDIAN TYPE B	S.Y.		338	550					621	361	1509	699		636
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	S.Y.					31		160	21	55	212	246		483
2535.501	BITUMINOUS CURB	L.F.			560	1900			1180		1246	1740	4326		1807
2535.501	BITUMINOUS CURB (DESIGN S)	L.F.							1190			1190	1190		1476
2506.509	CONSTRUCT CATCH BASINS, DESIGN A OR F	EACH				1							1		0
2575.505	SODDING	S.Y.		764	447	447			378	593	692	2182	2281		3941
2575.531	COMMERCIAL FERTILIZER, ANALYSIS 12-12-12	TON		0.06	0.03	0.03			0.03	0.04	0.05	0.16	0.17		.30
2575.551	TOPSOIL BORROW	C.Y.		84	50	50			42	66	76	242	252		186
2571.541	TRANSPLANT TREE (5" HARD MAPLE)	TREE									1		1		0
504.679	ADJUST VALVE BOX	BOX		5	5	5			5	5	5	20	20		17

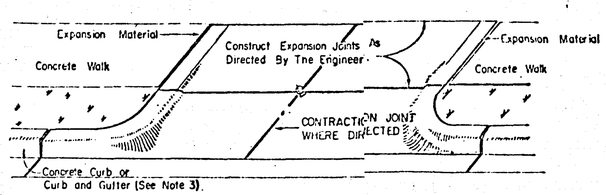
(1) CASTING ASSEMBLIES STANDARD PLATE NO. 4102C

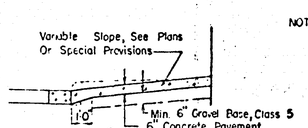
*THESE FIGURES ARE ADDED IN THE TOTAL FOR THE REPLACEMENT OF BAD PANELS BETWEEN LEXINGTON AVE. & DALE ST. THAT ARE NOT SHOWN ON THE PLANS. THE ENGINEER WILL DETERMINE WHICH PANELS WILL BE REPLACED.

STANDARD DETAIL PLATES

0001 A	SPECIFICATION REFERANCE TO STANDARD PLATES
1016D	CONCRETE PAVEMENT NON-RE-INFORCED
1120M	CONTRACTION JOINT
1140J	LONGITUDINAL JOINTS
1141B	PAVEMENT KEYWAY FOR KEYED JOINT CONSTRUCTION
1150M	CONSTRUCTION OF HEADER JOINTS
3000F	REINFORCED CONCRETE PIPE
4102C	MANHOLE OR CATCH BASIN RING CASTING
4108D	MANHOLE ADJUSTING RINGS
7020E	CONCRETE CURBS
7065C	BITUMINOUS CURB
7105C	CONCRETE MEDIAN
7111D	INSTALLATION OF CATCH BASIN CASTINGS
8000C	STANDARD BARRICADES
8008D	CONTRACTORS SIGN

CONCRETE DRIVEWAY

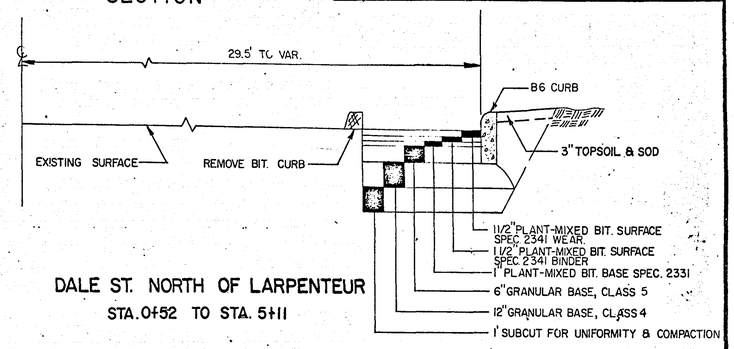




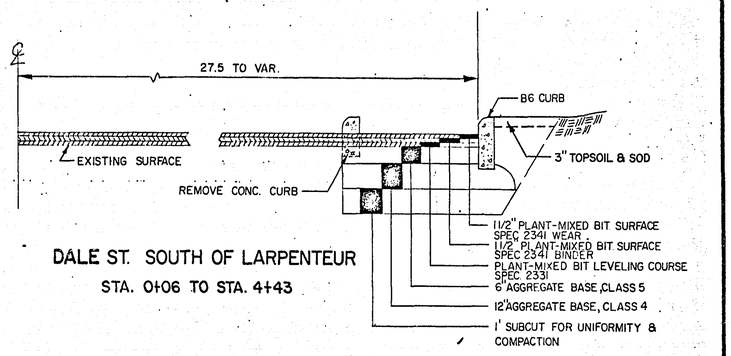
SECTION ON ℄ DRIVEWAY

NOTE:
1 CONTRACTION JOINT REQUIRED IF WIDTH EXCEEDS 16'
2 THE EXACT LOCATION AND WIDTH OF ENTRANCES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3 GUTTER TO BE PAVED INTEGRAL WITH DRIVEWAY PAVEMENT WHERE CURB AND GUTTER IS USED.
5 DRIVEWAY WIDTH, RESIDENTIAL MIN 12', MAX 22', COMMERCIAL 90°=32', 60°=26'
6 RADIUS - RESIDENTIAL IS 5', COMMERCIAL IS MIN 5' - MAX 15' ALL TO BE VARIFIED BY THE ENGINEER

TYPICAL SECTION



DALE ST. NORTH OF LARPENTEUR
STA. 0+52 TO STA. 5+11



DALE ST. SOUTH OF LARPENTEUR
STA. 0+06 TO STA. 4+43

CLEARING & GRUBBING CHART

STA.	LOCATION	TYPE	CLEAR	GRUB
	HAMLINE AVE.			
3+76	LT. 19'	24" MAPLE	1	1
3+88	RT. 31'	10" ELM	1	1
4+29	RT. 31'	24" ELM	1	1
4+68	RT. 31'	20" ELM	1	1
5+42	RT. 31'	18" ELM	1	1
5+50	LT. 24'	15" ELM	1	1
5+68	RT. 31'	16" ELM	1	1
6+03	RT. 31'	10" ELM	1	1
10+49	LT. 26'	12" ELM	1	1
10+97	LT. 26'	8" ELM	1	1
12+42	LT. 26'	24" ELM	1	1
	LEXINGTON AVE.			
6+55	RT. 22'	14" ELM	1	1
~~24+02~~	DALE ST.			
2+02	LT 40'	18" WILLOW	1	1
	ALTA VISTA			
2+33	LT 80'	8" MAPLE	1	1

AS BUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: GARY AMUNRUD
DATE: 1-27-77

REVISED 6-7-73
BY. C.M.

MICROFILMED
RAMSEY CO. ENGR.

Fed. Proj No. EHS T 5007 (004)

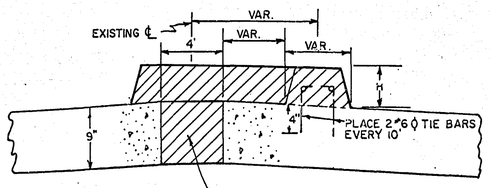
State Proj. No. 62-630-17

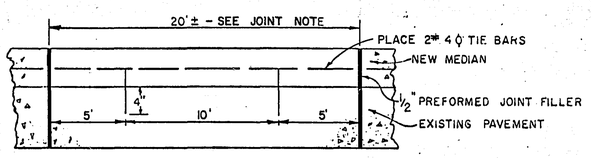
Sheet No. 2A of 9 Sheets

18-117

CONCRETE PAVEMENT
THE TRANSVERSE JOINTS SHALL ALIGN WITH LIKE JOINTS IN EXISTING PAVEMENT AS SHOWN IN STANDARD PLATE NO. 1120K
THE LONGITUDINAL JOINTS SHALL BE FORMED BE REMOVABLE INSERTS AS SHOWN IN STANDARD PLATE NO. 1140 J
CONCRETE TREATING OIL AND AIR CONTENT SHALL BE AS PROVIDED IN 2301.

CONCRETE MEDIAN TIE BARS
DRILL 1" DIAMETER HOLES FOR TIE BARS. BACKFILL HOLES WITH GROUT CONSISTING OF 2 PARTS CEMENT SAND AND 1 PART PORTLAND CEMENT. POUND TIE BARS INTO HOLES IMMEDIATELY AFTER GROUT IS PLACED. GROUTING AND PLACING TIE BARS SHALL BE DONE IN CONJUNCTION WITH PLACEMENT OF CONCRETE FOR CONCRETE MEDIAN.
SEE PLAN SHEETS FOR LOCATION OF MEDIANS.
THE HEIGHT OF THE MEDIAN SHALL BE AS SHOWN IN STANDARD PLATE 7105 C
DRILLING, GROUTING, & PLACEMENT OF BARS SHALL BE INCIDENTAL TO ITEM NO. 2531.503





LONGITUDINAL SECTION

DETAIL B

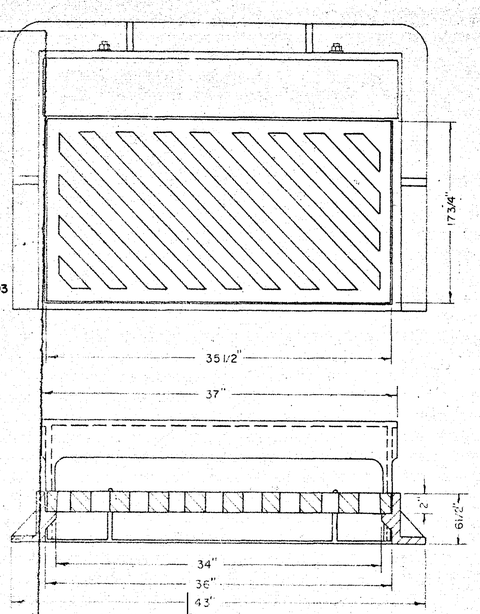
CONCRETE MEDIAN TYPE A.
SEE DETAIL ABOVE

CONCRETE MEDIAN TYPE B
SEE STANDARD PLATE NO. 7105C

NOTE: TYPE A & TYPE B MEDIAN SHALL BE BID UNDER PAY ITEM NO. 2531.503

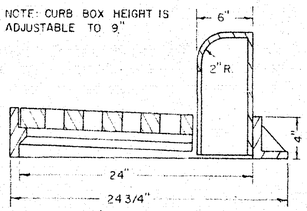
CATCH BASIN GRATE, FRAME & CURB BOX

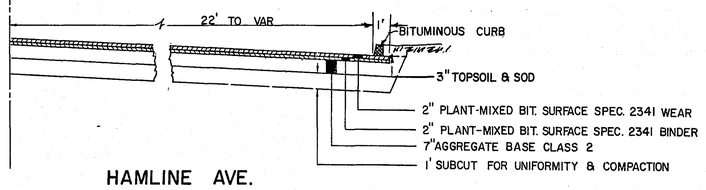
TYPICAL



MATERIAL: CAST GRAY IRON
CLASS 30
MHD SPEC. REFERENCE 3321

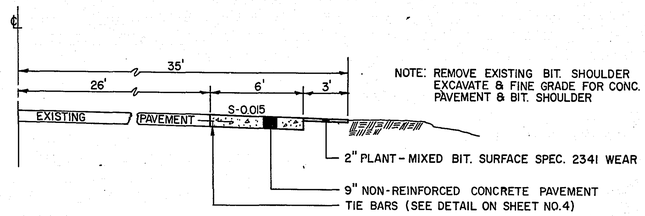
NOTE: CURB BOX HEIGHT IS ADJUSTABLE TO 9"



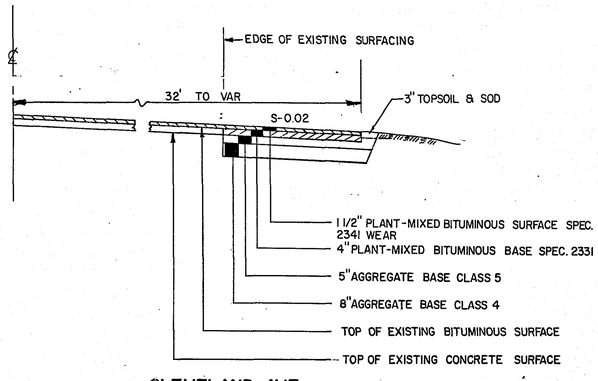


HAMLINE AVE.
NORTH OF LARPENTEUR STA. 8+55 TO STA. 13+85
SOUTH OF LARPENTEUR STA. 3+20 TO STA 7+45

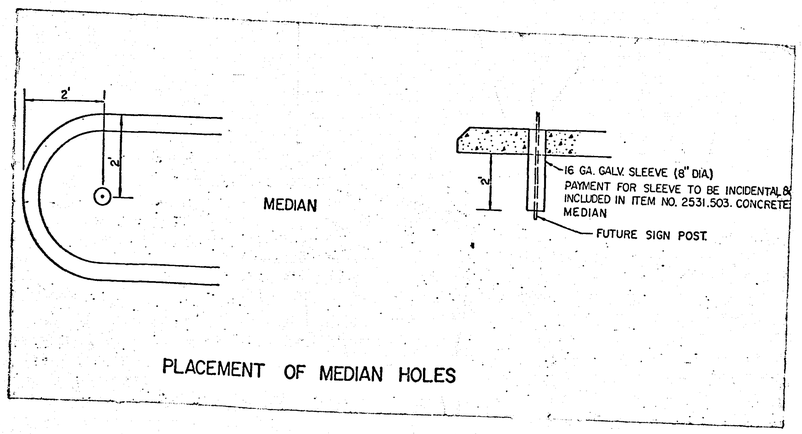
SECTIONS



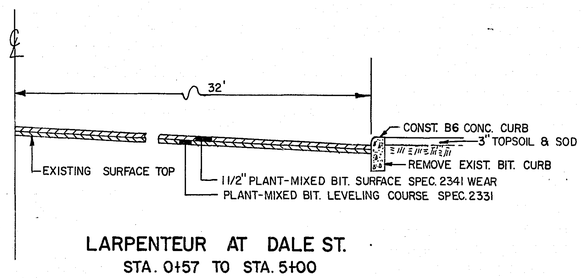
LARPENTEUR AT CLEVELAND
RT. & LT. STA. 48+47 TO STA. 58+57



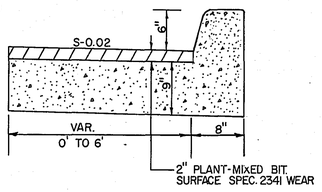
CLEVELAND AVE.
NORTH OF LARPENTEUR
SOUTH OF LARPENTEUR



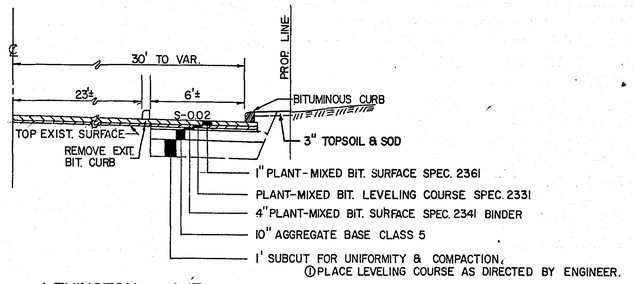
PLACEMENT OF MEDIAN HOLES



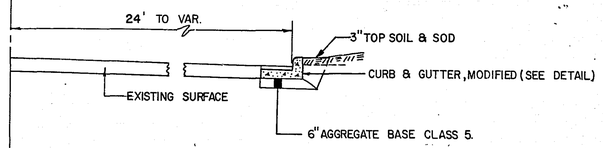
LARPENTEUR AT DALE ST.
STA. 0+57 TO STA. 5+00



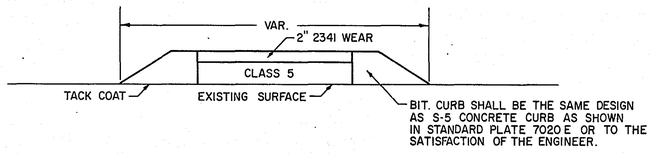
CURB & GUTTER
(MODIFIED)



LEXINGTON AVE.
NORTH OF LARPENTEUR AVE.



LEXINGTON AVE. SO. OF LARPENTEUR AVE.



BITUMINOUS MEDIAN

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: Gary Anwyl
DATE: 1-27-77

REVISED 9-14-72

FED. NO. EHS T 5007 (004)

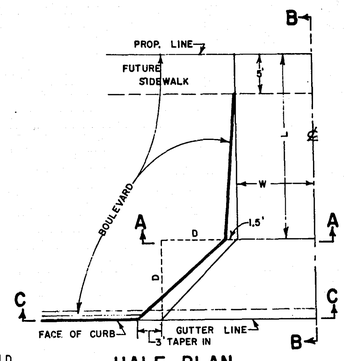
DRAINAGE CHART

STATION	LOCATION	NO.	TYPE	DESIGN	CONST. HEIGHT LIN. FT.	CASTING ASSEMBLY	ELEVATION: PROFILE	ELEVATION: ORIGINAL GRATE OR RING	ELEVATION: NEW GRATE OR RING	ELEVATION: C.B. OR M.H. INVERT	ADJUST CASTING ASSEMBLY	RECONSTRUCT C.B. OR M.H. LIN. FT.	INSTALL CASTING ASSEMBLY	INSTALL CONCRETE PIPE SEWER LINEAR FEET: 12"	15"	18"	24"	18" ARCH	MOVING M.H. OR C.B.	REMOVE PIPE SEWER LIN. FT.		CLASS	DRAINS TO: STRUCTURE NO.	DRAINS TO: INV. EL.	REMARK
FERNWOOD																									
37+60	LT. 35'	1																							O.K. LEAVE
37+63	RT. 35'	2																							O.K. LEAVE
37+69	LT. 35'	3	CB																						REMOVE
37+66	RT. 35 ±	4	CB																						REMOVE
37+70	LT. 36 ±	5	CB	L.P 4	3.0	E											4 ±								DRAIN TO 42" RCP
37+76 ±	LT. 36 ±	6	CB	L.P 4	3.0	E										2' ± 4' ±							5		
37+66	RT. 36 ±	7	CB	L.P 4	3.0	E																			
HAMLINE AVE.																									
26+40	LT.57	7	CB																	43					REMOVE
26+83	LT.57	8	CB																						REMOVE
26+35.5	LT.57	9	CB	R.C.2	5.0	A			943.5±	938.7±					43							IV			
26+83±	LT.57	10	CB	R.C.2	4.5	A			943.4±	939.1±															
26+13	RT.35	11	CB																						REMOVE
26+13	RT 37.5	12	CB	R.C.2	4.5	A			943.2±	938.9±					4							IV			
4+90 ±	RT. 20'	12A	CB																	.30					REMOVE
4+90±	RT. 21.5	12B	CB	R.C.2	4.5	A									34							IV			
DALE ST.																									
0+21	LT.57	13	CB																						REMOVE
3+50	LT.31.5	14	CB																	16					REMOVE
0+31	LT.57	15	CB	R.C.2		A			918.8	14.9					20							IV			
3+50	LT.31.5	16	CB	R.C.2	3.2	A																			CONSTRUCT. IN THE SAME LOCATION AS OLD.
3+50	RT.31.5	17	CB	R.C.2	3.3	A																			CONSTRUCT. IN THE SAME LOCATION AS OLD.
2+05±	LT.25	18	CB																						REMOVE
2+05±	RT.25	19	CB																						REMOVE
2+05±	LT.27	20	CB	R.C.2	2.5	A									4							IV			
2+05±	RT.27	21	CB	R.C.2	2.4	A									4							IV			
3+50±	R.T. 31.5'	14A	CB																						REMOVE
Hamline Ave 4+98	Lt. 22'	12C	CB	RC-2																					
TOTAL														109	6	4				89					

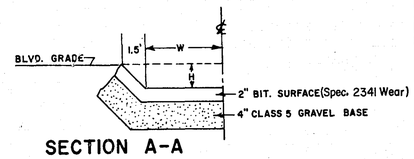
NOTE: WHERE ANY MANHOLES ARE LOCATED IN A PANEL OR PORTION OF PAVEMENT THAT IS TO BE REMOVED AND REPLACED TELESCOPING TYPE OF RING SHALL BE USED AS SHOWN IN STANDARD PLATE Nº 4102 C

CASTING ASSEMBLIES — A = SEE SHEET NO. 3; E = RING CASTING MHD NO. 790-2 MHD COVER CASTING NO. 712 (INCLUDED WITH STRUCTURE, NOT SEPARATE PAY ITEM.)

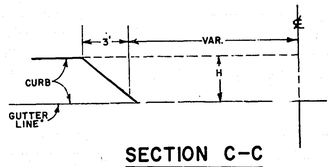
BITUMINOUS ENTRANCE DETAILS



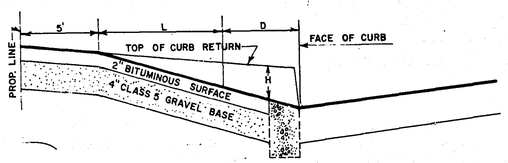
HALF PLAN



SECTION A-A



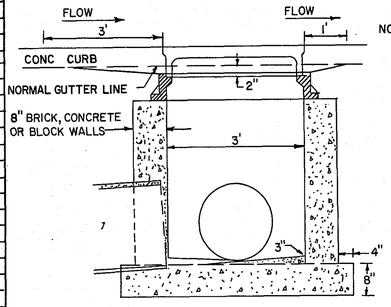
SECTION C-C



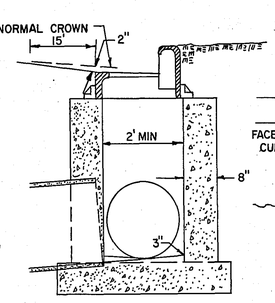
SECTION B-B

NOTE: D = RESIDENTIAL 5' COMMERCIAL IS MIN. 5' MAX. 15' ALL TO BE VARIFIED BY THE ENG. W = RESIDENTIAL IS 6' MIN. 11' MAX. COMMERCIAL IS 16' FOR 90°, 13' FOR 60° THE EXACT LOCATION AND WIDTH OF ENTRANCES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER

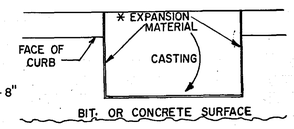
CATCH BASIN DESIGN NO. R.C.-2



FRONT VIEW



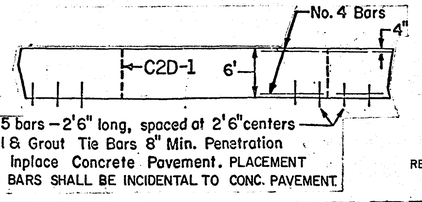
SIDE VIEW



TOP VIEW

* EXPANSION MATERIAL PLACED ONLY IN CONCRETE AREAS

L3 MODIFIED — FOR CONCRETE WIDENING AT CLEVELAND AVENUE



ASBUILT PLAN
CONFORMING TO CONST. RECORDS
DONE BY: Gary Amundrud
DATE: 1-27-77

REVISED 9-14-72

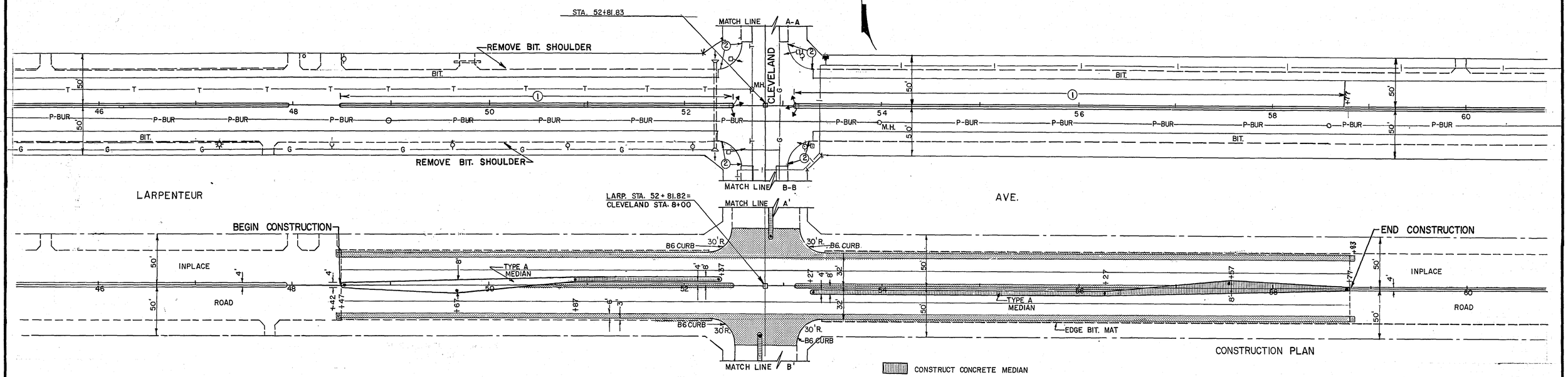
STATE PROJ. NO. 62-630-17

MICROFILMED RAMSEY CO. ENGR.

SHEET 4 OF 9 SHEETS

18-117

FED. PROJ. NO. EHS T 5007(004)



CONSTRUCTION PLAN

CONSTRUCT CONCRETE MEDIAN

CONSTRUCT 9" CONCRETE PAVEMENT (H.E.S. CONCRETE) 4

CONSTRUCT 3' BIT. SHOULDER

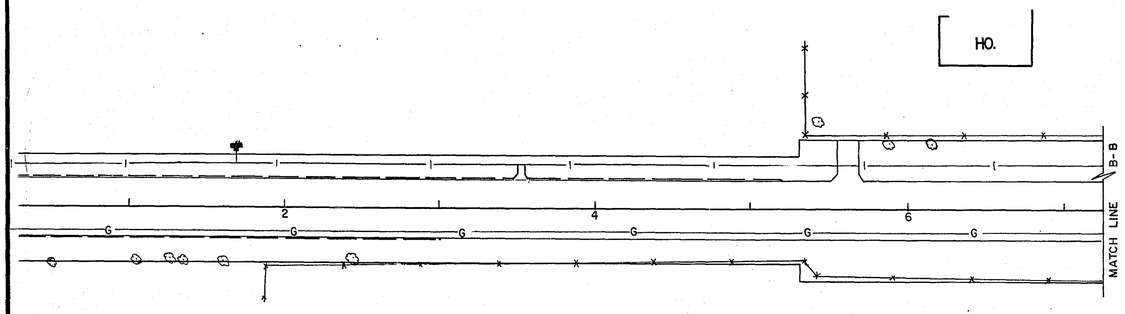
① REMOVE EXISTING MEDIAN

② REMOVE EXISTING CURB

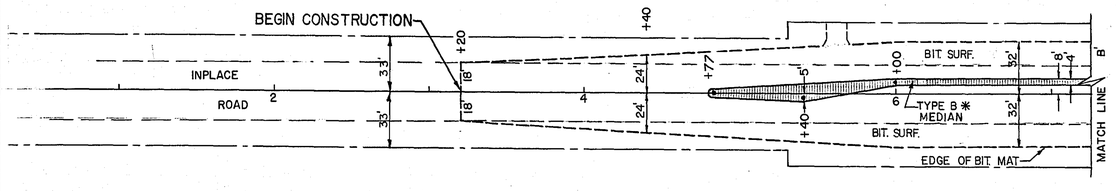
NOTE: • DENOTES MEDIAN HOLES SEE SHEET 3

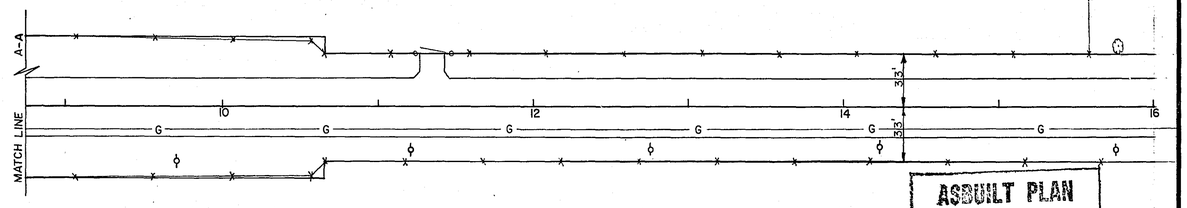
④ REMOVE EXISTING BASE AND PLACE CLASS 5 BASE WHERE DIRECTED BY ENGINEER ON ENTIRE PROJECT. PAYMENT TO BE MADE IN LIKE ITEMS.

HO.

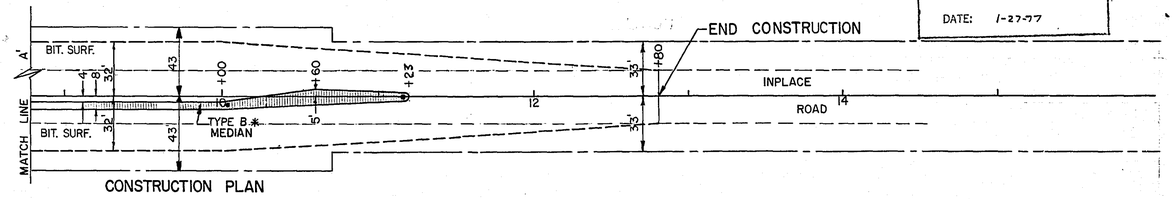


CLEVELAND





AVE.



CONSTRUCTION PLAN

* NOTE: EXISTING BIT. SURFACE SHALL BE SAW CUT PRIOR TO BIT. PAVEMENT REMOVAL TO EXISTING CONCRETE BASE.

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: GARY AMUNRUD
DATE: 1-27-77

STATE PROJ. NO. 62-630-17

MICROFILMED RAMSEY CO. ENGR.

SHEET NO. 5 OF 9 SHEETS

18-117

CONSTRUCT CONCRETE MEDIAN

CONSTRUCT 9" CONCRETE PAVEMENT (H.E.S. CONCRETE) (4)

(1) REMOVE EXISTING MEDIAN

(2) REMOVE EXISTING CURB

NOTE: • DENOTES MEDIAN HOLES SEE SHEET 3

(4) REMOVE EXISTING BASE AND PLACE CLASS 5 BASE WHERE DIRECTED BY ENGINEER ON ENTIRE PROJECT. PAYMENT TO BE MADE IN LIKE ITEMS.

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: Gary Amundson
DATE: 1-27-77

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY:
DATE:

APPROVED John T. Finley DATE 4/30/73
VICE CHAIRMAN, RAMSEY COUNTY BOARD

RECOMMENDED FOR APPROVAL ________ DATE ____
CITY OF ST. PAUL

RECOMMENDED FOR APPROVAL ________ DATE ____
VILLAGE OF FALCON HTS.

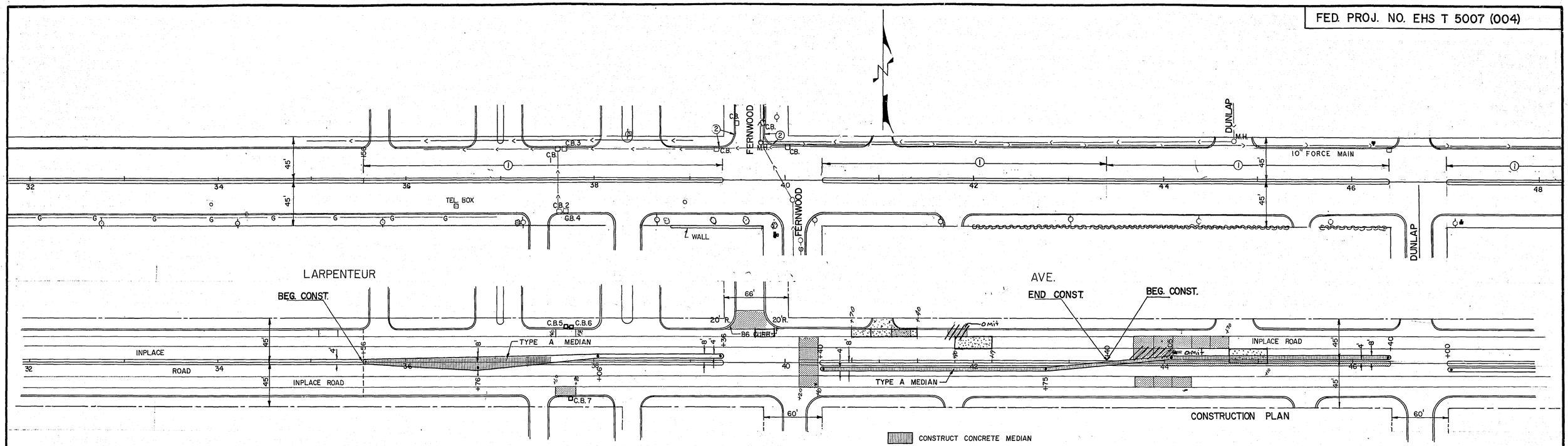
RECOMMENDED FOR APPROVAL ________ DATE ____
VILLAGE OF ROSEVILLE

REVISED 10-3-72
REVISED 3-21-73
REVISED 4-17-73

MICROFILMED RAMSEY CO. ENGR.

STATE PROJ. NO. 62-630-17 SHEET NO. 6 OF 9 SHEETS

18-117



CONSTRUCT CONCRETE MEDIAN

CONSTRUCT 9" CONCRETE PAVEMENT (H.E.S. CONCRETE) ④

CONSTRUCT 6" CONCRETE DRIVEWAY PAVEMENT

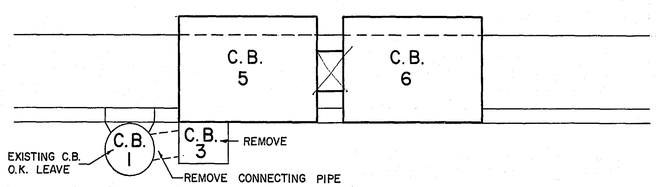
① REMOVE EXISTING MEDIAN

② REMOVE EXIST CURB

NOTE: • DENOTES MEDIAN HOLES SEE SHEET 3

④ REMOVE EXISTING BASE AND PLACE CLASS 5 BASE WHERE DIRECTED BY ENGINEER ON ENTIRE PROJECT. PAYMENT TO BE MADE IN LIKE ITEMS.

Additional 9" Concrete Pavement



OMIT

CONST. 2 K.P. 4 X H WITH SUITABLE 18" DIA. CONNECTOR BETWEEN C.B.'S 5 & 6 USE 24" R.C.P. INTO 42" MAIN SEWER AS DIRECTED BY ENGINEER.

EXCAVATE AREA BETWEEN CURB AND 42" R.C.P. TO DETERMINE BEST METHOD OF CONSTRUCTION AND TIEING INTO 42" R.C.P.

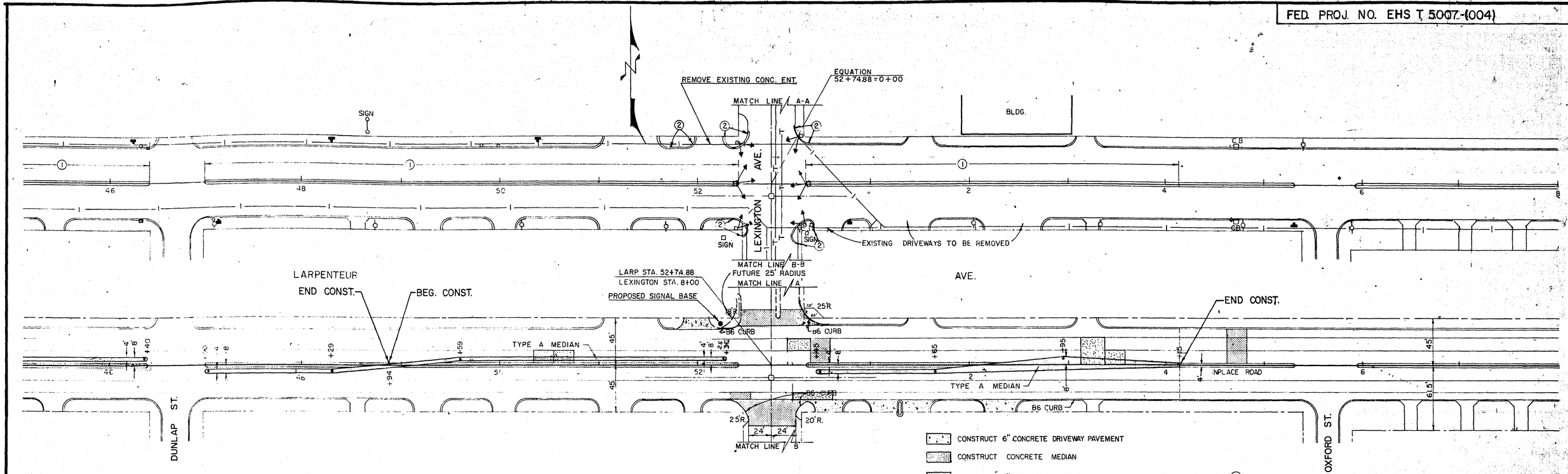
ASBUILT PLAN
CONFORMING TO
CONST. RECORDS

DONE BY: Gary Amundud

DATE: 1-27-77

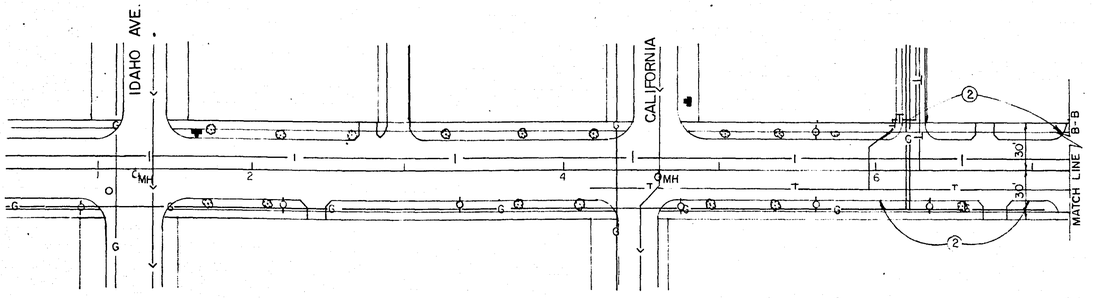
18-117

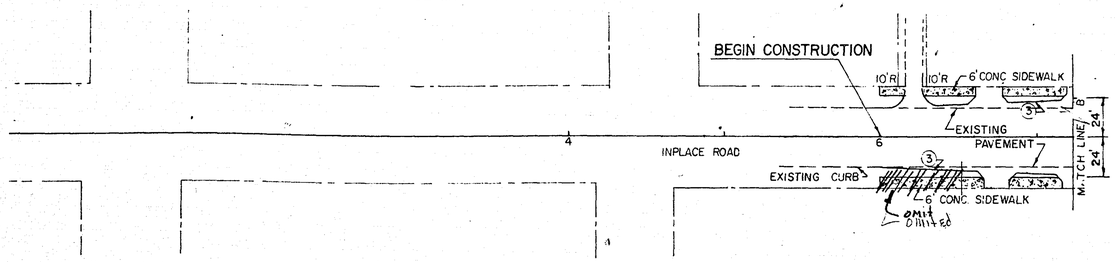
FED. PROJ. NO. EHS T 5007-(004)

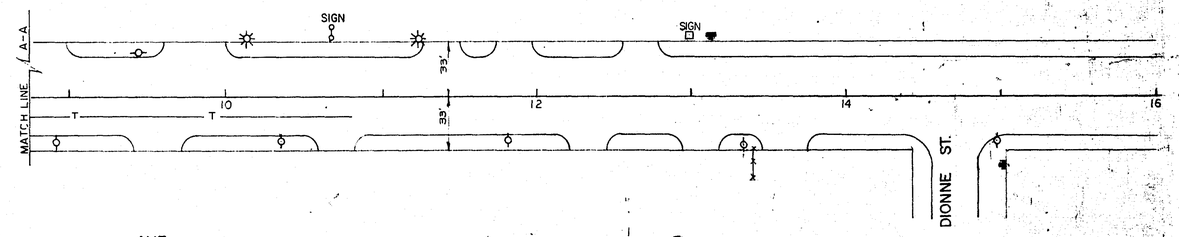


ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY:
DATE:

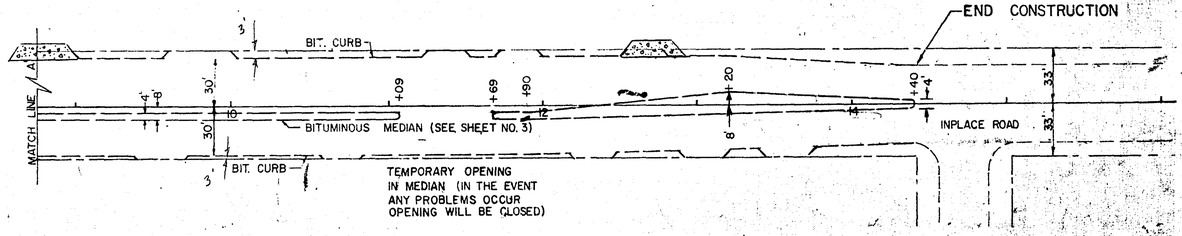
ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: Gary Amundrud
DATE: 1-27-77







AVE



REVISED 4-12-73

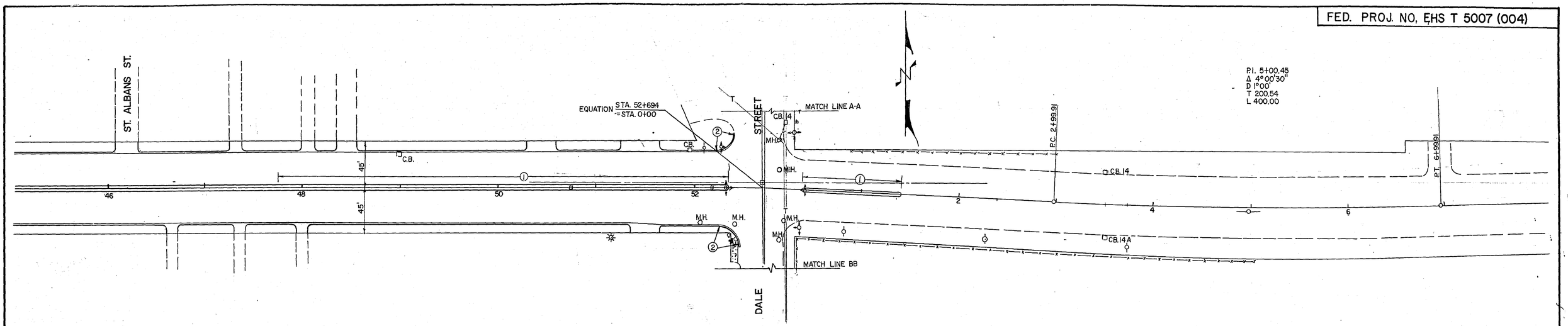
STATE PROJ. NO. 62-630-17

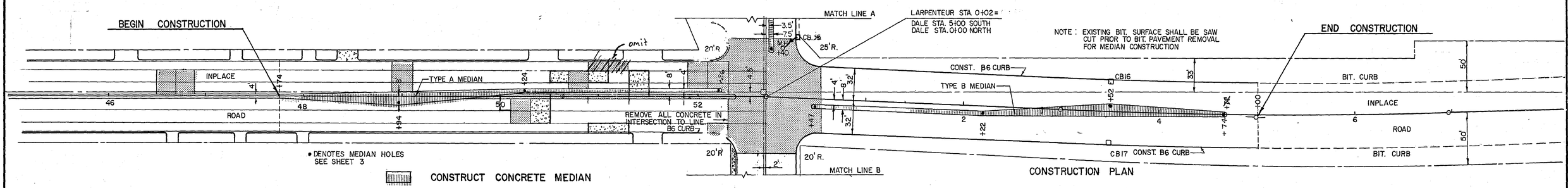
MICROFILMED RAMSEY CO. ENGR.

SHEET 8 OF 9 SHEETS

18-17-3

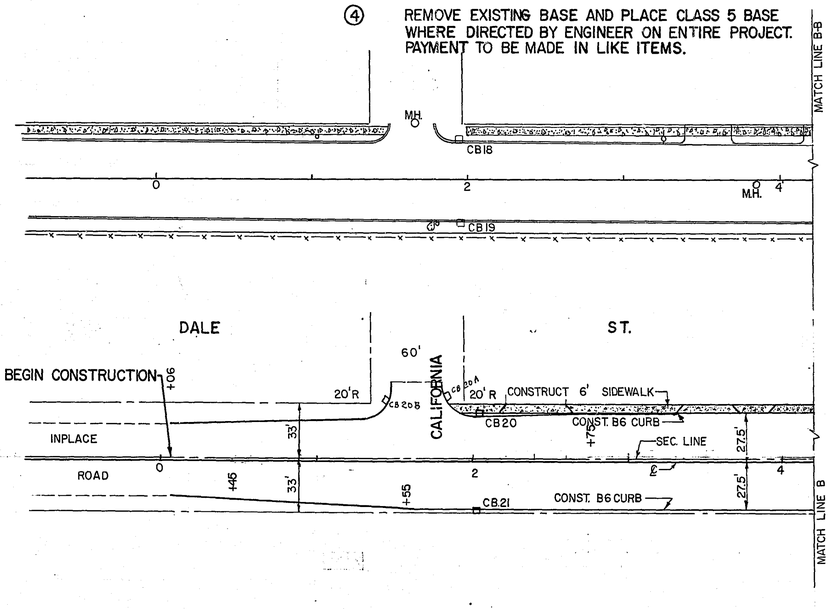
FED. PROJ. NO. EHS T 5007 (004)

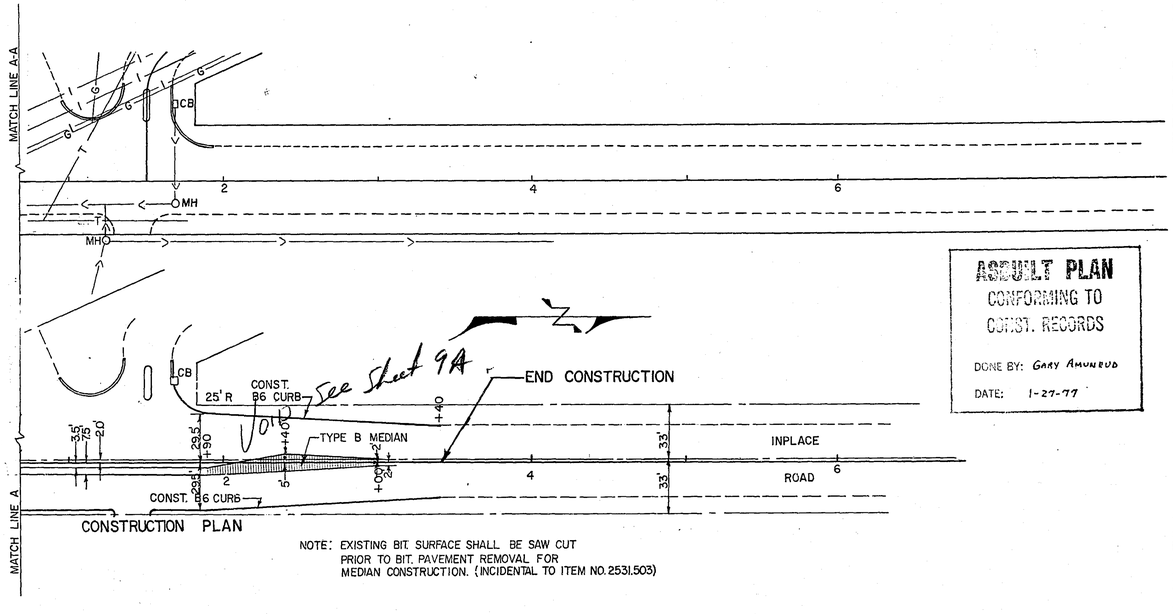




- CONSTRUCT CONCRETE MEDIAN
- CONSTRUCT 9" CONCRETE PAVEMENT (H.E.S. CONC.) ④
- CONSTRUCT 6" CONCRETE DRIVEWAY PAVEMENT
- ① REMOVE CONCRETE MEDIAN
- ② REMOVE EXISTING CURB
- ④ REMOVE EXISTING BASE AND PLACE CLASS 5 BASE WHERE DIRECTED BY ENGINEER ON ENTIRE PROJECT. PAYMENT TO BE MADE IN LIKE ITEMS.

Additional 9" Concrete Pavement





NOTE: EXISTING BIT. SURFACE SHALL BE SAW CUT PRIOR TO BIT. PAVEMENT REMOVAL FOR MEDIAN CONSTRUCTION. (INCIDENTAL TO ITEM NO. 2531.503)

AS BUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: GARY AMUNDSON
DATE: 1-27-77

REVISED 9-15-72

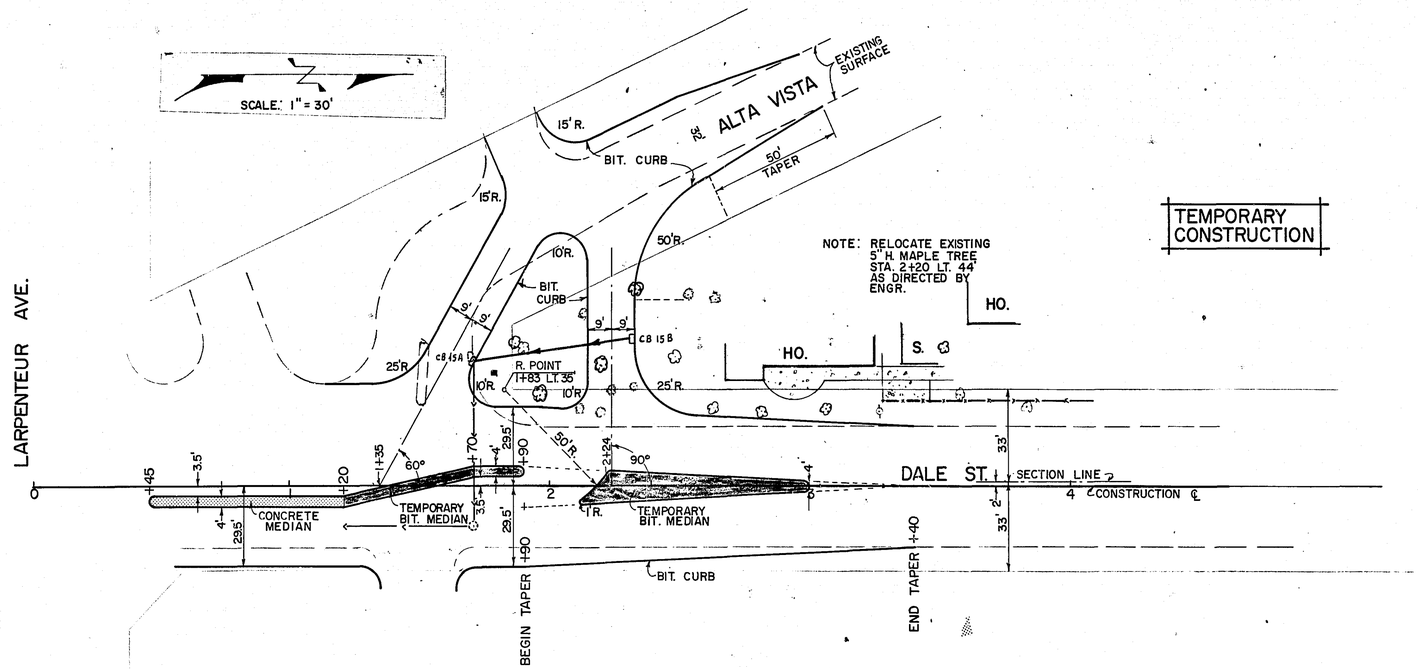
MICROFILMED BY RAMSEY CO. ENGR.

STATE PROJ. NO. 62-630-17

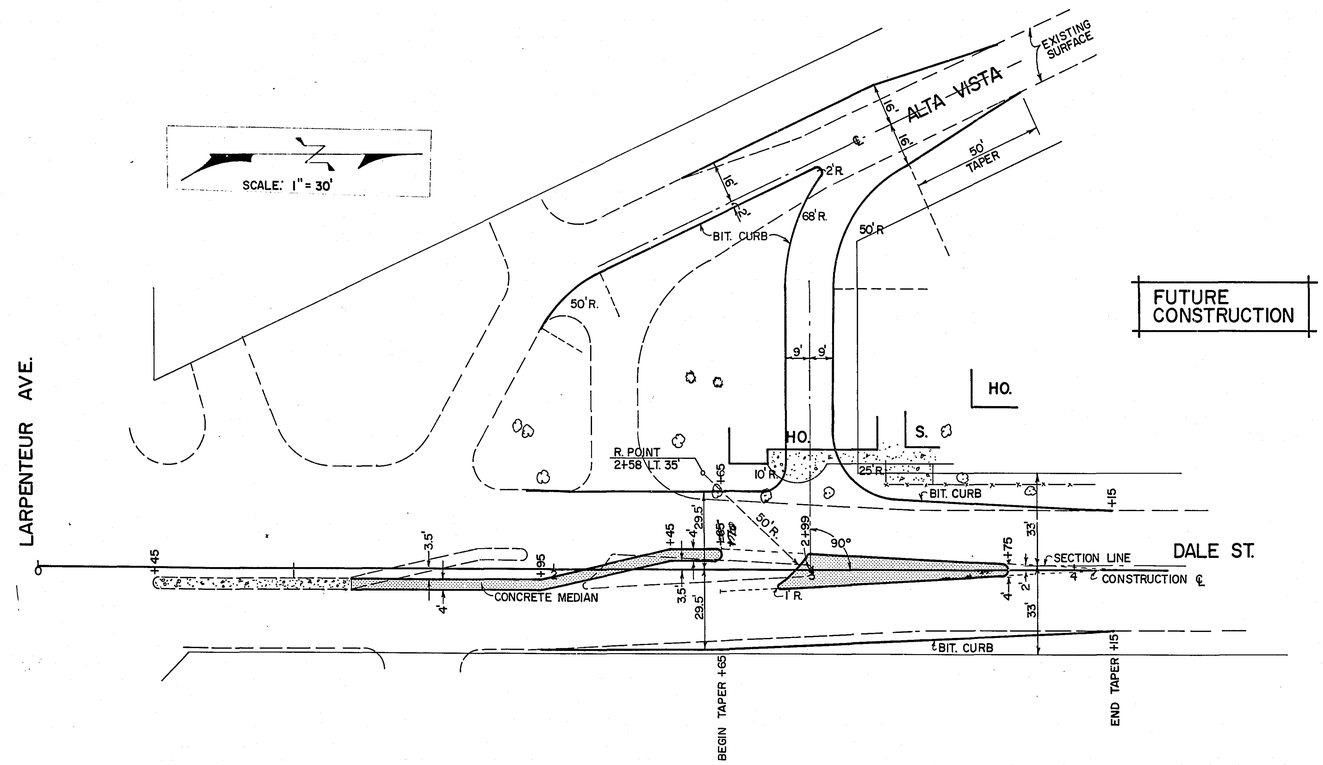
SHEET 9 OF 9 SHEETS

18-117 2

FED. PROJ. NO. EHS T 5007 (004)



ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: GARY AMUNRUD
DATE: 1-27-77



APPROVED John T. Finley DATE 4/30/73
VICE CHAIRMAN, RAMSEY COUNTY BOARD

RECOMMENDED FOR APPROVAL _____ DATE _____
VILLAGE OF ROSEVILLE

REVISED 3-21-73

MICROFILMED
RAMSEY CO. ENGR.

STATE PROJ. NO. 62-630-17

SHEET NO. 9A ~~9OF 9~~ SHEETS

18-117