

STATEMENT OF ESTIMATED QUANTITIES				AVERAGE 3 LOWEST BIDDERS	Aschbach Const. Co.		TOTAL ASPHALT		SHAPER CONTR. CO.		BITUMINOUS RAWYS.									
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITIES		UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
2021.501	MOBILIZATION	LUMP SUM	1		3,333.33	2,500.00	2,500.00	2,500.00	5,000.00	5,000.00	4,000.00	4,000.00								
2101.502	CLEARING	TREE	17		72.33	120.00	2,040.00	50.00	850.00	50.00	850.00	30.00	510.00							
2101.507	GRUBBING	TREE	17		61.67	100.00	1,700.00	35.00	595.00	50.00	850.00	25.00	425.00							
2104.501	REMOVE CONCRETE CURB & GUTTER	L.F.	595		1.50	1.00	595.00	1.50	892.50	2.00	1,190.00	2.00	1,190.00							
2104.501	REMOVE 12" C.M.P.	L.F.	15		6.00	3.00	45.00	10.00	150.00	5.00	75.00	4.40	66.00							
2104.505	REMOVE CONCRETE MEDIAN	SY.	225		4.30	2.50	562.50	3.40	765.00	7.00	1,575.00	7.50	1,687.50							
2104.509	REMOVE CATCH BASIN	EACH	1		88.33	25.00	25.00	90.00	150.00	150.00	165.00	165.00	165.00							
2104.521	SALVAGE GUARDRAIL	L.F.	260		1.45	1.75	455.00	1.30	338.00	1.30	338.00	1.45	377.00							
2105.501	COMMON EXCAVATION	C.Y.	1,986		2.70	2.25	4,468.50	2.85	5,660.10	3.00	5,958.00	4.25	8,440.50							
2105.523	COMMON BORROW (E.V.)	C.Y.	2,185		4.73	5.20	11,362.00	5.50	12,017.50	3.50	7,647.50	5.25	11,471.25							
2331.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	25		166.67	160.00	4,000.00	170.00	4,250.00	170.00	4,250.00	170.00	4,250.00							
2331.510	BINDER COURSE MIXTURE	TON	96		17.40	18.90	1,814.40	16.65	1,598.40	16.65	1,598.40	25.00	2,400.00							
2331.514	BASE COURSE MIXTURE	TON	350		14.68	14.65	5,127.50	14.70	5,145.00	14.70	5,145.00	17.00	5,950.00							
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	85		2.40	1.20	102.00	3.00	255.00	3.00	255.00	2.50	212.50							
2361.504	ASPHALT CEMENT	TON	7		166.67	160.00	1,120.00	170.00	1,190.00	170.00	1,190.00	170.00	1,190.00							
2361.508	WEARING COURSE MIXTURE	TON	96		26.00	24.00	2,304.00	27.00	2,592.00	27.00	2,592.00	30.00	2,880.00							
2506.509	CONSTRUCT CATCH BASIN DESIGN RC-2	EACH	1		816.67	800.00	800.00	800.00	850.00	850.00	770.00	770.00	770.00							
2506.512	RECONSTRUCT CATCH BASIN DESIGN LP-4	L.F.	3		300.00	300.00	900.00	400.00	1,200.00	200.00	600.00	275.00	825.00							
2554.521	ANCHORAGE ASSEMBLIES	EACH	1		180.00	200.00	200.00	170.00	170.00	170.00	170.00	187.00	187.00							
2531.501	CONCRETE CURB & GUTTER DESIGN B624	L.F.	870		7.05	7.65	6,655.50	7.00	6,090.00	6.50	5,655.00	6.00	5,220.00							
2531.503	CONCRETE MEDIAN	SY.	400		24.83	22.50	9,000.00	20.00	8,000.00	32.00	12,800.00	33.00	13,200.00							
2575.501	ROADSIDE SEEDING	ACRE	0.5		283.33	250.00	125.00	200.00	100.00	400.00	200.00	1,500.00	750.00							
2575.502	MIXTURE 6	POUND	38		2.50	3.00	114.00	2.50	95.00	2.00	76.00	4.00	152.00							
2575.511	MULCH MATERIAL, TYPE 5	TON	0.4		610.00	730.00	292.00	600.00	240.00	500.00	200.00	300.00	120.00							
301.604	SAWING CONCRETE MEDIAN	L.F.	29		2.88	1.45	47.85	4.00	116.00	3.00	87.00	6.00	174.00							
331.603	SAWING BITUMINOUS PAVEMENT SURFACE	L.F.	975		1.95	1.10	1,072.50	2.75	2,681.25	2.00	1,950.00	1.75	1,706.25							
554.603	INSTALL SALVAGED GUARDRAIL	L.F.	210		4.83	5.50	1,155.00	4.50	945.00	4.50	945.00	4.95	1,039.50							
554.607	F & I. TWISTED END TREATMENT	EACH	1		425.00	475.00	475.00	400.00	400.00	400.00	440.00	440.00	440.00							
					\$ 59,057.75		\$ 59,725.75		\$ 62,596.90		\$ 69,798.50									

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS

DONE BY: *[Signature]*
DATE: 3/18/82

STATEMENT OF ESTIMATED QUANTITIES				UNIT PRICE	Final		QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
ITEM NO.	ITEM	UNIT	ESTIMATED QUANTITIES		QUANTITY	AMOUNT																
2021.501	MOBILIZATION	LUMP SUM	1	2500.00	1.00	2500.00																
2101.502	CLEARING	TREE	17	120.00	11.00	1320.00																
2101.507	GRUBBING	TREE	17	100.00	11.00	1100.00																
2104.501	REMOVE CONCRETE CURB & GUTTER	LF	595	1.00	661.00	661.00																
2104.501	REMOVE 12" C.M.P.	LF	15	3.00	16.00	48.00																
2104.505	REMOVE CONCRETE MEDIAN	SY	225	2.50	233.60	582.50																
2104.509	REMOVE CATCH BASIN	EACH	1	25.00	1.00	25.00																
2104.521	SALVAGE GUARDRAIL	LF	260	1.75	267.00	467.25																
2105.501	COMMON EXCAVATION	CY	1,986	2.25	1986.00	4468.50																
2105.523	COMMON BORROW (E.V.)	CY	2,185	5.20	507.00	2,636.40																
2331.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	25	160.00	19.60	3136.00																
2331.510	BINDER COURSE MIXTURE	TON	96	18.90	76.17	1,439.61																
2331.514	BASE COURSE MIXTURE	TON	350	14.65	360.00	5,274.00																
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	85	1.20	123.00	147.60																
2361.504	ASPHALT CEMENT	TON	7	160.00	6.09	974.48																
2361.508	WEARING COURSE MIXTURE	TON	96	24.00	98.00	2,352.00																
2506.509	CONSTRUCT CATCH BASIN DESIGN RC-2	EACH	1	800.00	1.00	800.00																
2506.512	RECONSTRUCT CATCH BASIN DESIGN LP-4	LF	3	300.00	2.00	600.00																
2554.521	ANCHORAGE ASSEMBLIES	EACH	1	200.00	1.00	200.00																
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LF	870	7.65	804.00	6150.60																
2531.503	CONCRETE MEDIAN See C.O. #1	SY	400	22.50	314.56	7077.60																
2575.501	ROADSIDE SEEDING	ACRE	0.5	250.00	0.22	55.00																
2575.502	MIXTURE 6	POUND	38	3.00	16.50	49.50																
2575.511	MULCH MATERIAL, TYPE 5	TON	0.4	730.00	0.22	160.60																
301.604	SAWING CONCRETE MEDIAN	LF	29	1.65	0.00	0.00																
331.603	SAWING BITUMINOUS PAVEMENT SURFACE	LF	1975	1.10	905.00	995.50																
554.603	INSTALL SALVAGED GUARDRAIL	LF	210	5.50	217.00	1192.50																
554.607	F & I. TWISTED END TREATMENT	EACH	1	475.00	1.00	475.00																
S.A. #1																						
2105.525	Topsoil Borrow	C.Y.	100	7.25	180.00	1305.00																
2575.505	Sodding	S.Y.	1,100	1.45	1122.00	1626.90																
2506.522	Adjust Frame and Ring Castings	Each	2	135.00	2.00	270.00																
C.O. #1																						
2531.503	Concrete Median (15% Reduction)			19.13	69.44	1328.38																
Grand Total						\$ 49,419.84																

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
CATYLE 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
OR 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



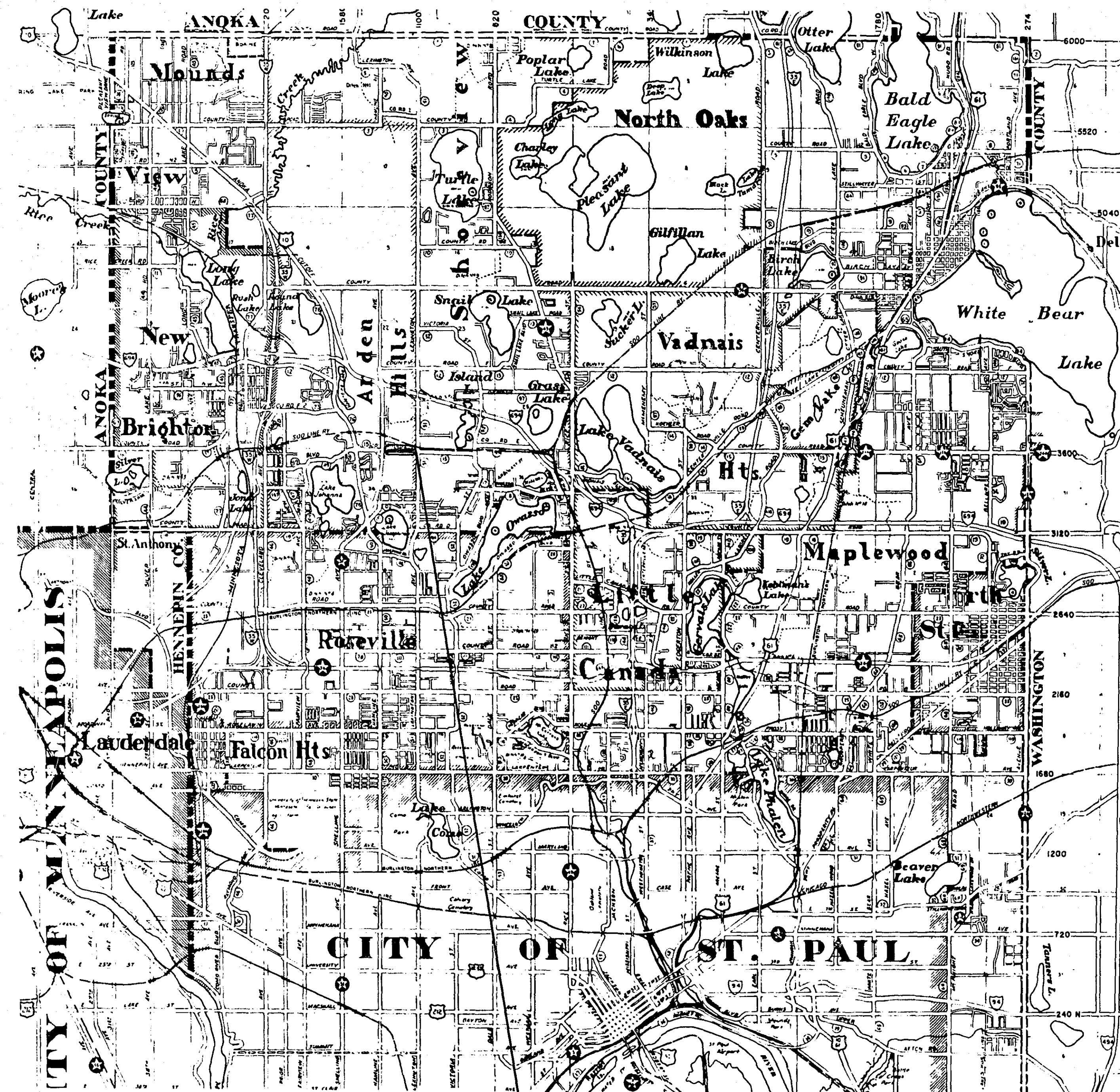
PIT DATA

PIT NO. Located in
Dead Haul

PIT NO. Located in
Dead Haul

THE 1978 EDITION OF THE MINNESOTA DEPARTMENT
OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR
HIGHWAY CONSTRUCTION" SHALL GOVERN.

	FEET		MILES
GROSS LENGTH	2,443	=	0.4627
BRIDGE LENGTH	0	=	0
EXCEPTION	0	=	0
NET LENGTH	2,443	=	0.4627
PLAN	10 30 50 70		
PROFILE HORIZ.	0 10 20 30 40 50 60 70		
PROFILE VERT.	0 20 40 60		
CROSS SECTIONS	0 5 10		
LAYOUT MAP	0 5 10		



PROJECT LOCATION

RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION PLAN: FOR CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN

COUNTY ROAD E

BETWEEN: T.H. 51 AND; LEXINGTON AVENUE IN
ARDEN HILLS

S.A.P. NO. 62-615-07

FROM: A POINT 2443 FEET WEST OF THE NORTHEAST
CORNER SECTION 34, T30N, R23W

TO: THE NORTHEAST CORNER OF SECTION 34, T30N,
R23W

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES
3-4	PLAN SHEETS
5	CROSS SECTIONS
6	TRAFFIC SIGNALS (FOR INFORMATION ONLY)

DESIGN SQUAD _____ DATE _____ 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.
DRAWN BY _____ DATE _____
CHECKED BY _____ DATE _____ DATE 1-15-82 REG. NO. 13501 ENGR. Harry F. J. J.

RECOMMENDED FOR APPROVAL *PJK* DATE 1-25-82
TRAFFIC ENGR.
RECOMMENDED FOR APPROVAL *DJD* DATE 1-25-82
ENV. ENGR.
RECOMMENDED FOR APPROVAL *MJK* DATE 1-25-82
MAINT. ENGR.
RECOMMENDED FOR APPROVAL *RHP* DATE 1-25-82
CONST. ENGR.
RECOMMENDED FOR APPROVAL *LKF* DATE 01-15-82
DESIGN ENGR.
RECOMMENDED FOR APPROVAL *QAP* DATE 01-15-82
P.O.W. ENGR.
APPROVED *W. J. J.* DATE 1-25-82
CORPORATE ENGR.
RECOMMENDED FOR APPROVAL *W. J. J.* DATE 1-26-82
COUNTY ENGINEER
APPROVED *Robert J. O'Neil* DATE 4-26-82
CHAIRMAN OF THE RAMSEY COUNTY BOARD
RECOMMENDED FOR APPROVAL *Robert J. O'Neil* DATE 2-3-82
MAYOR, CITY OF ARDEN HILLS
RECOMMENDED FOR APPROVAL _____ DATE _____
MINNESOTA DEPARTMENT OF TRANSPORTATION
RECOMMENDED FOR APPROVAL *Robert J. O'Neil* DATE 2-2-82
DISTRICT STATE AID ENGINEER
APPROVED *Robert J. O'Neil* DATE 2/17/82
DIRECTOR, OFFICE OF STATE AID

PLAN REVISIONS		
DATE	SHEET NO.	BY

ASBUILT PLAN CONFORMING TO CONST. RECORDS

DONE BY: *PJK*
DATE: 3/8/83

S.A.P. NO. 62-615-07

Sheet No. 1 of 6 Sheets

STATEMENT OF ESTIMATED QUANTITIES				
ITEM NO	ITEM	UNIT	ESTIMATED QUANTITIES	FINAL ESTIMATED QUANTITIES
2021.501	MOBILIZATION	LUMP SUM	1	
2101.502	CLEARING	TREE	17	
2101.507	GRUBBING	TREE	17	
2104.501	REMOVE CONCRETE CURB & GUTTER	LF	595	
2104.501	REMOVE 12" C.M.P	LF	15	
2104.505	REMOVE CONCRETE MEDIAN	SY	225	
2104.509	REMOVE CATCH BASIN	EACH	1	
2104.521	SALVAGE GUARDRAIL	LF	260	
2105.501	COMMON EXCAVATION	CY	1,986	
2105.523	COMMON BORROW (E.V)	CY	2,185	
2331.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	25	
2331.510	BINDER COURSE MIXTURE	TON	96	
2331.514	BASE COURSE MIXTURE	TON	350	
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL.	85	
2361.504	ASPHALT CEMENT	TON	7	
2361.508	WEARING COURSE MIXTURE	TON	96	
2506.509	CONSTRUCT CATCH BASIN DESIGN RC-2	EACH	1	
2506.512	RECONSTRUCT CATCH BASIN DESIGN LP-4	L.F	3	
2554.521	ANCHORAGE ASSEMBLIES	EACH	1	
2531.501	CONCRETE CURB & GUTTER DESIGN B624	LF	870	
2531.503	CONCRETE MEDIAN	SY	400	
2575.501	ROADSIDE SEEDING	ACRE	0.5	
2575.502	MIXTURE 6	POUND	38	
2575.511	MULCH MATERIAL, TYPE 5	TON	0.4	
301.604	SAWING CONCRETE MEDIAN	LF	29	
331.603	SAWING BITUMINOUS PAVEMENT SURFACE	LF	975	
554.603	INSTALL SALVAGED GUARDRAIL	LF	210	
554.607	F.&I. TWISTED END TREATMENT	EACH	1	

CATCH BASIN DESIGN NO. R.C.-2

The front view shows a square catch basin with 8" brick, concrete, or block walls. The interior width is 3'. The bottom has a 3" radius and a 4" thick base. A normal gutter line is indicated on the left, with a 3' distance to the drain. The right side shows a 1' distance to the drain. A 2" dimension is shown for the gutter width.

FRONT VIEW

The side view shows the 8" wall thickness and a 2' minimum interior width. The gutter is 2" wide with a 1.5" normal crown. The top of the curb is at profile grade. A slope of -0.57 is indicated. The bottom has a 3" radius.

SIDE VIEW

* WARP GUTTER TO THIS LINE.

The top view shows the 8" gutter and casting area. The gutter width is 8" and the casting area is 8" wide.

TOP VIEW

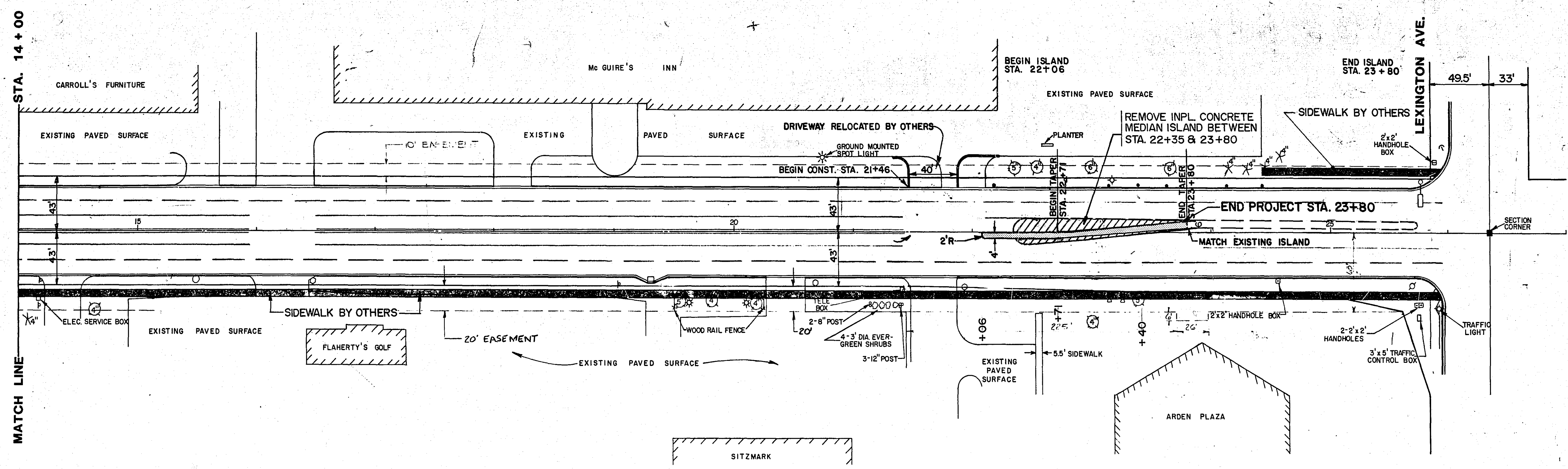
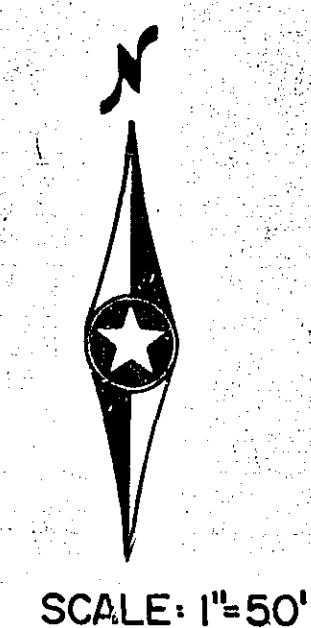
** ELEV COMPUTED TO THIS POINT DETERMINE IN THE FIELD TO FIT EXISTING CONDITIONS

STANDARD DETAIL PLATES	
0003A	SPECIFICATION REFERENCE TO STANDARD PLATES
7036C	PEDESTRIAN CURB RAMP
7100E	CONCRETE CURB & GUTTER
7105C	CONCRETE MEDIAN
8000H	STANDARD BARRICADES
8307L	STRUCTURAL PLATE BEAM GUARDRAIL
8314B	3- CABLE GUARDRAIL DETAIL (ANCHORAGE ASSEMBLIES)
8319D	TWISTED END TREATMENT

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS

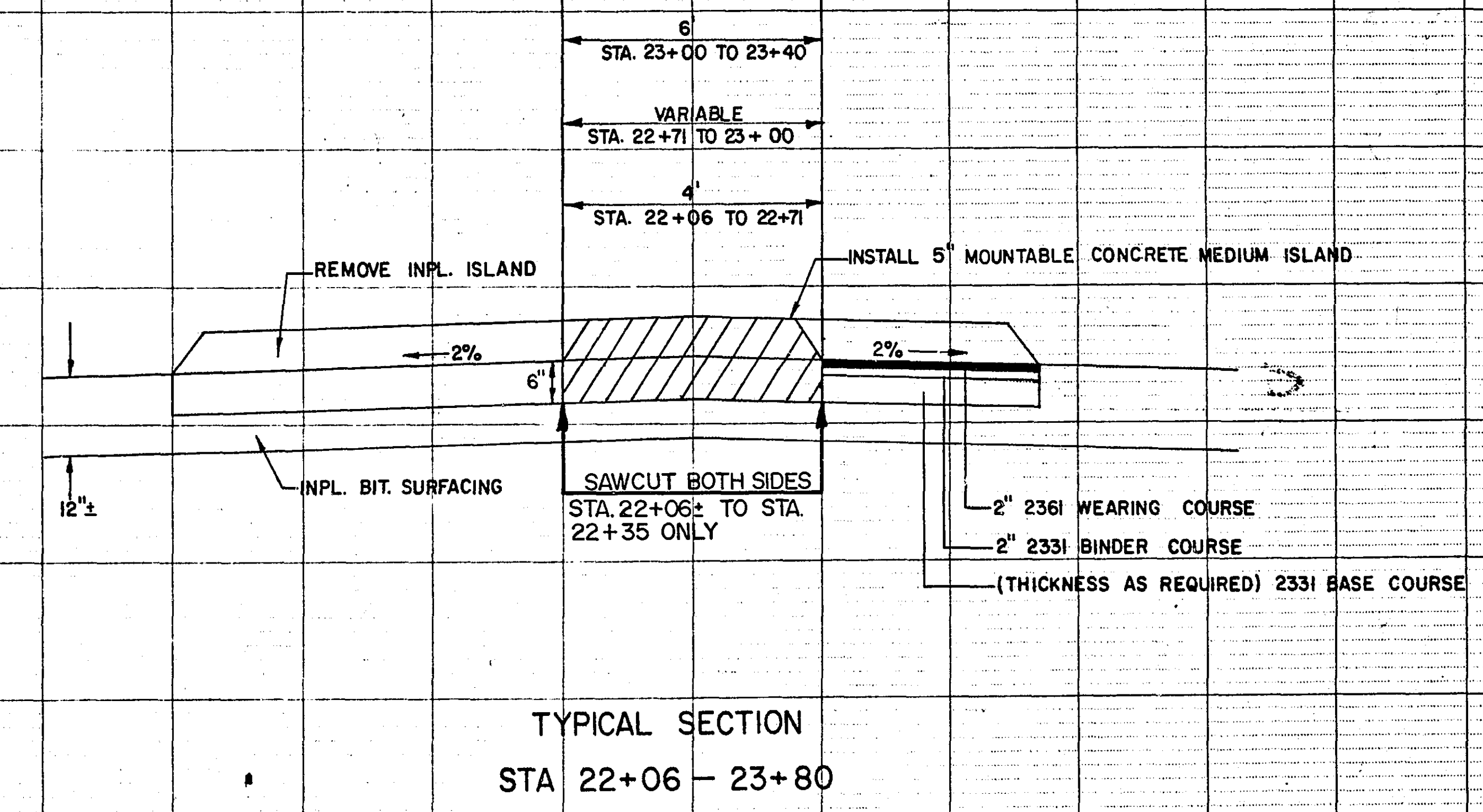
DONE BY: 

DATE: 3/8/83



- LEGEND**
- POWER POLE
 - GUY WIRE
 - ★ LIGHT POLE
 - SPRINKLER
 - SIGN
 - STOP SIGN
 - LIGHT STANDARD
 - △ STUMP
 - CONSTRUCT CONCRETE ISLAND

COUNTY ROAD "E"



**TYPICAL SECTION
STA 22+06 - 23+80**

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: *SRB*
DATE: 3/8/83

SURVEY: DESIGN: DRAWN:	SCALE:	NO.	DATE	REVISIONS	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. <i>[Signature]</i> Date: 12-7-81 Reg. No. 9475	SHORT - ELLIOTT - HENDRICKSON, INC. Saint Paul, Minnesota • Chippewa Falls, Wisconsin	ARDEN HILLS, MINNESOTA	S.A.P. NO. 62-615-07 COUNTY ROAD "E"	FILE NO.: 80040 DATE: 12-8-81	4 6

EXC. 1,986 EMB 2,185

36.76

4+39

471 516

37.42

4+00

508 782

38.31

3+50

39.01

3+00

448 593

39.74

2+50

395 276

40.24

2+00

164 18

40.40

1+92.5

5'

REVISED	DATE	DESIGNED BY	DRAWN BY	CHECKED BY

hereby certify that this plan, specification, or report 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
Walter J. Jernstedt
Date 2-5-82 Reg. No. 5782

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: *RFB*
DATE: 3/8/83

FACE	PHASE	FLASH	INDICATION SIZE					
			R	Y	G	YEL	GRN	←
2-1	2 AND 5	R	12"	12"	12"	12"	12"	
2-2	2	R	12"	12"	12"	-	-	
2-3	2	R	12"	12"	12"	-	-	
2-4	2 AND 5	R	12"	12"	12"	12"	12"	
4-1	4	R	12"	12"	12"	-	-	
4-2	4	R	12"	12"	12"	-	-	
4-3	4	R	12"	12"	12"	-	-	
6-1	1 AND 6	R	12"	12"	12"	12"	12"	
6-2	6	R	12"	12"	12"	-	-	
6-3	1 AND 6	R	12"	12"	12"	12"	12"	
8-1	8	R	12"	12"	12"	-	-	
8-2	8	R	12"	12"	12"	-	-	
8-3	8	R	12"	12"	12"	-	-	

LOOP DETECTORS	
NUMBER	SIZE
DI-1	6'x20'*
DI-2	6'x20'*
D2-1	6'x6'
D4-1	2-6'x20'*
D4-2	6'x10'
D4-3	6'x10'
D5-1	6'x20'*
D5-2	6'x20'*
D6-1	6'x6'
D6-2	6'x6'
D8-1	2-6'x15'*
D8-2	6'x10'

* SPECIAL LOOP DETECTOR (SEE DETAILS)

LOOP DETECTOR FUNCTION
 (1) CALL AND EXTEND
 (2) DELAY CALL-IMMEDIATE EXTEND
 (3) EXTEND ONLY
 (4) DELAY CALL ONLY
 (5) CALL ONLY

2 TYPE A-25-X35-1
 ONE WAY SIGNAL (OVERHEAD)
 RIO-XI SIGN AND SIGN DOWNLIGHT
 TYPE 20C-POLE MOUNTED 270°
 2-PEDESTRIAN PUSH BUTTONS
 LUMINAIRE-400 WATT H.P.S. (APPROX. 350°)
 EXTEND INTO H.H. 20:
 3" R.S.C.
 2-12/c #12
 1-3/c #12
 1-3/c #20
 EXTEND INTO INPLACE LIGHTING HANDHOLE: (SEE SHEET 15)
 2" R.S.C.
 3-1/c #4 AND 1-1/c #8 GROUND (INPLACE IN LIGHTING SYSTEM HANDHOLE)

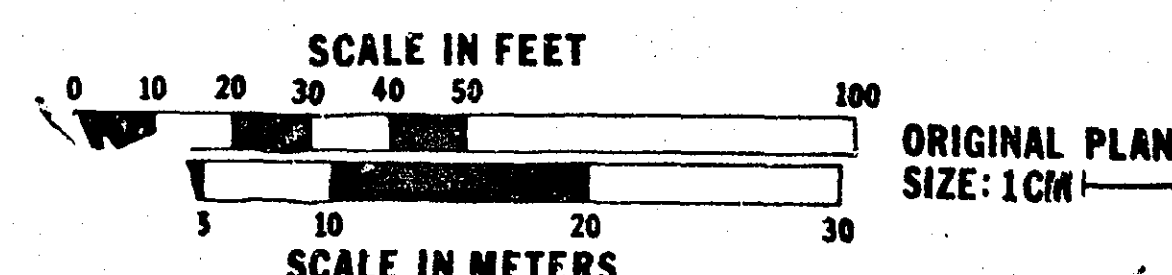
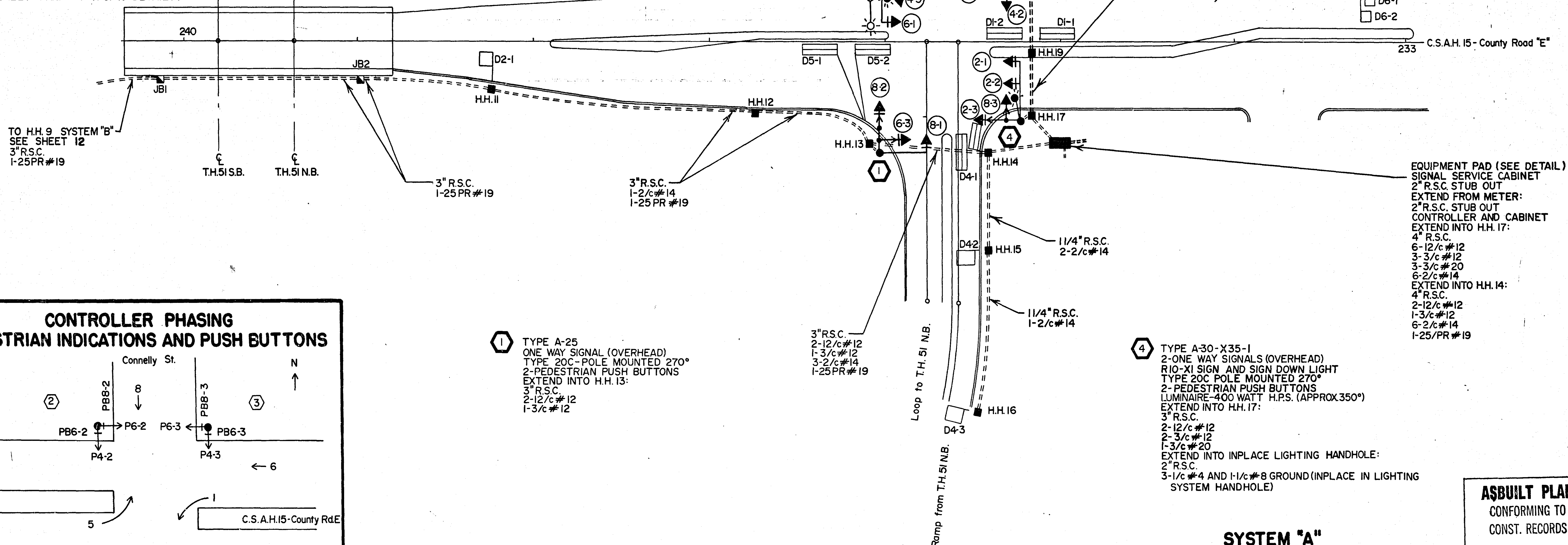
3 TYPE A-20
 ONE WAY SIGNAL (OVERHEAD)
 TYPE 20C-POLE MOUNTED 270°
 2-PEDESTRIAN PUSH BUTTONS
 EXTEND INTO H.H. 18:
 3" R.S.C.
 4-12/c #12
 2-3/c #12
 2-3/c #20
 1-3/c #20

NOTES:

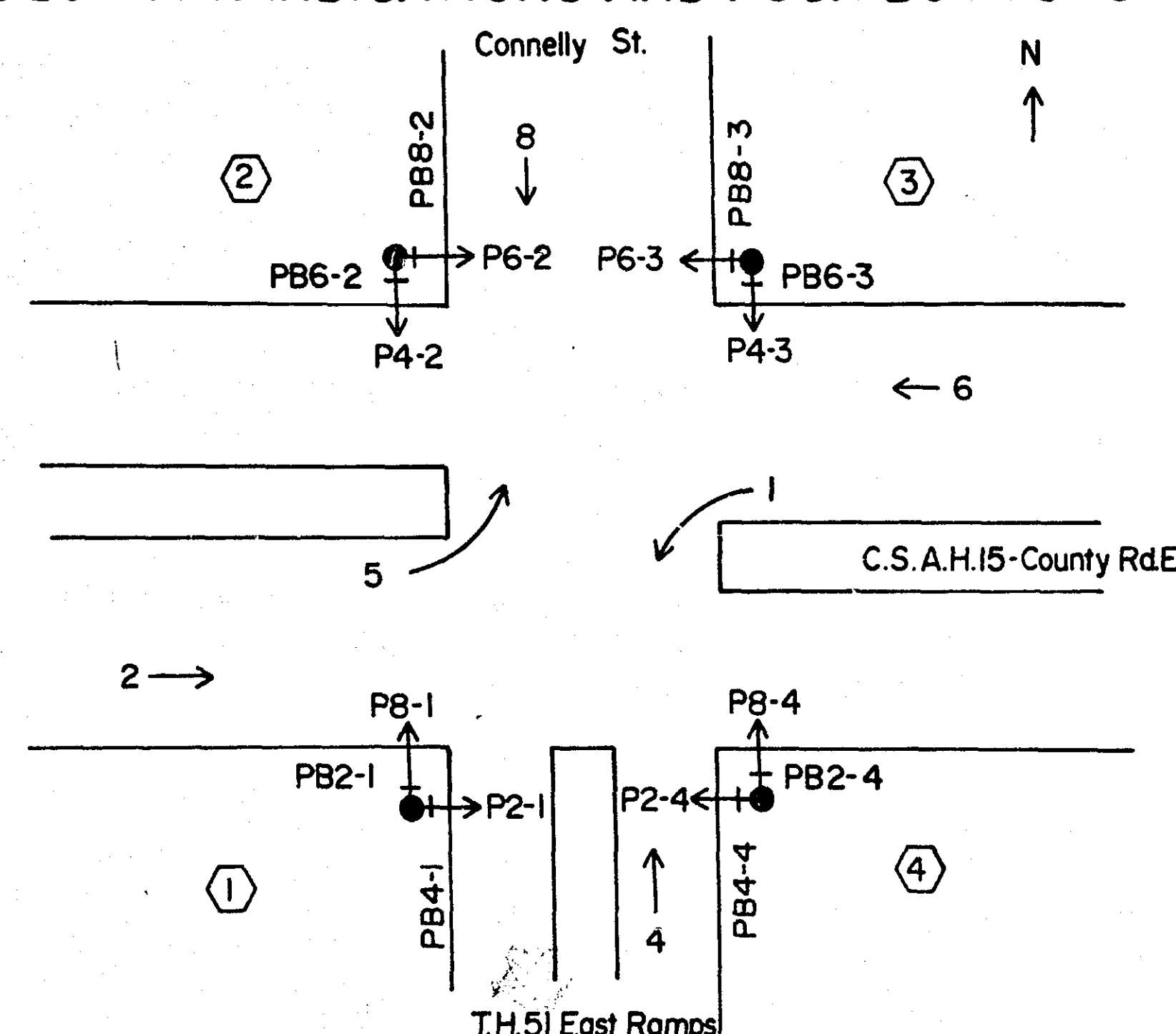
- (1) A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE, AND CAPPED CONDUIT OUTLET BODY FOR FUTURE EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT SHALL BE FURNISHED AND INSTALLED APPROXIMATELY 4' FROM THE END OF THE MAST ARM AT POLES 2, 3 AND 4.
- (2) SUFFICIENT 3/c #20 AND 2-1/c #14 TO REACH THE END OF THE MAST ARM SHALL BE INSTALLED AND LOOPED IN THE CONDUIT OUTLET BODY ON POLES 1, 2, 3, AND 4.
- (3) SEE SHEETS 3 AND 4 FOR SIGN DETAILS.

- (4) A 3/4" HALF COUPLING FOR THE DOWNLIGHT SHALL BE FURNISHED AND INSTALLED APPROXIMATELY 2' FROM THE END OF THE MAST ARM AT POLE 4.
- (5) A MID ARM MOUNT SHALL BE FURNISHED AND INSTALLED 10' FROM THE END OF THE MAST ARM AT POLE 4.

LIGHT POLE INPLACE, REMOVE AND SALVAGE
 LIGHT BASE INPLACE, REMOVE
 LIGHT CABLE INPLACE, ABANDON AND DISCONNECT
 IN LIGHT POLE H7A/6 (SEE SHEET 16)



CONTROLLER PHASING PEDESTRIAN INDICATIONS AND PUSH BUTTONS



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE.

SYSTEM "A" INTERSECTION LAYOUT

T.H. 51 at C.S.A.H. 15 (County Rd. E) East Ramps and Connelly St.

FOR INFORMATION ONLY

62030051*010537E

State Proj. No. 6216-88 (T.H. 51-125)

Sheet No. 6 of 6 Sheets

ASBUILT PLAN
 CONFORMING TO
 CONST. RECORDS

DONE BY: *[Signature]*
 DATE: 3/18/83