

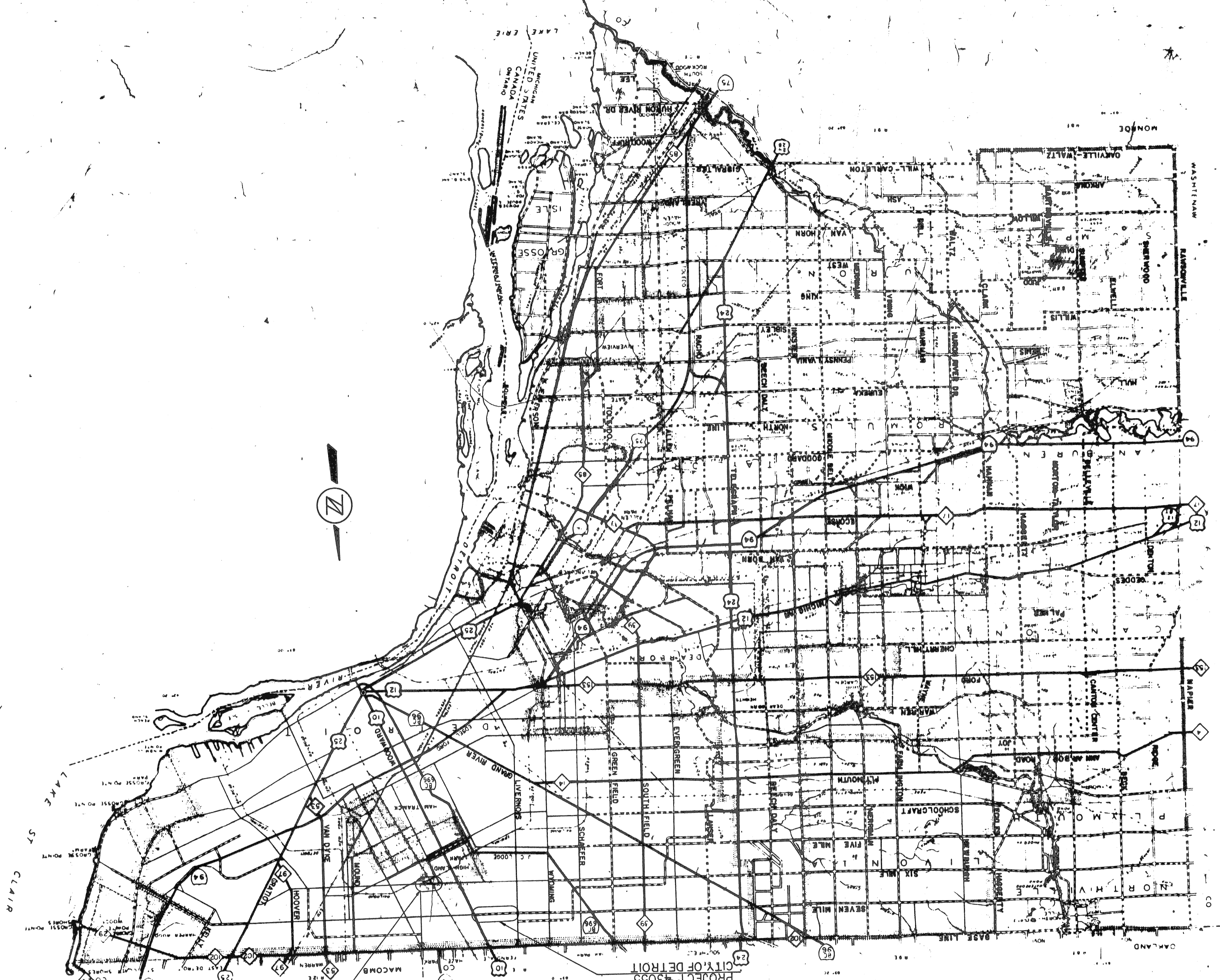
**BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICHIGAN**

MICHAEL BERRY
CHAIRMAN

FREDDIE G. BURTON
VICE CHAIRMAN

PHILIP J. NEUDECK
COMMISSIONER

RESURFACING PROJECTS



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2	TYPICAL CROSS-SECTION
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*SIX MILE - OAKLAND TO DEQUINDRE
(McMICHAELS)*

REG. NO. 5509

REGISTERED PROFESSIONAL ENGINEER
ARTHUR J. NEUDECK
STATE OF MICHIGAN
LICENSE NO. 10000

PREPARED UNDER SUPERVISION OF
Arthur J. Neudeck

APPROVED
M. Berry
CHIEF ENGINEER DESIGN DIVISION
REG. PRO. ENG.

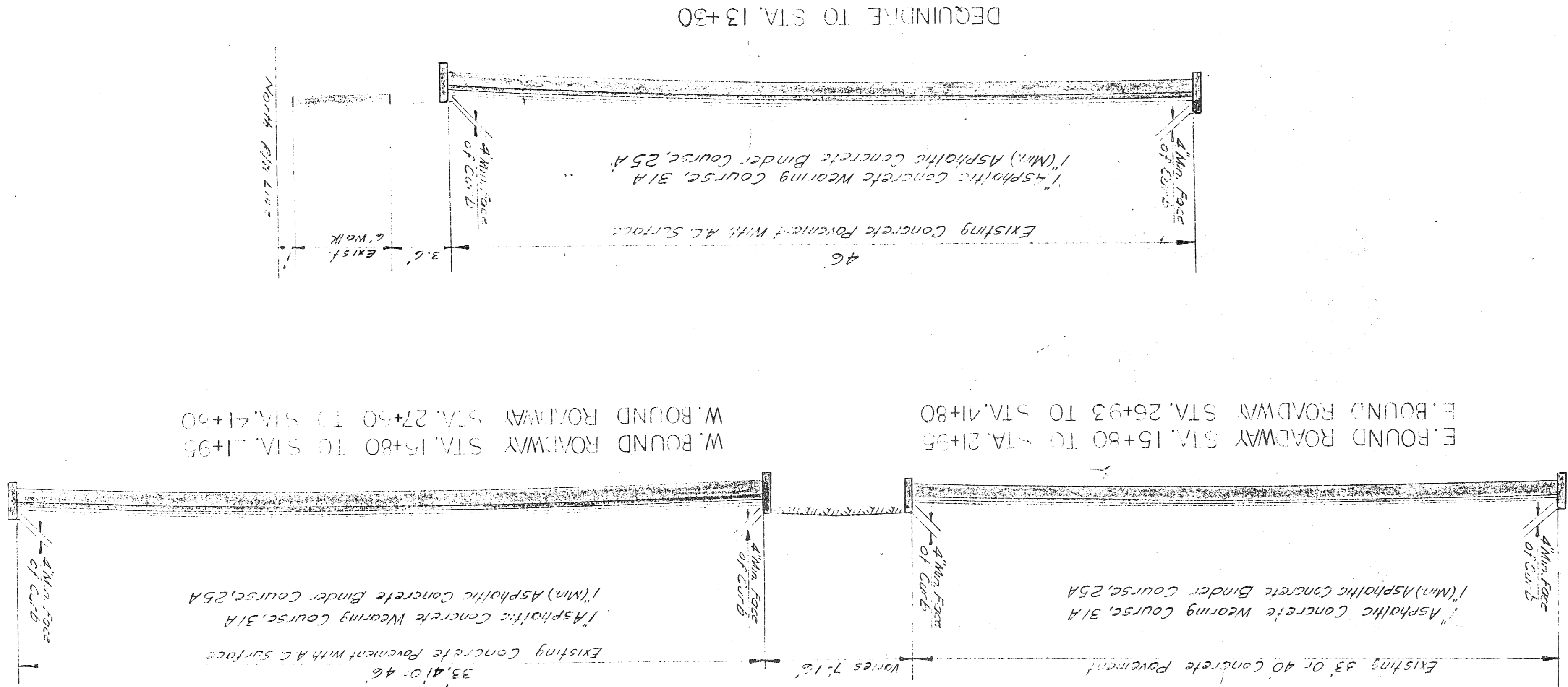
APPROVED
M. Burton
ASST. COUNTY HIGHWAY ENGINEER
REG. PRO. ENG.

973 AC. PROJECTS

SIX MILE ROAD
OAKLAND TO DEQUINDRE

TYPICAL CROSS-SECTION

SCALE: 1"=5'



Note: The Existing Pavement shall be brought to a Uniform Profile (As Directed by the Engineers by the Use of Leveling and Wedging Courses of Asphalt Concrete Binder Course, 25A (3" Maximum Lifts). The Material for this Operation will be Paid for of the Contract Unit Price Per Ton of Asphalt Concrete Binder Course, 25A.

QUANTITY	ITEM
145 SA/YD	REMOVING ASPHALT SURFACE
1620 SA/YD	FLANKER METHOD
400 SA/YD	REMOVING SIDEWALK
200 SA/YD	REMOVING C&G PAVEMENT (PATCHING)
1100 LINF	REMOVING CURB (PATCHING)
3 EA.	ADJUSTING MANHOLE, FURNISHING COVER "A"
EA.	COVER "X"
7 EA.	ADJUSTING WATER SHUTTER RISEE BOX
EA.	ADJUSTING WATMENT BOX
5 LINF	RECONSTRUCTING M.H. C.B. OR N.G.W.
73 EA.	ADJUSTING COVERS
LINF	6" FIRE UNDERDRAIN
SA/YD	CONCRETE PAVEMENT, 9" (PATCHING)
1100 LINF	CONCRETE CURB
675 LINF	INTERLOCK CONCRETE CURB AND WALK
CU YD	AGGREGATE SHOULDER
TONS	CALCIUM CHLORIDE, APPLIED
3600 SA/YD	4" CONCRETE SIDEWALK
3400 GAL.	BITUMINOUS BOND COAT (SS-IH)
GAL.	BITUMINOUS FINE COAT
125 LINF	NOTCHES IN CONCRETE PAVEMENT FACE JOINT
50 SA/YD	PREPARING EXISTING PAVEMENT
14000 LINF	SAWED LONGITUDINAL FLAME OF WEARERS JOINT IN ASPHALTIC CONCRETE SURFACE
50 SA/YD	CHIPPING EXISTING CONCRETE PAVEMENT
2065 TONS	ASPH. CONC. BINDER COURSE, 25A
TONS	ASPH. CONC. BINDER COURSE, 31A
1270 TONS	ASPH. CONC. WEARING COURSE, 31A
110 TONS	ASPH. CONC. BINDER COURSE, 25A

(ESTIMATE QUANTITIES FOR ASPHALTIC CONCRETE MIXTURES ARE BASED ON THE USE OF MIXTURE ASSUMPTIONS)

APPROVED: _____
CORRECT: _____

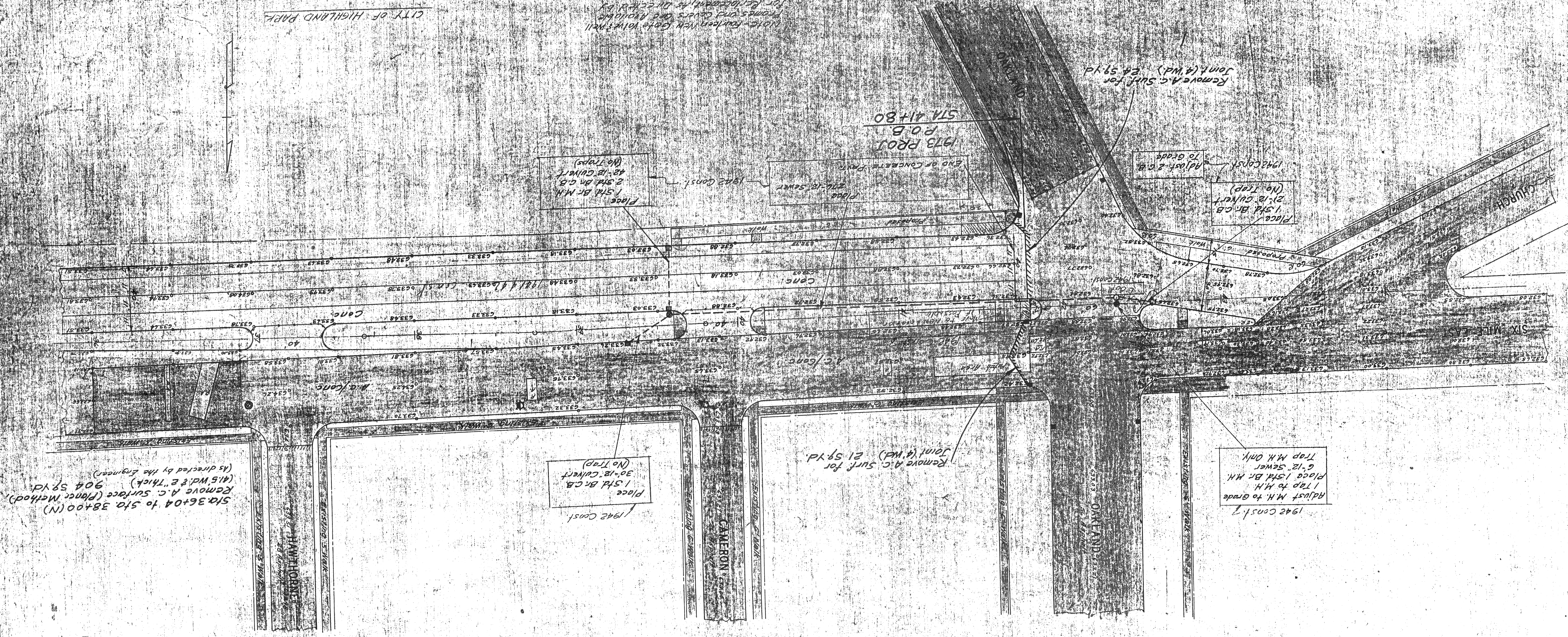
1973 AC PROJECT 45431

DATE	1-22-41	SCALE	1" = 50'
BY	M. M. D.	PROJECT	SIX MILE EAST
APPROVED	W. J. B.	PROJECT NO.	973A.C. PROJECT 46434
DESIGNED BY	W. J. B.	DATE	1-22-41
CHECKED BY	W. J. B.	BY	M. M. D.
DATE	1-22-41	BY	M. M. D.
REVISIONS		DATE	
NO.		DATE	
BY		DATE	
REVISIONS		DATE	

1942 CONST. 1
 200 FT. OF WIDENING THIS SHEET
 END OF WIDENING IS SHOWN BY
 973A.C. PROJECT 46434

CITY OF HIGHLAND PARK

NOTE: FOURTEEN NEW GATE VALVES WILL
 BE INSTALLED AT THE INTERSECTION
 OF THE EXISTING
 MAIN LINE AND THE
 BRANCH LINE AS SHOWN BY
 THE ENGINEER.
 SEE SUPPLEMENTAL SPECIFICATIONS



STA 36+04 to STA 38+00 (N)
 REMOVE A.C. SURFACE (PUNCH METHOD)
 (4.5 WD. & 2" THICK) 904 SPYD.
 (AS DIRECTED BY THE ENGINEER)

1942 CONST.
 Place 1 STD BR. C.B.
 30-18 CONCRETE
 (No Trap)

Remove A.C. SURF for
 JOINT (A.W.D.) 21.57 YD

1942 CONST. 1
 Adjust M.H. to grade
 Place 1 STD BR. M.H.
 6-12 SEWER
 TOP M.H. ONLY

1942 CONST.
 Place 1 STD BR. C.B.
 21-12 CONCRETE
 (No Trap)
 Adjust 2' to
 TO GRADE

Remove A.C. SURF for
 JOINT (A.W.D.) 24.59 YD

1973 PROJ.
 P.O.B.
 STA 41+80

1942 CONST.
 Place 1 STD BR. C.B.
 42-12 CONCRETE
 (No Trap)



SHEET NO. **C-113** FILE **C-113**

REVISIONS		DATE		BY		DATE	
NO.	ITEM	DATE	NO.	DATE	BY	DATE	BY
1	SIDEWALKS						
	CLARET DESIGN						

APPROVED:	ENGINEER OF HIGHWAY DESIGN	BR. 288
DESIGNED BY:	M. J. K. D. C.	DATE: 4-21-41
SCALE:	1" = 50'	

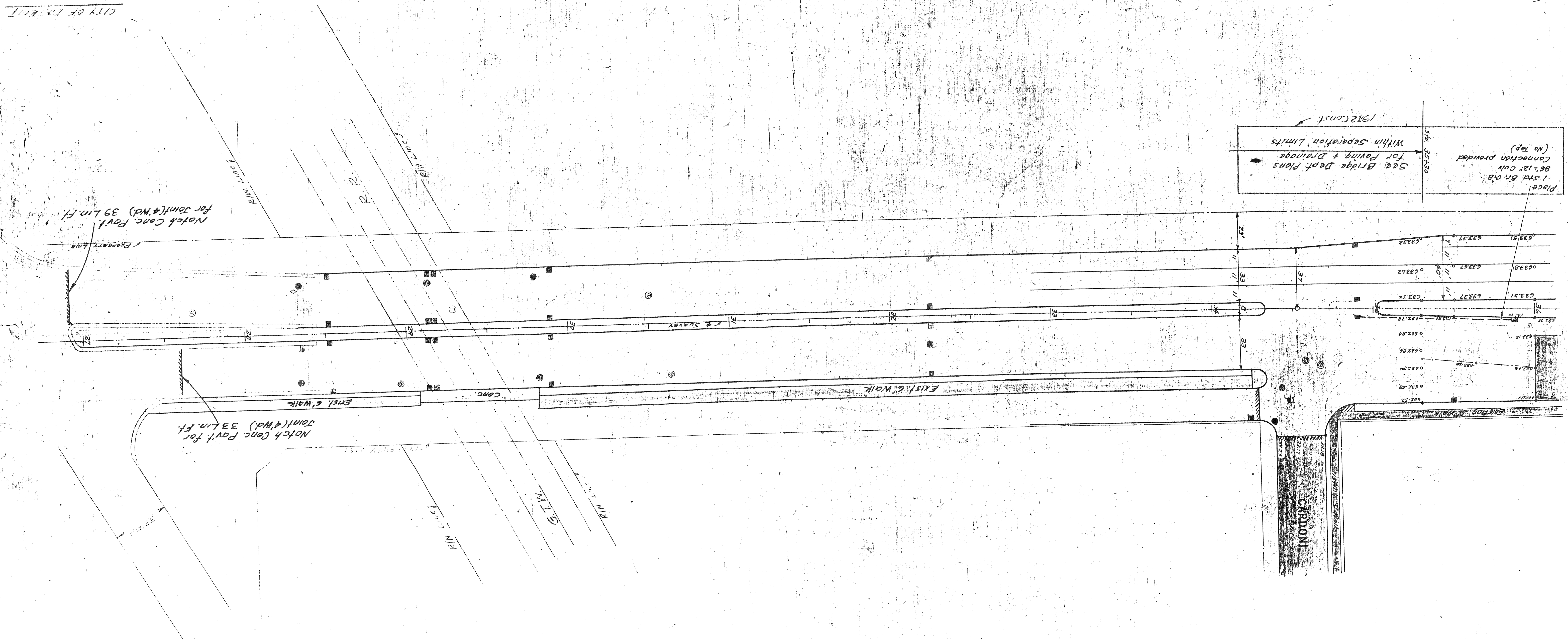
CHAIRMAN	CHARLES L. WILSON
VICE CHAIRMAN	MICHAEL J. O'BRIEN
BOARD OF WAYNE COUNTY ROAD COMMISSIONERS	
DETROIT, MICHIGAN	

1973 A.C. PROJECT 4-1131

88.50 FT OF 4' SIDEWALK THIS SHEET
1942 Const

CITY OF DETROIT

CITY OF HIGHLAND PARK



Notch Conc. Pavt. for Joint (4' Wd) 33 Lin. Ft.

Place 1.5' Sid. Dr. 0.8' Connection provided (No Top) See Bridge Dept. Plans For Paving & Drainage Within Separation Limits

CITY OF DETROIT

1942 Const. 1
5' to 10' of sidewalk on this sheet

NOTE
Place this surface to elevs
shown this 9390.75.08
These elevations are based
on an assumed H.I. of 100.00

Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)

Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)

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1 1/2" B.C. with top
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1942 Const. 1
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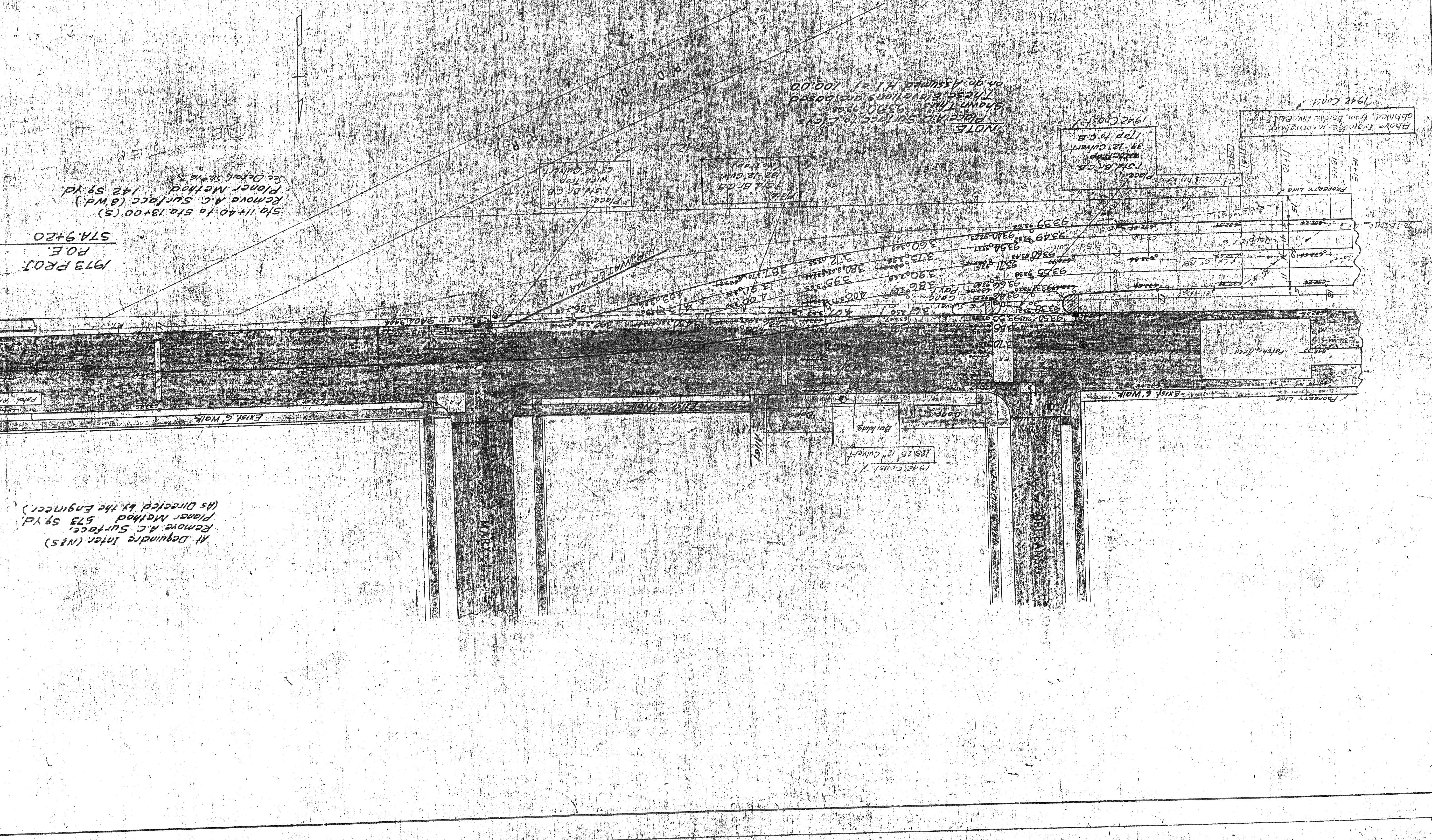
1942 Const. 1
Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)

1942 Const. 1
Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)

1942 Const. 1
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1942 Const. 1
Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)

1942 Const. 1
Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)



At Deguindre Inter. (N/S)
Remove A.C. Surface,
Planer Method 573 59 Yd.
(As Directed by the Engineer.)

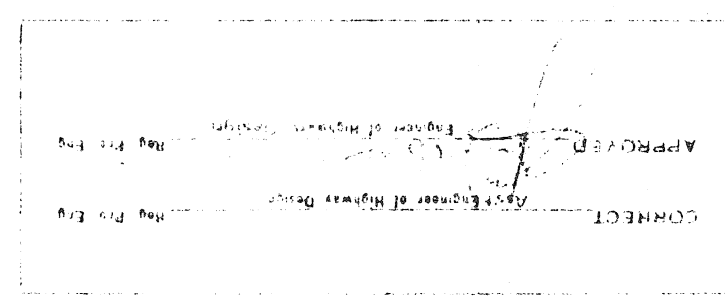
1913 Proj.
R.O.E.
Sta 11+40 to Sta 13+00 (S)
Planer Method 142 59 Yd.
See Detail 58*16

1942 Const. 1
Place
1 1/2" B.C. (No Top)
1 1/2" B.C. with top
3" B.C. (No Top)

1973 A.C. PROJECT 43055
1973 A.C. PROJECT 45431

ASPHALTIC CONCRETE RESURFACING DETAILS

NOT TO SCALE



ASPHALTIC CONCRETE SHALL BE PLACED IN THE MANNER AND TO THE ALIGNMENT APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.

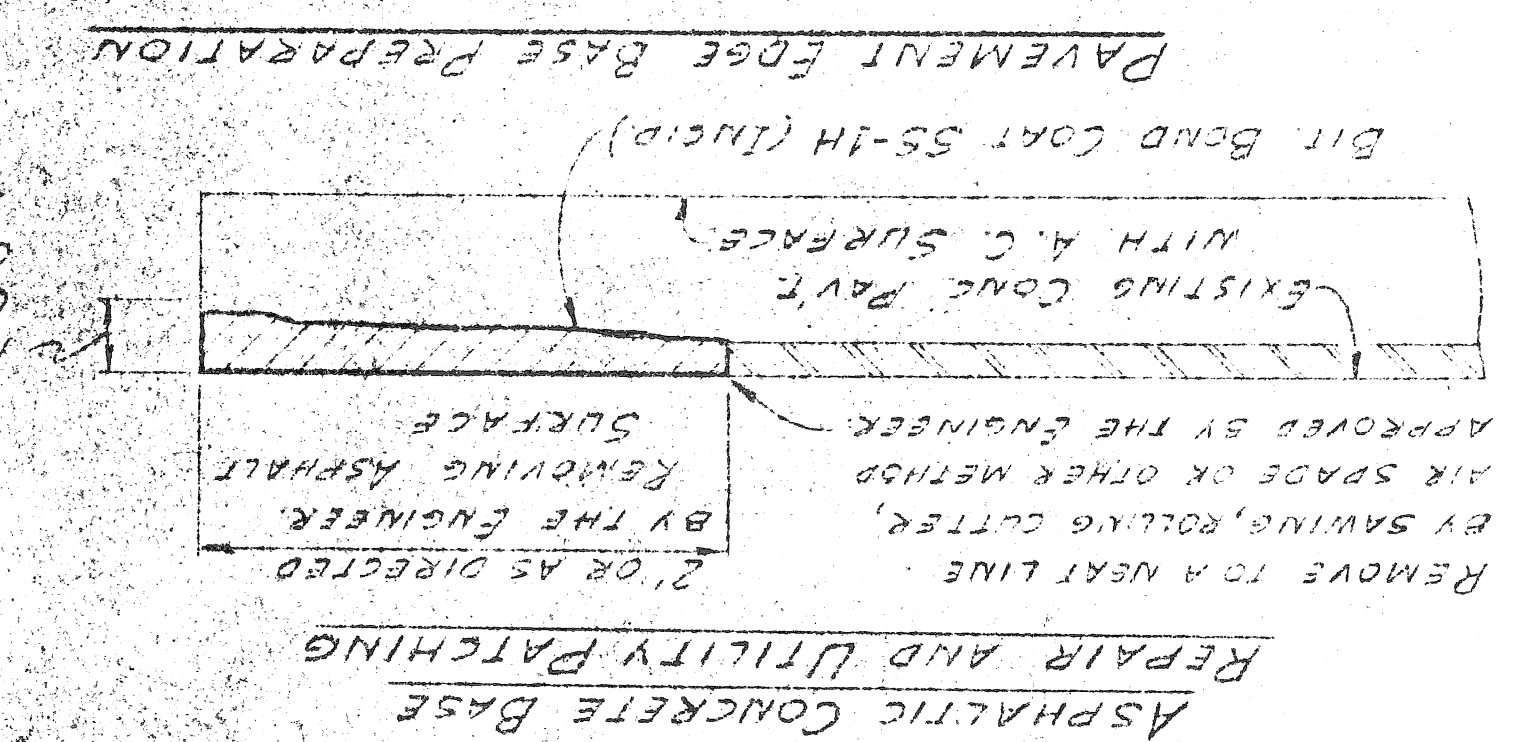
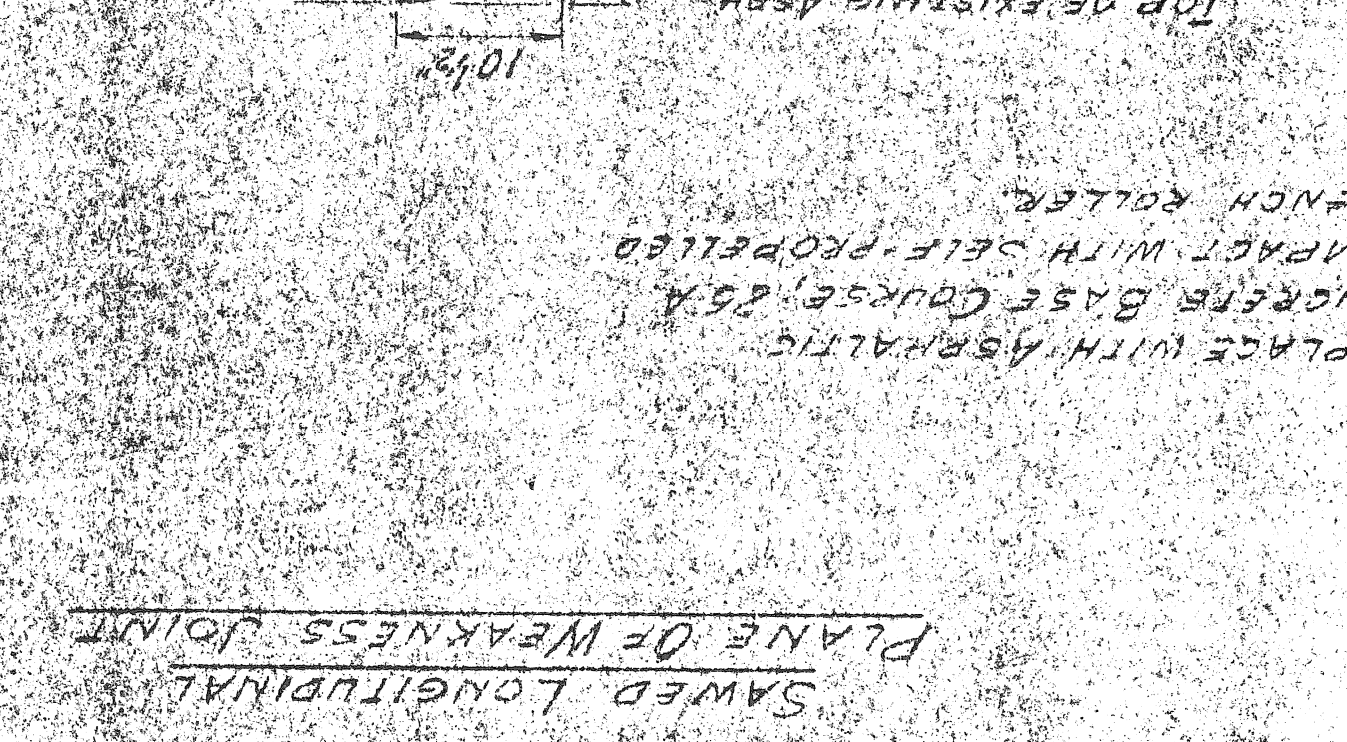
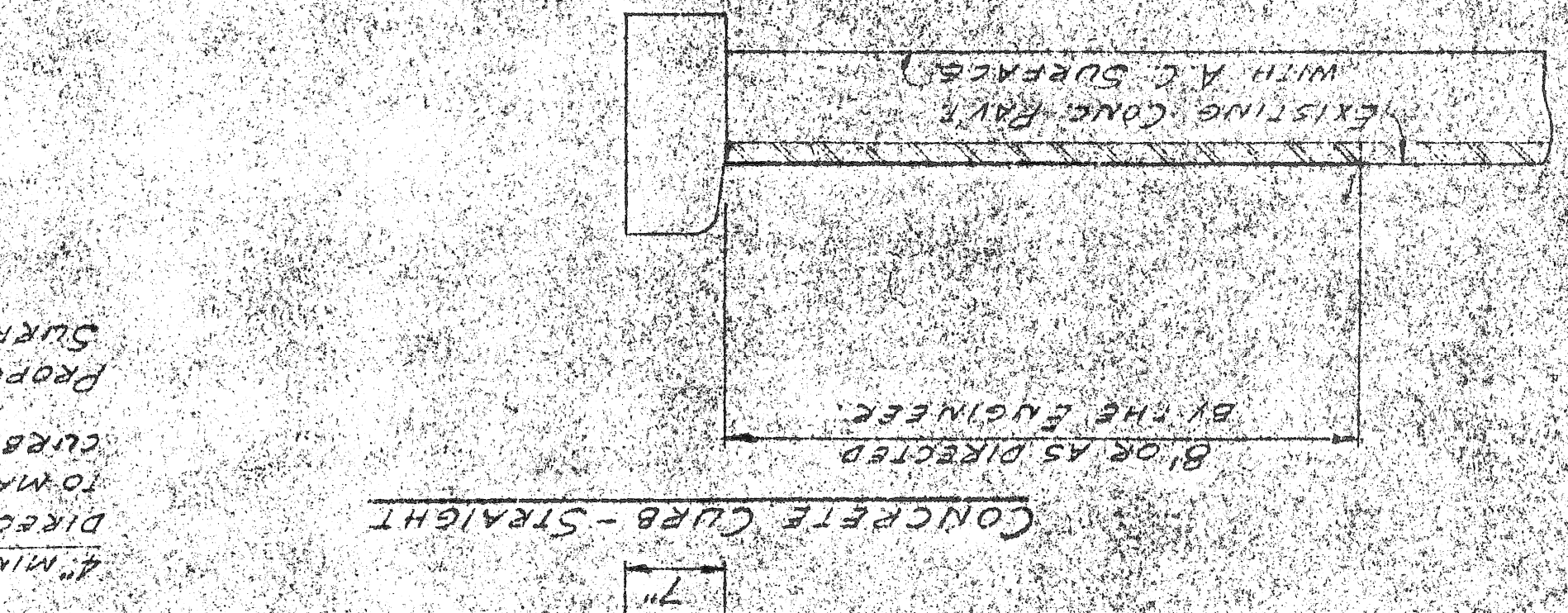
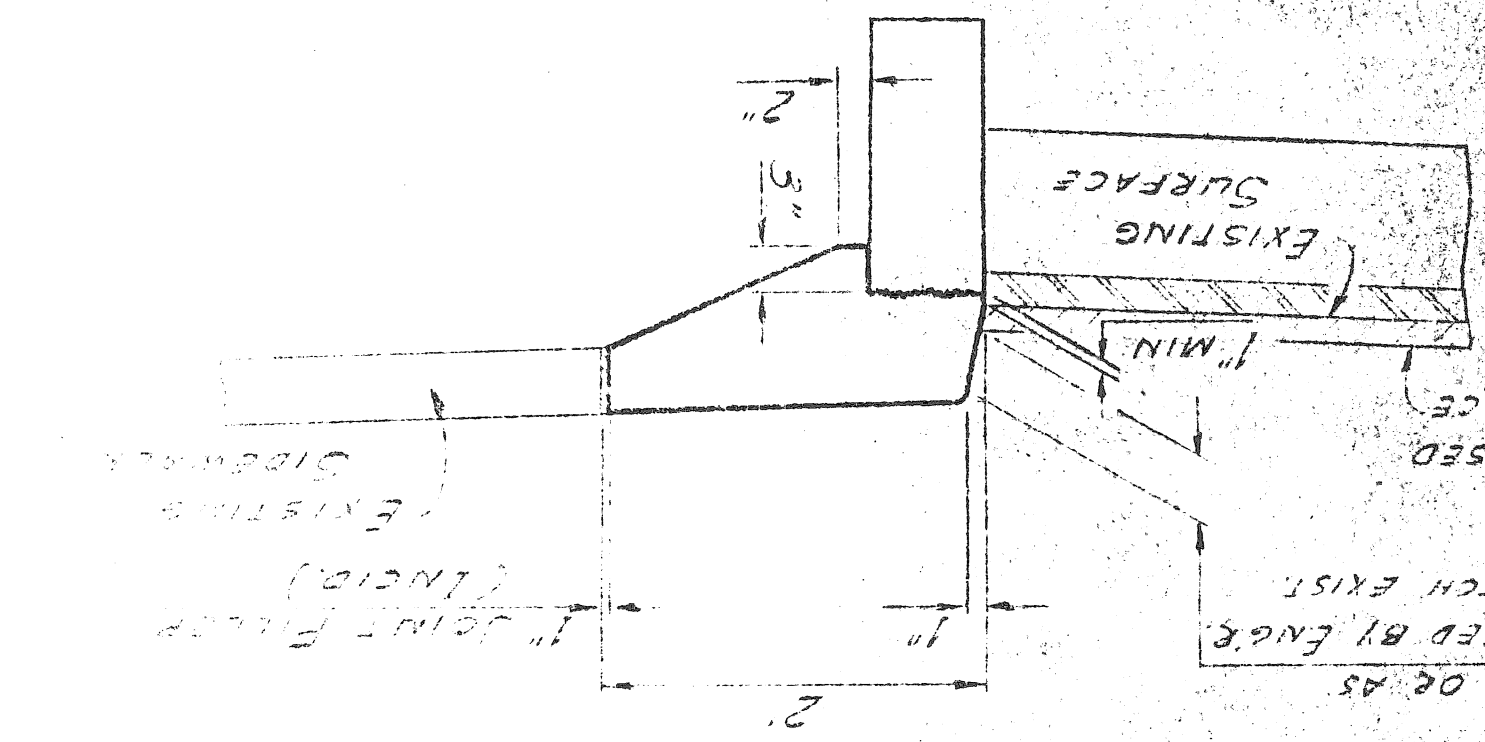
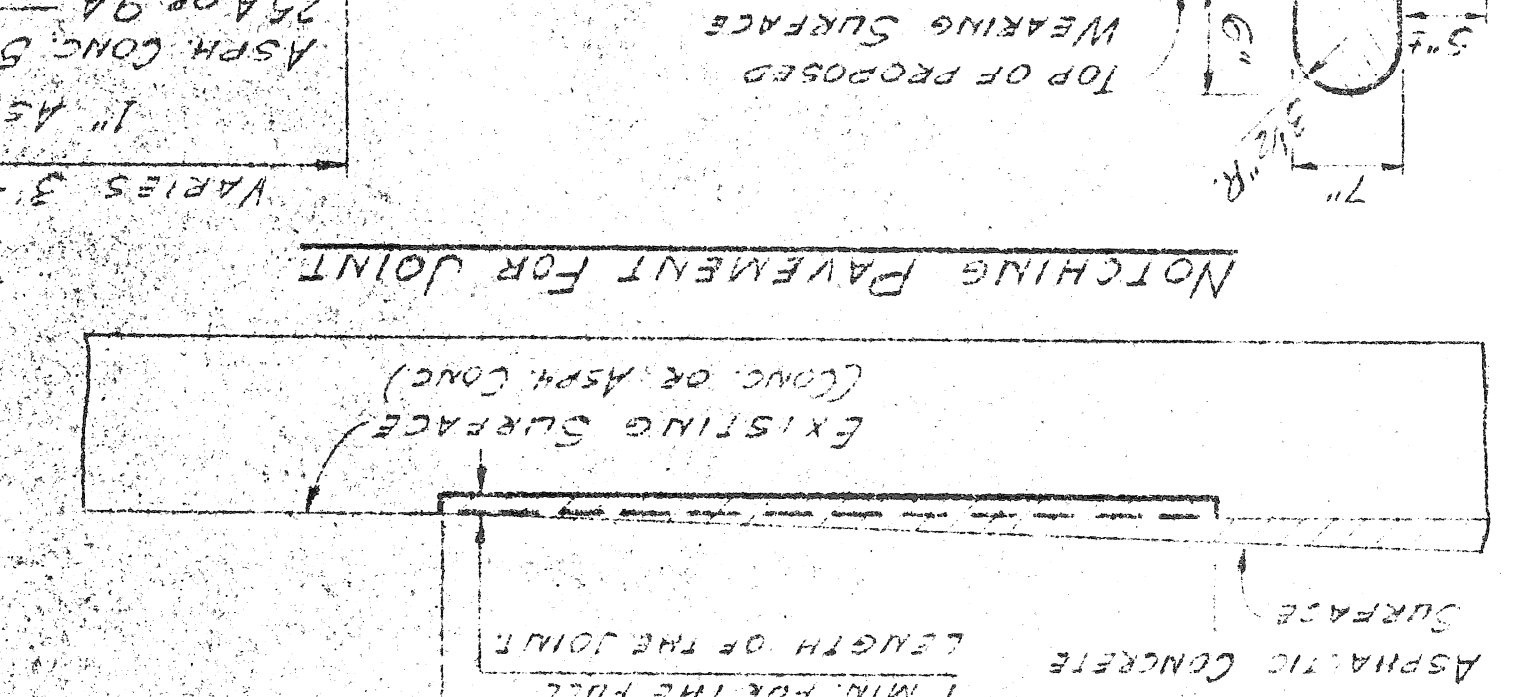
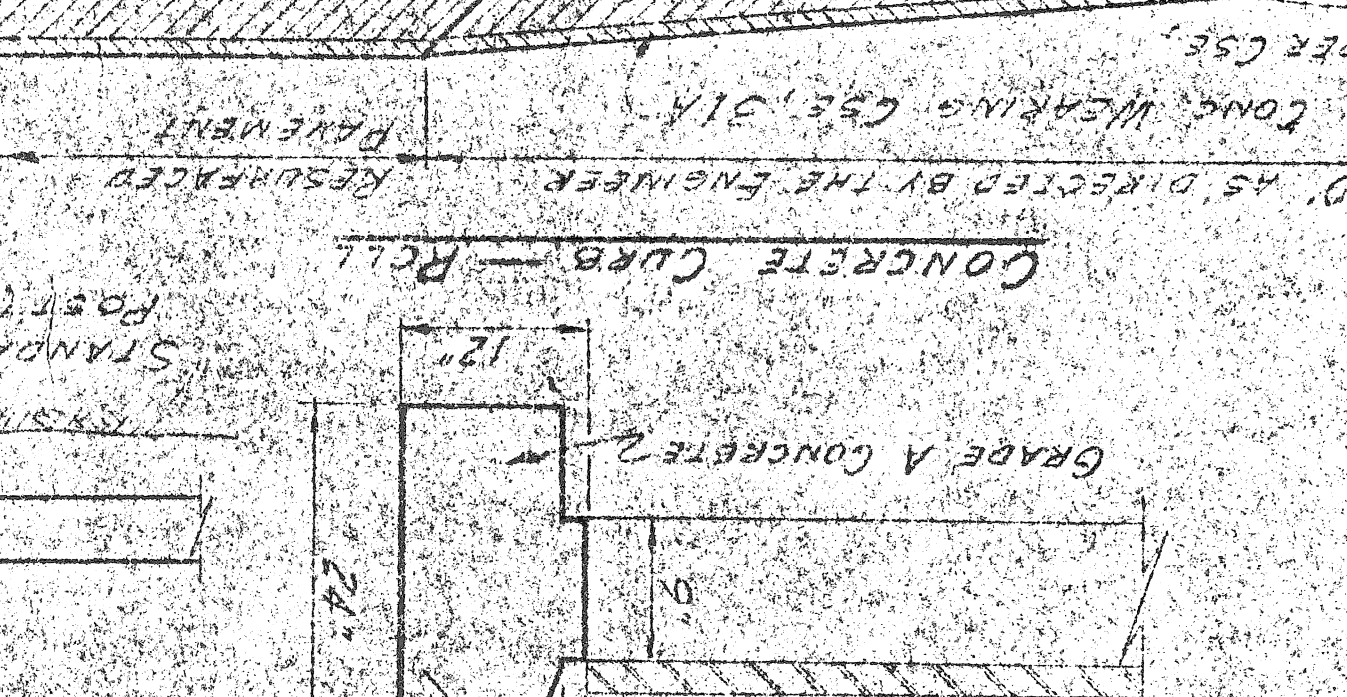
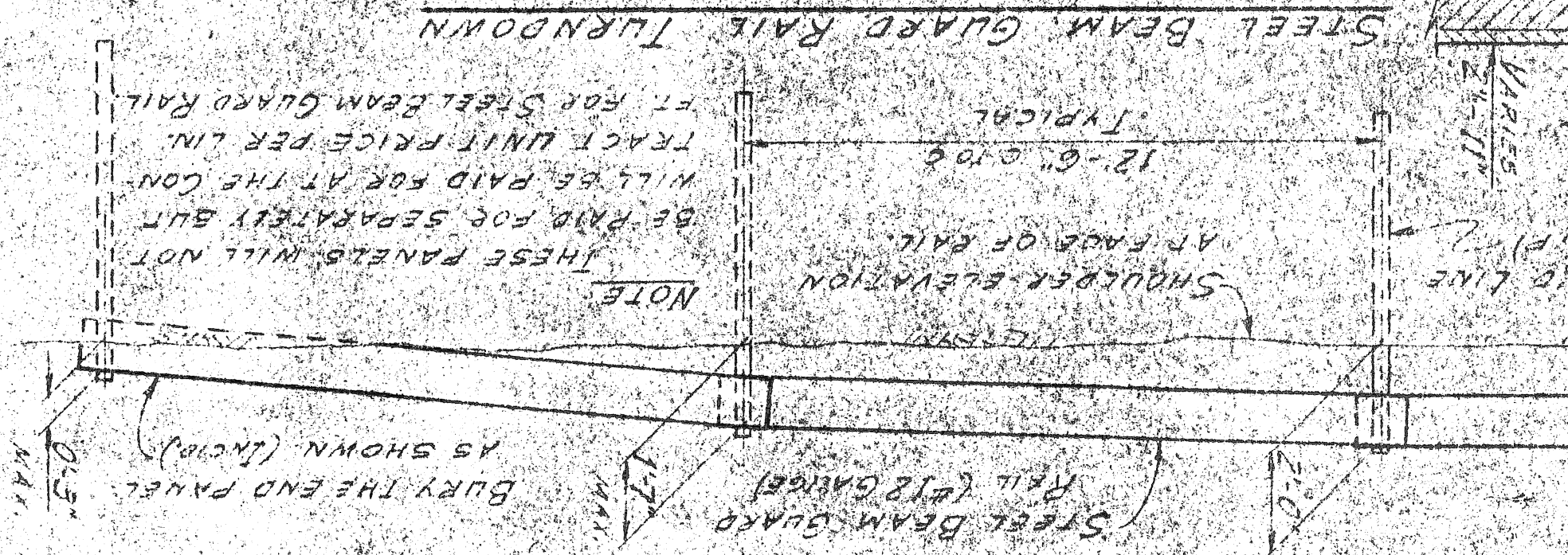
ON PROJECTS WITHOUT CURB WHERE A WIDENING IS NOT PROPOSED, EXCESS SHOULDER MATERIAL SHALL BE EXCAVATED TO LEVEL WITH OR BELOW THE EXISTING SURFACE (INCIDENTAL). ASPHALTIC CONCRETION UNDER SHOULDER TO A SUBGRADE WIDTH, AS DIRECTED BY THE ENGINEER, TO PROVIDE A STABLE BASE AND BACK UP AT THE EDGE OF PAVEMENT FOR THE PLACING OF PROPOSED BINDER AND WEARING COURSES. THE PREPARATION OF EXISTING AGGREGATE INTERSECTIONS AND SHALL BE LIABLE FOR ALL MATERIALS AND OPERATIONS TO OTHER UTILITIES AND STRUCTURES.

GENERAL NOTES

Yield Factors (Based on 1" thickness of aggregate base)

MATERIALS	NATURAL STONE	5.25
9A BINDER	111	
25A BINDER	107	
31A WEARING	106	
25A WEARING	107	
31A WEARING	106	

0.10 GALLONS YIELD ON EXISTING SURFACE
0.05 GALLONS YIELD ON PROPOSED SURFACE

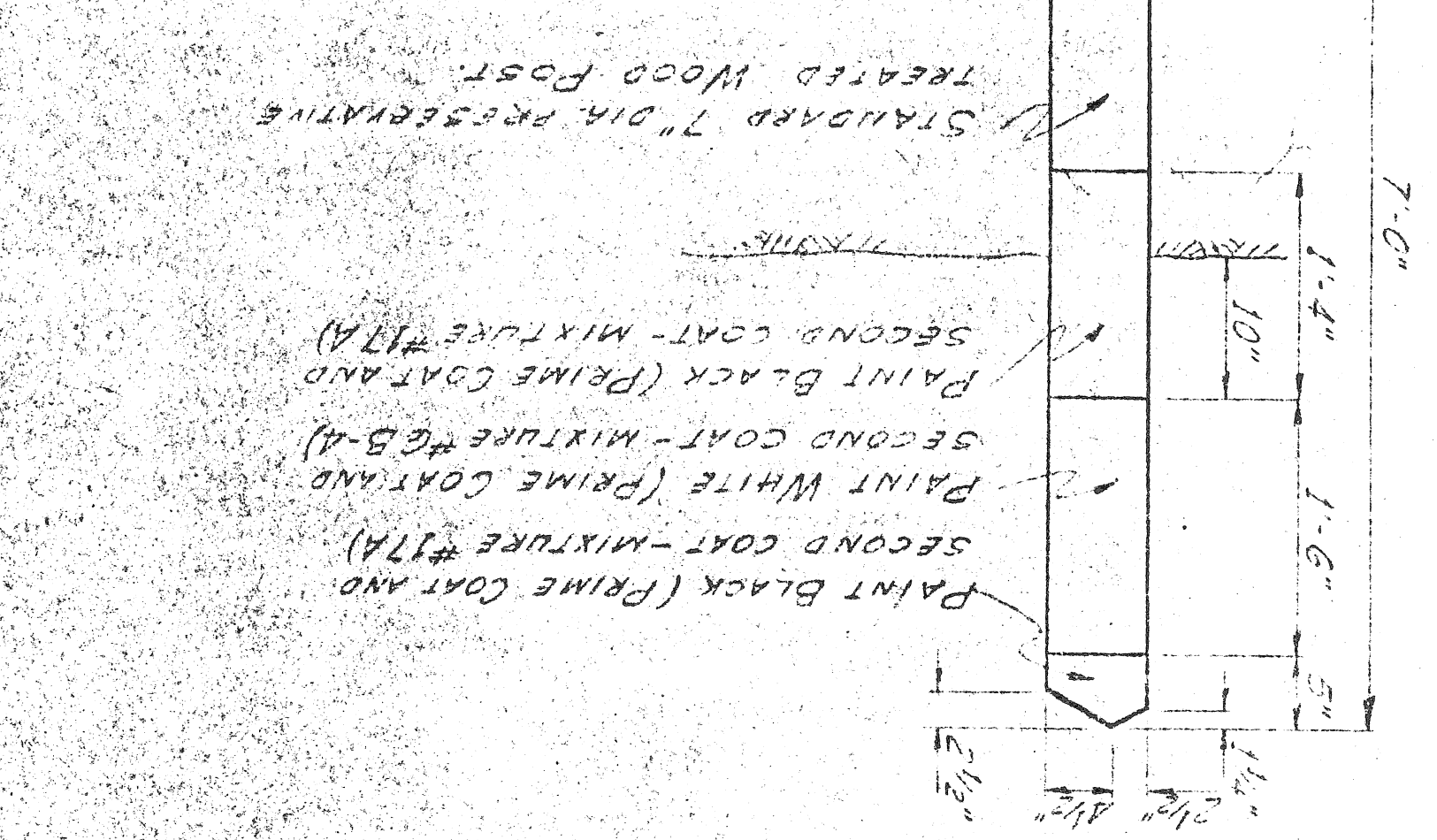
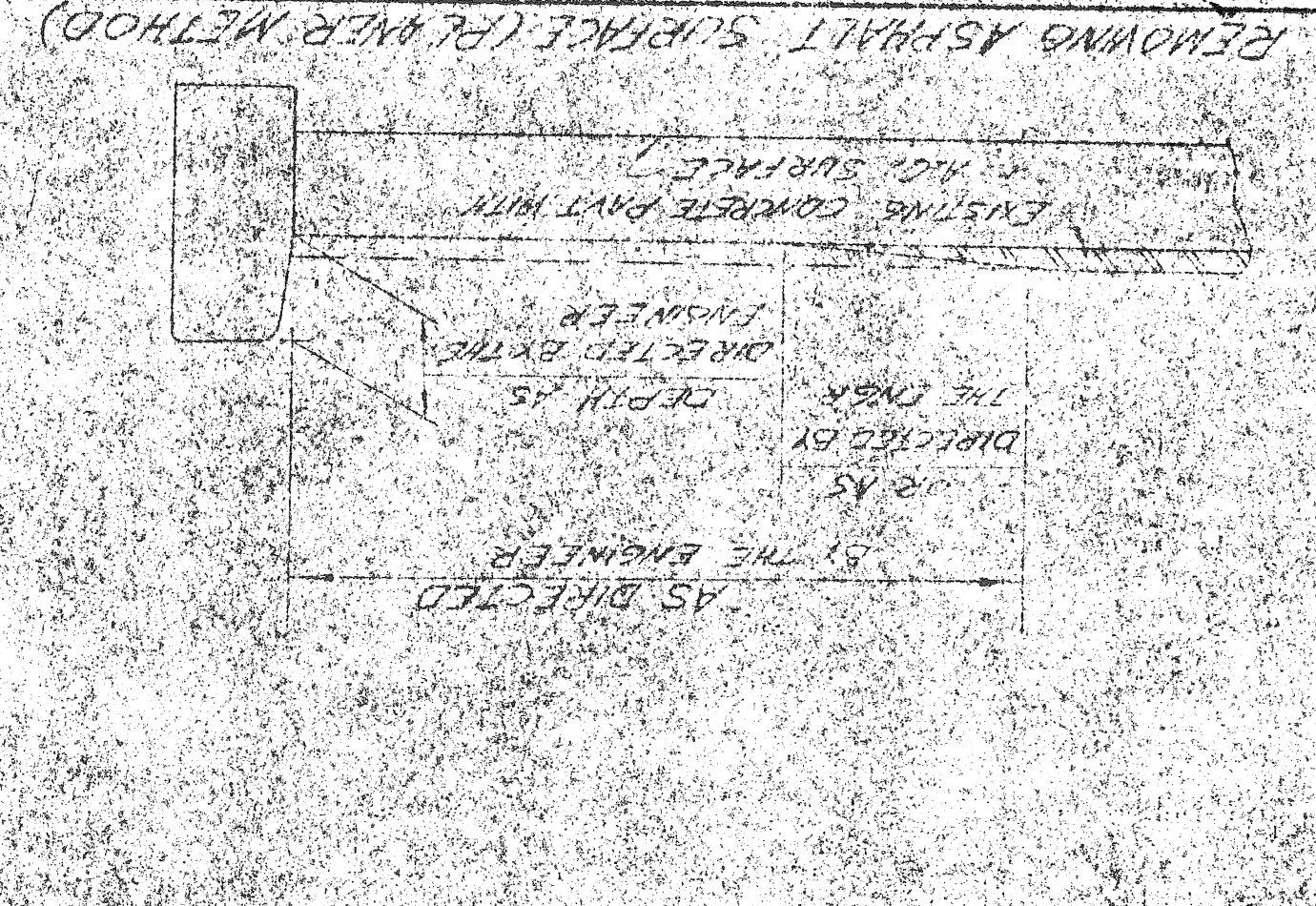
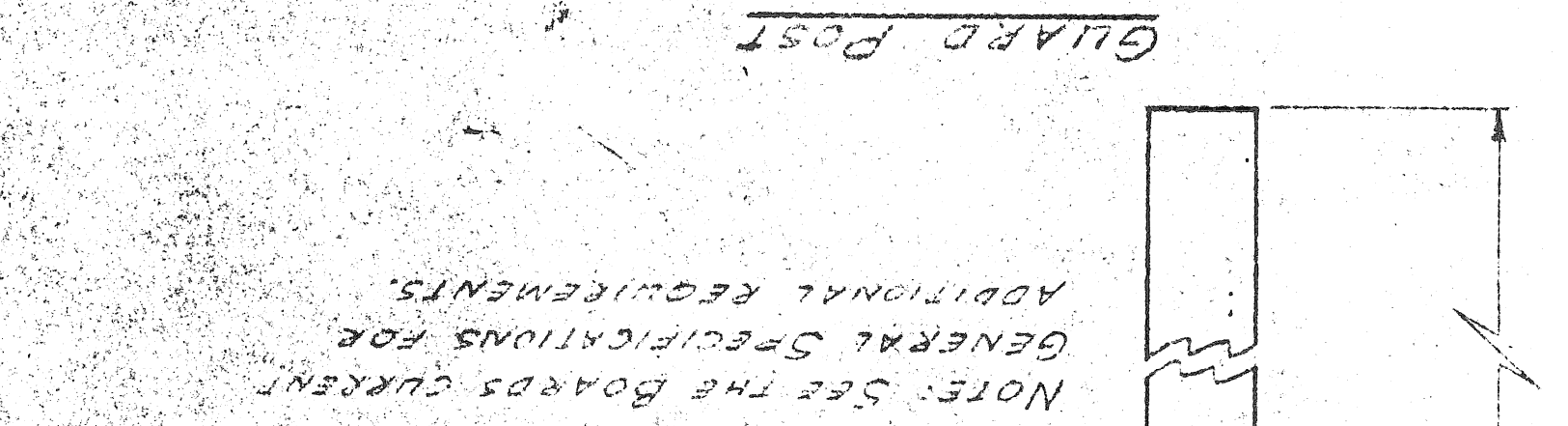


NOTE: Remove existing curbs to a minimum of 4 inches below the pavement surface. If an existing longitudinal curb joint is more than 3/8 inch from the curb face, the curb shall be sawed for the longitudinal sidewalk joint in place and the existing longitudinal curb & walk shall be removed. The curb face shall be finished and the sidewalk shall be replaced with the same material as the existing curb & walk. Removal and replacement shall be in accordance with the specifications.

1/2" wide sawed joint for use over longitudinal concrete joints in the base pavement as directed by the engineer. The depth of the sawed joint shall be 2 inches. The existing surface is asphaltic concrete otherwise use a depth of 1/2". Seal the sawed joint with cold-applied compound (AC-118). Seal the joint with cold-applied compound (AC-118).

PROPOSED ASPHALTIC CONCRETE SURFACE IS ASPHALTIC CONCRETE OTHERWISE USE A DEPTH OF 1/2". Seal the sawed joint with cold-applied compound (AC-118). Seal the joint with cold-applied compound (AC-118).

ASPHALTIC CONCRETE BASE COURSE, 25A (4" MAX. LIFTS) OVERFILL 1/2" MIN., 1/4" MAX.



EXISTING DRIVE CONNECTION VARIES 3-20" AS DIRECTED BY THE ENGINEER. TO BE MAINTAINED AT THE CONTACT WITH ASPHALTIC MATERIAL TO PROVIDE TRANSITION AT EXISTING EXISTING ASPH. OR CONC. DRIVE 25A OR 9A ASPH. CONC. BINDER USE 1" ASPH. CONC. WEARING COURSE, 31A

ASPHALTIC CONCRETE CURB WITH A.C. SURFACE

CONCRETE CURB - ROLL

NOTHING PAVEMENT FOR JOINT

REMOVING ASPHALT SURFACE (PLANNER METHOD)

PAVEMENT EDGE BASE PREPARATION

PLANE OF WEAKNESS JOINT

REPAIR AND UTILITY PATCHING

CONCRETE CURB - STRAIGHT

ASPHALTIC CONCRETE BASE

INTEGRAL CONCRETE CURB AND WALK

ASPHALTIC CONCRETE PAVEMENT

REMOVING ASPHALT SURFACE (PLANNER METHOD)

PAVEMENT EDGE BASE PREPARATION

PLANE OF WEAKNESS JOINT

REPAIR AND UTILITY PATCHING

ASPHALTIC CONCRETE RESURFACING DETAILS