

TYPICAL CROSS-SECTION  
DAVISON  
KLINGER TO CONANT

BITUMINOUS APPLICATION CHART			
ITEM	Rate of Application	Estimated Thickness	Asphalt Penetration
Bit. Mixture No. 1100L, 20AA	130#/sq.y.	1/2 inch	85-100
Bit. Mixture No. 1100T, 20AA	120#/sq.y.	1 inch	85-100
Bit. Bond Coat 0-0.10 Gal./Sq.Yd. to Rigid Bases and 0-0.05 Gal./Sq.Yd. Tack Coat between layers.			

\* Full sidewalk shall slope at 3/8 inch per foot unless the Engineer determines otherwise to meet existing conditions. The Engineer will choose within these limits: 1/4 inch per ft. min to 3/4 inch per ft max.

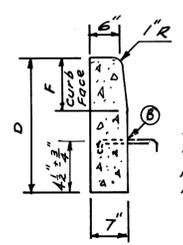
ESTIMATED QUANTITIES FOR USE AT THE DISCRETION OF THE ENGINEER†	
Removing Old Pavement (Patching)	5 Sq Yds.
Conc. Pav't Patching, Type FS 9", Nonreinforced	5 Sq Yds.
Subgrade Undercutting, Type II	25 Cu. Yds.
4" Concrete Sidewalk	360 Sq. Ft.
Removing Sidewalk	40 Sq Yds.
Cleaning Existing Storm Drainage Structures	5 Each
Class A Sodding	25 Sq Yds.
Topsoil Surface - 3"	25 Sq Yds.
Water	1.1 Units
Sewer Cleanout	150 Lin. Ft.
Cement	5 Tons
Concrete Curb, Detail "X"	35 Lin. Ft.
Removing Drainage Structures	1 Each
Catch Basin, C-76-III, Trench Detail B	1 Each
12" Sewer, C-76-III, Trench Detail B	20 Lin. Ft.
Conditioning Existing Pavement	1 Ton

† Quantities estimated for use throughout the 2 intersection improvements.

CURB DIMENSIONS	
FACE F	DEPTH D
5"	16 1/4"
6"	17 1/4"
7"	18 1/4"



INTEGRAL CURB



CONCRETE CURB  
DETAIL "X"

Longitudinal Pav't Joint according to M.D.O.T. Std Plan II-41-D.

GENERAL NOTES

- The prop. curb shall be "Integral Curb" with "Conc. Curb-Detail X" as an option. For details, see this sheet.
- Backfill, if required, under prop. sidewalks and/or pavement shall be Granular Material - Class II (Incidental to prop. sidewalk and/or pavement construction).
- The Curb Face Height shall be 7" unless otherwise called for on the Plans.
- Saw plane of weakness joints over the existing joint as required by the Engineer. This work will be paid for as "Sawed Longitudinal Plane of Weakness Joint".

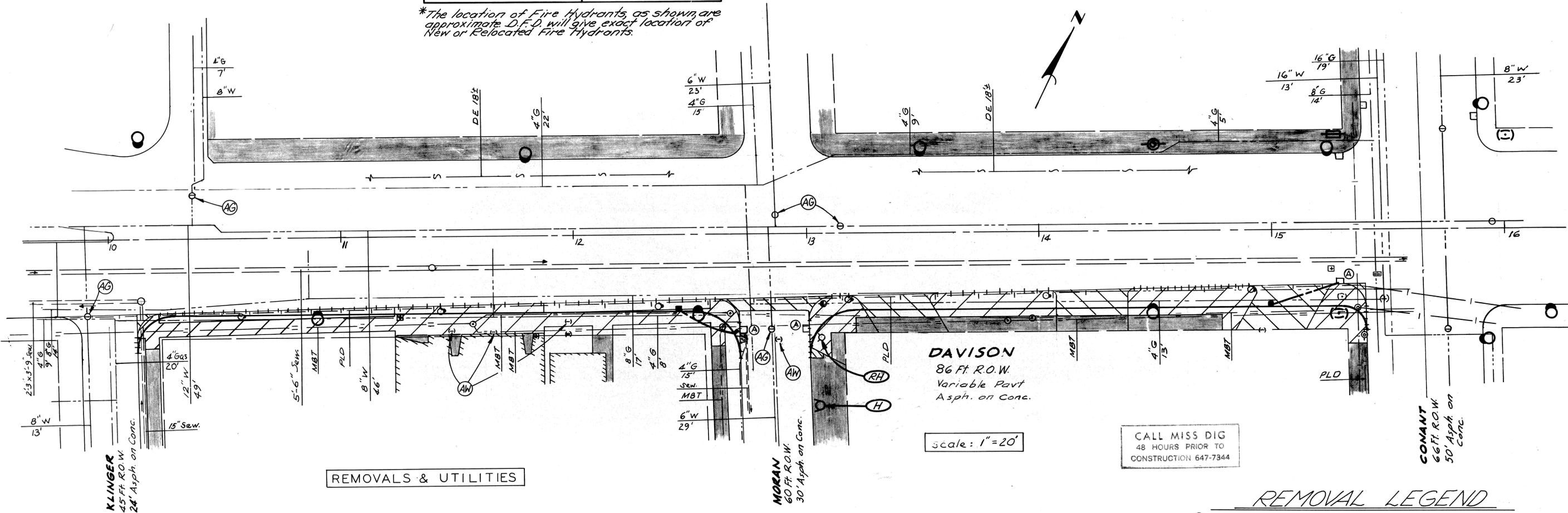
MISCELLANEOUS QUANTITIES†	
Mobilization	1 Lump Sum
On The Job Training	1 Each
Minor Traffic Devices	1 Lump Sum

No Scale

REVISIONS LOCATED BY COORDINATES ON SHEET COORD      DESCRIPTION      DRN      CKD      APVD      DATE	DESIGNED BY	APPROVED:	CITY OF DETROIT CITY ENGINEERING DIVISION - D. P. W. BUREAU OF STREETS AND HIGHWAYS	CONANT, AT DAVISON TYPICAL CROSS-SECTION	SHEET 2 OF 40 SHEETS
	DRAWN BY	ENGINEER OF STREETS			CONTRACT NO. 17662A
	TRACED BY	HIGHWAY ENGINEER			ASSIGNMENT NO.
	CHECKED BY				DATE Jan., 1983

HYDRANT ALTERATION WORK	
ITEM	QUANTITY & UNIT
Install New Fire Hydrant*	1 Each
Remove Fire Hydrant Method I or Method II	1 Each

\*The location of Fire Hydrants, as shown, are approximate. D.F.D. will give exact location of New or Relocated Fire Hydrants.



Scale: 1" = 20'

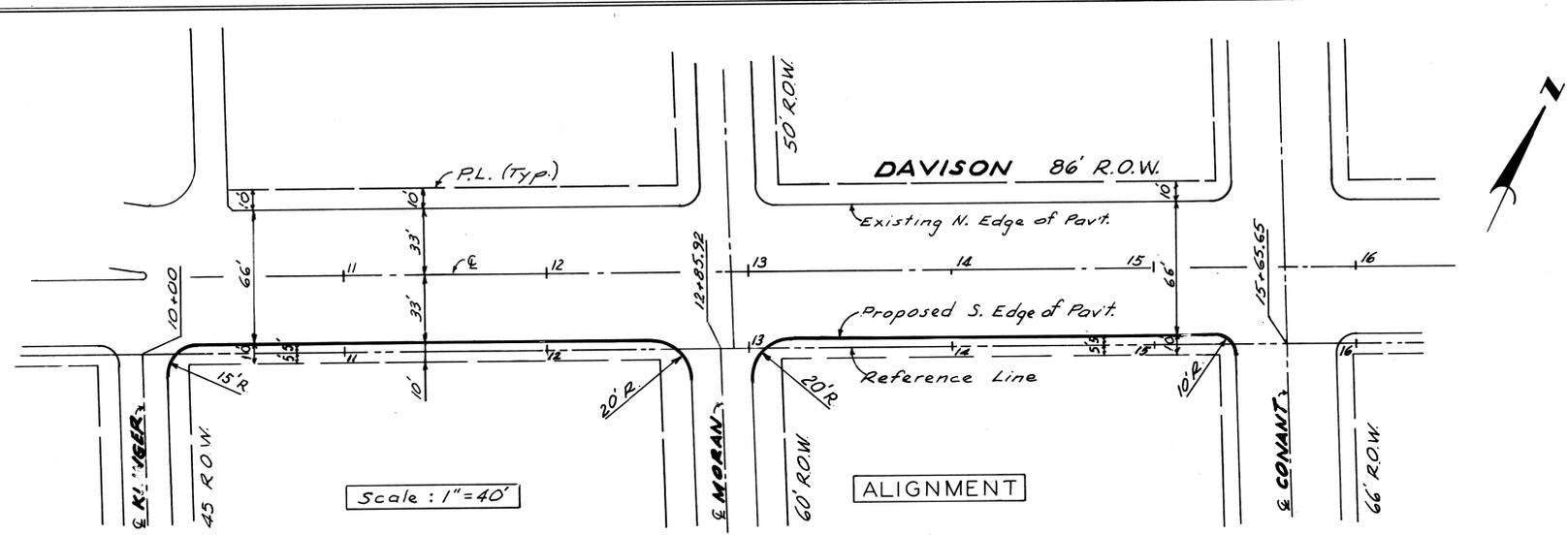
CALL MISS DIG  
48 HOURS PRIOR TO  
CONSTRUCTION 647-7344

**REMOVAL LEGEND**

- Adjusting Gatewell Manhole Covers
- Adjusting Water Shutoffs
- Install New Fire Hydrant
- Remove Fire Hydrant Method I or Method II
- Removing Pavement
- Removing Sidewalk
- Existing Sidewalk or Driveway to Remain
- Existing Building
- Removing Curb
- Abandoning Drainage Structures
- Removing Old Pavt (Patching) & Replace with Conc. Pavt Patching, Type F.S., 9", Nonreinf.

**NOTES**

1. For Utility Legend, See Sh.# 12.
2. Locations of existing utility lines are based on the best available records and are not guaranteed for accuracy.



Scale: 1" = 40'

**ALIGNMENT**

REFERENCE DRAWINGS DESIGNED BY DRAWN BY <i>RBP</i> TRACED BY CHECKED BY <i>WB</i>		APPROVED: ENGINEER OF STREETS HIGHWAY ENGINEER	CITY OF DETROIT CITY ENGINEERING DIVISION - D. P. W. BUREAUS OF STREETS AND HIGHWAYS	CONANT AT DAVISON UTILITIES, REMOVALS, & ALIGNMENT	SHEET <b>3</b> OF 40 SHEETS CONTRACT NO. <b>17662A</b> ASSIGNMENT NO. DATE <b>Jan., 1983</b>
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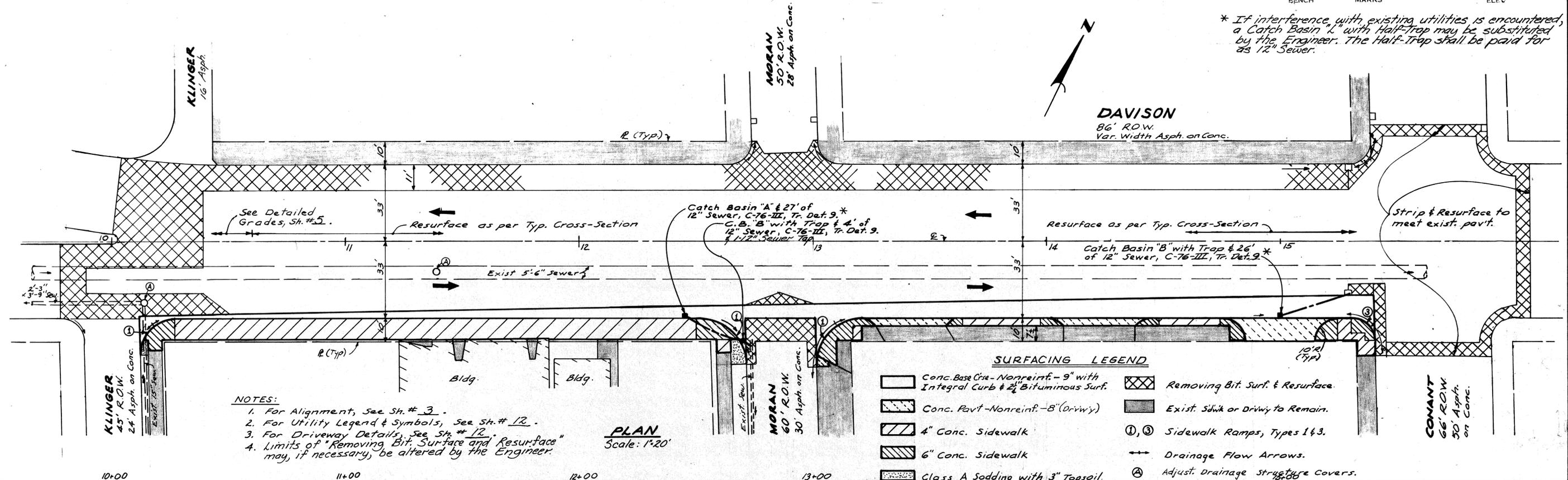
P.B.M. # 52-251, Elev. 147.69  
S.E. Cor. Davison & Conant.

C.B.M. Elev. 151.77 Arrow on Hydrant  
S.E. Corner Davison & Moran.

C.B.M. Elev. 152.69 Arrow on Hydrant  
S.W. Corner Davison & Klingar.

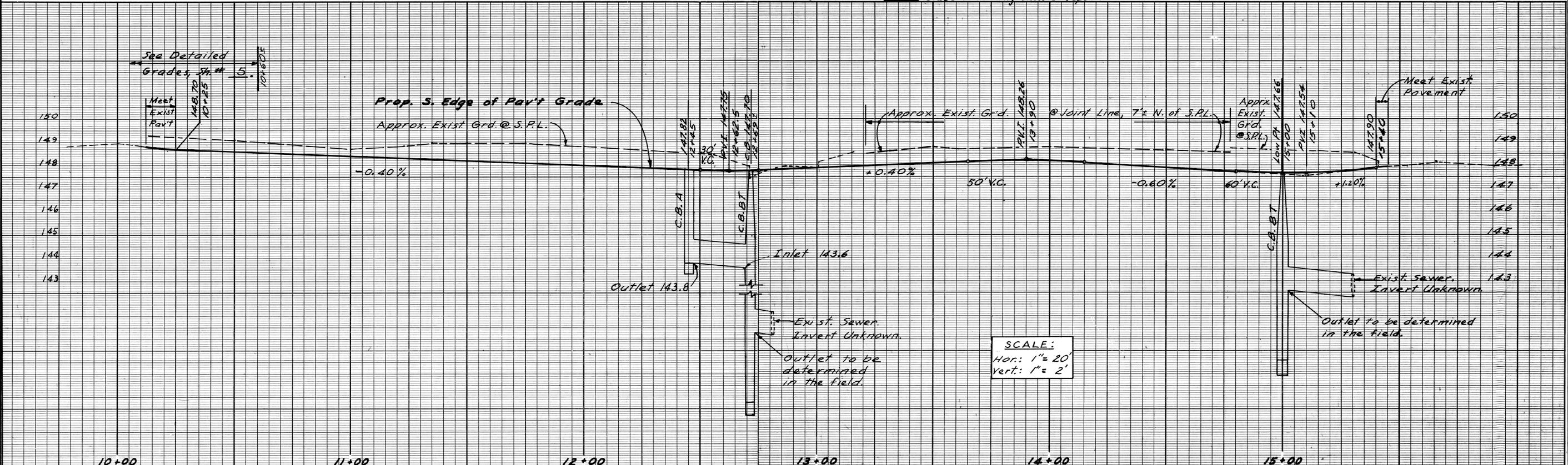
SCALE	HORIZONTAL: 1" = 20'	VERTICAL: 1" = 2'	BOOK NO.	PG.	DATE	LEVEL	CONTRACTOR

\* If interference with existing utilities is encountered, a Catch Basin "L" with Half-Trap may be substituted by the Engineer. The Half-Trap shall be paid for as 12" Sewer.



- NOTES:**
- For Alignment, See Sh. # 3.
  - For Utility Legend & Symbols, See Sh. # 12.
  - For Driveway Details, See Sh. # 12.
  - Limits of "Removing Bit. Surface and Resurface" may, if necessary, be altered by the Engineer.

**PLAN**  
Scale: 1" = 20'

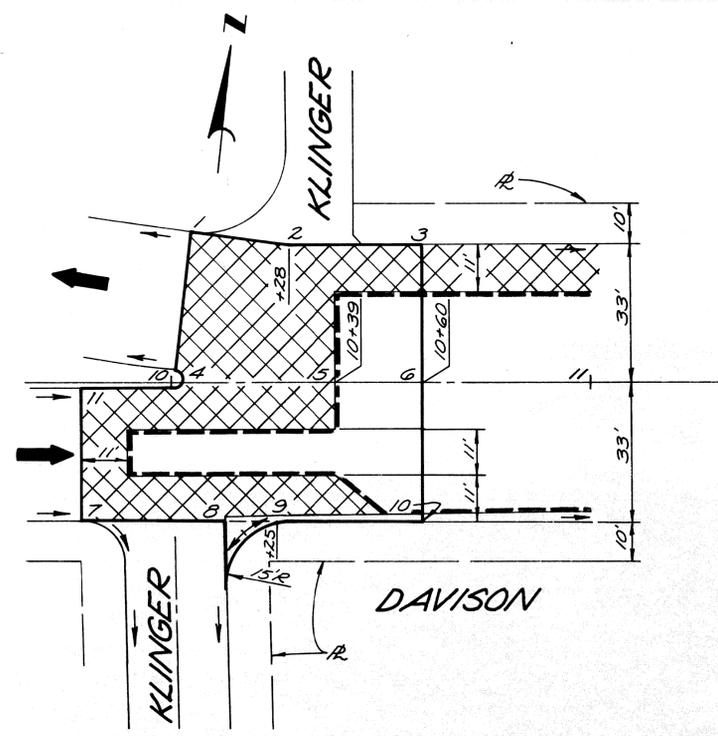


BY: RBP CHECKED BY: WB APPROVED: _____ ENGINEER OF STREETS		CITY OF DETROIT CITY ENGINEERING DIVISION - D.R.W. BUREAUS OF STREETS AND HIGHWAYS	CONANT AT DAVISON PLAN AND PROFILE		INDEX NO. 4 OF 40 SHEETS
DESCRIPTION: _____ REVISIONS: _____			CONTRACT NO. 17662A	ASSIGNMENT NO. _____	DATE Jan, 1983

SCALE	HORIZONTAL	VERTICAL	BOOK NO.	PG.	LEVEL DATE	CONTRACTOR	BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.
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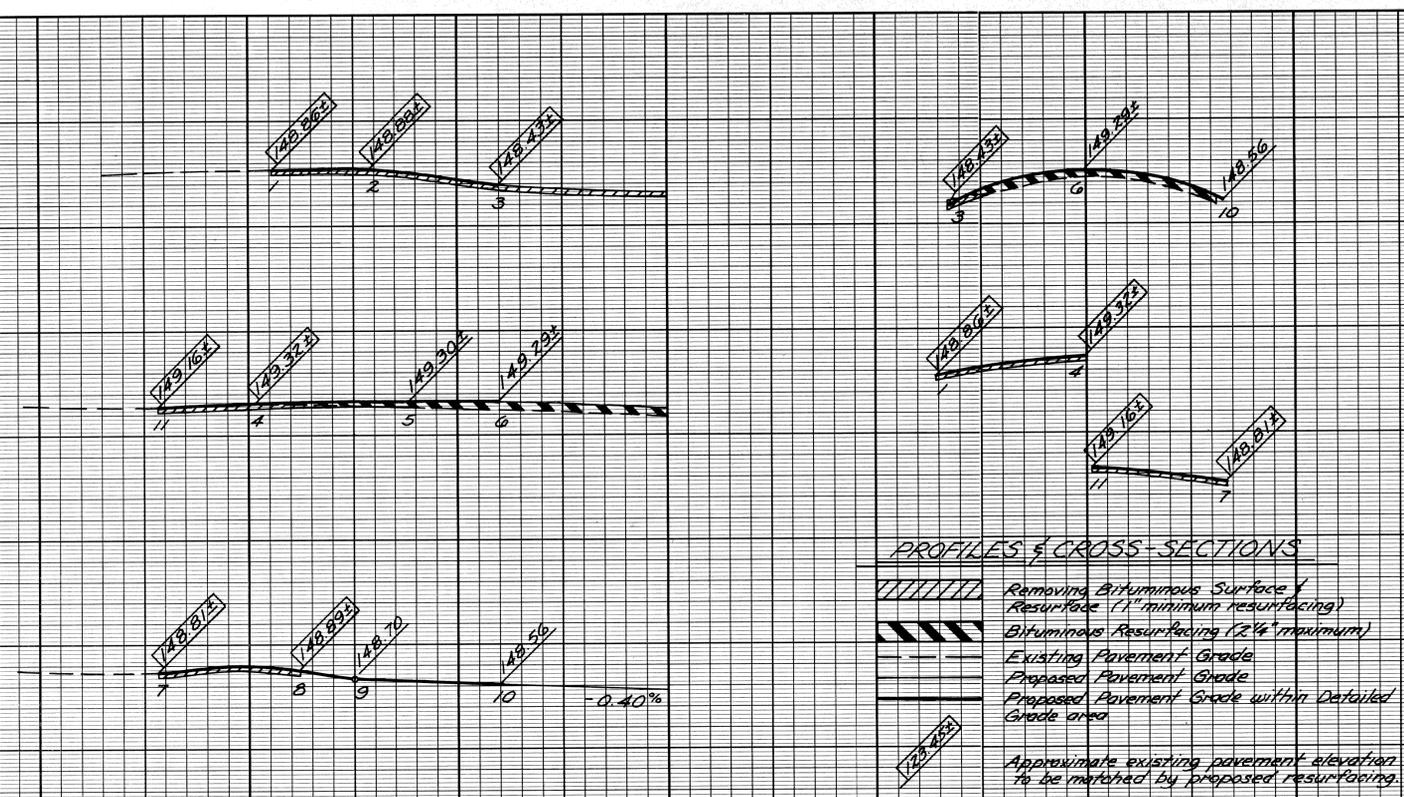
NOTE - FOR SYMBOLS (A) ETC. SEE STANDARD DETAIL DRAWING NO. C-4179

BENCH MARKS ELEV.



- PLAN LEGEND**
- Limits of Detailed Grade Area
  - Drainage Flow Arrows
  - Conc. Base Crse. - Nonreinf. - 9" with Integral Curb & 2 1/4" Bit. Surf.
  - Bituminous Resurfacing (2 1/4" maximum)
  - Removing Bituminous Surface and Resurface (1" minimum resurfacing)

**PLAN**  
Scale: 1"=20'



**PROFILES & CROSS-SECTIONS**

**SCALE**  
Horizontal: 1"=20'  
Vertical: 1"=2'

- NOTES:**
- Except for points 9 and 10, all elevations shown are approximate. Meet existing pavement elevations where indicated. Using this sheet as a guide, the Engineer shall see that the proposed resurfacing meets the existing pavement smoothly and drains properly.
  - All Profiles and Cross-Sections shown are drawn true length.

DESCRIPTION	DR	N	CK	D	AP	VO	DATE
REVISIONS							
BY	W.B.	CHECKED BY	RBP	APPROVED:			
GRADE	W.B.	RBP		ENGINEER OF STREETS			
ESTIMATE				ADMINISTRATIVE ENGINEER			
FINAL	CHECK	REVIEW		HEAD CIVIL ENGINEER			

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERS OFFICE

CONANT AT DAVISON

DAVISON-KLINGER DETAILED GRADE

INDEX NO.	SHEET 5 OF 40 SHEETS
CONTRACT NO.	17662A
ASSIGNMENT NO.	
DATE	Jan., 1983