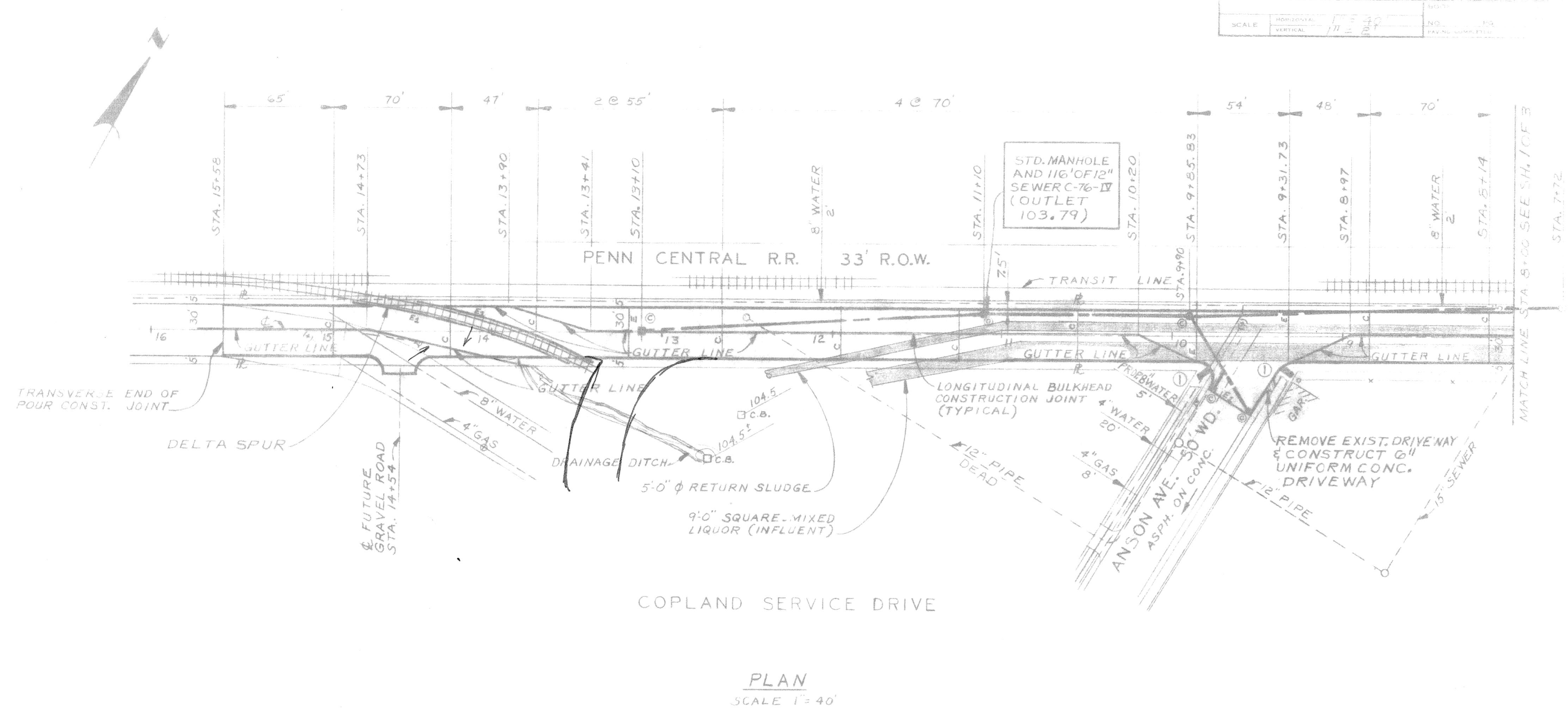


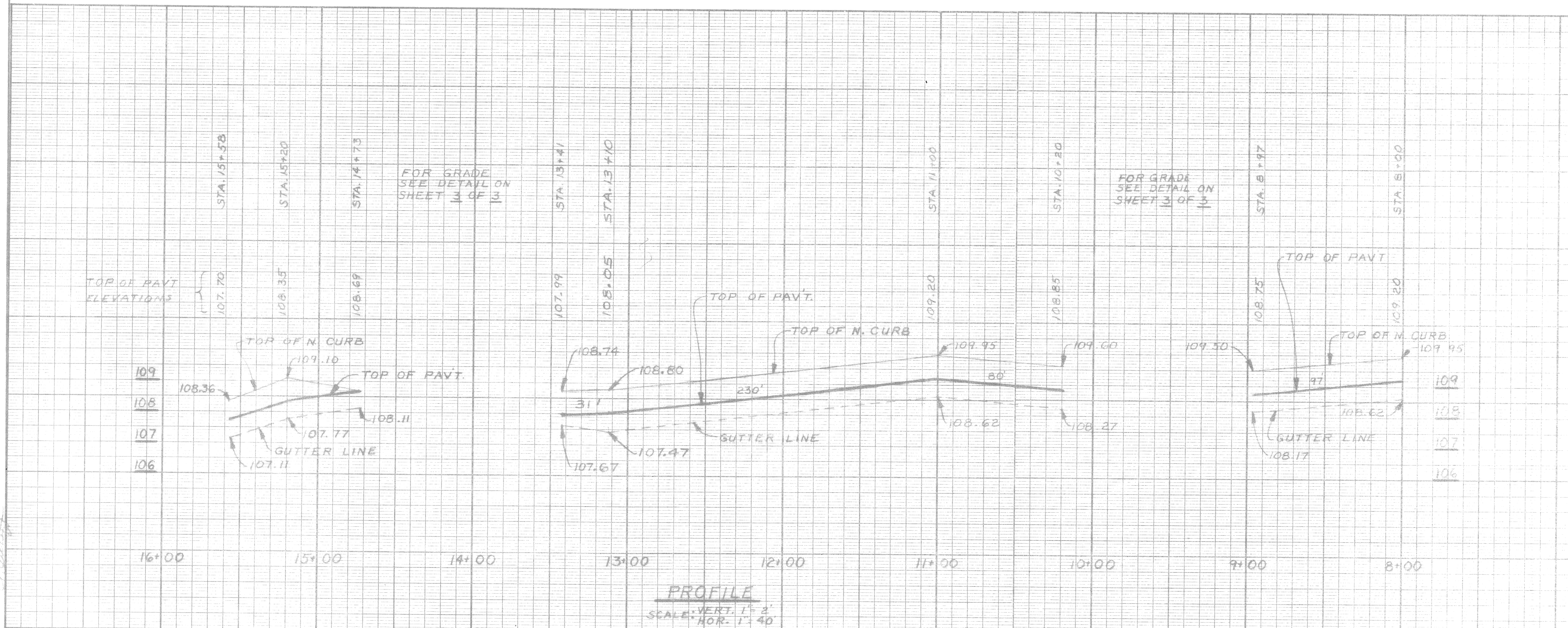
CITY OF DETROIT

Drawn April 1964



PLAN
SCALE 1" = 40'

- NOTE:
- FOR GENERAL NOTES AND PRINTING LEGEND SEE SHEET 1 OF 3.
 - FOR DRAINAGE DETAIL SEE SHEET 3 OF 3.



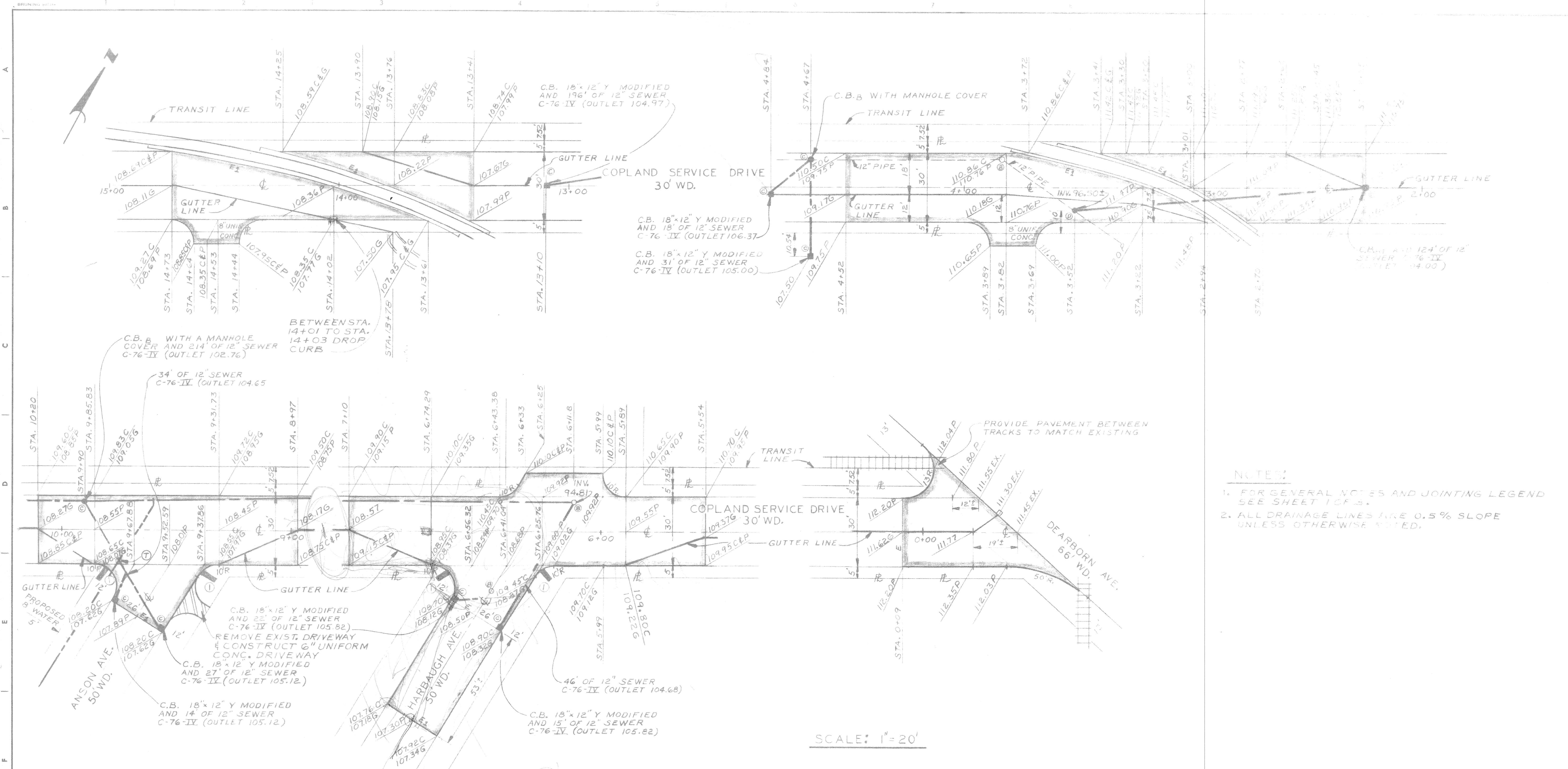
PROFILE
SCALE VERT. 1" = 2'
HOR. 1" = 40'

NOTE:
FOR PAVEMENT CROSS SECTIONS
SEE SHEET 1 OF 3.

Sewer Approved
7/30/14
C. J. [Signature]

PLAN GRADE ESTIMATE FINAL		BY I. Rosik [Signature]	CHECKED BY [Signature]	APPROVED Nam O. Xawwaa ENGINEER OF STREETS	CITY OF DETROIT CITY ENGINEERING DIVISION (E.P.M.D.) FOR WATER AND SEWERAGE DEPARTMENT	PROPOSED CHANGE ORDER # COPLAND SERVICE DRIVE FROM [Signature] TO DEARBORN AVE. PAVING, DRAINAGE AND UTILITY CONSTRUCTION	INDEX NO. 48 SHEET 2 OF 3 SHEETS CONTRACT NO. PC 406A PROJECT NO. 1400303E DATE 7/30/14
------------------------------------	--	-------------------------------	---------------------------	--	---	---	---

AG 76-62-01



- NOTES:**
1. FOR GENERAL NOTES AND JOINTING LEGEND SEE SHEET 1 OF 3.
 2. ALL DRAINAGE LINES HAVE 0.5% SLOPE UNLESS OTHERWISE NOTED.

SCALE: 1" = 20'

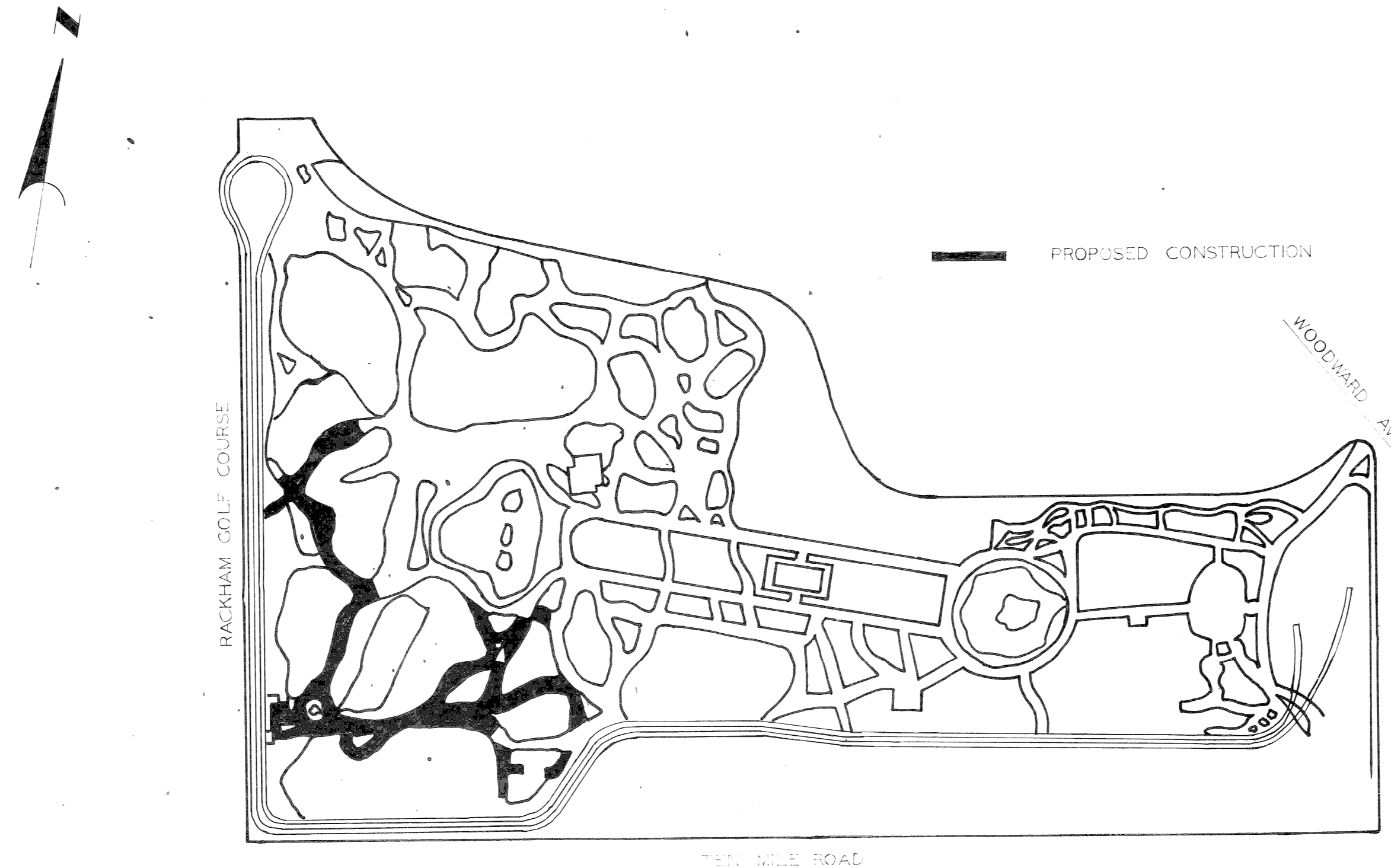
⊕ = WHERE 12" SEWER LINE CROSSES OVER THE PROPOSED 8" WATER LINE, ENCASE THE 12" SEWER LINE WITH 6" OF CLASS A CONCRETE FOR A DISTANCE OF 3' ON EACH SIDE OF THE 8" WATER LINE FOR A TOTAL OF 6'.

Not Approved

REVISIONS LOCATED BY COORDINATES ON SHEET 1 2 3 4 5 6 7 8 9		REFERENCE DRAWINGS DESIGNED BY <i>Wm. St. M...</i> DRAWN BY <i>F. Rosik</i> TRACED BY CHECKED BY <i>Wm. St. M...</i>	APPROVED: <i>Wm. O. Xawwas</i> ENGINEER OF STREETS CITY ENGINEER	CITY OF DETROIT CITY ENGINEERING DIVISION (E.R.M.D.) FOR WATER AND SEWERAGE DEPARTMENT	PROPOSED CHANGE ORDER "K" COPLAND SERVICE DRIVE FROM LEIGH ST. TO DEARBORN AVE. PAVING, DRAINAGE AND DRAINAGE STRUCTURES	AC 76-62-01 SHEET 3 OF 3 SHEETS CONTRACT No. PC 406A DRWG No. 7400303F DATE 5-5-76
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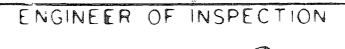
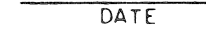

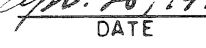
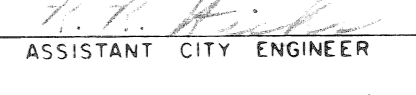
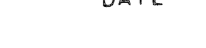
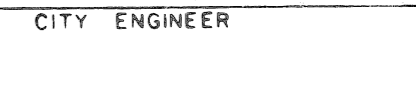


CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE

PLANS FOR PROPOSED
 WIDENING AND RESURFACING
 OF PUBLIC WALKWAYS
 DETROIT ZOOLOGICAL PARK
 FOR
 ZOOLOGICAL PARK COMMISSION



INDEX OF SHEETS

- 1 TITLE SHEET
- 2-3 WIDENING AND RESURFACING PLANS

PROJECT: WIDENING AND RESURFACING OF PUBLIC WALKWAYS DETROIT ZOOLOGICAL PARK		CONTRACT NO. ZO-62
PLANS PREPARED BY DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE		
RECOMMENDED FOR APPROVAL <small>ENGINEER OF INSPECTION</small>	 <small>ENGINEER OF INSPECTION</small>	 <small>DATE</small>
RECOMMENDED FOR APPROVAL <small>HIGHWAY ENGINEER</small>	 <small>HIGHWAY ENGINEER</small>	 <small>DATE</small>
APPROVED <small>ASSISTANT CITY ENGINEER</small>	 <small>ASSISTANT CITY ENGINEER</small>	 <small>DATE</small>
APPROVED <small>CITY ENGINEER</small>	 <small>CITY ENGINEER</small>	 <small>DATE</small>
DATE		DRWG. NO. 10F3

RACKHAM GOLF COURSE

MATCH LINE

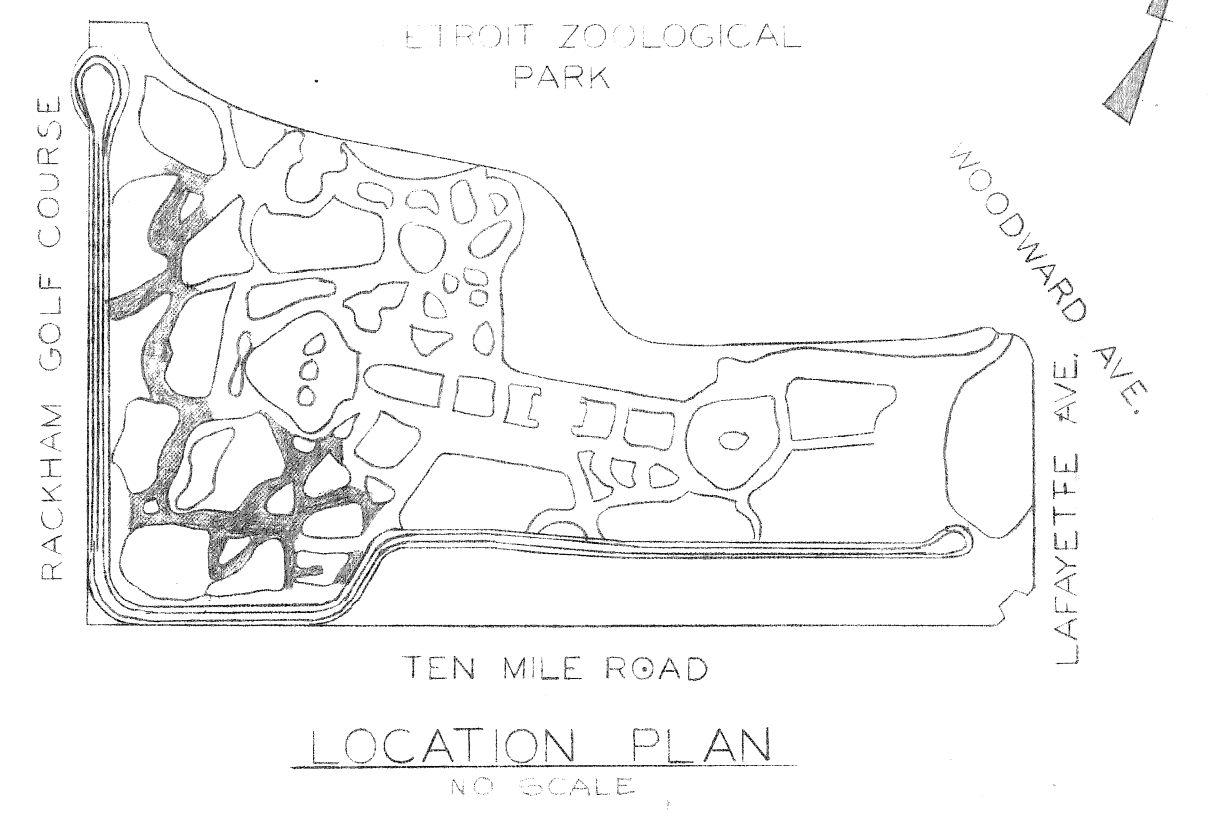


QUANTITIES		
NO.	DESCRIPTION OF ITEM	TOTAL
1	EXCAVATION	15.4 CYDS
2	CLEAN & CONDITION EXISTING SURFACE	7444 SYDS
3	4\"/>	
4	4\"/>	
5	BITUMINOUS BOND COAT	1117 GAL
6	RESETTING CATCH BASINS	1 EACH
7	RESETTING MANHOLES	5 EACH
8	RESETTING STOP BOXES	1 EACH
9	STRIPPING	10 SYDS
10	SHEET ASPHALT	10 TONS
11	SURFACE MIXTURES IN PLACE ALL NATURAL AGGREGATES A. FINE BINDER COURSE MIXTURE B. WEARING SURFACE MIXTURE - 31A	455 TONS 455 TONS
12	SURFACE MIXTURES IN PLACE ALL SLAG AGGREGATES A. FINE BINDER COURSE MIXTURE B. WEARING SURFACE MIXTURE 31A	417 TONS 429 TONS

NOTE:
FOR LEGEND SEE SHEET 3 OF 3
FOR TYPICAL SECTIONS SEE SHEET 3 OF 3

1/8\"/>

TEN MILE



DESIGNED BY	APPROVED
DRAWN BY	ENGINEER OF STREETS
TRACED BY	ENGINEER OF EXPRESSWAYS
CHECKED BY	

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
FOR
DETROIT ZOOLOGICAL PARK

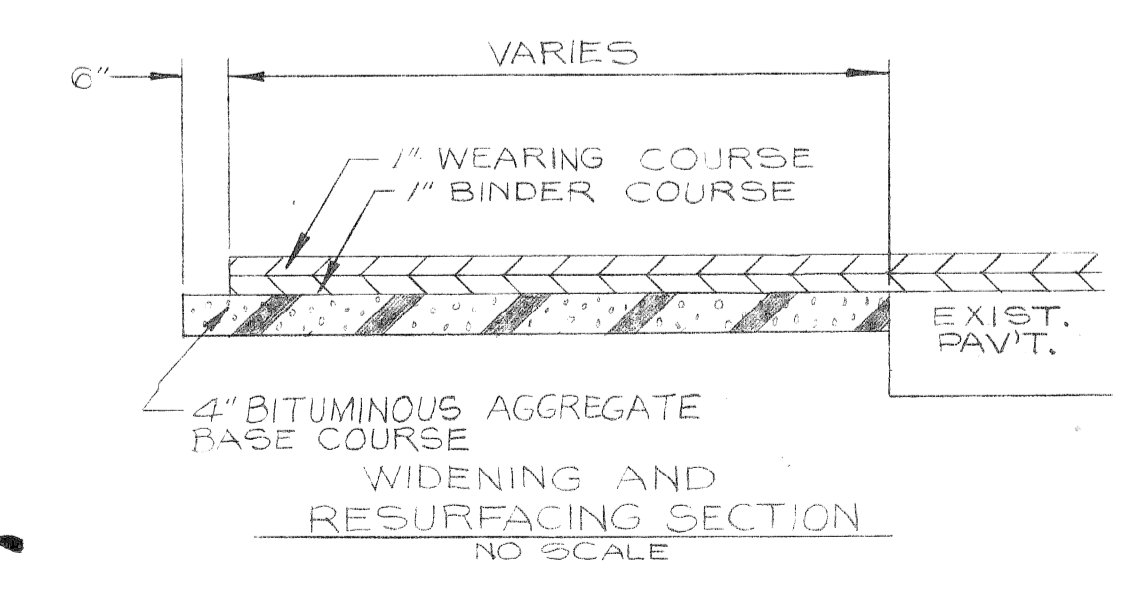
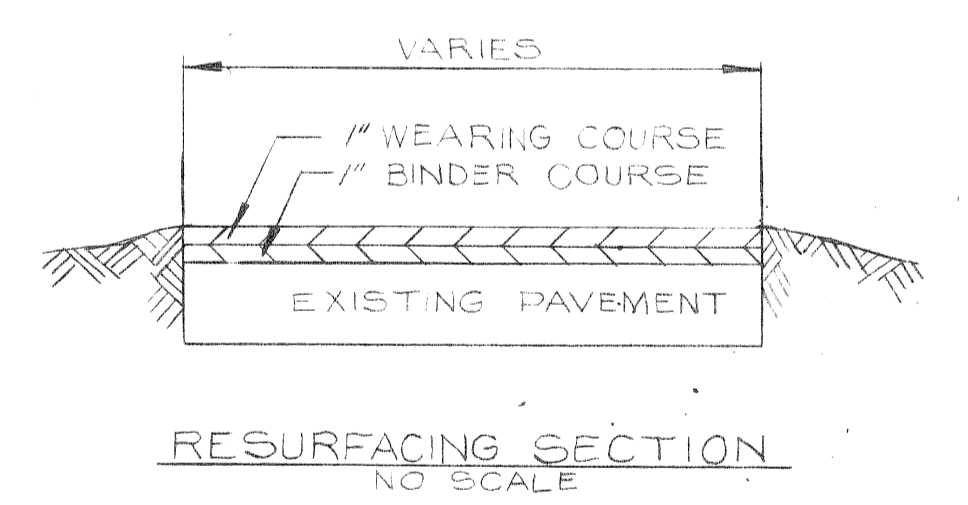
WIDENING AND RESURFACING OF
PUBLIC WALKWAYS
DETROIT ZOOLOGICAL PARK

SHEET 2 OF 3 SHEETS
CONTRACT NO. 70-62
JOB NO. AO 2061
DATE 4-20-72

REVISIONS LOCATED BY COORDINATES ON SHEET



- LEGEND**
- AREA TO BE RESURFACED
 - AREA TO BE WIDENED
 - RESET MANHOLE
 - RESET CATCH BASIN
 - WATER LINE
 - SEWER LINE



COORD	DESCRIPTION	DRN	CKD	APVD	DATE

REVISIONS LOCATED BY COORDINATES ON SHEET

DESIGNED BY
DRAWN BY *D. G. U.*
TRACED BY
CHECKED BY *M. Kawdas*

APPROVED:
J. Carlson
ENGINEER OF STREETS
W. E. Linn
ENGINEER OF EXPRESSWAYS

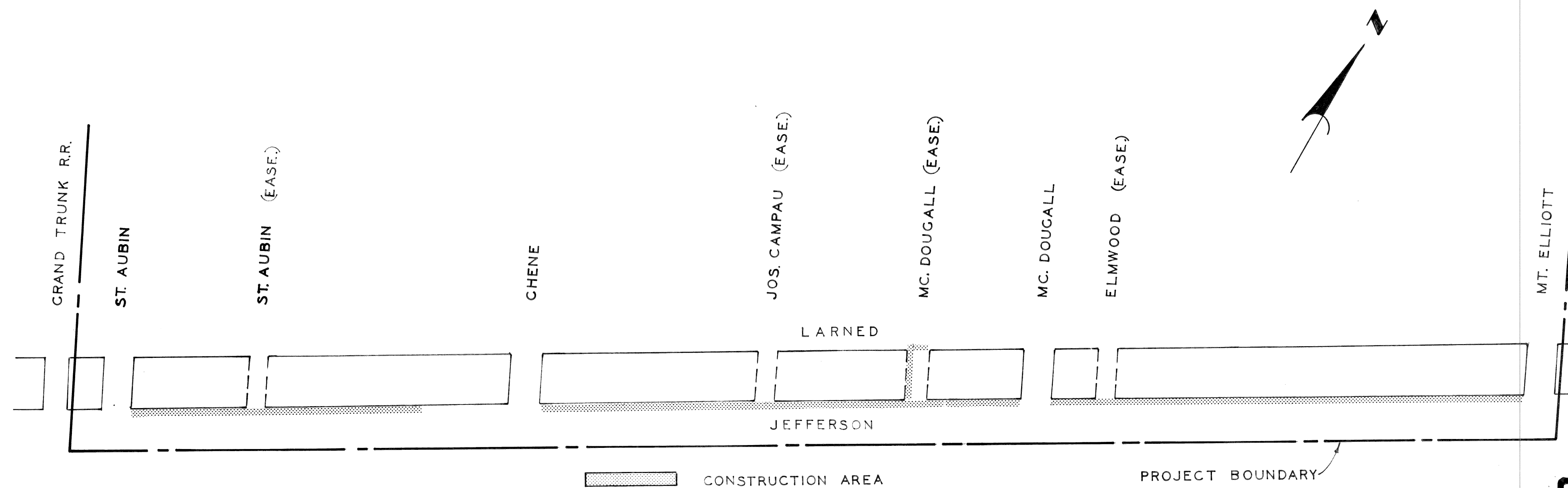
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
FOR
DETROIT ZOOLOGICAL PARK

WIDENING AND RESURFACING OF
PUBLIC WALKWAYS
DETROIT ZOOLOGICAL PARK

SHEET 3 OF 3 SHEETS
CONTRACT NO. ZO-62
JOB NO. AO 2061
DATE 4-20-72

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE

PLANS FOR PROPOSED
 CURB AND WALK REPLACEMENT
 ON
 JEFFERSON
 FROM
 ST. AUBIN TO MT. ELLIOTT
 ELMWOOD PARK REHABILITATION PROJECT NO. 2 MICH. R-62
 FOR
 COMMUNITY DEVELOPMENT COMMISSION

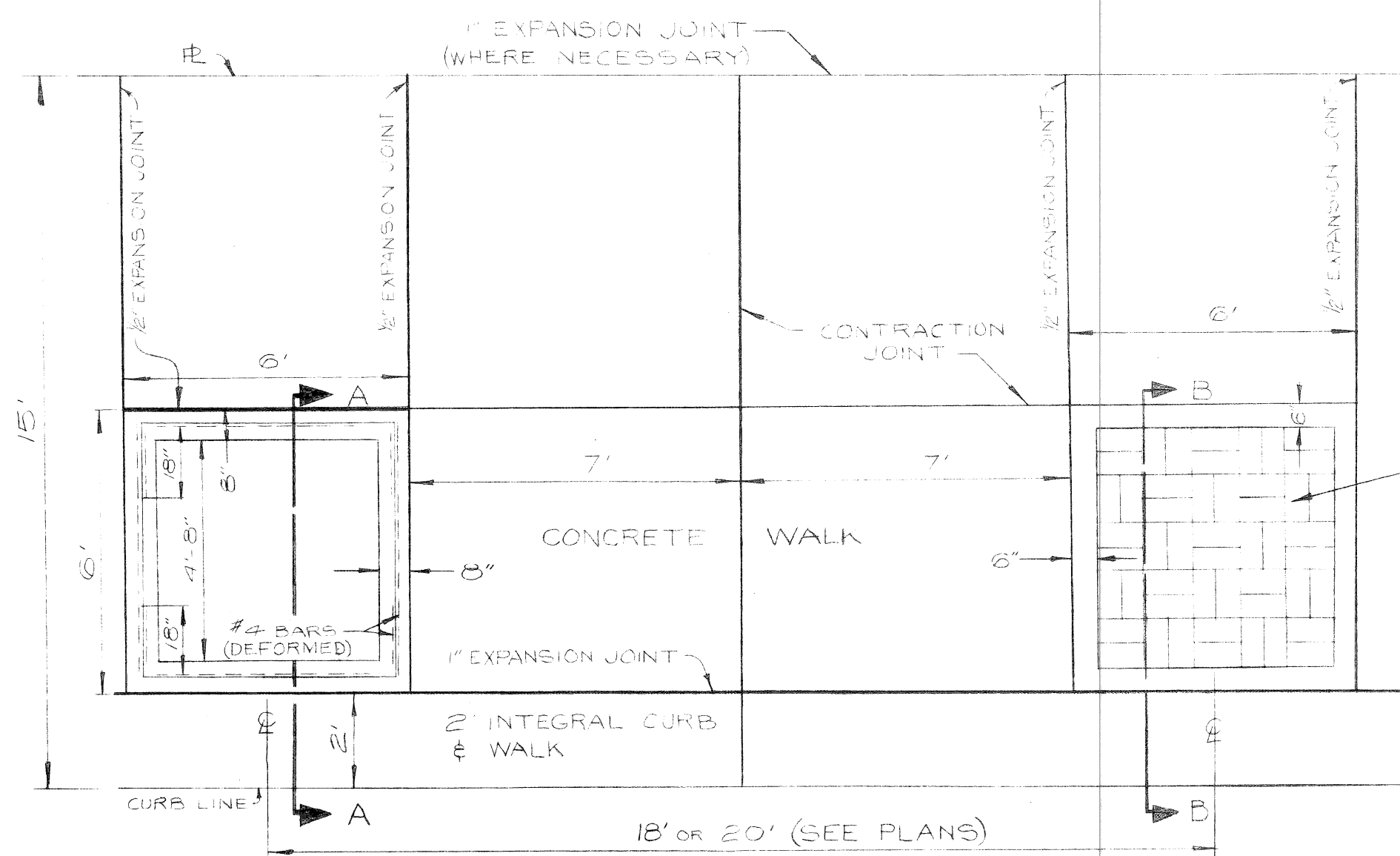


INDEX OF SHEETS

1. TITLE SHEET
2. QUANTITIES AND TYPICAL SECTIONS
- 3-4. REMOVAL AND UTILITY PLANS
- 5-6. CONSTRUCTION PLANS
- 7-8. GRADE PROFILES

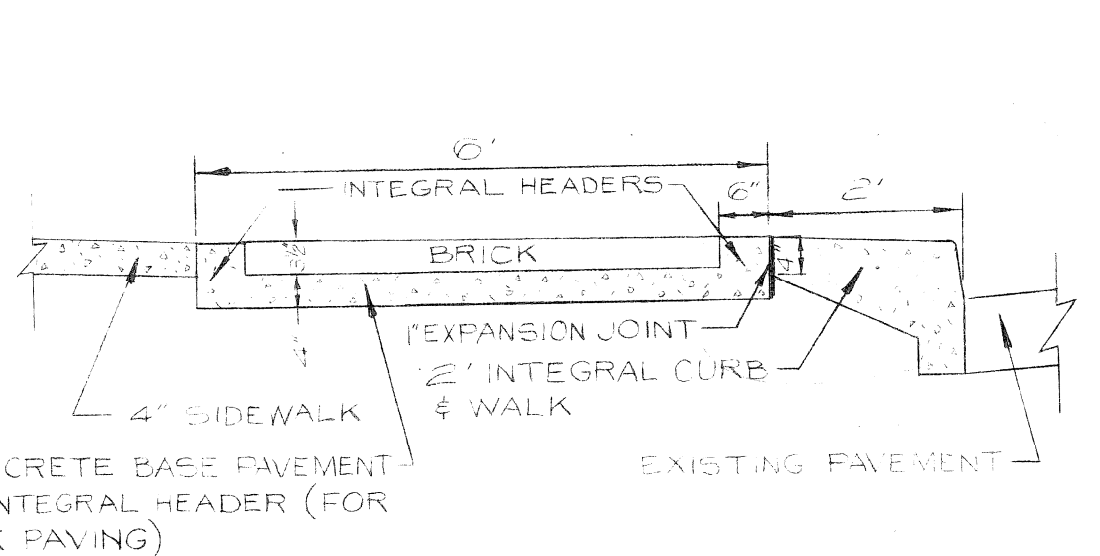
PROJECT: CURB AND WALK REPLACEMENT ON JEFFERSON FROM ST. AUBIN TO MT. ELLIOTT		CONTRACT NO.
ELMWOOD REHABILITATION PROJECT NO. 2 MICH. R-62		PW 6523
PLANS PREPARED BY DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE		
RECOMMENDED FOR APPROVAL	ENGINEER OF INSPECTION	12-21-72 DATE
RECOMMENDED FOR APPROVAL	<i>Allen E. [Signature]</i> HIGHWAY ENGINEER	12-21-72 DATE
APPROVED	ASSOCIATE CITY ENGINEER	DATE
APPROVED	CITY ENGINEER	DATE
DATE	12-21-72	DRWG. NO. 1

QUANTITIES					
NO.	DESCRIPTION OF ITEM	UNIT	STAUBIN TO STAUBIN	MT. ELLIOTT	TOTAL
1	EXCAVATION	CY	78	110	194
2	STREET PAVEMENT REML. (UNREINFORCED)	SYS	119	871	990
3	DRIVEWAY REMOVAL	SFT	3935	2544	6479
4	INTEGRAL CURB REMOVAL	LFT	127		127
5	SEPARATE TYPE CURB REML. (UNREINFORCED)	SYS	1893	1125	3018
6	SIDEWALK REMOVAL	SFT	17551	23841	41392
7	FILL (GRADE A)	CY	98	75	173
8	FILL (22A)	CY		175	175
9	MANHOLE - ADJUSTMENT	EA	2	3	7
10	CATCH BASIN NEW - 12" X 18" SPECIAL Y	EA		2	2
11	CATCH BASIN - ADJUSTMENT	EA	1	3	4
12	CATCH BASIN - ABANDONMENT	EA	1	3	4
13	STOP BOX - ADJUSTMENT	EA	2	6	8
14	GAS SHUT OFF - ADJUSTMENT	EA	1	1	2
15	SEWERS UNDER PAVEMENT - 12" PIPE C76-III	LFT		180	180
16	CONCRETE BASE PAVEMENT - 4" UNIFORM REINFORCED WITH 3" INTEGRAL CURB	SYS		923	923
17	CONCRETE BASE PAVEMENT - 6" UNIFORM WITH INTEGRAL CURB	SYS		68	68
18	4" CONC. BASE PAVT. WITH INTEGRAL HEADER	SYS	228	236	464
19	INTEGRAL CURB AND SIDEWALK - 2 FT. WIDTH	LFT	1920	990	2910
20	STRIP AND ADJUST ASPHALT SURFACE	SYS	67	22	89
21	TEST CORES	EA		2	2
22	SIDEWALKS - 4" STANDARD	SFT	2017	23396	43513
23	SIDEWALKS - 6" STANDARD	SFT	1033	1508	2541
24	DRIVEWAYS - 8" STANDARD	SFT	2068	2859	4927
25	REIN. SEPARATE TYPE CURB - SPECIAL	LFT	854	811	1665
26	VITRIFIED BRICK SURFACE COURSE	SFT	1425	1475	2900
27	MANHOLE - RECONSTRUCT CONE	EA		1	1
28	SOD REPLACEMENT	SYS	125		125
29	MAINTAINING TRAFFIC	LUMP SUM			
30	CATCH BASIN "A" - NEW	EA		1	1
31	CATCH BASIN "B" - NEW	EA		1	1
32	CATCH BASIN "B" WITH TRAP - NEW	EA		1	1
33	SEWERS - 12" PIPE - C76 - III	LFT		150	150

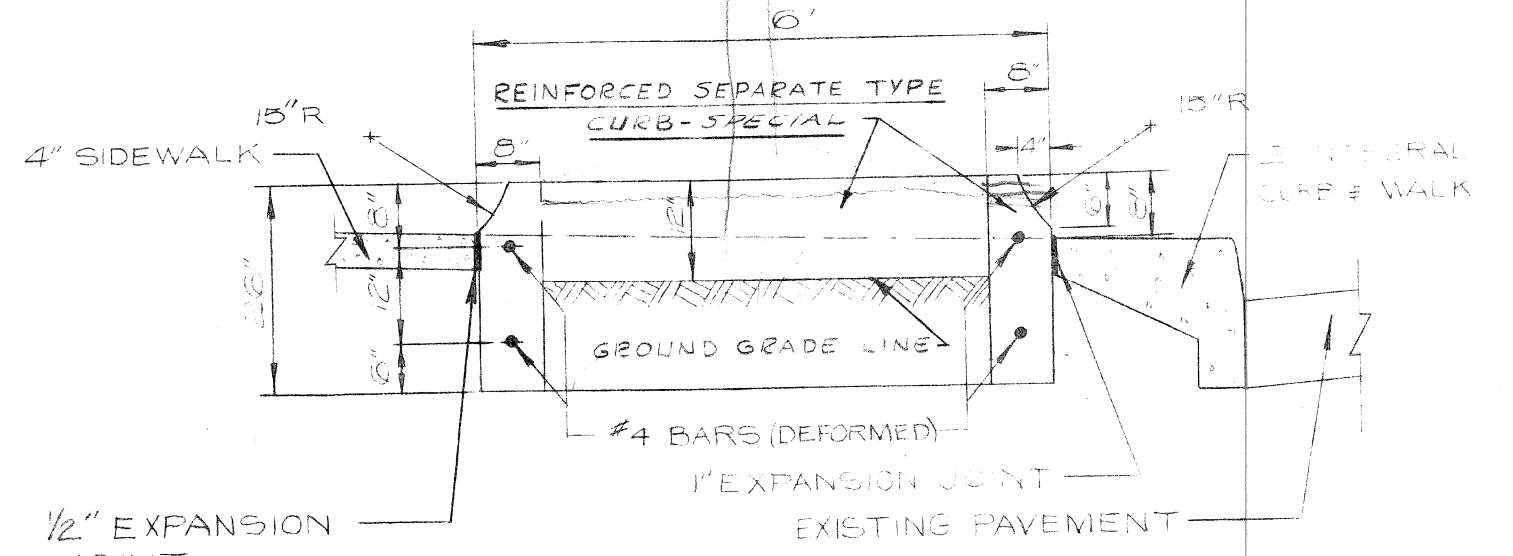


PLANTER BOX AND BRICK PAVING PLAN
TYPICAL DETAIL
SCALE 1" = 30'

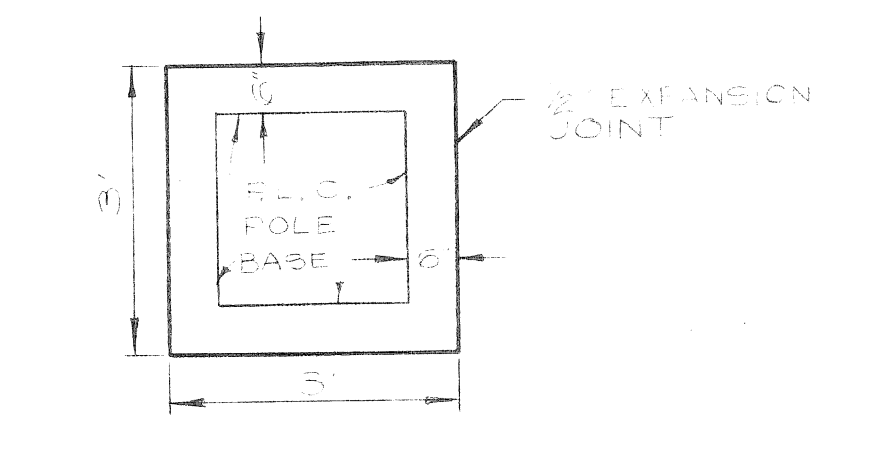
address
1959 246
John Christopher



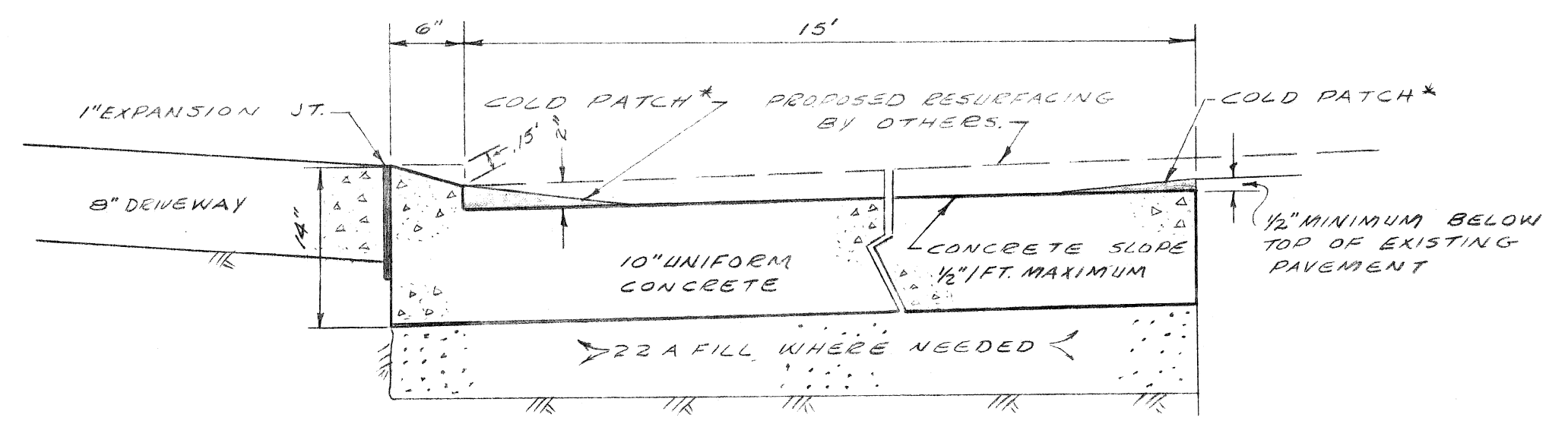
SECTION B-B
SCALE 1" = 20'



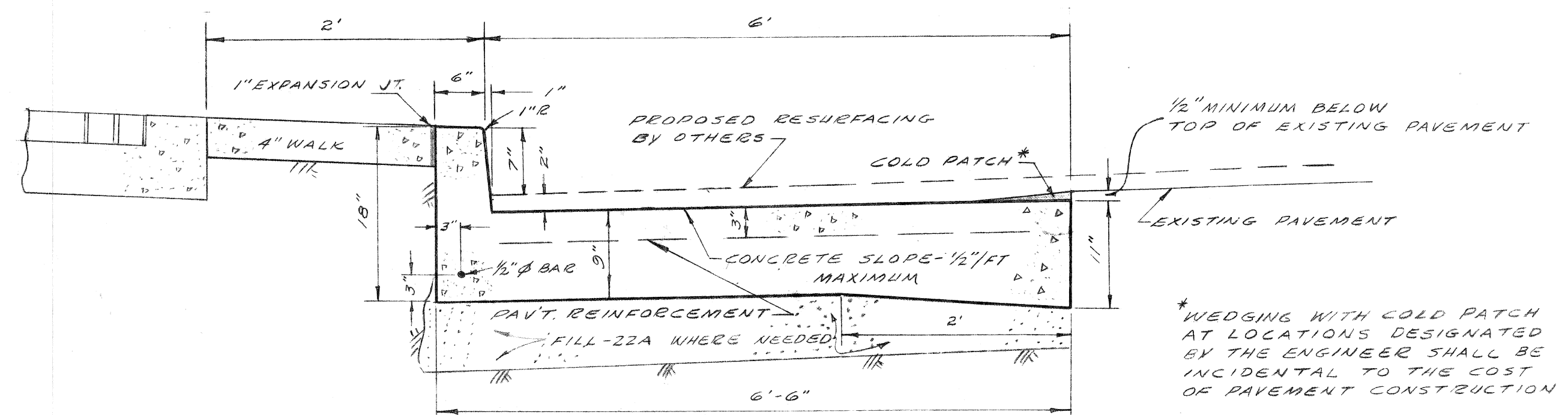
PLANTER BOX SECTION A-A
SCALE 1" = 20'



JOINT DETAIL AT EXISTING PLC POLES
SCALE 1" = 20'

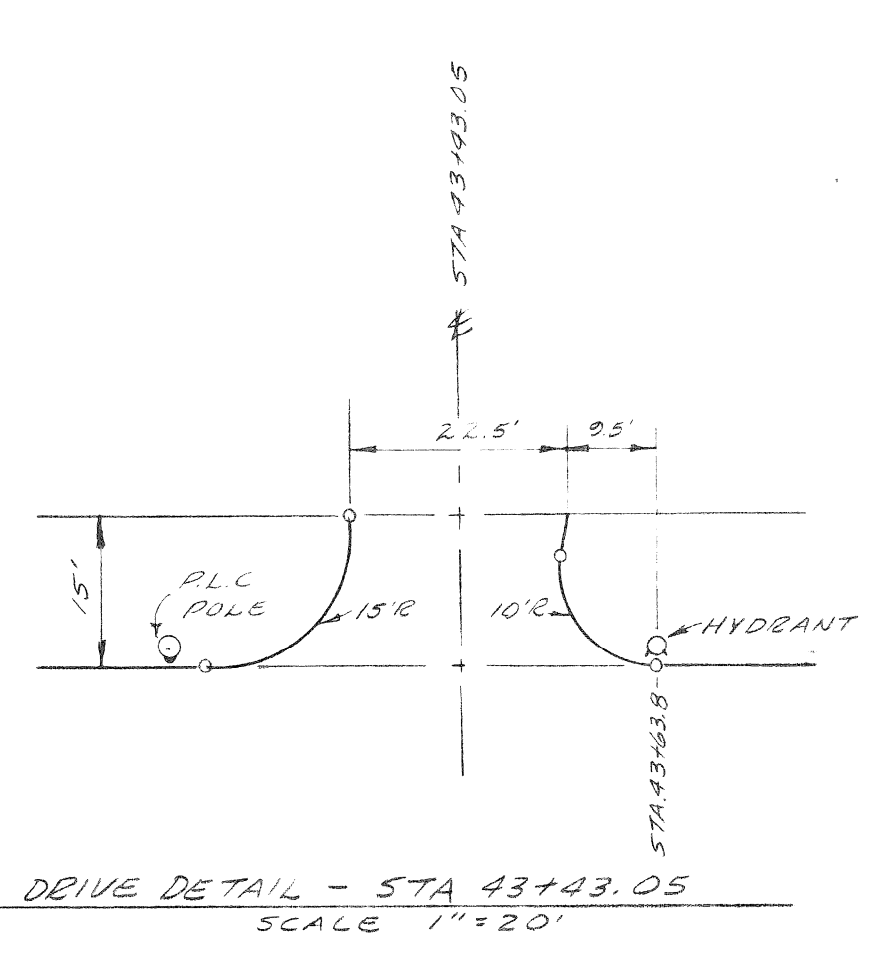
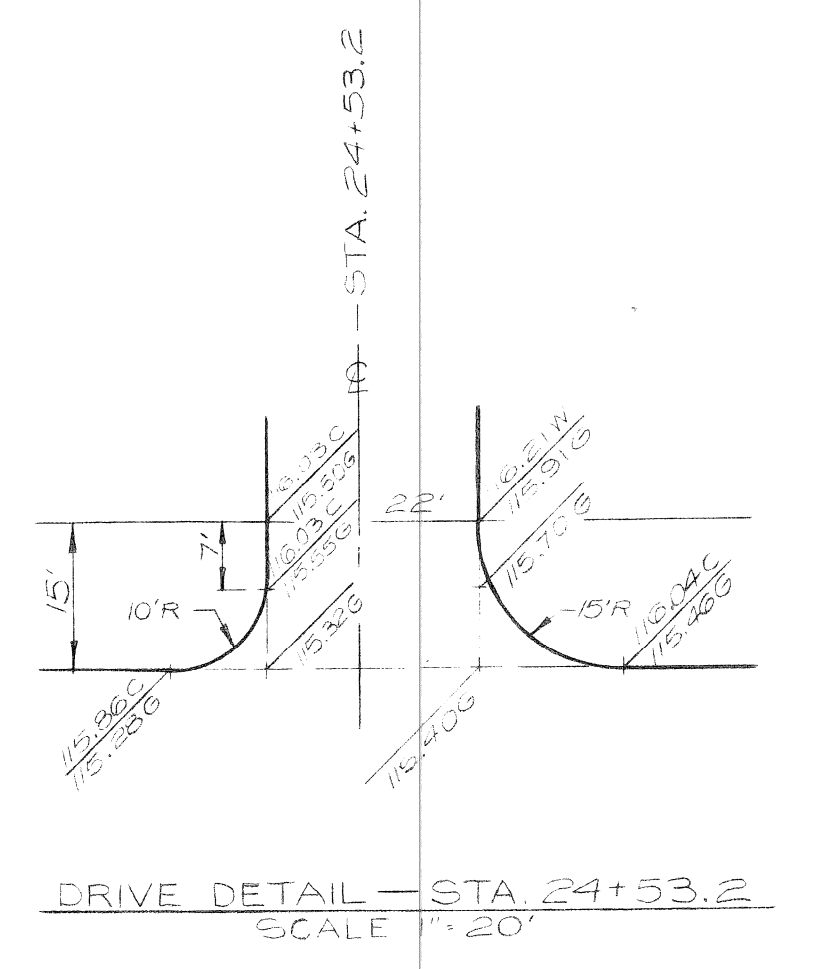
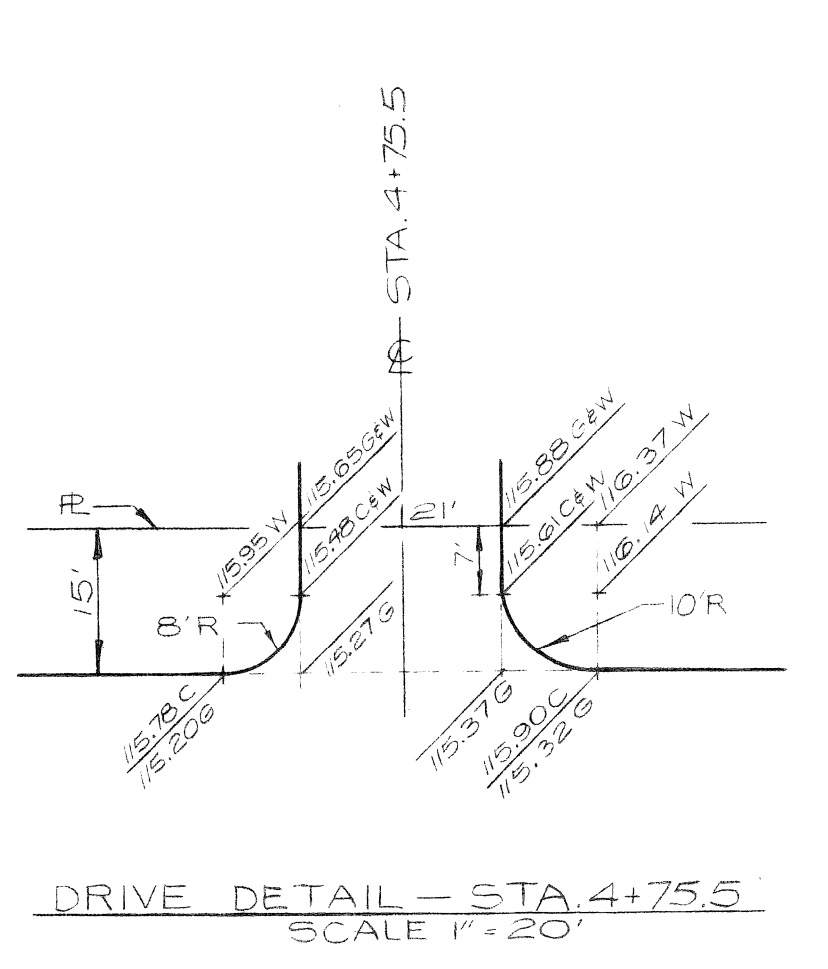


TYPICAL DETAIL - 10" UNIFORM PAVEMENT
SCALE 1" = 1'



TYPICAL PAVEMENT DETAIL STA. 41+15 ~ STA. 54+25
SCALE 1" = 1'

PAVEMENT REPLACEMENT SECTIONS



DESIGNED BY	TALLEY	APPROVED:	<i>[Signature]</i>
DRAWN BY	A. G. U.	ENGINEER OF STREETS	
TRACED BY		ENGINEER OF EXPRESSWAYS	
CHECKED BY	W.L.T. / J. K. [Signature]		

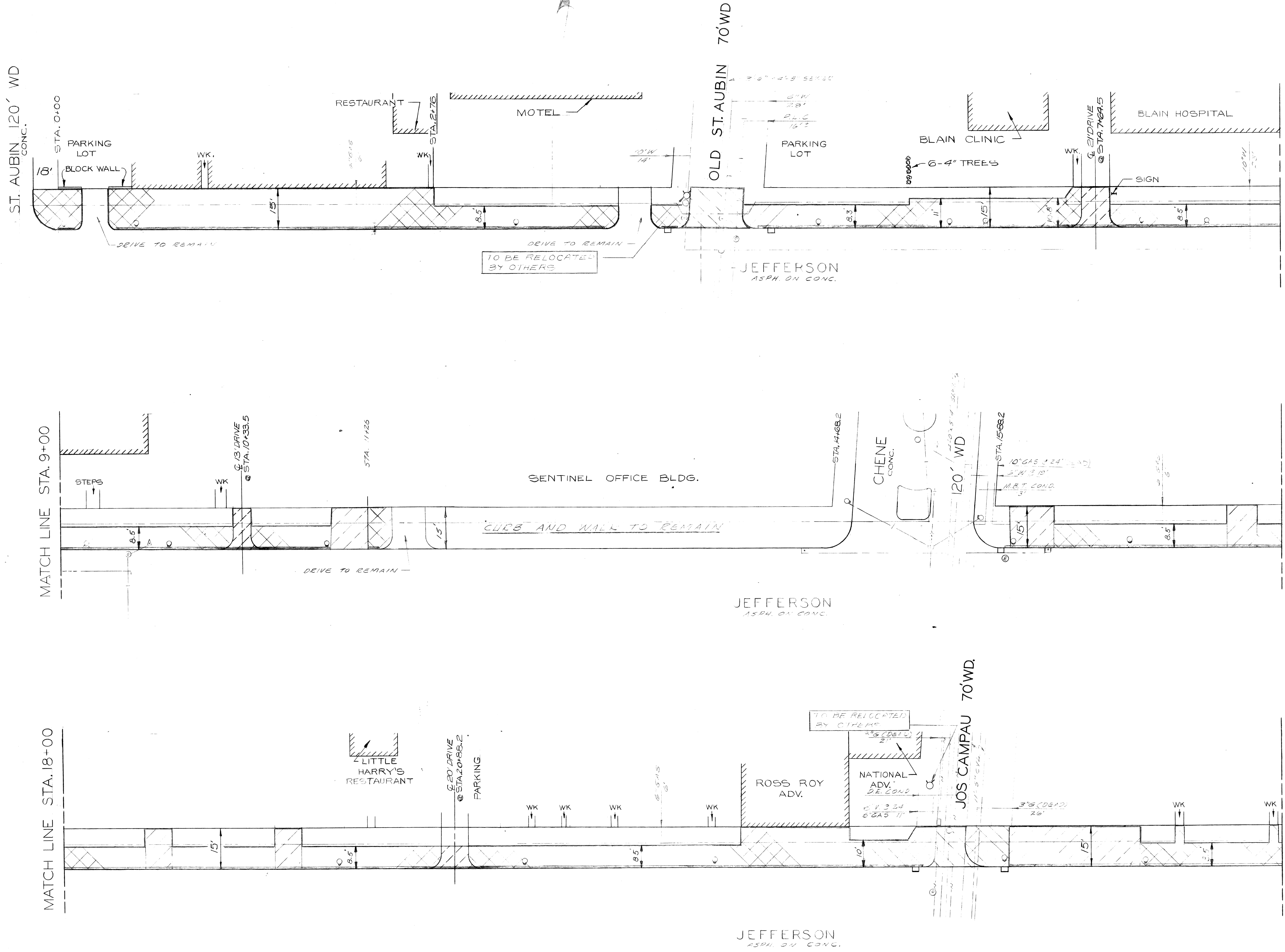
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
FOR
COMMUNITY DEVELOPMENT COMMISSION

CURB AND WALK REPLACEMENT ON JEFFERSON
FROM STAUBIN TO MT. ELLIOTT
ELMWOOD PARK REHABILITATION PROJECT NO. 2 MICH. R-62
QUANTITIES AND TYPICAL SECTIONS

SHEET 2 OF 8 SHEETS
CONTRACT No. PW 6523
ASSIGNMENT NO. 2004
DATE 12-21-72

A
B
C
D
E
F
G

Y
B
C
D
E
F
G



REMOVAL LEGEND

- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL
- STREET PAVEMENT REMOVAL
- CURB BLIND
- 9" L.E. LIGHT POLE
- FIRE DEPT. STD. HYDRANT
- ABANDON LATCH BASIN
- PARKING METERS

NOTES

1. BEFORE STARTING CONSTRUCTION THE CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.
2. FOR UTILITY LEGEND SEE STANDARD DRAWING "S-902A".

NO.	DESCRIPTION	DATE

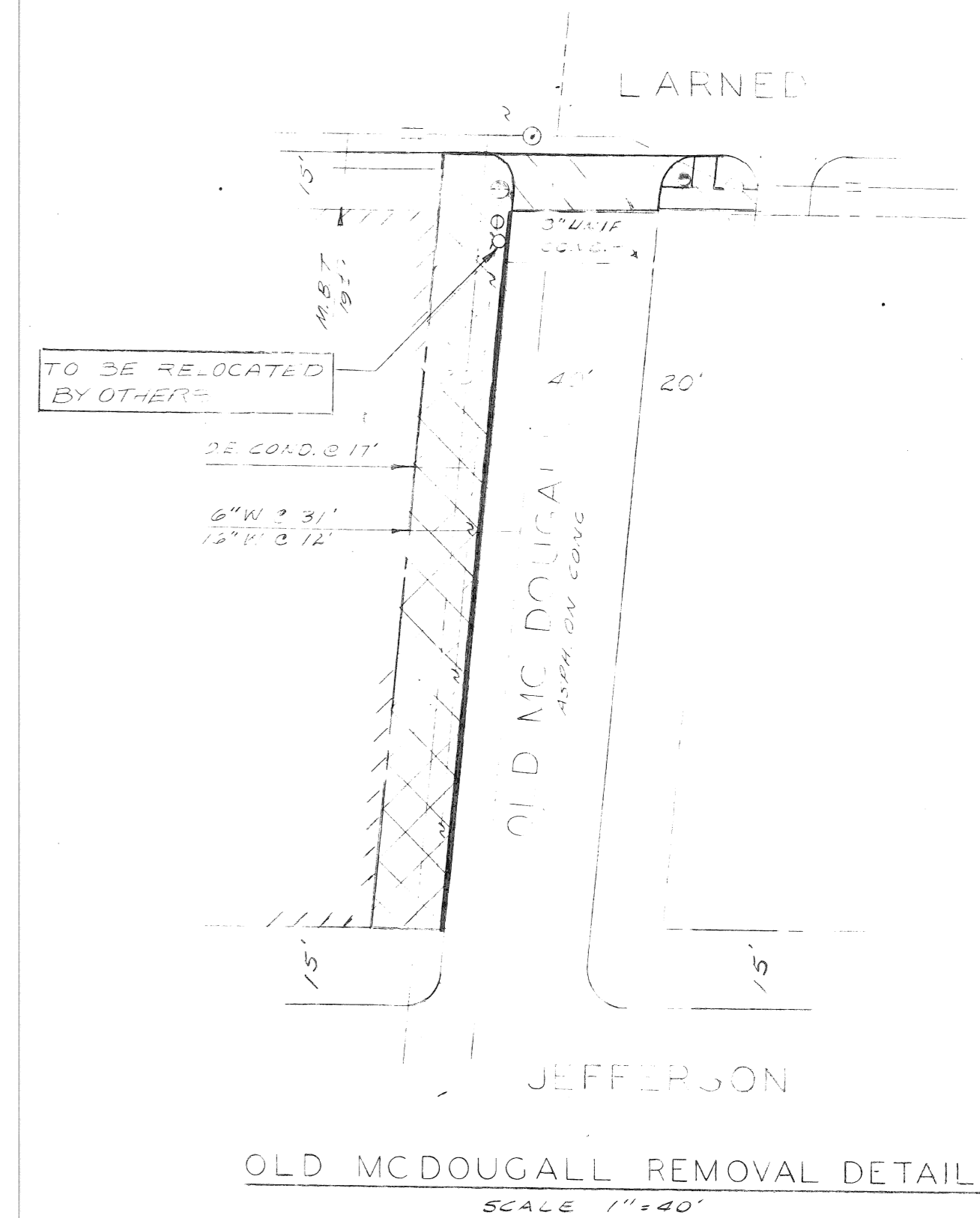
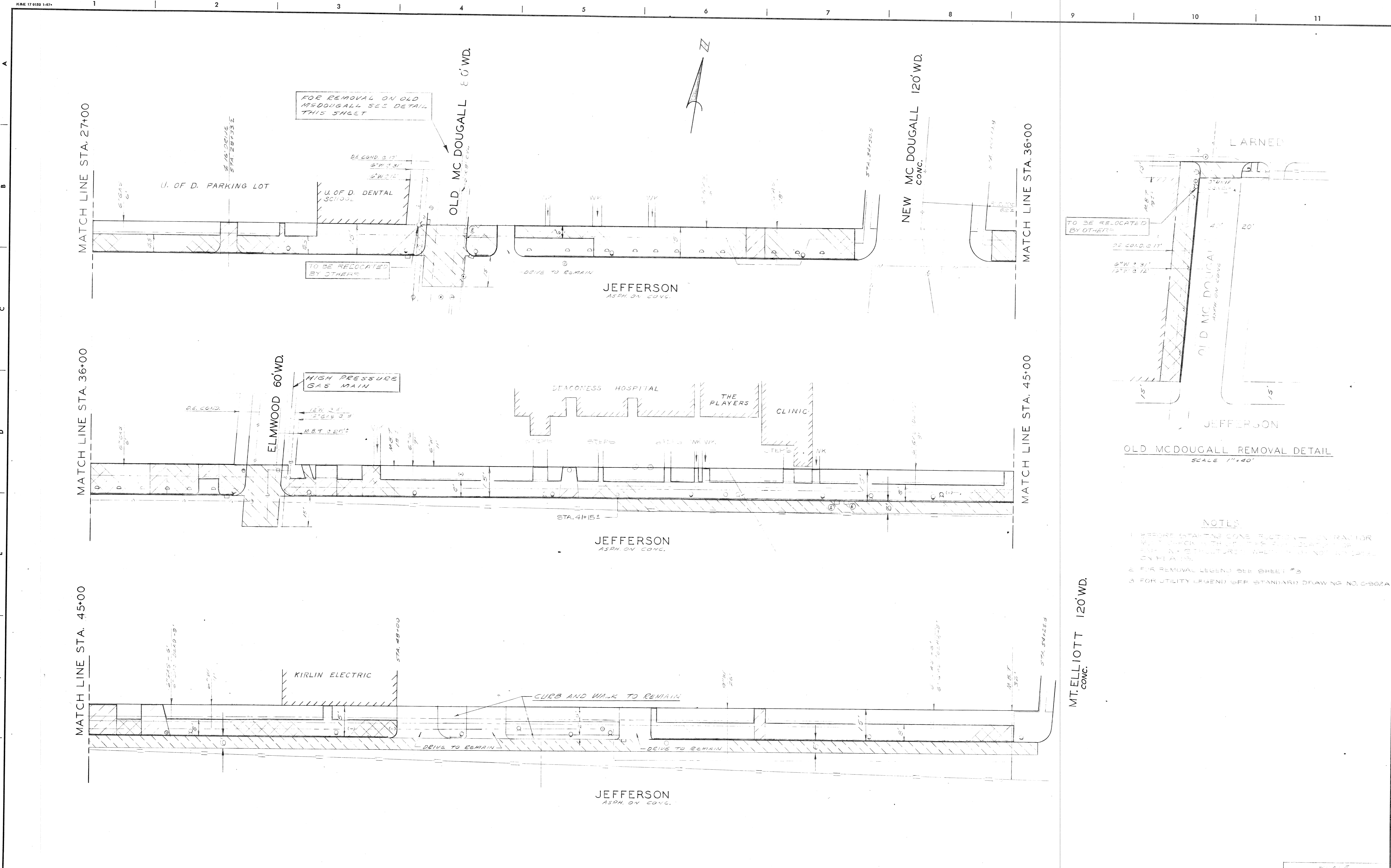
DESIGNED BY	TALCEI
DRAWN BY	W.C.!!
CHECKED BY	W.C.!!

APPROVED:	<i>J. Erickson</i>
	<i>Allen E. Brown</i>

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 FOR
 COMMUNITY DEVELOPMENT COMMISSION

CURB AND WALK REPLACEMENT ON JEFFERSON
 FROM ST. AUBIN TO MT. ELLIOTT
 ELMWOOD PARK REHABILITATION PROJECT NO 2 MICH. R-62
 REMOVAL AND UTILITY PLAN

SCALE	N-S 1"=20'
	E-W 1"=40'
SHEET	3 OF 8 SHEETS
CONTRACT NO.	PW 6523
ASSIGNMENT NO.	2004
DATE	12-21-72

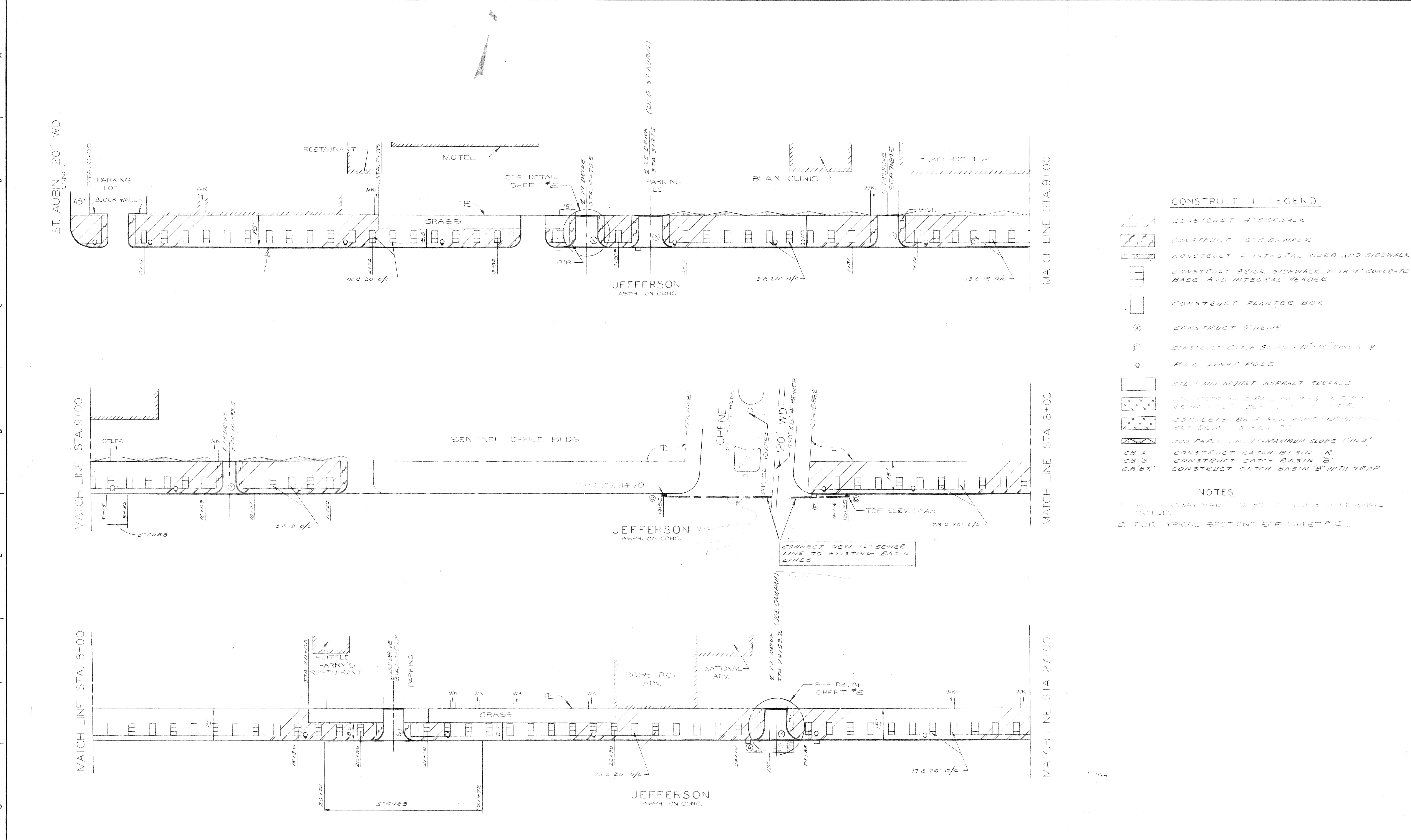


OLD MCDUGALL REMOVAL DETAIL
SCALE 1"=40'

- NOTES:
1. BEFORE STARTING CONSTRUCTION, CONTRACTOR MUST CHECK WITH UTILITY DEPARTMENT FOR ALL UTILITIES AND STRUCTURES WHICH MAY NOT BE SHOWN ON PLANS.
 2. FOR REMOVAL LEGEND SEE SHEET # 5.
 3. FOR UTILITY LEGEND SEE STANDARD DRAWING NO. C-902A.

MT. ELLIOTT 120' WD.
CONC.

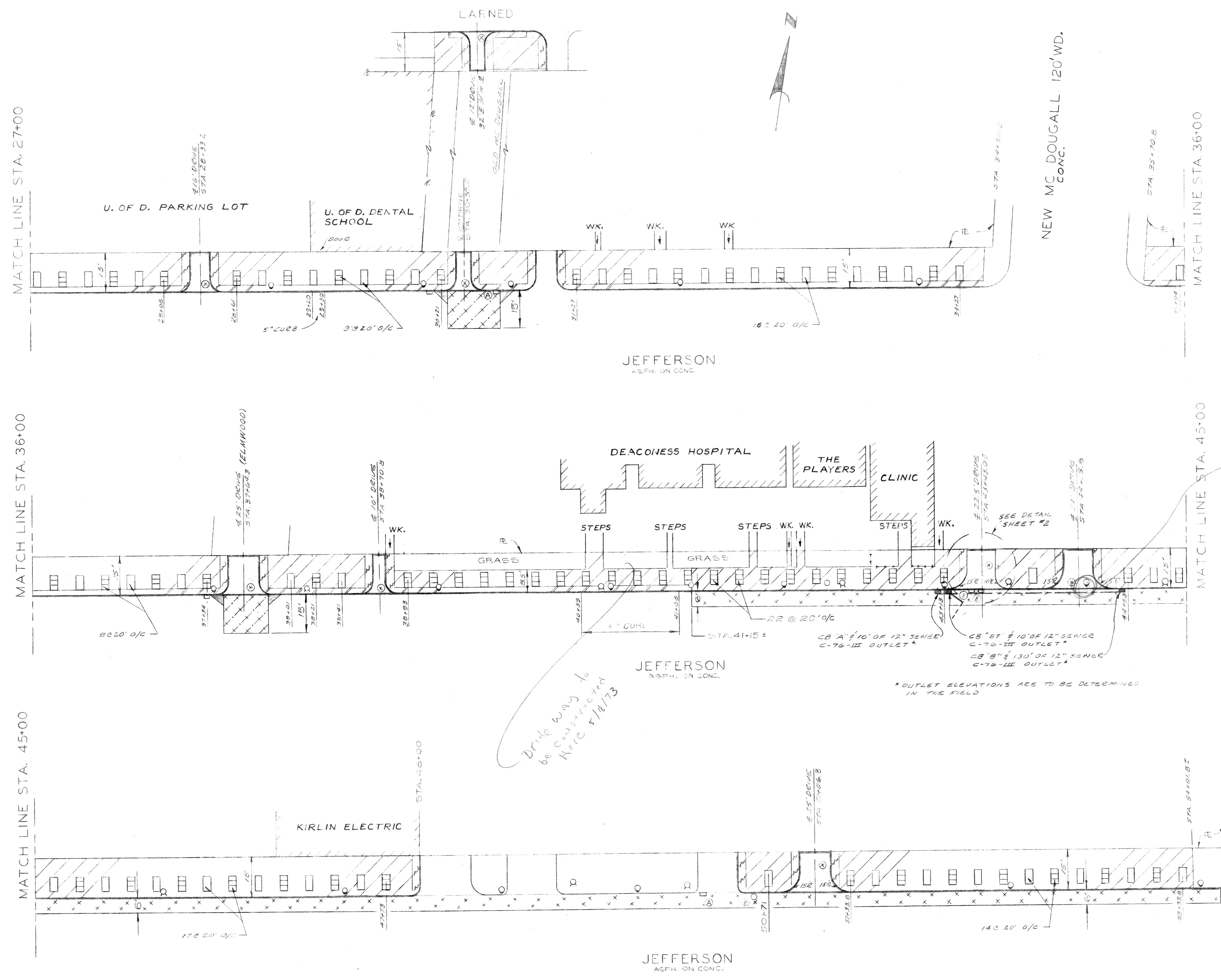
REVISIONS LOCATED BY COORDINATES ON SHEET		REFERENCE DRAWINGS	DESIGNED BY <i>TALLEY</i>	APPROVED: <i>J. Erickson</i> ENGINEER OF STREETS	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION	CURB AND WALK REPLACEMENT ON JEFFERSON FROM ST. AUBIN TO MT. ELLIOTT ELMWOOD PARK REHABILITATION PROJECT NO. 2 MIC. 1-52	SHEET 4 OF 8 SHEETS	
			DRAWN BY <i>S. C. U.</i>	<i>W. E. Rogers</i> ENGINEER OF EXPRESSWAYS			CONTRACT No. PW 6023	ASSIGNMENT No. 2004
			TRACED BY					DATE 12-21-72
			CHECKED BY <i>W. L. T. McKinnis</i>					



- CONSTRUCTION LEGEND**
- CONSTRUCT 4" SIDEWALK
 - CONSTRUCT 6" SIDEWALK
 - CONSTRUCT 2" INTEGRAL CURB AND SIDEWALK
 - CONSTRUCT BRICK SIDEWALK WITH 4" CONCRETE BASE AND INTEGRAL HEADER
 - CONSTRUCT PLANTER BOX
 - CONSTRUCT 5" DRIVE
 - CONSTRUCT CATCH BASIN - 12" X 18" SPECIALTY
 - RLC LIGHT POLE
 - STEEP AND ADJUST ASPHALT SURFACE
 - CONCRETE BASE PAVEMENT - 3" X 6" REIN. BENT UP 1/4" OVER 12" X 18" CB
 - CONCRETE BASE PAVEMENT - 10" X 11" FROM SEE DETAIL SHEET #2
 - SOD REPLACEMENT - MAXIMUM SLOPE 1" IN 3'
 - CB 'A' CONSTRUCT CATCH BASIN 'A'
 - CB 'B' CONSTRUCT CATCH BASIN 'B'
 - CB 'B.T.' CONSTRUCT CATCH BASIN 'B' WITH TRAP

- NOTES**
1. ALL CARRIAGE PAVES TO BE 12" UNLESS OTHERWISE NOTED.
 2. FOR TYPICAL SECTIONS SEE SHEET #2.

<p>CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION</p>		<p>CONSTRUCTION PLAN</p>
<p>DESIGNED BY: <i>TALLEY</i></p> <p>DRAWN BY: <i>D. Co U</i></p> <p>TRACED BY:</p> <p>CHECKED BY: <i>W.L.T. M. K...</i></p>	<p>APPROVED: <i>J. Brichson</i> ENGINEER OF STREETS</p> <p><i>Allen V. P...</i> ENGINEER OF EXPRESSWAYS</p>	<p>CONTRACT No. PW 6523</p> <p>ASSIGNMENT NO. 2004</p> <p>DATE 12-21-72</p>
<p>SCALE H.S. 1"=20' L.W. 1"=40'</p>		



Pole Yarnosed

Driveway to be constructed here 5/18/73

- NOTES**
1. ALL DRIVEWAYS SHALL BE BUILT UNLESS OTHERWISE NOTED.
 2. FOR TYPICAL SECTIONS SEE SHEET # 1.
 3. FOR CONSTRUCTION LEGEND SEE SHEET # 6.

18

38

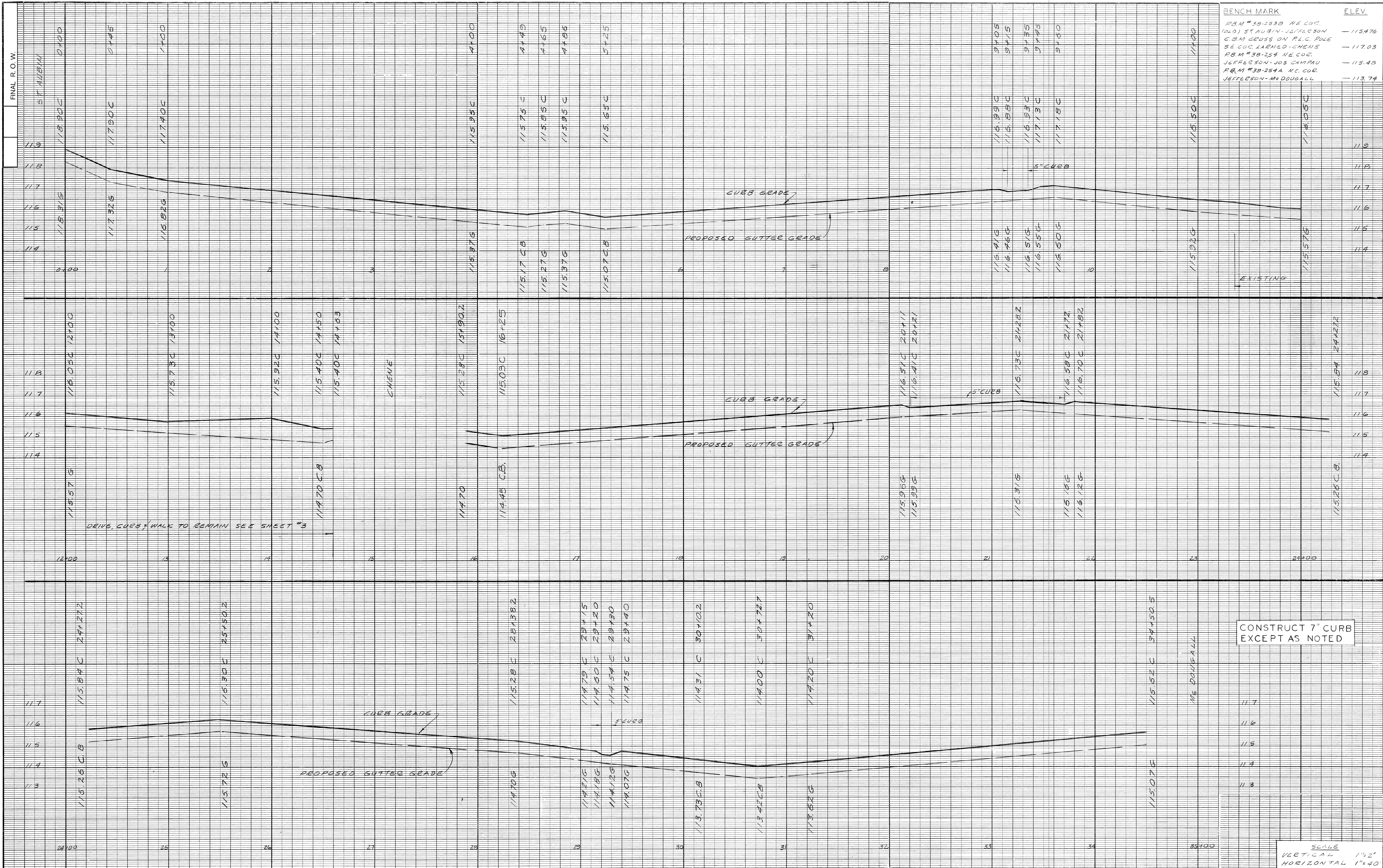
DESIGNED BY	TALLEY
DRAWN BY	D. O. U.
TRACED BY	
CHECKED BY	W. L. T. M. HAWKINS

APPROVED:	<i>J. Erickson</i> ENGINEER OF STREETS
	<i>Allen E. Rogan</i> ENGINEER OF EXPRESSWAYS

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 FOR
 COMMUNITY DEVELOPMENT COMMISSION

CURB AND WALK REPLACEMENT ON JEFFERSON
 FROM ST. AUBIN TO MT. ELLIOTT
 ELMWOOD PARK REHABILITATION PROJECT NO. 2 MICH. R-62
 CONSTRUCTION PLAN

SCALE	1"=20' 1"=40'
SHEET	6 OF 8 SHEETS
CONTRACT NO.	PW 6523
ASSIGNMENT NO.	2004
DATE	12-21-72



DESIGNED BY: *TALLEY*
 DRAWN BY: *TALLEY*
 TRACED BY:
 CHECKED BY: *W.B.M. [Signature]*

APPROVED: *J. Erickson*
 ENGINEER OF STREETS
Allen & Pappas
 ENGINEER OF EXPRESSWAYS

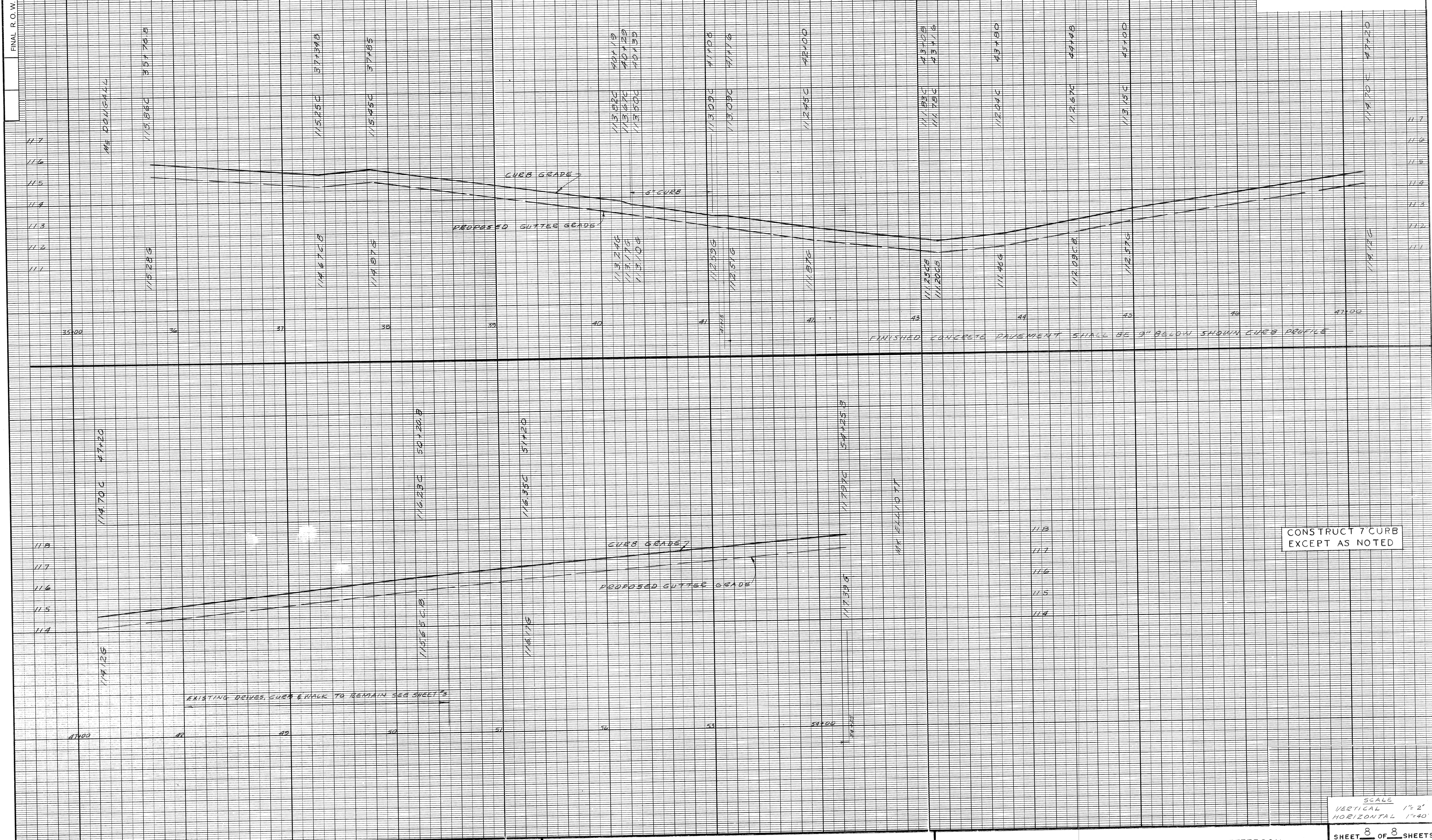
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 FOR
 COMMUNITY DEVELOPMENT COMMISSION

CURB AND WALK REPLACEMENT ON JEFFERSON
 FROM ST. AUBIN TO MT. ELLIOTT
 ELMWOOD PARK REHABILITATION PROJECT NO. 2 MICH. R-62
 GRADE PROFILES

SCALE
 VERTICAL 1"=2'
 HORIZONTAL 1"=40'

SHEET 7 OF 8 SHEETS
 CONTRACT NO. PW 6523
 ASSIGNMENT NO. 2004
 DATE 12-21-78

BENCH MARK	ELEV.
C.B.M. #110, N.E. COR.	113.03
JEFFERSON - ELMWOOD	113.13
C.B.M. #110, N.E. COR.	113.13
LIEB - JEFFERSON	113.13
P.B.M. 46-250, N.E. COR.	113.13
MT ELLIOTT - JEFFERSON	113.13



CONSTRUCT 7" CURB
EXCEPT AS NOTED

EXISTING DRIVE, CURB & WALK TO REMAIN SEE SHEET 7

SCALE
VERTICAL 1"=2'
HORIZONTAL 1"=40'

DESIGNED BY *TALLEY*
DRAWN BY *TALLEY*
TRACED BY
CHECKED BY *W. E. Logan*

APPROVED: *J. Erickson*
ENGINEER OF STREETS
W. E. Logan
ENGINEER OF EXPRESSWAYS

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
FOR
COMMUNITY DEVELOPMENT COMMISSION

CURB AND WALK REPLACEMENT ON JEFFERSON
FROM ST. AUBIN TO MT. ELLIOTT
ELMWOOD PARK REHABILITATION PROJECT NO. 2 MICH. R-62
GRADE PROFILES

SHEET 8 OF 8 SHEETS
CONTRACT NO. PW 6523
ASSIGNMENT NO. 2004
DATE 12-21-72

SITE IMPROVEMENTS

JEFFERSON-CHALMERS NDP, MICH. A-4-1

1973

GROUP JC-1

CONTRACTS PW-

6524

6525

6526

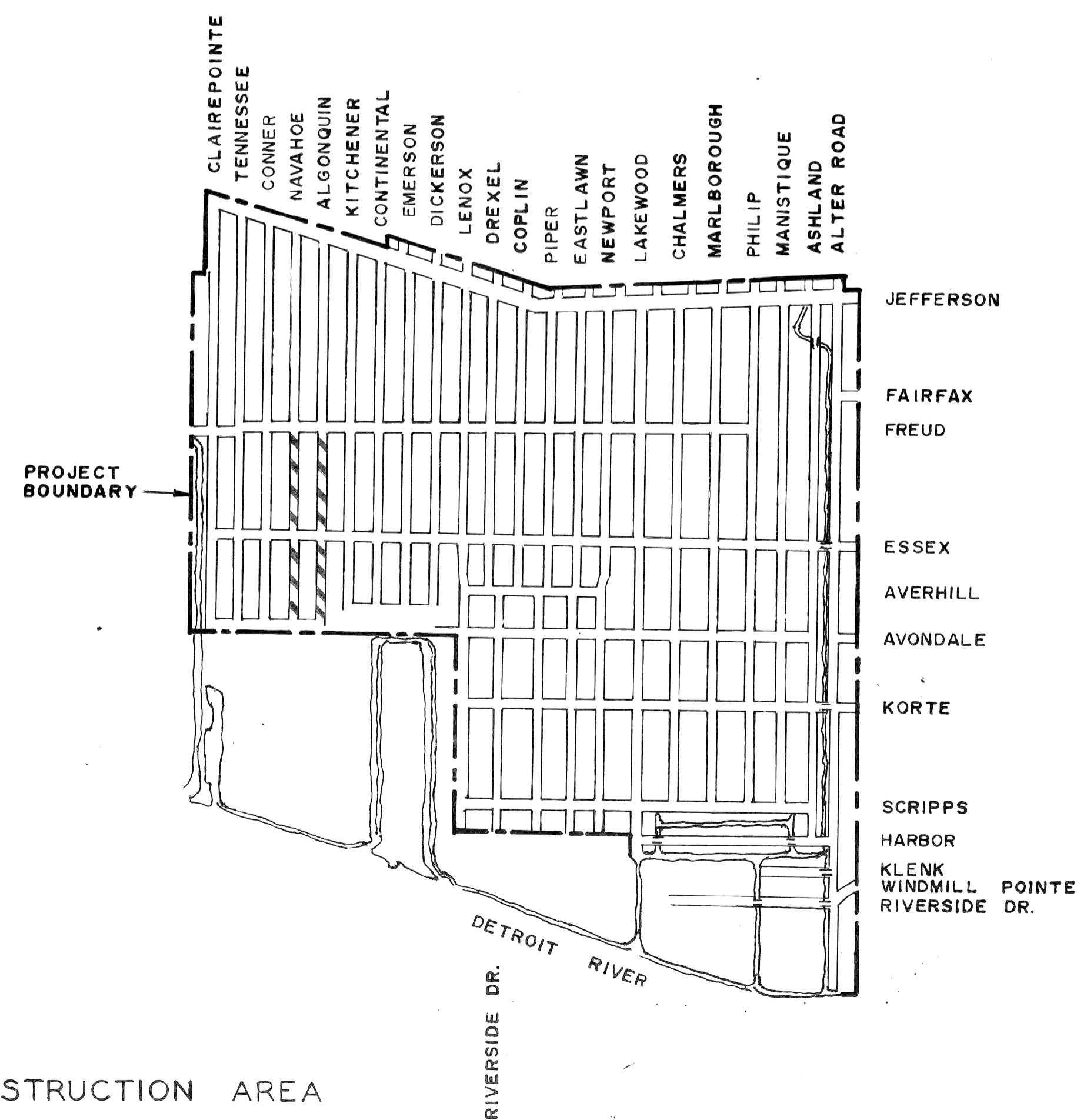
DEPARTMENT OF PUBLIC WORKS-CITY OF DETROIT

FOR

COMMUNITY DEVELOPMENT COMMISSION

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE

PLANS FOR PROPOSED
WALK REPLACEMENT
ON
NAVAHOE FROM AVONDALE TO FREUD
ALGONQUIN FROM AVONDALE TO FREUD
JEFFERSON-CHALMERS NDP, MICH. A-4-1
FOR
COMMUNITY DEVELOPMENT COMMISSION



 CONSTRUCTION AREA

INDEX OF SHEETS

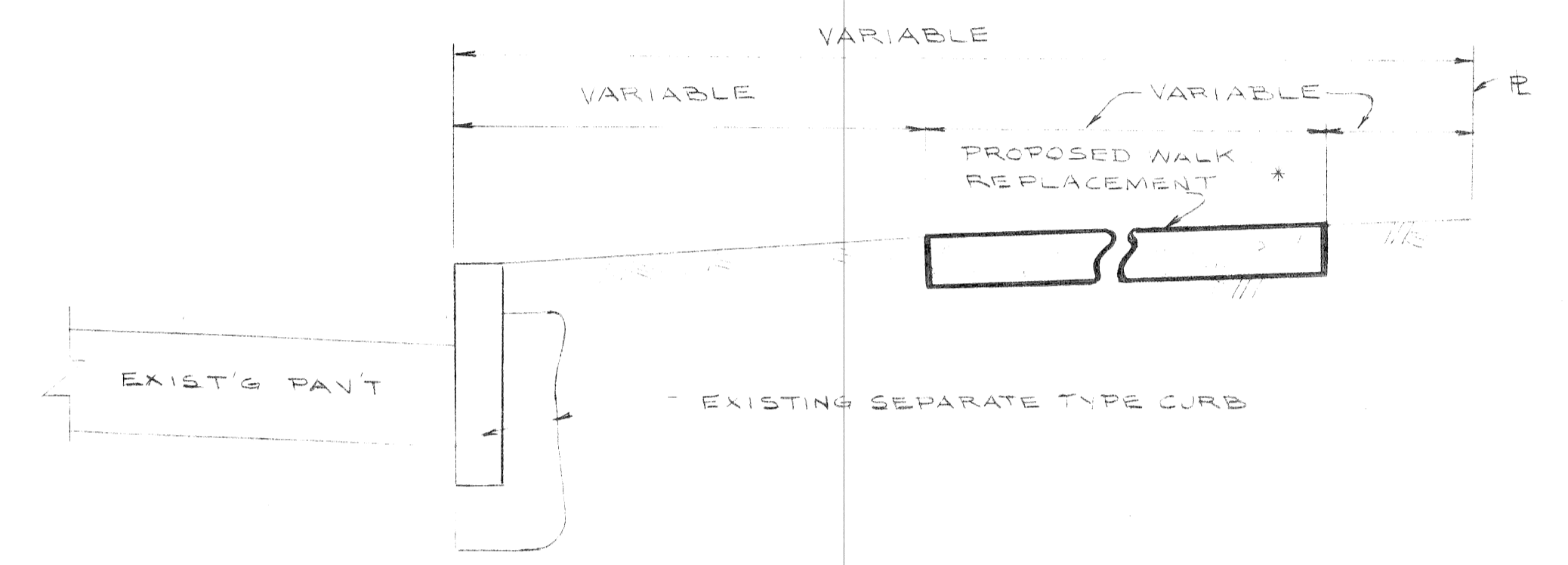
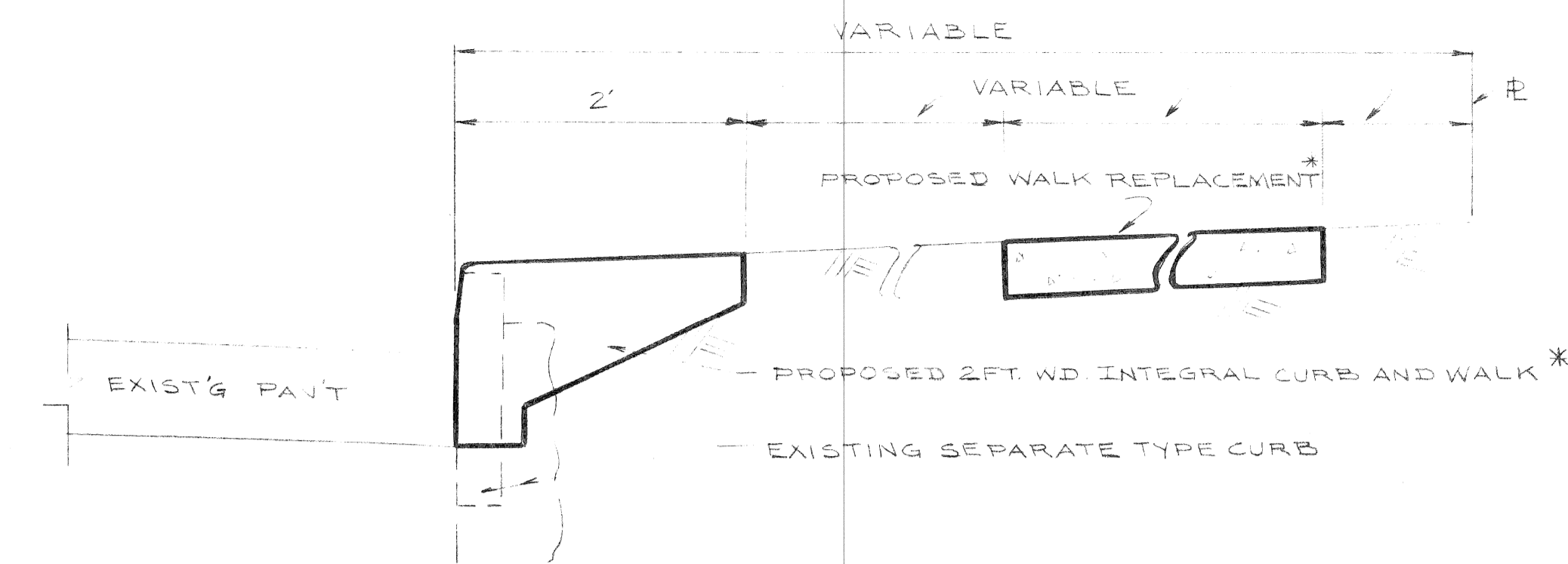
1. TITLE SHEET
2. DETAILS, QUANTITIES
3. PLAN

PROJECT: WALK REPLACEMENT NAVAHOE FROM AVONDALE TO FREUD ALGONQUIN FROM AVONDALE TO FREUD JEFFERSON-CHALMERS NDP, MICH. A-4-1	CONTRACT NO. PW 6524 1973 GROUP JC-1
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PLANS PREPARED BY
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE

RECOMMENDED FOR APPROVAL	ENGINEER OF INSPECTION	DATE
RECOMMENDED FOR APPROVAL	<i>Walter C. Pogue</i> HIGHWAY ENGINEER	DATE
APPROVED	ASSOCIATE CITY ENGINEER	DATE
APPROVED	CITY ENGINEER	DATE

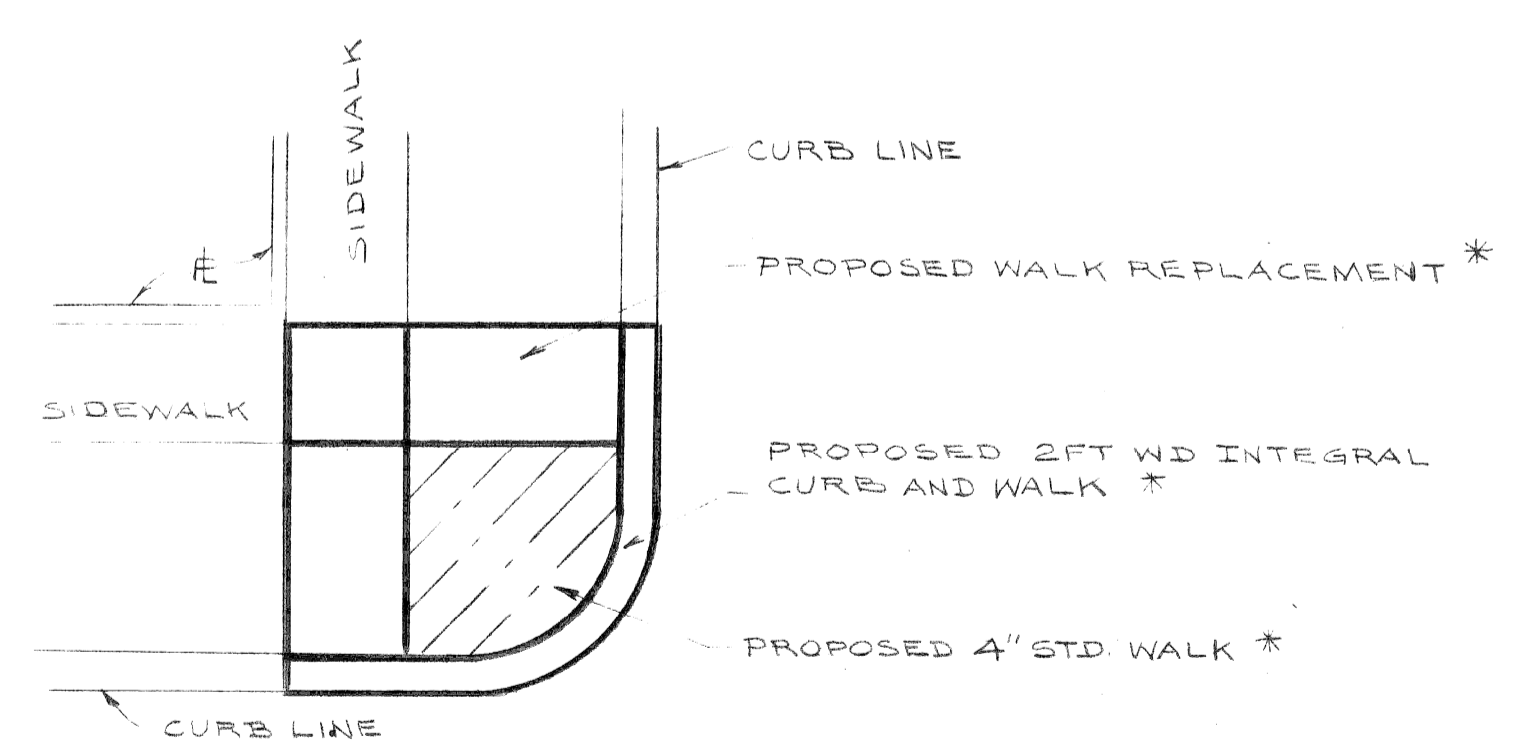
DESCRIPTION OF ITEM	UNIT	QUANTITIES		
		NAVAHOE AVONDALE TO FREUD	ALGONQUIN AVONDALE TO FREUD	TOTAL
INTEGRAL CURB AND SIDEWALK REPLACEMENT	2FT. WD LFT	40	40	80
SIDEWALK REPLACEMENT	4" SFT	1,286	13,967	26,928
	6" SFT	3,264	2,928	6,192
DRIVEWAY REMOVAL	SFT	2,720	4,664	7,384
DRIVEWAY 6"	SFT	2,720	4,664	7,384
STUMP REMOVAL	EACH	1	1	2
MAINTAINING TRAFFIC	LUMP SUM			LUMP SUM
JOINT SAWING	LFT	20	20	40
SIDEWALK - 4" STANDARD	SFT	36	36	72



TYPICAL CURB AND WALK SECTIONS

* SEE NOTE #1

NO SCALE



TYPICAL INTERSECTION

NO SCALE

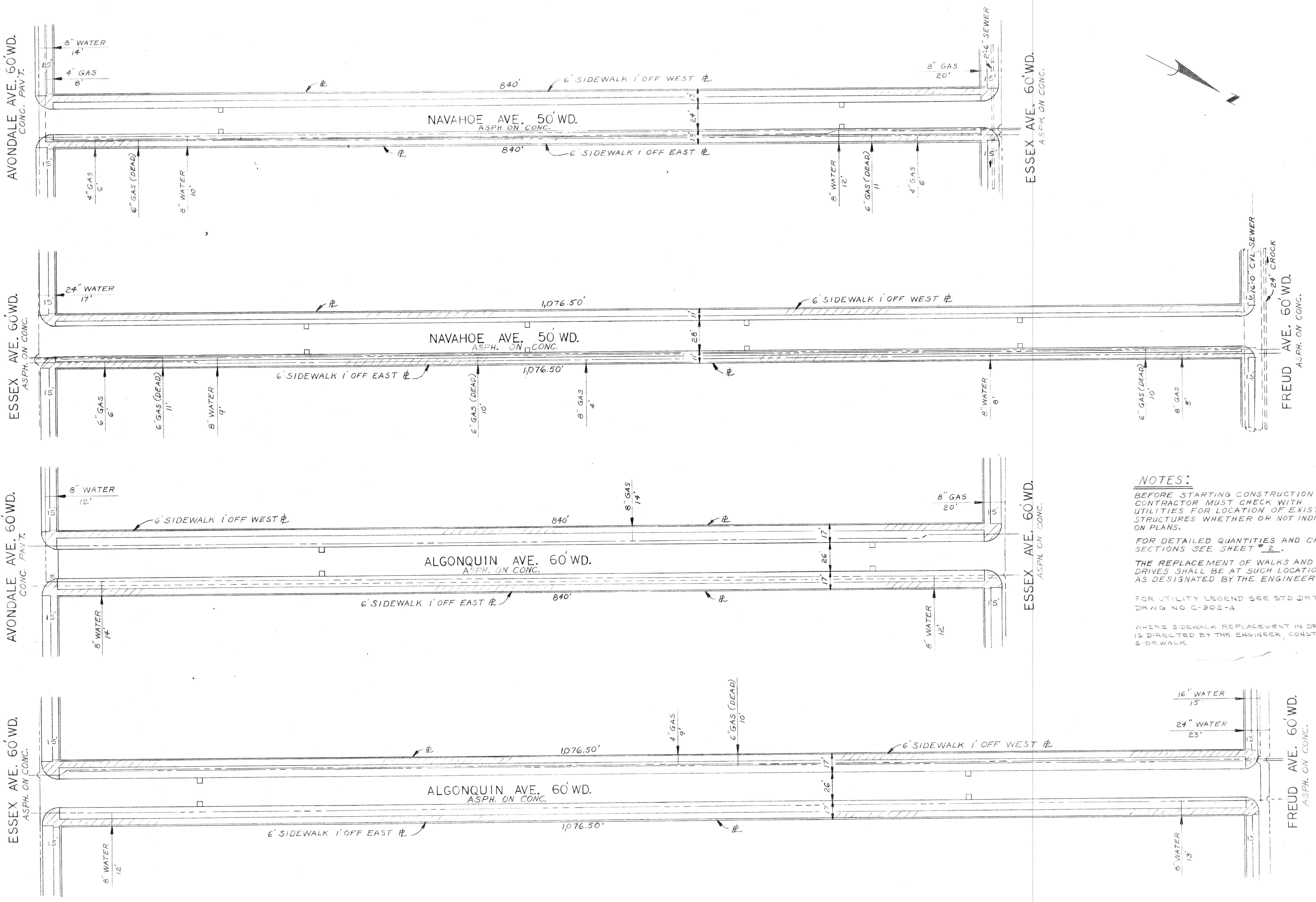
NOTES

- 1- LOCATION OF PROPOSED NEW CONSTRUCTION OR REPLACEMENT INDICATED ON THE TYPICAL SECTIONS SHALL BE AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 2- WHERE INTEGRAL TYPE CURB AND WALK ARE CALLED FOR, SEE STD DET DRWG NO C-4550.
- 3- COST FOR REMOVAL OF EXISTING CURB, BACKING WILL NOT BE PAID FOR SEPARATELY BUT WILL BE PAID FOR AS PART OF THE ITEM IN THE PROPOSAL FOR INTEGRAL CURB AND WALK REPLACEMENT.

1973 - GROUP JC - I

DESIGNED BY		APPROVED: <i>[Signature]</i>		<p align="center">CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION</p>	<p align="center">WALK REPLACEMENT NAVAHOE FROM AVONDALE TO FREUD ALGONQUIN FROM AVONDALE TO FREUD JEFFERSON-CHALMERS NDP, MICH. A-4-1 DETAILS AND QUANTITIES</p>	SHEET 2 OF 3 SHEETS
DRAWN BY BRANTIGAN		ENGINEER OF STREETS				CONTRACT No. PW 6524
TRACED BY		ENGINEER OF EXPRESSWAYS				ASSIGN NO. AO 2131
CHECKED BY G.E.B. N.J.K.						DATE JANUARY 8, 1973

REVISIONS LOCATED BY COORDINATES ON SHEET



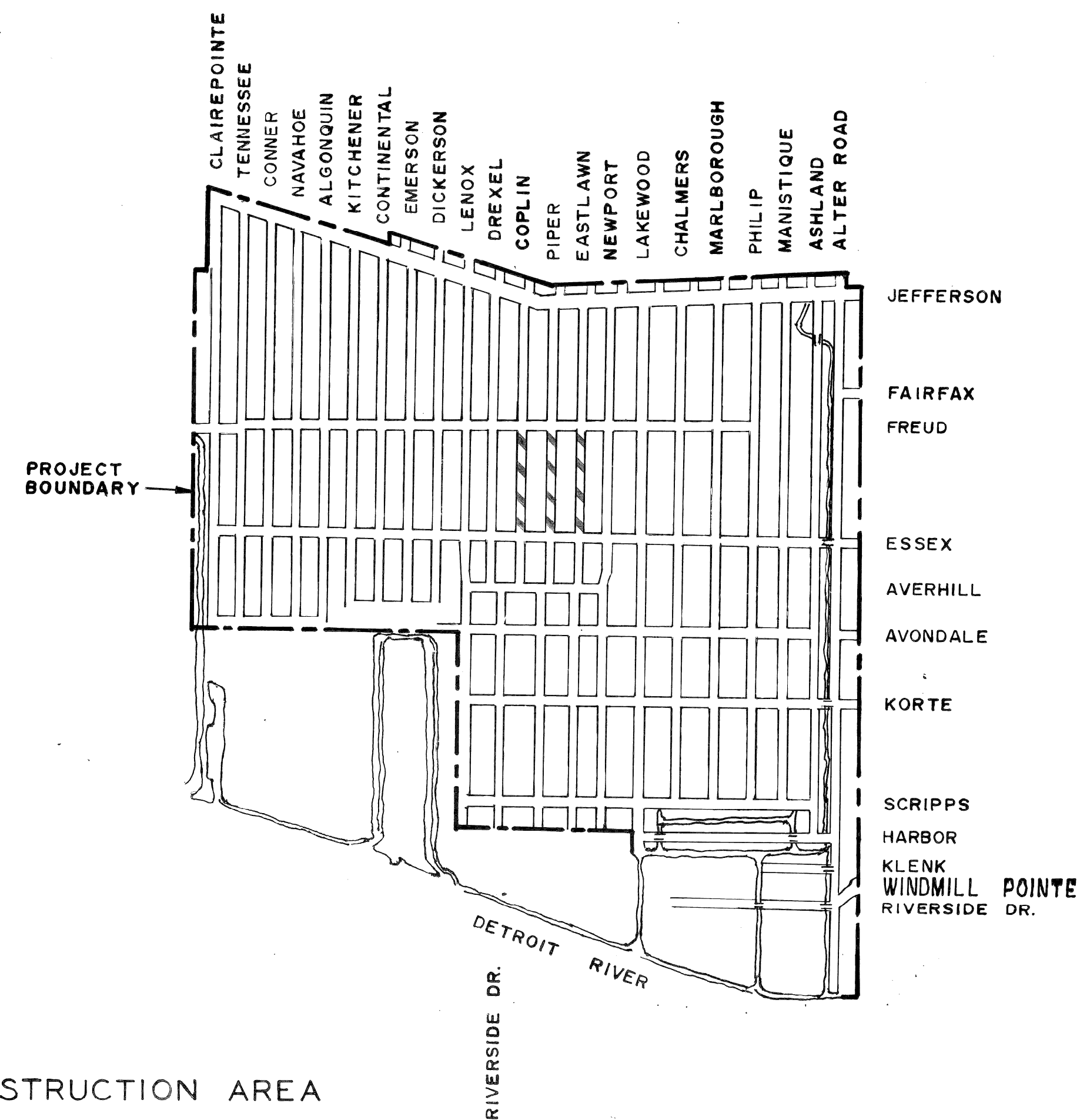
NOTES:
 BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATION OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.
 FOR DETAILED QUANTITIES AND CROSS-SECTIONS SEE SHEET # 2.
 THE REPLACEMENT OF WALKS AND DRIVES SHALL BE AT SUCH LOCATIONS AS DESIGNATED BY THE ENGINEER.
 FOR UTILITY LEGEND SEE STD DETAIL DRWG NO C-302-A
 WHERE SIDEWALK REPLACEMENT IN DRIVEWAY AREA IS DIRECTED BY THE ENGINEER, CONSTRUCT 6-INCH SIDEWALK

SCALE: 1" = 40'
 1973 - GROUP JC-1

COORD. DESCRIPTION REVISIONS LOCATED BY COORDINATES ON SHEET		DESIGNED BY DRAWN BY <i>R. Rusik</i> TRACED BY CHECKED BY <i>G.E.P. J.N.K.</i>	APPROVED: <i>[Signature]</i> ENGINEER OF STREETS <i>[Signature]</i> ENGINEER OF EXPRESSWAYS	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION	WALK REPLACEMENT NAVAHOE FROM AVONDALE TO FREUD ALGONQUIN FROM AVONDALE TO FREUD JEFFERSON - CHALMERS NDP, MICH. A-4-1	SHEET 3 OF 3 SHEETS CONTRACT NO. PW 6524 ASSGN. NO. AO 2131 DATE JANUARY 8, 1973
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CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE

PLANS FOR PROPOSED
WALK REPLACEMENT
ON
COPLIN FROM ESSEX TO FREUD
PIPER FROM ESSEX TO FREUD
EASTLAWN FROM ESSEX TO FREUD
JEFFERSON - CHALMERS NDP, MICH. A-4-1
FOR
COMMUNITY DEVELOPMENT COMMISSION



INDEX OF SHEETS

1. TITLE SHEET
2. DETAILS, QUANTITIES
3. PLAN

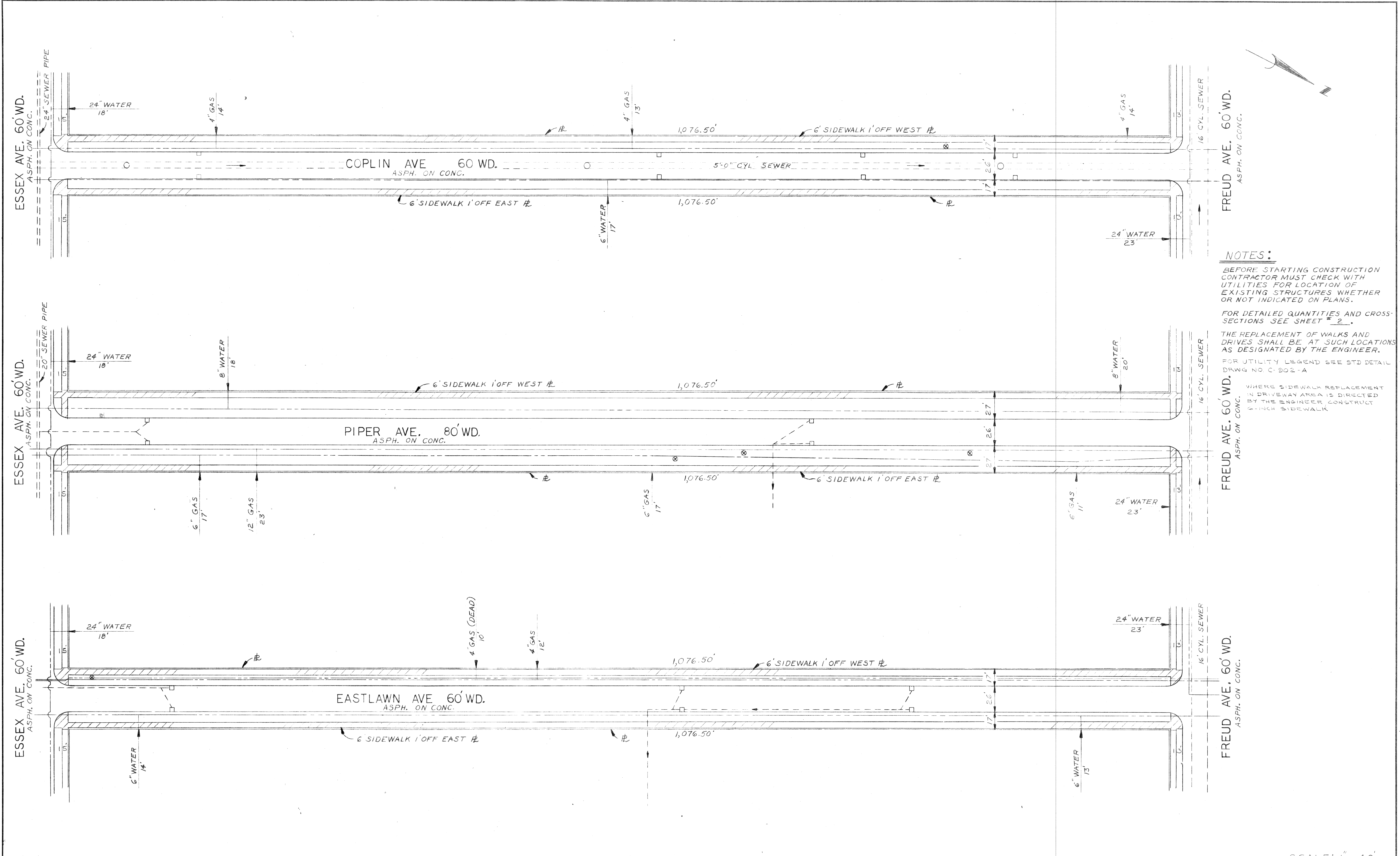
PROJECT: WALK REPLACEMENT COPLIN FROM ESSEX TO FREUD PIPER FROM ESSEX TO FREUD EASTLAWN FROM ESSEX TO FREUD JEFFERSON - CHALMERS NDP, MICH. A-4-1	CONTRACT NO. PW 6525 1973 GROUP JC-1
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PLANS PREPARED BY
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE

RECOMMENDED FOR APPROVAL	ENGINEER OF INSPECTION	DATE
RECOMMENDED FOR APPROVAL	<i>Allen E. Piager</i> HIGHWAY ENGINEER	DATE
APPROVED	ASSOCIATE CITY ENGINEER	DATE
APPROVED	CITY ENGINEER	DATE

DATE JANUARY 8, 1973

DRWG. NO. 1 OF 3



NOTES:
 BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATION OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.
 FOR DETAILED QUANTITIES AND CROSS-SECTIONS SEE SHEET # 2.
 THE REPLACEMENT OF WALKS AND DRIVES SHALL BE AT SUCH LOCATIONS AS DESIGNATED BY THE ENGINEER.
 FOR UTILITY LEGEND SEE STD DETAIL DRAWG NO C-902-A
 WHERE SIDEWALK REPLACEMENT IN DRIVEWAY AREA IS DIRECTED BY THE ENGINEER CONSTRUCT 6-INCH SIDEWALK

NO.	DESCRIPTION	DRN	CHK	APVD	DATE

REVISIONS LOCATED BY COORDINATES ON SHEET

DESIGNED BY	R. Rosik
DRAWN BY	R. Rosik
TRACED BY	
CHECKED BY	G.C.B. N.J.K.

APPROVED:	<i>J. Erickson</i>
ENGINEER OF STREETS	
ENGINEER OF EXPRESSWAYS	

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 FOR
COMMUNITY DEVELOPMENT COMMISSION

WALK REPLACEMENT
 COPLIN FROM ESSEX TO FREUD
 PIPER FROM ESSEX TO FREUD
 EASTLAWN FROM ESSEX TO FREUD
 JEFFERSON - CHALMERS NDP, MICH. A-4-1
PLAN

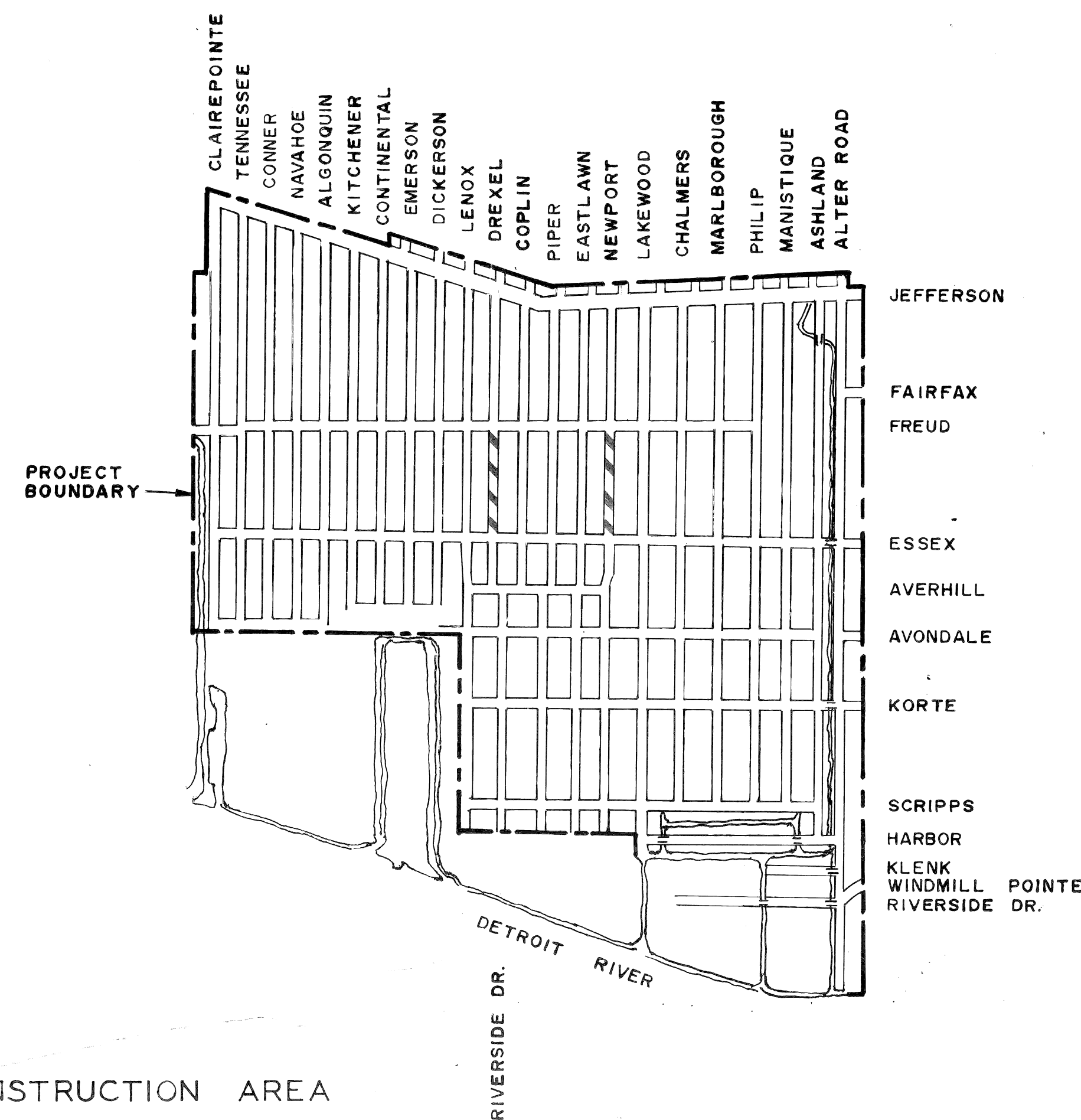
SCALE: 1" = 40'
1973 GROUP JC-1
SHEET 3 OF 3 SHEETS
CONTRACT No. PW 6525
ASSIGN NO. AO 2131
DATE JANUARY 8, 1973

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE

PLANS FOR PROPOSED
CURB AND WALK REPLACEMENT AND RESURFACING
ON

DREXEL FROM ESSEX TO FREUD
NEWPORT FROM ESSEX TO FREUD
JEFFERSON - CHALMERS NDP, MICH. A-4-1

FOR
COMMUNITY DEVELOPMENT COMMISSION



INDEX OF SHEETS

1. TITLE SHEET
2. DETAILS, QUANTITIES AND LEGEND
3. PLAN

PROJECT: CURB AND WALK REPLACEMENT & RESURFACING DREXEL FROM ESSEX TO FREUD NEWPORT FROM ESSEX TO FREUD JEFFERSON - CHALMERS NDP, MICH. A-4-1	CONTRACT NO. PW 6526 1973 GROUP JC-1
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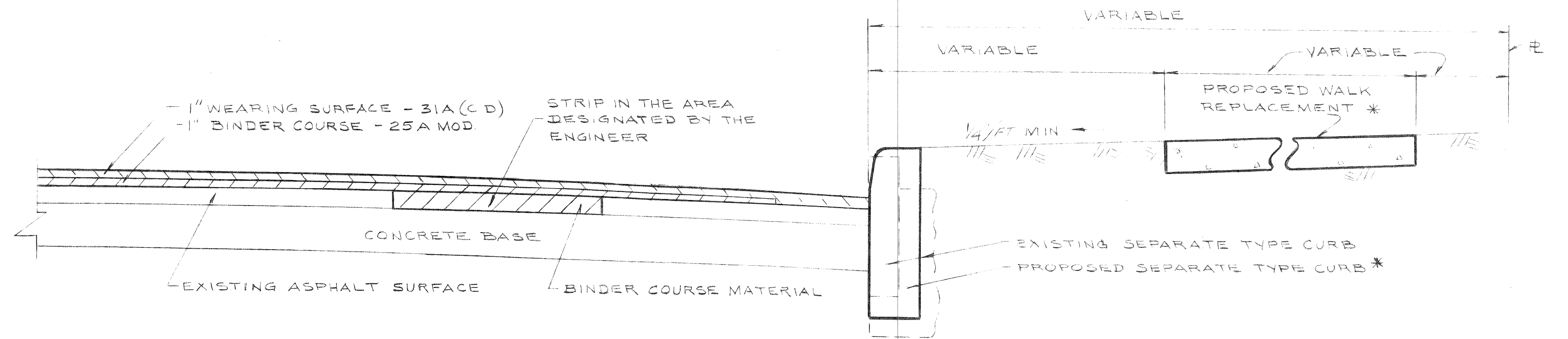
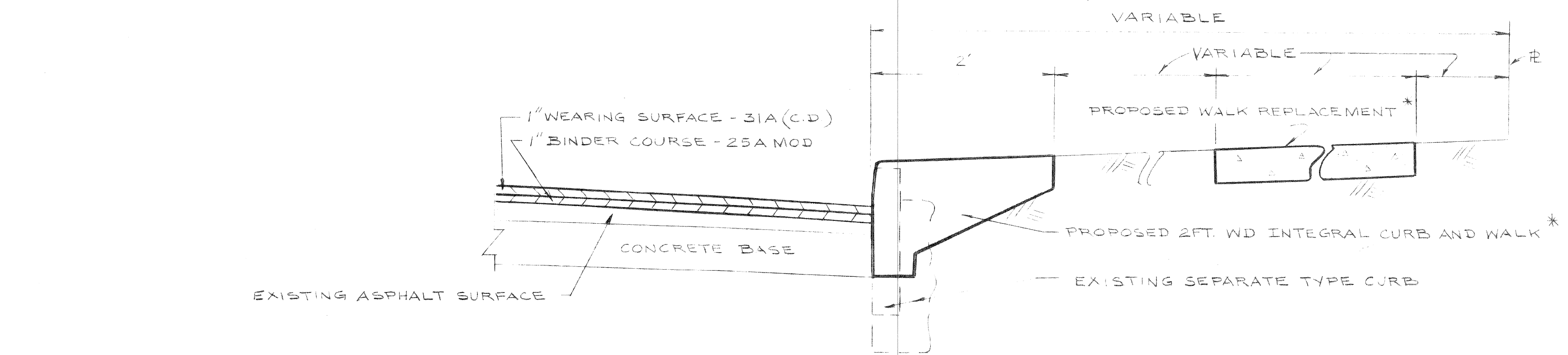
PLANS PREPARED BY
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE

RECOMMENDED FOR APPROVAL	ENGINEER OF INSPECTION	DATE
RECOMMENDED FOR APPROVAL	<i>Allen E. Pogue</i> HIGHWAY ENGINEER	DATE
APPROVED	ASSOCIATE CITY ENGINEER	DATE
APPROVED	CITY ENGINEER	DATE

DATE JANUARY 8, 1973

DRWG. NO. 1 OF 3

DESCRIPTION OF ITEM	UNIT	QUANTITIES		
		DREXEL ESSEX TO FREUD	NEWPORT ESSEX TO FREUD	TOTAL
SEPARATE TYPE CURB REPLACEMENT	LFT	2222	2154	4376
SIDEWALK REPLACEMENT 4"	SFT	7364	11804	19168
SIDEWALK REPLACEMENT 6"	SFT	72	-	72
INTEGRAL CURB AND SIDEWALK REPLACEMENT	2FTWD LFT	80	80	160
JOINT SAWING	LFT	18	-	18
DRIVEWAY REMOVAL	SFT	100	-	100
DRIVEWAY 6" STANDARD	SFT	100	-	100
STUMP REMOVAL	EACH	1	1	2
MAINTAINING TRAFFIC	LUMP SUM	-	-	LUMP SUM
CLEAN AND CONDITION EXISTING SURFACE	SYDS	3183	3100	6283
STRIPPING	SYDS	100	10	110
REMOVE EXISTING CONCRETE BASE	SYDS	10	10	20
REPLACEMENT OF CONC BASE WITH GRADE A CONCRETE	SYDS	10	10	20
RESETTING CATCH BASINS ALL TYPES	EACH	6	6	12
RESETTING MANHOLES	EACH	1	1	2
RESETTING STOP BOXES	EACH	1	1	2
BITUMINOUS BOND COAT IN PLACE	GAL	490	467	957
SHEET ASPHALT WEARING SURFACE MIXTURE IN PLACE	TONS	5	5	10
BERM GRADING	SYDS	30	30	60
COLD PATCH	SYDS	10	10	20
RESURFACING MIXTURE IN PLACE (ALL NATURAL AGGREGATES)				
FINE BINDER COURSE MIXTURE	TONS	198	173	371
WEARING SURFACE MIXTURE - 31A (C.D)	TONS	181	171	352
RESURFACING MIXTURE IN PLACE (ALL SLAG AGGREGATES)				
FINE BINDER COURSE MIXTURE	TONS	182	158	340
WEARING SURFACE MIXTURE - 31A (C.D)	TONS	171	161	332
SEMI-REBUILD CATCH BASINS	EACH	1	1	2
REBUILDING CATCH BASINS	EACH	1	1	2
SIDEWALKS - 4" STANDARD	SFT	36	36	72



TYPICAL RESURFACING, CURB AND WALK SECTIONS

NO SCALE

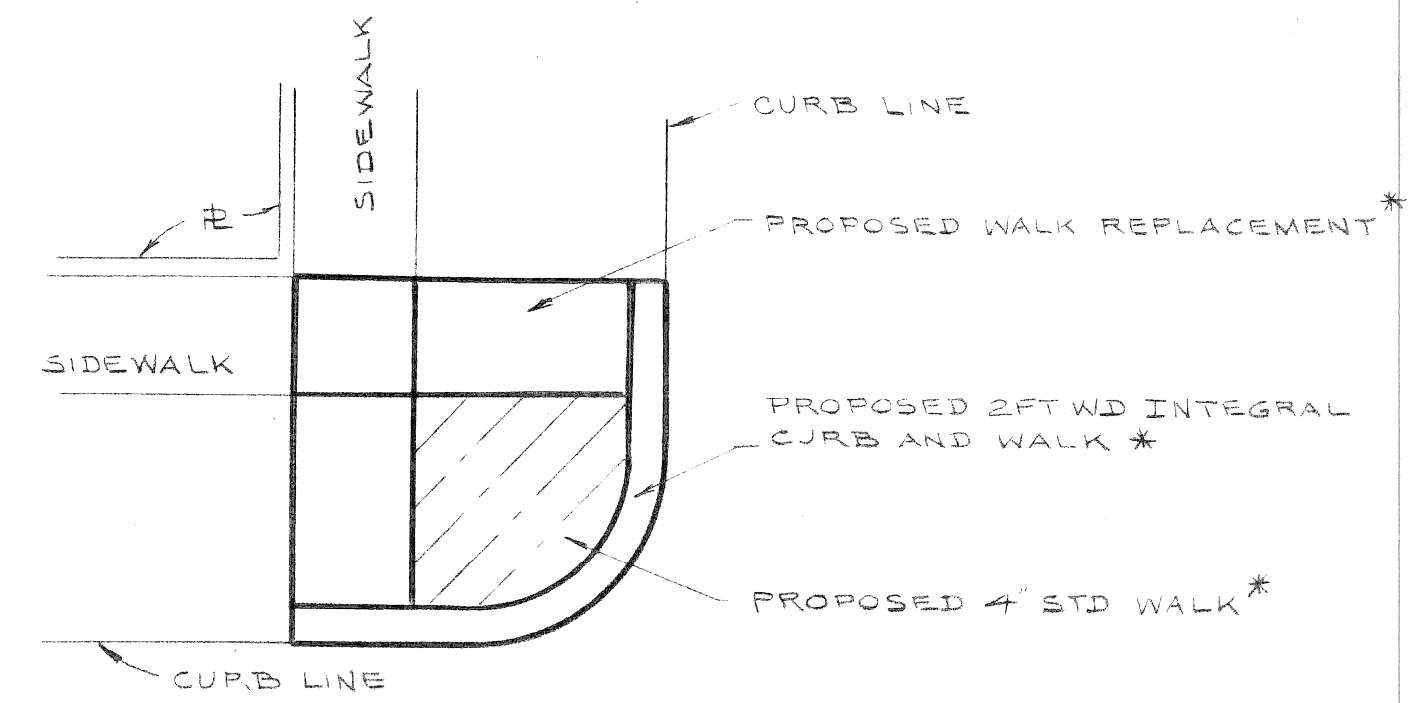
* SEE NOTE #1

LEGEND

- Ⓜ RESETTING CATCH BASIN
- Ⓜ RESETTING MANHOLE
- ▨ RESURFACING

NOTES

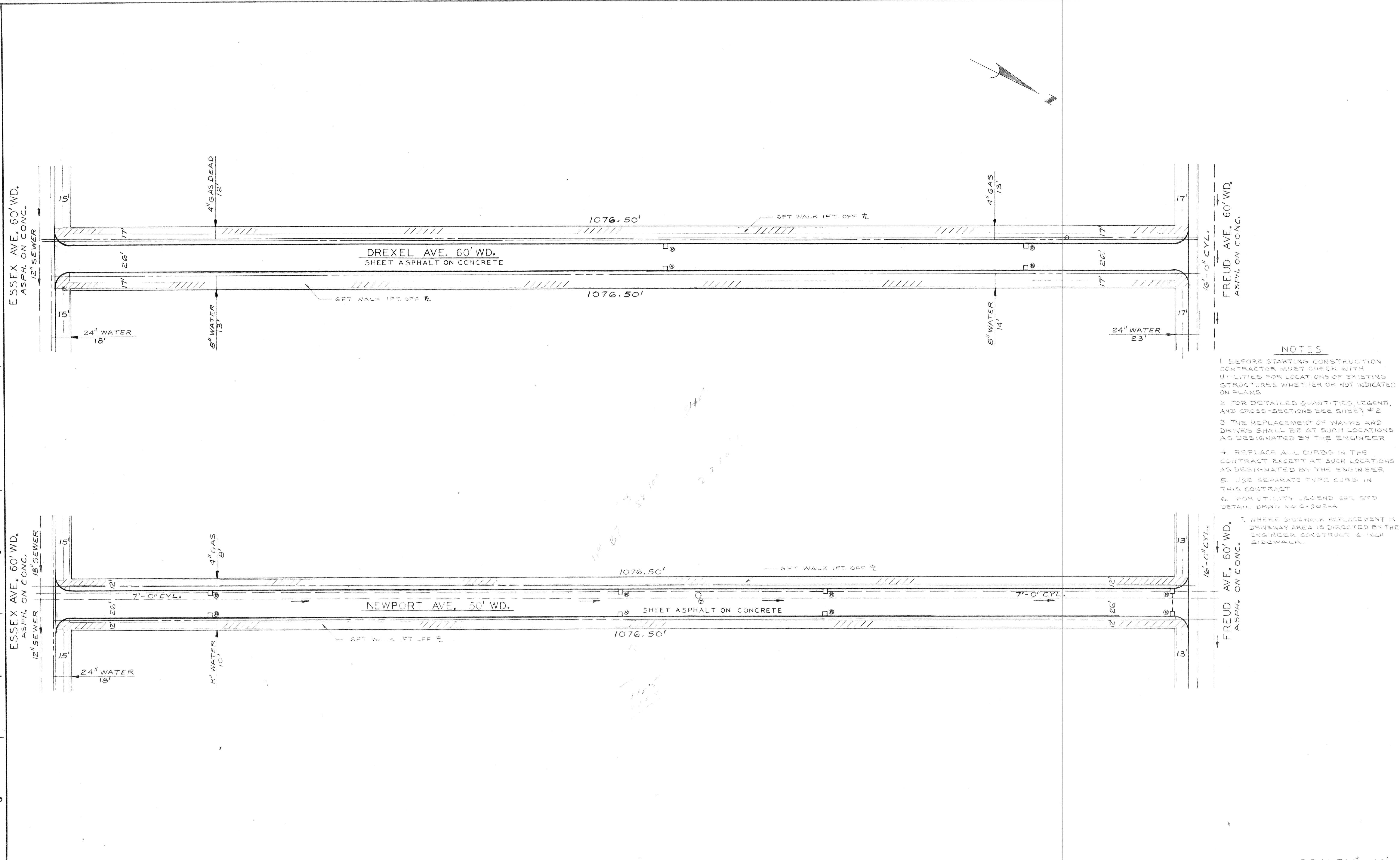
- 1- LOCATION OF PROPOSED NEW CONSTRUCTION OR REPLACEMENT INDICATED ON THE TYPICAL SECTIONS SHALL BE AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER
- 2- WHERE SEPARATE TYPE CURB OR INTEGRAL TYPE CURB AND WALK ARE CALLED FOR, SEE STD DET DRWGS NO C-4381 AND NO. C-4550
- 3- CONSTRUCT SEPARATE TYPE CURB IN THIS CONTRACT
- 4- WHERE SIDEWALK REPLACEMENT IN DRIVEWAY AREA IS DIRECTED BY THE ENGINEER CONSTRUCT 6" SIDEWALK
- 5- COST FOR REMOVAL OF EXISTING CURB BACKING WILL NOT BE PAID FOR SEPARATELY BUT WILL BE PAID FOR AS PART OF THE ITEMS IN THE PROPOSAL FOR SEPARATE TYPE CURB REPLACEMENT AND INTEGRAL CURB AND WALK REPLACEMENT.



TYPICAL INTERSECTION

NO SCALE

DESIGNED BY: BRANTIGAN DRAWN BY: [Signature] TRACED BY: [Signature] CHECKED BY: G.E.B. N.J.K.		APPROVED: [Signature] ENGINEER OF STREETS [Signature] ENGINEER OF EXPRESSWAYS		CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION			CURB AND WALK REPLACEMENT AND RESURFACING DREXEL FROM ESSEX TO FREUD NEWPORT FROM ESSEX TO FREUD JEFFERSON - CHALMERS NDP, MICH. A-4-1 DETAILS, QUANTITIES AND LEGEND			1973 GROUP JC-1 SHEET 2 OF 3 SHEETS CONTRACT No. PW 6526 ASSIGN No. A0-131 DATE JANUARY 6, 1973	
REVISIONS LOCATED BY COORDINATES ON SHEET											



- NOTES**
- 1 BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS
 - 2 FOR DETAILED QUANTITIES, LEGEND, AND CROSS-SECTIONS SEE SHEET #2
 - 3 THE REPLACEMENT OF WALKS AND DRIVES SHALL BE AT SUCH LOCATIONS AS DESIGNATED BY THE ENGINEER
 - 4 REPLACE ALL CURBS IN THE CONTRACT EXCEPT AT SUCH LOCATIONS AS DESIGNATED BY THE ENGINEER
 - 5 USE SEPARATE TYPE CURB IN THIS CONTRACT
 - 6 FOR UTILITY LEGEND SEE STD DETAIL DRWG NO C-302-A
 - 7 WHERE SIDEWALK REPLACEMENT IN DRIVEWAY AREA IS DIRECTED BY THE ENGINEER CONSTRUCT 6-INCH SIDEWALK.

1973 GROUP JC-1 SCALE: 1" = 40'

DESIGNED BY DRAWN BY <i>Jones</i> TRACED BY CHECKED BY <i>GEH NJK</i>		APPROVED: <i>[Signature]</i> ENGINEER OF STREETS <i>[Signature]</i> ENGINEER OF EXPRESSEWAYS	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION	CURB AND WALK REPLACEMENT AND RESURFACING DREXEL FROM ESSEX TO FREUD NEWPORT FROM ESSEX TO FREUD JEFFERSON - CHALMERS - NDP, MICH. A-4-1	SHEET 3 OF 3 SHEETS CONTRACT NO. PW 6526 ASSIGNMENT NO. AC 2131 DATE JANUARY 8, 1973
REVISIONS LOCATED BY COORDINATES ON SHEET		PLAN			