

TOPO 29
INDEX 4

CONTRACT NO. P.W. 4526

STREET PAVING PLAN CITY OF DETROIT

DETROIT MEDICAL CENTER
REHABILITATION PROJECT NO.1
MICH., R-35

AO - 1236-C
FILE NO. 11-03
DATE 4-10-63
DRAWN BY R. KOWALSKI
CHECKED BY Erickson
APPROVED <i>Behm</i>
ENGINEER OF STREETS
<i>[Signature]</i>
ASSISTANT CITY ENGINEER
<i>Walter B. Palmer</i>
CITY ENGINEER

C.C. 4-13-65

TITLE SHEET

SHEET
1 OF 11
SHEETS

SHEET NO.	PLAN INDEX	DESCRIPTION
1		TITLE SHEET
2		QUANTITY SHEET
3		TYPICAL SECTION
4		HORIZONTAL CONTROL
5-7		PAVING PLANS
8-10		UTILITY & REMOVAL PLANS
11		LAWN WATERING SYSTEM
		STREET PAVING STANDARDS ATTACHED

PAVING OF BEAUBIEN STREET FROM MACK TO ALEXANDRINE

DETROIT MEDICAL CENTER
REHABILITATION PROJECT NO.1
MICH., R-35
FOR
DEPARTMENT OF PUBLIC WORKS

BEFORE STARTING CONSTRUCTION — CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.

SCALE
 LOTS & ALLEYS 1" = 50'
 STREET WIDTH 1" = 50'

VERTICAL
 SUPPLEMENTARY DETAILS
 C-4378 THROUGH C-4395A

DATE REVISIONS
 9-10-63 ADDED CROSSOVER DETAILS

QUANTITIES	ESTIMATED	
	LOTS	CITY
EXCAVATION CU.YDS.		
PAVEMENT REMOVAL SQ.YDS.		
CURB REMOVAL LFT.		
FILL	TYPE A	
	TYPE 22A	
	SEWER	
ADJUST MANHOLES	WATER	
MANHOLES	RE-CONSTRUCT CONE NEW	
CATCH BASIN ADJUST		
CATCH BASIN STANDARD NEW		
12" SEWER PIPE LFT.		
PAVING SQ.YDS.		

QUANTITIES	ESTIMATED	
	LOTS	CITY
PAVING SQ.YDS.		
PAVING UNIF. SQ.YDS.		
CURB-TYPE II LFT.		
TEST CORES EACH		
SIDEWALK 4" STANDARD SQ.FT.		
CONCRETE DRIVE 8" STD. SQ. FT. 8" STD. SQ. FT.		
TREE REMOVAL 4"-12" DIA.		
TREE REMOVAL 12"-18" DIA.		

ASSIGNMENT
 No. A.O.-1236(C)

BOOK NO. PG. LEVEL DATE

LOTS 2L LENGTH

CITY 2L LENGTH

TOTAL LENGTH

DATE OF DRAW'G.

DRAINAGE COMPLETED

PAVING COMPLETED C.C. 4-13-65

MADE BY	CHECKED BY
L. CHAPMAN	Op. H.
PLAN	
PROFILE	
GRADE	
SEWER APPROVED	
ESTIMATE	
FINAL CHECK	<i>Encher</i>
APPROVED	<i>Behm</i>
ENGINEER OF STREETS	
<i>M. Stepien</i>	
CITY ENGINEER	
<i>Raymond R. Sabner</i>	
CITY ENGINEER	

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STREET PAVING PLAN
 CITY OF DETROIT
 DETROIT MEDICAL CENTER REHABILITATION PROJECT NO. 1
 DEPARTMENT OF PUBLIC WORKS—CITY ENGINEERS OFFICE

NAME OF STREET BEAUBIEN

FROM MACK

TO STA. 5+12.61 N. OF MACK

UTILITY AND REMOVAL

SHEET 8 OF 11 SHEETS

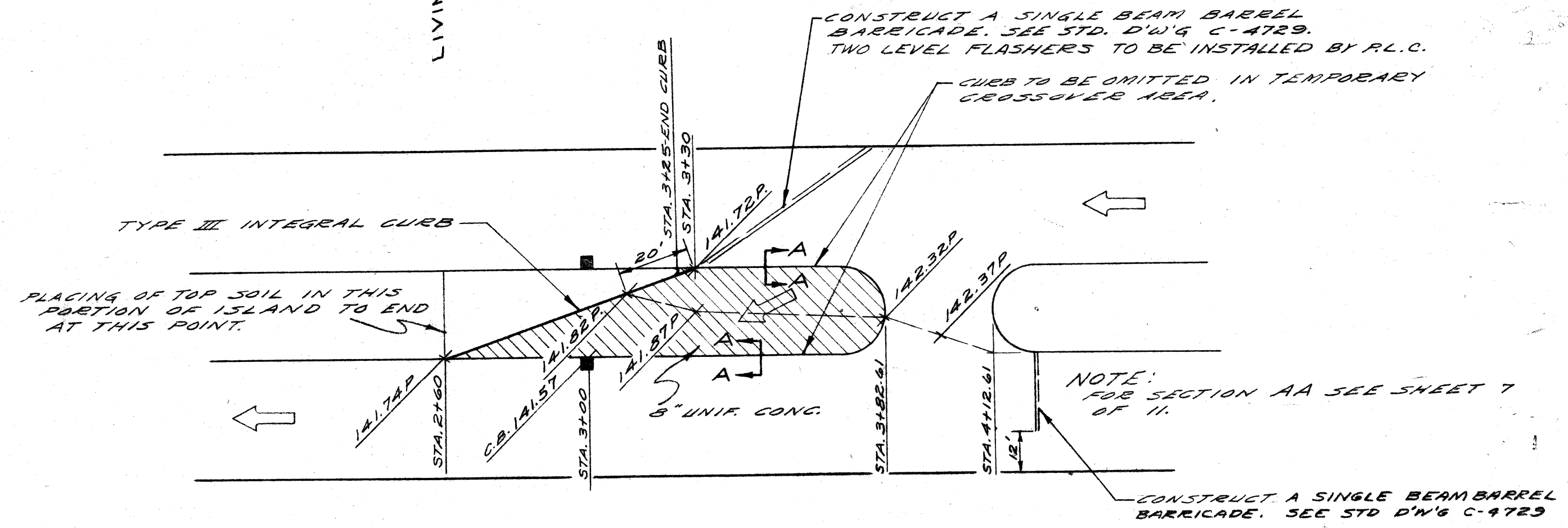
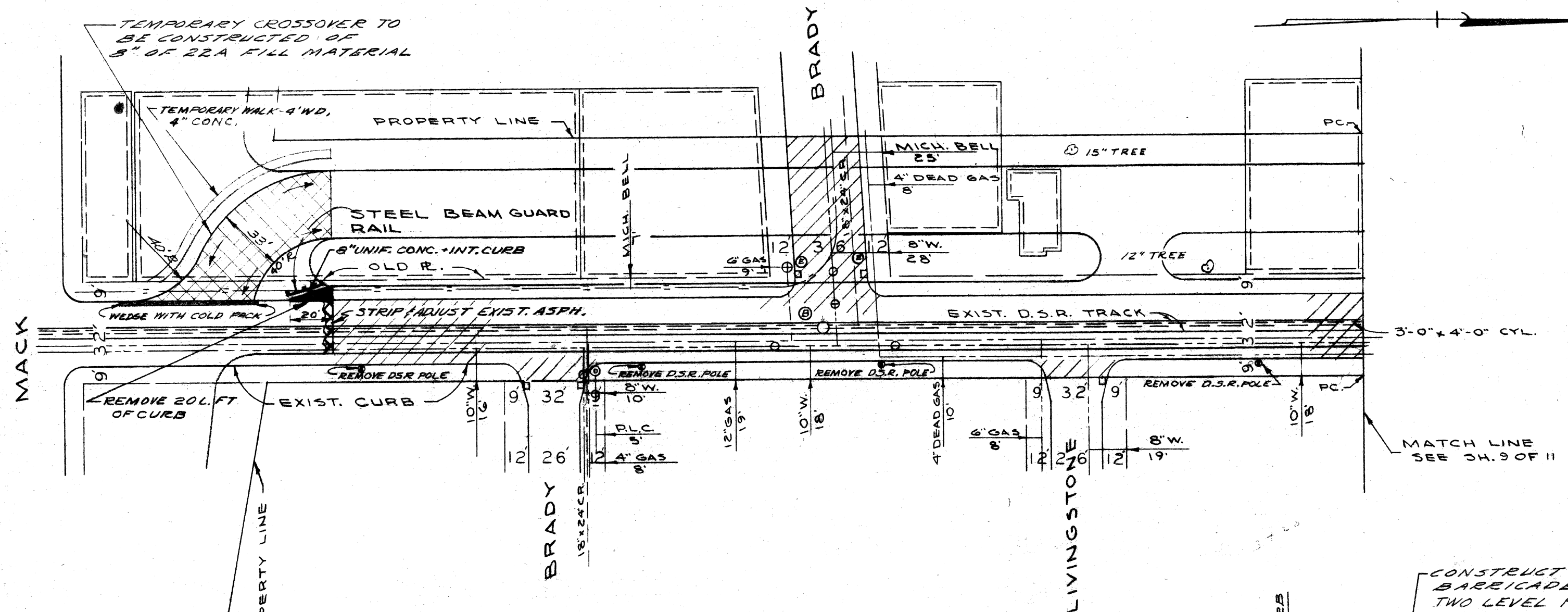
PET. NO. _____ BY _____ DATE _____

NOTE — FOR SYMBOLS (A) ETC., SEE STANDARD DETAIL DRAWING C-4378

BENCH MARKS _____ ELEV. _____

NOTE:
 REMOVE ALL PAVEMENT, CURB AND WALKS WITHIN NEW R.O.W UNLESS OTHERWISE NOTED ON PLAN.

FOR PAVING PLAN SEE SHEET 5 OF 11



DETAIL OF TEMPORARY CROSSOVER
 SCALE ~ 1" = 30'

BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES EITHER ON OR NOT INDICATED ON PLANS.	
SCALE	1" = 50'
LOTS & ALLEYS	1" = 50'
STREET WIDTH	1" = 50'
VERTICAL	
SUPPLEMENTARY DETAILS	
C-4375 THROUGH C-4385	
DATE	REVISIONS
11-19-63	REVISION "A"
ITEM NO. 1	REMOVE & CROSS CONNECTIONS & ADD 4 DRAIN VALVES
ITEM NO. 2	RELOCATE MAINS
ITEM NO. 3	REMOVE & SPRINKLER HEADS & ADD 4 QUICK COUPLING VALVES

QUANTITIES	ESTIMATED	
	LOTS	CITY
EXCAVATION CU.YDS.		
PAVEMENT REMOVAL SQ.YDS.		
CURB REMOVAL LFT.		
FILL		
ADJUST MANHOLES		
MANHOLES		
CATCH BASIN ADJUST		
CATCH BASIN STANDARD NEW		
12" SEWER PIPE LFT.		
PAVING SQ.YDS.		

QUANTITIES	ESTIMATED	
	LOTS	CITY
PAVING SQ.YDS.		
PAVING UNIP. SQ.YDS.		
CURB-TYPE II LFT.		
TEST CORES EACH		
SIDEWALK 4" STANDARD SQ.FT.		
CONCRETE DRIVE 6" STD. SQ.FT.		
CONCRETE DRIVE 8" STD. SQ.FT.		
TREE REMOVAL 4"-18" DIA.		
TREE REMOVAL 18"-18" DIA.		

ASSIGNMENT NO. 1236(C)	
BOOK NO. 1860p. 19-30	LEVEL DATE 12-20-62
LOTS SL	LENGTH
CITY SL	LENGTH
TOTAL	LENGTH
DATE OF DRAW'G. 4-10-63	
DRAINAGE COMPLETED	
PAVING COMPLETED C.C. 4-13-65	

PLAN	MADE BY	CHECKED BY
PROFILE		
GRADE		
SEWER APPROVED		
ESTIMATE		
FINAL CHECK		
APPROVED		
MECHANICAL ENGINEER		
CITY ENGINEER		

GROUP NO.	INDEX NO.
4	4
TOPO NO.	INDEXED
29	

CONTRACT NO. P.W. 4526
STREET PAVING PLAN
CITY OF DETROIT
 DETROIT MEDICAL CENTER REHABILITATION PROJECT NO. 1
 DEPARTMENT OF PUBLIC WORKS-CITY ENGINEERS OFFICE

NAME OF STREET BEAUBIEN - ST. ANTOINE

FROM MACK

TO ALEXANDRINE

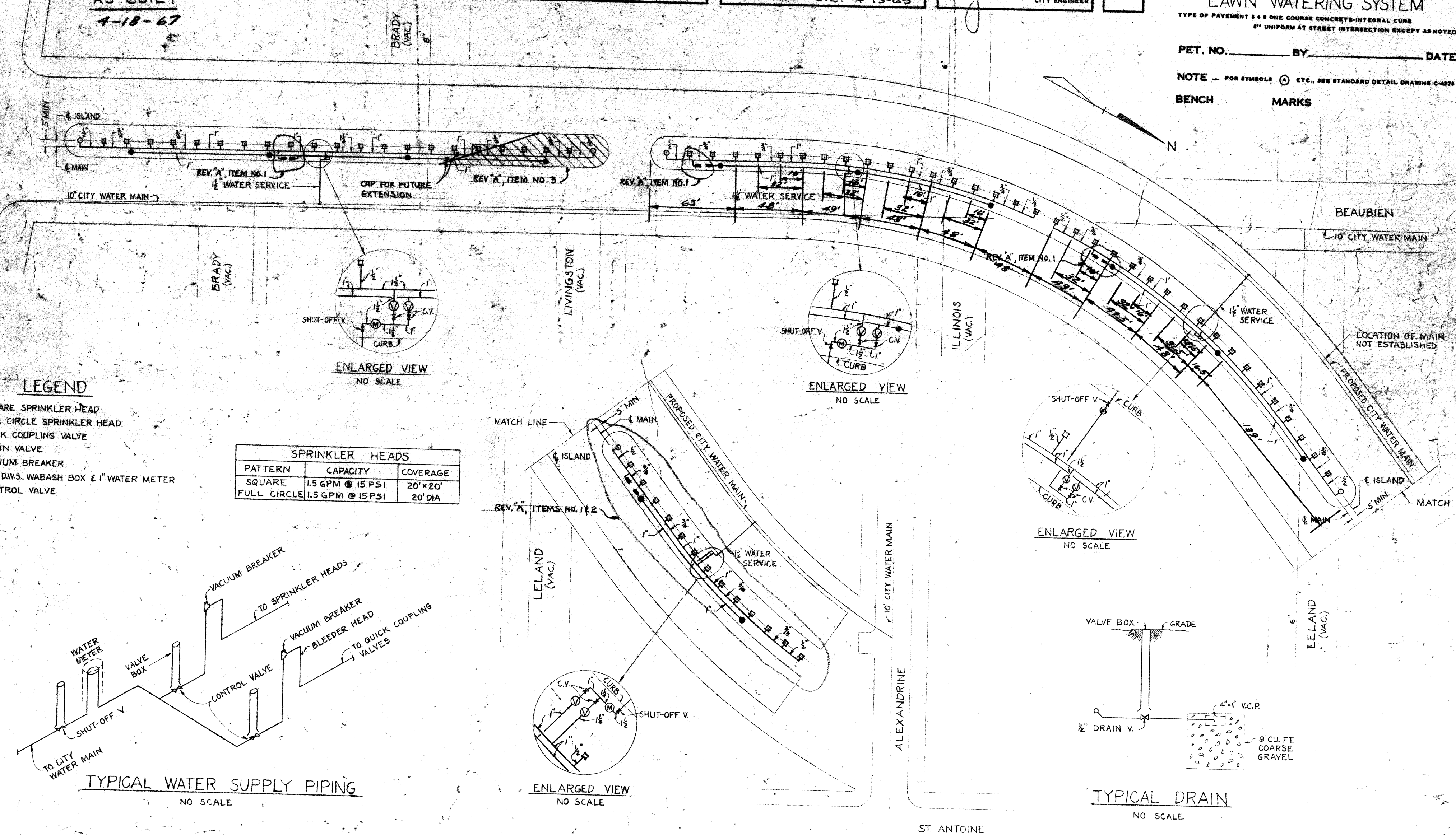
LAWN WATERING SYSTEM

PET. NO. _____ BY _____ DATE _____

NOTE - FOR SYMBOLS (A) ETC., SEE STANDARD DETAIL DRAWING C-4375

BENCH MARKS _____ ELEV. _____

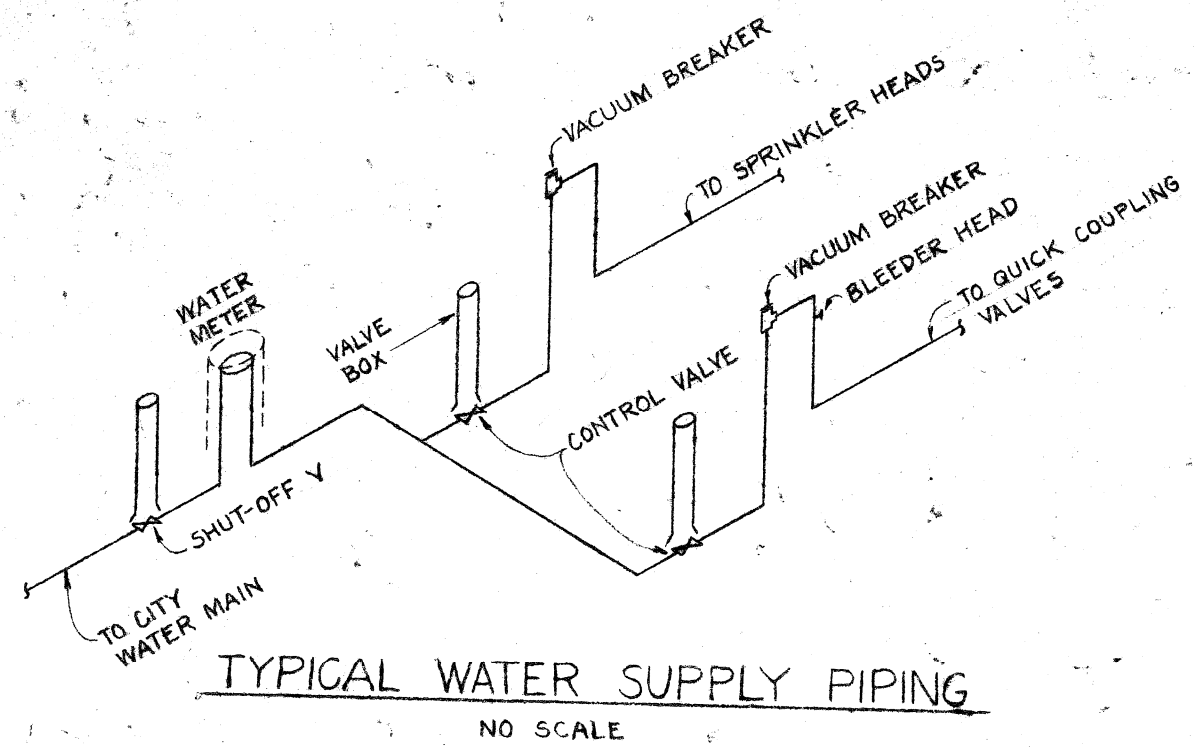
SHEET 11 OF 11 SHEETS FT. WD.



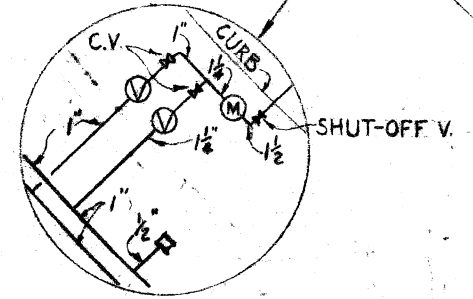
LEGEND

- SQUARE SPRINKLER HEAD
- FULL CIRCLE SPRINKLER HEAD
- QUICK COUPLING VALVE
- DRAIN VALVE
- ⊙ VACUUM BREAKER
- ⊕ STD D.W.S. WABASH BOX & 1" WATER METER
- CV CONTROL VALVE

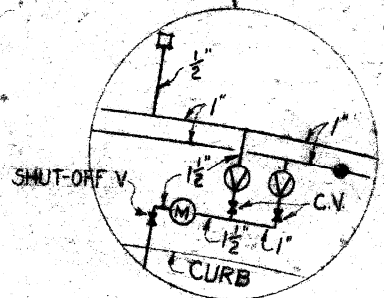
SPRINKLER HEADS		
PATTERN	CAPACITY	COVERAGE
SQUARE	1.5 GPM @ 15 PSI	20' x 20'
FULL CIRCLE	1.5 GPM @ 15 PSI	20' DIA



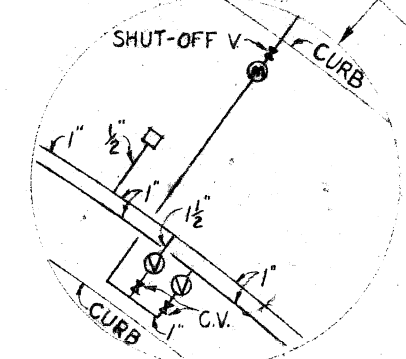
TYPICAL WATER SUPPLY PIPING
NO SCALE



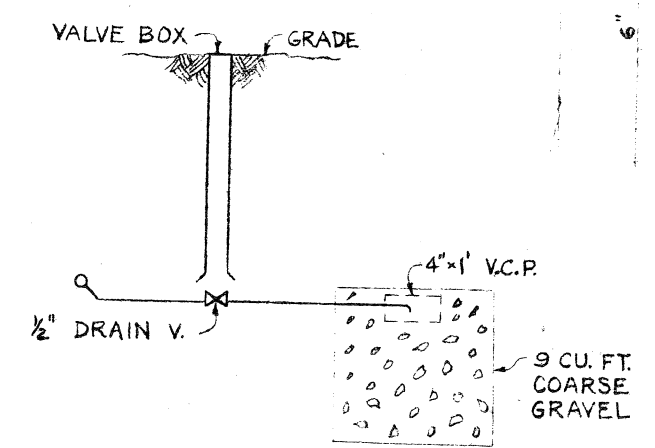
ENLARGED VIEW
NO SCALE



ENLARGED VIEW
NO SCALE



ENLARGED VIEW
NO SCALE



TYPICAL DRAIN
NO SCALE

BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.

SCALE
LOTS & ALLEYS NONE
STREET WIDTH NONE
VERTICAL NONE

SUPPLEMENTARY DETAILS
C-4378 THROUGH C-4393

DATE REVISIONS

QUANTITIES	ESTIMATED	ESTIMATED	
		LOTS	CITY
EXCAVATION CU.YDS.			
PAVEMENT REMOVAL SQ.YDS.			
CURB REMOVAL LFT.			
FILL	LFT.	TYPE A	
		TYPE 22A	
		SEWER	
ADJUST MANHOLES			
MANHOLES	RE-CONSTRUCT CONE NEW		
CATCH BASIN ADJUST			
CATCH BASIN STANDARD NEW			
12" SEWER PIPE LFT.			
PAVING SQ.YDS.			

QUANTITIES	ESTIMATED	ESTIMATED	
		LOTS	CITY
PAVING SQ.YDS.			
PAVING UNIF. SQ.YDS.			
CURB-TYPE II LFT.			
TEST CORES EACH			
SIDEWALK 4" STANDARD SQ.FT.			
CONCRETE DRIVE 4" STD. SQ. FT. 8" STD. SQ. FT.			
TREE REMOVAL 4"-12" DIA.			
TREE REMOVAL 12"-18" DIA.			

ASSIGNMENT NO. A0.1236(C)

BOOK NO. PG. LEVEL DATE

LOTS 2L LENGTH

CITY 2L LENGTH

TOTAL LENGTH

DATE OF DRAW'G. 4-10-63

DRAINAGE COMPLETED

PAVING COMPLETED C.C. 4-13-65

MADE BY L. CHAPMAN

CHECKED BY

PLAN PROFILE GRADE

SEWER APPROVED

ESTIMATE

FINAL CHECK APPROVED *Erickson*

ENGINEER OF STREETS *Behm*

ASST. CITY ENGINEER *M. Keper*

CITY ENGINEER *Dege*

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STREET PAVING PLAN
CITY OF DETROIT
DETROIT MEDICAL CENTER REHABILITATION PROJECT NO. 1
DEPARTMENT OF PUBLIC WORKS-CITY ENGINEERS OFFICE

NAME OF STREET TYPICAL SECTION

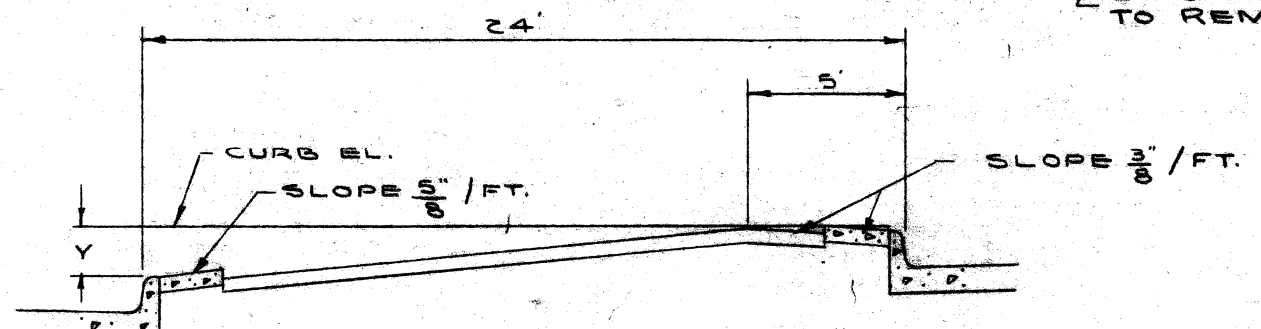
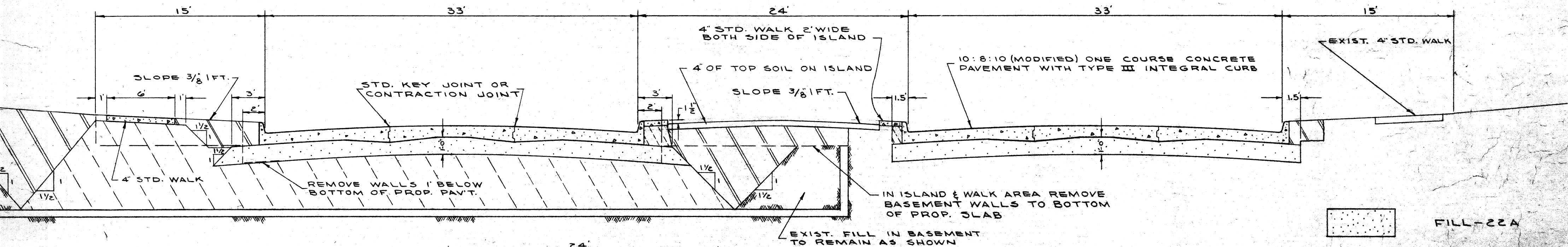
FROM TO BEAUBIEN

SHEET 3 OF 11 SHEETS

PET. NO. BY DATE

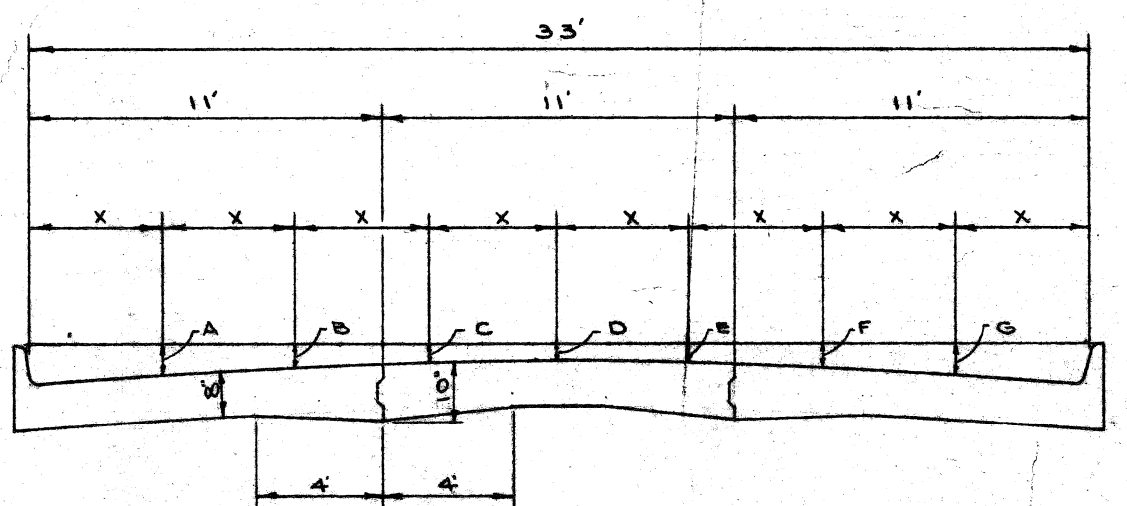
NOTE - FOR SYMBOLS @ ETC., SEE STANDARD DETAIL DRAWING C-4378

BENCH MARKS ELEV.



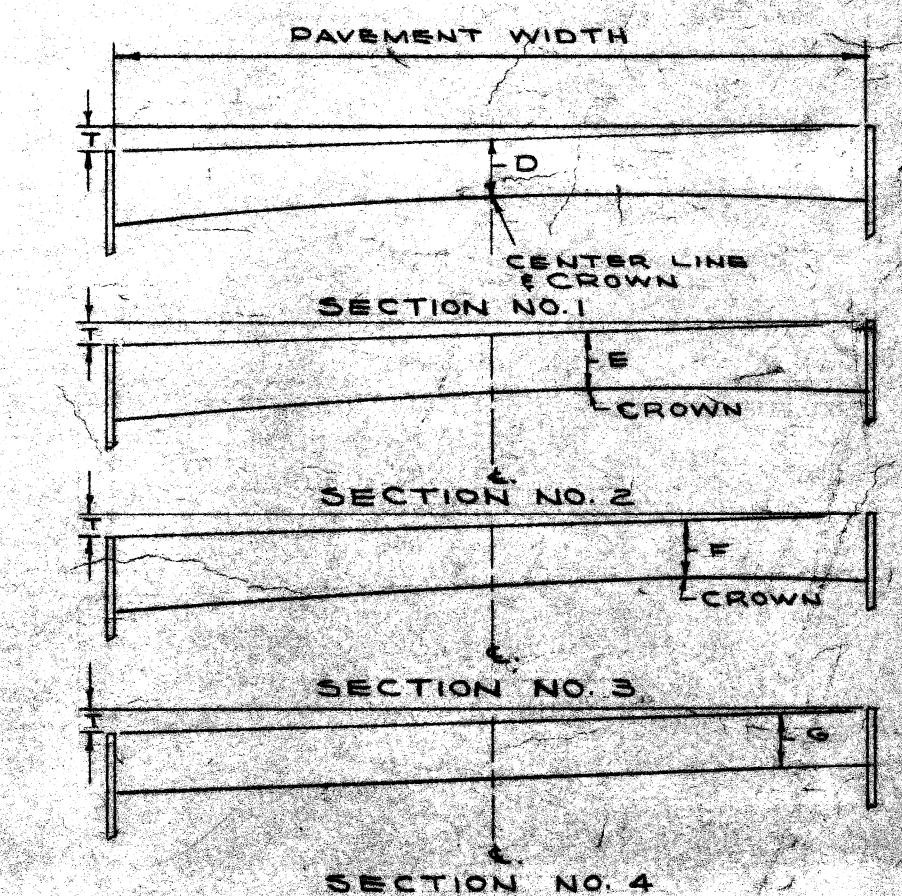
TYPICAL SECTION OF ISLAND WHERE Y IS GREATER THAN 1.5'

- FILL-22A
- FILL-TYPE A
- FILL-EARTH



10:8:10 MODIFIED ONE COURSE CONCRETE

PAVEMENT WIDTH	CURB FACE	X	A	B	C	D	E	F	G	SEC.	
33'	7"	4'-1 1/2"	0.3'	5 1/2"	4 3/8"	3 1/2"	2 7/8"	2 3/4"	3 1/2"	4 1/8"	1
			0.4'	5 1/2"	4 3/8"	3 5/8"	3 1/4"	3 1/2"	4 1/8"	5 3/8"	2
			0.5'	5 3/8"	4 1/8"	3 1/4"	2 3/4"	2 7/8"	3 3/8"	5"	2
			0.6'	5 1/4"	3 7/8"	2 3/4"	2 1/4"	2 5/8"	3 1/4"	4 3/4"	2
			0.7'	5 1/8"	3 7/8"	3 1/8"	2 7/8"	3 1/8"	3 7/8"	5 1/8"	3
			0.8'	5"	3 3/8"	2 5/8"	2 1/8"	2 5/8"	3 1/2"	5"	3
			0.9'	4 7/8"	3 1/4"	2 1/4"	1 7/8"	2 1/8"	3 1/8"	4 3/4"	3
33'	7"	4'-1 1/2"	0.0'	5 1/4"	3 7/8"	3 1/8"	2 7/8"	3 1/8"	3 7/8"	5 1/4"	1



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BEFORE STARTING CONSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.

SCALE
 LOTS & ALLEYS 1" = 50'
 STREET WIDTH 1" = 50'
 VERTICAL 1" = 2'

SUPPLEMENTARY DETAILS
 C-4376 THROUGH C-4398 A

DATE REVISIONS
 9-20-63 ADDED NOTE A, SHADING, AND BARRICADE ON N'BOUND RDWAY. &

QUANTITIES	ESTIMATED	
	LOTS	CITY
EXCAVATION CU.YDS.		
PAVEMENT REMOVAL SQ.YDS.		
CURB REMOVAL LFT.		
FILL	TYPE A	
	TYPE 25A	
	SEWER	
ADJUST MANHOLES	WATER	
MANHOLES	RE-CONSTRUCT CONE	
	NEW	
CATCH BASIN ADJUST		
CATCH BASIN STANDARD NEW		
12" SEWER PIPE LFT.		
PAVING SQ.YDS.		

QUANTITIES	ESTIMATED	
	LOTS	CITY
PAVING SQ.YDS.		
PAVING UNIF. SQ.YDS.		
CURB-TYPE II LFT.		
TEST CORES EACH		
SIDEWALK 4" STANDARD SQ.FT.		
CONCRETE DRIVE 6" STD. SQ. FT.		
	8" STD. SQ. FT.	
TREE REMOVAL 4"-12" DIA.		
TREE REMOVAL 13"-18" DIA.		

ASSIGNMENT NO. AO. 1236 (C)
 BOOK NO. 1860 Pg. 19-30 LEVEL DATE 12-20-62

LOTS 2L LENGTH
 CITY 2L LENGTH
 TOTAL LENGTH

DATE OF DRAW'G. 4-10-63

DRAINAGE COMPLETED
 PAVING COMPLETED C.C. 4-13-65

MADE BY	CHECKED BY
PLAN L. CHAPMAN	
PROFILE HUTCHENS	
GRADE J.E.	
SEWER APPROVED 4/24/63 [Signature]	
ESTIMATE TALLEY [Signature]	
FINAL CHECK [Signature]	
APPROVED [Signature]	
ENGINEER OF STREETS	
ASSISTANT CITY ENGINEER [Signature]	
CITY ENGINEER [Signature]	

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GROUP NO. _____ CONTRACT NO. P.W. 4526

STREET PAVING PLAN
CITY OF DETROIT
 DETROIT MEDICAL CENTER REHABILITATION PROJECT NO. 1
 DEPARTMENT OF PUBLIC WORKS-CITY ENGINEERS OFFICE

NAME OF STREET BEAUBIEN

FROM P.C. STA. 10+90.28 EAST LANE

TO ALEXANDRINE

MODIFIED 10:8:10
 TYPE OF PAVEMENT ONE COURSE CONCRETE-INTEGRAL CURB
 UNIFORM AT STREET INTERSECTION EXCEPT AS NOTED

PET. NO. _____ BY _____ DATE _____

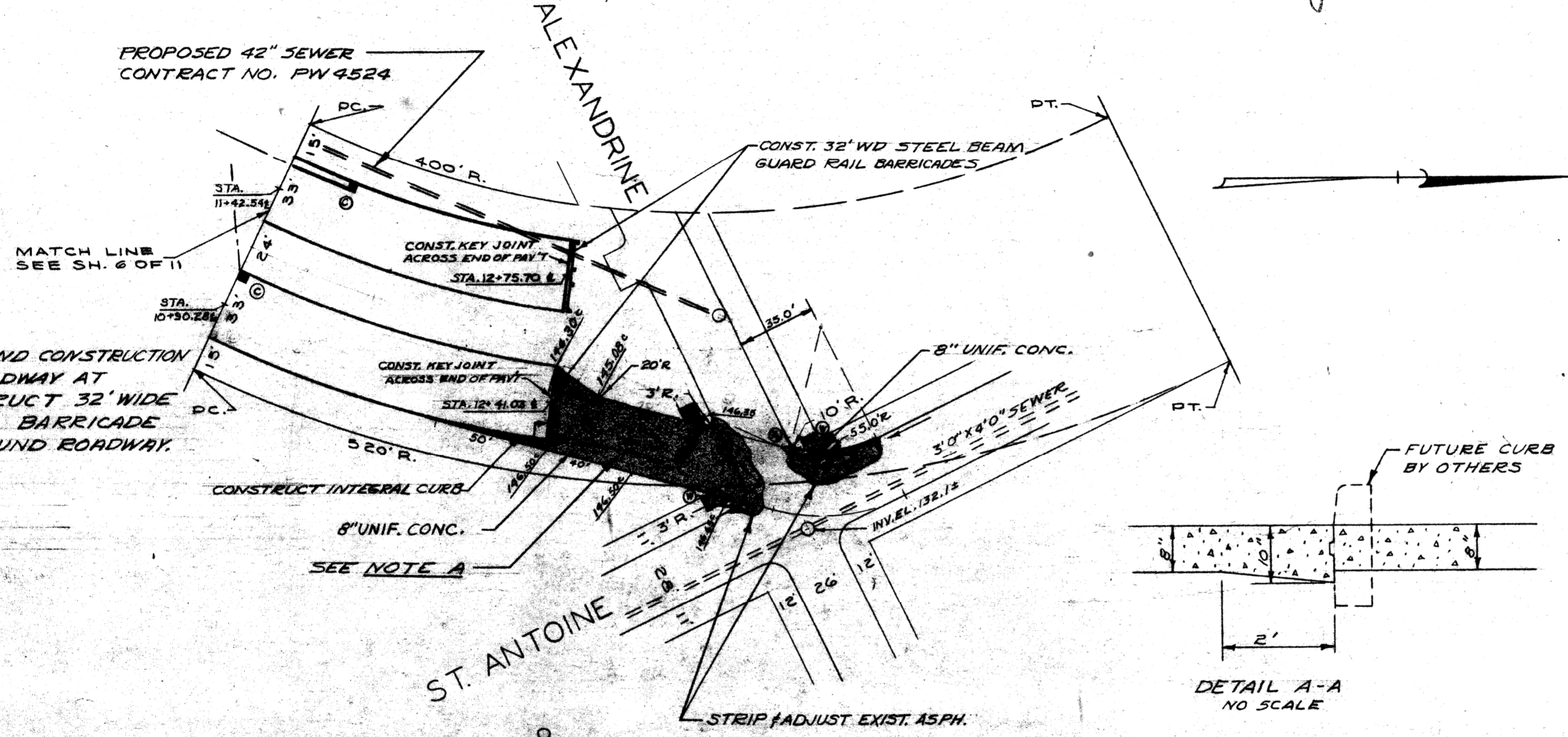
NOTE - FOR SYMBOLS (C) ETC., SEE STANDARD DETAIL DRAWING C-4376

BENCH MARKS
 PBM 30-254A N.W. COR. JOHN R. & ALEXANDRINE ELEV. 141.858 R
 CBM - HYD. S.W. COR. LELAND & ST. ANTOINE 148.22

HORIZONTAL CONTROL:
 SEE SHEET 4 OF 11

SHEET 7
 OF 11 SHEETS

NOTE A
 DELETE SHADED AREA. END CONSTRUCTION ON THE NORTHBOUND ROADWAY AT STATION 12+41.03. CONSTRUCT 32' WIDE STEEL BEAM GUARD RAIL BARRICADE AS SHOWN ON NORTHBOUND ROADWAY.

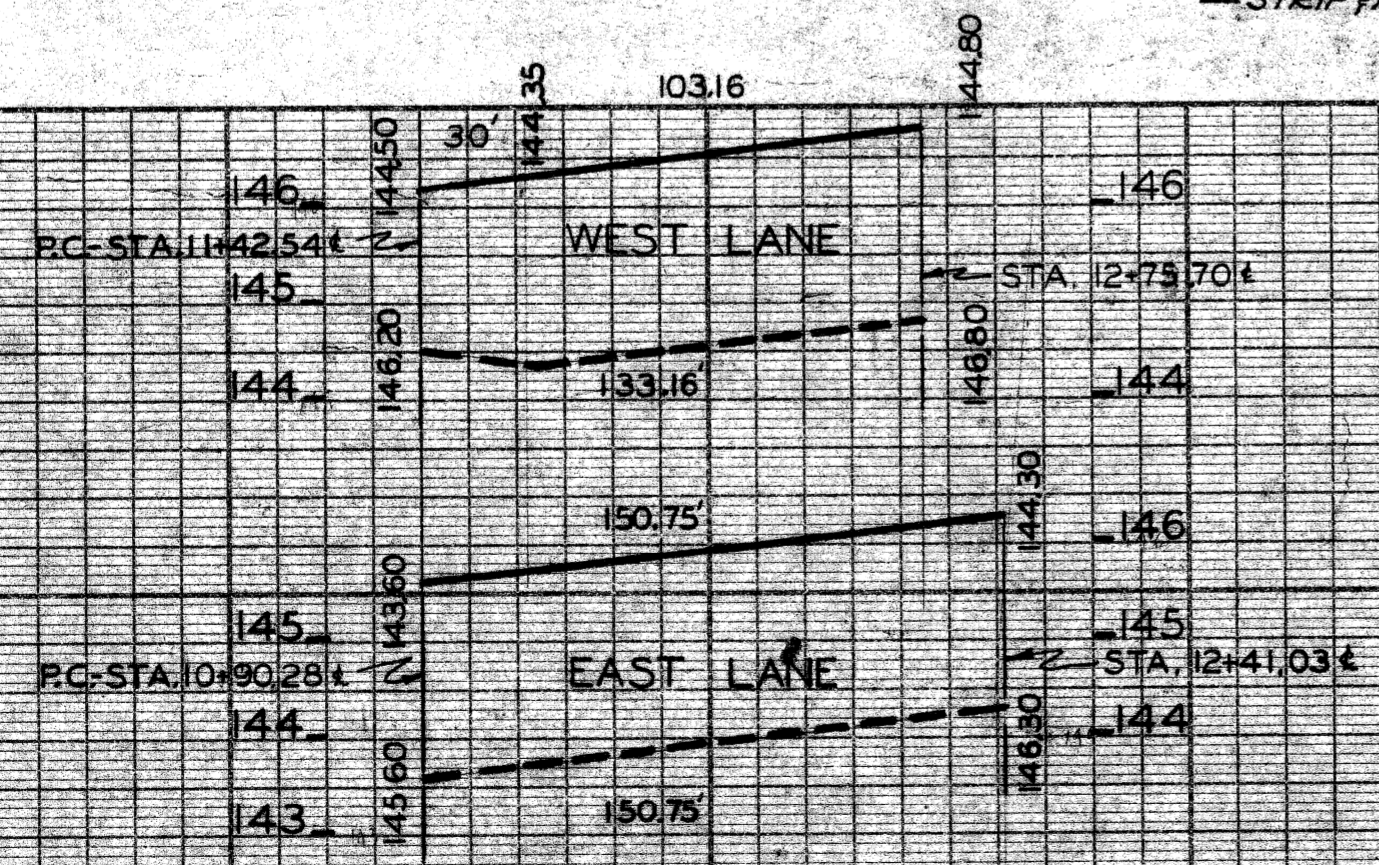


TREE REMOVAL SCHEDULE			
NO.	SIZE	STATION	LOCATION
1	18"	11+98.5	5.5' W. OF W. LANE &
1	24"	12+00.5	15.5' E. OF W. LANE &
1	21"	12+07	10.5' W. OF E. LANE &

UTILITIES AND REMOVAL:
 SEE SHEET 10 OF 11

CURVE DATA:

W. LANE &	E. LANE &
R _c = 431.50'	R _c = 488.50'
Δ = 17° 40' 52"	Δ = 17° 40' 52"
T = 67.07'	T = 75.93'
ARC = 133.16'	ARC = 150.75'



ASSIGNMENT NO. AO. 1496	
BOOK NO. 1860 pg. 38-45	LEVEL DATE 1-20-64
LOTS 2L	LENGTH
CITY 2L	LENGTH
TOTAL	LENGTH
DATE OF DRAW'G. APRIL 3, 1964	
DRAINAGE COMPLETED	
PAVING COMPLETED	

MADE BY L. CHAPMAN	CHECKED BY R. C. M.
PROFILE L. CHAPMAN	R. C. M.
GRADE R. C. M.	
SEWER APPROVED W. B. ...	
ESTIMATE	
FINAL CHECK N. ...	Ericksen
APPROVED B. Behm	
ENGINEER OF STREETS	
M. Stepen	
ASST. CITY ENGINEER	
Clayton Palmer	
CITY ENGINEER	

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STREET PAVING PLAN
CITY OF DETROIT
 DETROIT MEDICAL CENTER REHABILITATION PROJECT NO. 2
 DEPARTMENT OF PUBLIC WORKS - CITY ENGINEERS OFFICE

NAME OF STREET **BEAUBIEN**
 AT **CANFIELD AVE.**
 FROM **DETAIL SHEET**

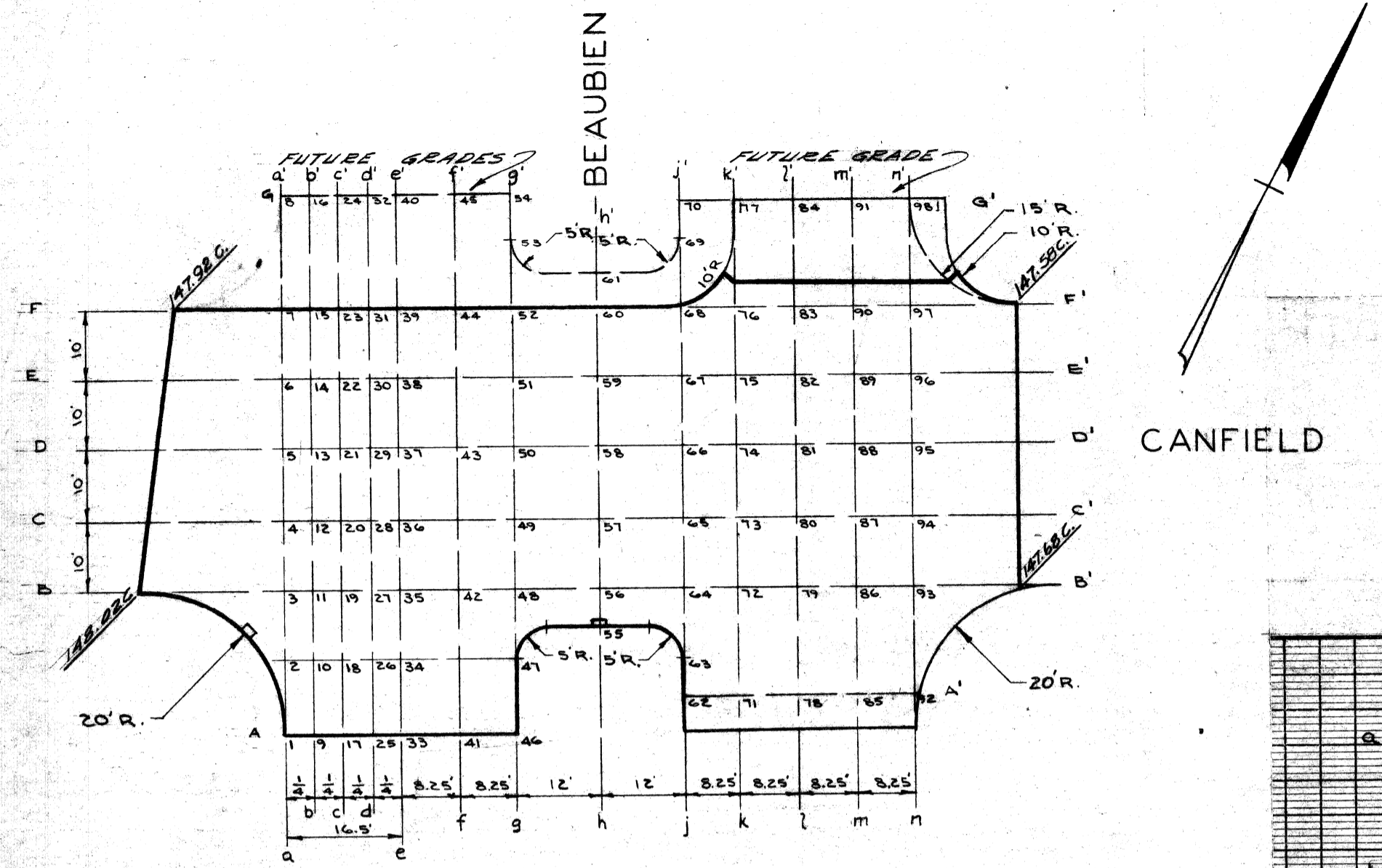
SHEET **7**
 OF **7**
 SHEETS

NO. 2:10 MODIFIED
 TYPE OF PAVEMENT **ONE COURSE CONCRETE-INTERIOR CURB**
10" UNIFORM AT STREET INTERSECTION EXCEPT AS NOTED

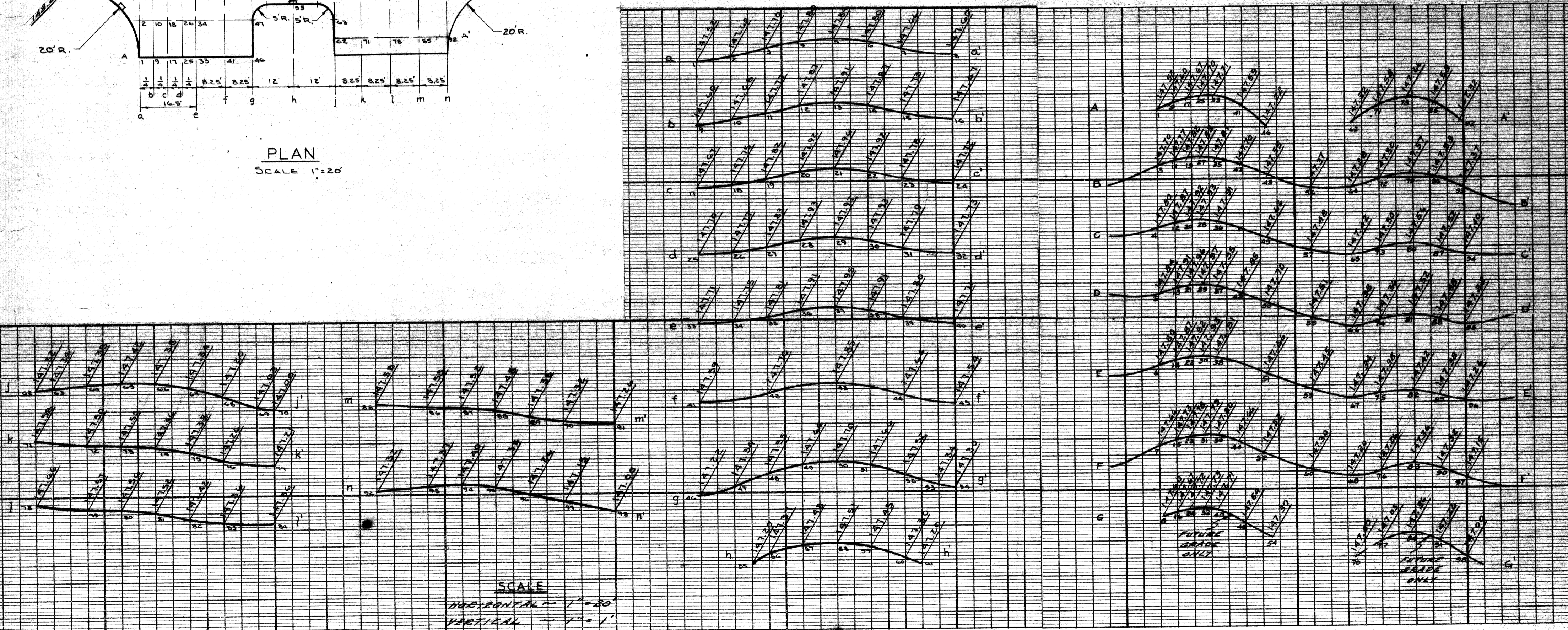
PET. NO. _____ BY _____ DATE _____

NOTE - FOR SYMBOLS @ ETC., SEE STANDARD DETAIL DRAWING C-575

BENCH MARKS ELEV.
 D.B.M. # **30-254 NW. COR. ALEXANDRINE & JOHN R. M. 85.8**
ARROW ON HYD. S.W. COR. JOHN R. & CANFIELD 143.52
ARROW ON HYD. S. OF S.E. COR. ST. ANTOINE & CANFIELD 150.43



PLAN
 SCALE 1"=20'



SCALE
 HORIZONTAL - 1"=20'
 VERTICAL - 1"=1'

BEFORE STARTING INSTRUCTION CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.

SCALE

LOTS & ALLEYS

STREET WIDTH

VERTICAL

SUPPLEMENTARY DETAILS
C-4378 THROUGH C-4395

DATE REVISIONS

QUANTITIES	ESTIMATED	
	LOTS	CITY
EXCAVATION	CU.YDS.	
PAVEMENT REMOVAL	SQ.YDS.	
CURB REMOVAL	LFT.	
FILL	TYPE A TYPE 22A SEWER WATER	
ADJUST MANHOLES	RE-CONSTRUCT CONE NEW	
MANHOLES		
CATCH BASIN ADJUST		
CATCH BASIN STANDARD NEW		
12" SEWER PIPE	LFT.	
PAVING	SQ.YDS.	

QUANTITIES	ESTIMATED	
	LOTS	CITY
PAVING	SQ.YDS.	
PAVING UNIF.	SQ.YDS.	
CURB-TYPE II	LFT.	
TEST CORES	EACH	
SIDEWALK 4" STANDARD	SQ.FT.	
CONCRETE DRIVE	6" STD. SQ. FT. 8" STD. SQ. FT.	
TREE REMOVAL	4"-12" DIA.	
TREE REMOVAL	13"-18" DIA.	

ASSIGNMENT NO. A.O. 1496

BOOK NO. PG. LEVEL DATE

LOTS 2L LENGTH

CITY 2L LENGTH

TOTAL LENGTH

DATE OF DRAW'G. MAY 4, 1964

DRAINAGE COMPLETED

PAVING COMPLETED

MADE BY	CHECKED BY
MCGREGOR	D.L.M.
SEWER APPROVED	
ESTIMATE	
FINAL CHECK	
APPROVED	
ENGINEER OF STREETS	
CITY ENGINEER	

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STREET PAVING PLAN
CITY OF DETROIT
DETROIT MEDICAL CENTER REHABILITATION PROJECT NO. 2
DEPARTMENT OF PUBLIC WORKS-CITY ENGINEERS OFFICE

NAME OF STREET BEAUBIEN

FROM _____ TO _____

DETAIL SHEETS

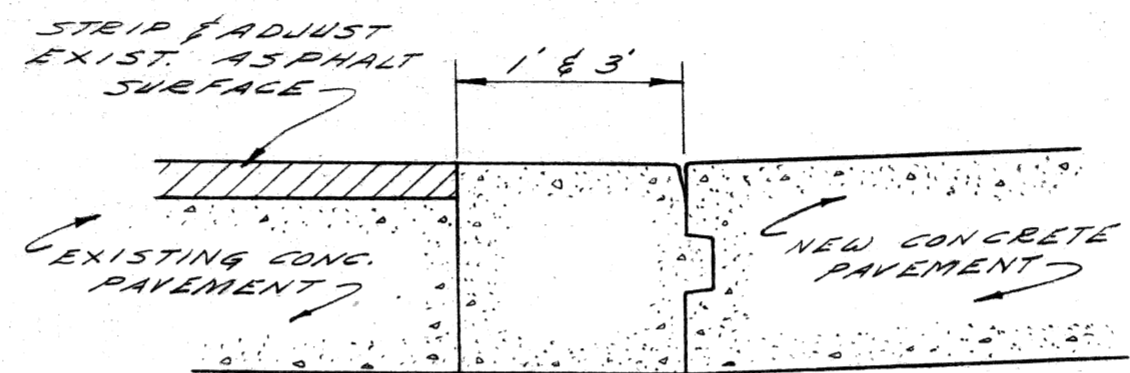
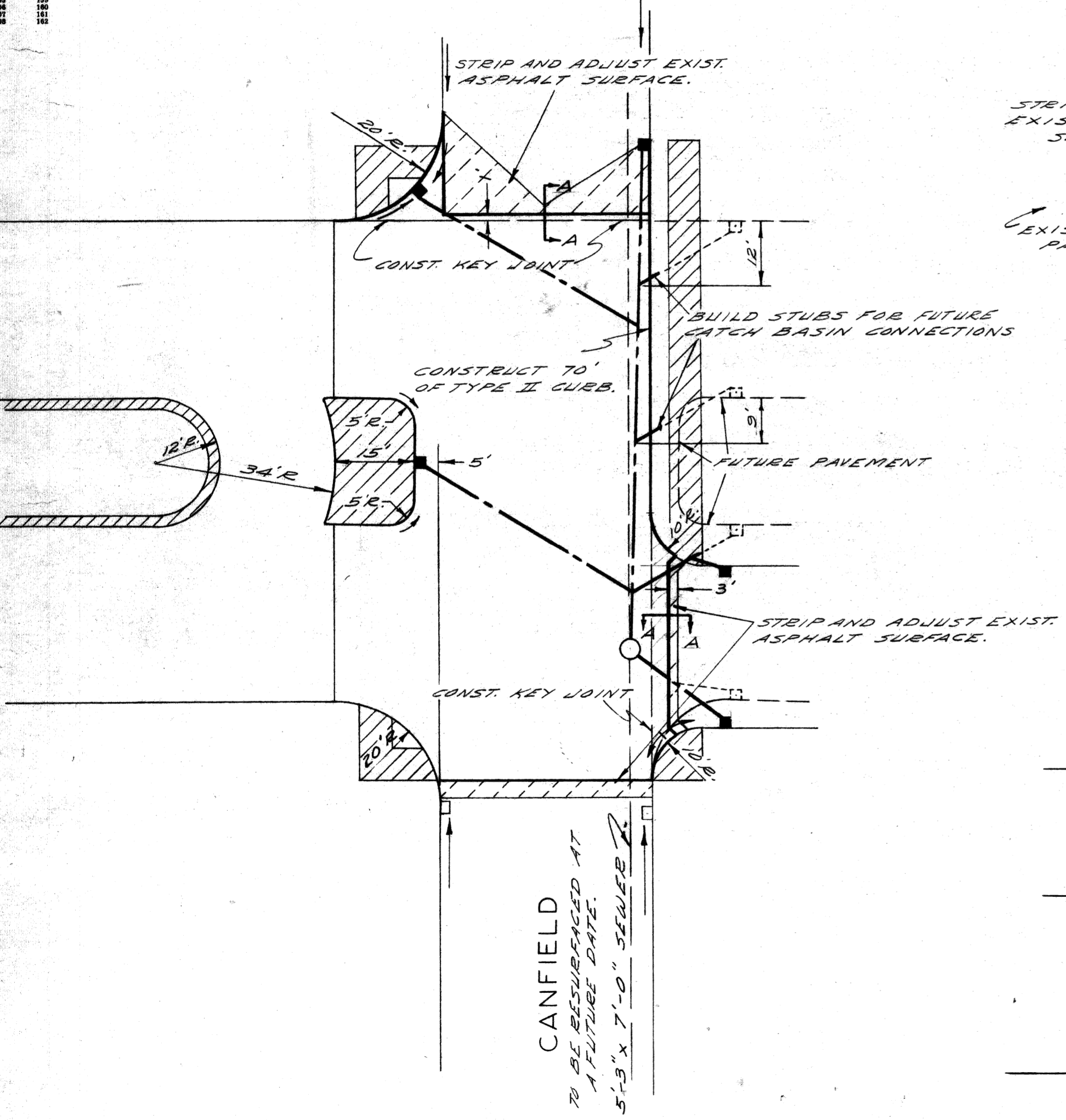
SHEET 8 OF 11 SHEETS FT. WD.

TYPE OF PAVEMENT: 3-6-3 ONE-COURSE CONCRETE-HYDRAL-CURE
UNIFORM AT STREET INTERSECTION EXCEPT AS NOTED

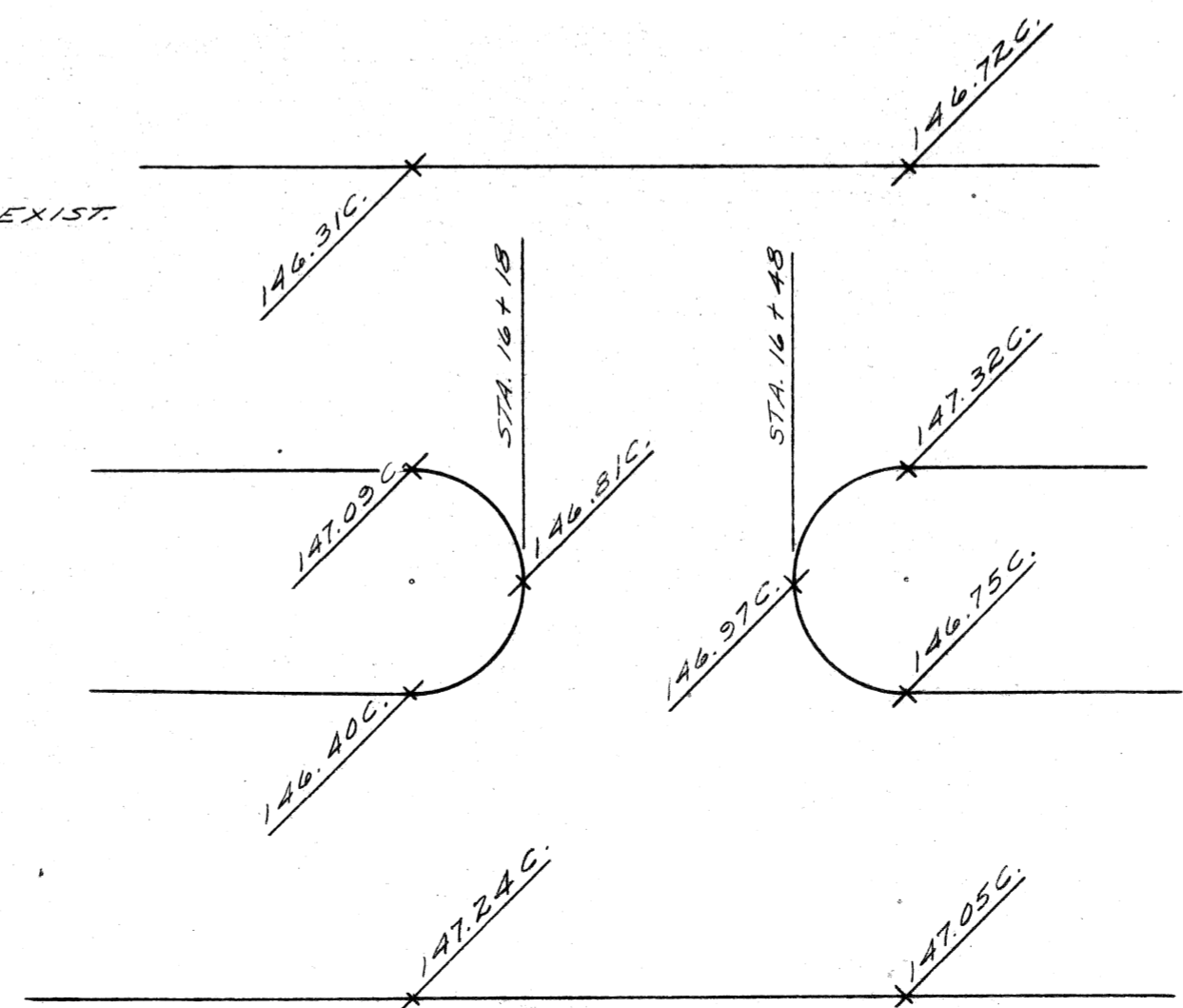
PET. NO. _____ BY _____ DATE _____

NOTE - FOR SYMBOLS @ ETC., SEE STANDARD DETAIL DRAWING C-4378

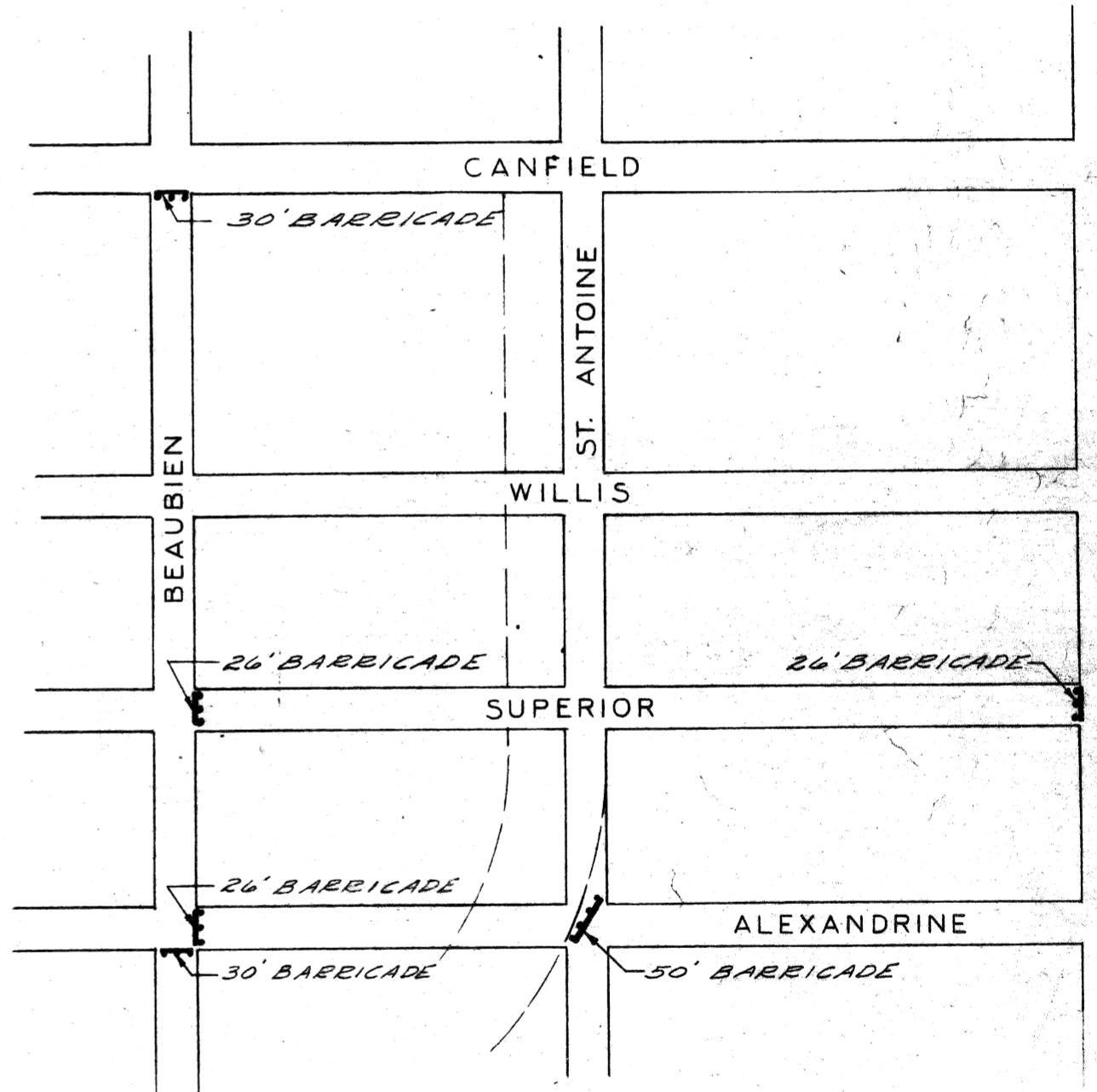
BENCH MARKS ELEV. _____



SECTION A-A
NO SCALE



CROSSOVER GRADE DETAIL



NOTE: CONSTRUCT TEMPORARY STREET BARRICADES OF THE LENGTHS & AT THE LOCATIONS SHOWN ABOVE.

WALTER P. CHRYSLER FREEWAY