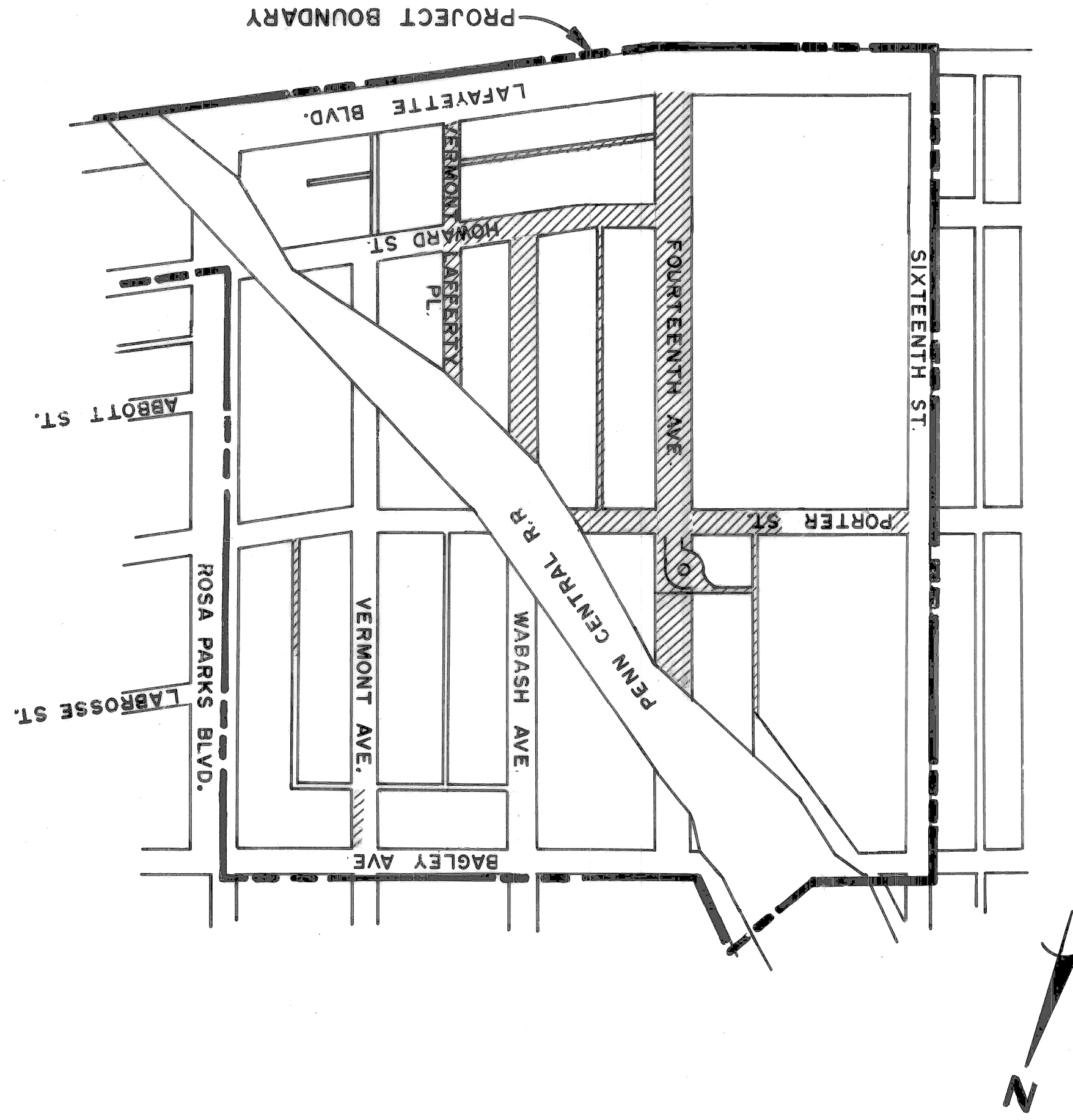


CITY OF DETROIT

CITY ENGINEERING DIVISION - EPMD

PLANS FOR PROPOSED

PAVING OF FOURTEENTH, HOWARD, VERMONT,
AND MISCELLANEOUS CONSTRUCTION
WEST SIDE INDUSTRIAL PROJECT NO. 2
FOR
COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT



- INDEX OF SHEETS
- 1. TITLE SHEET
 - 2. TYPICAL SECTIONS
 - 3-4. UTILITY AND REMOVAL SHEETS
 - 5-8. STREET PAVING PLANS
 - 9. STREET RESURFACING PLAN
 - 10. STREET PAVING DETAILS
 - 11-12. ALLEY PAVING PLANS
 - 13. QUANTITY SHEET
 - 14. LANDSCAPE DEVELOPMENT
 - 15-20. WATER SYSTEM ALTERATIONS
 - 21-24. SEWER ALTERATIONS
 - 25-28. P.L.D. ALTERATIONS

PROJECT: PAVING OF FOURTEENTH, HOWARD, VERMONT, AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2

CONTRACT NO. PW 6605

PLANS PREPARED BY
CITY ENGINEERING DIVISION - EPMD

RECOMMENDED FOR APPROVAL

ENGINEER OF INSPECTION

DATE

6-12-79

RECOMMENDED FOR APPROVAL

ENGINEER OF STREETS

DATE

6/12/79

APPROVED

ASSISTANT CITY ENGINEER

DATE

6/15/79

APPROVED

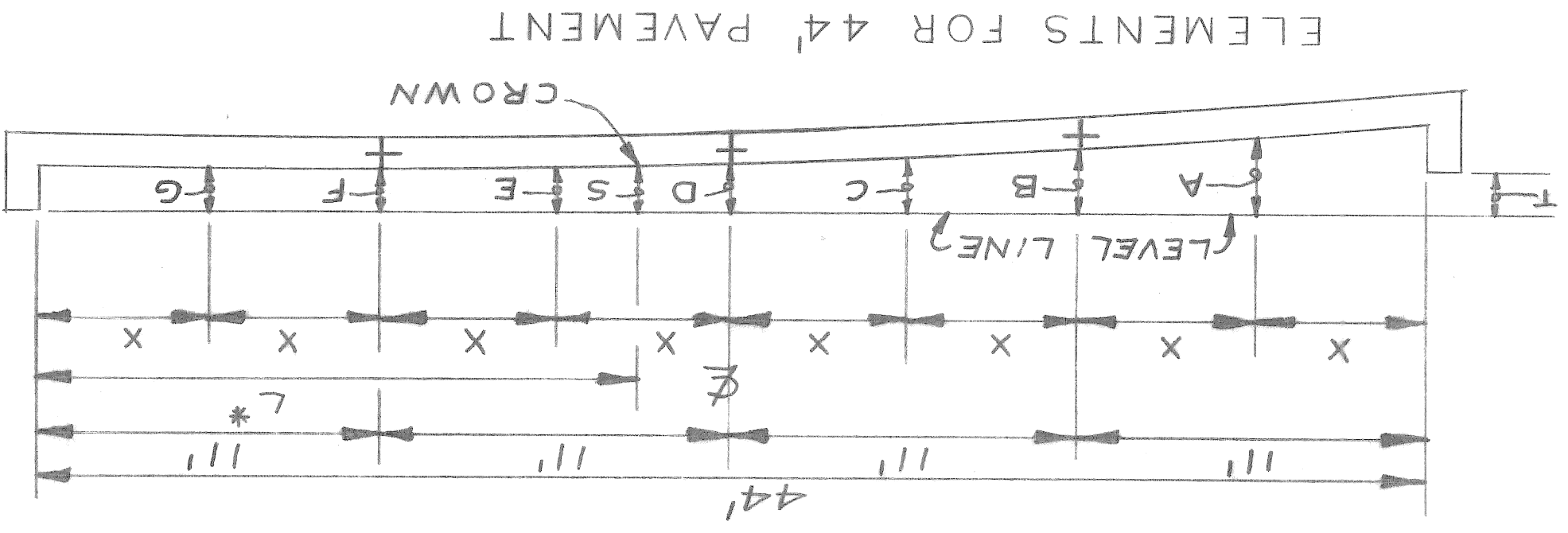
CITY ENGINEER

DATE

DRWG. NO. 1 OF 28

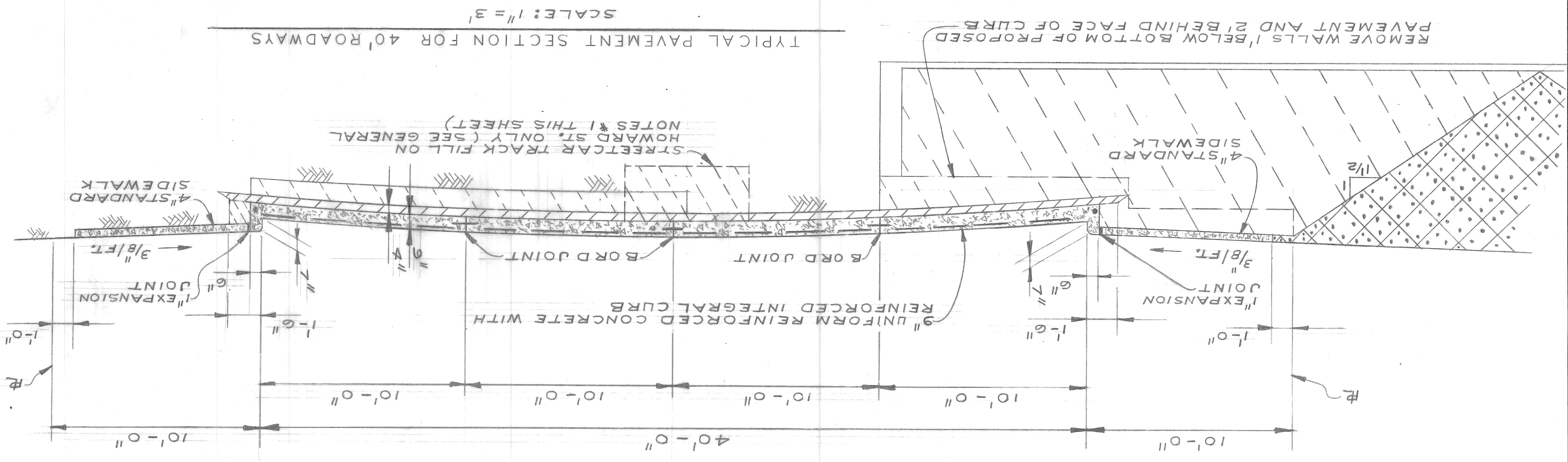
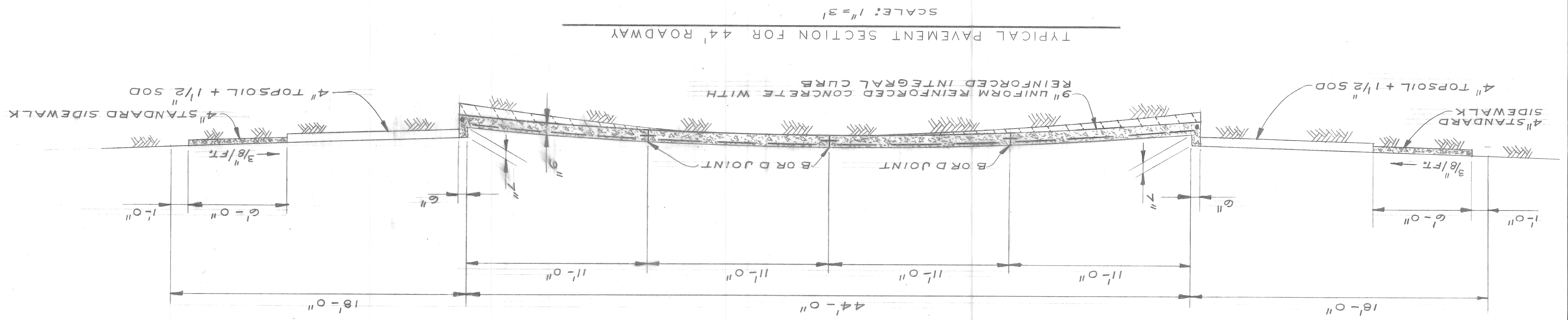
DATE JUNE 12, 1979

FOURTEENTH



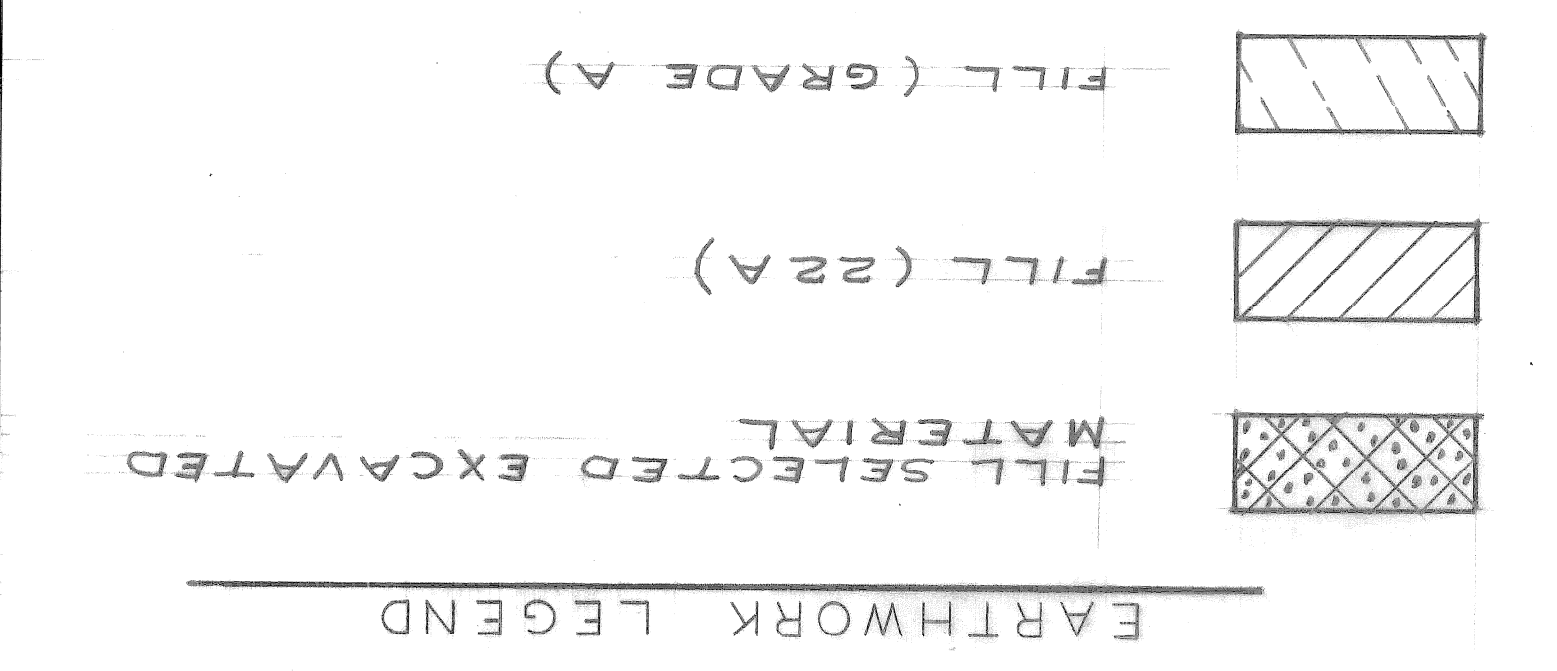
L* = DISTANCE FROM FACE OF CURB (ON HIGH SIDE) TO CROWN

PAVEMENT CURB WIDTH FACE	X	T	A	B	C	D	E	F	G	S	L*	
44'	7"	5.51'	0.51/8"	31/16"	27/8"	25/8"	27/8"	31/16"	35/16"	51/4"	33/16"	22'
			61/8"	45/8"	55/8"	33/16"	35/16"	35/16"	4"	51/4"	33/16"	20.5'
			73/16"	51/2"	43/8"	313/16"	33/4"	45/16"	53/8"	33/4"	33/4"	19'
			81/4"	63/8"	51/8"	43/8"	41/4"	45/8"	45/8"	51/2"	41/4"	17.5'
			91/4"	75/16"	57/8"	5"	411/16"	47/8"	47/8"	511/16"	411/16"	16'

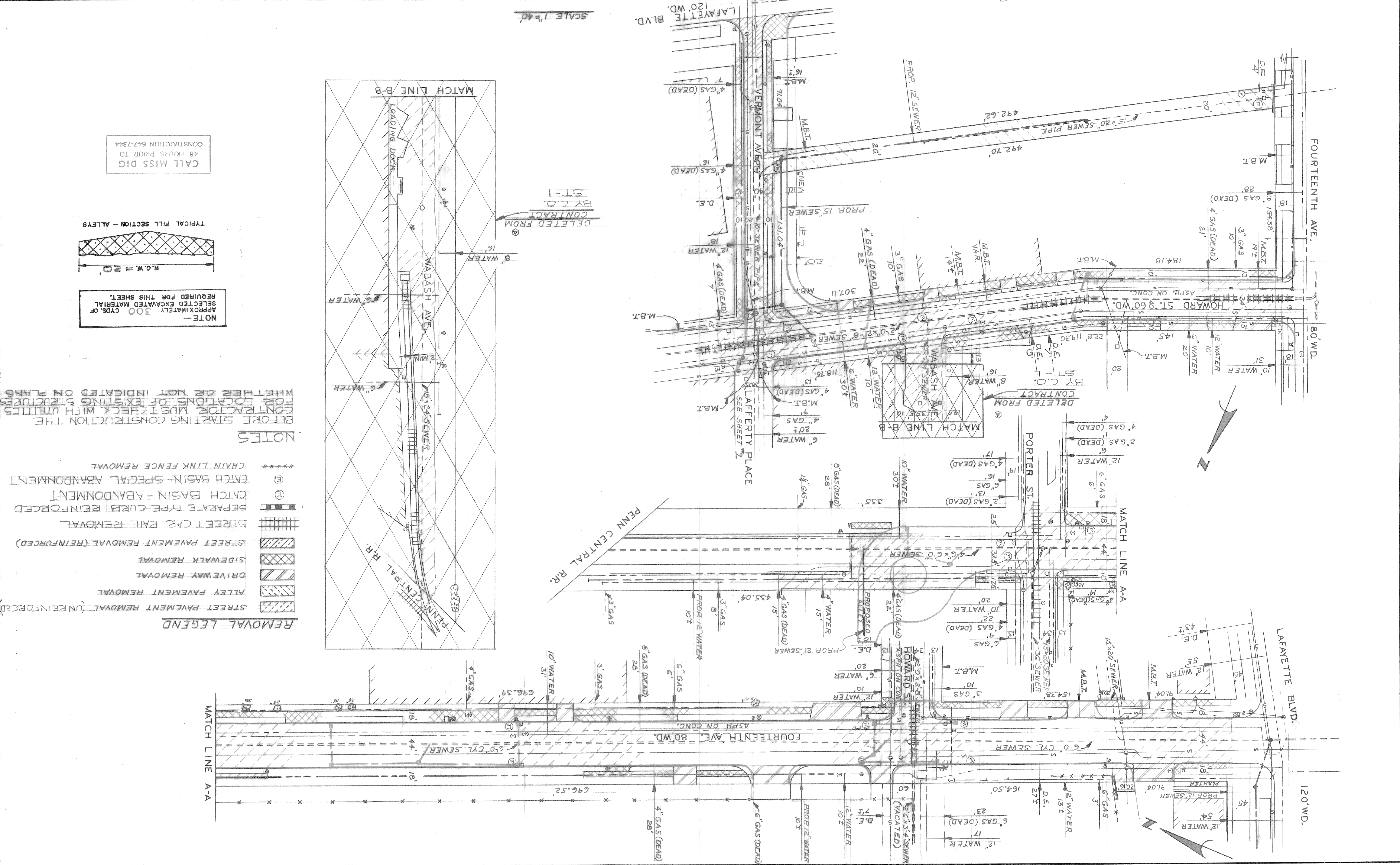


3. VERMONT FROM LAFAIETTE TO HOWARD, HOWARD FROM FOURTEENTH TO VERMONT, FOURTEENTH FROM LAFAIETTE TO STA. 13+99.69; PLACE 4" OF FILL (22A) UNDER THE PAVEMENT AS SHOWN ON THE 40' ROADWAYS PAVEMENT SECTION.

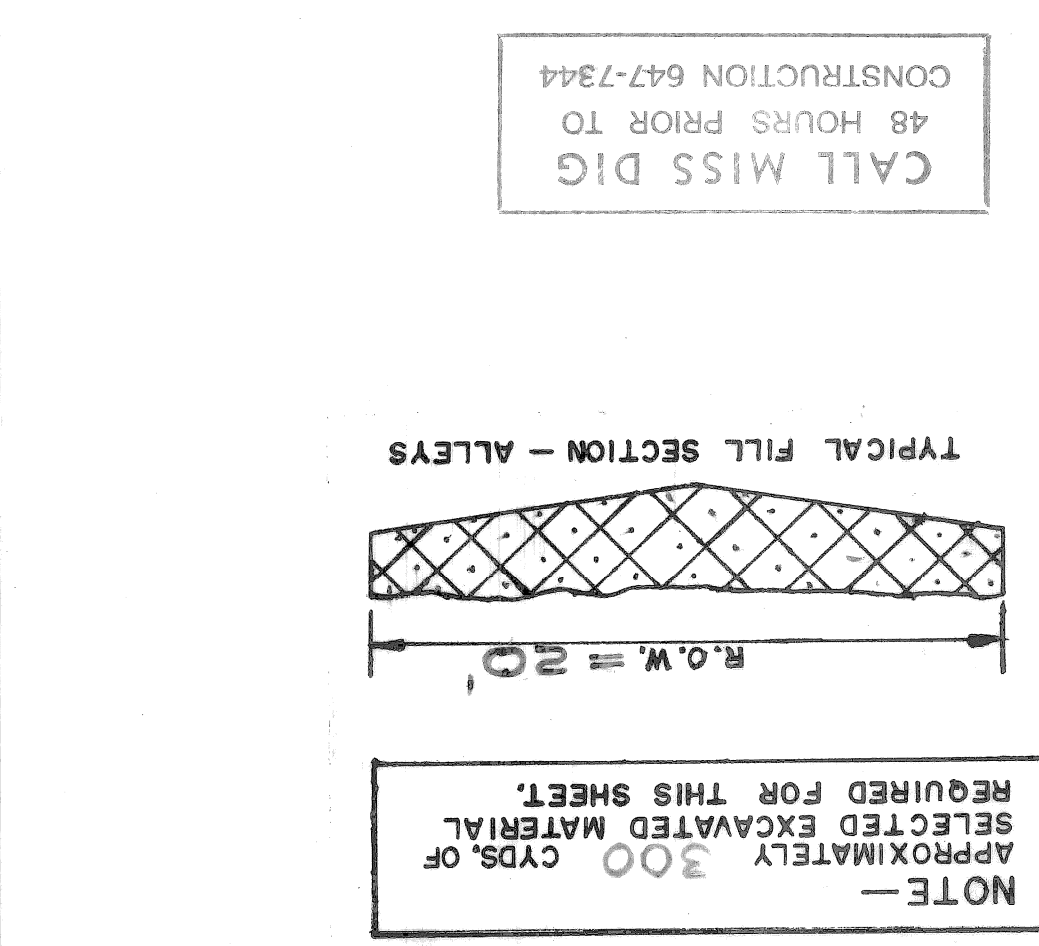
- GENERAL NOTES:
- ON HOWARD FILL STREETCAR TRACK VOID WITH GRADE A FILL.
 - SEE STANDARD DRAWING C-4943 FOR JOINTING DETAILS.
 - VERMONT FROM LAFAIETTE TO HOWARD, HOWARD FROM FOURTEENTH TO VERMONT, FOURTEENTH FROM LAFAIETTE TO STA. 13+99.69; PLACE 4" OF FILL (22A) UNDER THE PAVEMENT AS SHOWN ON THE 40' ROADWAYS PAVEMENT SECTION.



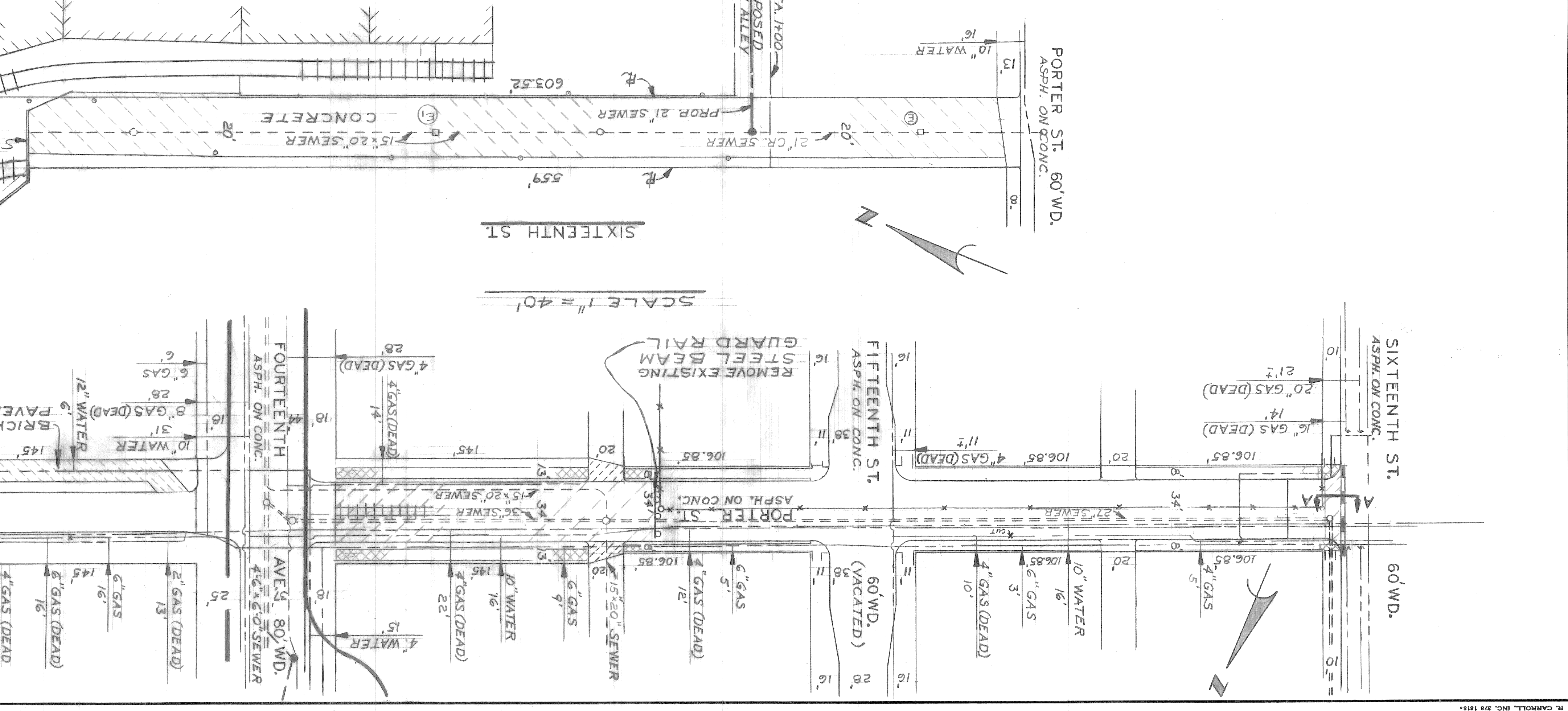
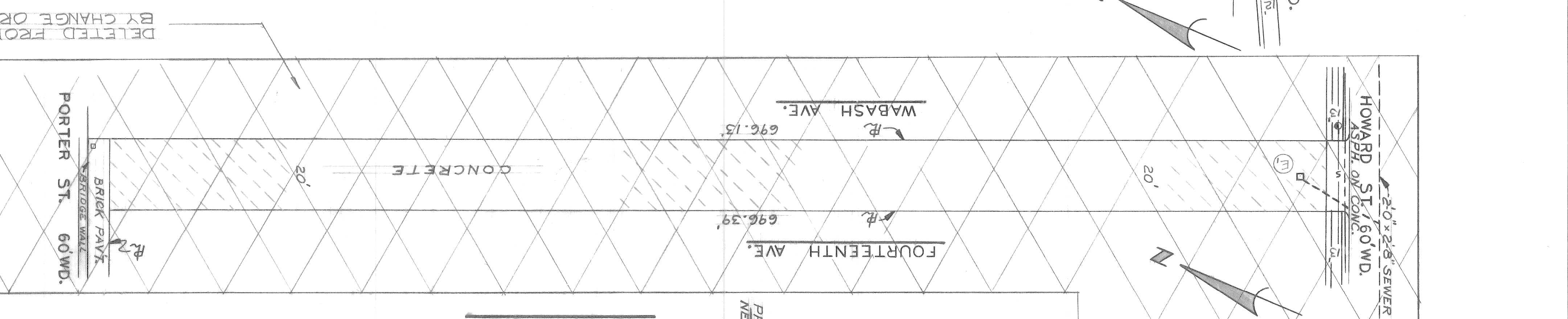
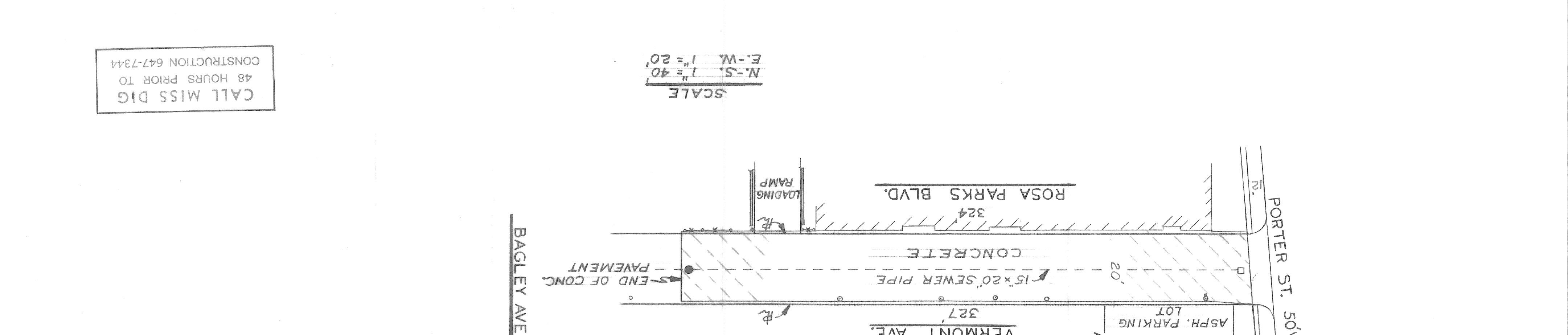
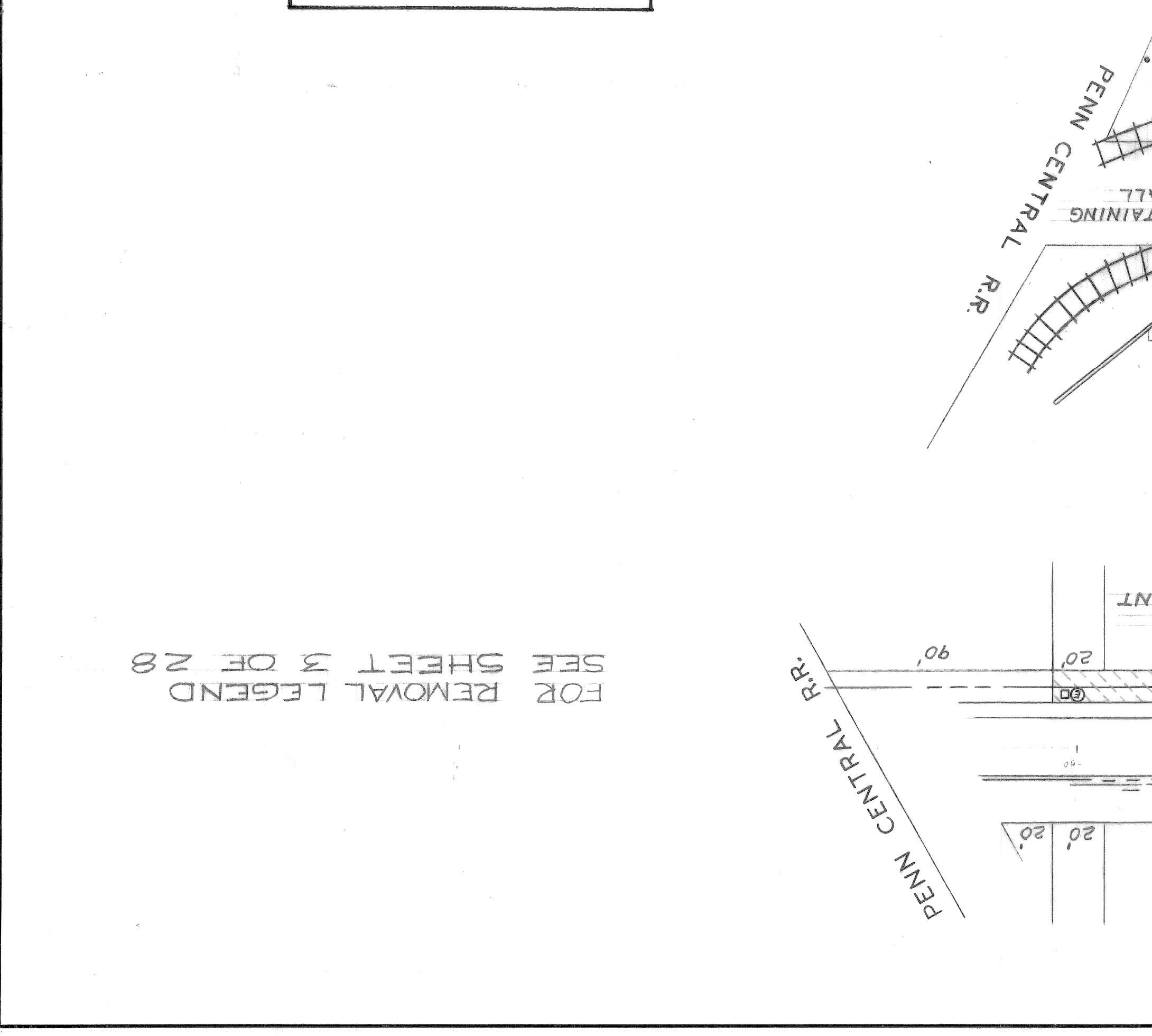
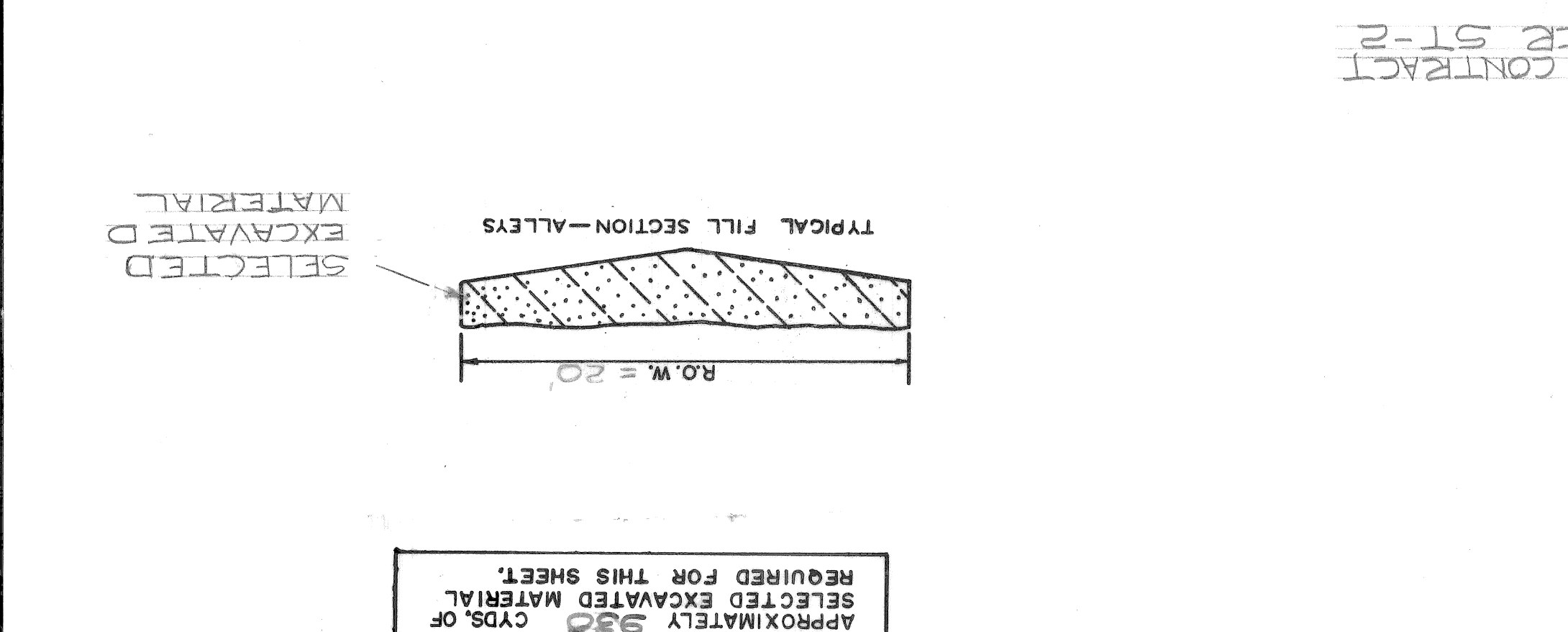
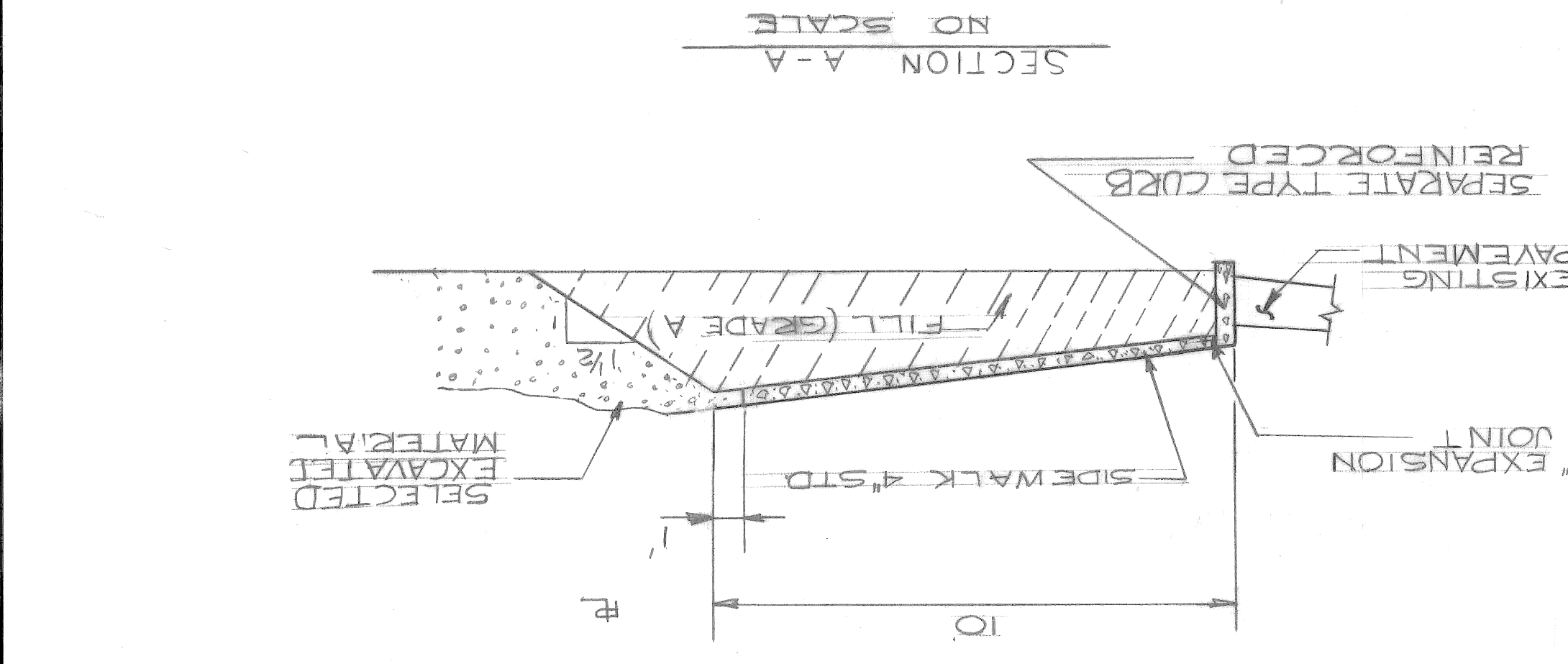
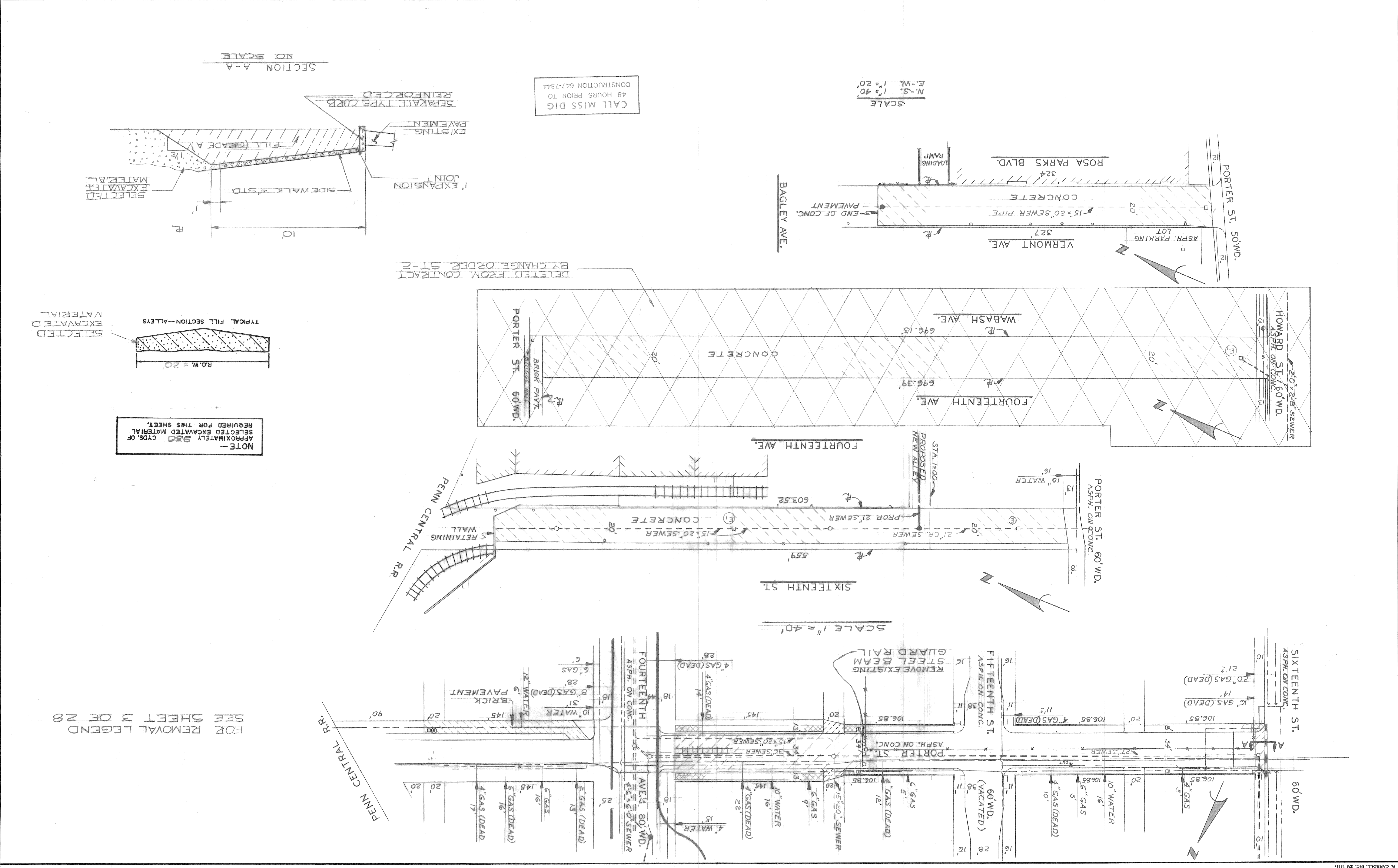
REVISIONS LOCATED BY COORDINATES ON SHEET COORD. DESCRIPTION DELETED PORTION WABASH REMOVAL APP'D NEW M.P. OF VERMONT R.R. NUM. DATE R.R. NUM. DATE DRN. C.D. DATE		CHECKED BY ESTIMATED DRAWN BY DESIGNED BY REFERENCE	APPROVED: ENGINEER OF STREETS CITY OF DETROIT	COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT FOR BUREAUS OF STREETS AND HIGHWAYS CITY ENGINEERING DIVISION - E.P.M.D.	UTILITY AND REMOVAL SHEET WEST SIDE INDUSTRIAL CONSTRUCTION PROJECT NO. 2 PAVING OF FOURTEENTH, HOWARD, VERMONT, AND MISCELLANEOUS CONSTRUCTION SHEET 3 OF 28 SHEETS CONTRACT PW6605 ASSIGNMENT NO. DATE JUNE 12, 1979
--	--	---	---	---	---



- REMOVAL LEGEND**
- STREET PAVEMENT REMOVAL (UNREINFORCED)
 - ALLEY PAVEMENT REMOVAL
 - DRIVEWAY REMOVAL
 - SIDEWALK REMOVAL
 - STREET PAVEMENT REMOVAL (REINFORCED)
 - STREET CAR RAIL REMOVAL
 - SEPARATE TYPE CURB REINFORCED
 - CATCH BASIN - ABANDONMENT
 - CATCH BASIN - SPECIAL ABANDONMENT
 - CHAIN LINK FENCE REMOVAL
- NOTES**
- BEFORE STARTING CONSTRUCTION THE CONTRACTOR MUST CHECK WITH UTILITIES WHETHER OR NOT INDICATED ON PLANS FOR LOCATIONS OF EXISTING STRUCTURES

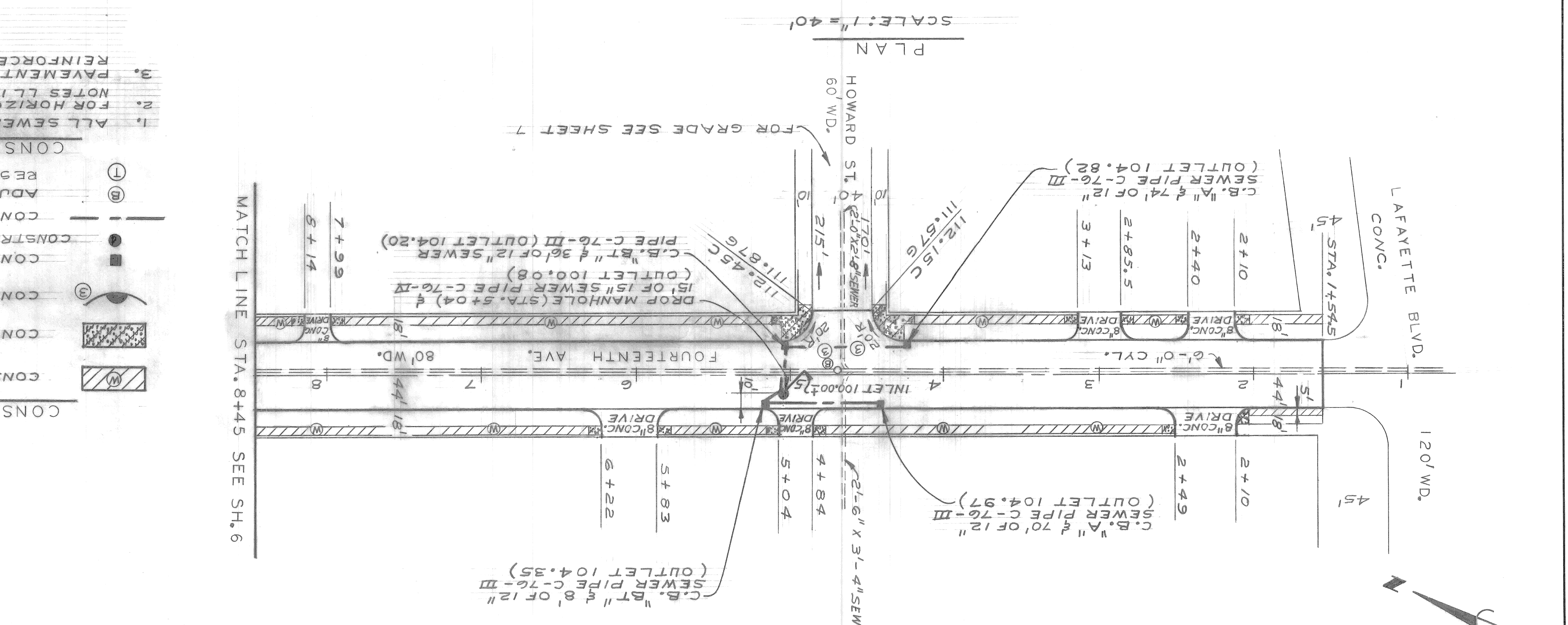
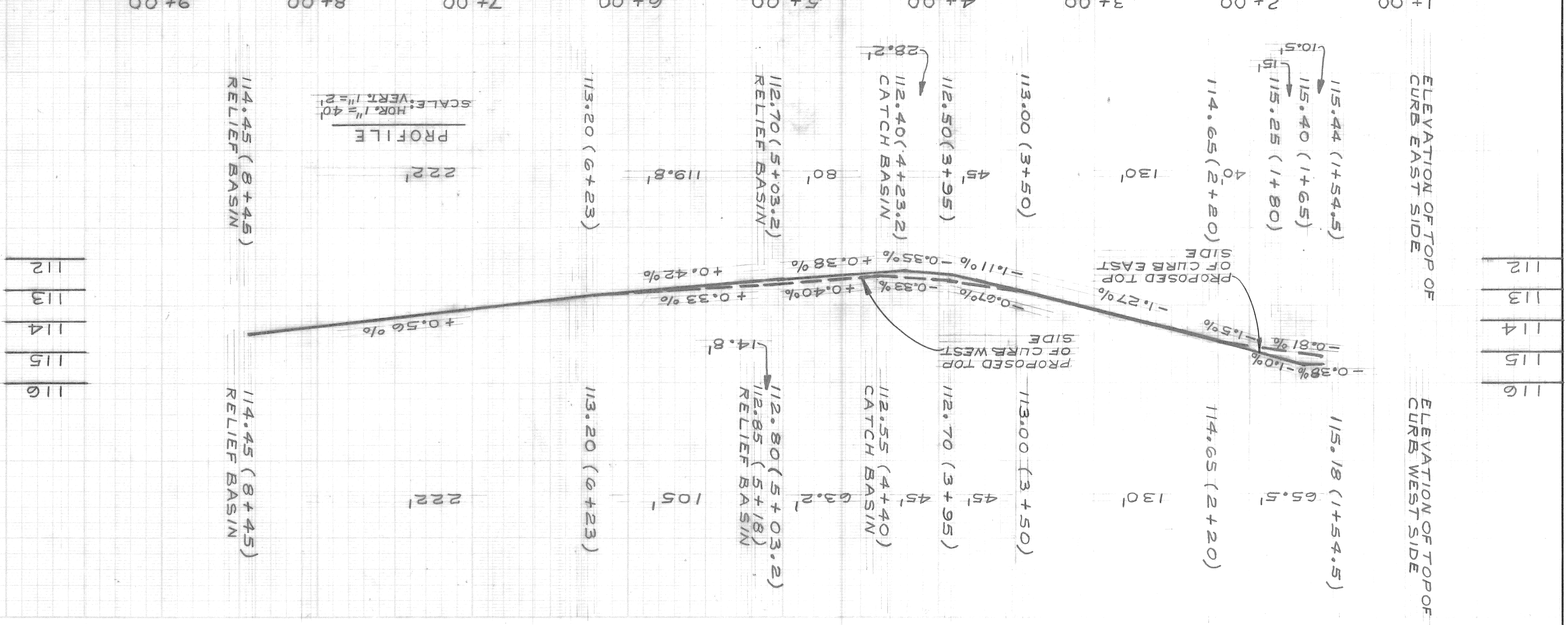


DATE: JUNE 12, 1979		ASSIGNMENT NO. 78-14-03		CONTRACT NO. PW 6605		SHEET 4 OF 28 SHEETS	
PAVING OF FOURTEENTH HOWARD VERMONT AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2				UTILITY AND REMOVAL SHEET			
CITY OF DETROIT ENGINEERING DIVISION - E.P.M.D. BUREAUS OF STREETS AND HIGHWAYS				COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT			
APPROVED: <i>Thomas G. ...</i>		DESIGNED BY: <i>...</i>		DRAWN BY: <i>...</i>		CHECKED BY: <i>...</i>	
REVISIONS LOCATED BY COORDINATES ON SHEET		DESCRIPTION		DATE		BY	
177		DELETED REMOVAL ALLEY		1/18		...	
178		WABASH HOWARD FORBES		1/18		...	



Sewer Approved
 A. D. W. J.
 2/5/79

DATE JUNE 12, 1979		INDEXED		ASSIGNMENT NO. 78-14-03	
SHEET 5 OF 28 SHEETS		CONTRACT NO. PW6605		CONTRACT NO. PW6605	
42		42		18	
PAVING OF FOURTEENTH, HOWARD, VERMONT, AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2		STREET PAVING PLAN		COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT	
CITY OF DETROIT		ENGINEERING DIVISION E.P.M.D.		BUREAUS OF STREETS AND HIGHWAYS	
APPROVED BY: [Signature]		CHECKED BY: [Signature]		ESTIMATE: [Signature]	
PLAN: [Signature]		GRADE: [Signature]		FINAL: [Signature]	
REVISIONS		DESCRIPTION		BRN. GR. D. APR. DATE	



SCALE: 1" = 40'

PLAN

FOR GRADE SEE SHEET 7

CONSTRUCTION NOTES:

- ALL SEWERS ARE ON A 0.5% SLOPE UNLESS OTHERWISE NOTED.
- FOR HORIZONTAL CONTROL FOR FOURTEENTH AVE. SEE FIELD NOTES L.I. 18A(13) PAGE # 19.
- PAVEMENT TO BE 9" UNIFORM REINFORCED CONCRETE WITH REINFORCED INTEGRAL CURB UNLESS OTHERWISE NOTED.

CONSTRUCTION LEGEND

CONSTRUCT 4" - STANDARD SIDEWALK

CONSTRUCT 6" - STANDARD SIDEWALK

CONSTRUCT SIDEWALK RAMP TYPE III

CONSTRUCT CATCH BASIN OR SPECIAL INLET

CONSTRUCT SEWER MANHOLE OR "BT" BASIN WITH MANHOLE COVER

CONSTRUCT SEWER LINE

ADJUST EXISTING MANHOLE (A) RESET MANHOLE (B)

CONSTRUCTION NOTES:

1. ALL SEWERS ARE ON A 0.5% SLOPE UNLESS OTHERWISE NOTED.

2. FOR HORIZONTAL CONTROL FOR FOURTEENTH AVE. SEE FIELD NOTES L.I. 18A(13) PAGE # 19.

3. PAVEMENT TO BE 9" UNIFORM REINFORCED CONCRETE WITH REINFORCED INTEGRAL CURB UNLESS OTHERWISE NOTED.

BENCH MARKS

ELEV.

P.B.M. #19-254 S.E. COR. 18TH & NEWARK
 EL. 103.347R

F.B.M. #19-254 S.W. COR. NEWARK & 10TH
 EL. 111.882R

C.B.M. #14TH HYD. AT STA. 14+12
 EL. 119.14

C.B.M. #14TH HYD. AT STA. 6+49.5
 EL. 117.23

C.B.M. # HYD. N.E. COR. 14TH & HOWARD
 EL. 115.88

NOTE - FOR SYMBOLS (A) ETC. SEE STANDARD DETAIL DRAWING NO. C-173

CONTRACTOR: [Signature]

DATE: 9-78

LEVEL: L.I. 18A(13)

NO. 9-78

SCALE: HORIZONTAL

SCALE: VERTICAL

BOOK: L.I. 18A(13)

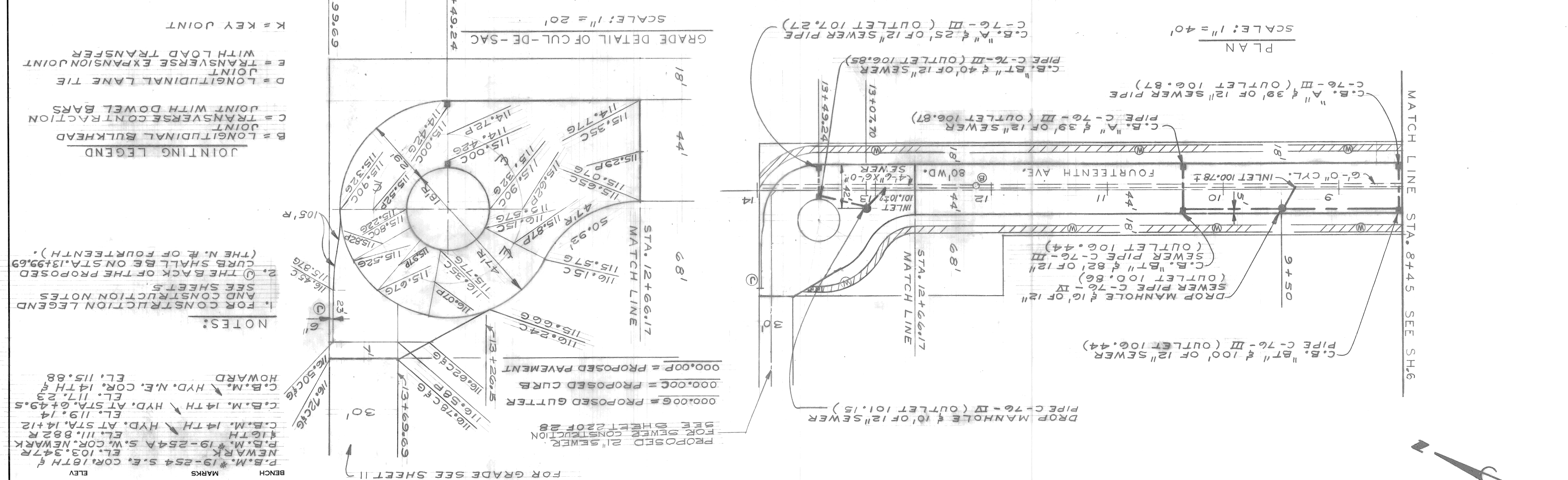
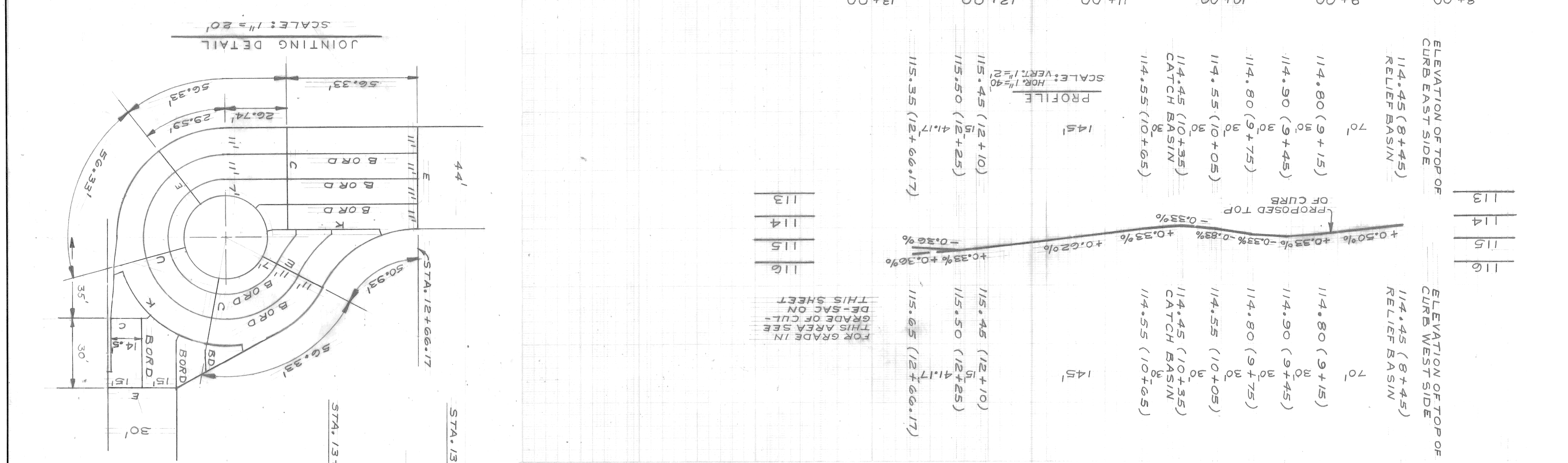
DATE: 9-78

LEVEL: 9-78

Sewer Approved
[Signature]
 8/15/79

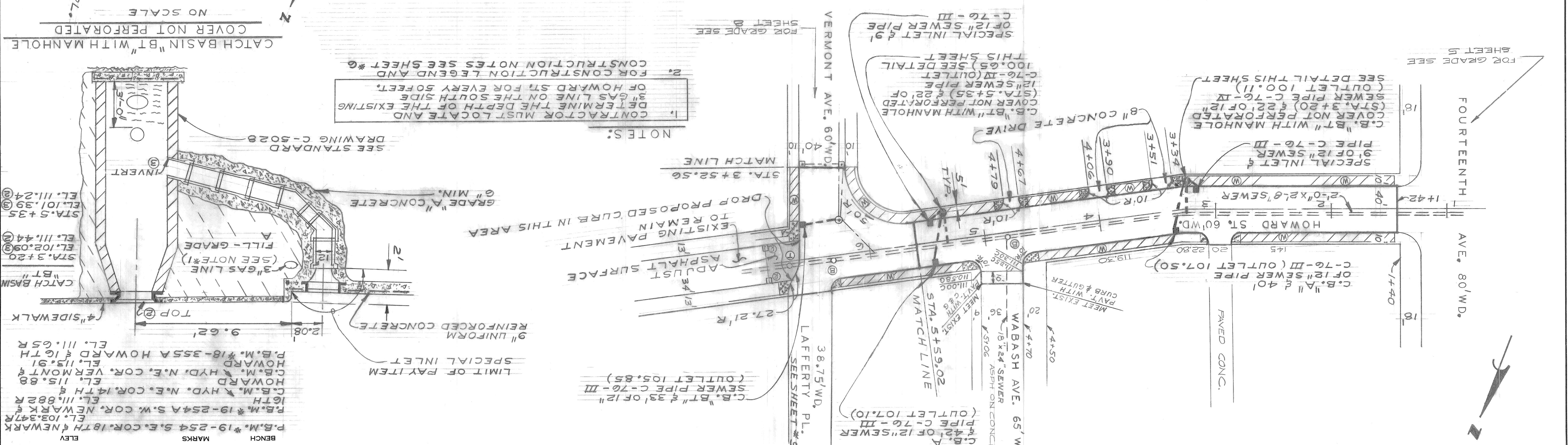
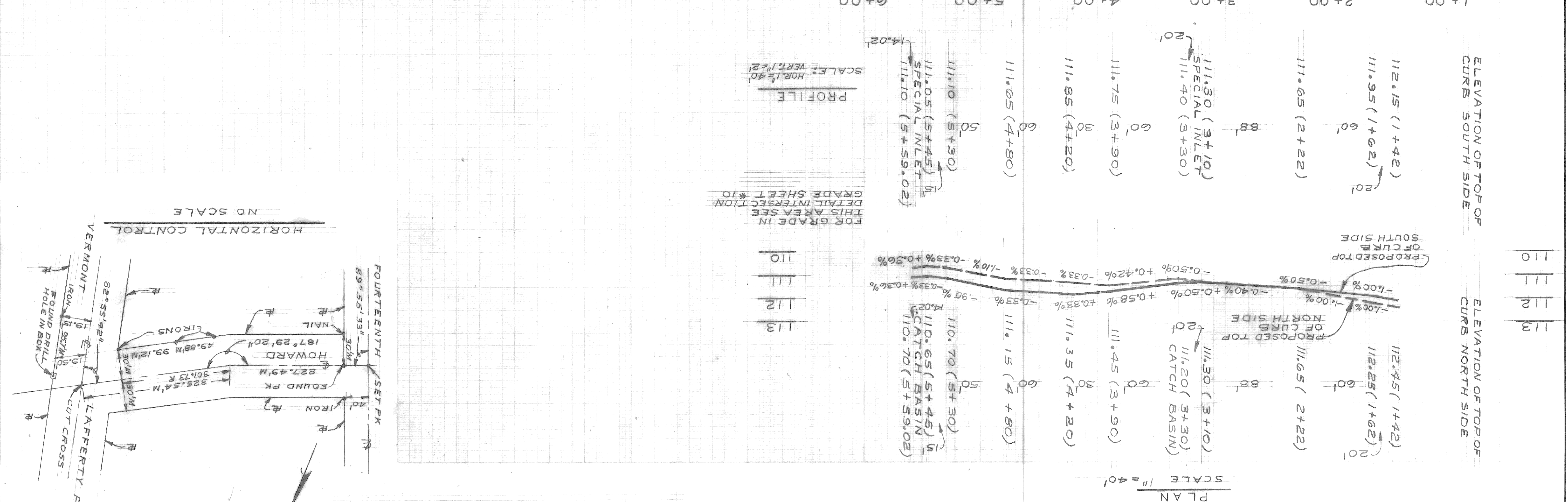
DATE: JUNE 12, 1979		INDEXED NO. 78-14-03		CONTRACT NO. PW 6605		SHEET 6 OF 28 SHEETS	
STREET PAVING PLAN				AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2			
CITY OF DETROIT				ENGINEERING DIVISION E.P.M.D.			
BUREAU OF STREETS AND HIGHWAYS				COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT			

REVISIONS	DESCRIPTION	DATE	BY
1	JOINTING DETAIL & ALLEY RETURN REVISED	JULY 6, 79	JONES
2	WIDEN ALLEY FROM 20' TO 30'	JULY 6, 79	JONES
3	PAV'T THICKNESS CHANGED FROM 8" UNIFORM TO 4" UNIFORM REINFORCED TUNNOUND TO ALLEY	JULY 6, 79	JONES
4	FINAL		



Sewer Approved
[Signature]
 2/5/79

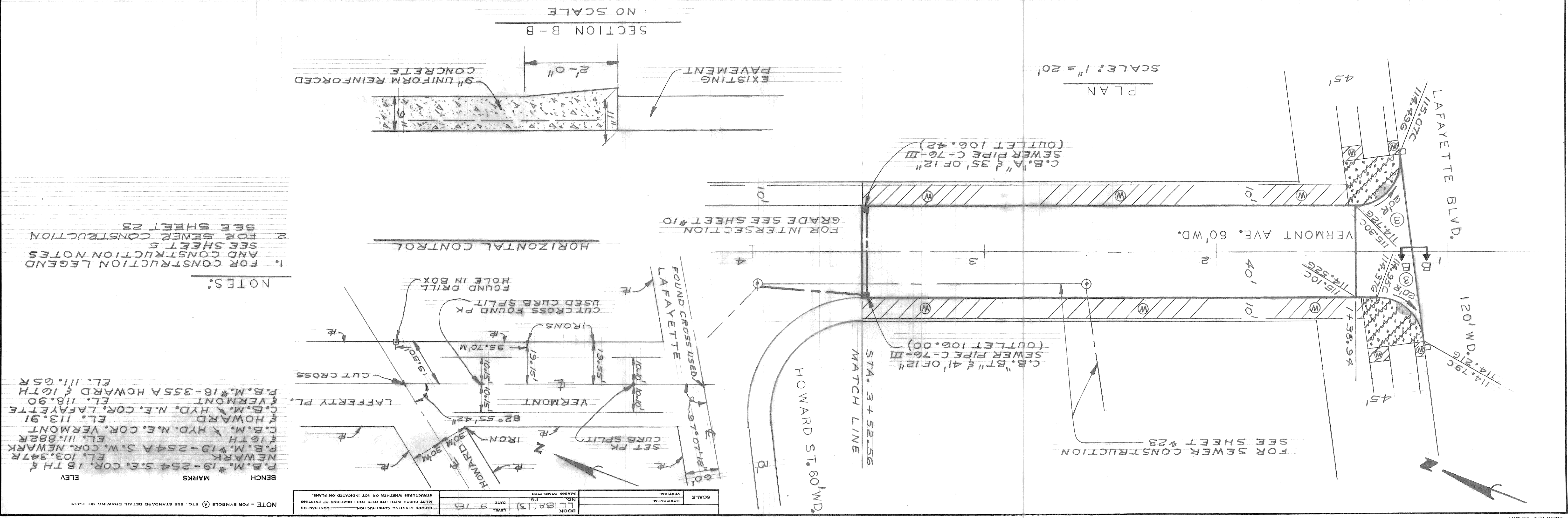
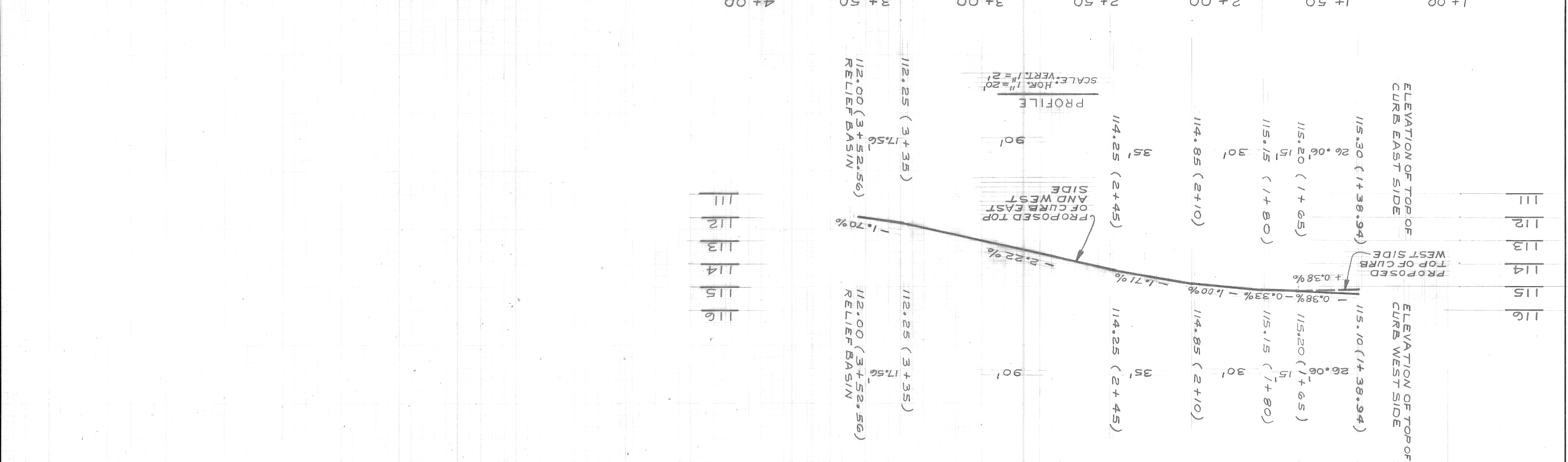
DATE JUNE 12, 1979	INDEX NO. 42	CONTRACT NO. PW 6605	ASSIGNMENT NO. 78-14-03
NO. 18	NO. 42	NO. PW 6605	NO. 78-14-03
NO. 18	NO. 42	NO. PW 6605	NO. 78-14-03
NO. 18	NO. 42	NO. PW 6605	NO. 78-14-03



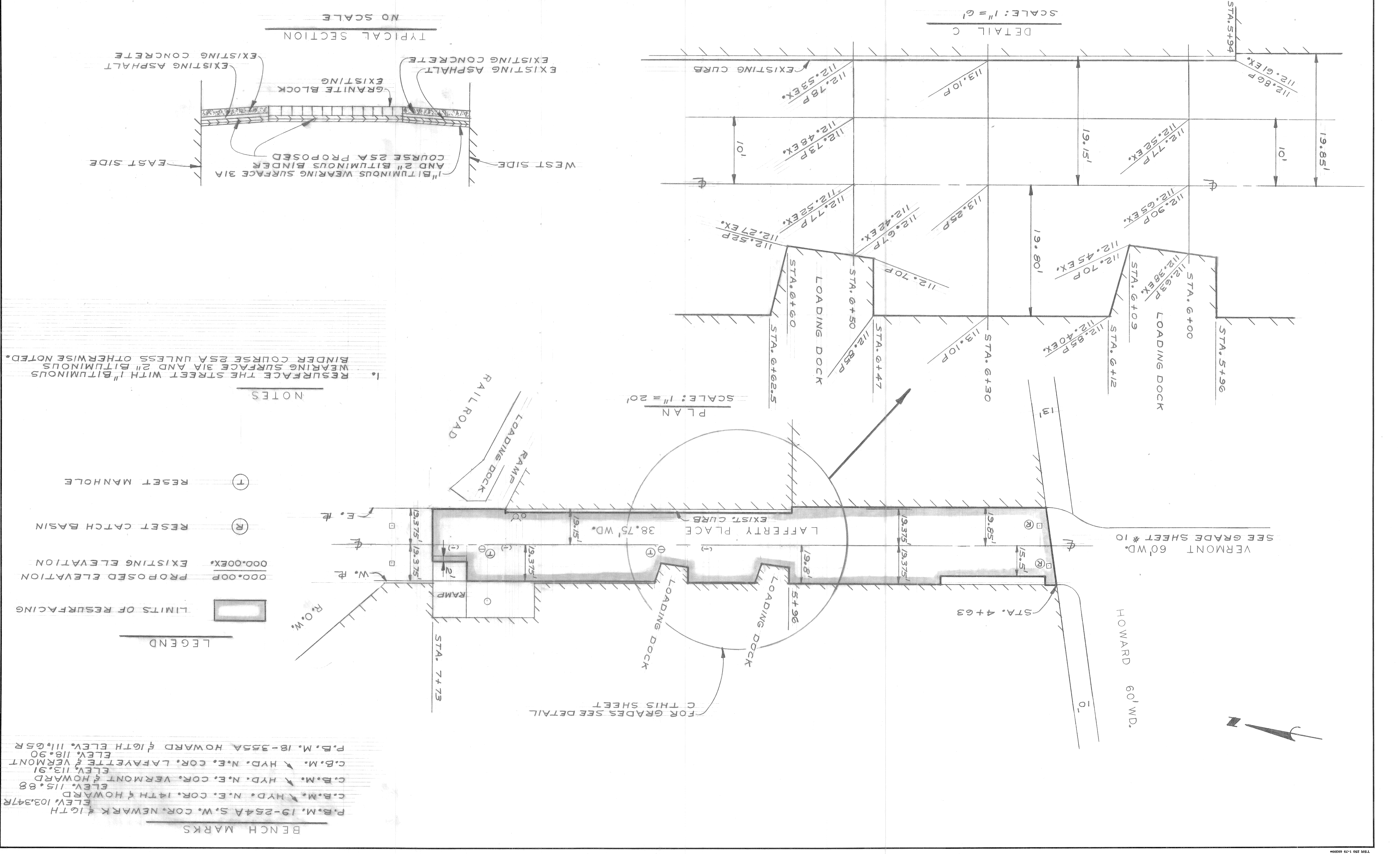
BOOK 118 A (13)	DATE 9-78	LEVEL
NO. 118 A (13)	DATE 9-78	LEVEL
NO. 118 A (13)	DATE 9-78	LEVEL
NO. 118 A (13)	DATE 9-78	LEVEL

Sewer Approved
3/27/79
[Signature]

DATE JUN 12, 1979		INDEXED NO. 78-14-03		ASSIGNMENT NO. PW 6605		CONTRACT NO. PW 6605		SHEET 8 OF 28 SHEETS	
NO. 42		NO. 18		NO. 18		NO. 18		NO. 18	
PAVING OF FOURTEENTH, HOWARD, VERMONT, AND MISCELLANEOUS CONSTRUCTION, WEST SIDE INDUSTRIAL PROJECT NO. 2		STREET PAVING PLAN		COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT		CITY OF DETROIT		CITY ENGINEERING DIVISION E.P.M.D.	
BUREAUS OF STREETS AND HIGHWAYS		FOR		ENGINEER OF STREETS		APPROVED BY: [Signature]		CHECKED BY: [Signature]	
PLAN		GRADE		ESTIMATE		FINAL		REVISIONS	

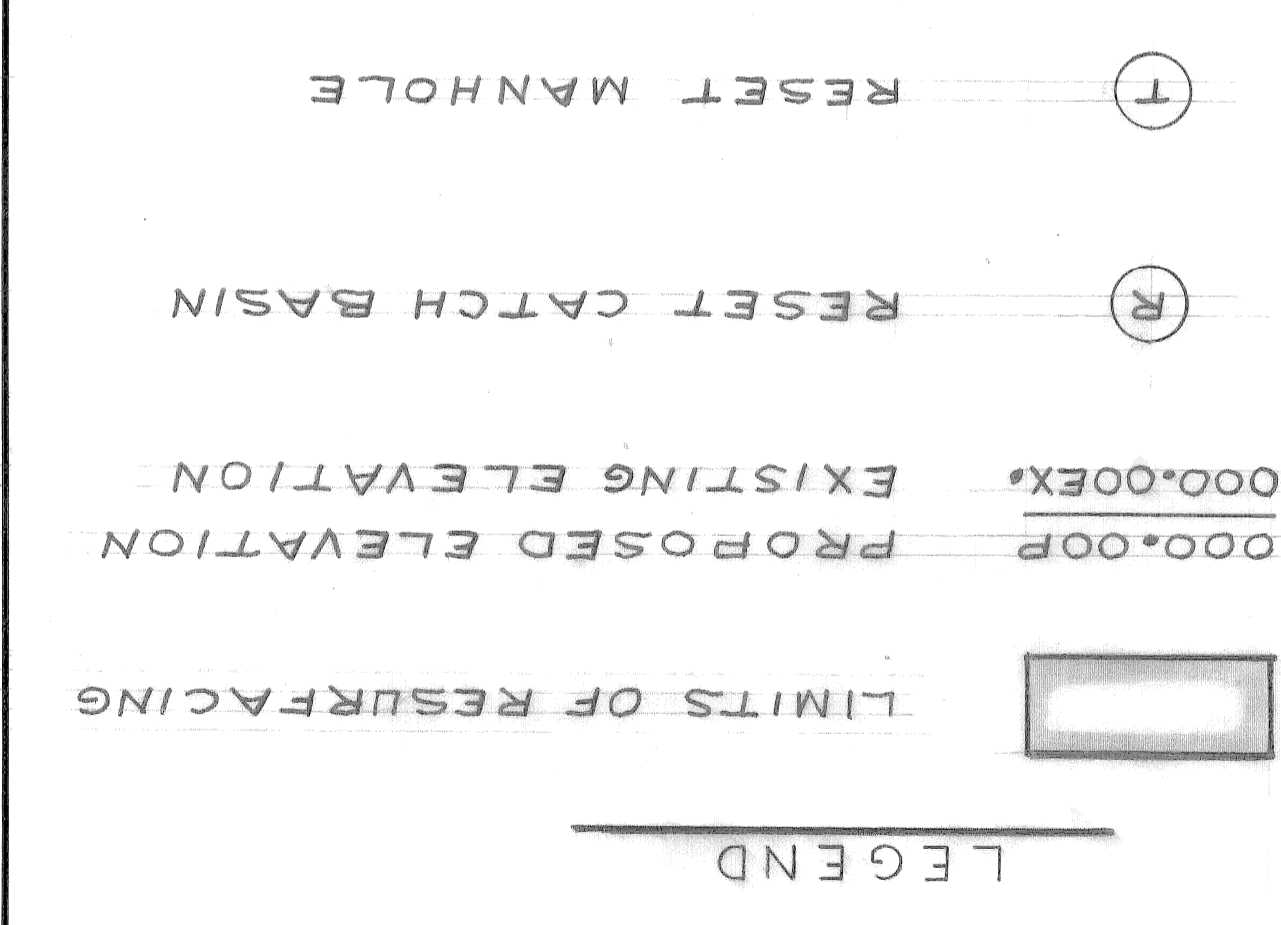


DATE: JUNE 12, 1979	STREET RESURFACING PLAN	COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT	APPROVED: <i>Norm G. Kowalski</i>	DESIGNED BY: <i>Norm G. Kowalski</i>	ENGINEER OF STREETS	REVISIONS LOCATED BY COORDINATES ON SHEET
ASSIGNMENT NO. 78-14-03	PAVING OF FOURTEENTH, HOWARD, VERMONT, AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2	CITY ENGINEERING DIVISION - E.P.M.D.	DRAWN BY: JONES	ESTIMATE	BUREAU OF STREETS AND HIGHWAYS	COORD. DESCRIPTION
CONTRACT NO. PW 6605						
SHEET 9 OF 28 SHEETS						



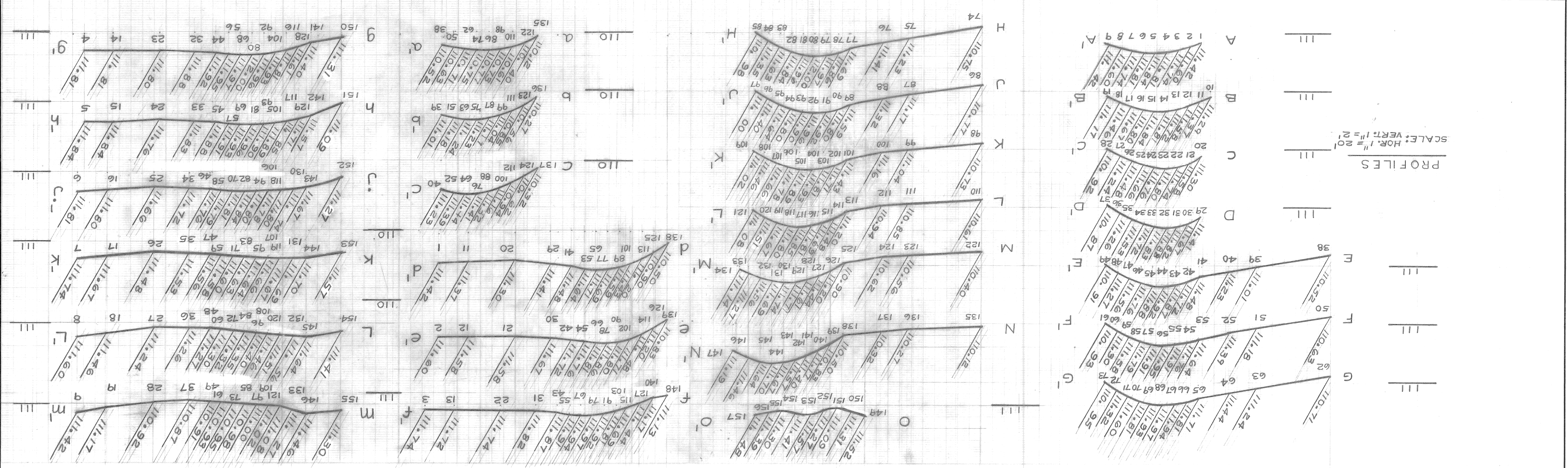
BENCH MARKS
 P.B.M. 19-254A S.W. COR. NEWARK & 16TH ELEV. 103.347R
 C.B.M. N.E. COR. 14TH & HOWARD ELEV. 115.88
 C.B.M. N.E. COR. VERMONT & HOWARD ELEV. 113.91
 C.B.M. HYD. N.E. COR. LAVAYETTE & VERMONT ELEV. 118.90
 P.B.M. 18-355A HOWARD & 16TH ELEV. 111.65R

- NOTES
- RESURFACE THE STREET WITH 1" BITUMINOUS WEARING SURFACE 31A AND 2" BITUMINOUS BINDER COURSE 25A UNLESS OTHERWISE NOTED.

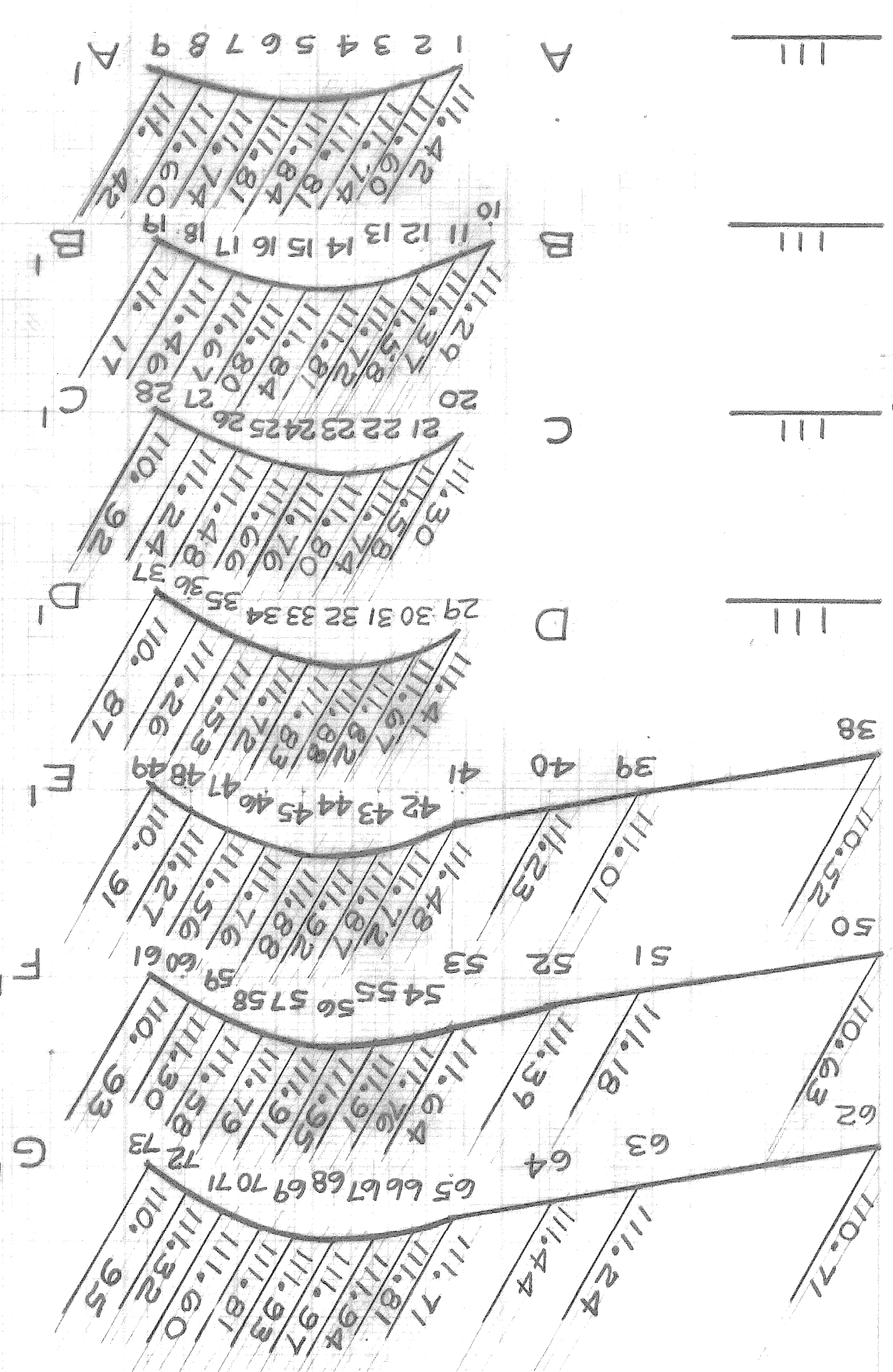


Sewer Approved
3/12/79
R. Brown

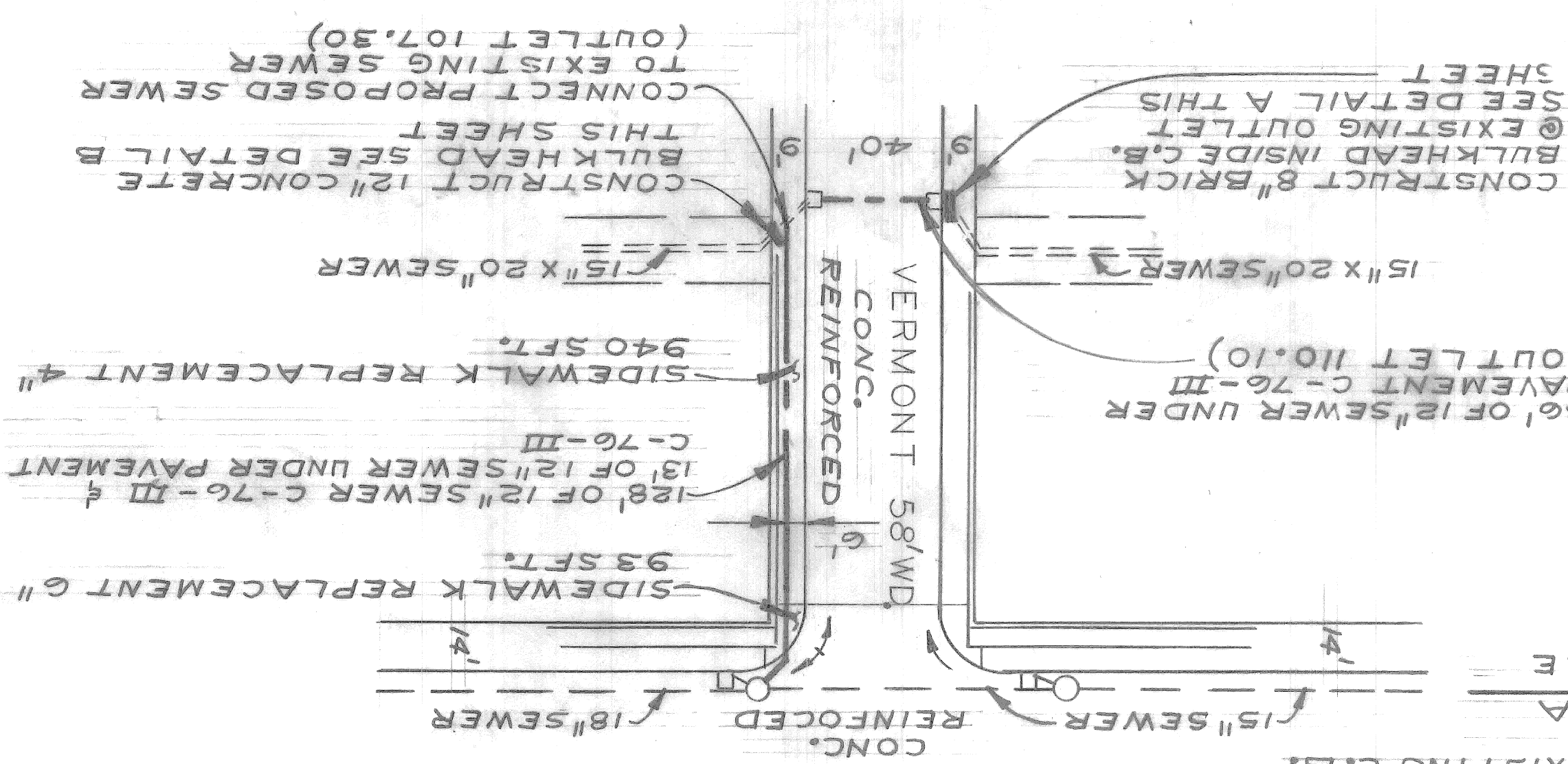
DATE JUNE 12, 1979	ASSIGNMENT NO. 18	CONTRACT NO. PW6605	SHEET 10 OF 28 SHEETS
STREET PAVING DETAIL			
CITY OF DETROIT COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT FOR BUREAU OF STREETS AND HIGHWAYS CITY ENGINEERING DIVISION E.P.M.D.			
APPROVED BY: [Signature]	CHECKED BY: [Signature]	BY: JONES	ESTIMATE: LISTON
ENGINEER OF STREETS	GRADE	PLAN	REVISIONS



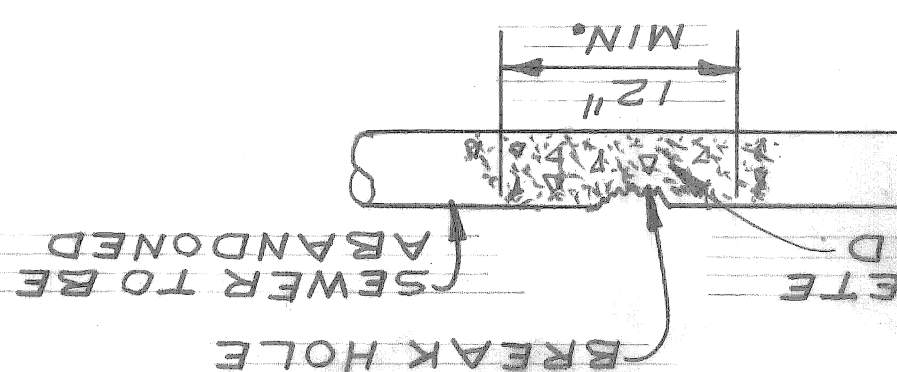
PROFILES
SCALE: HOR. 1" = 20'
VERT. 1" = 2'



DRAINAGE DETAIL FOR VERMONT AND BAGLEY
SCALE: 1" = 40'



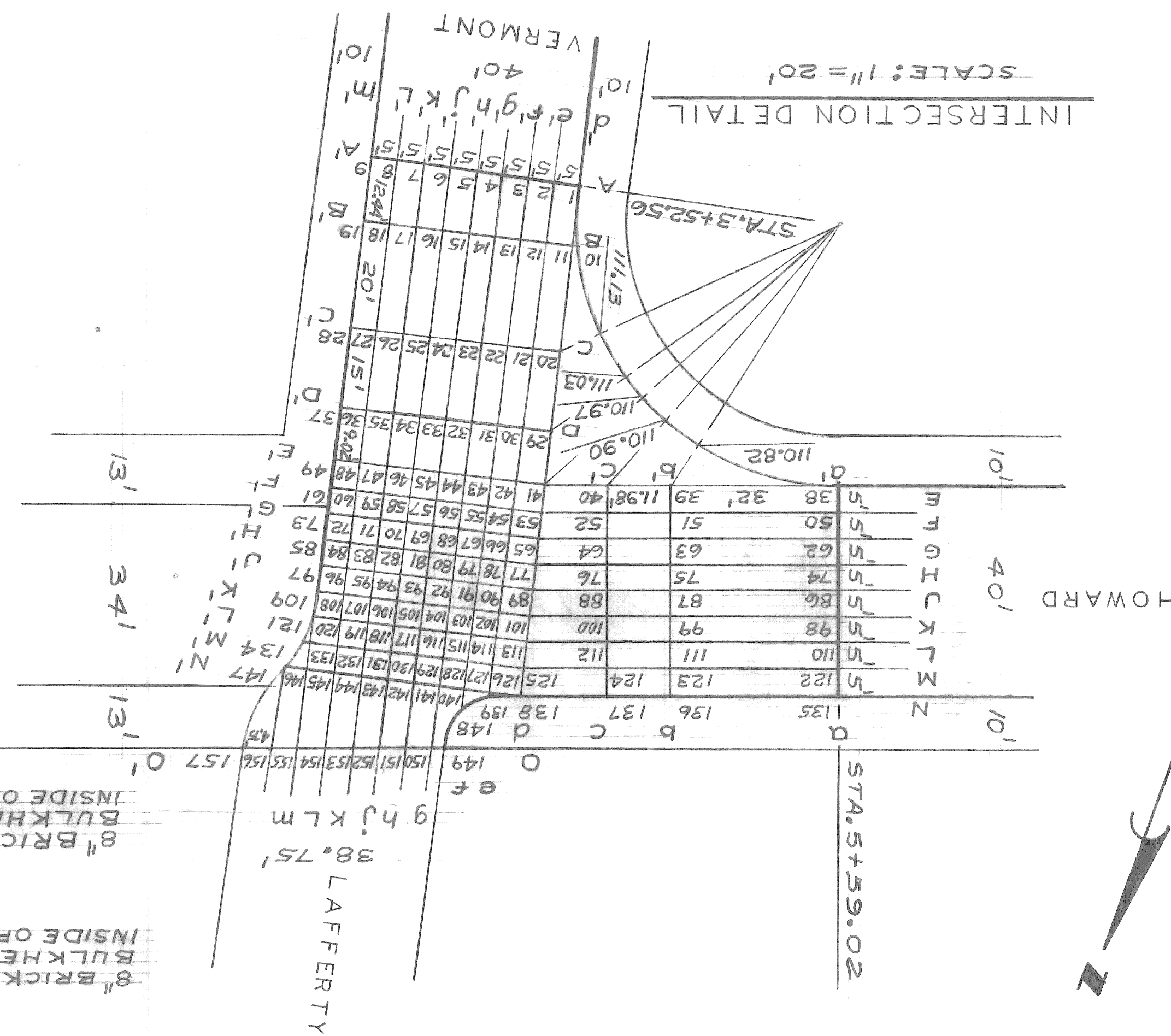
DETAIL B
NO SCALE



- NOTES
1. THE CONSTRUCTION OF TWO 8" BRICK BULKHEADS INSIDE THE CATCH BASIN SHALL BE PAID FOR AS REBUILD SPECIAL.
 2. THE CONSTRUCTION OF THE 12" CONCRETE BULKHEAD IN THE EXISTING 12" SEWER LINE SHALL BE PAID FOR AS REBUILD SPECIAL CATCH BASIN.

MARKS

BENCH	ELEV
P.B.M. #19-254 S.E. COR. 18TH & NEWARK	EL. 103.347R
P.B.M. #19-254A S.W. COR. NEWARK & 16TH	EL. 111.882R
C.B.M. # HYD. N.E. COR. 14TH & HOWARD	EL. 115.88
C.B.M. # HYD. N.E. COR. VERMONT & HOWARD	EL. 113.91
C.B.M. # HYD. N.E. COR. LAFAYETTE & VERMONT	EL. 118.90
P.B.M. #18-355A HOWARD & 16TH	EL. 111.65R



BOOK NO. L184(13)	DATE 9-78	SCALE: HORIZONTAL 1" = 40'
NOTE - FOR SYMBOLS ETC. SEE STANDARD DETAIL DRAWING NO. C-117		
CONTRACTOR MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLANS.		
BEFORE STARTING CONSTRUCTION		

Sewer Approved
3/22/79
C. Brown

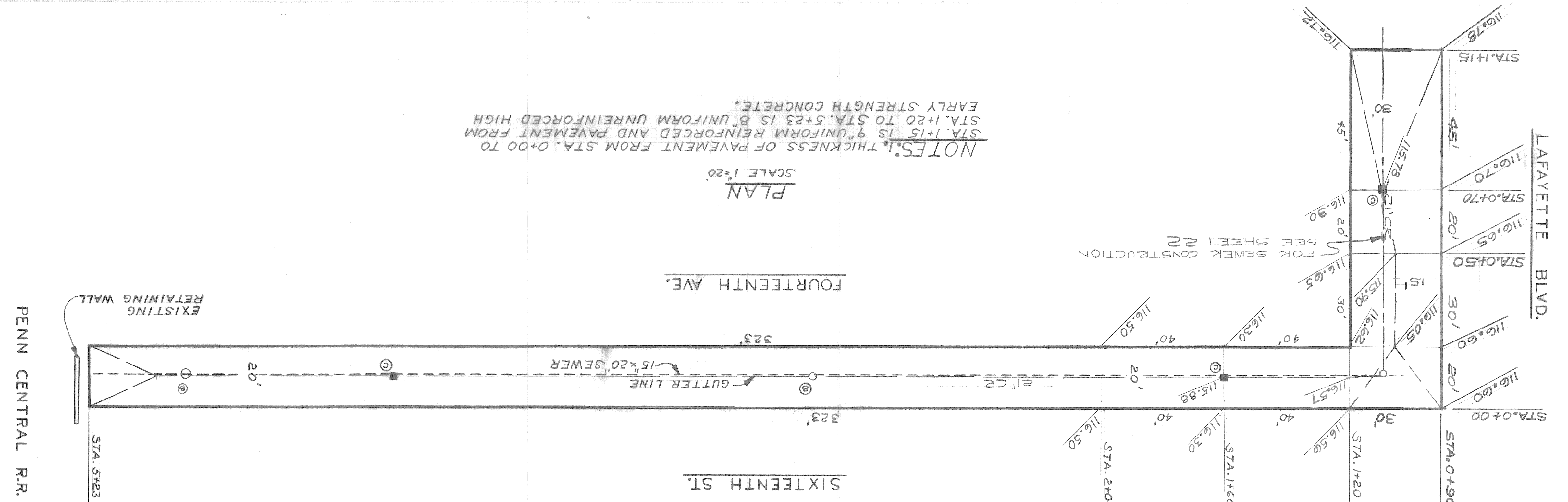
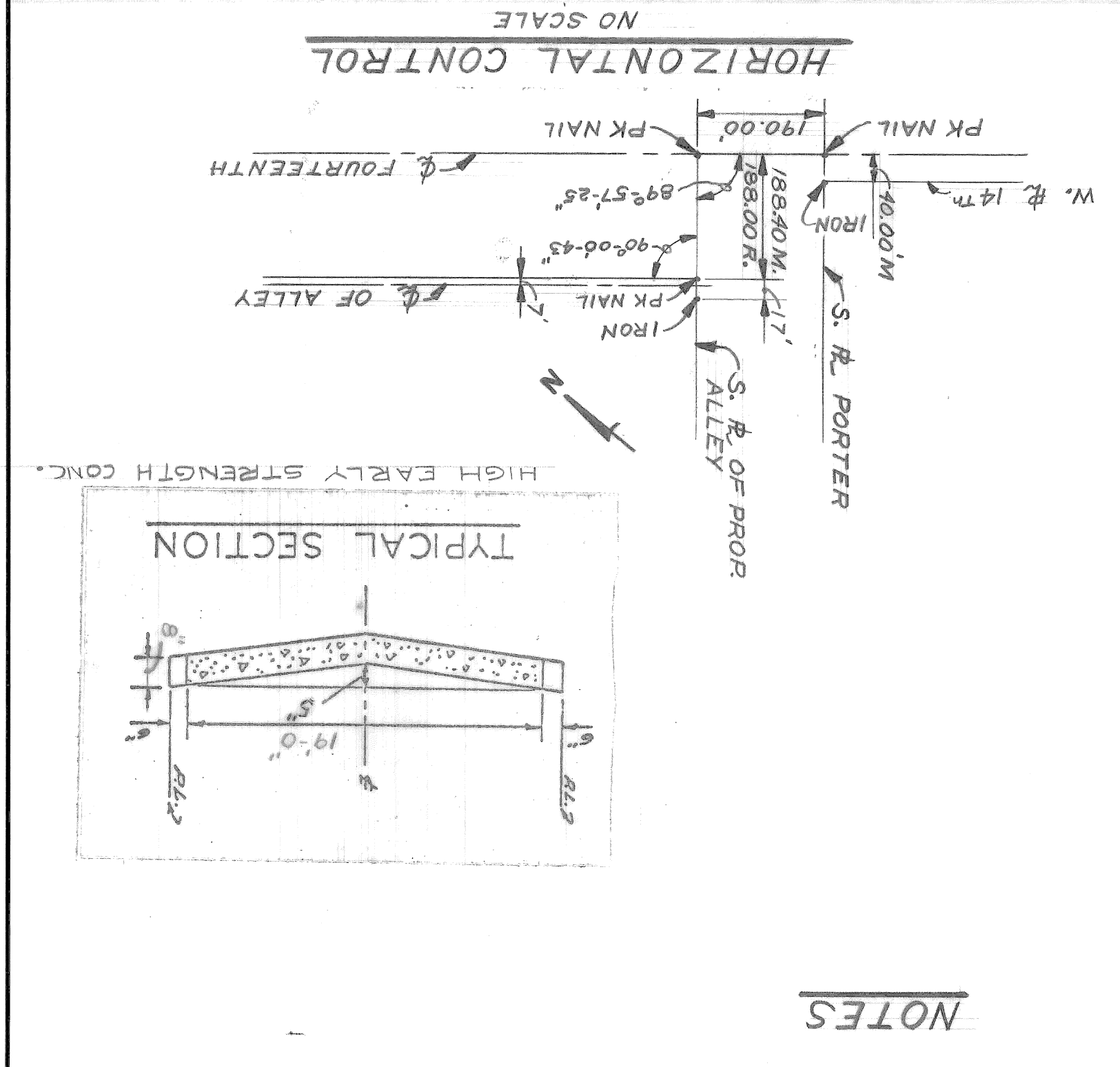
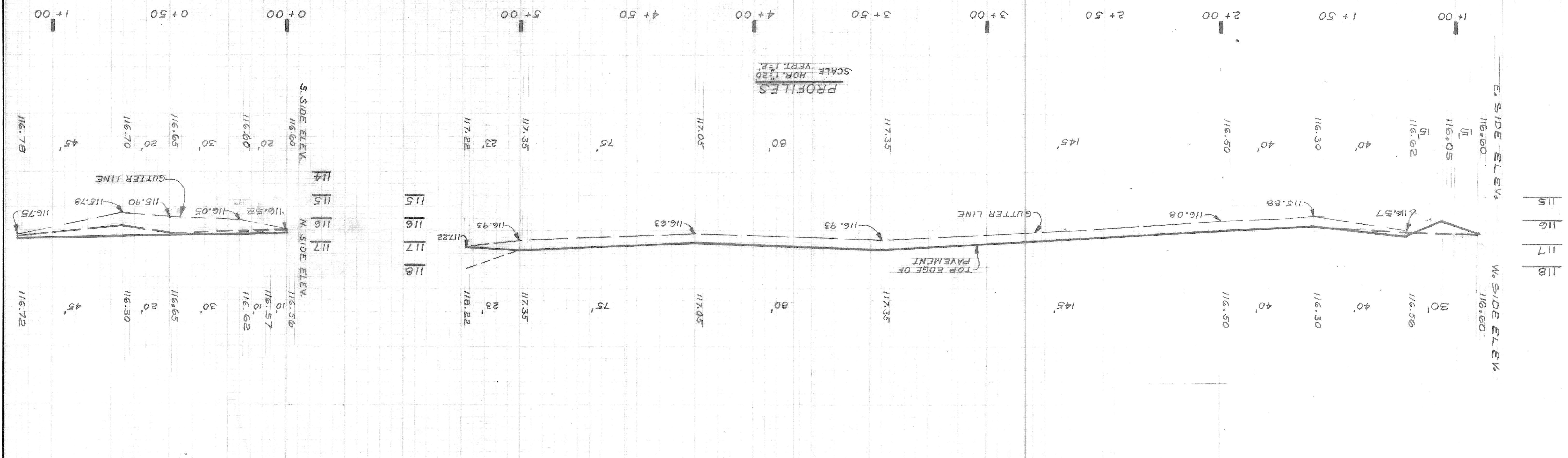
REVISIONS	
NO.	DESCRIPTION
1	WIDEN ALLEY FROM 20' TO 30'
2	GRADE REVISED E.W. ALLEY STA. 0+00 TO STA. 1+00 & N.S. ALLEY HOO TO STA. 2+00
3	ADDED NOTE TO PLAN RE: PAV'THICKNESS

APPROVED BY: <i>M. G. Kowalski</i>	CHECKED BY: R. Rosik
ENGINEER OF STREETS	ESTIMATE
PLAN	GRADE
BY	DATE
DATE	DATE

CITY OF DETROIT
CITY ENGINEERING DEPARTMENT
BUREAUS OF STREETS AND HIGHWAYS
FOR
COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT

PAVING OF FOURTEENTH HOWARD VERMONT
AND MISCELLANEOUS CONSTRUCTION
WEST SIDE INDUSTRIAL PROJECT NO. 2
ALLEY BOUNDED BY
WEST SIXTEENTH
EAST FOURTEENTH
SOUTH LAFAYETTE
NORTH PENN CENTRAL

DATE JUNE 12, 1979	INDEX
NO. 78-14-03	NO. 18
ASSIGNMENT	NO. 42
CONTRACT	NO. 13
NO. PW 6605	NO. 11
SHEET 11 OF 28	SHEETS



NOTES:
1. THICKNESS OF PAVEMENT FROM STA. 0+00 TO STA. 1+15 IS 9" UNIFORM REINFORCED AND PAVEMENT FROM STA. 1+20 TO STA. 5+23 IS 8" UNIFORM UNREINFORCED HIGH EARLY STRENGTH CONCRETE.

LEGEND

⊙ ADJUST EXISTING MANHOLE
⊙ CONSTRUCT CATCH BASIN 18"x12" SPECIAL "Y"

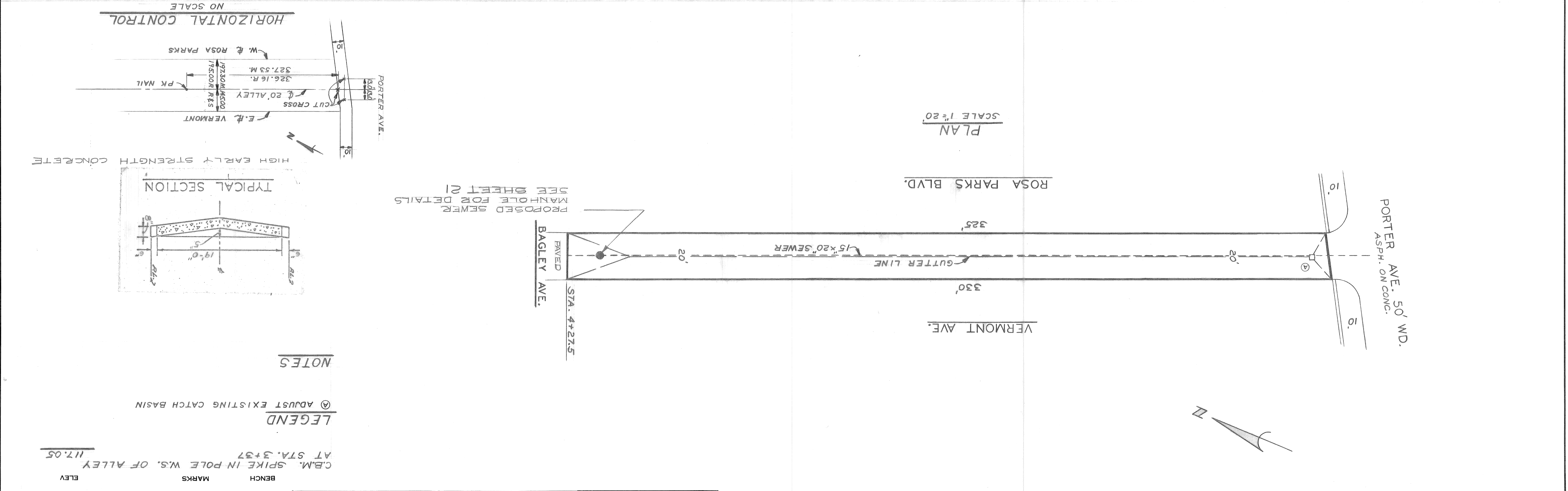
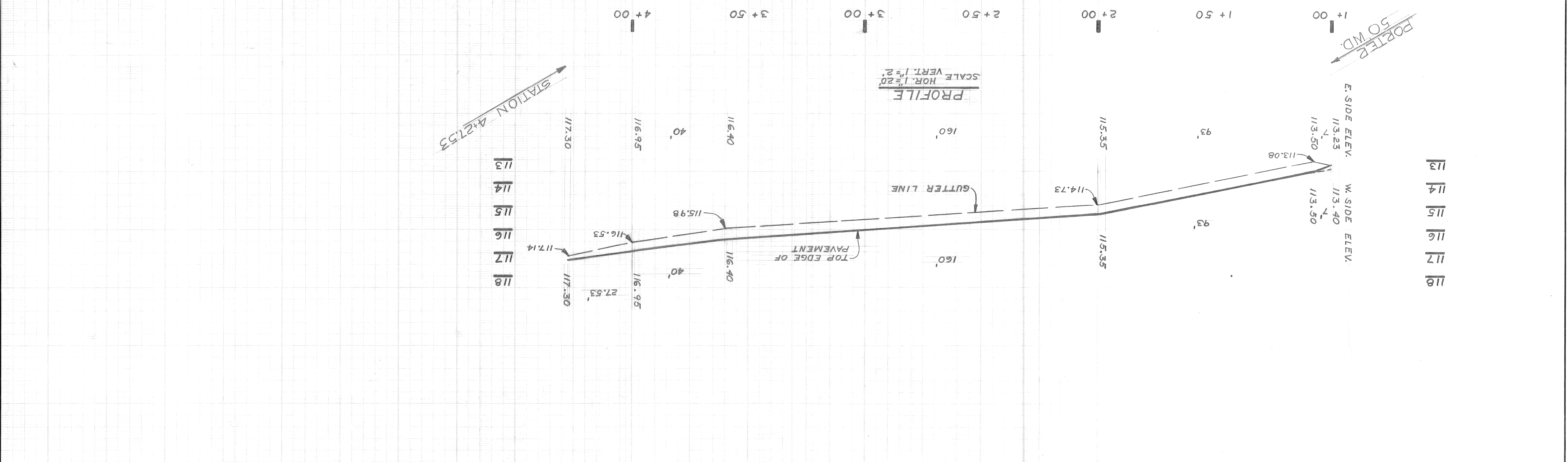
NOTES

BENCH MARKS
ELEV. 103.35R AND NEWARK
P.B.M. 19-254 S.E. COR. OF 18TH.
ELEV. 111.88R AND NEWARK
P.B.M. 19-254 A S.W. COR. OF NEWARK
AND 16TH.

SCALE: HORIZONTAL	DATE: 9-78
VERTICAL	LEVEL: 118A(13)
BOOK: 118A(13)	DATE: 9-78
NO. 118A(13)	DATE: 9-78
PAVING COMPLETED	DATE: 9-78
BEFORE STARTING CONSTRUCTION	DATE: 9-78
MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING	DATE: 9-78
STRUCTURES WHETHER OR NOT INDICATED ON PLAN.	DATE: 9-78
NOTE - FOR SYMBOLS (A) ETC. SEE STANDARD DETAIL DRAWING NO. C-173	DATE: 9-78

Sever Approved
3/27/79
A. O'Connell

DATE JUN 12 1979		NO. 78-14-03		ASSIGNMENT		NO. 18		CONTRACT NO. PW 6605		SHEET 12 OF 28 SHEETS	
PAVING OF FOURTEENTH HOWARD VERMONT AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2		ALLEY BOUNDED BY WEST VERMONT EAST ROSA PARKS SOUTH PORTER NORTH BAGLEY		CITY OF DETROIT ENGINEERING DEPARTMENT BUREAUS OF STREETS AND HIGHWAYS		COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT		FOR		REVISIONS	
PLAN	BY R Rosik	CHECKED BY	APPROVED BY	ENGINEER OF STREETS	ESTIMATE	GRADE	FINAL	DR. N. CK. D. AFD. DATE	DESCRIPTION	REVISIONS	



BOOK	NO. 18A (13)	DATE	9-78
LEVEL	9-78	CONTRACTOR	
NOTE - FOR SYMBOLS SEE STANDARD DETAIL DRAWING NO. C-171			
BENCH MARKS AT STA. 3+37			
C.B.M. SPIKE IN POLE W.S. OF ALLEY			
ELEV. 117.05			
LEGEND			
⊙ ADJUST EXISTING CATCH BASIN			
NOTES			
TYPICAL SECTION			
HIGH EARLY STRENGTH CONCRETE			
PORTER AVE. 50' WD. ASPH. ON CONC.			
VERMONT AVE.			
ROSA PARKS BLVD.			
BAGLEY AVE.			
PROPOSED SEWER MANHOLE FOR DETAILS SEE SHEET 21			
CUT CROSS			
E.R. VERMONT			
W.R. ROSA PARKS			
PK NAIL			
326.16 R.			
327.53 M.			
197.30 M. (4500)			
175.00 R. (835)			
NO SCALE			
HORIZONTAL CONTROL			
SCALE HORIZONTAL 1" = 20'			
SCALE VERTICAL 1" = 2'			
PAVING COMPLETED			
BEFORE STARTING CONSTRUCTION			
MUST CHECK WITH UTILITIES FOR LOCATIONS OF EXISTING STRUCTURES WHETHER OR NOT INDICATED ON PLAN.			

FOR PUBLIC LIGHTING DEPARTMENT QUANTITIES SEE SHEET 28 OF 28
 FOR LANDSCAPE QUANTITIES SEE SHEET 14 OF 28
 FOR WATER ALTERATIONS QUANTITIES SEE SHEET 15 OF 28
 FOR SEWER ALTERATIONS QUANTITIES SEE SHEET 21 OF 28

REFERENCE	DESIGNED BY JONES	APPROVE: <i>Tom R. Kowalski</i> ENGINEER OF STREETS
DRAWINGS	DRAWN BY	
TRACED BY	CHECKED BY	

CITY OF DETROIT
 ENGINEERING DIVISION - E.P.M.S.
 BUREAU OF STREETS AND HIGHWAYS
 FOR
 COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT

SHEET 13 OF 28 SHEETS	CONTRACT NO. PW 6605	ASSIGNMENT NO. 78-14-03	DATE JUNE 12, 1979
PAYING OF FOURTEENTH, HOWARD, VERMONT, AND MISCELLANEOUS CONSTRUCTION WEST SIDE INDUSTRIAL PROJECT NO. 2		QUANTITY SHEET	

ITEM NO.	DESCRIPTION OF ITEM	UNIT	SHEET #3	SHEET #4	SHEET #5	SHEET #6	SHEET #7	SHEET #8	SHEET #9	SHEET #10	SHEET #11	SHEET #12	TOTAL
1	EXCAVATION	CYDS											
2	STREET PAVEMENT REMOVAL-UNREINFORCED	SYDS	10,427	942	168	41							1980
3	STREET PAVEMENT REMOVAL-REINFORCED	SYDS	111										111
4	STREETCAR TRACK BASE REMOVAL	SYDS	496	144									640
5	STREETCAR RAIL REMOVAL	LFT	1339	390									1729
6	ALLEY PAVEMENT REMOVAL	SYDS	1095	3248									4343
7	SIDEWALK REMOVAL	SFT	18,655	1875									20,530
8	DRIVEWAY REMOVAL	SFT	10,447					7					10,447
9	NON-REINFORCED CONCRETE REMOVAL	CYDS											
10	LITTER REMOVAL	CYDS											
11	CHAIN LINK FENCE REMOVAL	LFT	65										65
12	TREE REMOVAL 13" - 18" DIA.	EACH	3										3
13	TREE REMOVAL 24" DIA.	EACH	4										4
14	TREE REMOVAL 30" DIA.	EACH	1										1
15	GRADING ABANDONED ALLEYS	SYDS	1095	1724									2819
16	GRADING ABANDONED STREETS	SYDS	152.6	1477									3003
17	FILL - (GRADE A)	CYDS		15	488	252	284	868					1907
18	FILL - (22A)	CYDS						35					35
19	SIDEWALK REPLACEMENT - 4"	SFT											940
20	SIDEWALK REPLACEMENT - 6"	SFT											93
21	STUMP REMOVAL	EACH		1									1
22	CATCH BASIN - ABANDONMENT	EACH	20	2									22
23	CATCH BASIN - SPECIAL ABANDONMENT	EACH		2									2
24	CATCH BASIN - ADJUSTMENT	EACH											
25	MANHOLE - ADJUSTMENT	EACH			1		2	1					7
26	MANHOLE RECONSTRUCT CONE	EACH											1
27	MANHOLE - DROP	EACH			1								3
28	CATCH BASIN "A"	EACH			2	3	2	1					8
29	CATCH BASIN "B" WITH TRAP	EACH			2	3	1	1					7
30	CATCH BASIN "C" WITH TRAP WITH MANHOLE COVER NOT PERFORATED	EACH					2						2
31	CATCH BASIN 18"x12" SPECIAL "V"	EACH										3	3
32	SPECIAL INLET	EACH					2						2
33	SEWER 12" PIPE (C-76 - III)	LFT			188	325	133	76					850
34	SEWER 12" PIPE (C-76 - IV)	LFT			15	26	44				45		130
35	SEWER UNDER PAVEMENT 12" PIPE (C-76 - III)	LFT									49		49
36	CLEANING STRUCTURES	EACH											10
37	PAVEMENT 3" UNIFORM REINFORCED CONCRETE **	SYDS			3560	3040	2749	1108					10,457
38	PAVEMENT BY UNIFORM REINFORCED CONCRETE **	SYDS				111							111
39	PAVEMENT 8" UNIFORM CONCRETE HIGH EARLY STRENGTH CONCRETE	SYDS									1094		1785
40	SEPARATE TYPE CURB REINFORCED *	LFT		54							54	328	842
41	LONGITUDINAL - DUMMY GROOVE CONTRACTION JOINT	LFT			3	2	2	1			2	1	11
42	TEST CORES	EACH											
43	SIDEWALK 6" STANDARD *	SFT			1008	36	449	645					2138
44	SIDEWALK 4" STANDARD *	SFT		459	6018	6601	8437	3740					25,255
45	DRIVEWAY 8" STANDARD *	SFT			3336		603						3939
46	STEEL BEAM GUARD RAIL REMOVAL	EACH		1									1
47	STOP BOX - ADJUSTMENT	EACH											1
48	REMOVE EXISTING CONCRETE BASE WITH GRADE A CONCRETE STRIPING	SYDS					59		10	100			10
49	REPLACEMENT CONCRETE BASE WITH GRADE A CONCRETE STRIPING	SYDS					59		100	100			159
50	CLEAN AND CONDITION EXISTING SURFACE	SYDS					2		1146				1146
51	RESETTING CATCH BASIN ALL TYPES	EACH					2		2				4
52	RESETTING MANHOLES	EACH					1		2				3
53	REBUILDING SPECIAL CATCH BASIN	EACH									2		2
54	SEMI REBUILD MANHOLE	EACH											1
55	SEMI REBUILD CATCH BASIN	EACH											1
56	RESETTING STOP BOXES	EACH							1				1
57	BITUMINOUS BOND COAT	GALS							187				187
58	SHEET ASPHALT WEARING SURFACE MIXTURE IN PLACE MAINTAINING TRAFFIC	TONS							5				5
59	RESURFACING MIXTURE IN PLACE	LUMP SUM											
60	RESURFACING MIXTURE IN PLACE A) FINE BINDER COURSE MIXTURE B) FINE BINDER COURSE MIXTURE (ALL SLAG AGG.)	TONS							140				140
61	RESURFACING MIXTURE IN PLACE A) WEARING SURFACE MIXTURE B) WEARING SURFACE MIXTURE (ALL SLAG AGG.)	TONS							128				128
62	RESURFACING MIXTURE IN PLACE A) WEARING SURFACE MIXTURE B) WEARING SURFACE MIXTURE (ALL SLAG AGG.)	TONS							65				65

* CONSTRUCTION ONLY
 ** INCLUDES INTEGRAL CURB TYPE III SEE STANDARD DRAWING C-4380
 *** INCLUDES REINFORCED INTEGRAL CURB SEE STANDARD DRAWING C-4943