

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
NEIGHBORHOOD PROGRESS
ADMINISTRATION / DHCD
COMMERCIAL REVITALIZATION PROGRAM

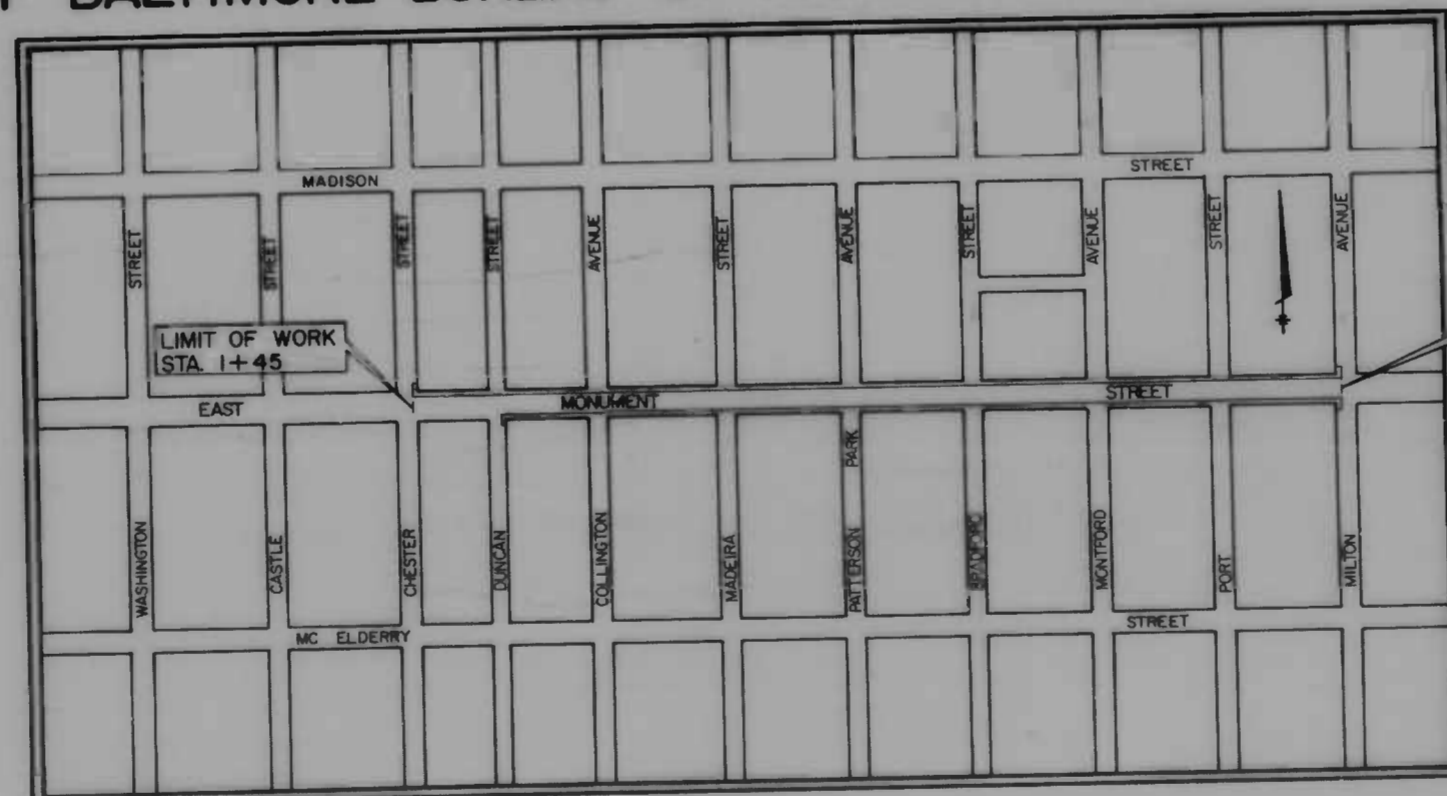


INDEX OF SHEETS

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EAST MONUMENT STREET
BUSINESS AREA

CITY OF BALTIMORE BUREAU OF HIGHWAYS CONTRACT NO. 3096



FIELD SURVEY BOOKS	
NO.	DESCRIPTION
1912	UTILITIES, EAST MONUMENT STREET
1914	TOPO, EAST MONUMENT STREET
1907	X-SECTIONS, EAST MONUMENT STREET
2185	UPDATED TOPO, EAST MONUMENT STREET

LOCATION MAP
SCALE: 1" = 200'

HURST-ROSCHKE ENGINEERS, INC.
 CONSULTING ENGINEERS
 50 SCOTT ADAM ROAD
 SUITE 103
 COCKEYSVILLE, MD.



WILLIAM K. SMITH PE 9414

S. OF H. REVIEW	R. W. RELEASE	GRADE EST.	HIGHWAY DESIGN	STRUCTURAL	DRAINAGE	LIGHTING	CONDUIT	SEDIMENTATION AND EROSION CONTROL	OFFICE OF TRANSPORTATION	WASTE WATER ENGINEERING	WATER ENGINEERING
BY: [Signature]	3/20/76	3/20/76	3/20/76		3-27-80	4-1-80	3/20/86	3/27/86	7/2/86	3/26/86	3/26/86

DEPARTMENT OF PUBLIC WORKS

BUREAU OF HIGHWAYS
 APPROVED: [Signature]
 CHIEF, HIGHWAY ENGINEERING DIVISION

APPROVED: [Signature]
 CHIEF, ENVIRONMENTAL SERVICES DIVISION

OFFICE OF TRANSPORTATION
 APPROVED: [Signature]
 DIRECTOR OF OFFICE TRANSPORTATION

APPROVED:

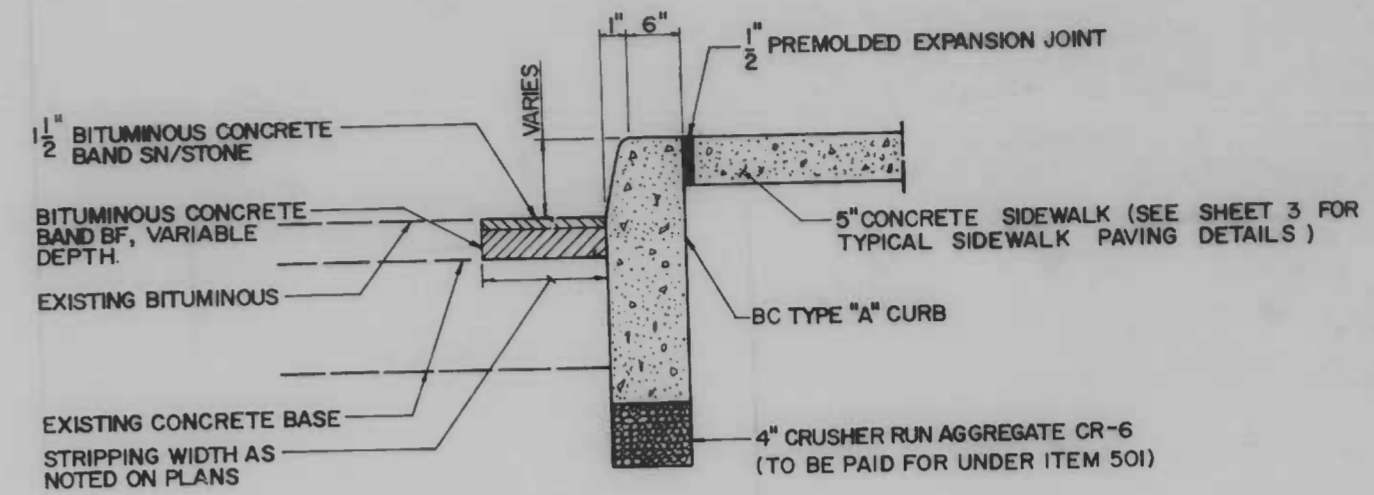
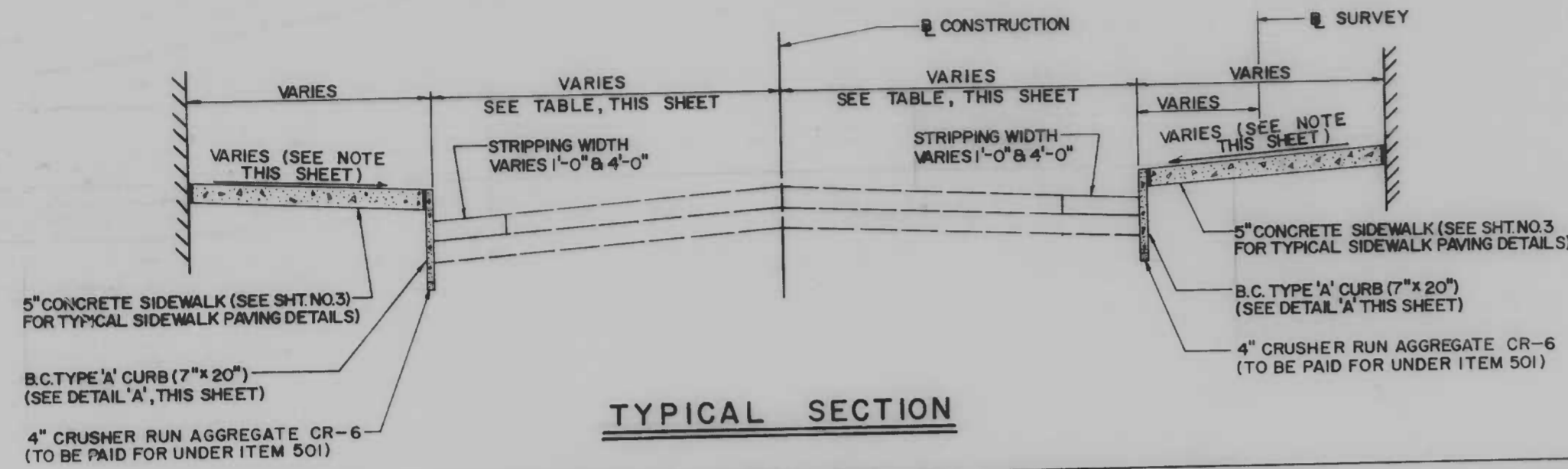
[Signature]
 DIRECTOR OF PUBLIC WORKS

APPROVED:

[Signature]
 HEAD, BUREAU OF HIGHWAYS

FILE REF.

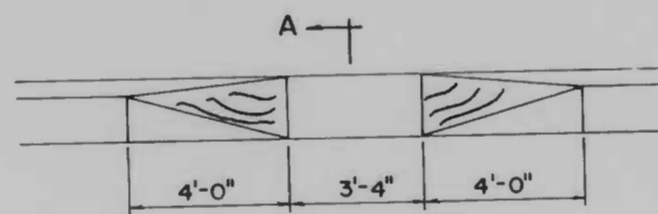
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NO.	DESCRIPTION	DATE	BY



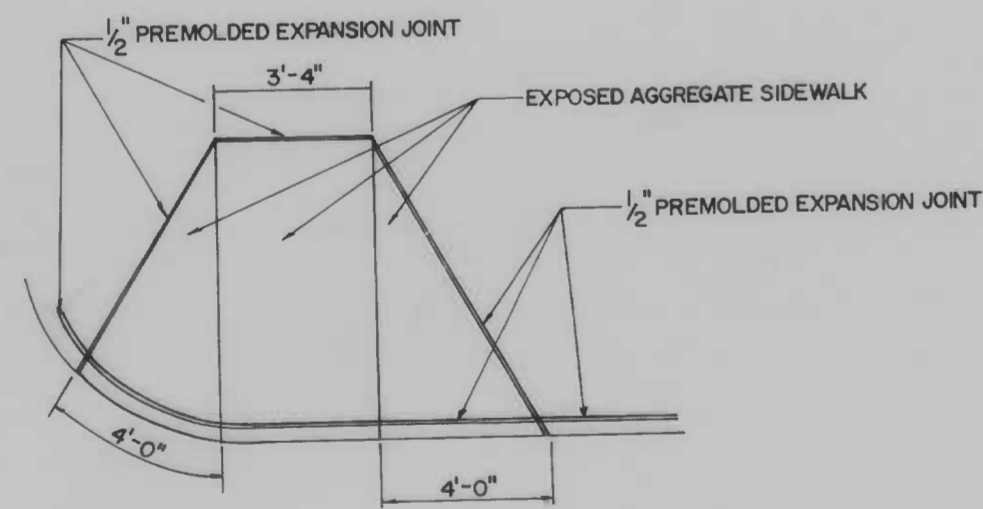
DETAIL "A"
BC TYPE "A" CURB (7x20)

NOTE:
SIDEWALK SHALL BE SLOPED EVENLY FROM TOP OF CURB TO EXISTING SIDEWALK ELEVATION AT BUILDING LINE (AND/OR STEPS) ALL PUBLIC UTILITY MAINHOLE FRAMES, COVERS AND OTHER SURFACE FIXTURES WITHIN THE CONSTRUCTION LIMITS FOR SIDEWALK SHALL BE ADJUSTED TO TRUE LINE AND GRADE BEFORE ANY PAVEMENT IS PLACED. PRIVATE FIXTURES SUCH AS WINDOW WELLS, TRAP DOORS, ENTRANCES, ETC., WILL NOT BE ADJUSTED. IN THE CASE OF THESE FIXTURES, SIDEWALK SHALL SLOPE EVENLY FROM TOP OF CURB TO FIXTURE REGARDLESS OF THE RESULTING SLOPE.

OFFSETS TO CURB LINES - EAST MONUMENT STREET								
STATION	OFFSET		STATION	OFFSET		STATION	OFFSET	
	LT. CURB	RT. CURB		LT. CURB	RT. CURB		LT. CURB	RT. CURB
PT. 1+57.9	19.3		PC. 6+69.86		19.5	PT. 13+28.86	19.3	
2+00	19.3		MADEIRA STREET			13+50	19.3	19.2
2+50	19.3		PT. 6+90.69		19.5	PC. 10+76.81	19.3	19.2
PC. 2+77.3	19.3		PT. 6+90.8	19.4	19.5	PC. 10+76.9	19.3	19.2
DUNCAN STREET			7+00	19.4	19.5	PC. 14+80.07	19.3	19.2
PT. 3+09.7	19.1		7+50	19.4	19.5	PORT STREET		
PT. 3+09.92		19.8	8+00	19.4	19.5	PT. 15+11.23	19.6	
3+50	19.1	19.8	8+50	19.4	19.5	PT. 15+11.62		19.0
4+00	19.1	19.8	PC. 8+59.70		19.5	15+50	19.6	19.0
PC. 4+32.1	19.1		PC. 8+59.9	19.4		16+00	19.6	19.0
PC. 4+32.42	19.8		PATTERSON PARK AVENUE			16+50	19.6	19.0
COLLINGTON STREET			PT. 9+29.21		19.4	PC. 16+63.29	19.6	
PT. 4+90.0	19.2		PT. 9+31.6	19.3		PC. 16+66.24	19.0	
PT. 4+92.09		19.6	9+50	19.3	19.4			
5+00	19.2	19.6						
5+50	19.2	19.6						
6+00	19.2	19.6						
6+50	19.2	19.6						
PC. 6+66.8	19.2							

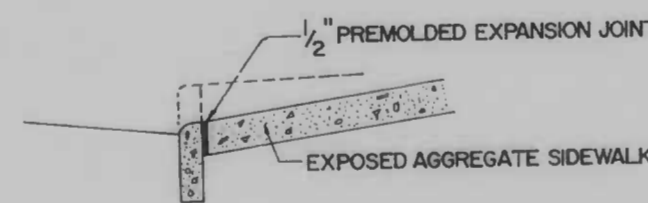


ELEVATION

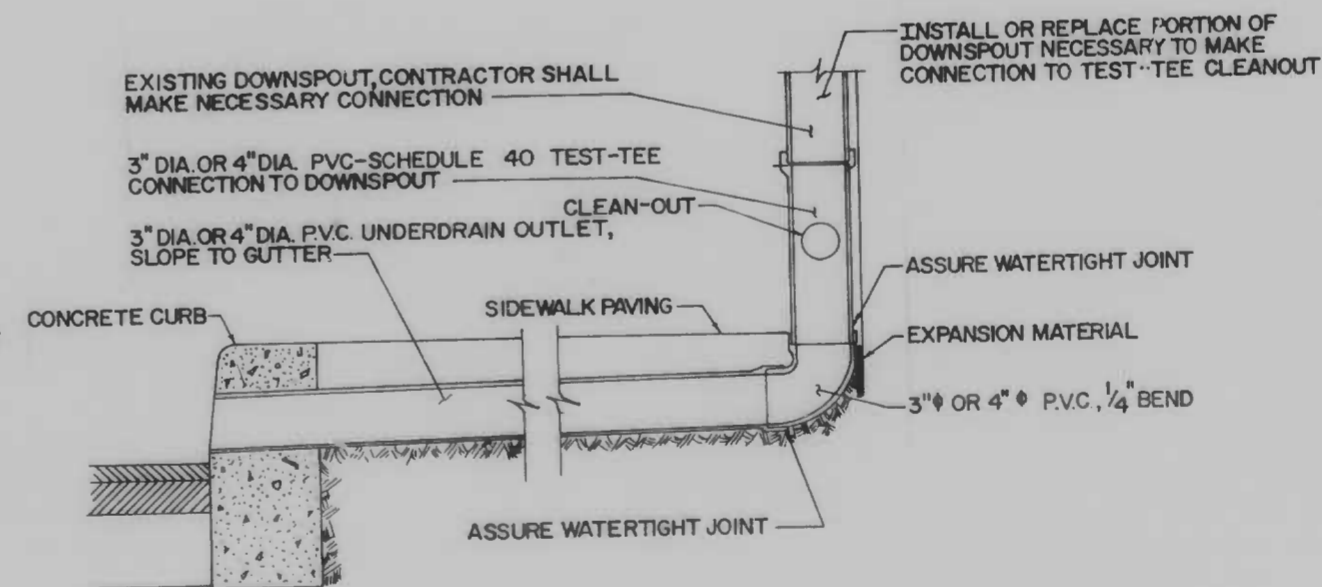


PLAN

PEDESTRIAN RAMP DETAILS



SECTION A-A



UNDERDRAIN OUTLET CONNECTION TO DOWNSPOUT

DOWNSPOUT	LOCATION
STA. 2+13	LEFT
STA. 5+75	RIGHT
STA. 5+90	RIGHT
STA. 6+19	RIGHT
STA. 7+80	RIGHT

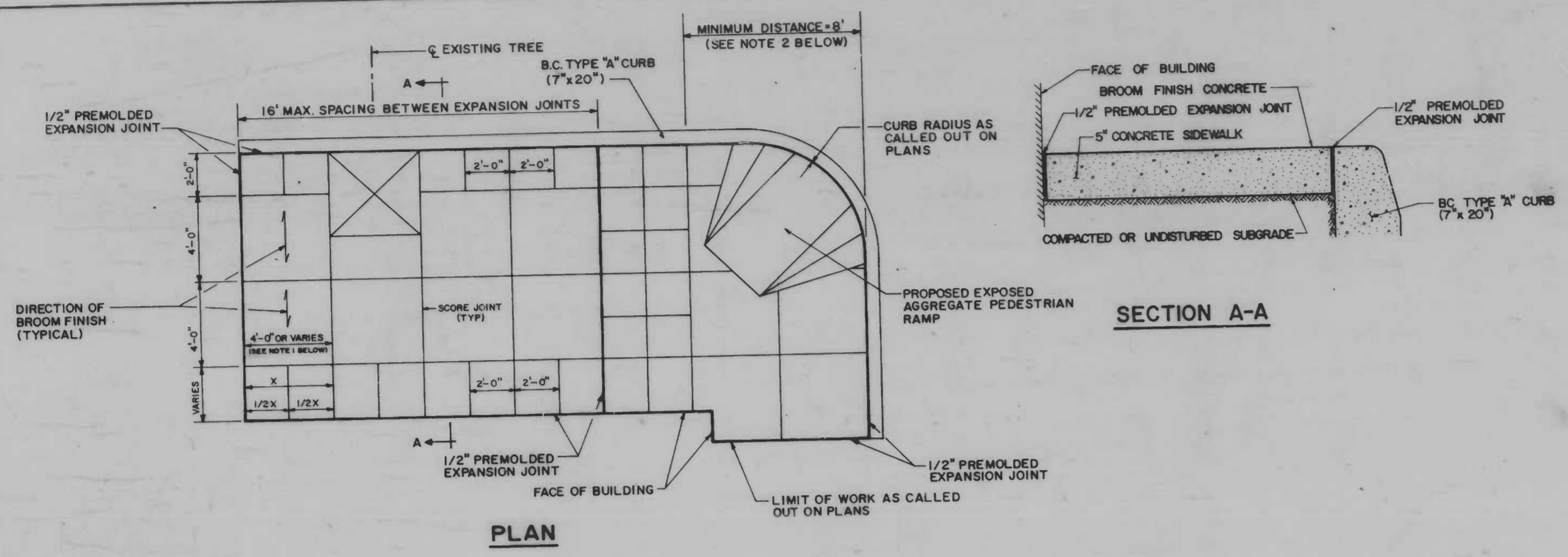
CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
TYPICAL SECTION AND MISCELLANEOUS DETAILS
**EAST MONUMENT STREET
BUSINESS AREA**

SCALE NOT TO SCALE
DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO: 3096
SHEET 2 OF 21

FILE REF.

DRAWN BY
EXAMINED BY

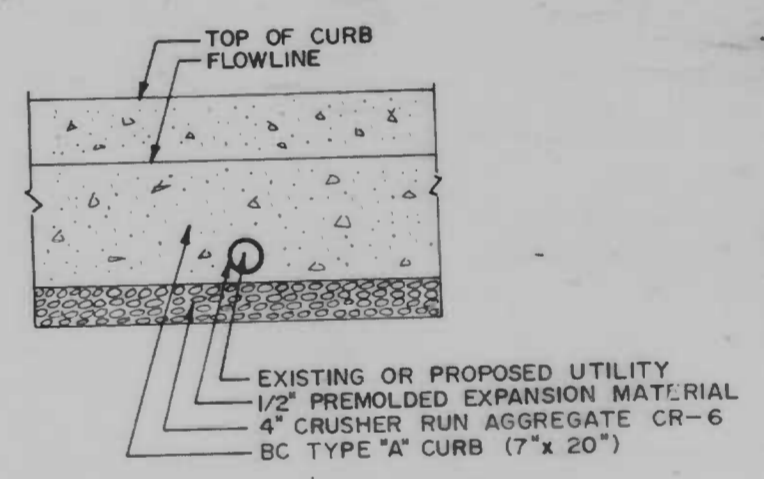
REVISIONS			
NO.	DESCRIPTION	DATE	BY



- NOTES:**
- CONCRETE SIDEWALK WILL BE SCORED LONGITUDINALLY AT FOUR FOOT SPACINGS WITH THE FOLLOWING EXCEPTIONS:
1. THE CONTRACTOR WILL SPACE THE SCORE JOINTS EQUALLY BETWEEN THE EXISTING TREE PITS. THE WIDTH WILL BE 4' ± AS DETERMINED BY THE ENGINEER.
 2. THE CONTRACTOR WILL SPACE THE DOUBLE ROW OF 2-FOOT SQUARES AT THE BUILDING CORNER OR TO ENTIRELY CLEAR THE PEDESTRIAN RAMP.
 3. THE CONTRACTOR WILL SPACE THE SCORE JOINTS AT 1-FOOT SQUARES AT THE SOUTHEAST CORNER OF MONUMENT STREET AND DUNCAN STREET ONLY.

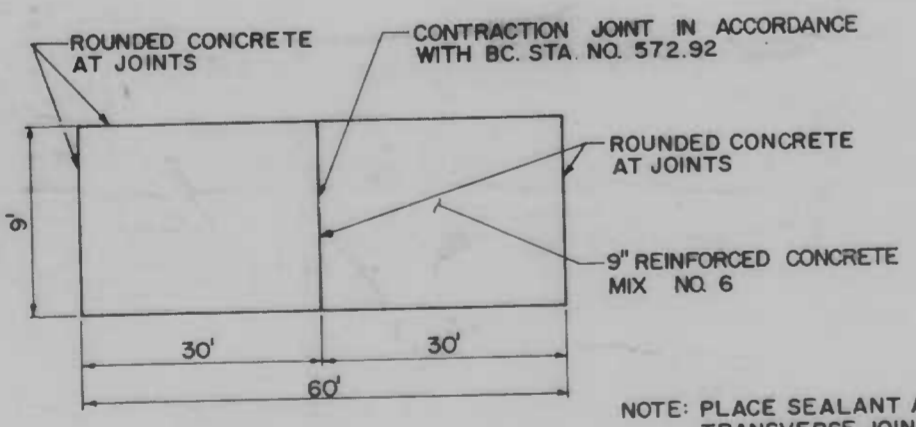
- NOTES:**
1. CONCRETE SIDEWALK SHALL HAVE BROOM FINISH. DIRECTION OF BROOM FINISH SHALL BE PERPENDICULAR TO THE CURB. SCORE JOINTS FOR CONCRETE SIDEWALK SHALL BE LOCATED AS SHOWN ON THE PLAN-PROFILE SHEETS.
 2. EXPANSION JOINTS WILL BE SPACED AT A MAXIMUM OF 16' APART. EXPANSION JOINTS SHALL ALSO BE CONSTRUCTED AT LIMITS OF WORK BETWEEN OLD AND NEW SIDEWALK, AROUND UTILITY FRAMES, AND AT OTHER LOCATIONS INDICATED ON THE PLANS AND/OR WHERE DIRECTED BY THE ENGINEER.
 3. LOCATION OF LIGHTS, TRAFFIC POLES, AND TREE PITS ARE SHOWN ON THE UTILITY PLAN.
 4. ADJUST TREE PITS TO FINISHED SIDEWALK GRADE. PLACE A MINIMUM OF 3 INCHES OF MULCHING MATERIAL TO TOP OF FINISHED GRADE.

TYPICAL SIDEWALK PAVING DETAILS

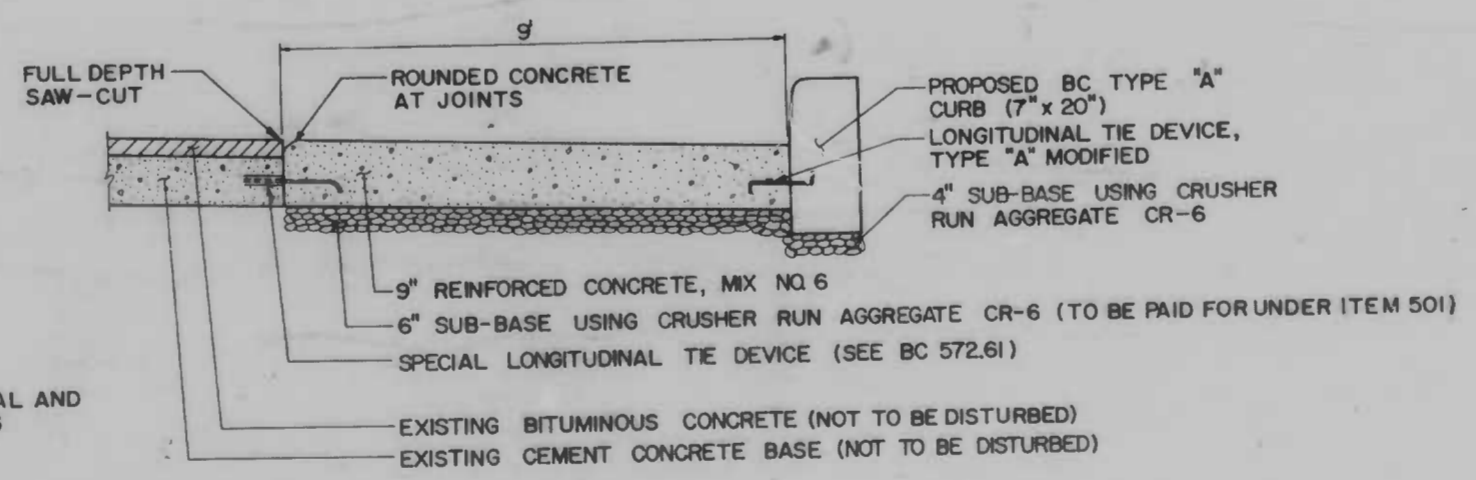


SHALLOW UTILITY DETAIL

NOTE: THE COST OF THE 1/2" PREMOLDED EXPANSION MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE COST OF BC TYPE "A" CURB, 7"x20", ITEM 601.



PLAN VIEW



CROSS SECTION

BUS PAD DETAILS

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

MISCELLANEOUS DETAILS

**EAST MONUMENT STREET
BUSINESS AREA**

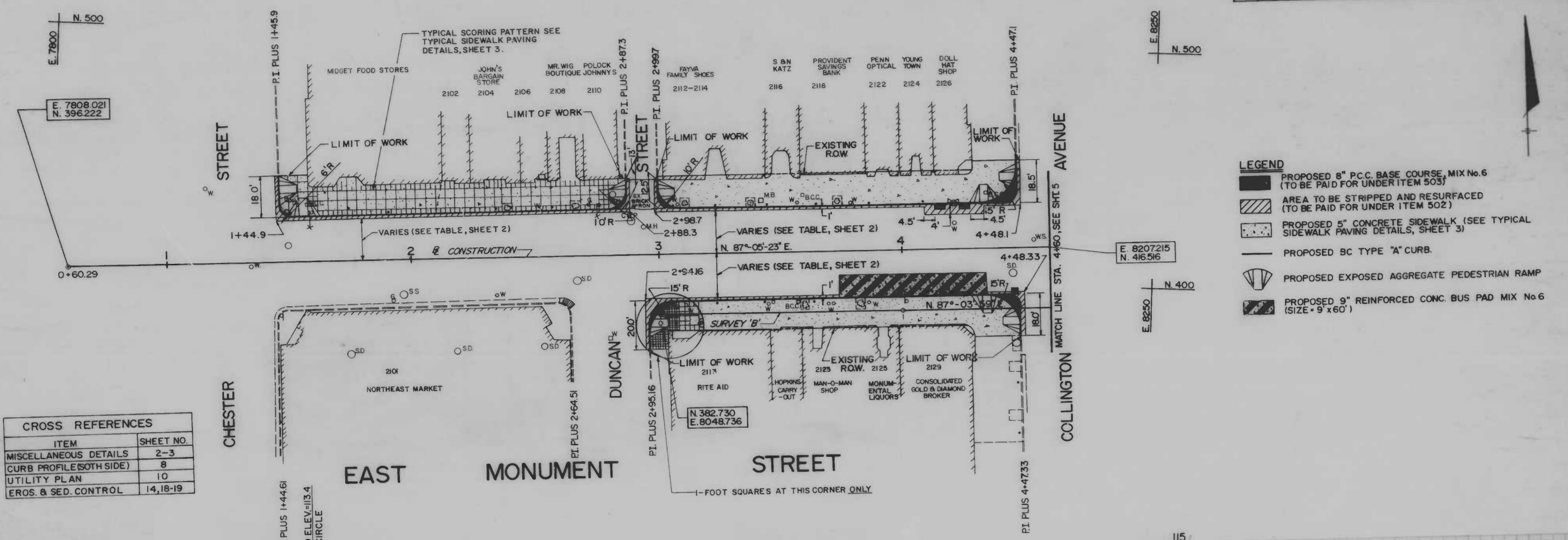
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BALTIMORE CITY CONTRACT NO. 3096 SHEET 3 OF 21

DRAWN BY
EXAMINED BY

FILE REF.

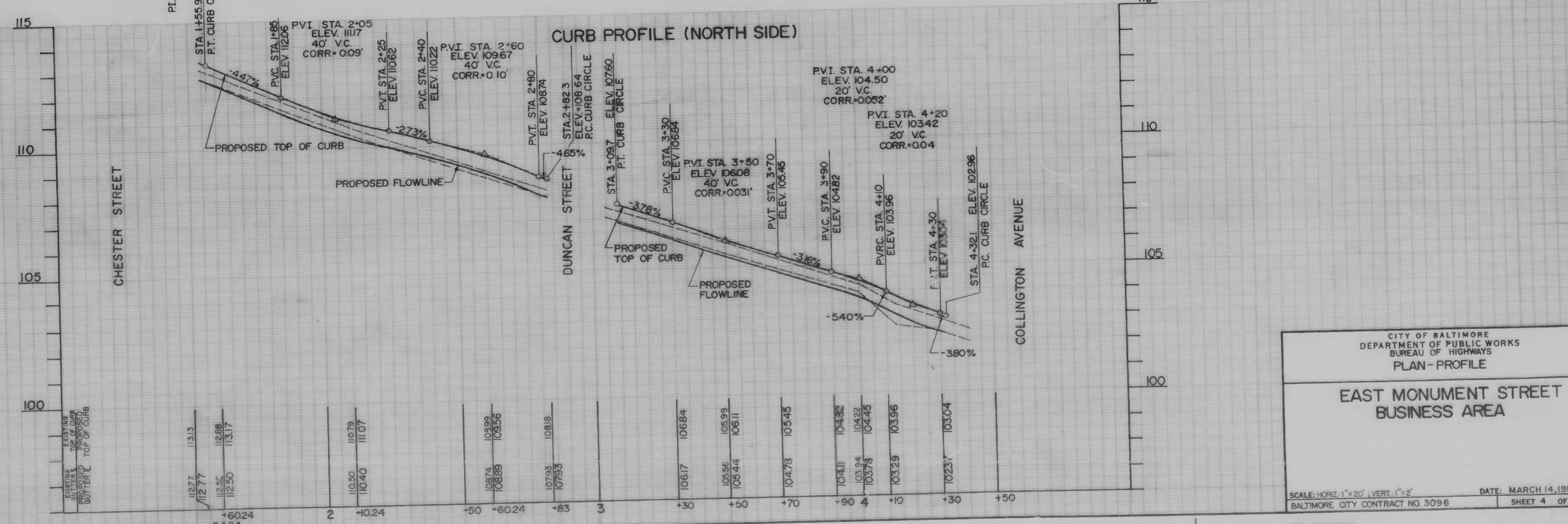
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REVISIONS		
NO.	DESCRIPTION	DATE BY



CROSS REFERENCES	
ITEM	SHEET NO.
MISCELLANEOUS DETAILS	2-3
CURB PROFILE(SOUTH SIDE)	8
UTILITY PLAN	10
EROS. & SED. CONTROL	14, 18-19

- LEGEND**
- PROPOSED 8" P.C.C. BASE COURSE, MIX No. 6 (TO BE PAID FOR UNDER ITEM 503)
 - AREA TO BE STRIPPED AND RESURFACED (TO BE PAID FOR UNDER ITEM 502)
 - PROPOSED 5" CONCRETE SIDEWALK (SEE TYPICAL SIDEWALK PAVING DETAILS, SHEET 3)
 - PROPOSED BC TYPE "A" CURB.
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - PROPOSED 9" REINFORCED CONC. BUS PAD MIX No. 6 (SIZE=9' x 6')



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
PLAN - PROFILE

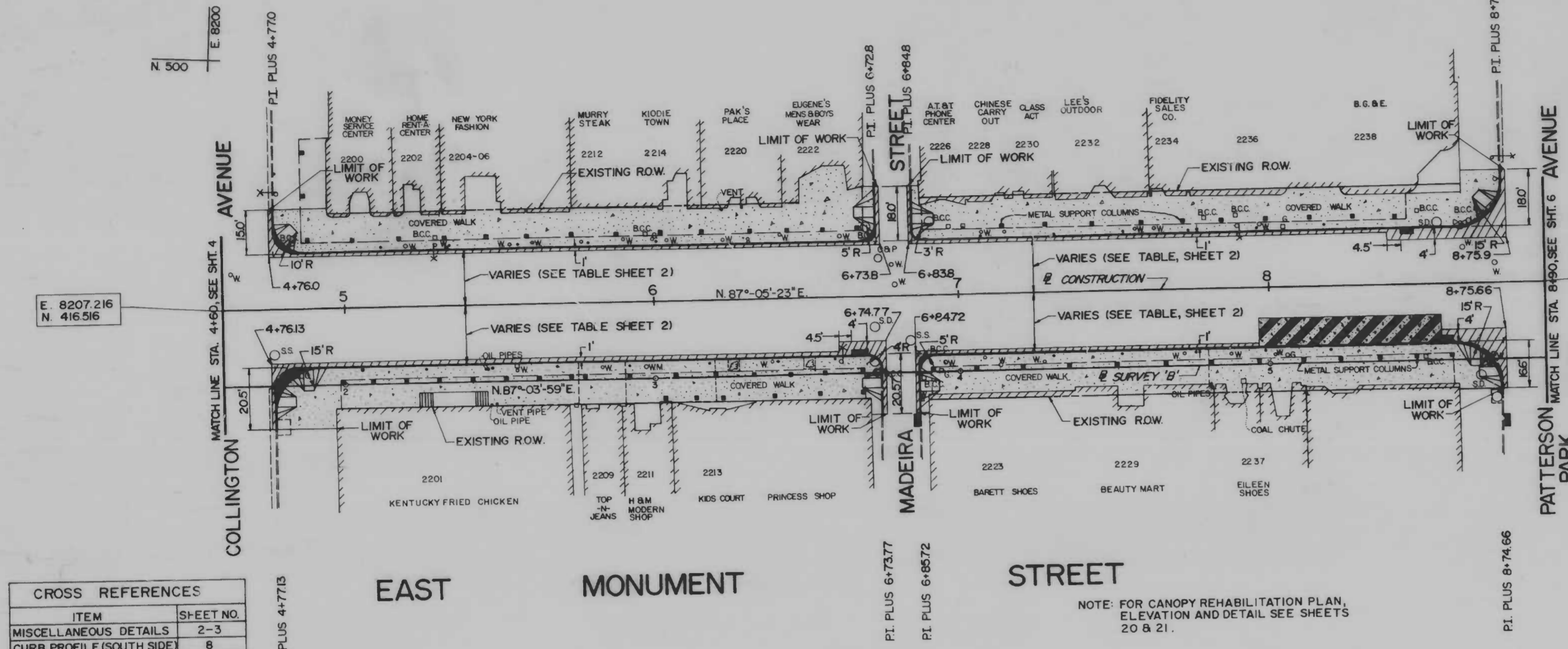
**EAST MONUMENT STREET
BUSINESS AREA**

SCALE: HORIZ. 1"=20' VERT. 1"=2'
BALTIMORE CITY CONTRACT NO 3096 DATE: MARCH 14, 1986
SHEET 4 OF 21

FILE REF.

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REVISIONS		
NO.	DESCRIPTION	DATE BY



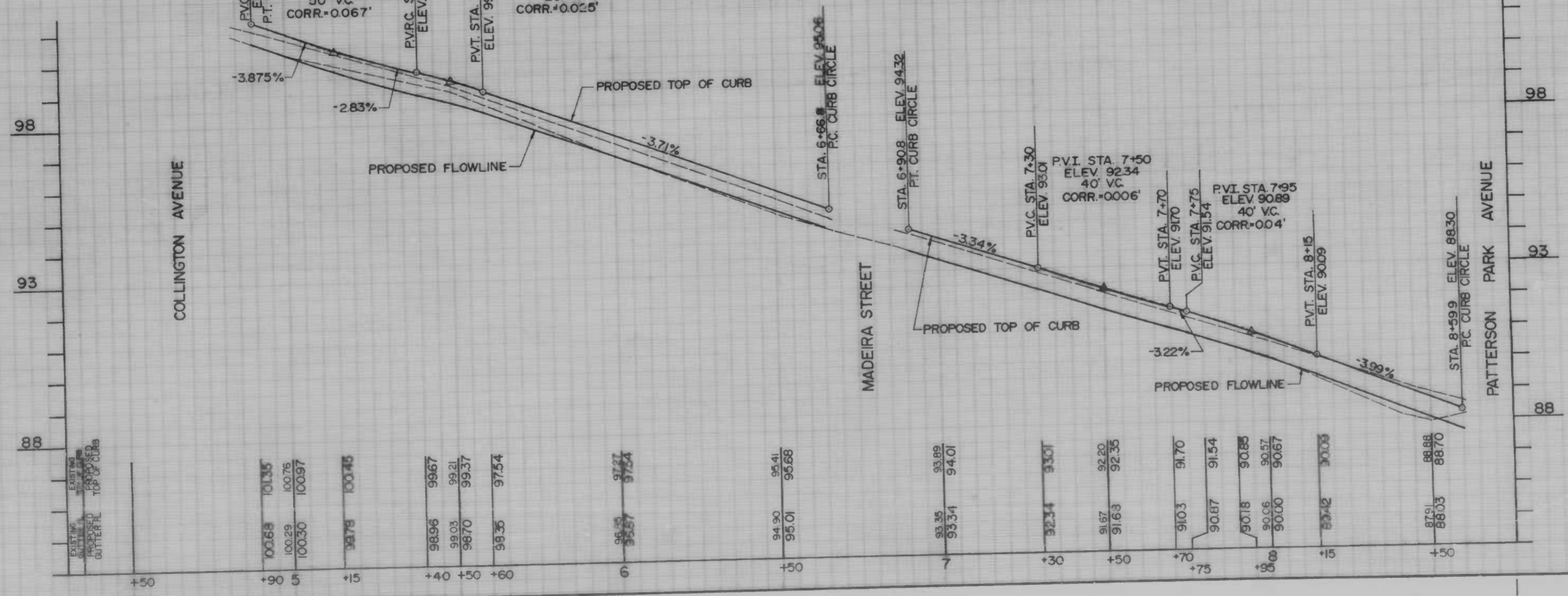
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ITEM	SHEET NO.
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CURB PROFILE (SOUTH SIDE)	8
UTILITY PLAN	11
EROS & SED. CONTROL	15, 18-19
CANOPY REHABILITATION	20-21

- LEGEND**
- PROPOSED 8" P.C.C. BASE COURSE, MIX No. 6 (TO BE PAID FOR UNDER ITEM 503)
 - AREA TO BE STRIPPED AND RESURFACED (TO BE PAID FOR UNDER ITEM 502)
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 - PROPOSED BC TYPE "A" CURB
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - PROPOSED 9" REINFORCED CONC. BUS PAD MIX No. 6 (SIZE 9' x 6')

EAST MONUMENT STREET

NOTE: FOR CANOPY REHABILITATION PLAN, ELEVATION AND DETAIL SEE SHEETS 20 & 21.

CURB PROFILE (NORTH SIDE)



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
PLAN - PROFILE

**EAST MONUMENT STREET
BUSINESS AREA**

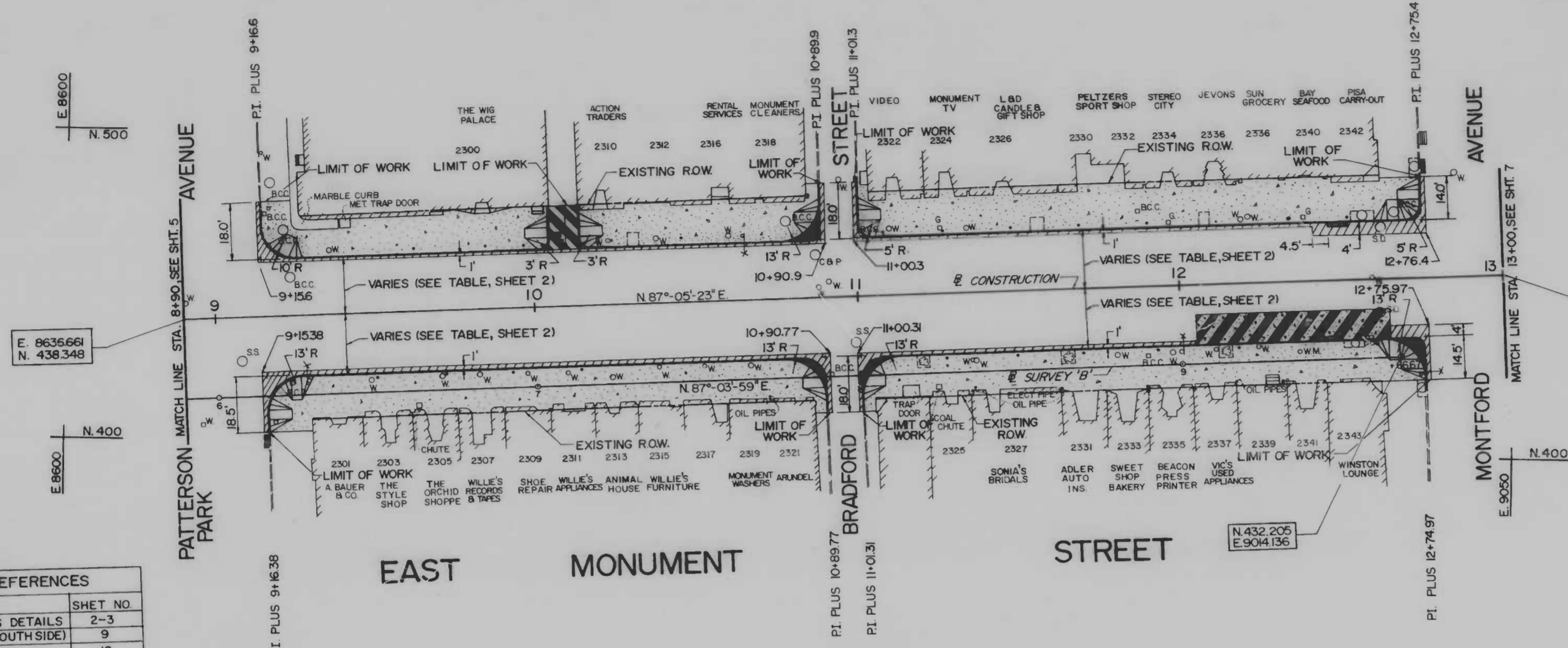
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DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO. 3096 SHEET 5 OF 21

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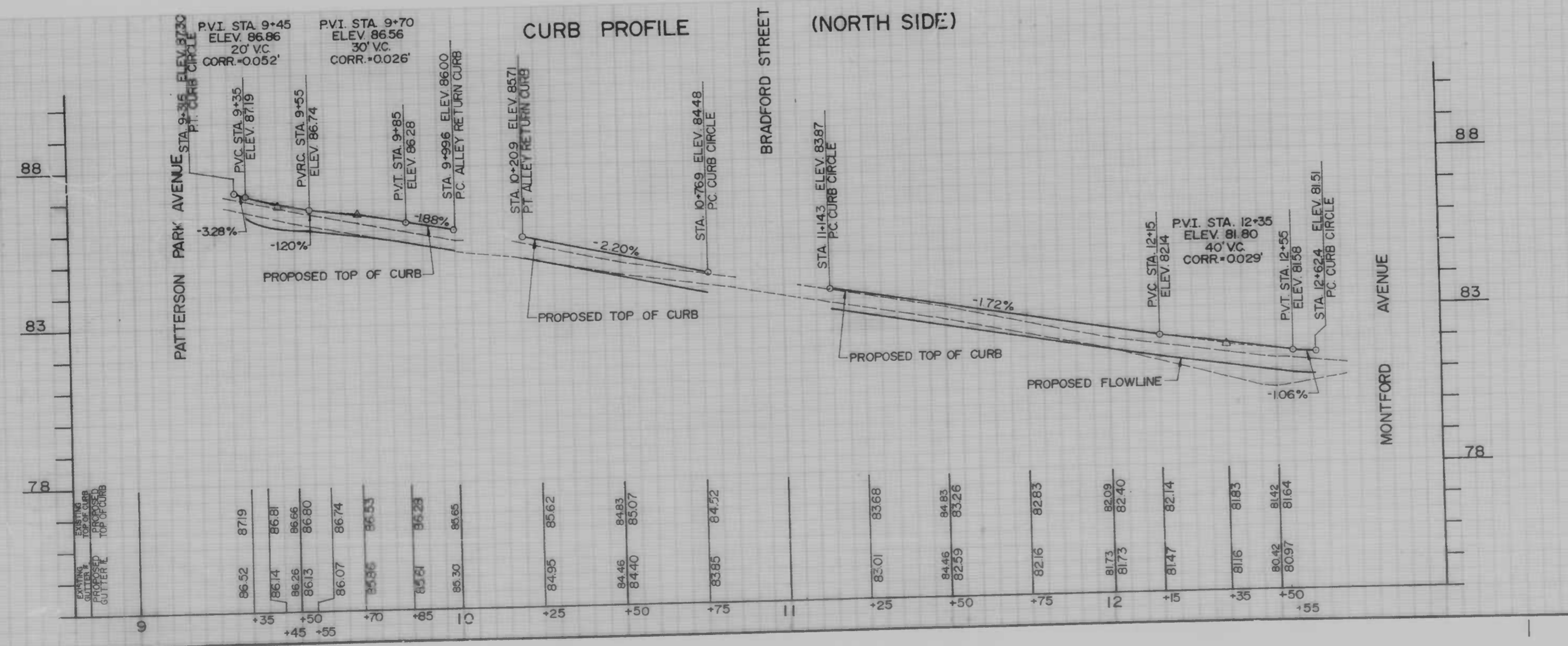
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NO.	DESCRIPTION	DATE BY

CROSS REFERENCES	
ITEM	SHEET NO.
MISCELLANEOUS DETAILS	2-3
CURB PROFILE (SOUTH SIDE)	9
UTILITY PLAN	12
EROS. & SED. CONTROL	16, 18-19



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 - PROPOSED 5" CONCRETE SIDEWALK (SEE TYPICAL SIDEWALK PAVING DETAILS, SHEET 3)
 - PROPOSED BC TYPE "A" CURB
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - PROPOSED 9" REINFORCED CONC. BUS PAD MIX No. 6 (SIZE 9' x 60')
 - PROPOSED 7" P.C.C. PAVEMENT, MIX No. 6 (TO BE PAID FOR UNDER ITEM 503)



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

PLAN - PROFILE

**EAST MONUMENT STREET
BUSINESS AREA**

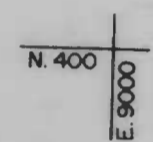
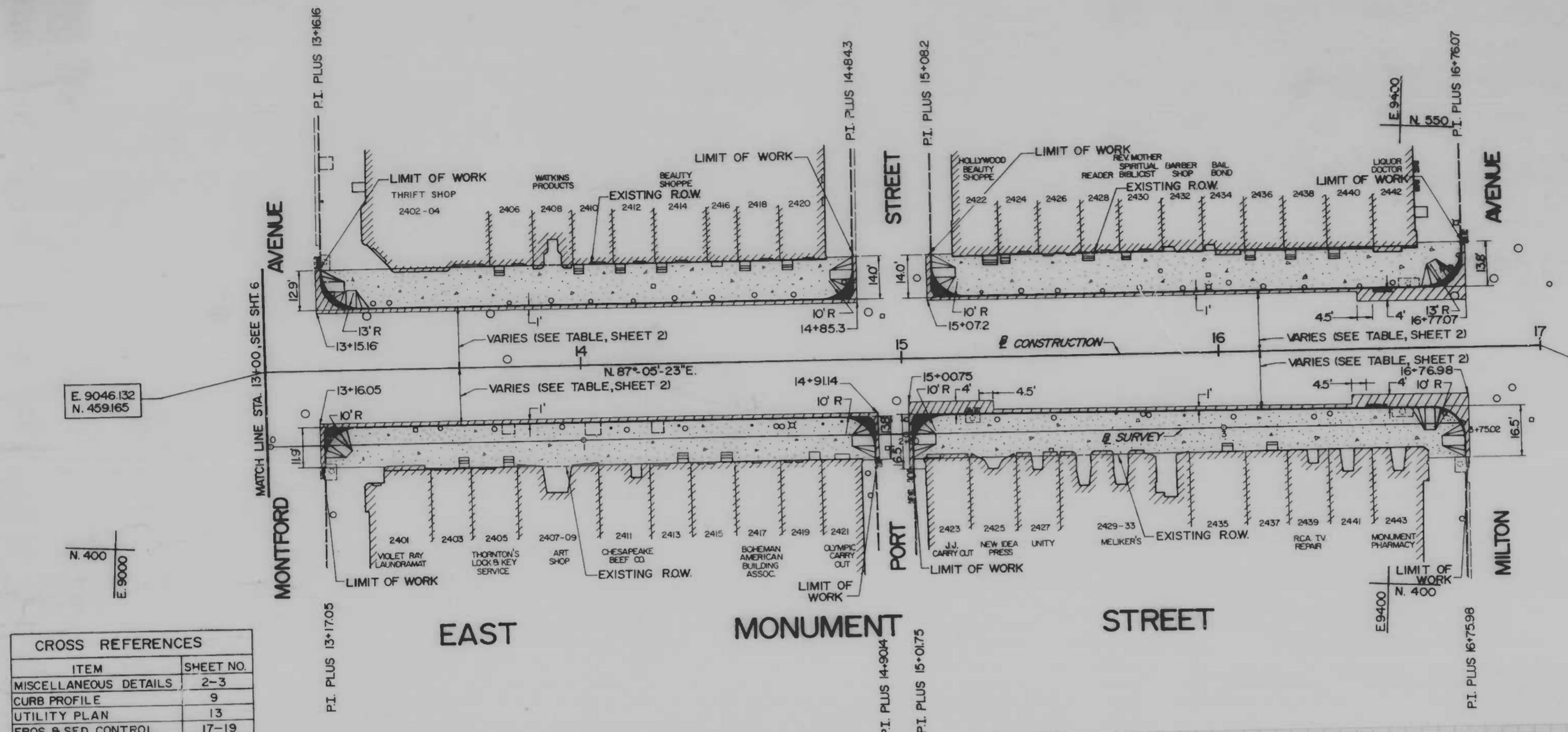
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BALTIMORE CITY CONTRACT NO. 3096

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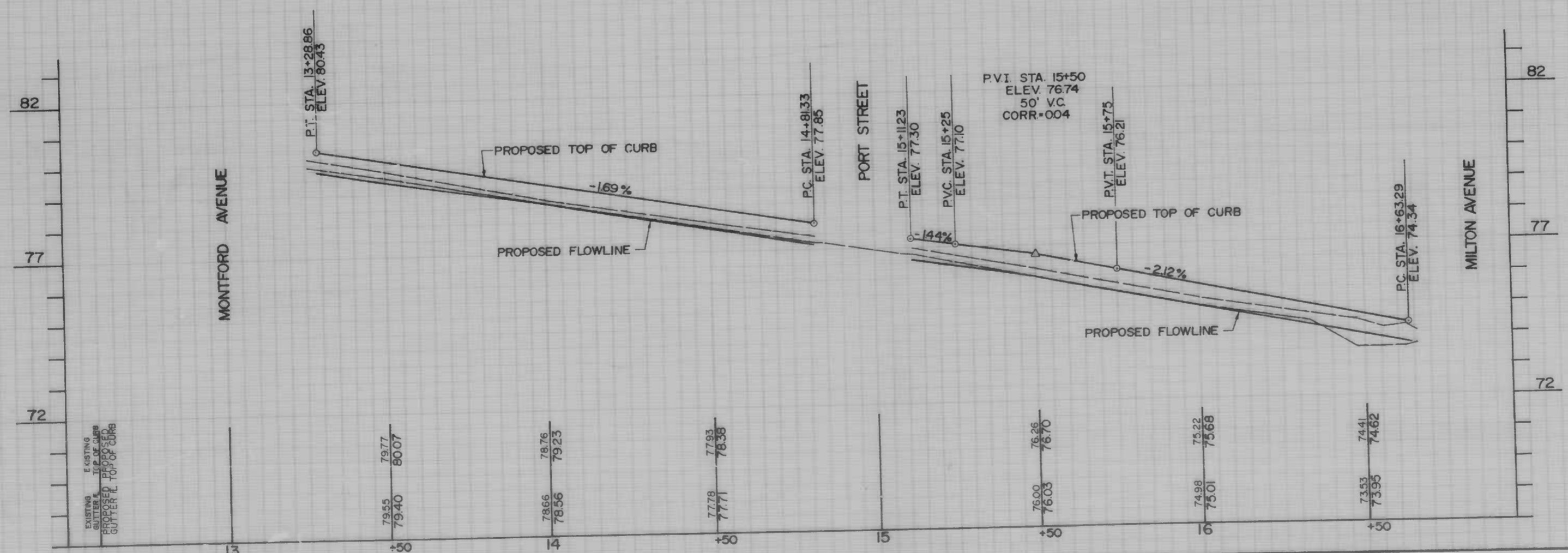
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CURB PROFILE	9
UTILITY PLAN	13
EROS. & SED. CONTROL	17-19

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CURB PROFILE (NORTH SIDE)



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
PLAN - PROFILE

**EAST MONUMENT STREET
BUSINESS AREA**

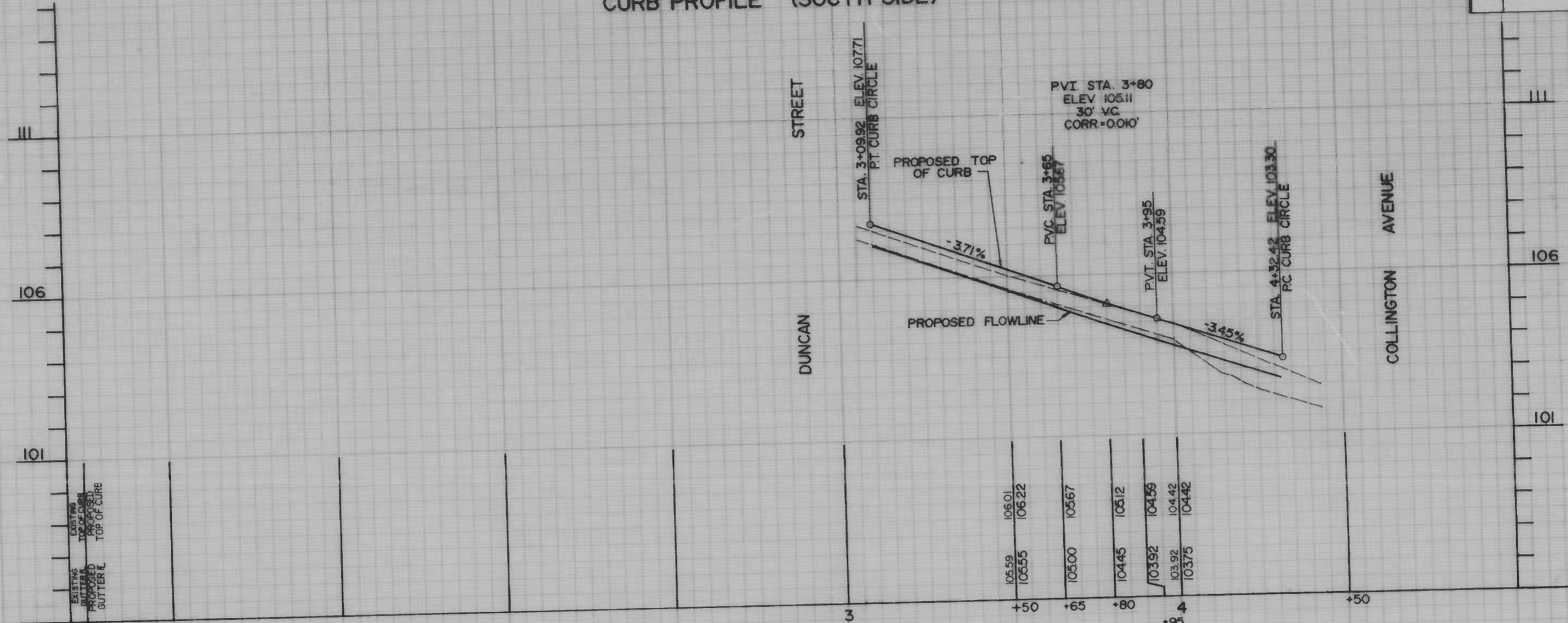
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DATE: MARCH 14, 1986
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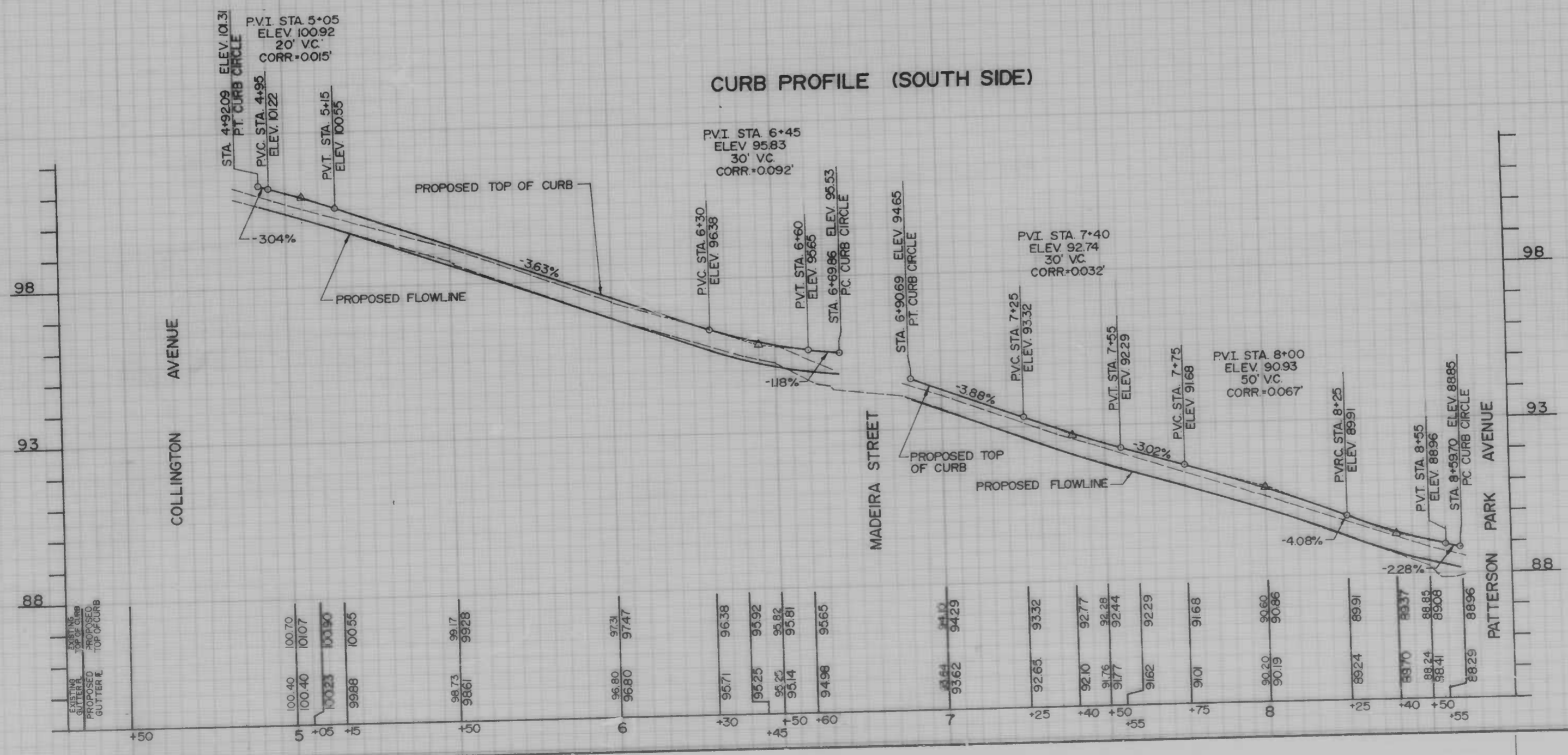
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CURB PROFILE (SOUTH SIDE)



CURB PROFILE (SOUTH SIDE)



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

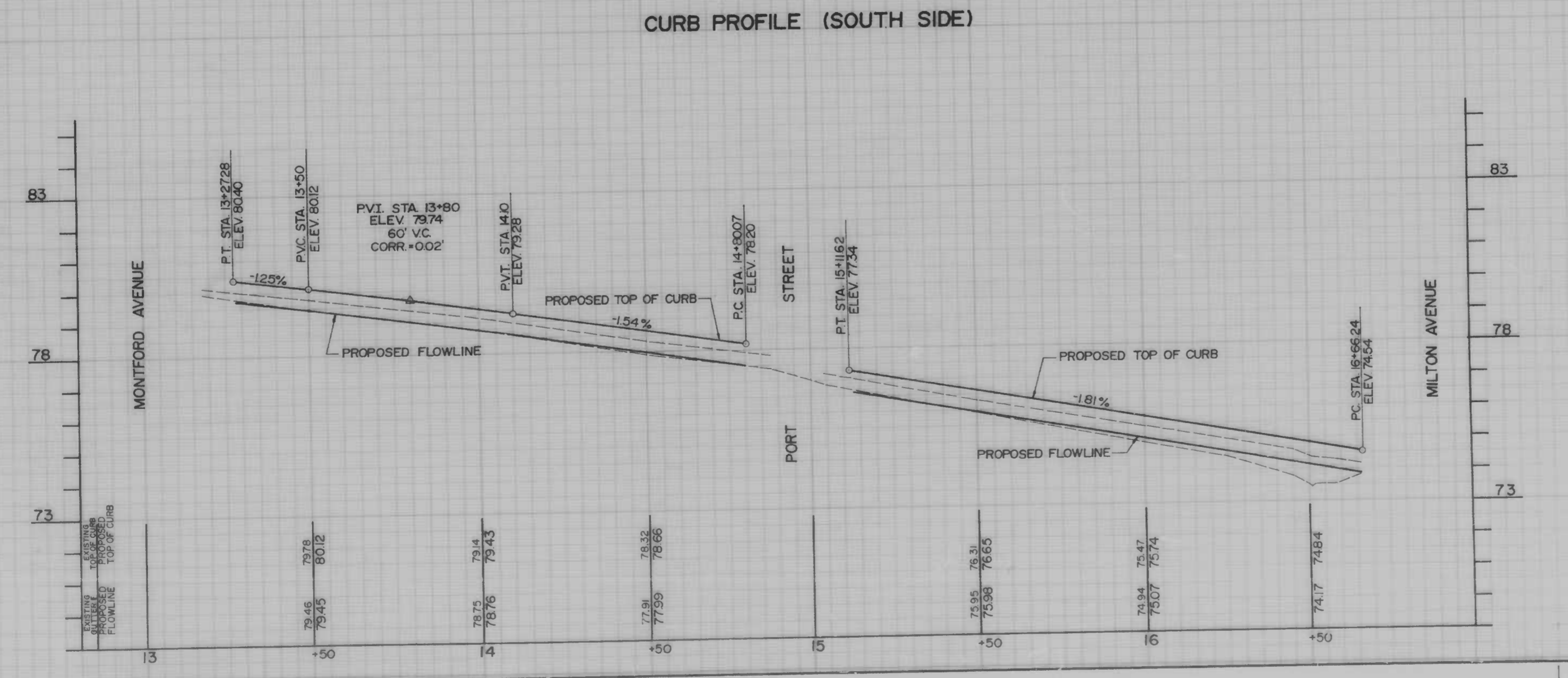
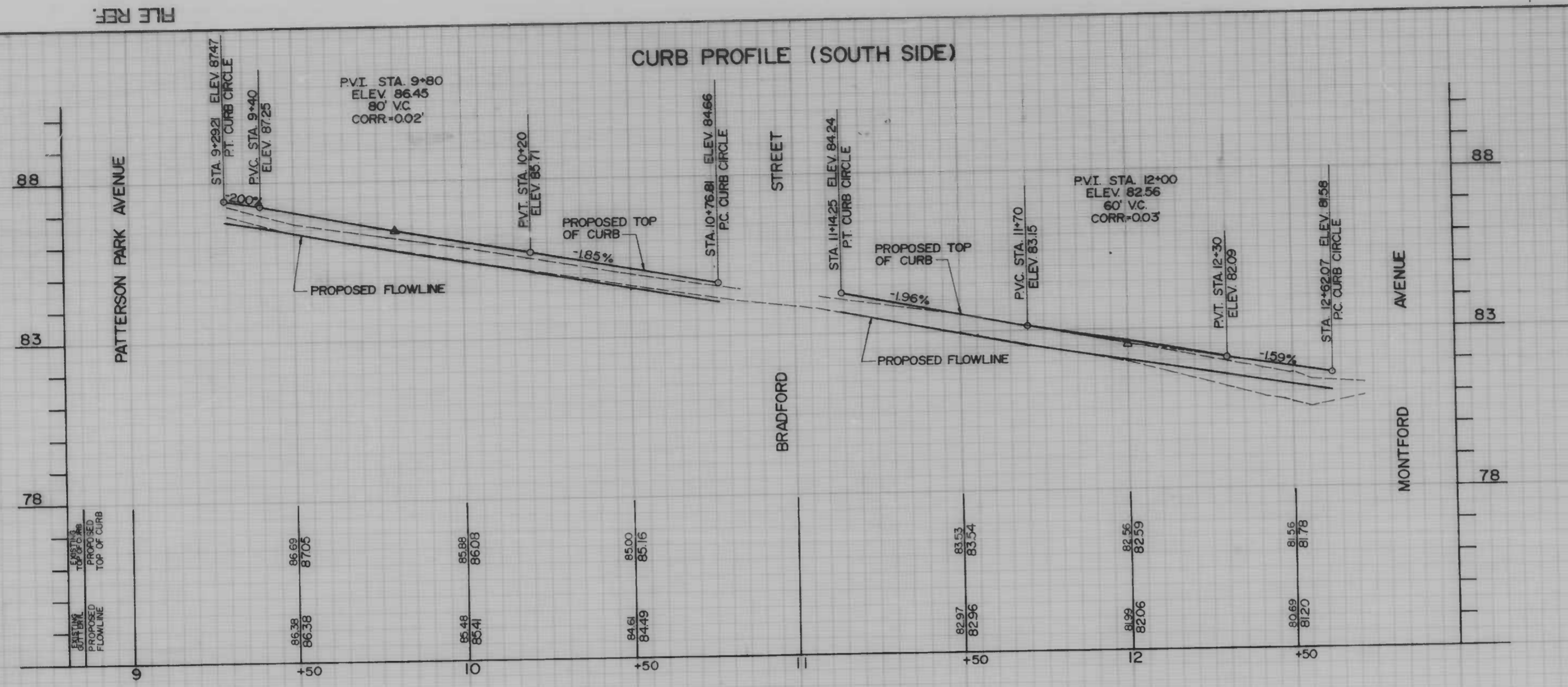
CURB PROFILE

**EAST MONUMENT STREET
BUSINESS AREA**

SCALE: HORIZ 1"=20', VERT 1"=2'
DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO 3096 SHEET 8 OF 21

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CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS

CURB PROFILE

**EAST MONUMENT STREET
 BUSINESS AREA**

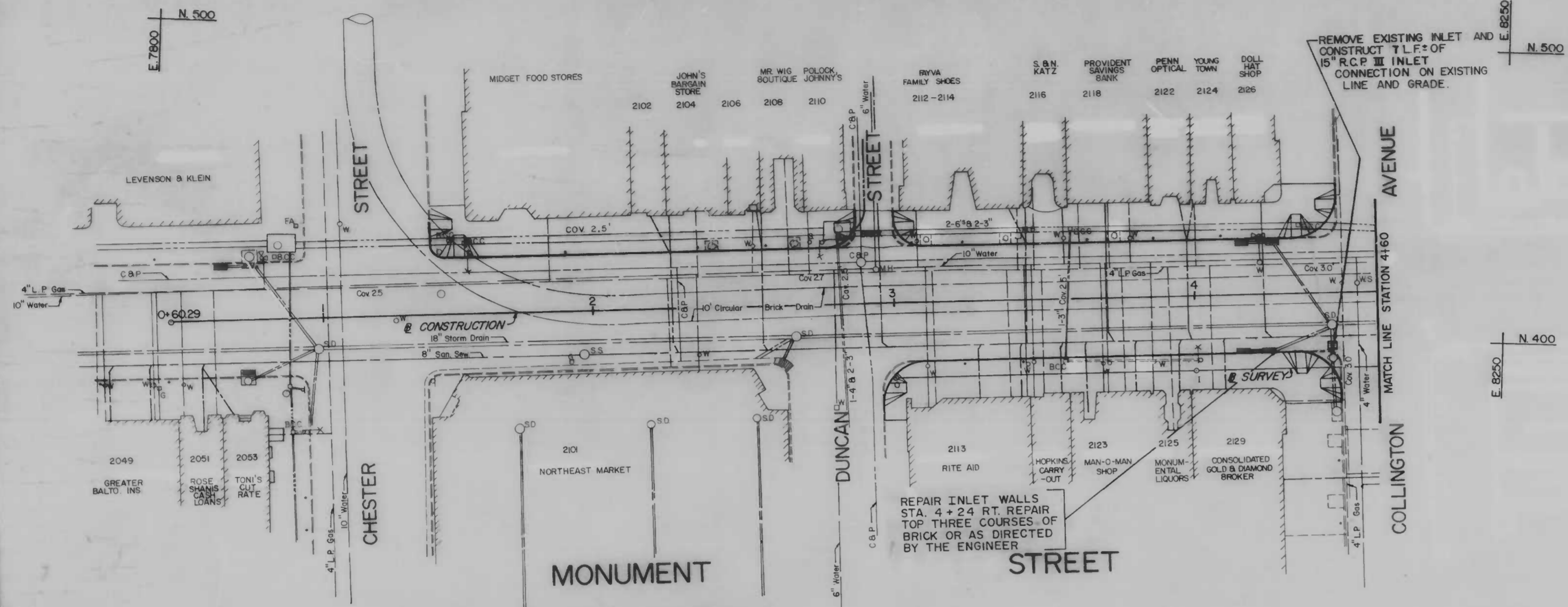
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 DATE: MARCH 14, 1986
 BALTIMORE CITY CONTRACT NO. 3096 SHEET 9 OF 21

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FILE REF.

REVISIONS		
NO	DESCRIPTION	DATE BY



FOR UTILITY LOCATIONS, AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION, CALL "MISS UTILITY" 1-800-257-7777

NOTE: INLET PROTECTION

ALL EXISTING AND PROPOSED INLETS SHALL BE PROTECTED USING BALTIMORE CITY STANDARD NO. BC 330-01.

THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR EXISTING CONDUIT DUCTS. NOTIFY THE CONDUIT SECTION BEFORE CONSTRUCTION IS TO BEGIN. PHONE 396-1311

UNDERGROUND UTILITIES ARE SHOWN ON THIS DRAWING ONLY FOR THE CONVENIENCE OF THE USER OF THE DRAWING AND THERE IS NO WARRANTY OR GUARANTEE OF THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE USER OF THE DRAWING MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.

NOTE "A": EXISTING OBSOLETE CONDUIT HANDBOXES TO BE REPLACED WITH NEW STYLE HANDBOX TO BE SUPPLIED BY THE CITY. ADJUSTMENT TO NEW FOOTWAY GRADE BY CONTRACTOR.

REPAIR INLET WALLS STA. 4+24 RT. REPAIR TOP THREE COURSES OF BRICK OR AS DIRECTED BY THE ENGINEER

REMOVE EXISTING INLET AND CONSTRUCT T.I.F. OF 15" R.C.P. INLET CONNECTION ON EXISTING LINE AND GRADE.

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

UTILITY PLAN

**EAST MONUMENT STREET
BUSINESS AREA**

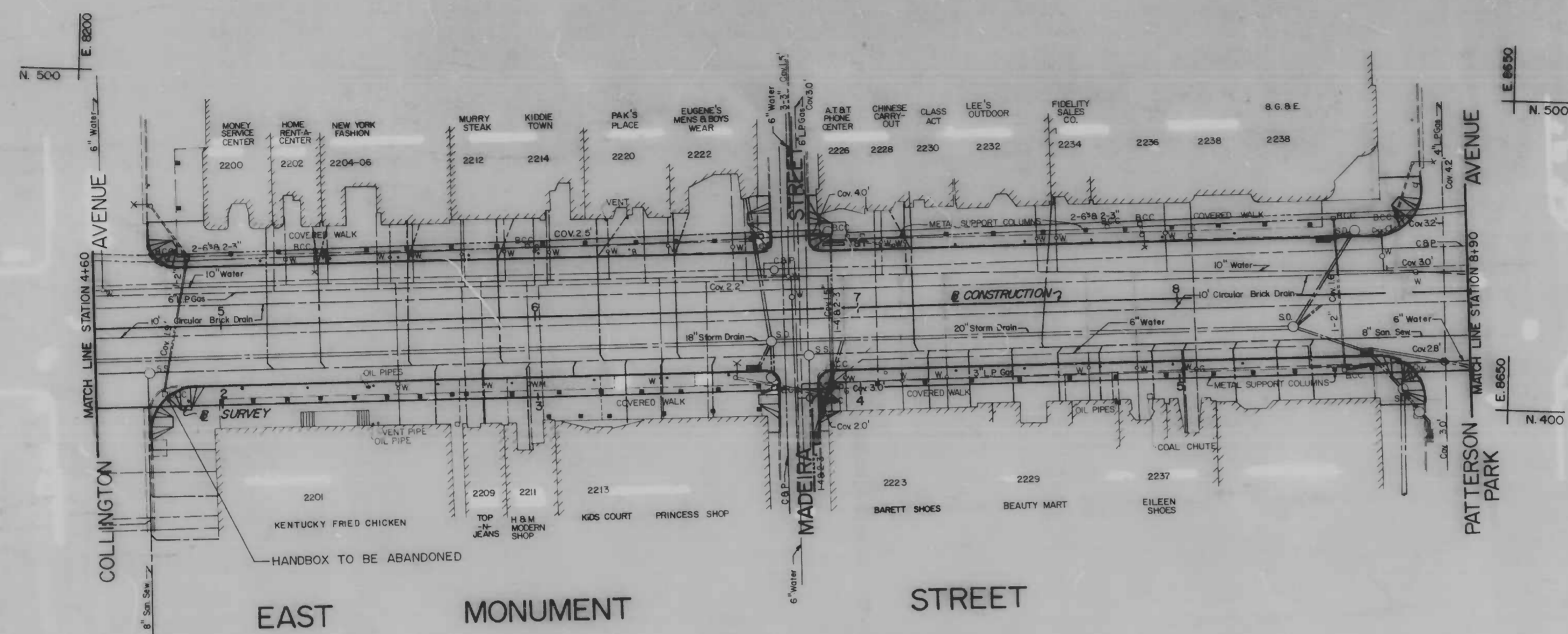
SCALE HORIZ: 1"=20' VERT: 1"=2'
BALTIMORE CITY CONTRACT NO 3096

DATE: MARCH 14, 1986
SHEET 10 OF 21

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CITY OF BALTIMORE
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BUREAU OF HIGHWAYS

UTILITY PLAN

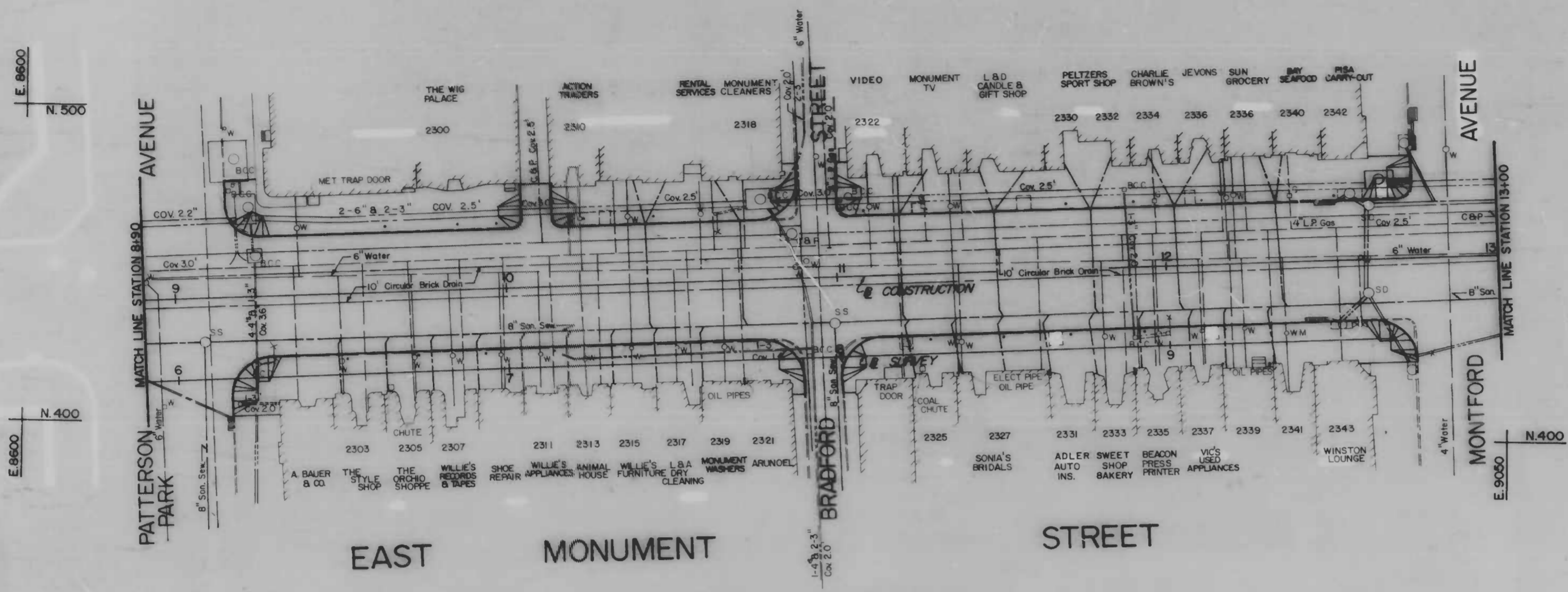
**EAST MONUMENT STREET
BUSINESS AREA**

SCALE: HORIZ. 1"=20', VERT. 1"=2'
DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO. 3096 SHEET 11 OF 21

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REVISIONS			
NO.	DESCRIPTION	DATE	BY



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NOTE: INLET PROTECTION

ALL EXISTING AND PROPOSED INLETS SHALL BE PROTECTED USING BALTIMORE CITY STANDARD NO. BC 330-D1.

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CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

UTILITY PLAN

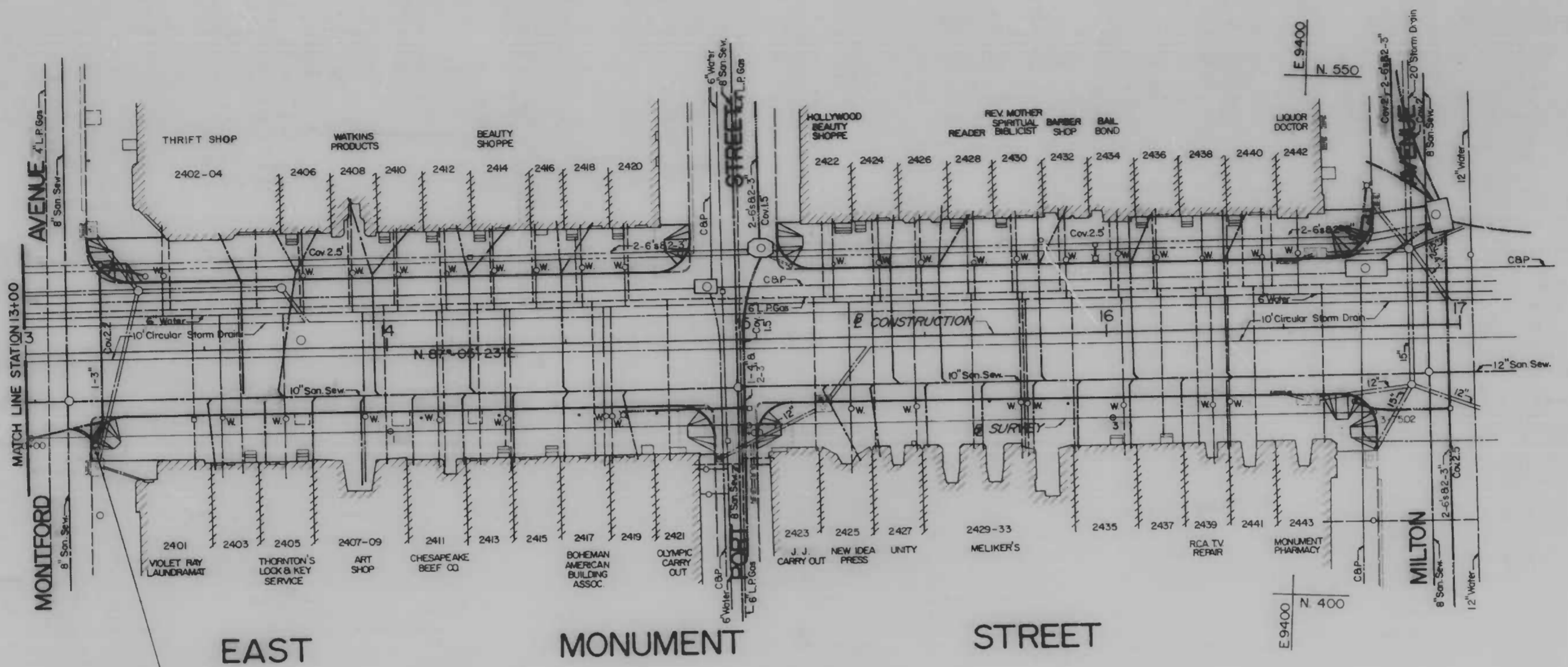
**EAST MONUMENT STREET
BUSINESS AREA**

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BALTIMORE CITY CONTRACT NO. 3096 SHEET 12 OF 21

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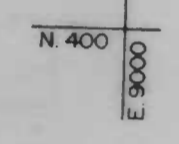


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ALL EXISTING AND PROPOSED INLETS SHALL BE PROTECTED USING BALTIMORE CITY STANDARD NO. BC 330-01.

THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR EXISTING CONDUIT DUCTS. NOTIFY THE CONDUIT SECTION BEFORE CONSTRUCTION IS TO BEGIN. PHONE: 396-1311

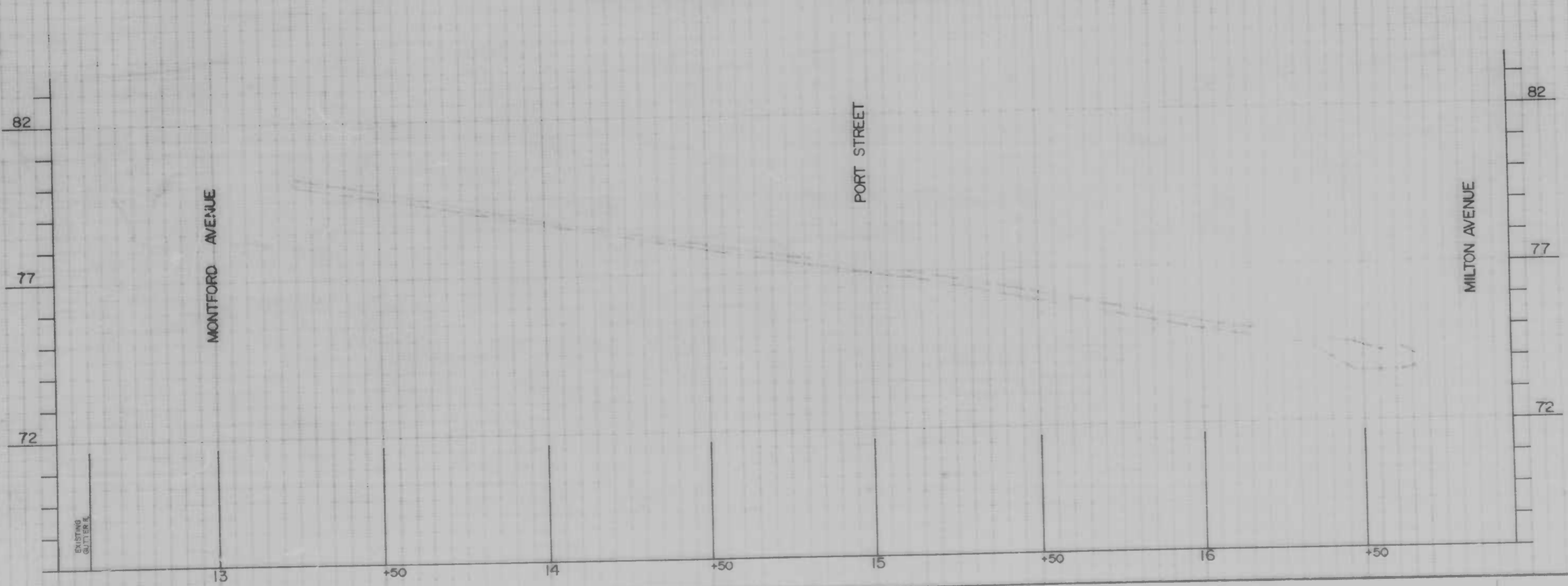
UNDERGROUND UTILITIES ARE SHOWN ON THIS DRAWING ONLY FOR THE CONVENIENCE OF THE USER OF THE DRAWING AND THERE IS NO WARRANTY OR GUARANTEE OF THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE USER OF THIS DRAWING MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.



1-3" TYPE Y DUCT
INSTALL HANDBOX STA 13+19, 27' RT ALSO INSTALL 17 LF OF 1-3" CONDUIT EXTEND 1-3" DUCT THROUGH EXISTING HANDBOX TO NEW HANDBOX. DIVERT 1-3" LIGHT CONNECTION INTO NEW HANDBOX.

NOTE "A" EXISTING OBSOLETE CONDUIT HANDBOXES TO BE REPLACED WITH NEW STYLE HANDBOX TO BE SUPPLIED BY THE CITY. ADJUSTMENT TO NEW FOOTWAY GRADE BY CONTRACTOR.

CURB PROFILE (NORTH SIDE)



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

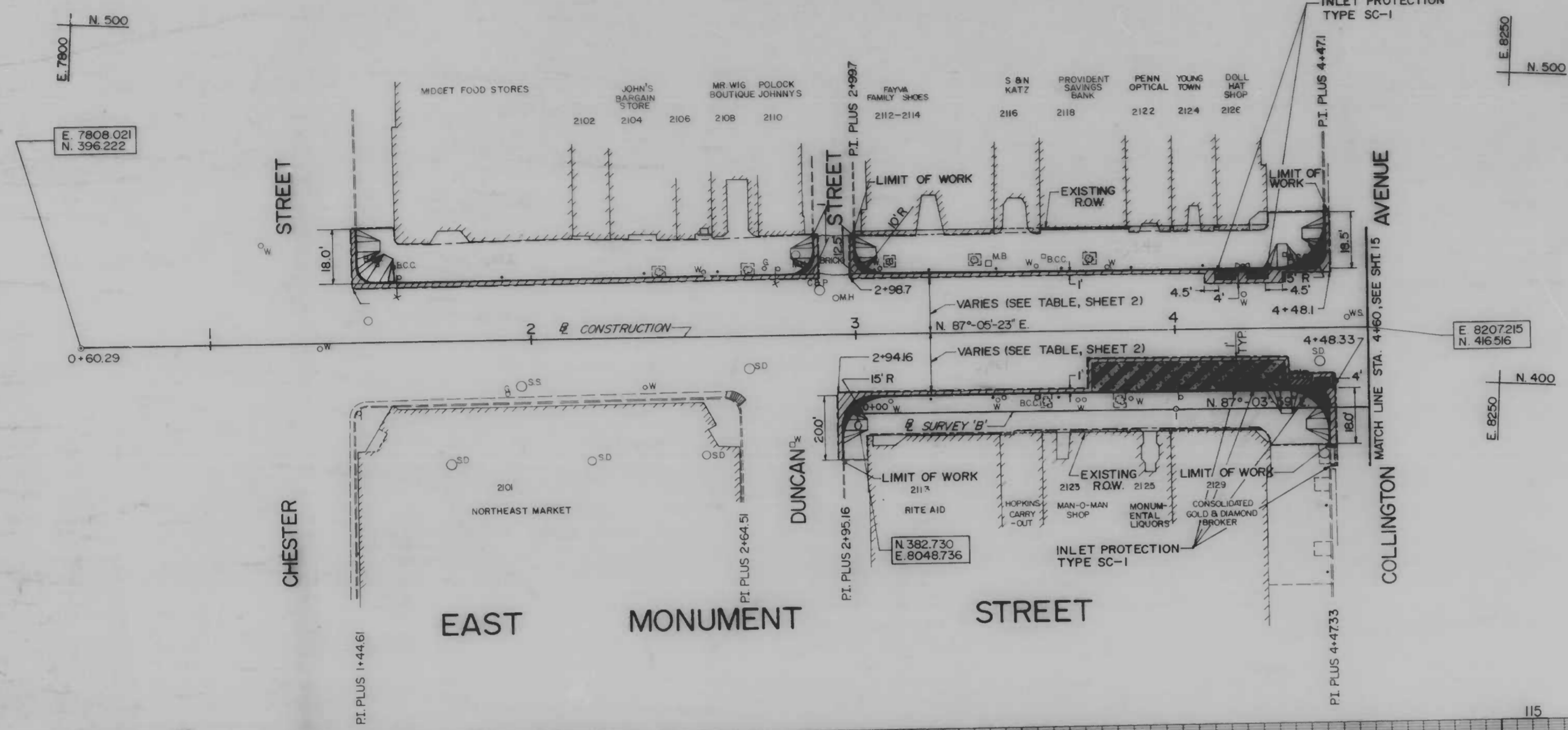
UTILITY PLAN
EAST MONUMENT STREET
BUSINESS AREA

SCALE: HORIZ. 1"=20', VERT. 1"=2'
DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO. 3096 SHEET 13 OF 21

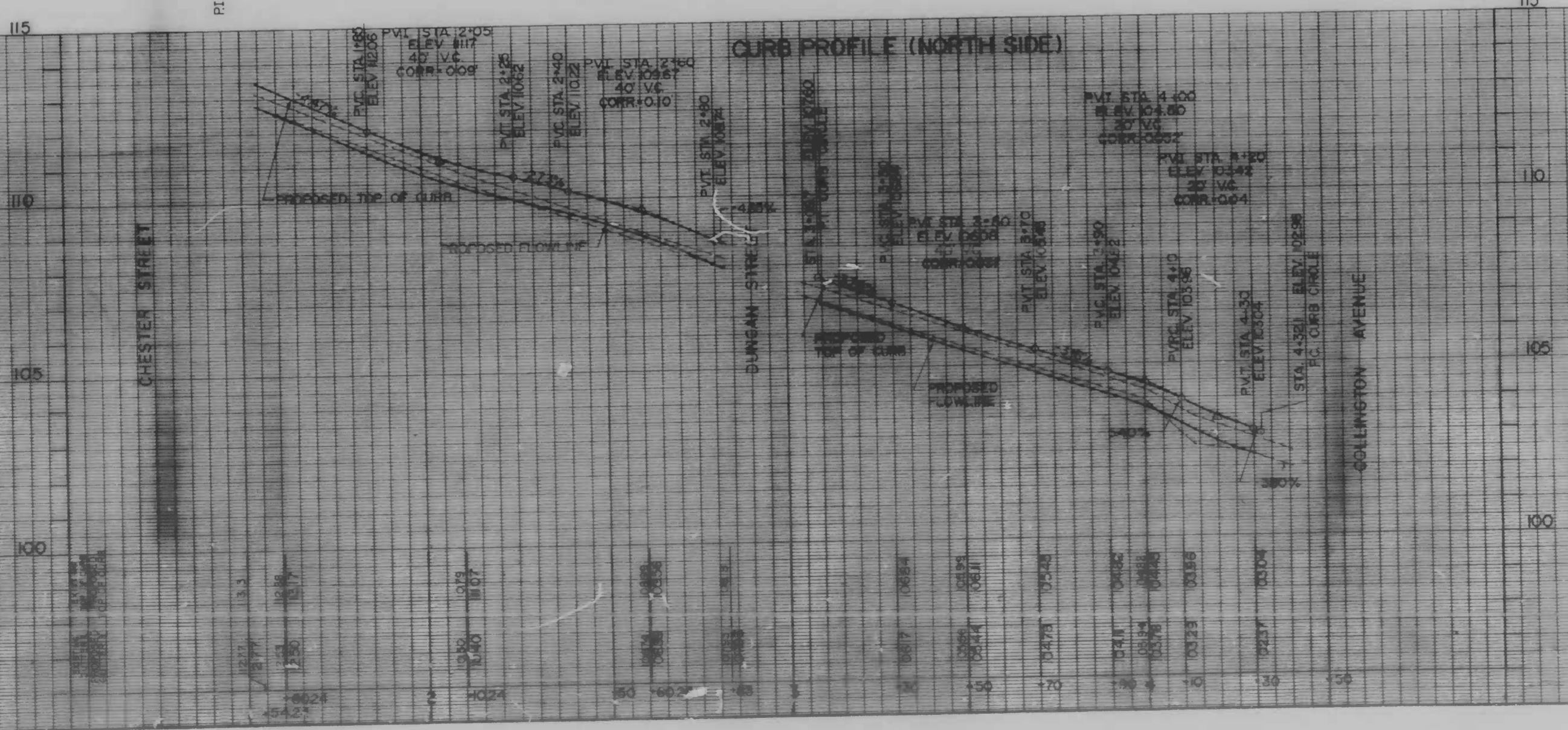
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REVISIONS		
NO.	DESCRIPTION	DATE BY



- LEGEND**
- PROPOSED 8" P.C.C. BASE COURSE, MIX No. 6
 - AREA TO BE STRIPPED AND RESURFACED
 - PROPOSED 5" CONCRETE SIDEWALK (SEE TYPICAL SIDEWALK PAVING DETAILS, SHEET 3)
 - PROPOSED BC TYPE "A" CURB
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - PROPOSED 9" REINFORCED CONC. BUS PAD MIX No. 6 (SIZE - 9' x 60')
 - INLET PROTECTION TYPE SC-1
 - LIMITS OF DISTURBANCE



CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS

EROSION AND SEDIMENT CONTROL PLAN

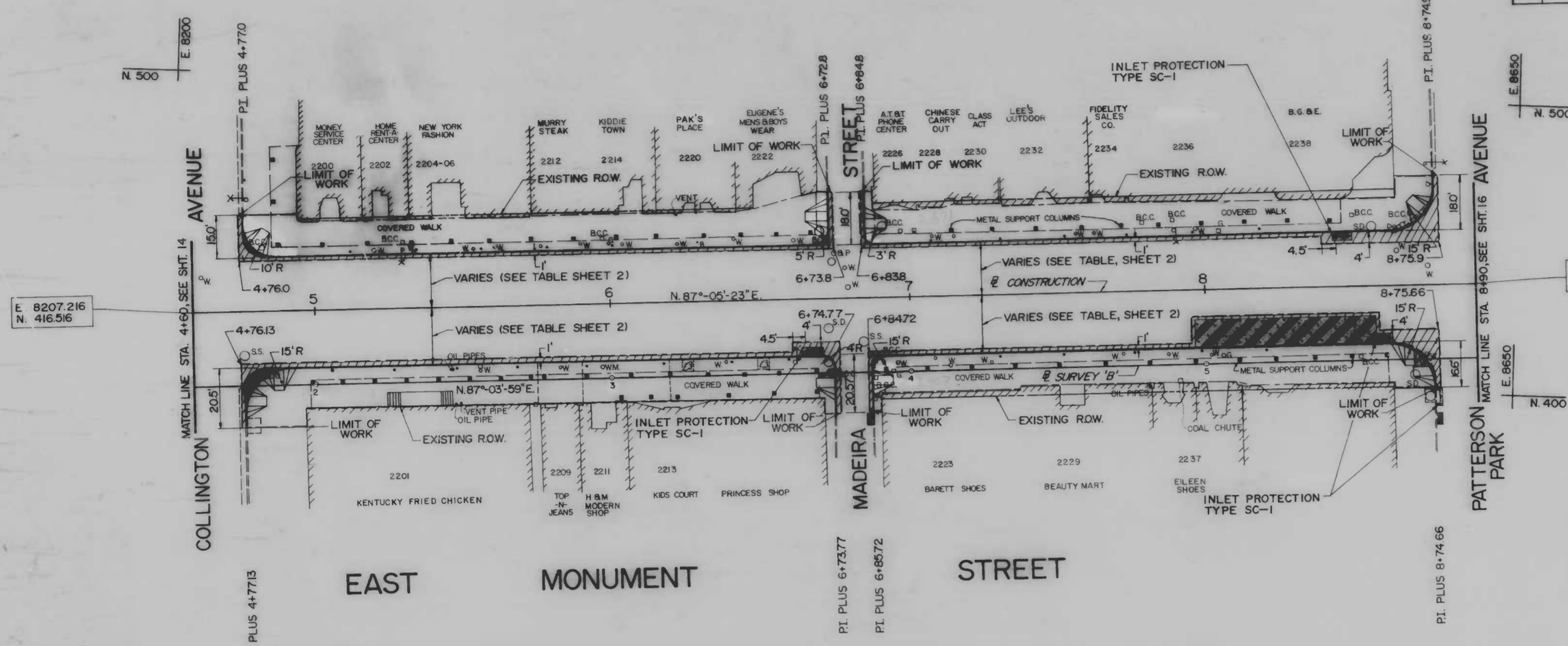
**EAST MONUMENT STREET
 BUSINESS AREA**

SCALE: HORIZ 1"=20' VERT 1"=2'
 DATE: MARCH 14, 1996
 BALTIMORE CITY CONTRACT NO 3096 SHEET 14 OF 21

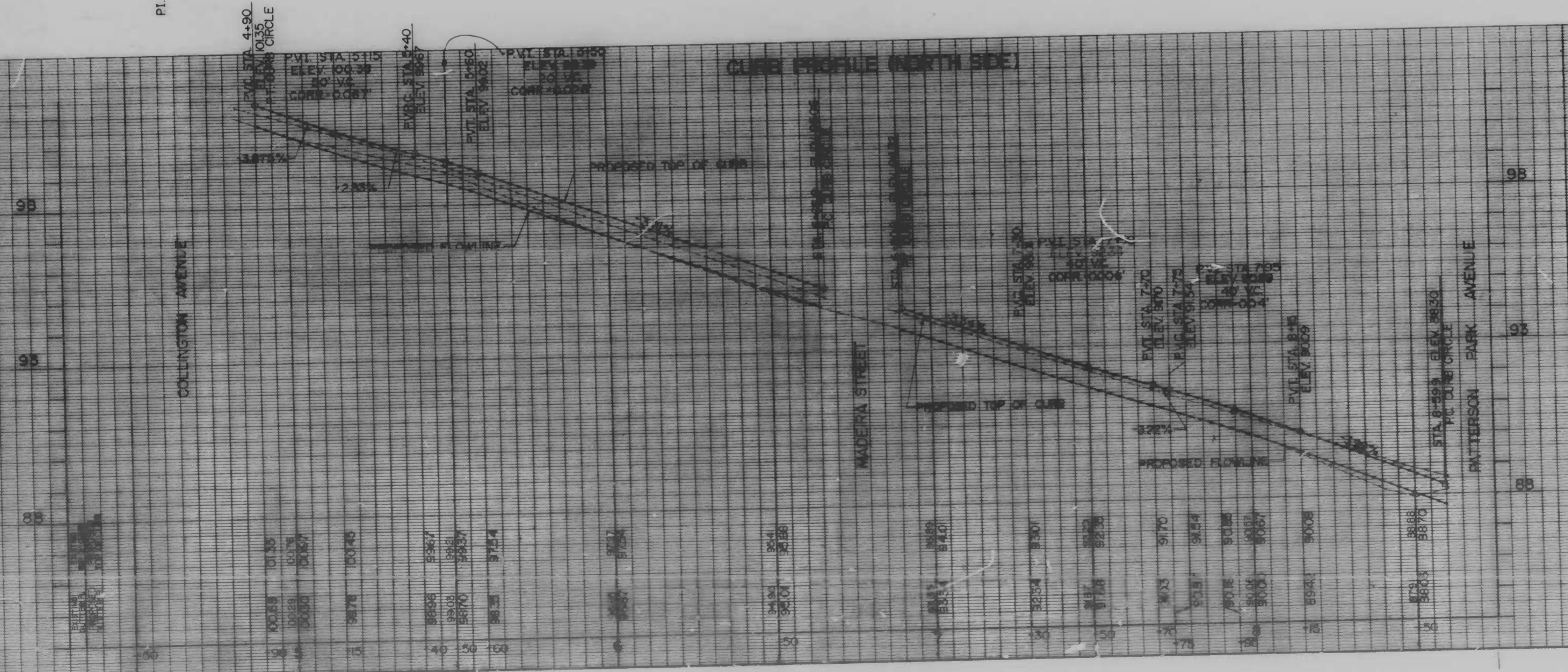
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REVISIONS		
NO	DESCRIPTION	DATE BY



- LEGEND**
- PROPOSED 8" P.C.C. BASE COURSE, MIX No. 6
 - AREA TO BE STRIPPED AND RESURFACED
 - PROPOSED 5" CONCRETE SIDEWALK (SEE TYPICAL SIDEWALK PAVING DETAILS, SHEET 3)
 - PROPOSED BC TYPE "A" CURB
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - PROPOSED 9" REINFORCED CONC. BUS PAD MIX No. 6 (SIZE 9 x 60')
 - INLET PROTECTION TYPE SC-1
 - LIMITS OF DISTURBANCE



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

EROSION AND SEDIMENT CONTROL PLAN

EAST MONUMENT STREET BUSINESS AREA

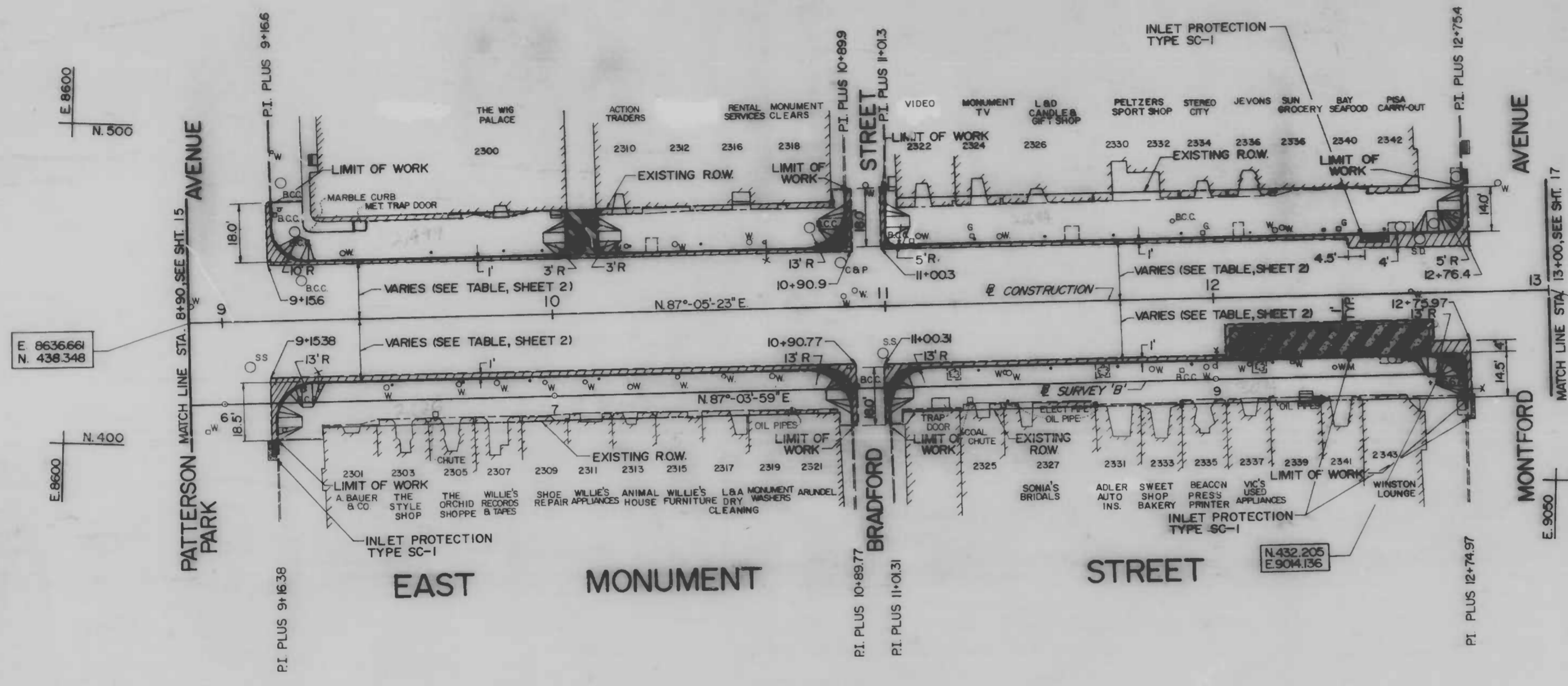
SCALE: HORIZ. 1"=20' VERT. 1"=2'
BALTIMORE CITY CONTRACT NO. 3096

DATE: MARCH 14, 1986
SHEET 15 OF 21

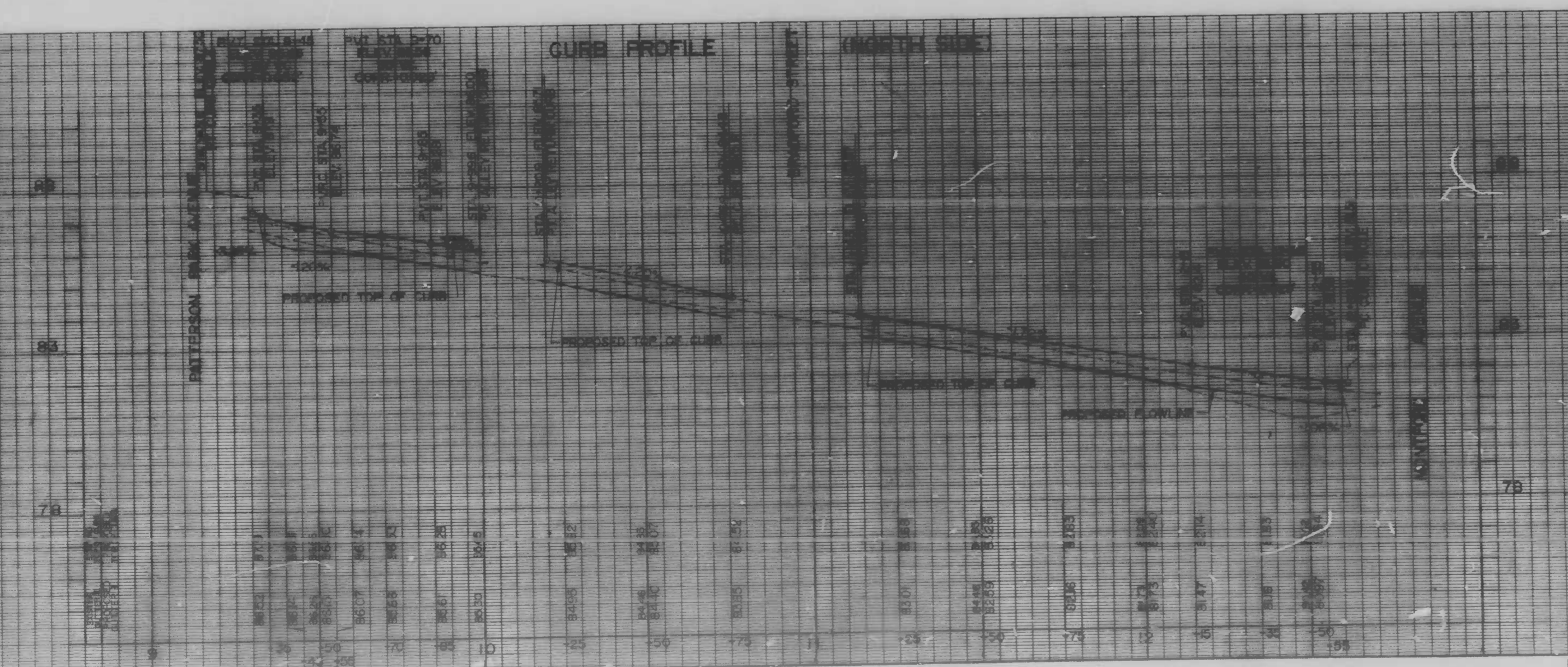
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



- LEGEND**
- PROPOSED 8" P.C.C. BASE COURSE, MIX No 6
 - AREA TO BE STRIPPED AND RESURFACED
 - PROPOSED 15" CONCRETE SIDEWALK (SEE TYPICAL SIDEWALK PAVING DETAILS, SHEET 3)
 - PROPOSED BC TYPE "A" CURB
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - PROPOSED 9" REINFORCED CONC. BUS PAD MIX No. 6 (SIZE 9' x 60')
 - PROPOSED 7" P.C.C. PAVEMENT, MIX No 6
 - INLET PROTECTION TYPE SC-1
 - LIMITS OF DISTURBANCE



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

EROSION AND SEDIMENT CONTROL PLAN

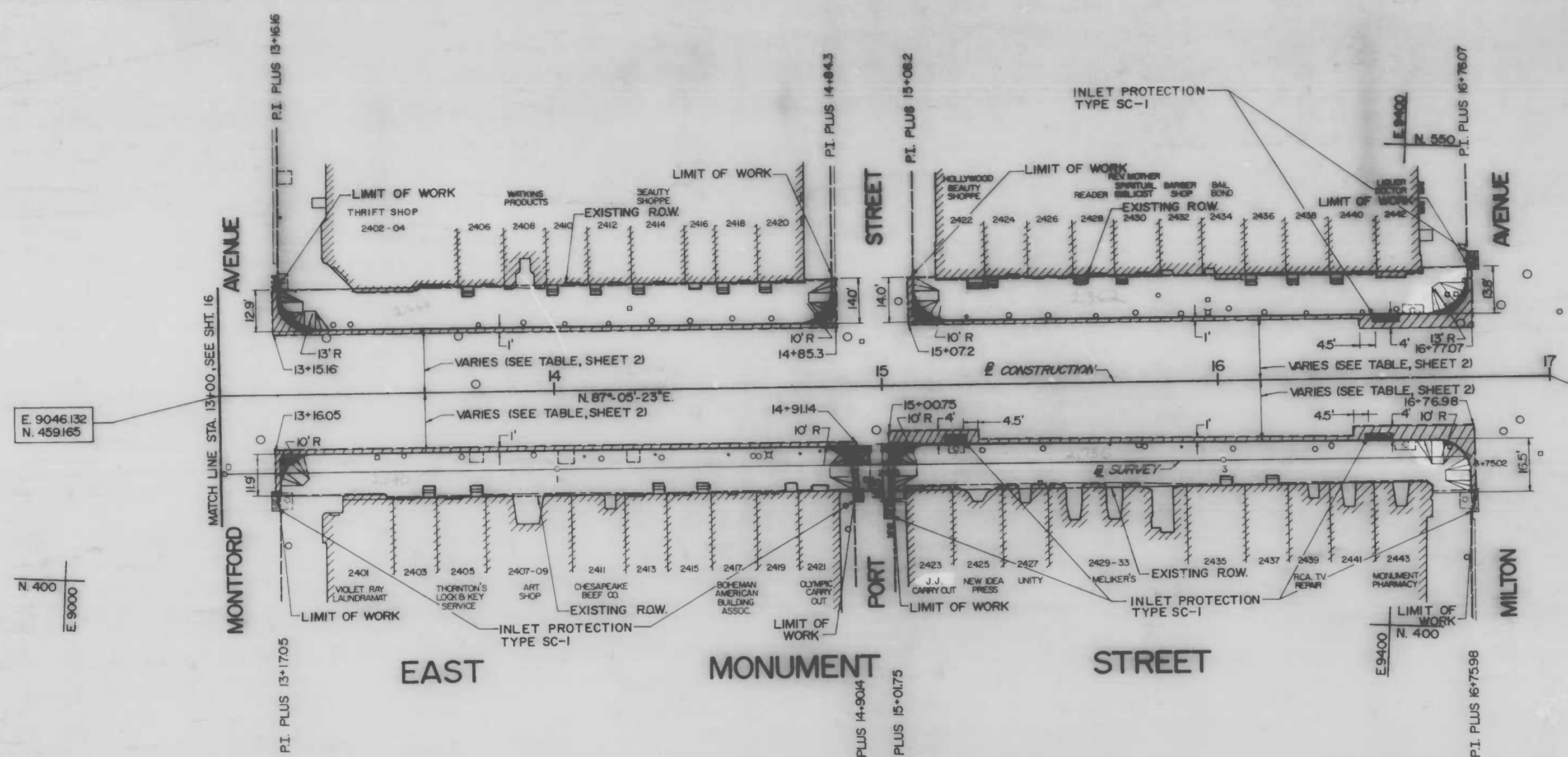
**EAST MONUMENT STREET
BUSINESS AREA**

SCALE: HORIZ. 1"=20' VERT. 1"=2'
DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO 3096 SHEET 16 OF 21

FILE REF.

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

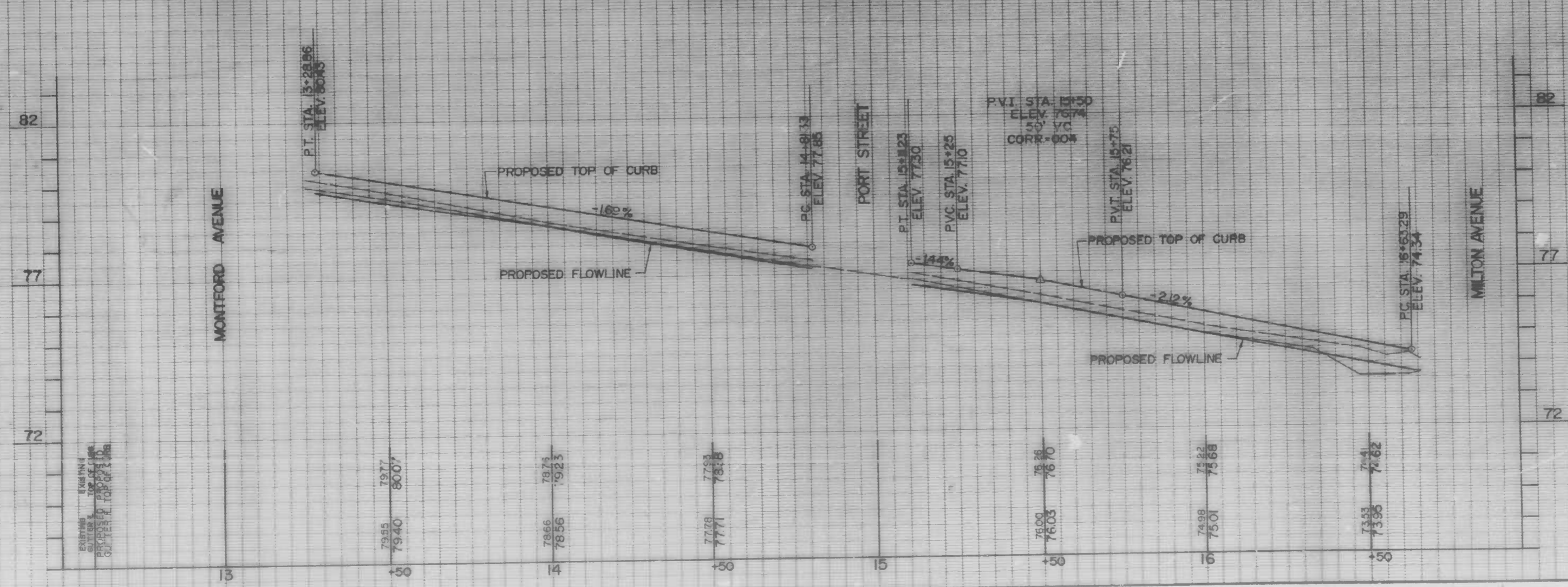


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- LEGEND**
- PROPOSED 8" P.C.C. BASE COURSE, MIX No. 6
 - AREA TO BE STRIPPED AND RESURFACED
 - PROPOSED 5" CONCRETE SIDEWALK (SEE TYPICAL SIDEWALK PAVING DETAILS, SHEET 3)
 - PROPOSED BC TYPE "A" CURB
 - PROPOSED EXPOSED AGGREGATE PEDESTRIAN RAMP
 - INLET PROTECTION TYPE SC-1
 - LIMITS OF DISTURBANCE

CURB PROFILE (NORTH SIDE)



CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

EROSION AND SEDIMENT CONTROL PLAN

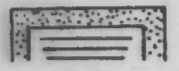

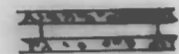
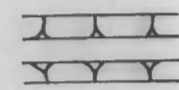
**EAST MONUMENT STREET
BUSINESS AREA**

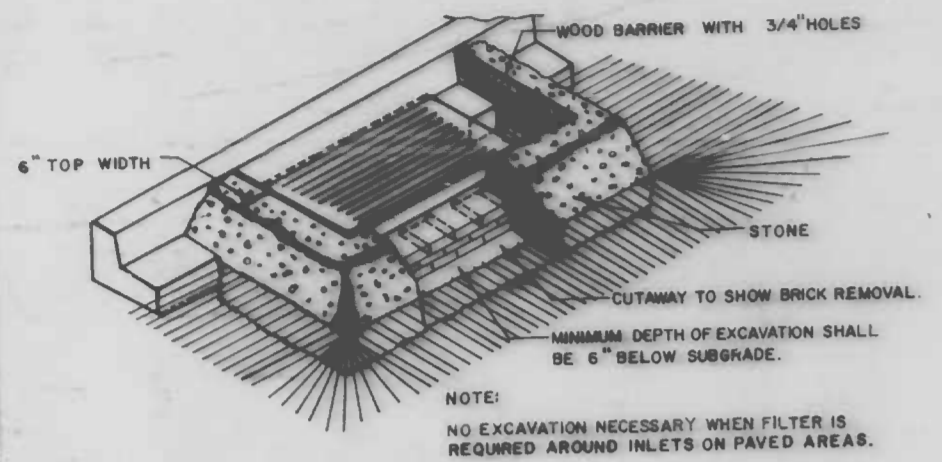
SCALE: HORIZ. 1"=20'; VERT. 1"=2'
BALTIMORE CITY CONTRACT NO. 3096
DATE: MARCH 14, 1986
SHEET 17 OF 21

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

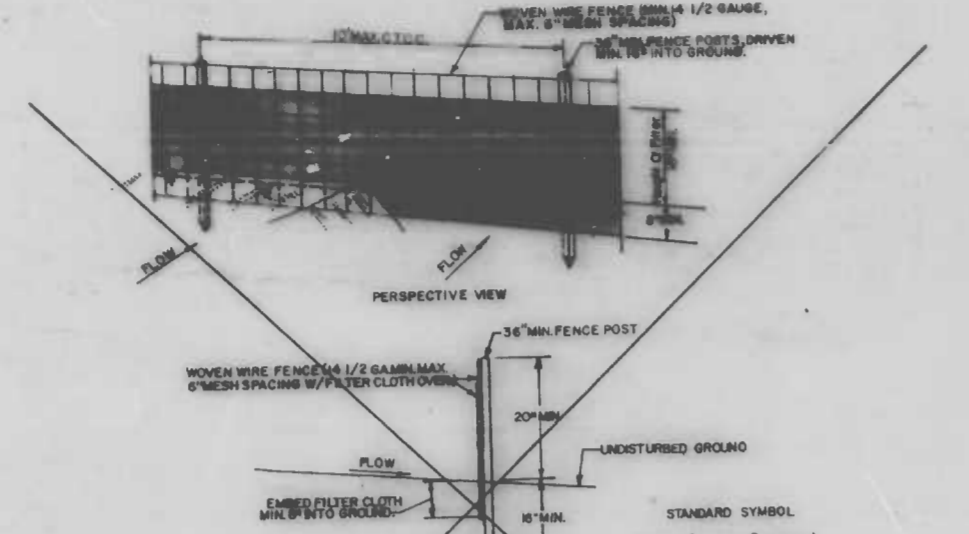
LEGEND

- LIMITS OF DISTURBANCE
-  INLET PROTECTION (SC-1 OR SC-2 AS NOTED)
- S-S- SILT FENCE (SC-3)
-  STABILIZED CONSTRUCTION ENTRANCE (SC-4)
-  STONE OUTLET STRUCTURE (SC-5)
-  EARTH/STONE DIKE (SC-6 OR SC-7 AS NOTED)



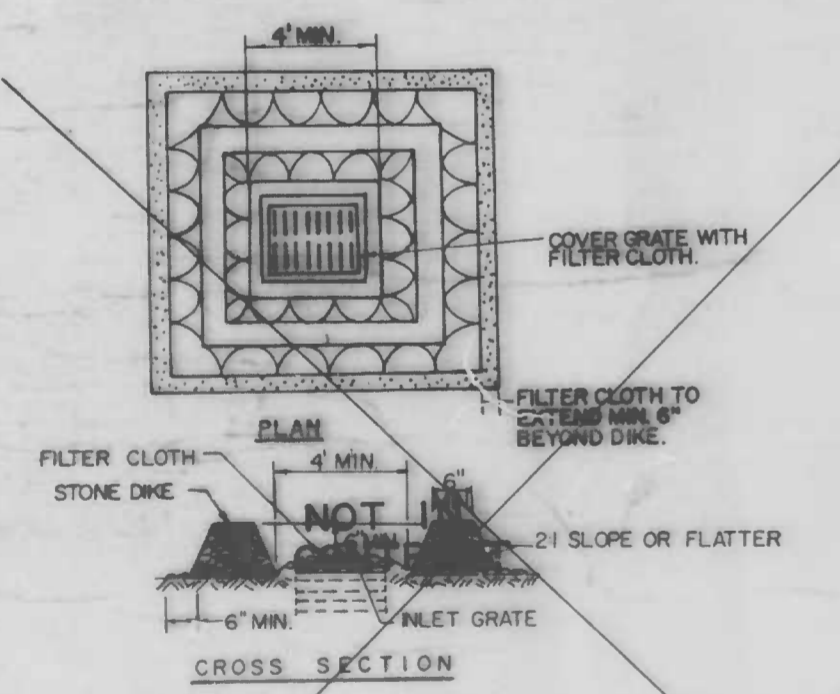
- CONSTRUCTION SPECIFICATIONS**
- Structure shall be inspected after each storm and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed when drainage area has been properly stabilized.
 - The crushed stone used in the outlet shall meet AASHTO designation M33 size no. 2 or 10 or the equivalent such as MSHA no. 2. Gravel smaller than the above gradation may be used if crushed stone is not available. Crusher run is not acceptable.

**INLET PROTECTION
DETAIL SC-1**



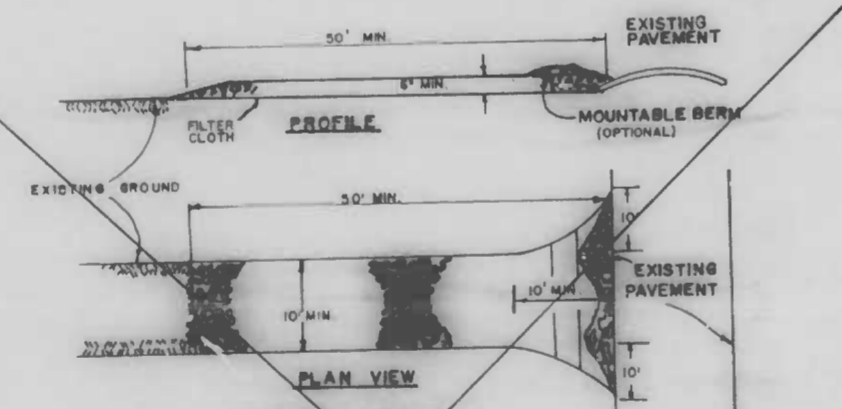
- CONSTRUCTION SPECIFICATIONS**
- Woven Wire Fence to be fastened securely to fence posts with wire ties or staples.
 - Filter Cloth to be fastened securely to Woven Wire Fence with ties spaced every 24" at top and mid section.
 - When two sections of Filter Cloth attach each other they shall be overlapped by six inches and folded.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
- POSTS:** Steel either T or U Type or 2" hardwood.
- FENCE:** Woven Wire, 1/2" Max Mesh Openings.
- FILTER CLOTH:** Filter Cloth, 100% stabilizer, 1500 or approved equal.
- PREFABRICATED UNIT:** GEOTAF, GEVOPENCE, OR Equal.

**SILT FENCE
DETAIL SC-3**



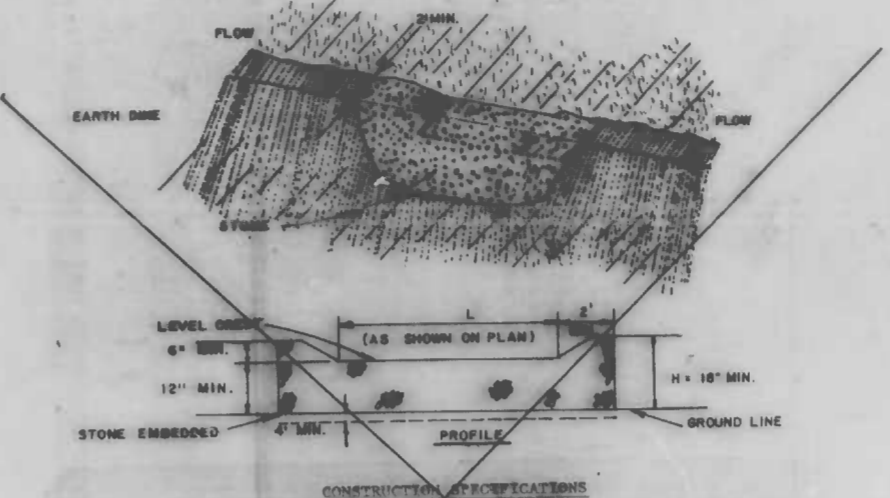
- CONSTRUCTION SPECIFICATIONS**
- Stone for the dike shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA size no. 2 or AASHTO designation M33 size no. 2 or 10. Crusher run is not acceptable.
 - Filter Cloth shall be Poly-Filter 1 or approved equal.
 - The structure shall be inspected after each rain and repaired as needed.

**INLET PROTECTION
DETAIL SC-2**



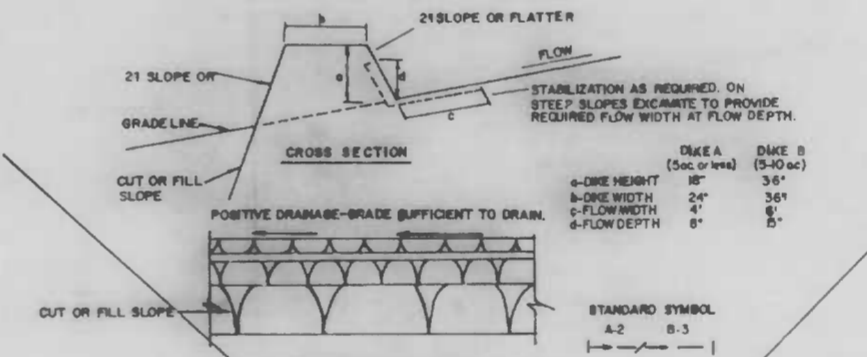
- CONSTRUCTION SPECIFICATIONS**
- Stone Size - 2 1/2" to 3" (3/4" to 1 1/2" concrete equivalent).
 - Length - As required, but not less than 10 feet (except on a single post).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
 - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be fastened on a single family residence lot.
 - Surface Water - All surface water flowing or directed toward construction entrance shall be stopped at the entrance. If unable to be stopped, a mountable berm with 2:1 slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public right-of-way. This may require periodic spot cleaning with additional stone as construction demand and weather and/or cleanup of any materials used to crop sediment. All equipment, vehicles, tractors, wheelbarrows or loaded trucks shall be cleaned and washed prior to entrance into public right-of-way. When washing is required, it shall be done on areas established with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE
DETAIL SC-4**



- CONSTRUCTION SPECIFICATIONS**
- The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA size no. 2 or AASHTO designation M33 size no. 2 or 10.
 - The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
 - The stone outlet structure shall be added into the soil a minimum of four inches.
 - The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
 - The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washout, construction traffic damage, etc.

**STONE OUTLET STRUCTURE
DETAIL SC-5**



- CONSTRUCTION SPECIFICATIONS**
- All Earth Dikes shall be constructed by earth moving equipment.
 - All Dikes shall have positive drainage to an outlet.
 - Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
 - Field location should be adjusted as needed to utilize a stabilized, safe outlet.
 - Dikes shall have an outlet that functions as a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
 - Stabilization shall be: (A) approved with standard specifications for seed and straw mulch or (B) approved with standard specifications for straw mulch as per (A). (C) Flow channel as per (A) need not be stabilized.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5-3.0%	Seed and Straw Mulch	Seed and Straw Mulch
2	3.0-10%	Seed and Straw Mulch	Seed using Jute, or Excelsior, Red 2" Stone
3	5.0-8.0%	Seed with Jute, or Sed; 2" Stone	Lined Rip-Rap 4-8"
4	8.0-20%	Lined Rip-Rap 4-8"	Engineering Design

- Stones to be 2 inch stone, or crushed concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
- Rip-Rap to be 4-8 inches in a layer at least 8 inches thickness and pressed into the soil.
- Approved equivalent can be substituted for any of the above materials.
- Periodic inspection and required maintenance must be provided after each rain event.

**EARTH / STONE DIKE
DETAIL SC-6/DETAIL SC-7**

DRAWN BY A. MOSCATO
EXAMINED BY

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

**EAST MONUMENT STREET
BUSINESS AREA**

SOIL EROSION / SEDIMENT CONTROL DETAILS

SCALE: NO SCALE
DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO 3096
SHEET 18 OF 21

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NO.	DESCRIPTION	DATE	BY

STABILIZATION SPECIFICATIONS

TEMPORARY STABILIZATION - ARTICLE 36.12

Planting Season: Temporary seeding can be done anytime of the year except when the ground is frozen. This item shall consist of furnishing and placing all fertilizer, temporary seed and mulch on areas disturbed for more than fourteen (14) days.

Schedule of Procedure: The contractor shall provide temporary stabilization as specified in the approved sediment control plan.

Seedbed Preparation: When the area to be seeded is packed and hard, the top layer of topsoil shall be loosened by raking or other means before seed is applied.

Lime: No lime shall be required for temporary seeding.

Fertilizer: Commercial fertilizer of an analysis 5-10-5 applied at a rate of 35 pounds per 1000 square feet.

Seeding: (Section 20.28-1) Seed mixture, Annual Ryegrass applied at the rate of 3 pounds per 1000 square feet.

Mulching: Applied at the rate of 100 pounds per 1000 square feet. Mulch anchoring - asphalt mix at the rate of 10 gallons per 1000 square feet. The mulch shall be applied by blowing and the asphalt binder material shall be sprayed into the mulch.

PERMANENT STABILIZATION - ARTICLE 36.06

Planting Season: No sod shall be placed between the dates of June 1 and August 15 inclusive nor at anytime when the temperature is below thirty-two (32) degrees Fahrenheit. No frozen sod shall be used and no sod shall be placed upon frozen soil.

Sodbed Preparation: Before placing or depositing sod upon any surfaces, all shaping and dressing of such surfaces shall have been completed. The completed areas to be sodded shall present a smooth, uniform, well-filled surface true to line and cross section and any raking required to accomplish this will be done prior to the placing of the sod.

Fertilizers: All areas to be sodded shall be fertilized with a commercial fertilizer of an analysis 10-10-10 and Ureaform fertilizer 3B-0-0 applied at the rate of 20 and 5 pounds respectively per 1000 square feet.
NOTE: After sod is in place, topdress the sod with Ureaform fertilizer 3B-0-0 at the rate of 5 pounds per 1000 sq. ft.

Lime: Limed at the rate of 100 pounds of ground limestone per 1000 square feet. The lime and the 10-10-10 and 3B-0-0 fertilizers shall be worked into the top two (2) inches of soil prior to placing sod.

Seedmixture Grass Sod: (Section 20.28-3)

TYPE A - Bluegrass Sod
not less than 60% Kentucky Bluegrass
not more than 35% Creeping Red Fescue
not more than 10% other grasses and legumes

TYPE B - Tall Fescue Sod
not less than 80% Tall Fescue
not more than 20% other grasses and legumes

BALTIMORE CITY SEDIMENT CONTROL

Title B, Subtitle II, Natural Resources, Annotated Code of Maryland and Baltimore City Ordinance 1013, require that provisions to control erosion and sediment shall be included for all City land disturbances. As required by State Law, construction cannot be started until such erosion and sediment control provisions are approved.

The Contractor must filter all run-off and control all sediment within the project. All work must comply with all requirements of the "Baltimore City Erosion and Sediment Control Manual" and the "1983 Maryland Standards And Specifications For Soil Erosion And Sediment Control", as distributed and modified by the Baltimore City Sediment Control Section.

Nothing herein relieves the Contractor from complying with any and all other Federal, State or Municipal Regulations.

The Contractor shall coordinate construction activities, the implementation of Traffic Control and the implementation of Inlet Protection in a manner so that no area adjacent to and/or upstream of an existing or proposed inlet is disturbed when the protection of said inlet is not physically possible due to space constraints caused by the adjacent roadway being used for traffic conveyance.

EROSION AND SEDIMENT CONTROL NOTE

- All utilities to be constructed first, prior to any construction on the site.
- No pumping from foundation excavations will be allowed directly into City system unless it is filtered by way of Sediment Traps or Filter.
- All excavation material shall be placed on the high side whenever possible and confined to an area where it will not obstruct the normal flow of drainage courses.
- Continuous inspection and maintenance of all Sediment Control devices will be required.

INSTRUCTIONS

For land disturbing activities it is understood that the following conditions will be met:

- A. Grading**
- All disturbed areas shall be protected to control erosion and to prevent sedimentation of adjacent properties, storm sewers and/or streams.
 - Sediment control devices such as, diversion berms, sediment traps, silt fences, vegetative stabilization, etc., shall be used to prevent off-site sedimentation at all times, at every location throughout the site where natural or existing conditions would cause sediment to normally wash off the site.
 - No proposed cut or fill will exceed three feet in depth (cut) or height (fill) without erosion and sediment controls. Exclusive of excavation for foundations.
 - No fill will be placed on any existing slope steeper than 5:1 without erosion and sediment controls.
 - There will be no final graded slope steeper than 2:1.
 - Borrow and/or spoil material shall not be stockpiled within the limits of this project.
 - All fills will be free of any organic or other deleterious materials and will be compacted. All areas to receive fill will have the ground surface prepared by removing all existing vegetation and root mat.
 - The proposed grading will not impair existing surface drainage, constitute a potential erosion hazard, or source of sedimentation to any adjacent property, drainage way or right-of-way.
 - All points of ingress and egress shall be protected to prevent tracking of mud onto public ways.
- B. Stabilization**
- As soon as final grading is completed, all disturbed areas will be stabilized with temporary or permanent mulch, including stone, blocktop, conc surfacing, etc.
 - For vegetating areas steeper than three horizontal units to one vertical unit, adequate mulch, fertilizer and type of seed will be placed to ensure a vigorous ground cover and such application will be repeated, if necessary, until such growth is established.
 - Timing - Following initial solid disturbances or redisturbance, permanent or temporary stabilization shall be completed within:
 - Seven calendar days for the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes greater than three horizontal to one vertical (3:1) and,
 - Twenty-four (24) hours for disturbed areas such as base repairs, alley returns, curb repairs, bus pads, pedestrian ramps, sidewalks and backfilled utility trenches. Stabilization shall consist of a minimum of 4 inch Graded Aggregate Sub-base and,
 - Fourteen calendar days for all other disturbed or graded areas.
 - For Details regarding temporary and permanent stabilization practices, reference the "1983 Maryland Standards And Specifications For Soil Erosion And Sediment Control", or contact the Baltimore City Sediment Control Representative.
 - Sediment control devices are to be removed only after all disturbed areas have been stabilized.

CONDITIONS

The Contractor will submit written notification to the Baltimore City Sediment Control Representative at least three working days before starting any grading activities, stating the following:

- The day he intends to start work
- The source of all borrow material
- The designated stockpile area
- The Contractor's staging area
- The disposal site for all excess material
- The construction sequence
- The completion day of the work

SITE DATA

I. TOTAL DISTURBED AREA = 41,400 S.F.

DRAWN BY
EXAMINED BY

Department of Public Works, Bureau of Highways
Environmental Services Division, Erosion and Sediment Control Section
309 Municipal Building, Baltimore, MD 21202
Phone - (301) 396-3693

Owners / Developers Certification

"I/We hereby certify that any clearing, grading, construction and/or development will be done pursuant to this plan and that all responsible personnel involved in the construction project will have a certification of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project."

Signature: James A. Eto Print Name: James A. Eto Date: 3/14/86
Address: 204 Municipal Bldg Phone: 396-4600

Engineer's Certification

I certify that this plan for Erosion and Sediment Control represents a practical, workable plan based on personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Baltimore City Erosion and Sediment Control Section.

Signature: William K. Smith Date: 3/14/86 Print Name: William K. Smith
Address: Cockeysville, Md. 21030 Phone: 301-683-1683

APPROVED BY: Richard W. [Signature]
EROSION & SEDIMENT CONTROL REPRESENTATIVE

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

**EAST MONUMENT STREET
BUSINESS AREA**

SOIL EROSION / SEDIMENT CONTROL NOTES

SCALE: NONE DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO. 3096 SHEET 19 OF 21

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NO.	DESCRIPTION	DATE	BY

- Notes
- All ϕ Column to ϕ Column Dimensions Are to be Verified in the Field by the Contractor Prior to Roof Panel Fabrication.
 - Portions of Existing Roof Panels Including But Not Limited to, Mounting Channel, Fastening Devices, Fascia and Step Down Trim, Fascia Beams, Are to be Removed Prior to Placement of New Panels. Building Surface Area Cleaned, Repaired and Made Water Tight.
 - Existing Conduit and Signs are to be Moved to Facilitate Mounting the Proposed Fascia Beam. Signs are to be Maintained Throughout Construction (See Specifications).
 - Required Roof Panel Lengths are to be Determined from Field Measurements Prior to Roof Panel Fabrication.

- TRAFFIC NOTES
- The contractor shall maintain all lanes of traffic on these streets between the hours of 7:00 a.m. and 4:30 p.m. and during non-work hours.
 - The contractor shall be responsible for proper installation of the work site for pedestrian and vehicular traffic, including pre-warning signs, flashing lights, barriers and cones in accordance with Part 21 of the Manual on Uniform Traffic Control Devices. Streetlights shall be maintained at all times.
 - The contractor shall notify the Department of Transportation of Transit and Traffic Control, one (1) week prior to the beginning of work.
 - The contractor shall maintain all existing traffic control devices and fixtures at all times. Any changes to the aforementioned must be approved by the Department of Transit and Traffic Control, Article 31, Section 81.
 - Should curb and gutter repair be necessary as a result of contractor damage, the contractor shall place temporary traffic barriers in such a way as to straddle the work site and not obstruct the free flow of traffic. Also, the contractor shall not place any excavated curb, curb and gutter, curb ramps, etc., in such a way as to obstruct the free flow of traffic.
 - Refer to the Specifications for additional information on maintenance of traffic.

OFFICE OF TRANSPORTATION

RICHARD H. TRAINOR DIRECTOR DATE

DEPARTMENT OF PUBLIC WORKS

FRANCIS W. KUCHTA DIRECTOR DATE

GEORGE O. PERKAKIS HEAD, BUREAU OF HIGHWAYS DATE

NEIGHBORHOOD PROGRESS ADMINISTRATION DHCD

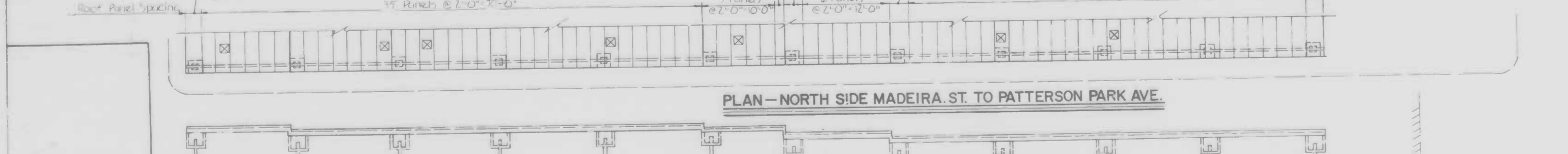
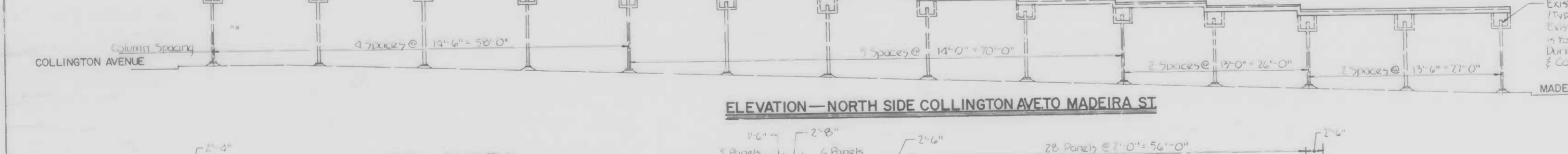
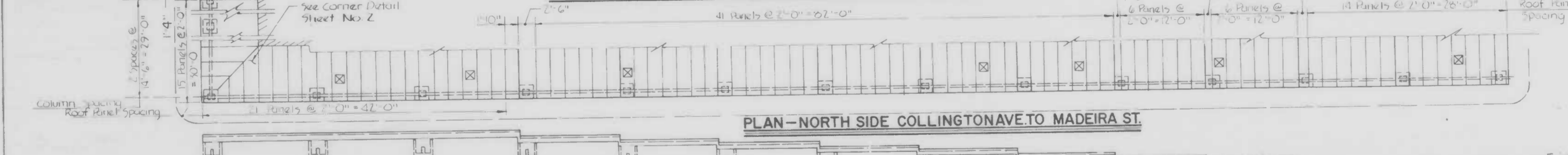
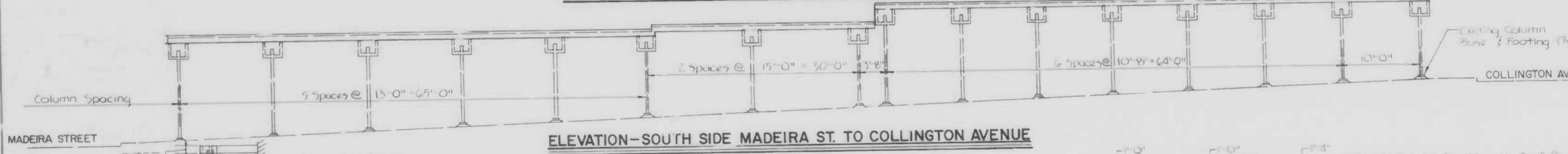
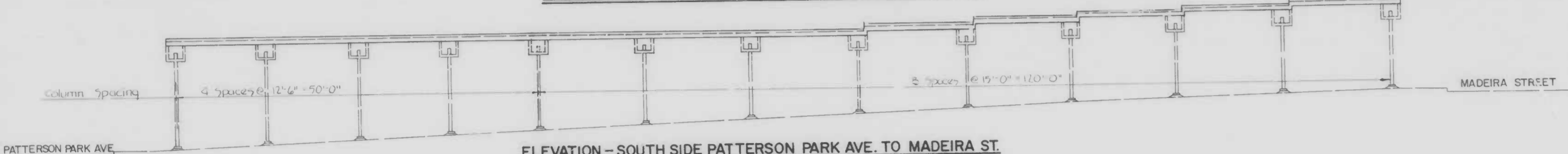
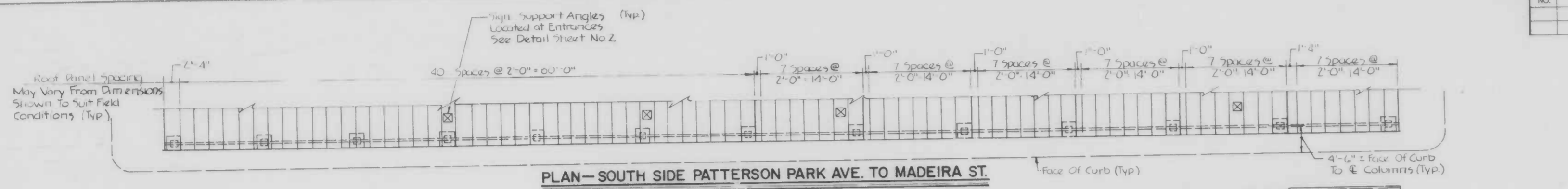
MARTIN W. PINES COMMISSIONER DATE

VITO J. MANGANO DIRECTOR, CONSTRUCTION AND BUILDINGS INSPECTION DATE

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

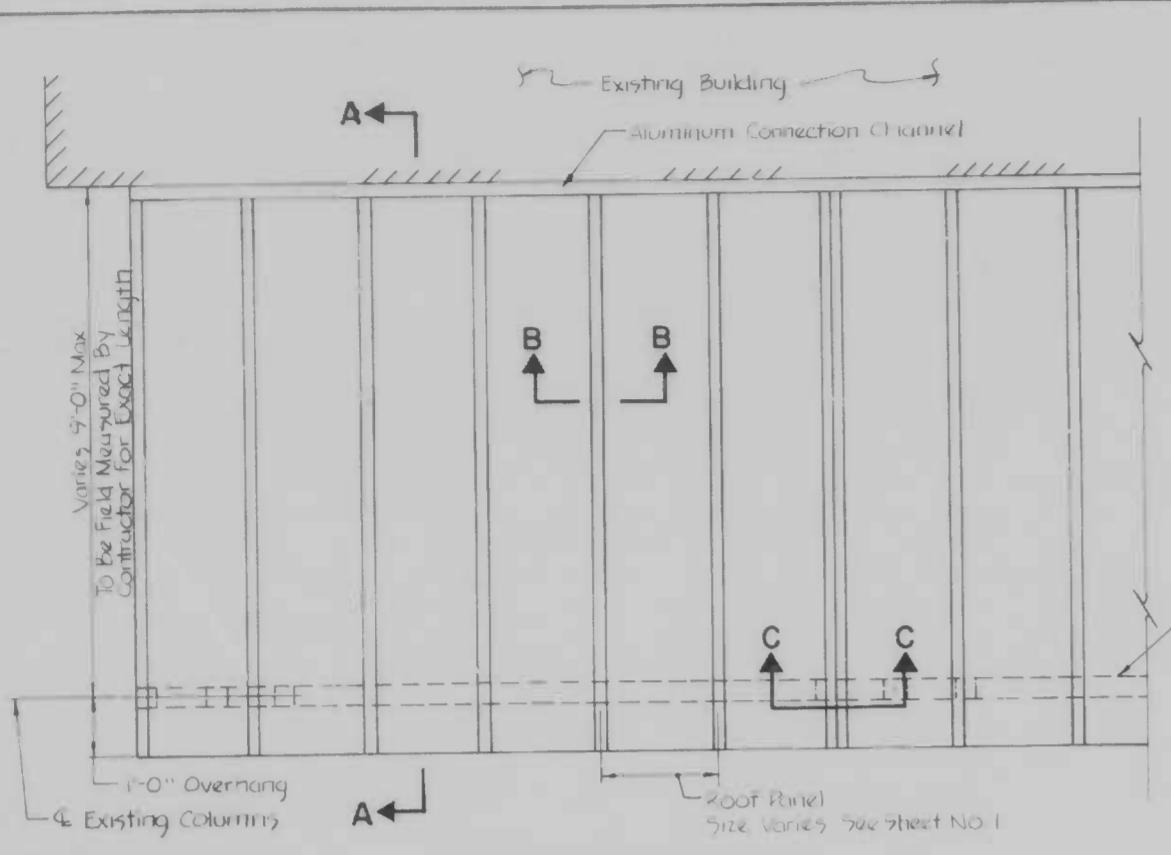
PLAN AND ELEVATION
EAST MONUMENT STREET
BUSINESS AREA
CANOPY REHABILITATION
FROM PATTERSON PARK AVE. TO COLLINGTON AVE.

SCALE 1/8" = 1'-0" DATE MARCH 14, 1986
BALTIMORE CITY CONTRACT NO. 3096 SHEET 20 OF 21

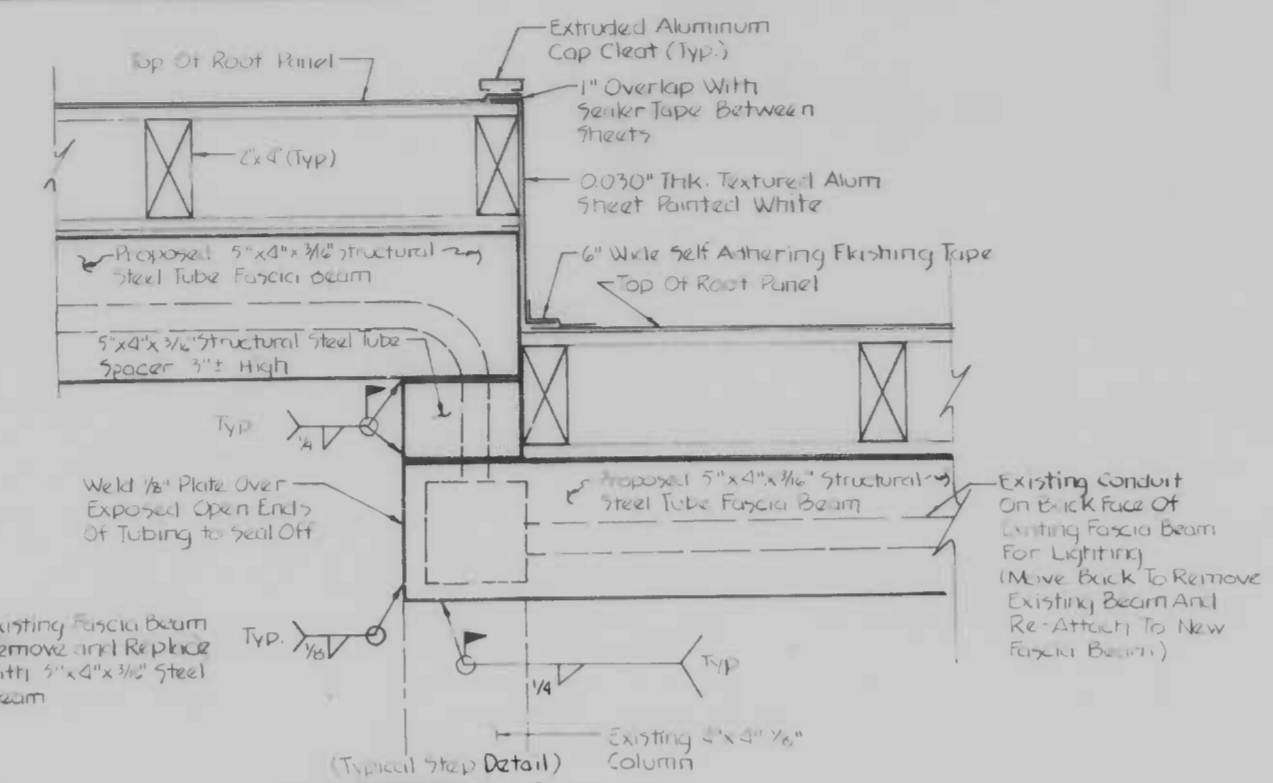


HURST-ROSCHE ENGINEERS, INC.
CONSULTING ENGINEERS
COCKEYSVILLE, MARYLAND

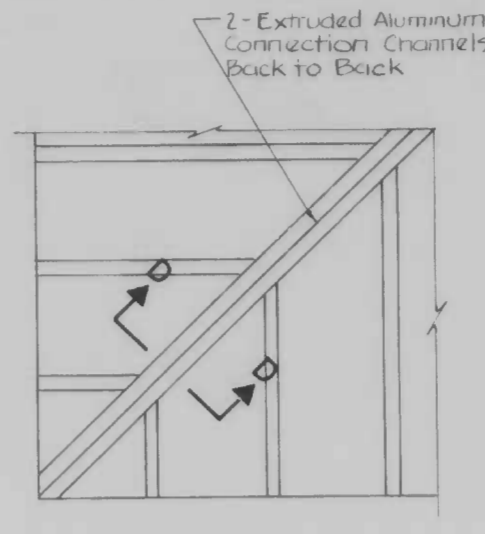
REVISIONS		
NO.	DESCRIPTION	DATE BY



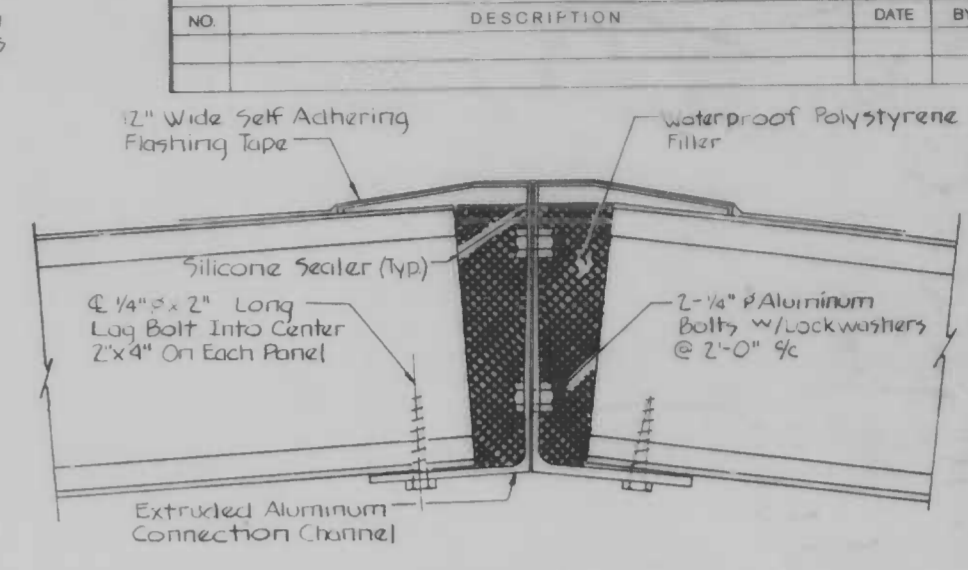
PLAN - ROOF PANELS
Scale: 1/2"=1'-0"



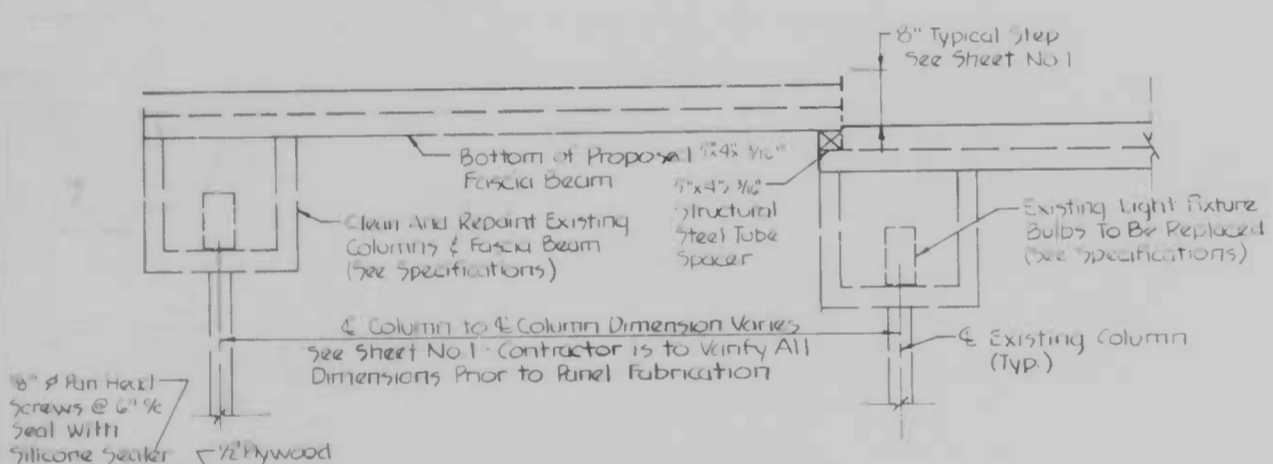
SECTION C-C
Scale: 3/4"=1'-0"



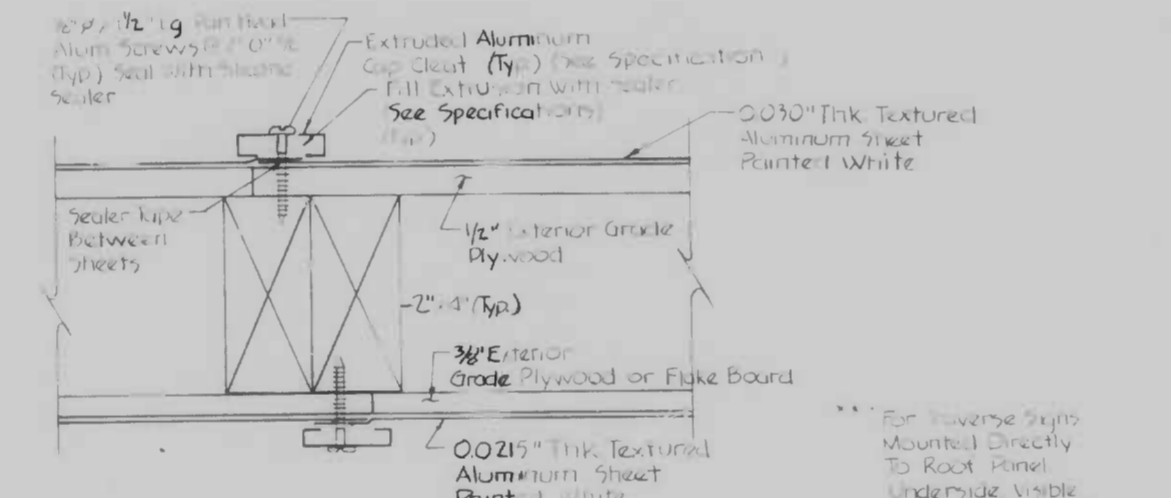
CORNER DETAIL
Scale: 1/2"=1'-0"



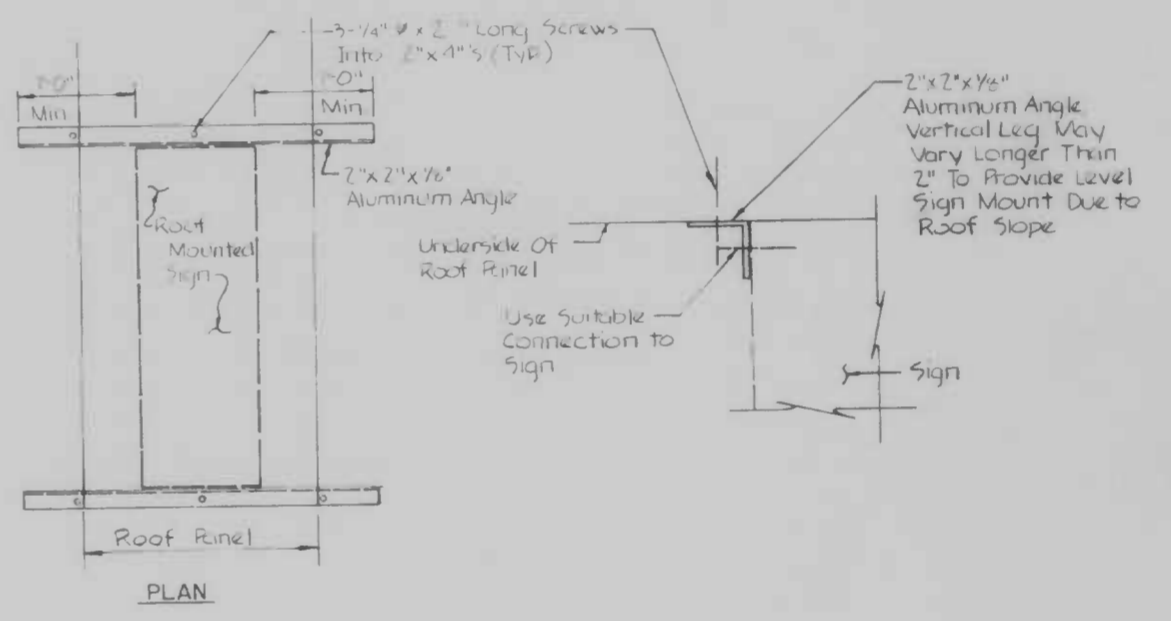
SECTION D-D
Scale: 1/2"=1'-0"



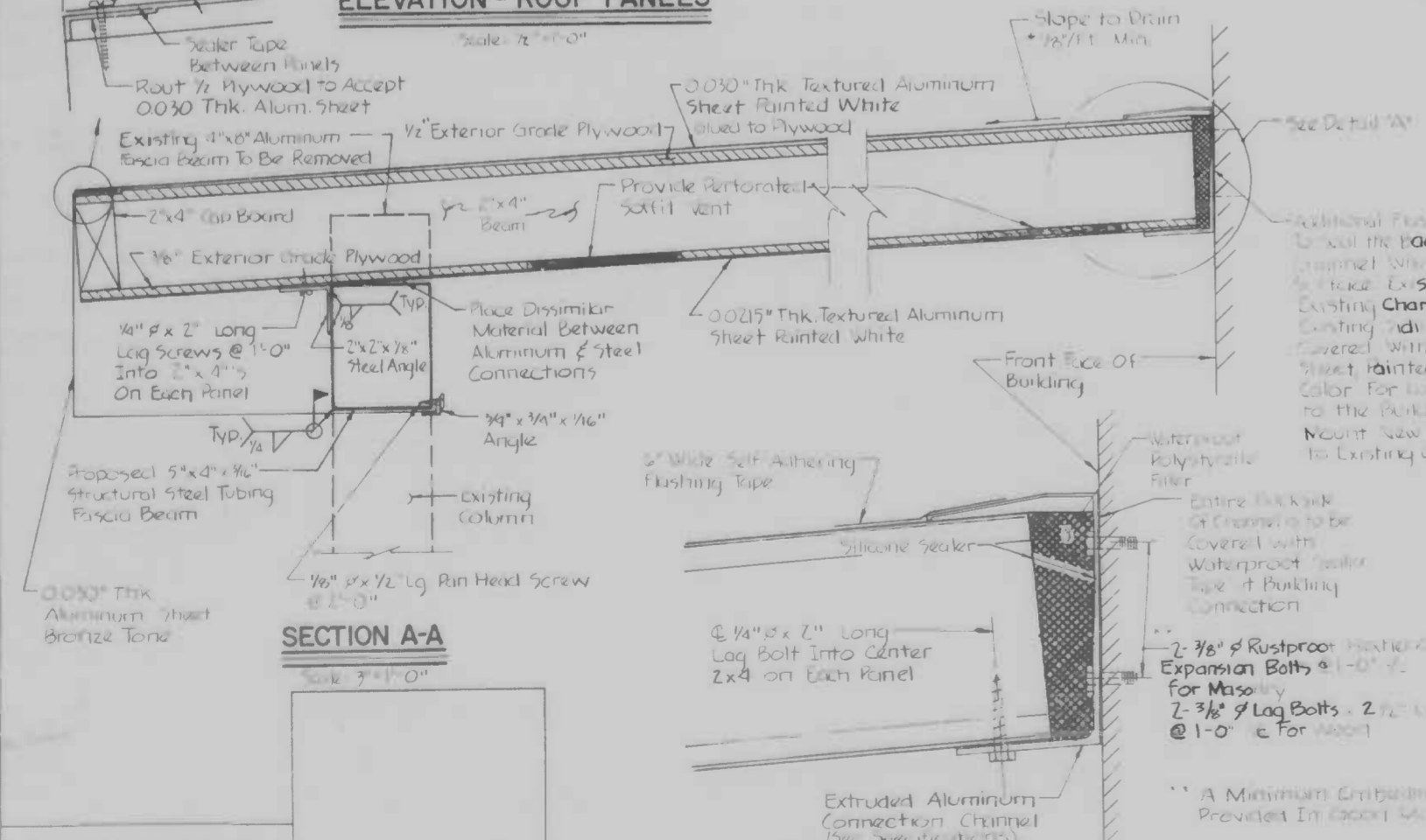
ELEVATION - ROOF PANELS
Scale: 1/2"=1'-0"



SECTION B-B
Scale: 3/4"=1'-0"



SIGN SUPPORT ANGLES
Scale: 1/2"=1'-0"

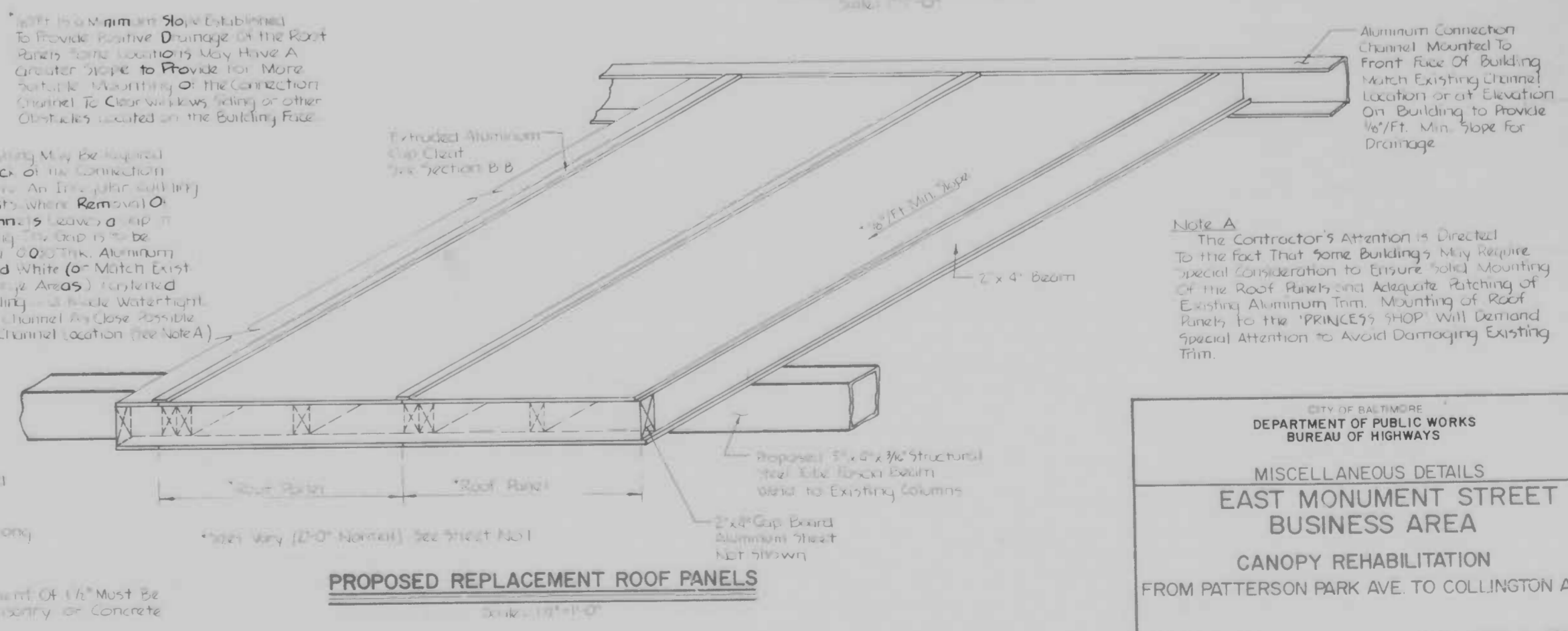


SECTION A-A
Scale: 3/4"=1'-0"

Additional Flashing May Be Required To Seal the Face of the Connection Channel Where An Irregular and Irregular Channel is Located. Existing Channels Located in a Flat or Slightly Sloped Area to Be Covered with 0.030" Thick Aluminum Sheet Painted White (or Match Existing Color for Large Areas) Installed to the Building and Made Watertight. Mount New Channel as Close as Possible to Existing Channel Location (See Note A).

Additional Flashing May Be Required To Seal the Face of the Connection Channel Where An Irregular and Irregular Channel is Located. Existing Channels Located in a Flat or Slightly Sloped Area to Be Covered with 0.030" Thick Aluminum Sheet Painted White (or Match Existing Color for Large Areas) Installed to the Building and Made Watertight. Mount New Channel as Close as Possible to Existing Channel Location (See Note A).

A Minimum Embedment of 1/4" Must Be Provided in Masonry or Concrete.



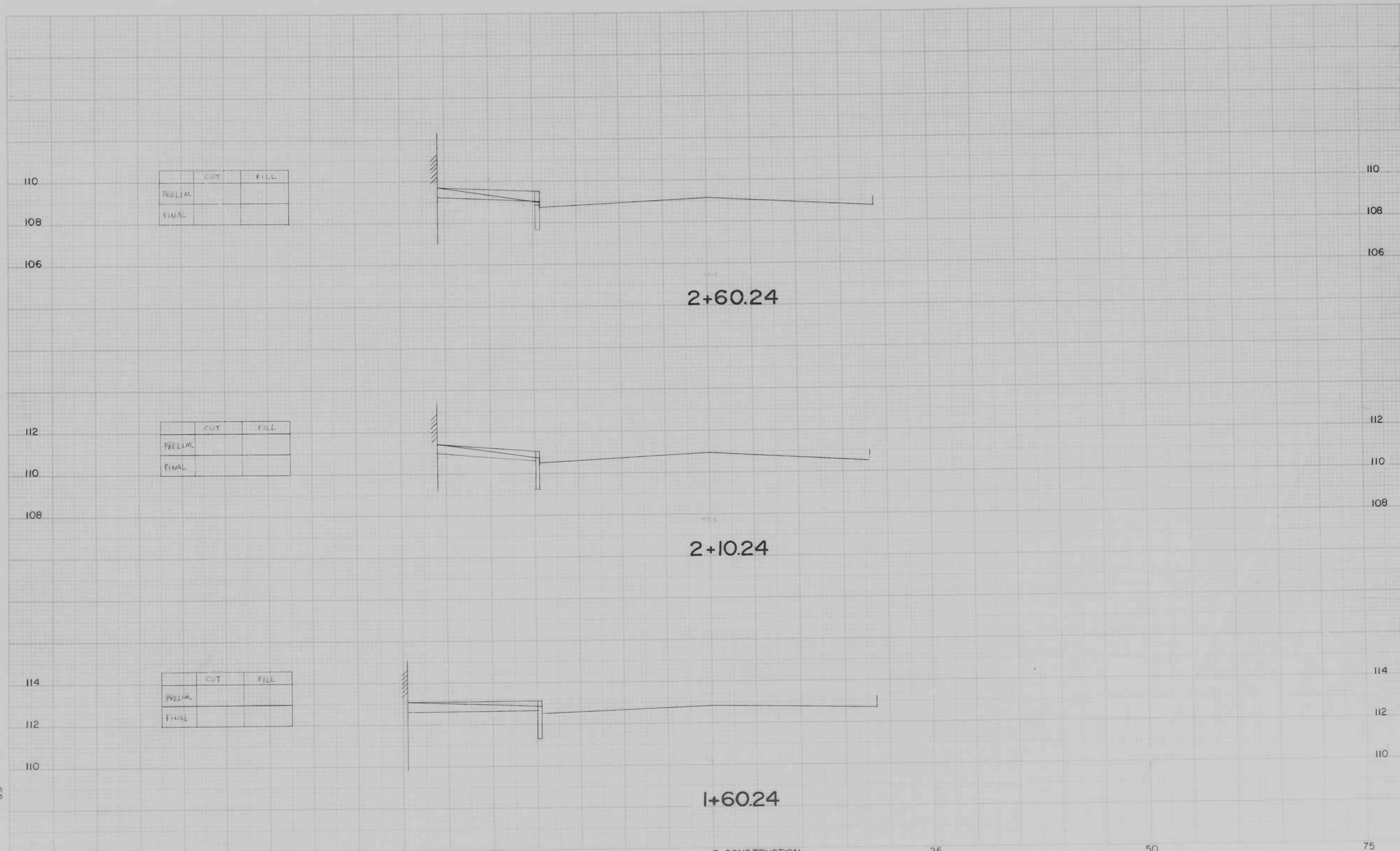
PROPOSED REPLACEMENT ROOF PANELS
Scale: 1/8"=1'-0"

Note A
The Contractor's Attention is Directed to the fact that some buildings may require special consideration to ensure solid mounting of the roof panels and adequate patching of existing aluminum trim. Mounting of roof panels to the 'PRINCE'S SHOP' will demand special attention to avoid damaging existing trim.

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

MISCELLANEOUS DETAILS
**EAST MONUMENT STREET
BUSINESS AREA**
CANOPY REHABILITATION
FROM PATTERSON PARK AVE. TO COLLINGTON AVE.

SCALE AS SHOWN DATE: MARCH 14, 1986
BALTIMORE CITY CONTRACT NO. 3096 SHEET 21 OF 21
FILE REF.



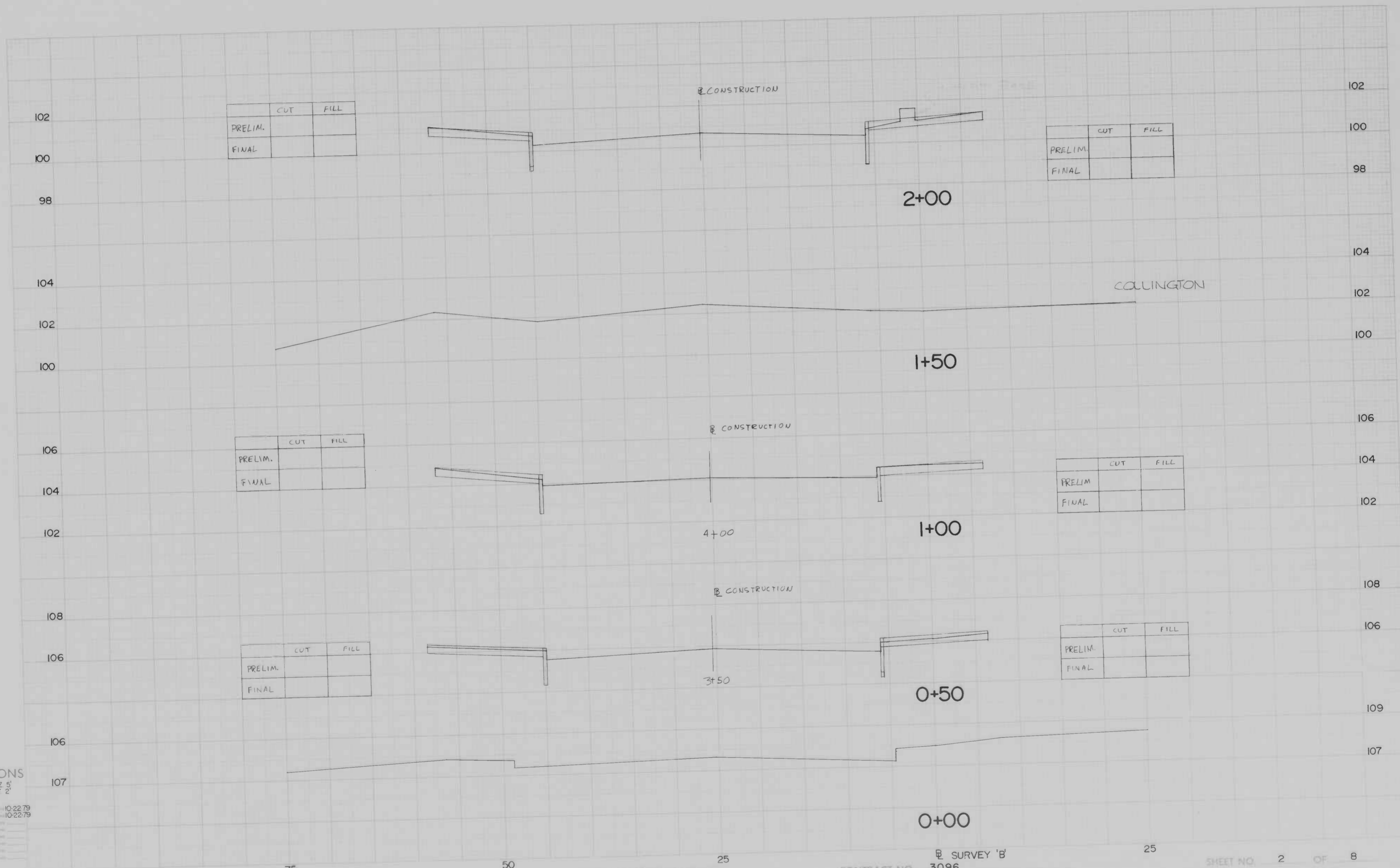
	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

CROSS SECTIONS
Scale: 1" = 25' HORIZ
2" = 10' VERT

Original Written by: E.R. Date: 12/19/85
 Original Checked by: P.C. Date: 12/19/85
 Prepared by: _____
 Checked by: _____
 Date: _____
 Date: _____
 Date: _____



CROSS SECTIONS
Scale 1 inch = 10 feet
HORIZ 5'
VERT 2'

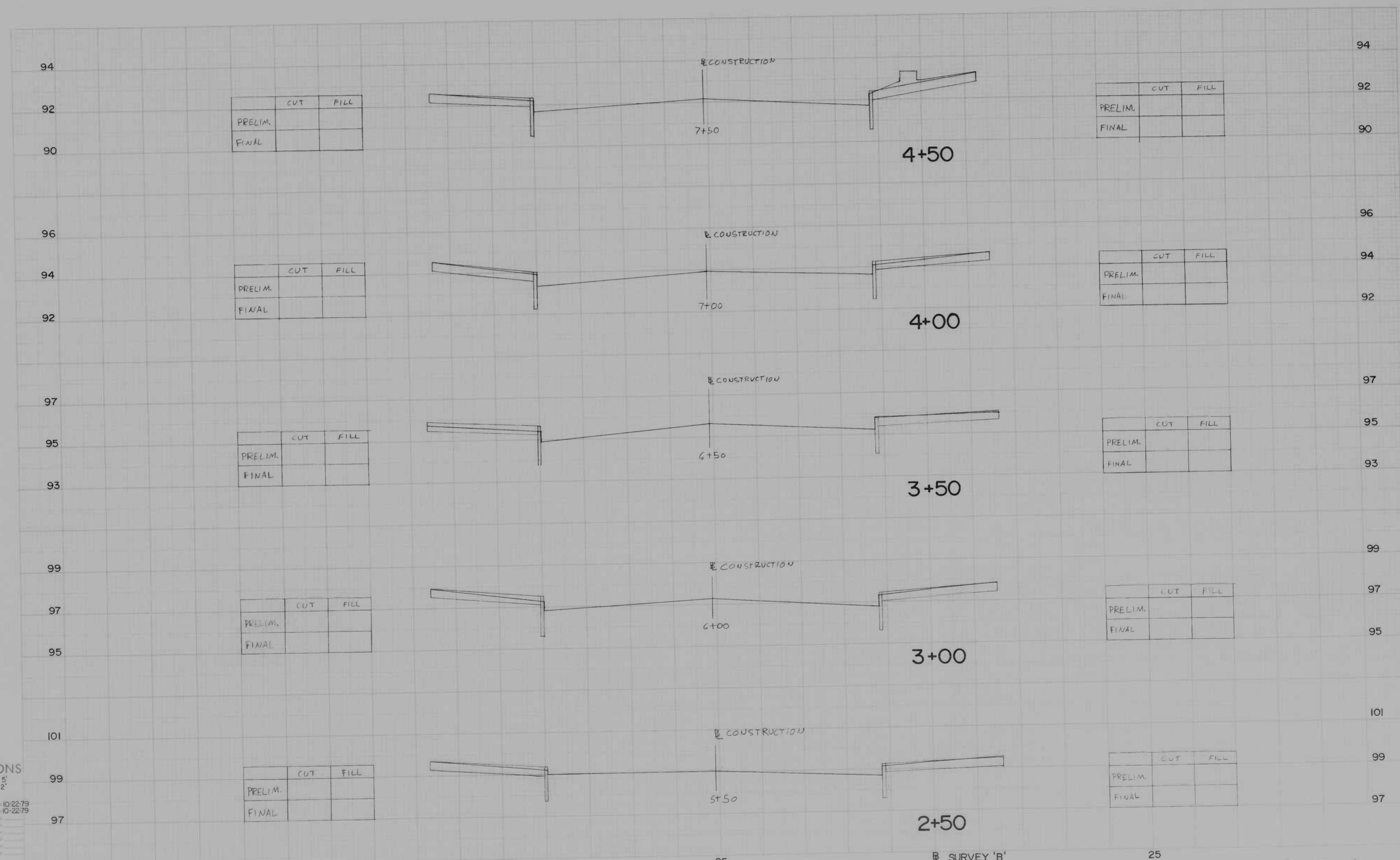
Designed By	J.W.S.	Date	10-22-79
Checked By	MSV	Date	10-22-79
Drawn By		Date	
Project Engineer		Date	
Project Manager		Date	
Project Director		Date	
Project Coordinator		Date	

BOOK NO. 1912

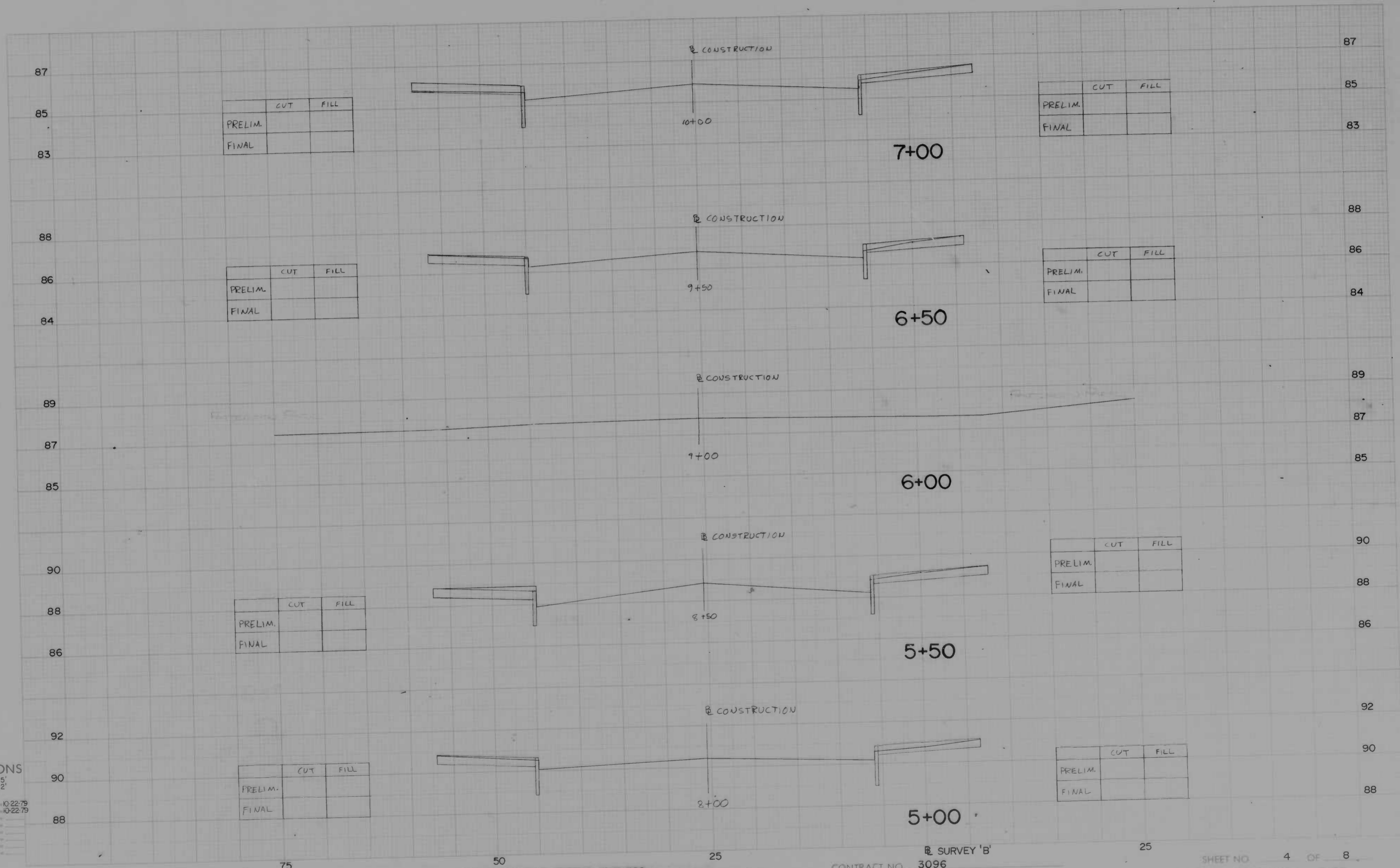
PROJECT EAST MONUMENT STREET BUSINESS AREA
DESCRIPTION EAST MONUMENT STREET

CONTRACT NO. 3096
SURVEY 'B'

STATION 0+00 TO STATION 2+00
SHEET NO. 2 OF 8



CROSS SECTIONS
 Scale: HORIZ 5' VERT 2'
 Original Stationing: JWS, MSV, 10-22-79
 Proposed Stationing: MSV, 10-22-79
 Checked By: _____
 Drawn By: _____
 Project Engineer: _____
 Date: _____



CROSS SECTIONS

Scale: HORIZ 5' VERT 2'

Original Plans by JWS 10-22-79
 Original Checked by MSV 10-22-79

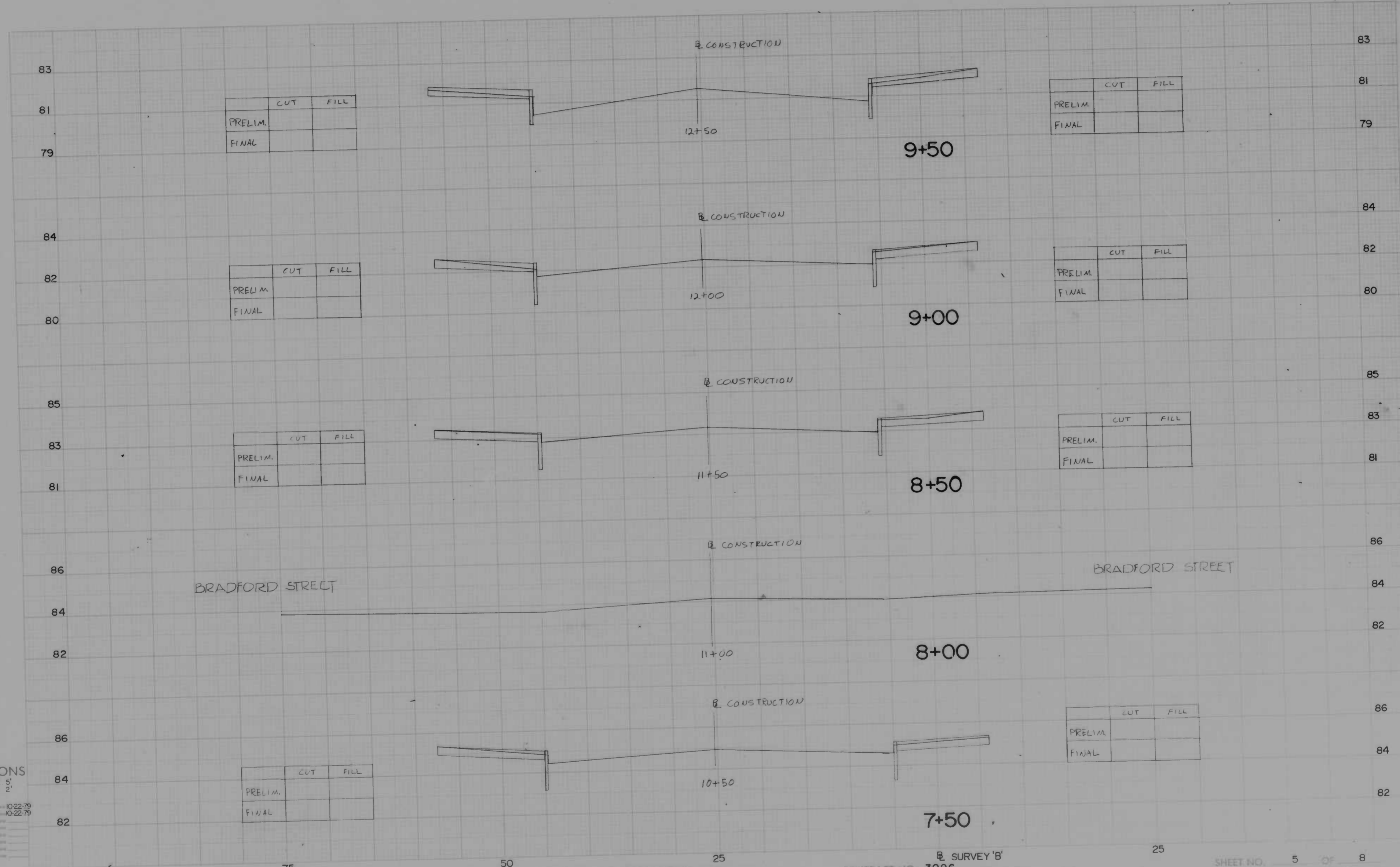
Drawn by _____
 Checked by _____
 Project Engineer by _____
 Plans Checked by _____
 Date _____

BOOK NO. 1912

PROJECT EAST MONUMENT STREET BUSINESS
 DESCRIPTION EAST MONUMENT STREET

CONTRACT NO. 3096
 SURVEY 'B'

SHEET NO. 4 OF 8
 STATION 5+00 TO STATION 7+00



CROSS SECTIONS

Scale 1 inch = HORIZ 5' VERT 2'

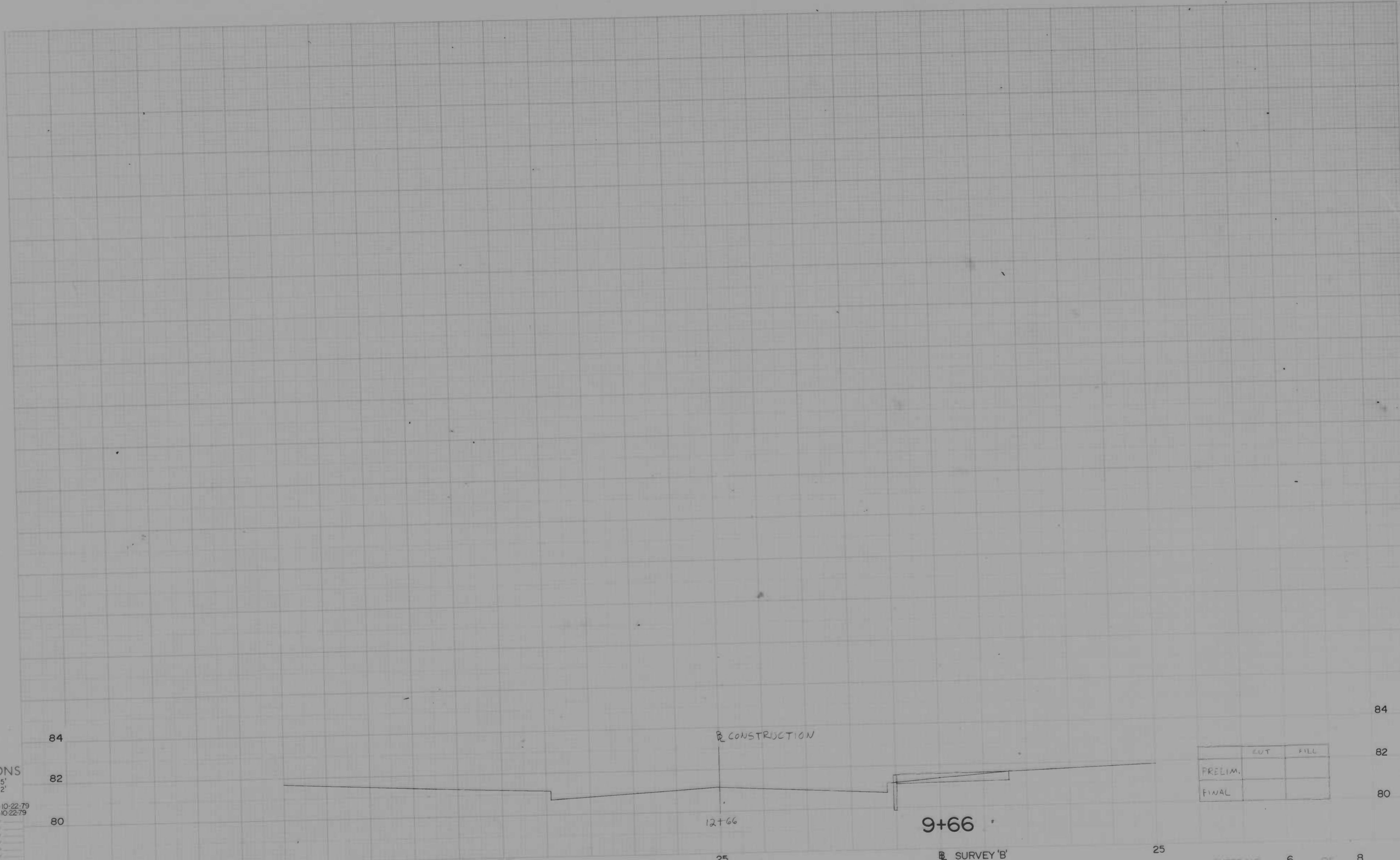
Original Plan by J.W.S. Date 10-22-79
 Original Station by MSV Date 10-22-79
 Proposed by _____
 Checked by _____
 Approved by _____
 Date _____

BOOK NO. 1912

PROJECT EAST MONUMENT STREET BUSINESS AREA
 DESCRIPTION EAST MONUMENT STREET

CONTRACT NO. 3096 SURVEY 'B'

SHEET NO. 5 OF 8
 STATION 7+50 TO STATION 9+50



	EUT	FILL
PRELIM.		
FINAL		

CROSS SECTIONS

Scale 1" = 40' HORIZ 5'
VERT. 2'

J.W.S. 10-22-79
M.S.V. 10-22-79

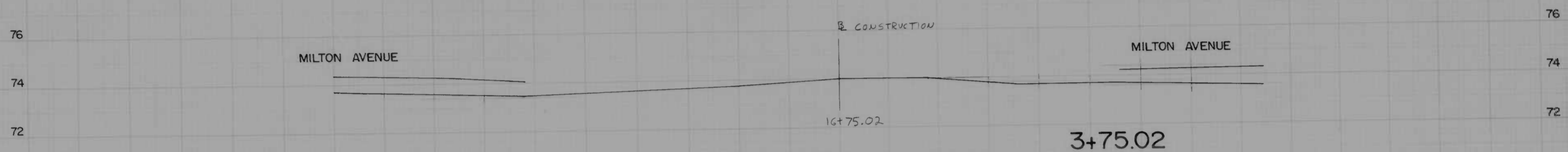
Checked by _____
Drawn by _____
Reviewed by _____
Date _____

BOOK NO. 1912

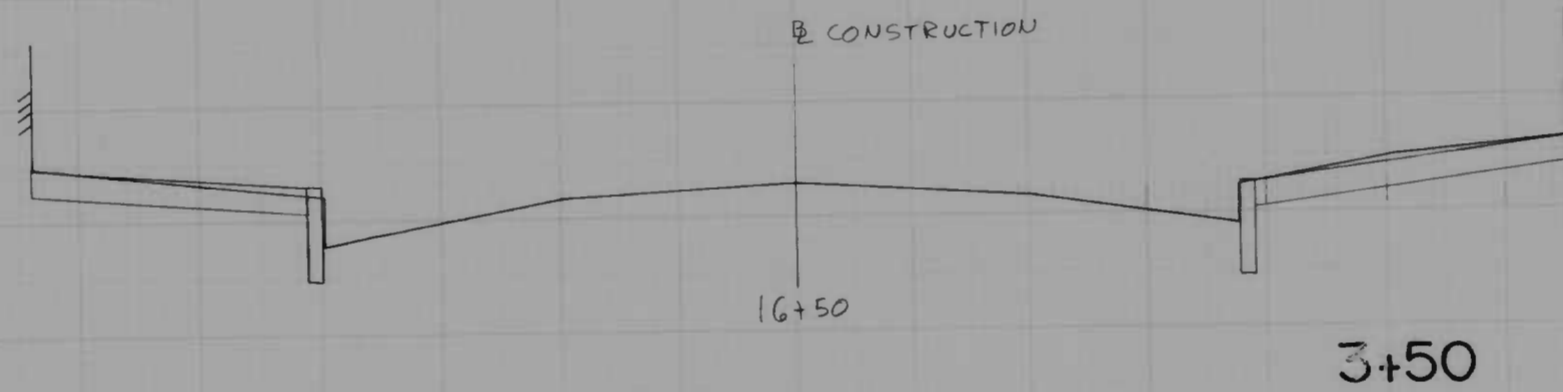
PROJECT EAST MONUMENT STREET BUSINESS AREA
DESCRIPTION EAST MONUMENT STREET

CONTRACT NO. 3096
SURVEY 'B'

STATION 9+66 TO STATION _____
SHEET NO. 6 OF 8

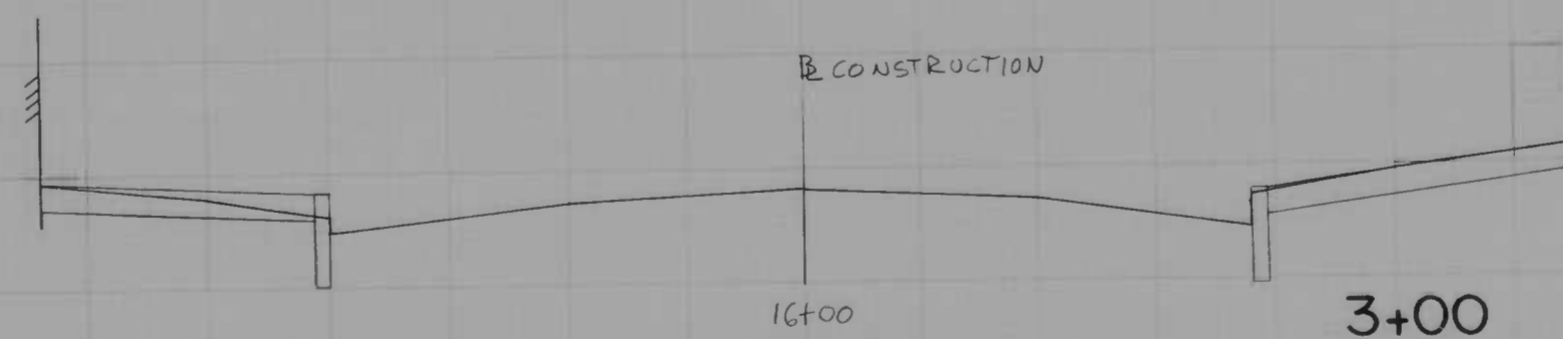


	CUT	FILL
PRELIM.		
FINAL		



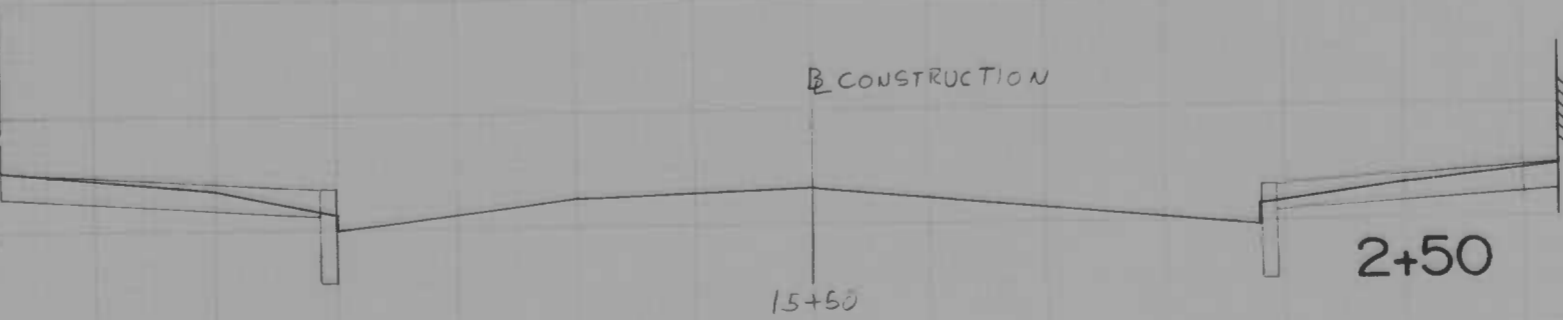
	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		



	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		



	CUT	FILL
PRELIM.		
FINAL		

CROSS SECTIONS
Scale 1 inch = 10 feet

B.E.S. 8/784
 Original Proposed by
 Proposed by
 Checked by
 Date
 Date
 Date

BOOK NO.

75

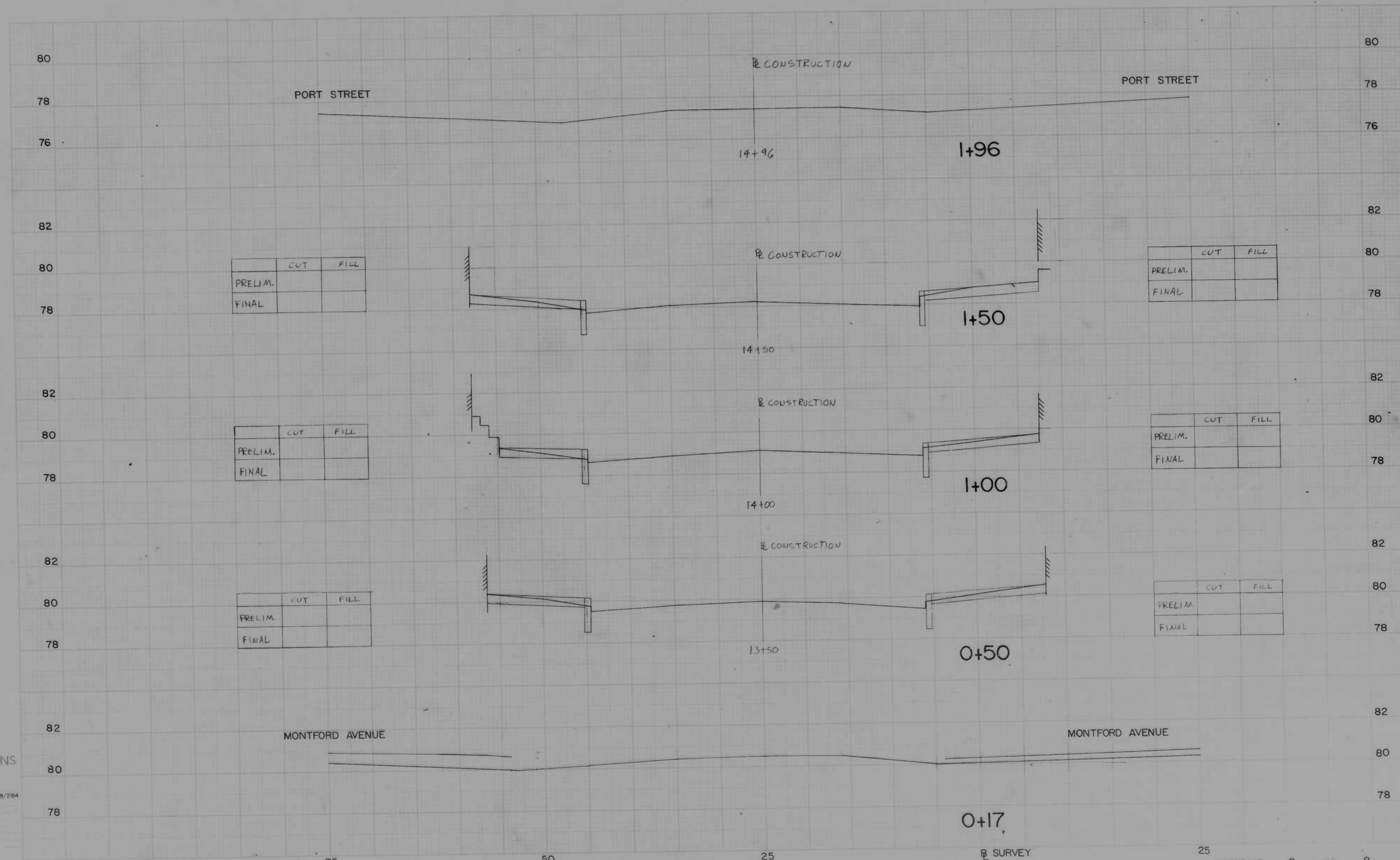
PROJECT EAST MONUMENT STREET BUSINESS AREA
 DESCRIPTION EAST MONUMENT STREET

CONTRACT NO. 3096

BY SURVEY

STATION 2+50

SHEET NO. 7 OF 8
 TO STATION 3+75.02



	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

	CUT	FILL
PRELIM.		
FINAL		

CROSS SECTIONS

BES. 8/784