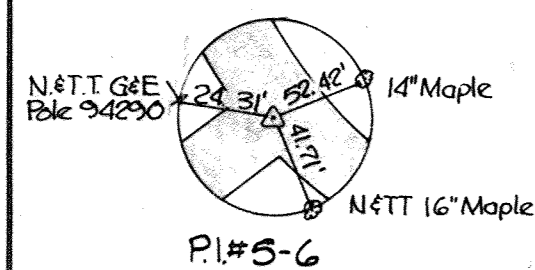
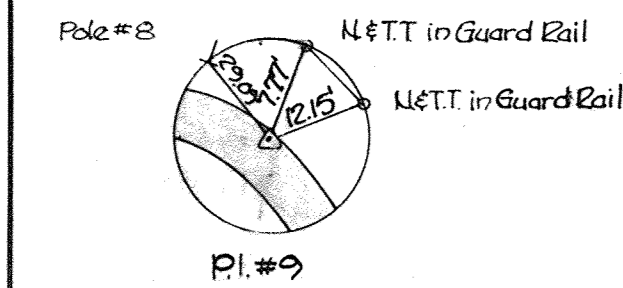
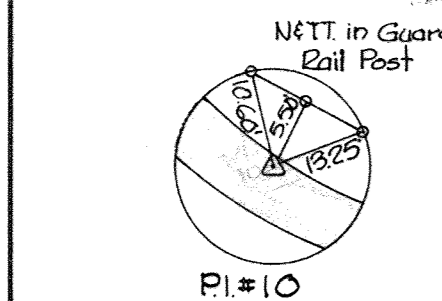


DYE TESTS

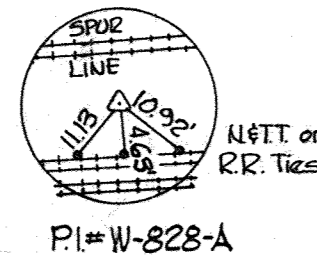
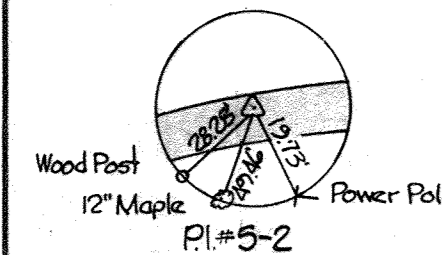
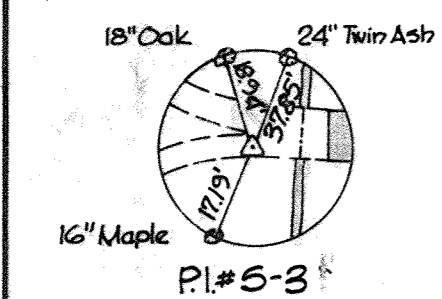
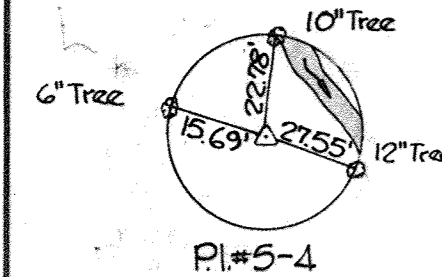
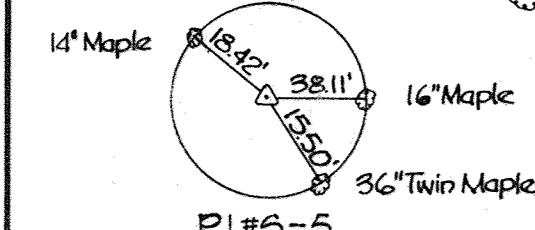
Building

Dye was inserted in plumbing and observations made in old sewer with the following results.

- A,B,C,G,H. Dye observed. Connection made to new sewer.
- D,I,J. Dye not observed in old sewer.
- E,F. Dye observed in old sewer but route of house connection is unknown. Not connected to new sewer.



W2&A B.M.#5-4 Elev. 215.88
P.K. nail in base 15" Maple, 10' ft of sta. 0+10 between PI#5-5 & PI#5-6.



W2&A B.M.#5-3 Elev. 177.45
P.K. nail in base of Power Pole # 180826, 5' ft. of Sta. 0+85 between PI#5-2 & 5-3.

W2&A B.M.#5-2 Elev. 145.27
P.K. nail in base of Power Pole # 270493 @ PI#W-828 on Milligan Hill Lane.

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
9-7-73
W.O. Gilbert
CHIEF-BUREAU OF ENGINEERING

CONTRACT NO. 541-S

PLAN OF SEWER MAINS

ELECTION DISTRICT ELLICOTT CITY NO. 2

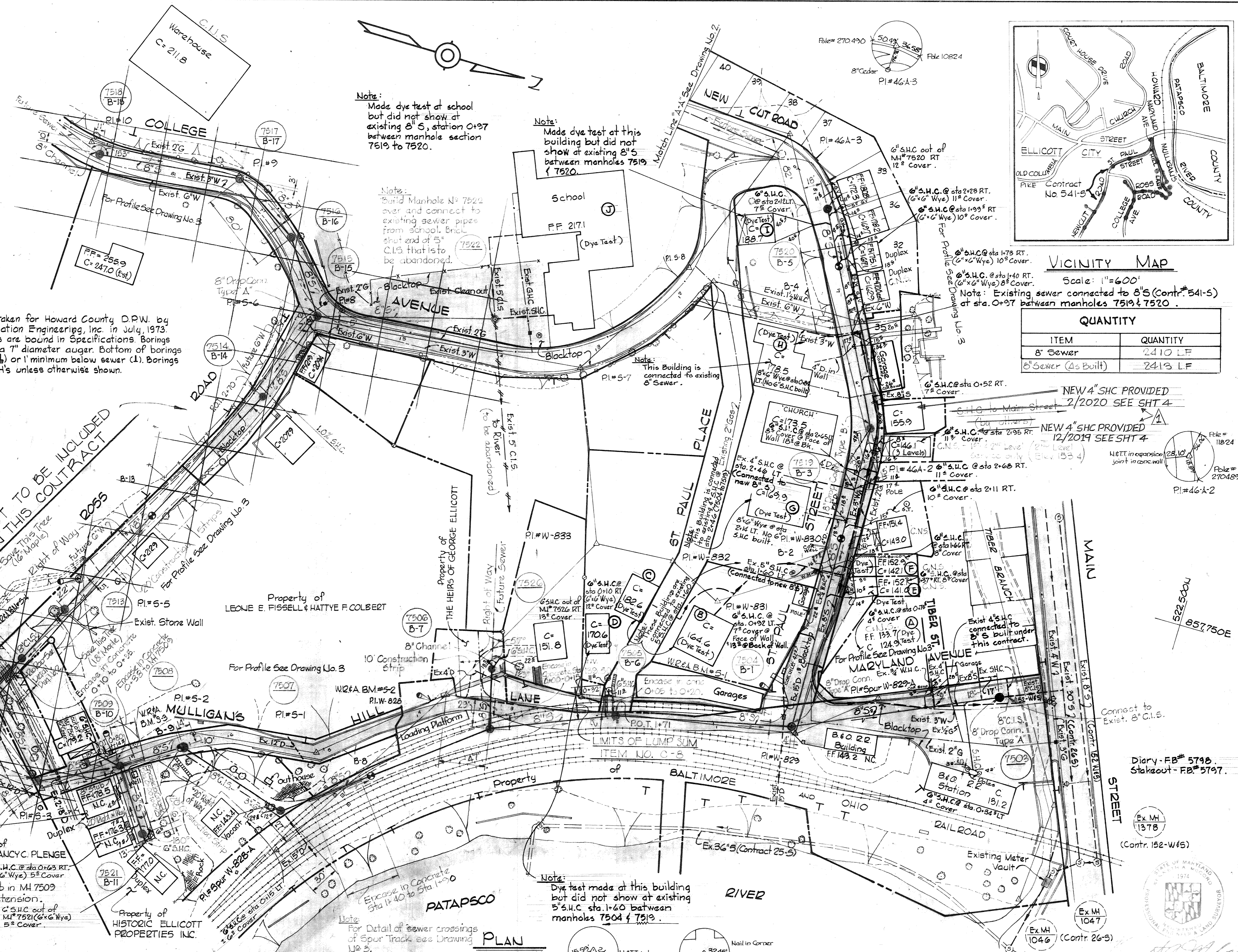
DRAWING NO. 1 OF 4

SCALE AS SHOWN

W. O. 6601-2

AS BUILT OCTOBER 31, 1975

FB# 2649, 5195 5287, 5337



Note: Made dye test at school but did not show at existing 8" S, station 0+97 between manhole section 7519 to 7520.

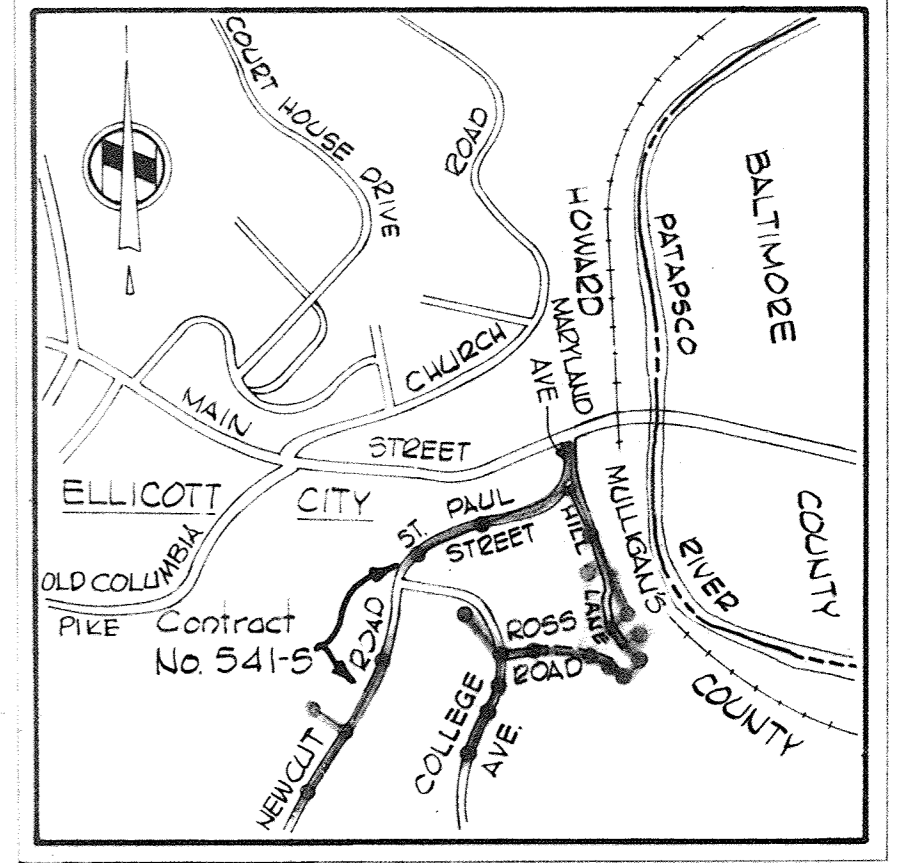
Note: Made dye test at this building but did not show at existing 8" S between manholes 7519 & 7520.

Note: Build Manhole No. 7522 over and connect to existing sewer pipes from school. Brick shut end of 5" C.I.S. that is to be abandoned.

Note: This Building is connected to existing 8" Sewer.

Note: Dye test made at this building but did not show at existing 5" S.H.C. sta. 1+60 between manholes 7504 & 7519.

Note: For Detail of sewer crossings of Spur Tracks see Drawing U2-3.



VICINITY MAP
Scale: 1"=600'
Note: Existing sewer connected to 8" S (Contr. # 541-S) at sta. 0+97 between manholes 7519 & 7520.

QUANTITY	
ITEM	QUANTITY
8" Sewer	2410 LF
8" Sewer (As Built)	2413 LF

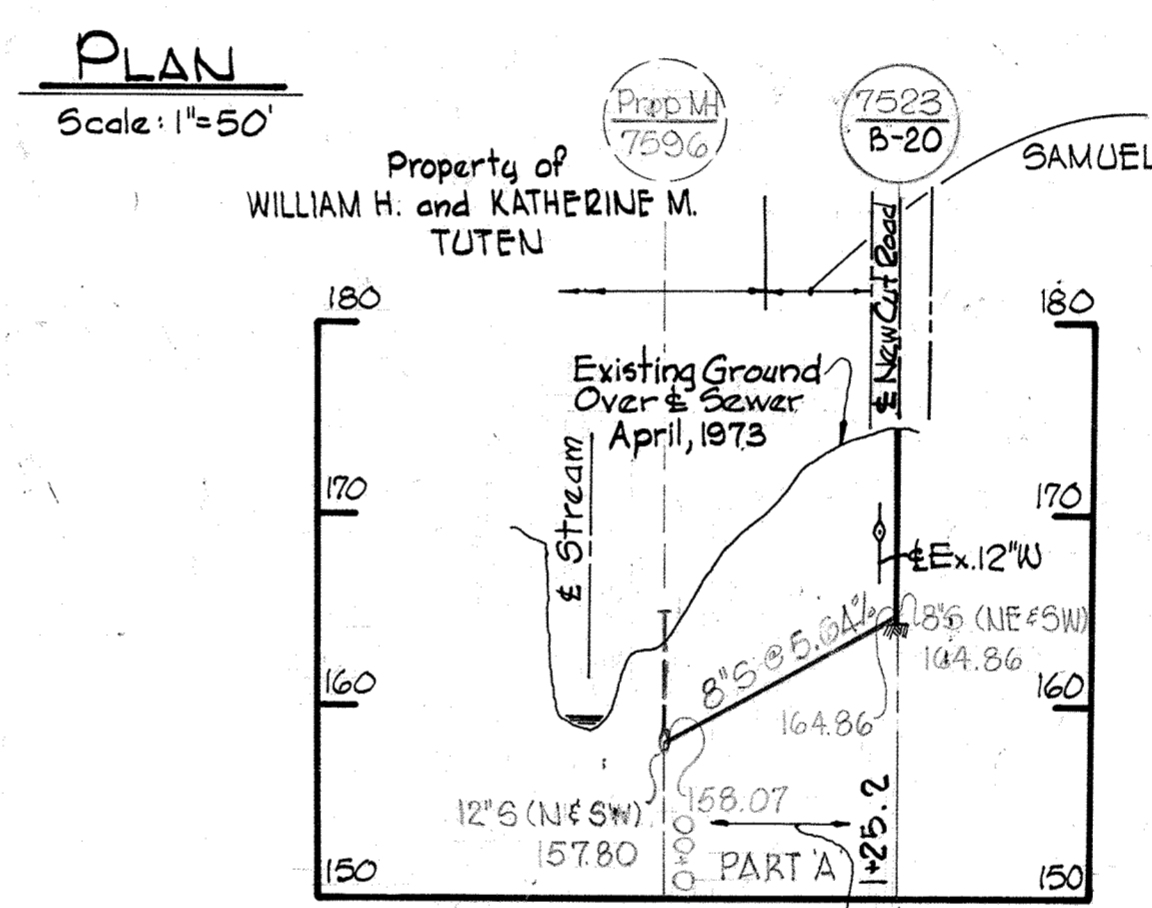
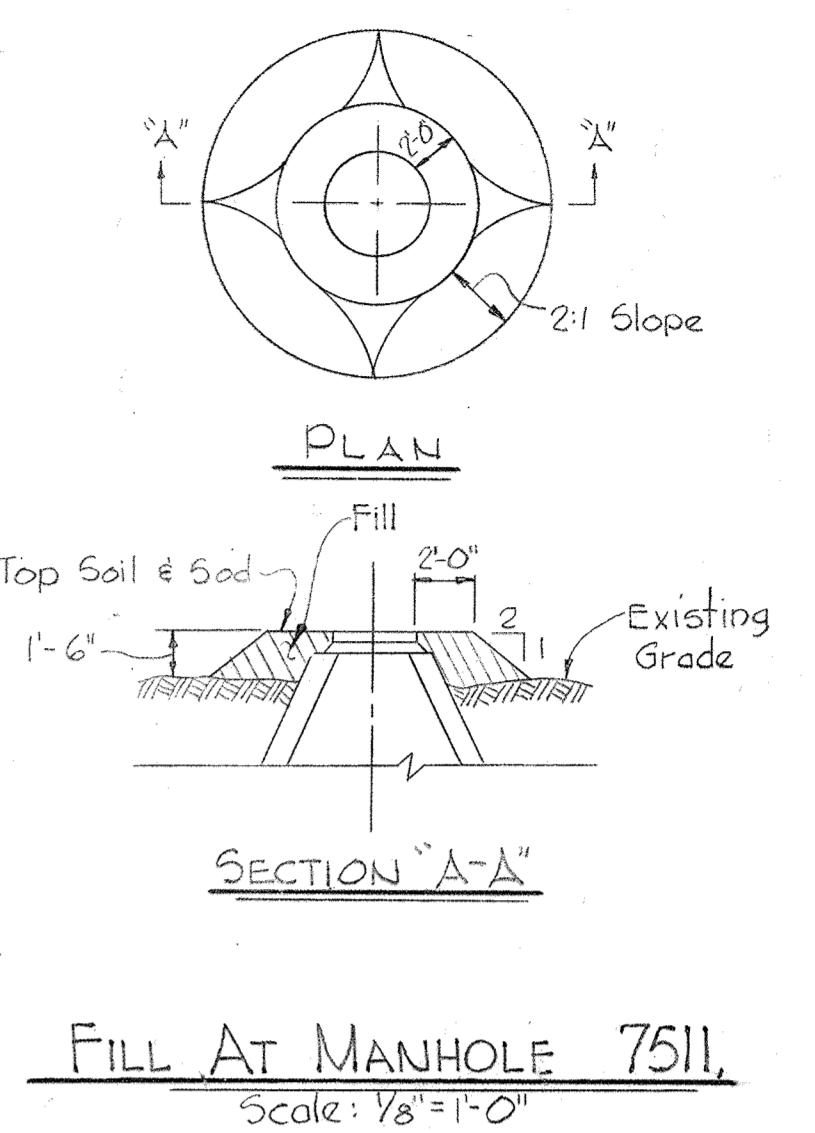
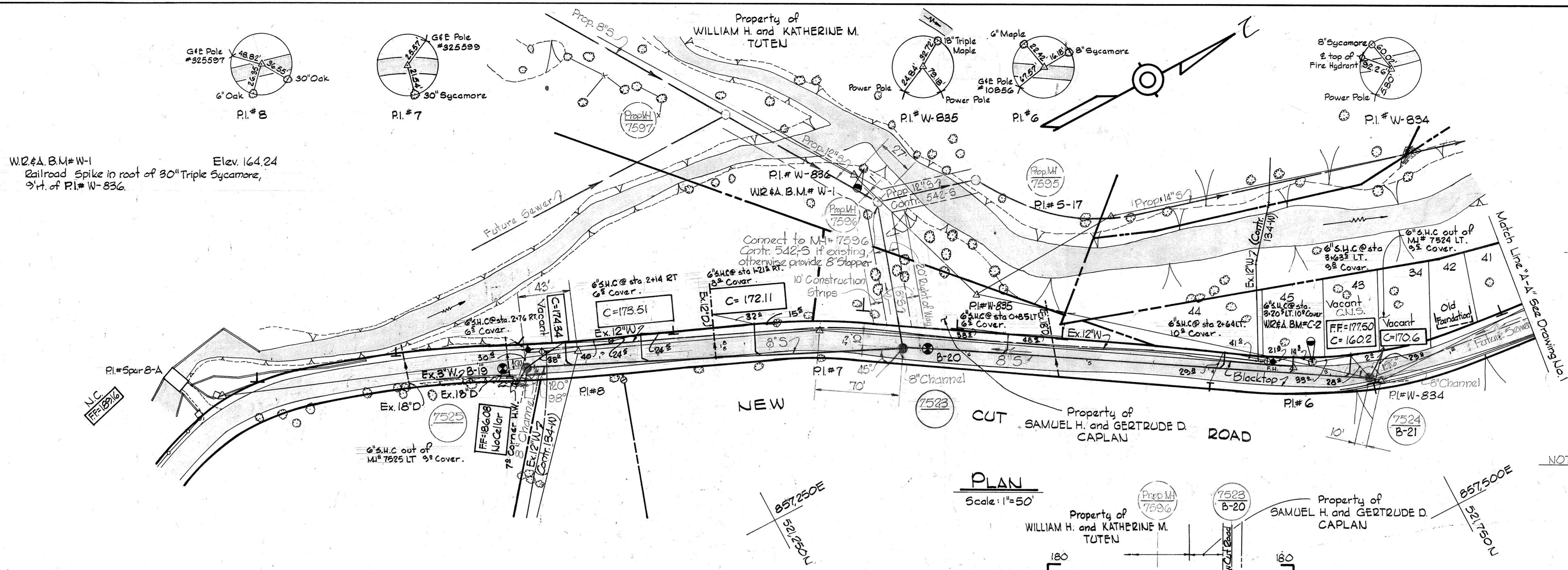
NEW 4" SHC PROVIDED 2/2020 SEE SHT 4

NEW 4" SHC PROVIDED 12/2019 SEE SHT 4

Diary - FB# 5746, Stakeout - FB# 5797.

H.O.D. Project No. W5-2-21-0058, Ellicott City Project No. 5P 6033, Contract No. 541-S

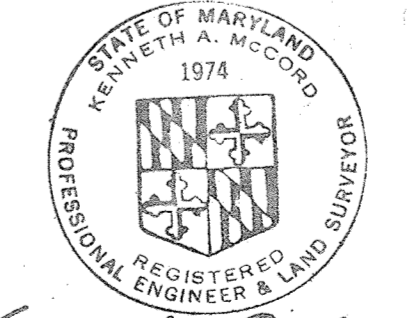
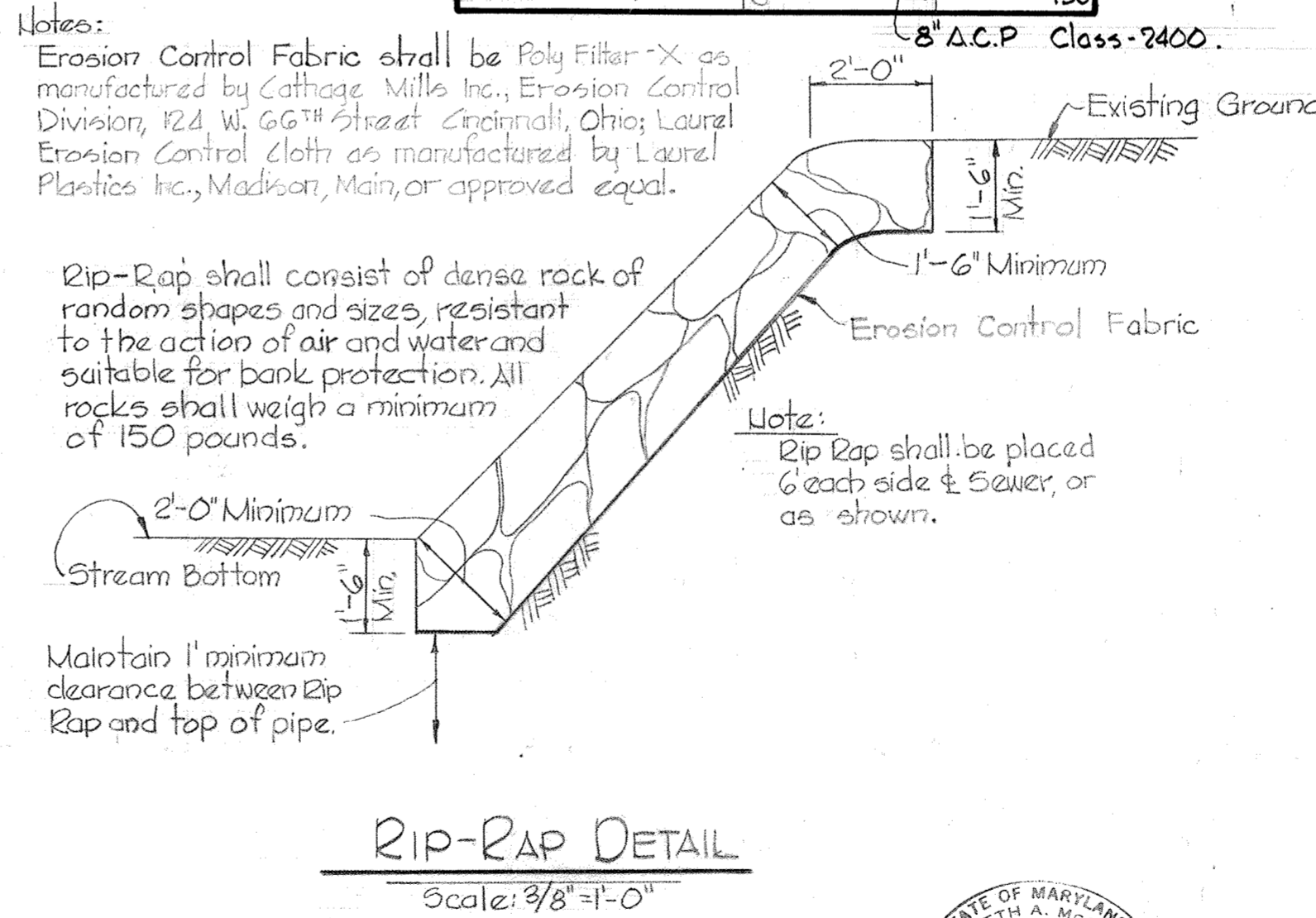
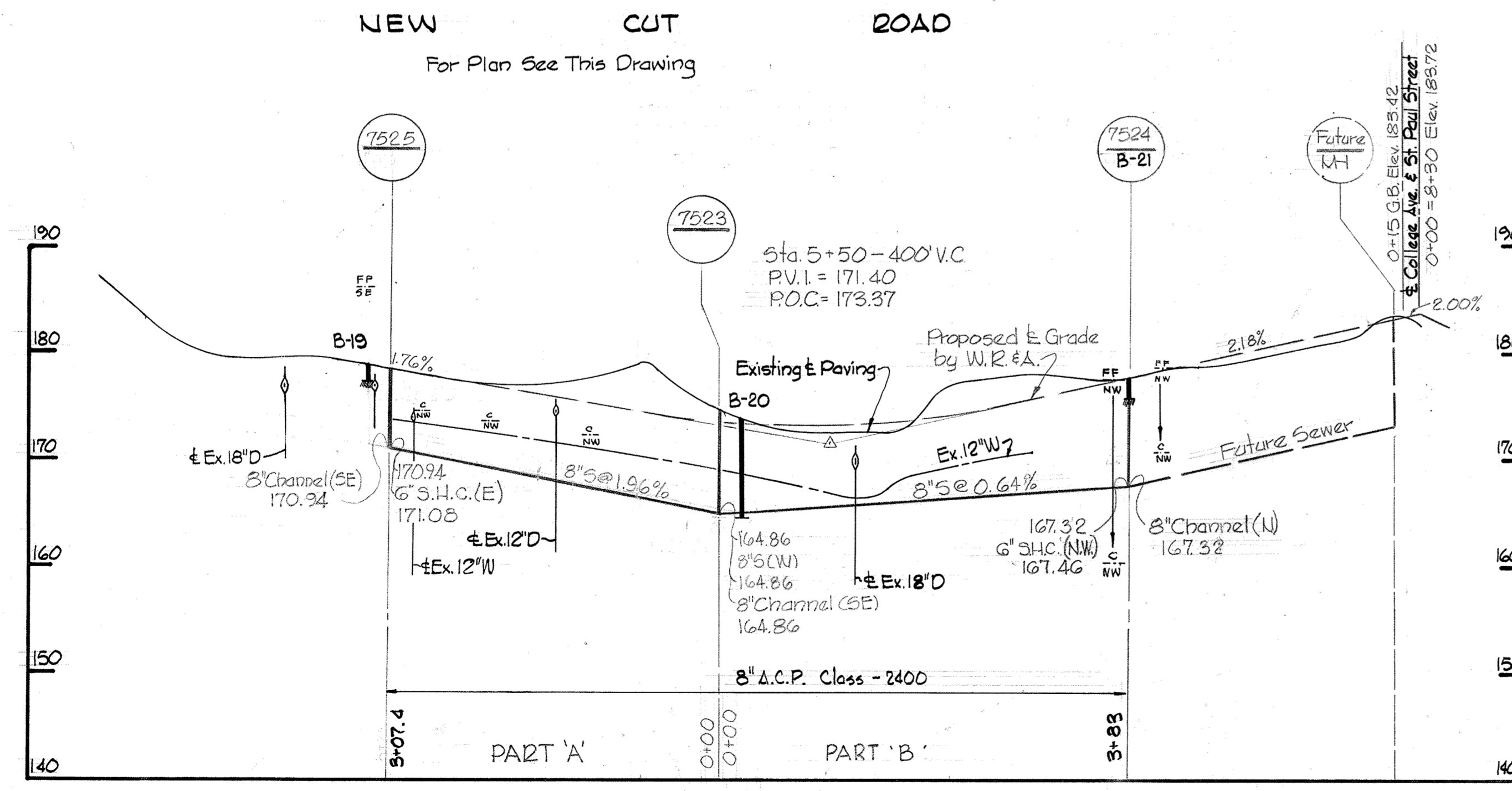
WS 541-S/1



NOTE: Houses on Lots 43 and 34 have been abandoned.

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. For all standard details, see standards bound in Specifications.
5. Sewer pipe shall be V.C.P.X., C.S.P.X., or Asbestos Cement Class 2400 unless otherwise noted.
6. All Cast Iron sewer pipe shall be Class 22 or Ductile Iron pipe Class 2.
7. Build all manholes to existing ground or paving unless otherwise noted.
8. Clear all poles by 2.0' minimum or tunnel as required. Clear all existing utilities by 6' minimum.
9. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
10. Horizontal and Vertical Controls are based upon Maryland State Datum.
11. Existing Sewers to be abandoned are labeled ~~---/---/---~~
12. Sewer House Connections shall be constructed only where and if directed by the Engineer in the field. Existing Sewer House Connections shall be connected to the proposed 8" sewer. The Contractor shall maintain existing sewer service at all times.
13. Houses with symbol (C.N.S.) indicates that the cellar can not be served.
14. Payment for Rip-Rap will be included in the unit price bid for furnishing and laying of Sewer Mains.
15. Payment for Erosion Checks and Concrete Anchors will be included in the unit price bid for excavation and backfill.
16. Manholes shown with 12" walls are for brick manholes only.
17. A single S.H.C. terminating with a 6"x6" Y-branch shall be provided for all duplex homes.

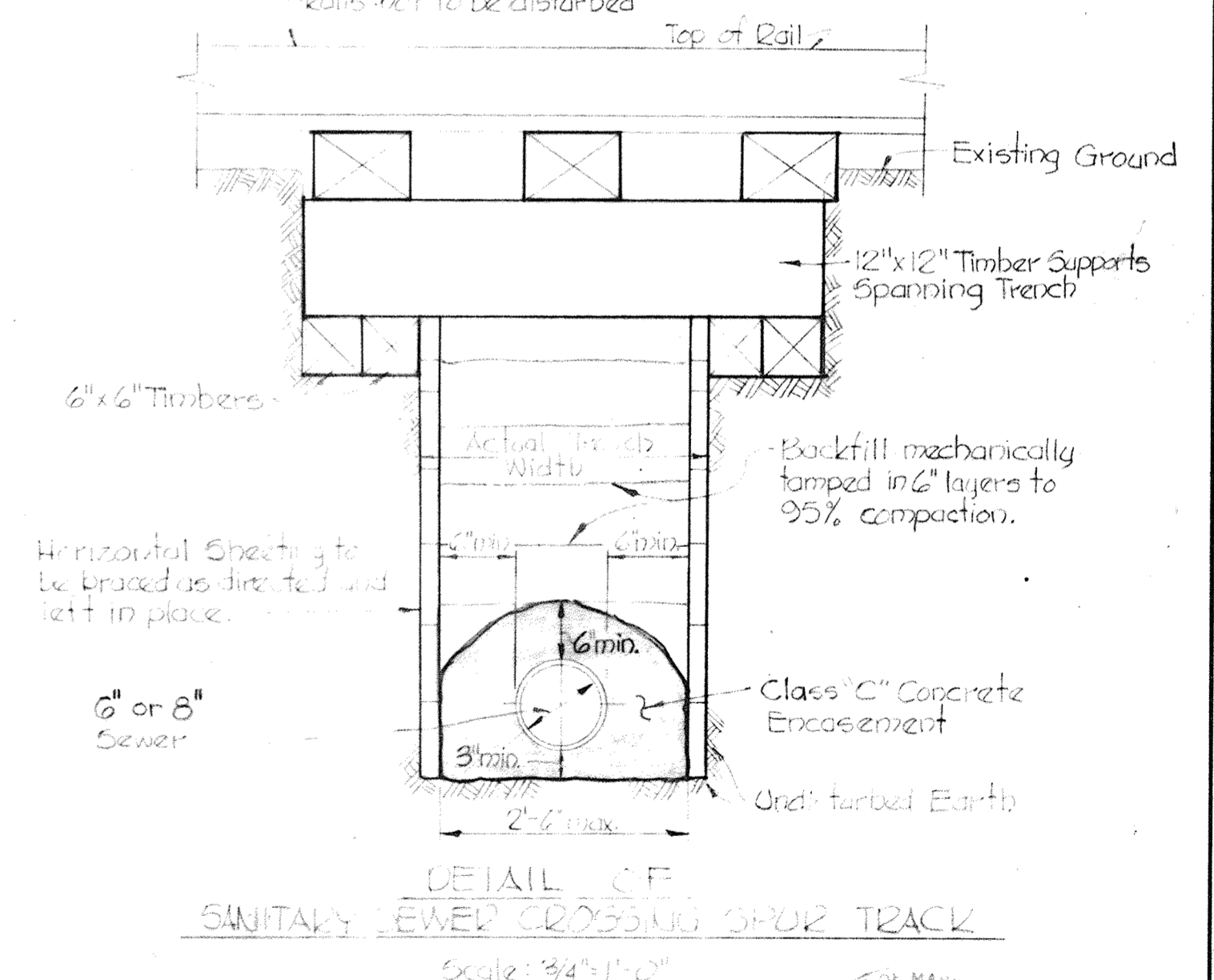
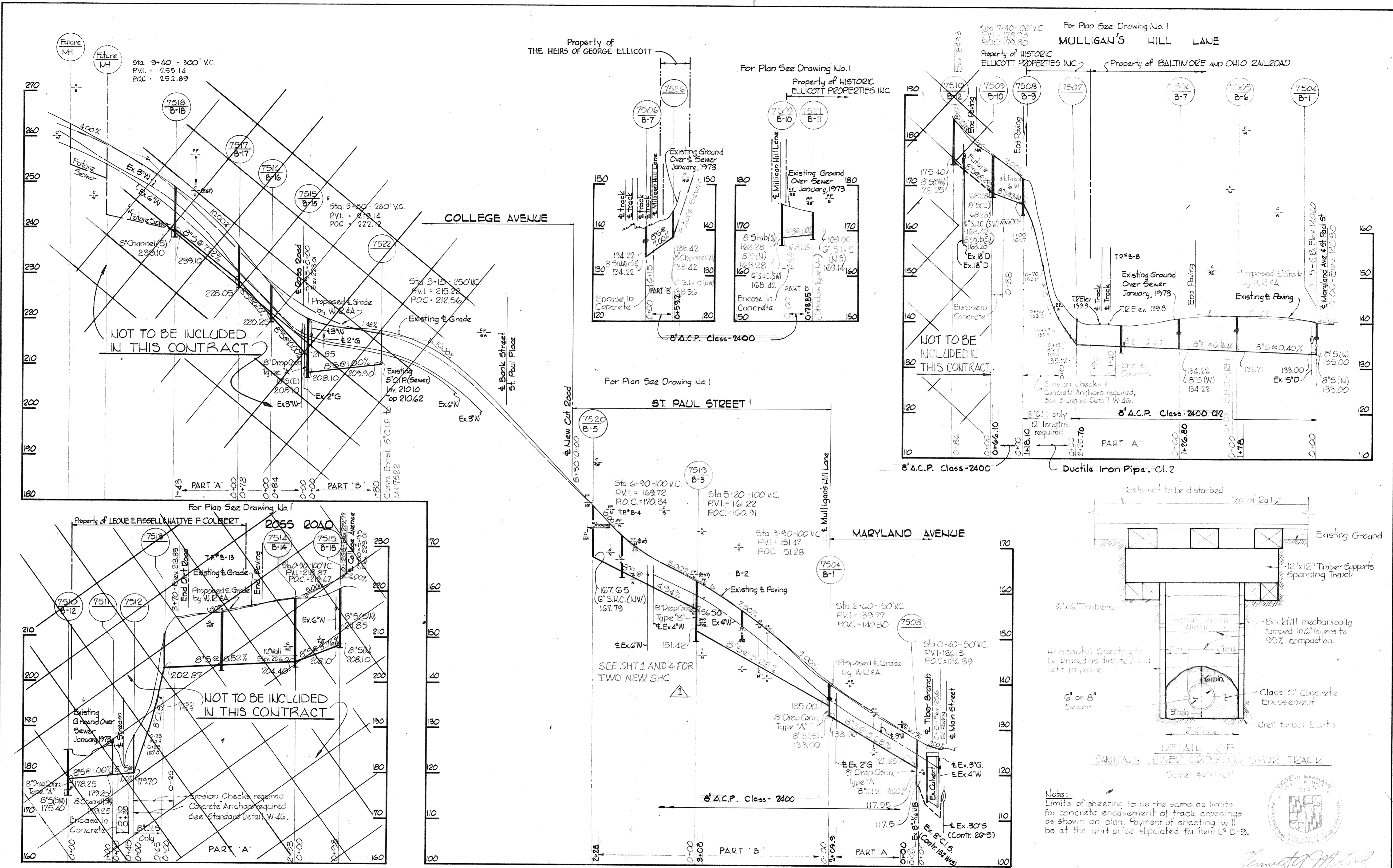


Kenneth J. Maland

<p>WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 9-7-73 DATE <i>W. O. Libbert</i> CHIEF-BUREAU OF ENGINEERING</p>	<p>CONTRACT NO. 541-S</p>	<p>PLAN, PROFILES & DETAILS OF SEWER MAINS</p>	<p>ELECTION DISTRICT ELlicott CITY NO. 2</p>	<table border="1"> <tr> <td>DRAWING NO. 2 OF 4</td> <td>SCALE AS SHOWN</td> <td>521-6</td> </tr> <tr> <td></td> <td></td> <td>520-6</td> </tr> </table>	DRAWING NO. 2 OF 4	SCALE AS SHOWN	521-6			520-6
DRAWING NO. 2 OF 4	SCALE AS SHOWN	521-6									
		520-6									

WS 541-S/2

BRUNING 44510 18332



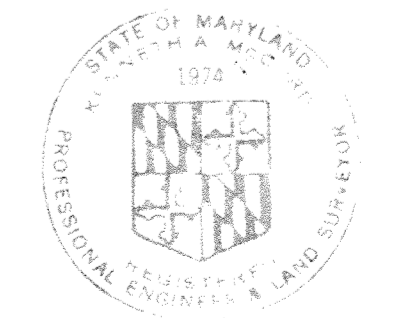
<p>WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 9-7-73 DATE</p> <p><i>W. O. Gilbert</i> CHIEF BUREAU OF ENGINEERING</p>	<p>5/2020 TWO NEW SHC</p> <p>CONTRACT NO. 541-S</p>	<p>PROFILES OF SEWER MAINS</p>	<p>ELECTION DISTRICT ELLICOTT CITY NO. 2</p>	<p>DRAWING NO. 3 OF 4 SCALE H:1"=100' V:1"=10'</p>
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W. O. 6601-2

AS BUILT OCTOBER 31, 1975

WS 541-S/3

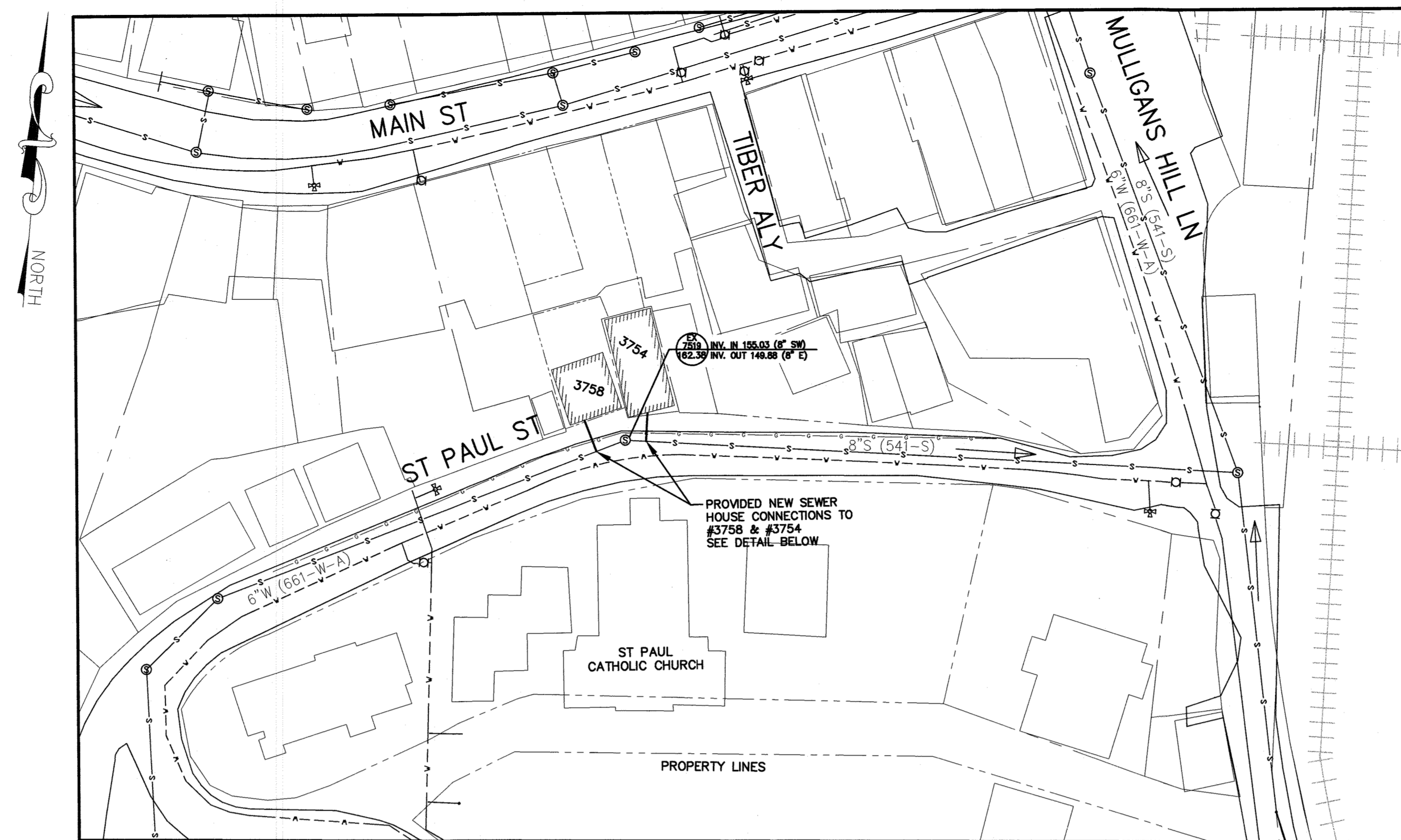
BRINING 44-810 18392



Kenneth A. McLeod

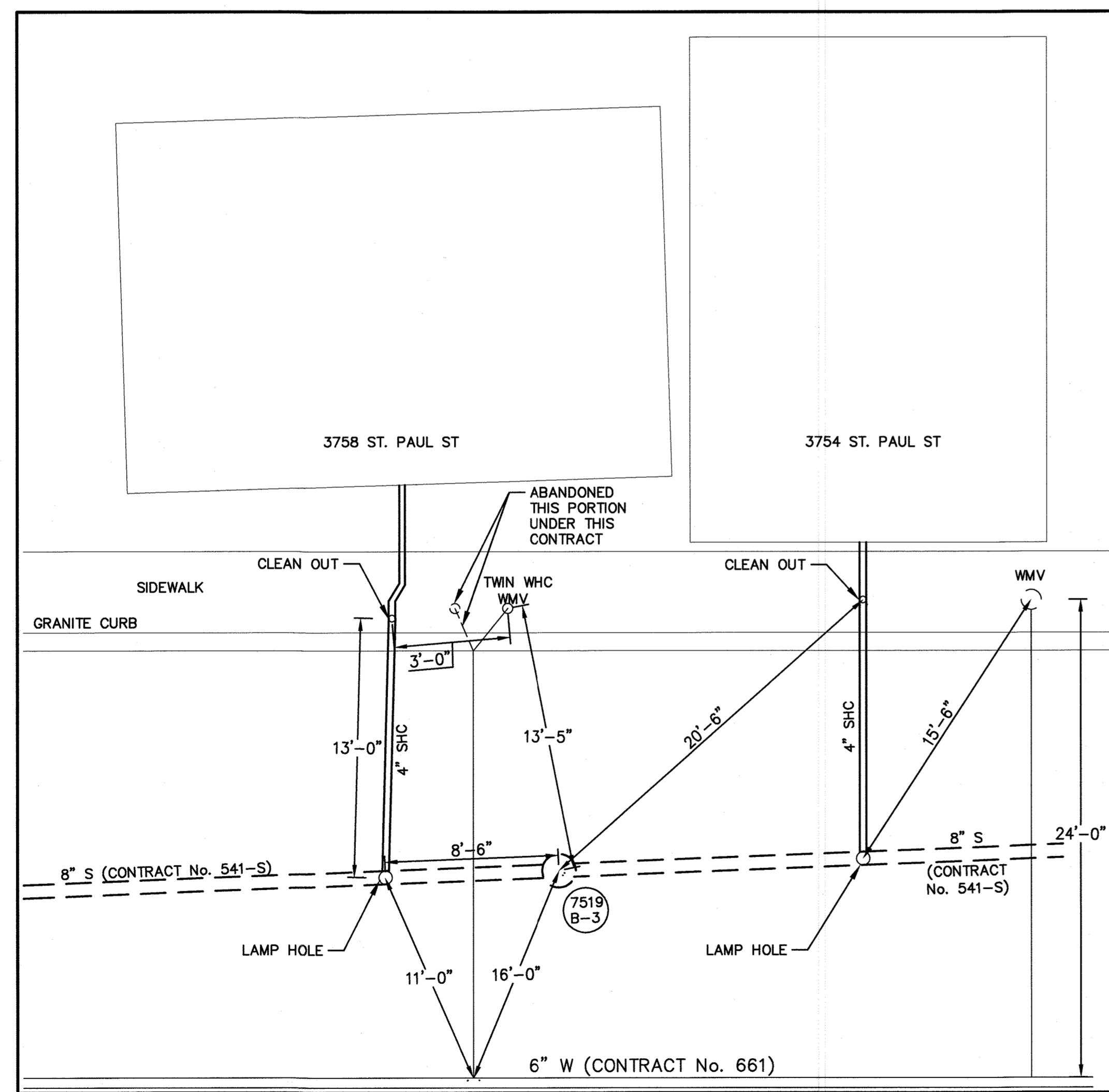
H.O.D. Project No W5-2-21-0058
Ellicott City Project No 5P6033
Contract No 541-S

R:\K21\SYS - \balarv05\2017\17240_HogonCal\Howard County\Task 13 - Drafting Services for As-Built Drawings\St Paul St\CADD\Plans\C-01.dwg May 07, 2020 - 2:20pm EN/CTB Plot Scale 1=1 Plot By: krabbone Tab:C-01



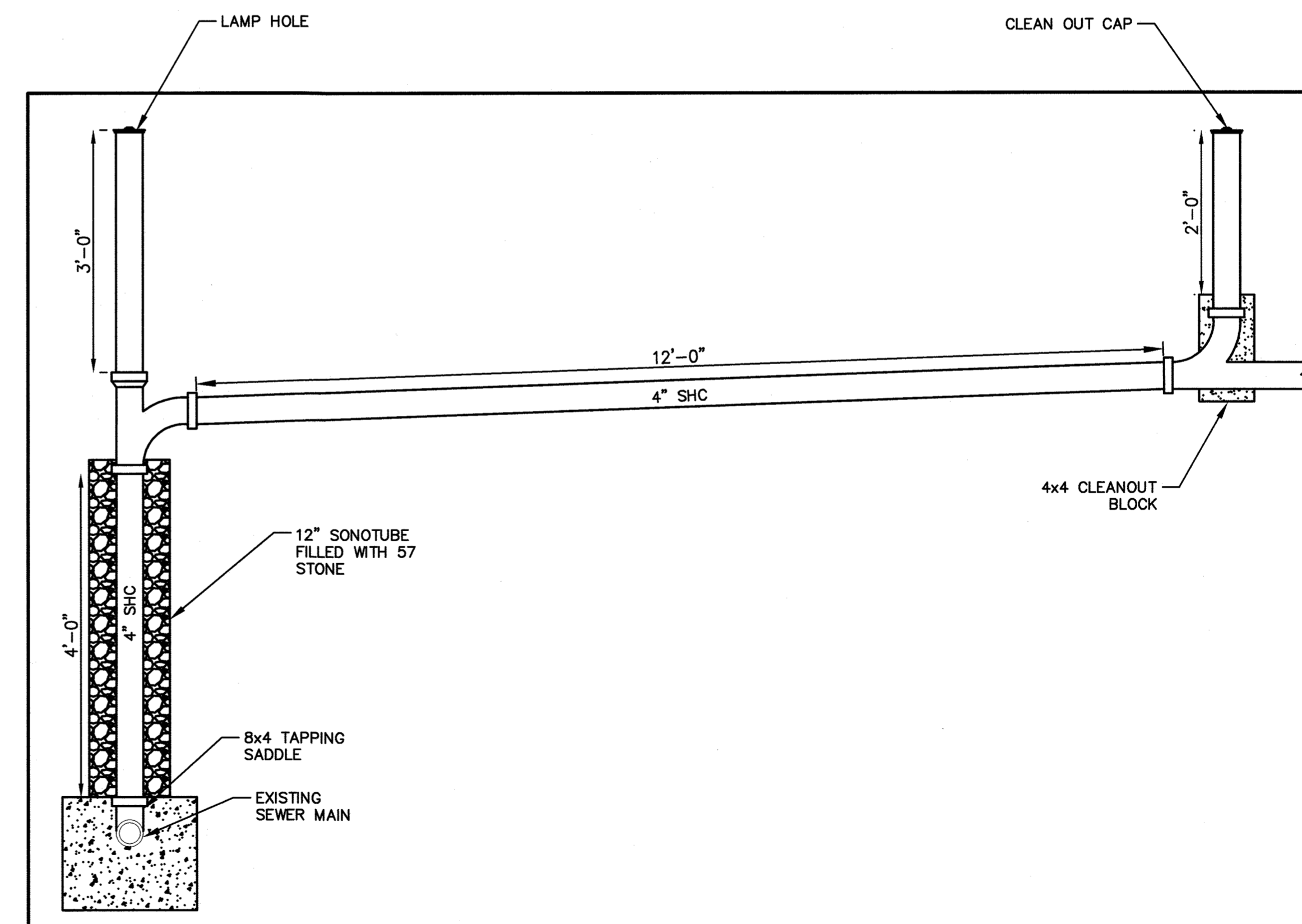
SITE PLAN

SCALE: 1" = 50'



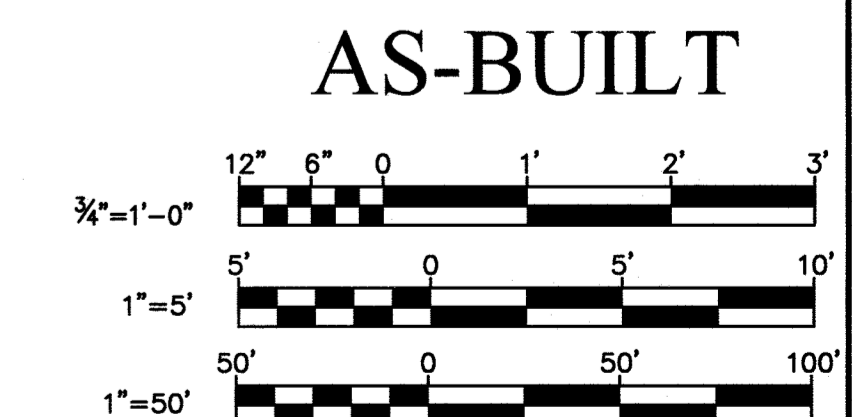
DETAIL - SHC PLAN

SCALE: 1" = 5'



DETAIL - SHC PROFILE (TYP.)

SCALE: 3/4" = 1'



AS-BUILT

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND			
DIRECTOR OF PUBLIC WORKS	DATE	CHIEF, BUREAU OF ENGINEERING	DATE
CHIEF, BUREAU OF UTILITIES	DATE	CHIEF, UTILITY DESIGN DIVISION	DATE

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. _____
EXPIRATION DATE: _____

DES:	BY:	NO.	REVISION	DATE
DRN:				
CHK:				
SIGN DATE:				

AS-BUILT
MAY, 2020
SEWER HOUSE CONNECTIONS TO 3754 AND 3758 ST PAUL STREET
600' SCALE MAP NO. 25A

PROJECT NO. SP-6033
CONTRACT NO. 541-S - ADD-1
SEWER HOUSE CONNECTIONS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

SCALE
AS SHOWN
SHEET NO.
04 OF 04