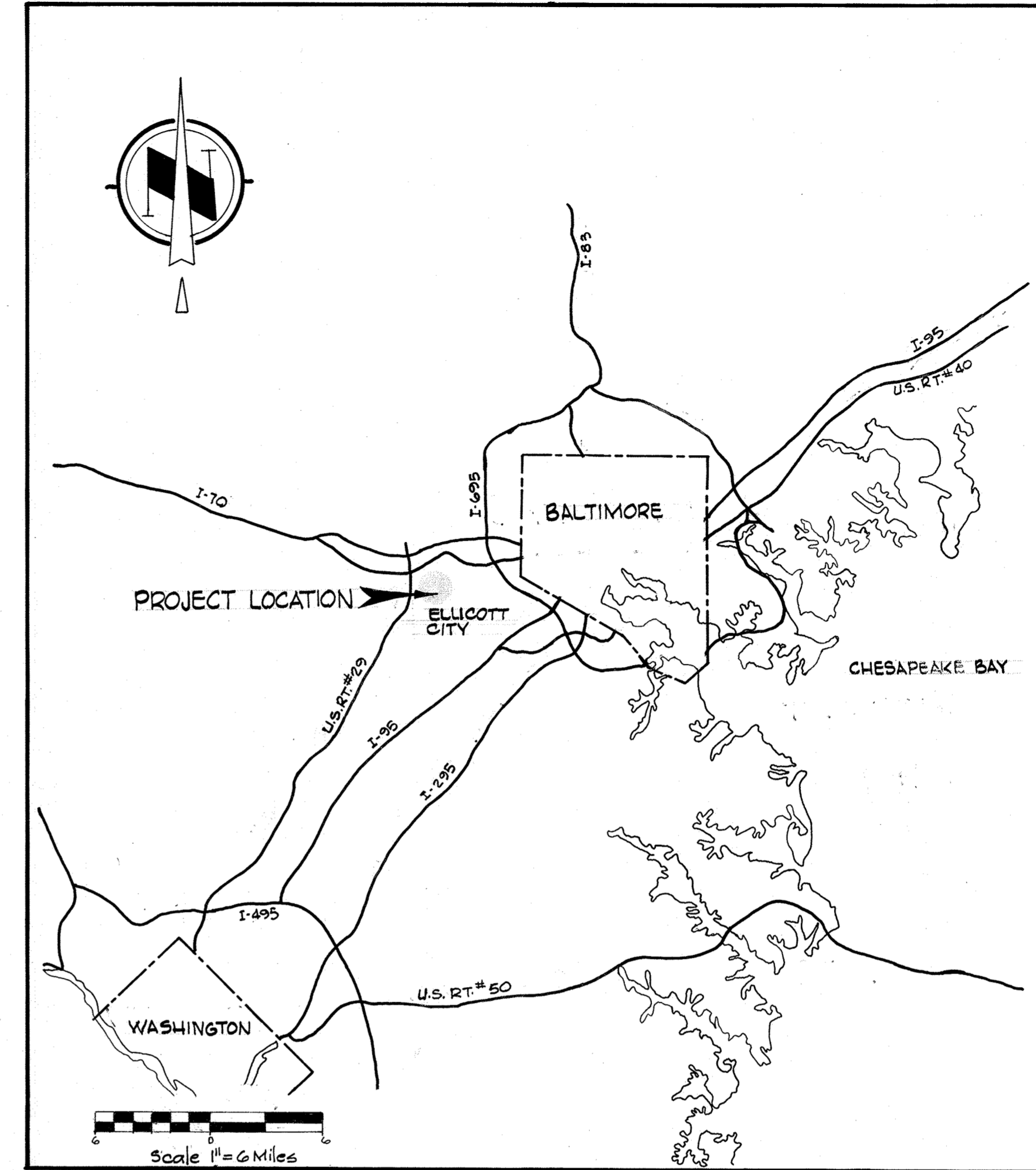


VICINITY MAP



LOCATION MAP

CONTRACT NO. 44-0915
 PROJECT NO. W-6-8086
CLEANING AND LINING WATER MAINS
ELLICOTT CITY
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

Diary FB # 6450

Note:
 Sediment Control Measures for this Contract will be implemented in accordance with Section 15 of the Specifications.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
J. Helms
 SIGNATURE DATE 6-12-80
 U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard County Conservation District.
 APPROVED:
Robert W. Zecher
 HOWARD C.O. DATE 6-12-80

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

James L. Brown
 DIRECTOR OF PUBLIC WORKS DATE
Allen J. Brown
 CHIEF-BUREAU OF UTILITIES DATE

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

CONTRACT NO. 44-0915
 PROJECT NO. W-6-8086

LOCATION MAP

ELECTION DISTRICT
 ELLICOTT CITY NO.2

| | |
|--------------------|----------------|
| DRAWING NO. 1 OF 8 | SCALE AS SHOWN |
|--------------------|----------------|

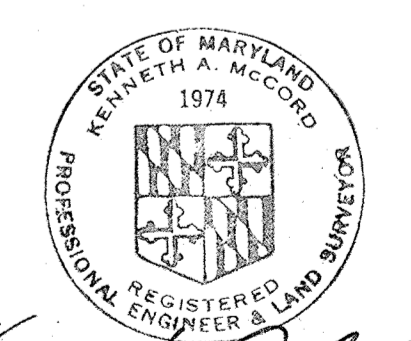
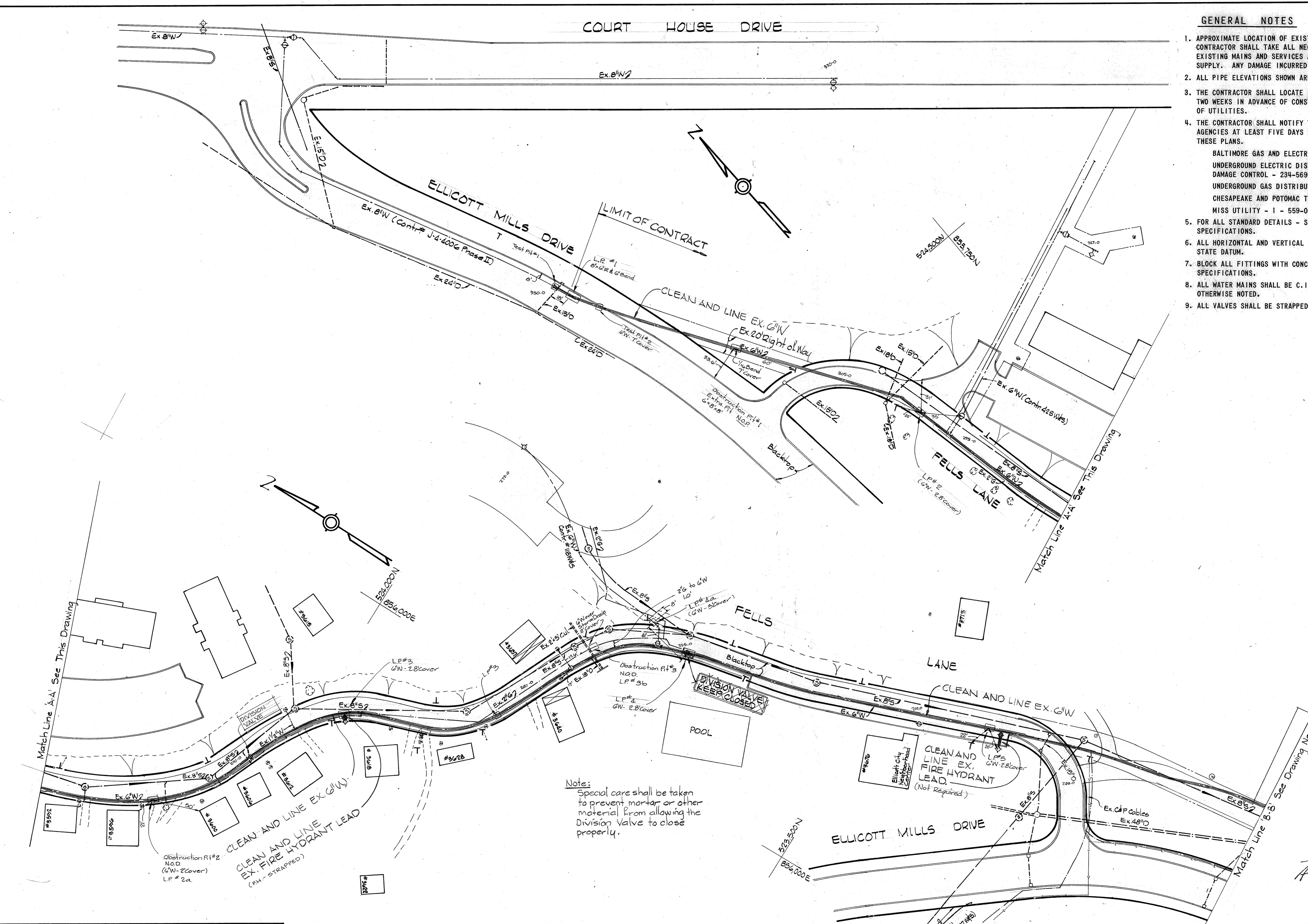


Kenneth A. McLeod

Clean and Line
 Existing Mains - Ellicott City
 Project No. W-6-8086
 Contract No. 44-0915

WS 915 - W / 1

- GENERAL NOTES**
1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT 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. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
 - BALTIMORE GAS AND ELECTRIC COMPANY -
 - UNDERGROUND ELECTRIC DISTRIBUTION ENGINEERING DAMAGE CONTROL - 234-5691.
 - UNDERGROUND GAS DISTRIBUTION ENGINEERING 234-5621.
 - CHESAPEAKE AND POTOMAC TELEPHONE COMPANY 393-3648.
 - MISS UTILITY - 1 - 559-0100.
 5. FOR ALL STANDARD DETAILS - SEE STANDARDS BOUND IN SPECIFICATIONS.
 6. ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
 7. BLOCK ALL FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
 8. ALL WATER MAINS SHALL BE C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED.
 9. ALL VALVES SHALL BE STRAPPED TO TEES.



Kenneth A. McCoy

Clean and Line
Existing Mains - Ellicott City
Project No. W-6-8086
Contract No. 44-0915

WS 915 - W / 2

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. ... 6/18/80
DIRECTOR OF PUBLIC WORKS - DATE

James L. ... 6/18/80
CHIEF - BUREAU OF UTILITIES - DATE

Allen S. Brown 6/18/80
CHIEF - UTILITIES DIVISION - DATE

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

CONTRACT NO. 44-0915
PROJECT NO. W-6-8086

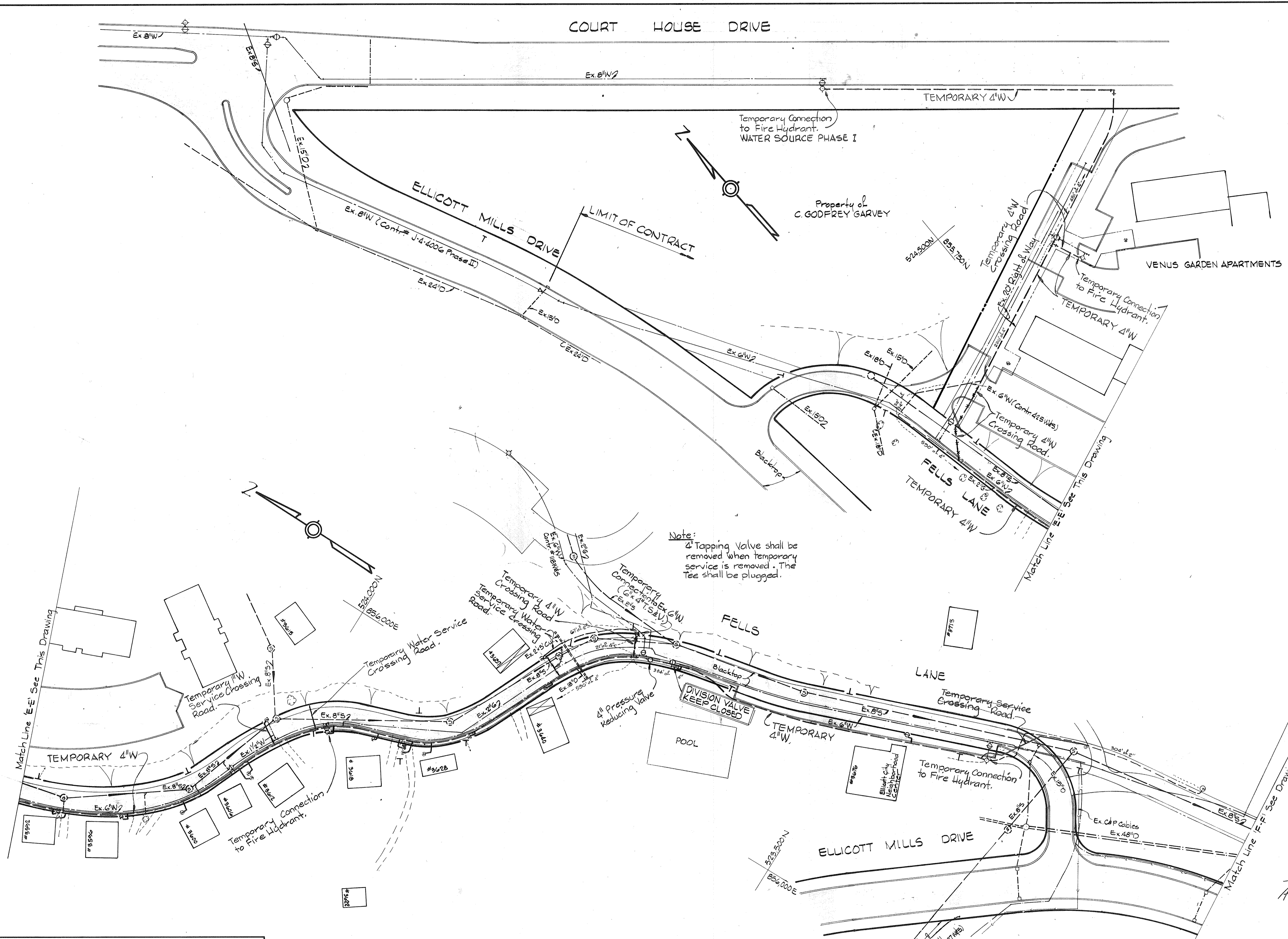
PLAN OF
WATER MAINS

ELECTION DISTRICT
ELLICOTT CITY NO.2

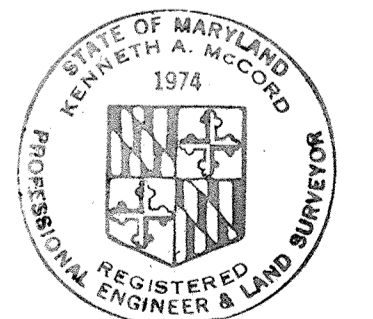
DRAWING NO. 2 OF 8
SCALE 1"=50'

W.O. #1469-2

June 3, 1980



Note:
 4" Tapping Valve shall be removed when temporary service is removed. The Tee shall be plugged.



Kenneth M. Lord

Clean and Line
 Existing Mains - Ellicott City
 Project No. W-6-8086
 Contract No. 44-0915

WS 915 -W 13

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

James M. Wilson 6/13/80
 DIRECTOR OF PUBLIC WORKS - DATE

James L. Ellis 6/13/80
 CHIEF - BUREAU OF UTILITIES - DATE

William E. Peltola 6/13/80
 CHIEF - BUREAU OF ENGINEERING - DATE

Allen S. Brown 6/13/80
 CHIEF - UTILITIES DIVISION - DATE

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

CONTRACT NO. 44-0915
 PROJECT NO. W-6-8086

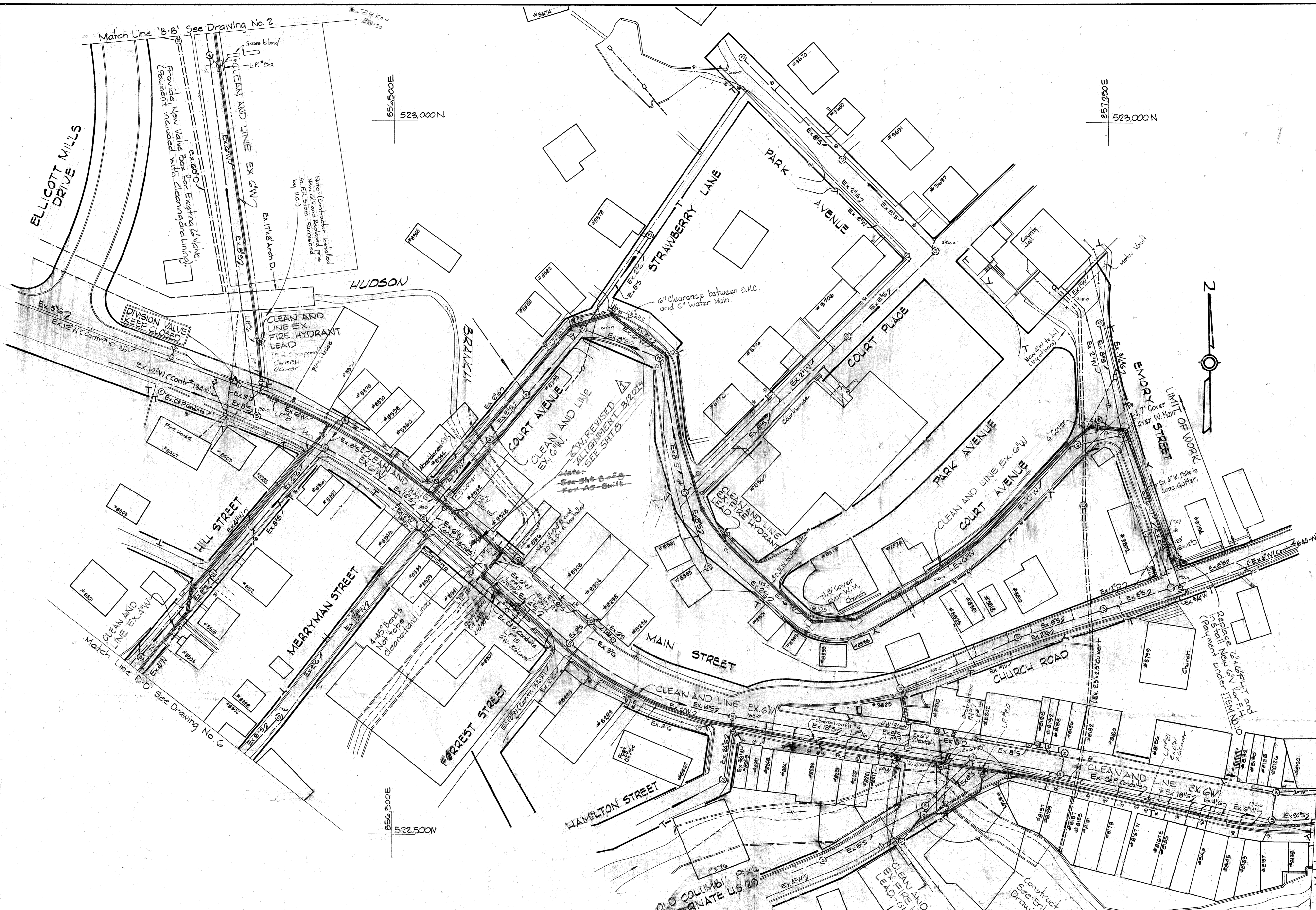
PLAN OF
 TEMPORARY WATER SERVICE PIPE

ELECTION DISTRICT
 ELLICOTT CITY NO.2

| | |
|----------------------|--------------|
| DRAWING NO. 3 OF X B | SCALE 1"=50' |
|----------------------|--------------|

W.O. #1469-C

June 3, 1980



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Wilson 6/13/80
DIRECTOR OF PUBLIC WORKS — DATE

James E. Wilson 6/13/80
CHIEF-BUREAU OF ENGINEERING — DATE

James E. Wilson 6/13/80
CHIEF-BUREAU OF UTILITIES — DATE

James E. Wilson 6/13/80
CHIEF-UTILITIES DIVISION — DATE

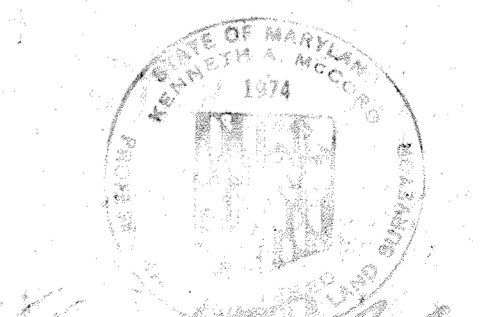
WHITMAN REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

5/20/20 6" W. REVISED ALIGNMENT 1
CONTRACT NO. 44-0915
PROJECT NO. W-6-8086

PLAN OF
WATER MAINS

ELECTION DISTRICT
ELLCOTT CITY NO. 2

DRAWING NO. 4 OF 8
SCALE 1"=50'

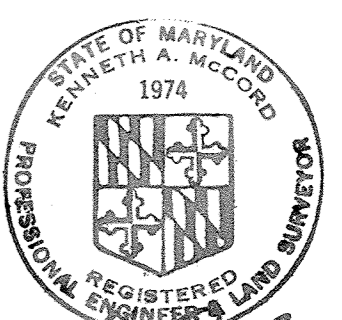
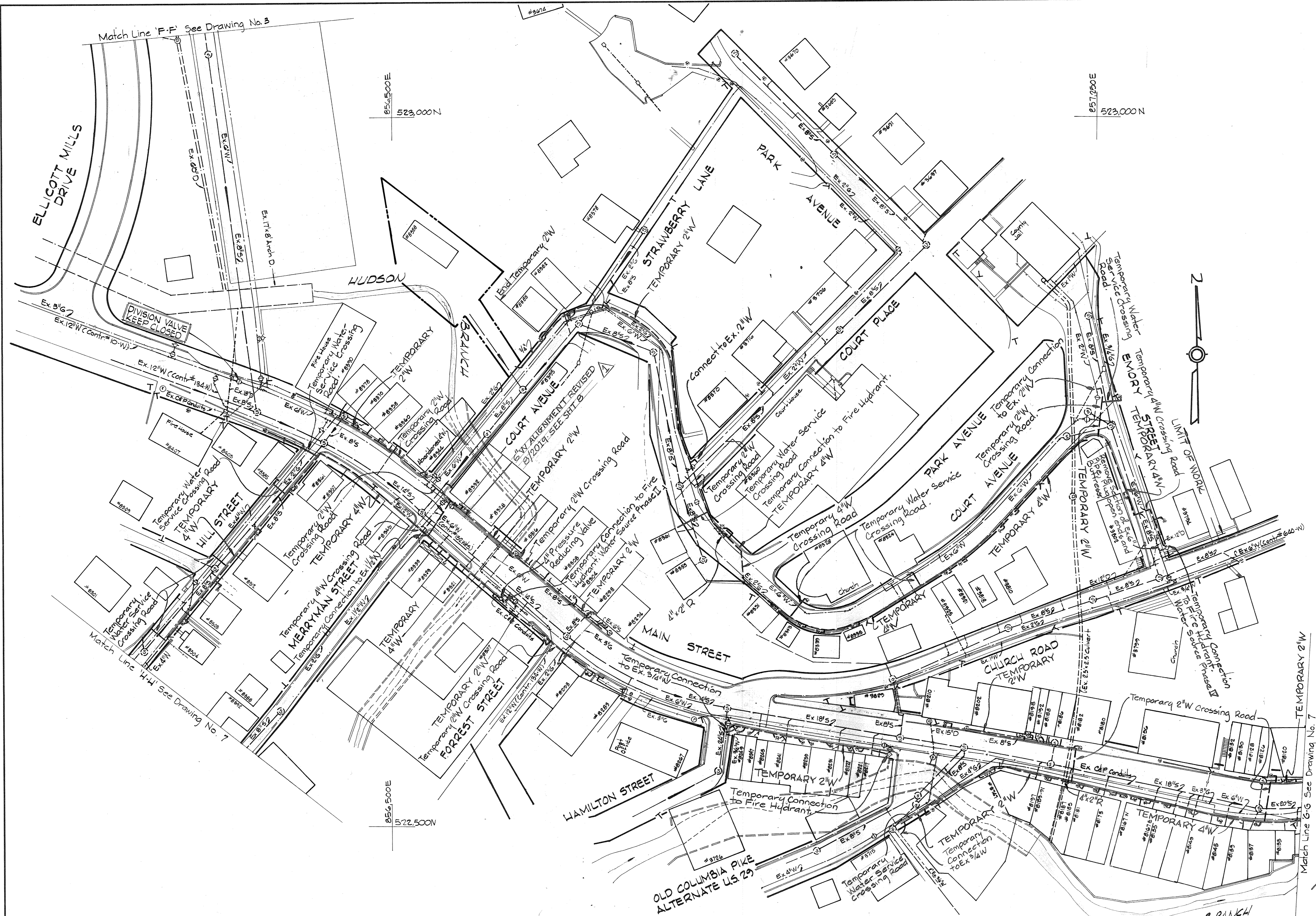


Clean and Line
Existing Mains - Ellicott City
Project No. W-6-8086
Contract No. 44-0915

June 3, 1980

915-W/4

W. O. 7469-2



Kenneth A. McCord

Clean and Line
Existing Mains - Ellicott City
Project No. W-6-8086
Contract No. 44-0915

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Skew 6/18/80
DIRECTOR OF PUBLIC WORKS DATE

James J. Bliss 6/18/80
CHIEF-BUREAU OF UTILITIES DATE

W. Edwin D. Riley 6/18/80
CHIEF-BUREAU OF ENGINEERING DATE

Allen S. Braun 6/18/80
CHIEF-UTILITIES DIVISION DATE

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

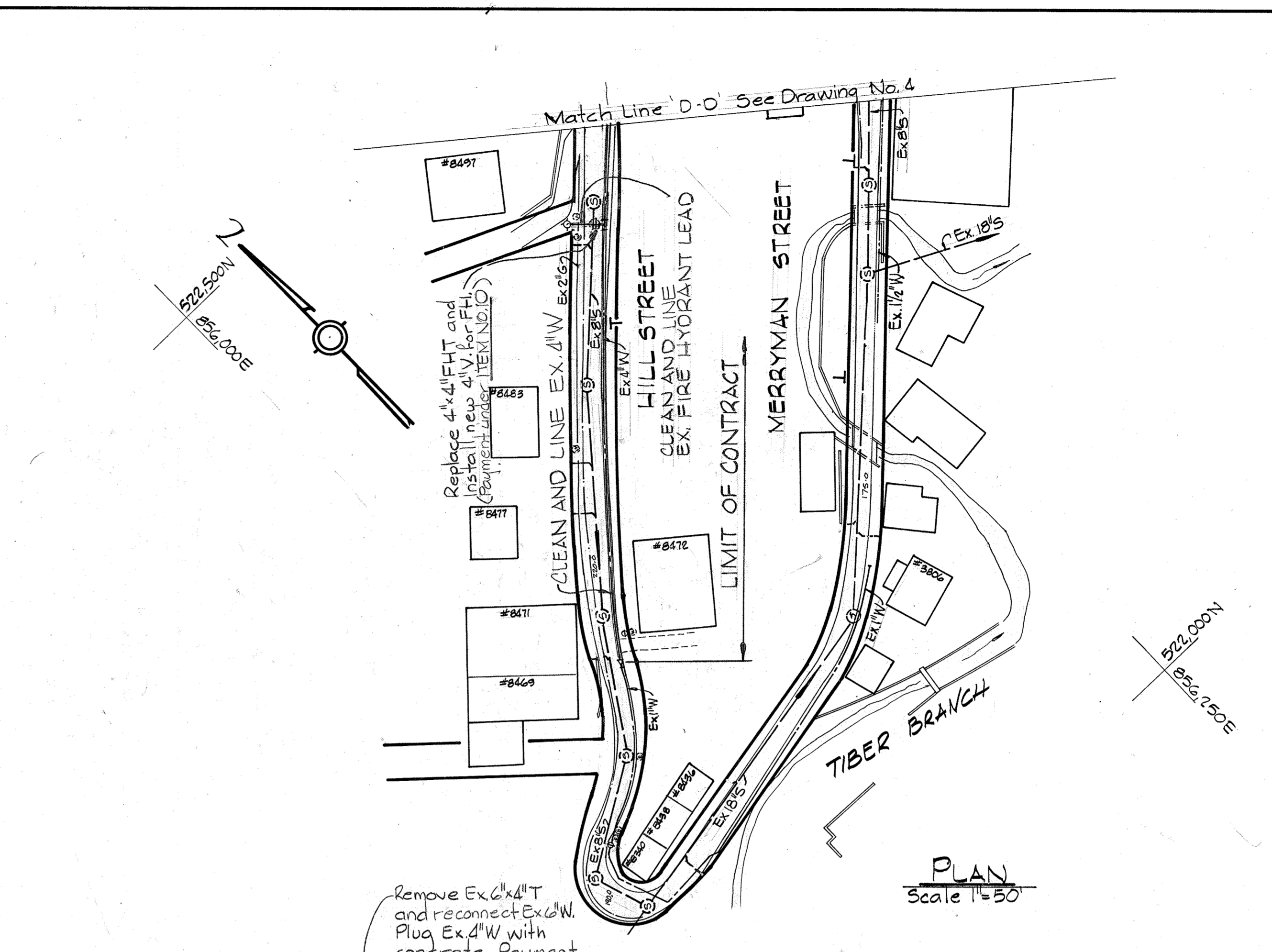
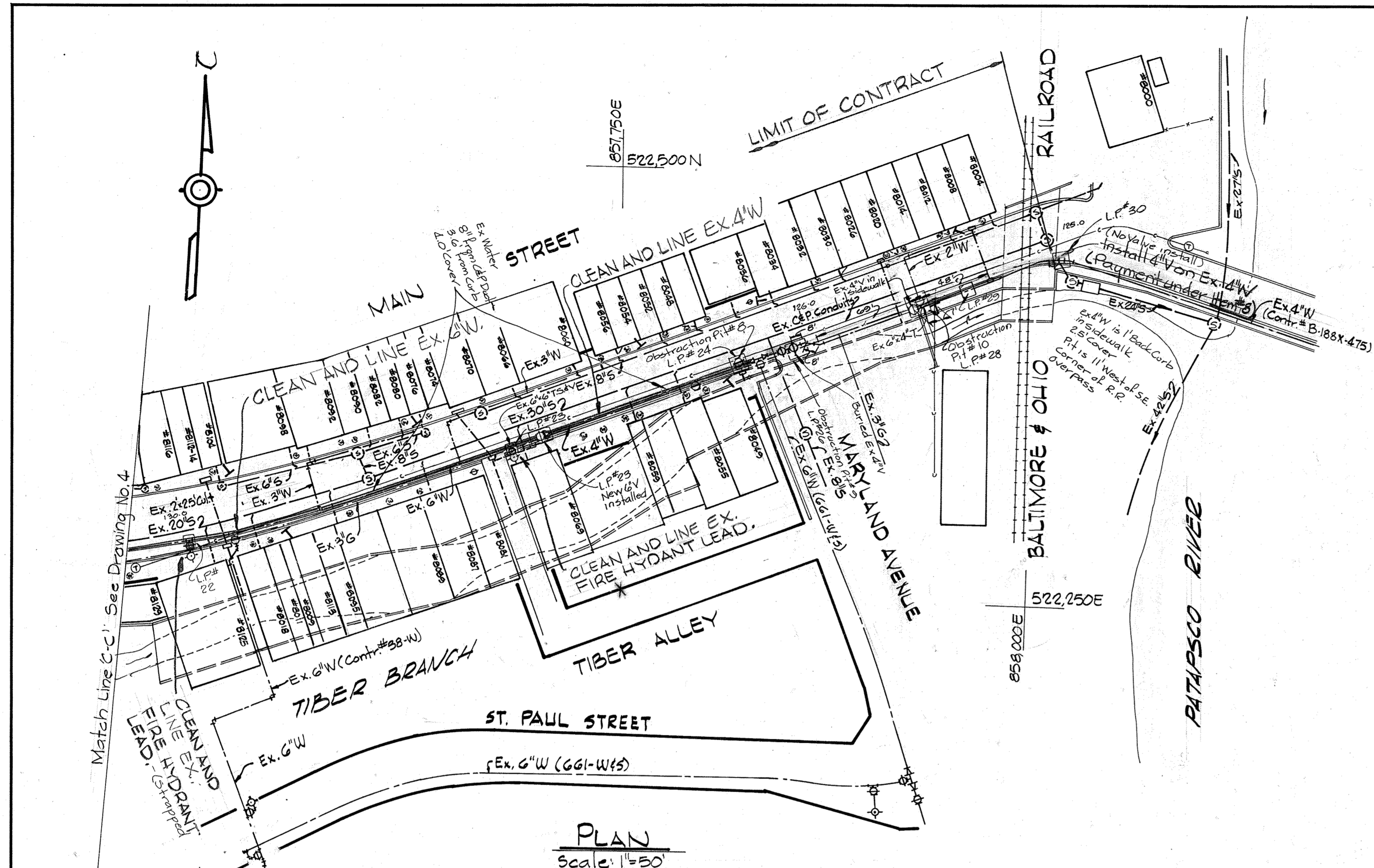
CONTRACT NO. 44-0915
PROJECT NO. W-6-8086

5/2020 6\"/>

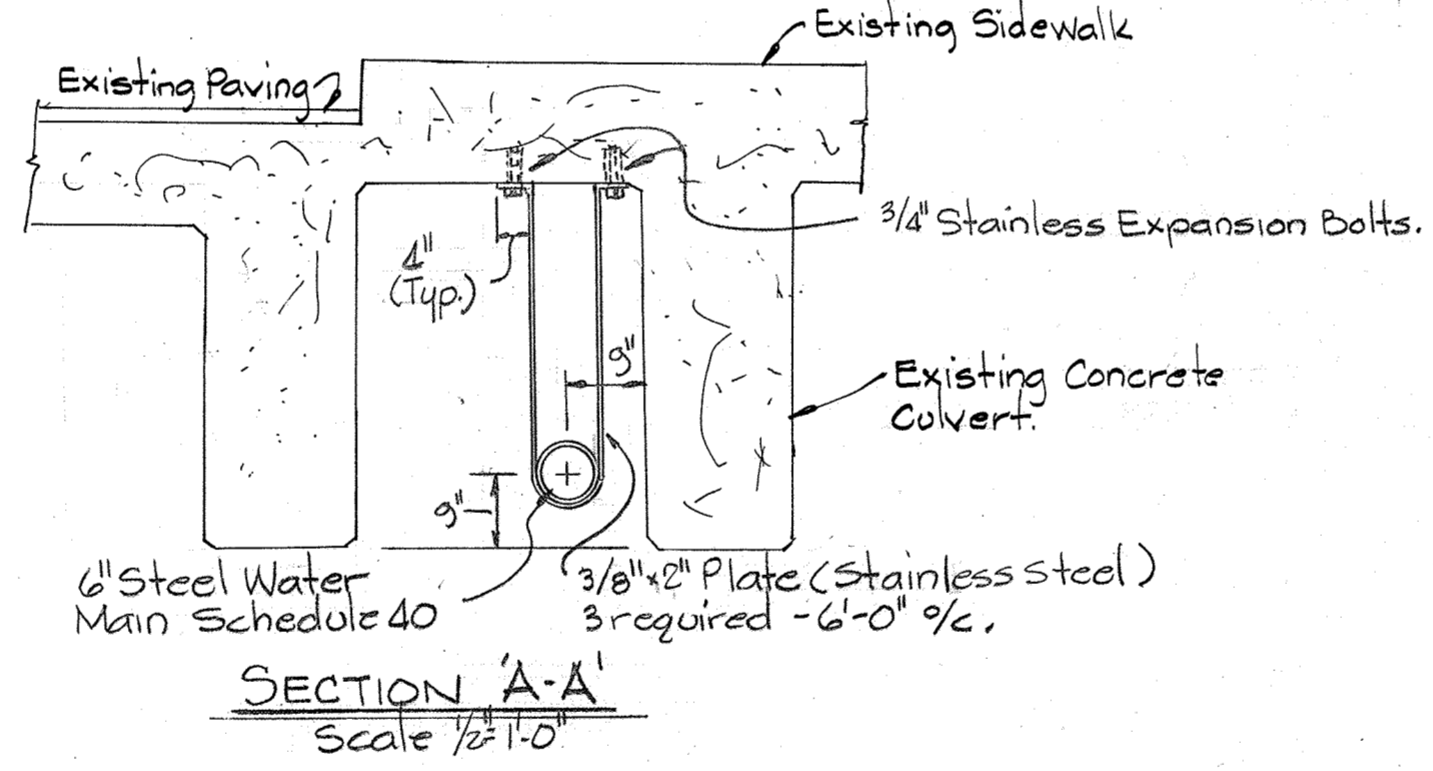
ELECTION DISTRICT
ELLICOTT CITY NO. 2

DRAWING NO. 5
OF 8
SCALE 1\"/>

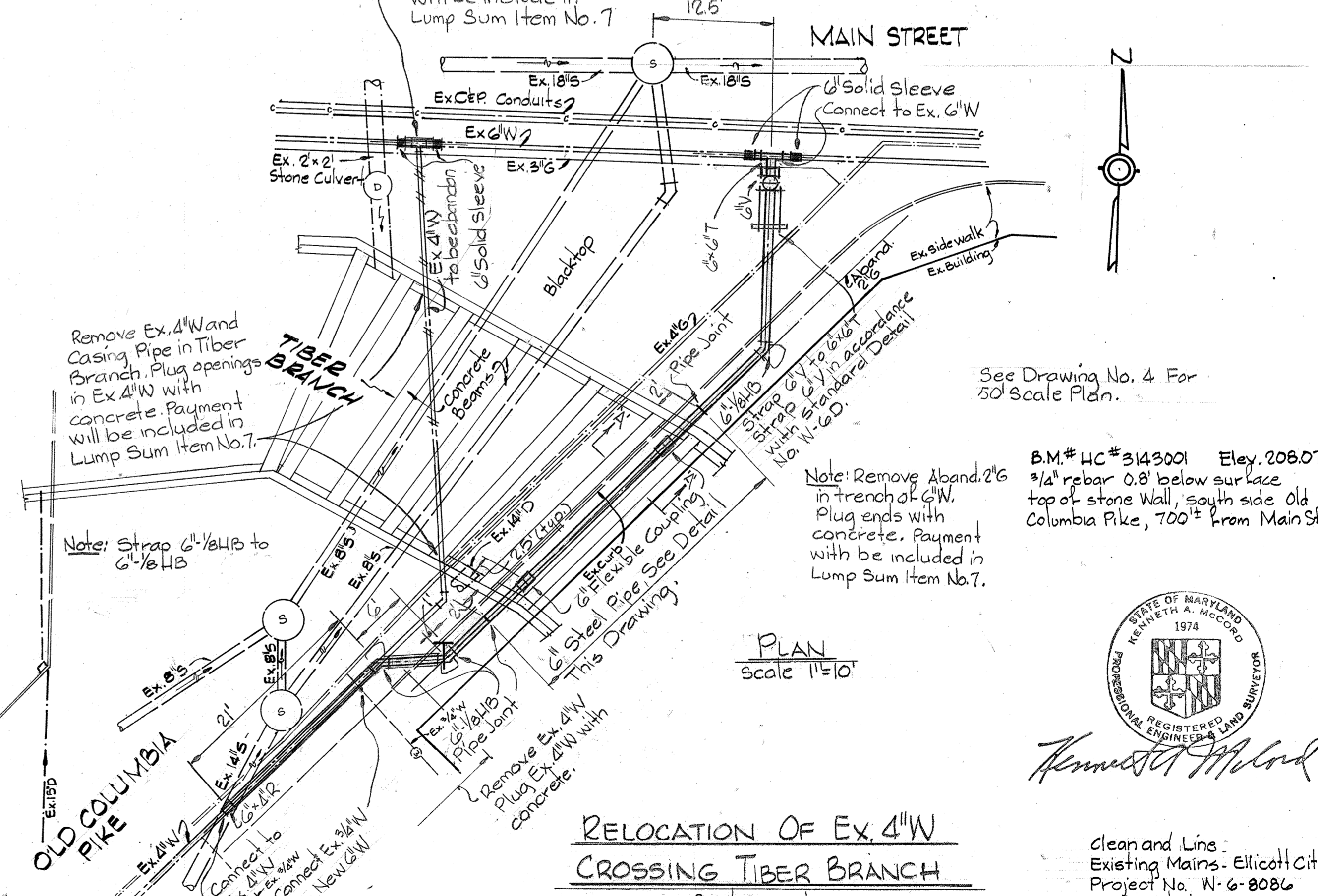
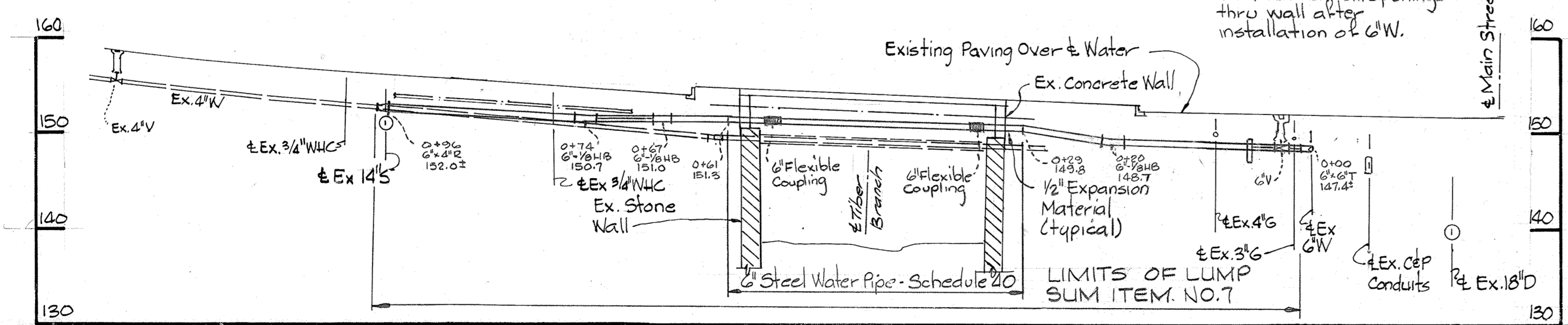
WS 915 W/S



- Notes:
1. Outside of 6" Steel Water Main shall be painted with two coats of Mobile Asphalt Black Paint 35-J-11 or equal.
 2. Inside of steel Water Main to be given three coats of Quigley Triple A No. 11 Hydraulic Black Paint or equal.
 3. Both Materials shall be applied in accordance with the requirements of the Manufacturer's Specifications.



Note: Provide 1/2" expansion material around 6" thru existing concrete wall. Grout all openings thru wall after installation of 6" W.



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Lane
DIRECTOR OF PUBLIC WORKS — DATE

James L. Ellis
CHIEF - BUREAU OF UTILITIES — DATE

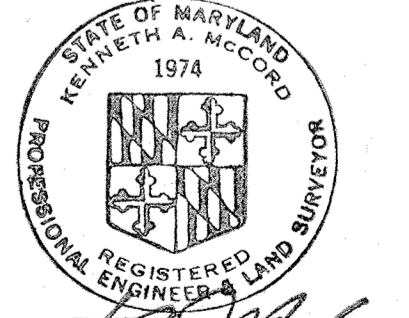
WHITMAN REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

CONTRACT NO. 44-0915
PROJECT NO. W-6-8086

PLANS, PROFILE AND DETAILS
OF WATER MAINS

ELECTION DISTRICT
ELLCOTT CITY NO. 2

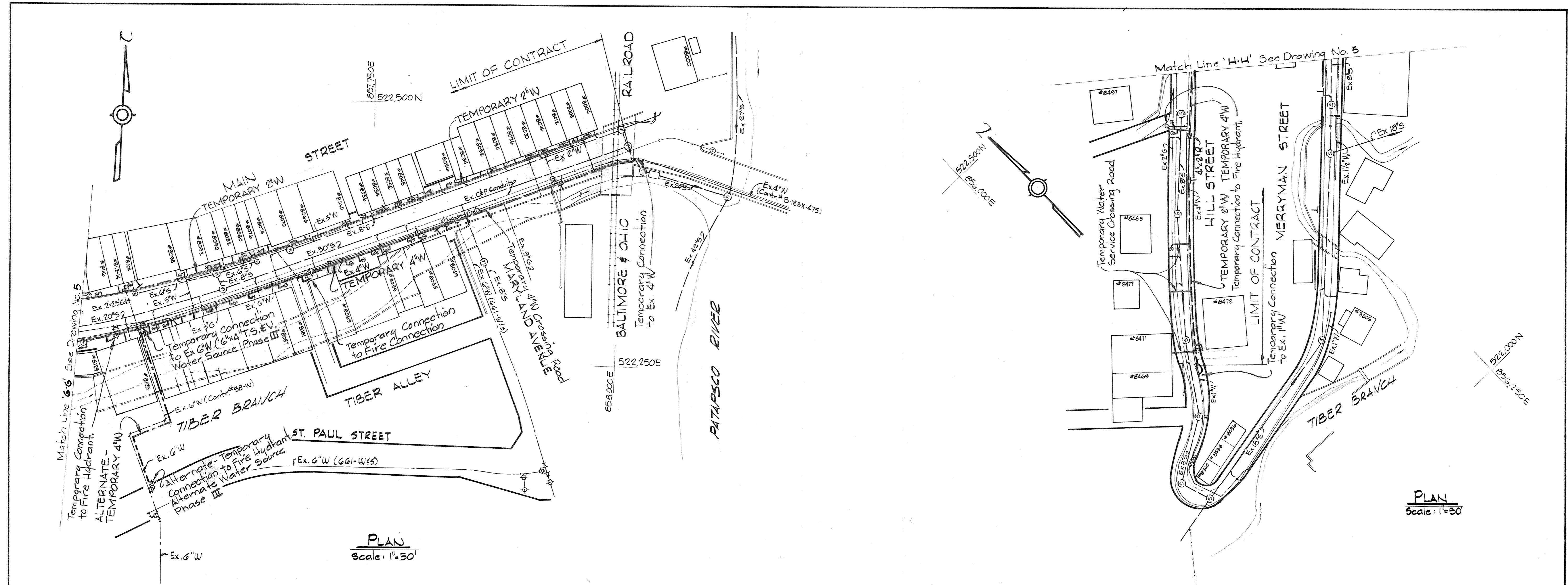
DRAWING NO. 6 OF 8
SCALE AS SHOWN



Kenneth M. Melrod
REGISTERED PROFESSIONAL ENGINEER

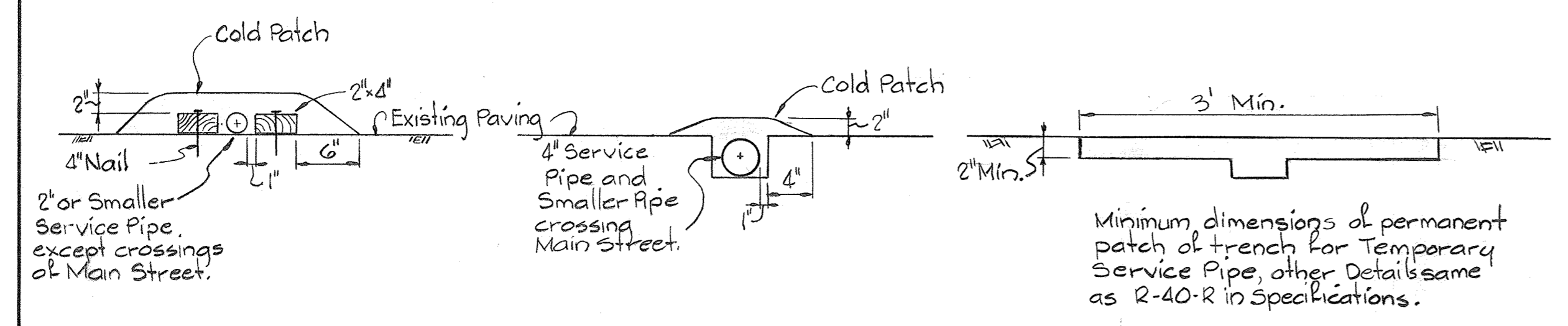
clean and Lines
Existing Mains - Ellicott City
Project No. W-6-8086
Contract No. 44-0915

WS 915 - W / 6



PLAN
Scale: 1"=50'

PLAN
Scale: 1"=50'



SURFACE INSTALLATION TRENCH INSTALLATION PERMANENT REPAIR
DETAILS OF TEMPORARY SERVICE CROSSING ROADS
Scale: 1"=1'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Lewis 6/13/80
DIRECTOR OF PUBLIC WORKS - DATE

James L. Glavin 6/16/80
CHIEF - BUREAU OF UTILITIES - DATE

William E. Ryle 6/18/80
CHIEF - BUREAU OF ENGINEERING - DATE

Allen S. Brown 6/18/80
CHIEF - UTILITIES DIVISION - DATE

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

CONTRACT NO. 44-0915
PROJECT NO. W-6-8086

PLAN AND DETAIL OF
TEMPORARY WATER SERVICE PIPE

ELECTION DISTRICT
ELlicott CITY NO.2

| | |
|---------------------|----------------|
| DRAWING NO. 7 OF 18 | SCALE AS SHOWN |
|---------------------|----------------|

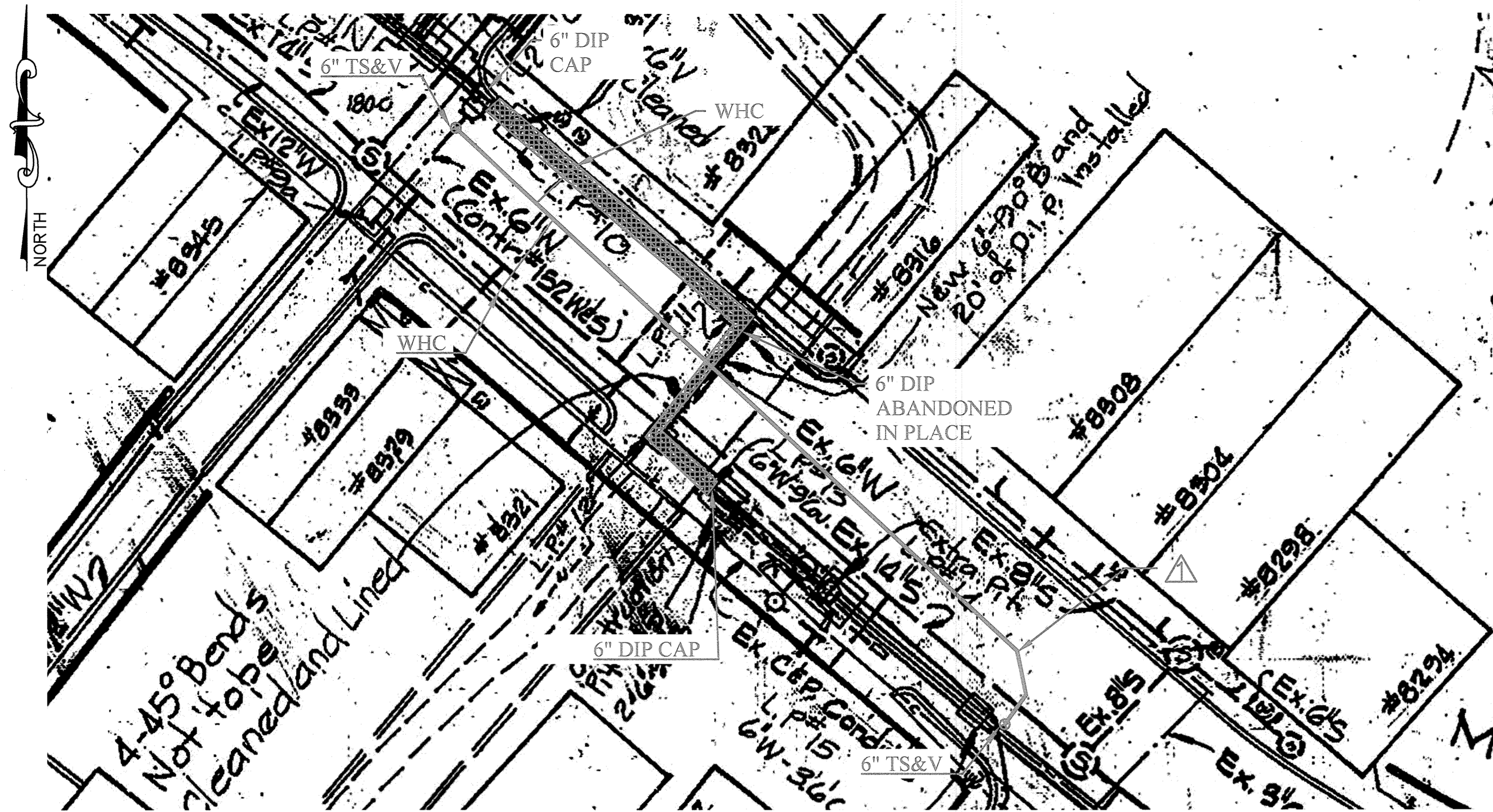
STATE OF MARYLAND
KENNETH A. MCCORD
1974
REGISTERED PROFESSIONAL ENGINEER

Kenneth A. McCord

Clean and Line
Existing Mains - Ellicott City
Project No. W-6-8086
Contract No. 44-0915

WS 915 - W / 7

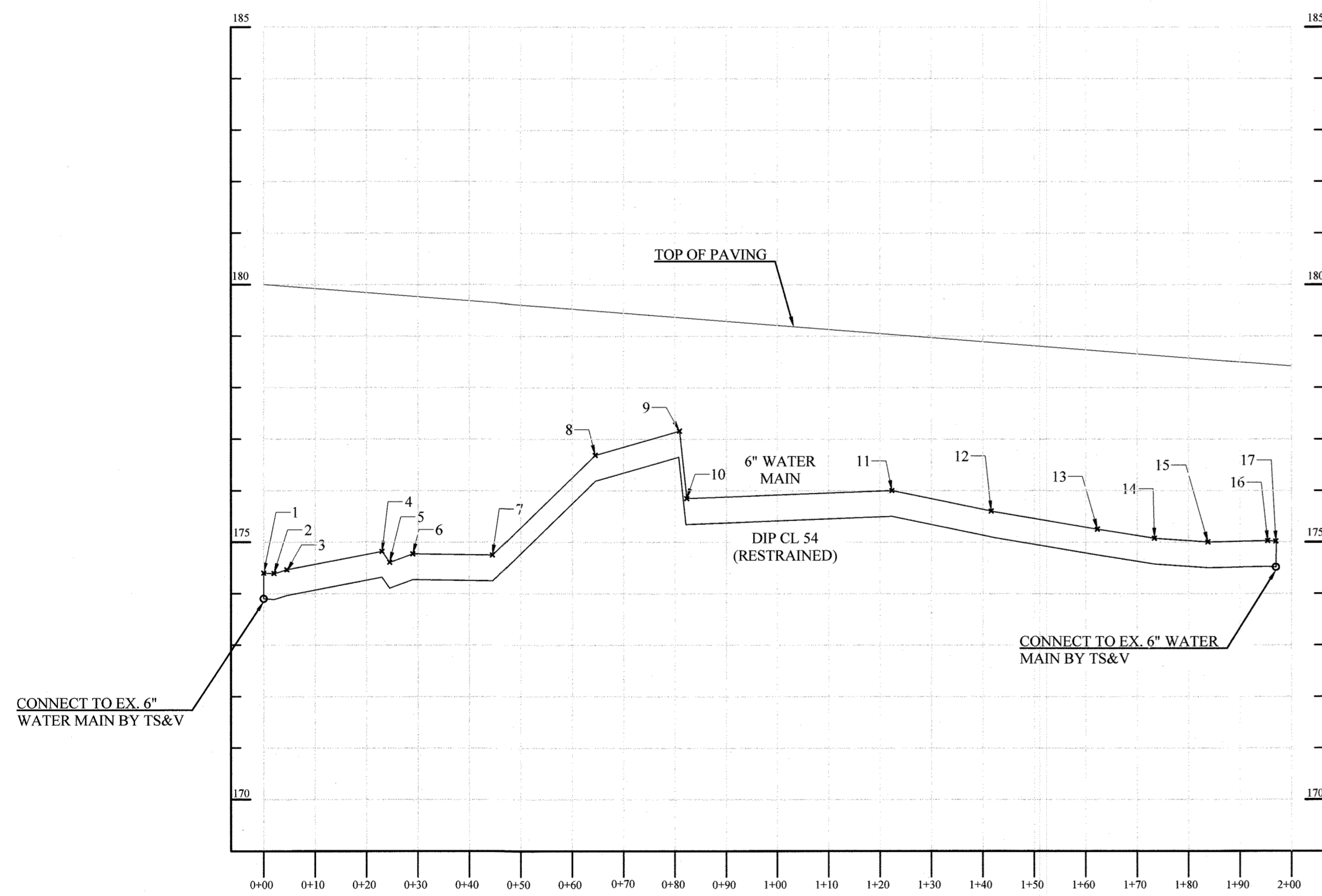
R:\2021\17240_HoCo\Call Howard County\Task 13 - Drafting Services for As-Built Drawings\Main Street As-Built Drawing\CADD\Elliott City Water Main.dwg May 07, 2020 - 8:42am
 EN\CTB Plot Scale 1"=1 Plot By: leahbone Tab:Arch D



PLAN - 6" WATER MAIN

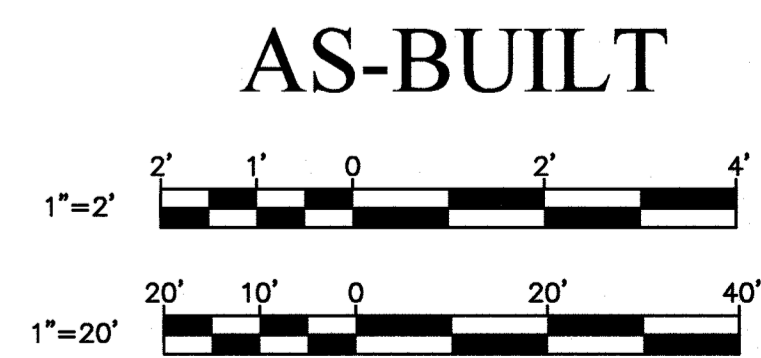
SCALE: 1" = 20'

| 6" Water Main Layout Table | | | | | |
|----------------------------|--------------|--------------------------|-------------------------|------------------------|--------------------------|
| Callout | Date 2019 | STA (Waterline Stations) | Offset (From Curb Head) | Depth (To Top of Main) | Details |
| 1 | 5/6 to 5/7 | 0+00 | 10.8' | 5.6' | 6" Pipe Sleeve |
| 2 | 5/6 to 5/7 | 0+02 | 10.8' | 5.6' | 6" Pipe Valve |
| 3 | 5/7 to 5/8 | 0+04.5 | 10.2' | 5.5' | 6" Pipe, Pipe Cap |
| 4 | 5/7 to 5/8 | 0+23 | 10.0' | 5.0' | WHC |
| 5 | 5/7 to 5/8 | 0+24.5 | 10.1' | 5.2' | 6" Pipe |
| 6 | 5/8 to 5/9 | 0+29 | 10.0' | 5.0' | WHC |
| 7 | 5/7 to 5/8 | 0+44.5 | 10.0' | 4.9' | 6" Pipe |
| 8 | 5/9 to 5/10 | 0+64.5 | 10.4' | 2.8' | 6" Pipe |
| 9 | 5/9 to 5/10 | 0+80.9 | 11.0' | 2.2' | 6" 45*Bend, S Bend, Down |
| 10 | 5/9 to 5/10 | 0+82.3 | 11.0' | 3.5' | 6" 45*Bend, S Bend, Down |
| 11 | 5/13 to 5/14 | 1+22.3 | 11.0' | 3.0' | 6" Pipe |
| 12 | 5/13 to 5/14 | 1+42.3 | 11.6' | 3.3' | 6" Pipe |
| 13 | 5/13 to 5/14 | 1+62.3 | 12.0' | 3.5' | 6" Pipe |
| 14 | 5/14 to 5/15 | 1+73.5 | 13.0' | 3.6' | 45* Bend |
| 15 | 5/14 to 5/15 | 1+83.8 | 21.0' | 3.6' | 45* Bend |
| 16 | 5/15 to 5/16 | 1+95.4 | 32.6' | 3.5' | 6" Pipe Valve |
| 17 | 5/15 to 5/16 | 1+97 | 34.0' | 3.5' | 6" Pipe Sleeve |



PROFILE - 6" WATER MAIN

SCALE: 1" = 20' (H)
1" = 2' (V)



| | | | |
|---|------|--------------------------------|------|
| 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: | JCM | △ | RELOCATION 6" WATER MAIN | MAY, 2020 |
| CHK: | | | | |
| SIGN DATE: | | | | |

AS-BUILT
MAY, 2020
6" WATER MAIN RELOCATION - PLAN
(STA 0+00 TO STA 1+97)
600' SCALE MAP NO. 25A

PROJECT NO. W8600
CONTRACT NO. 44-0915 - ADD-1
MAIN STREET WATER MAIN
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

SCALE
AS SHOWN
SHEET NO.
08 OF 08