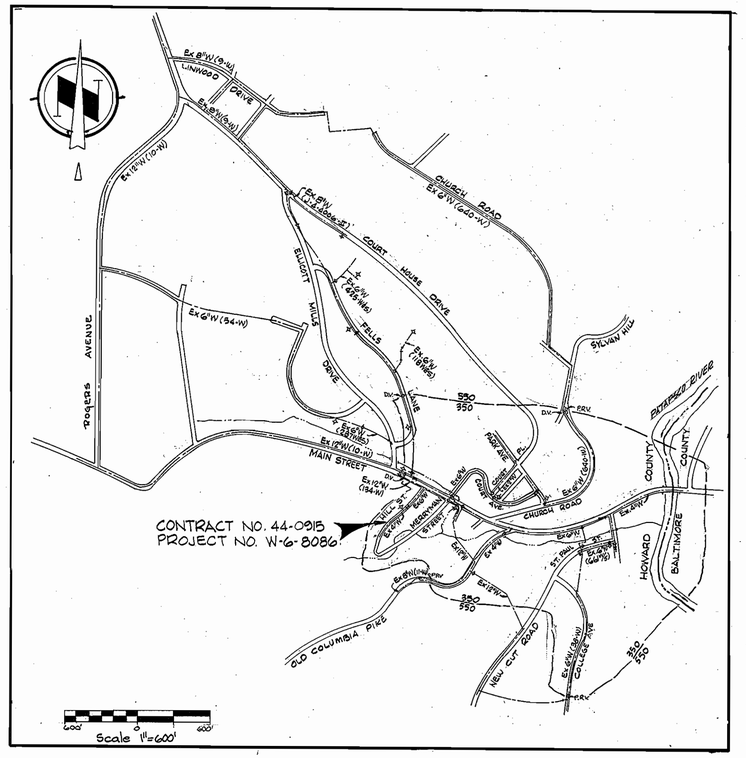
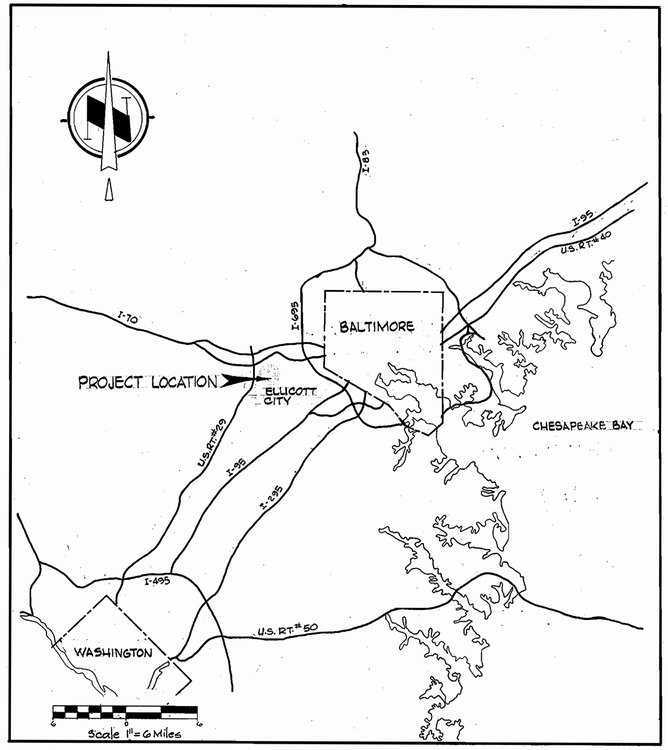
K&E BALTIMORE 170453 PHOENIX MC9132



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 F.B. # 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. Helwig — SIGNATURE — 6-12-80 DATE

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. Zeihn — HOWARD S.C.D. — 6-12-80 DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James McGuire 6/13/80 — DIRECTOR OF PUBLIC WORKS — DATE
William E. Riley 6/9/80 — CHIEF-BUREAU OF ENGINEERING — DATE
James L. Gleig 6/12/80 — CHIEF-BUREAU OF UTILITIES — DATE
Allen S. Brown 6/6/80 — CHIEF-UTILITIES DIVISION — DATE

STATE OF MARYLAND KENNETH A. McCORD 1974 REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

Kenneth A. McCord

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

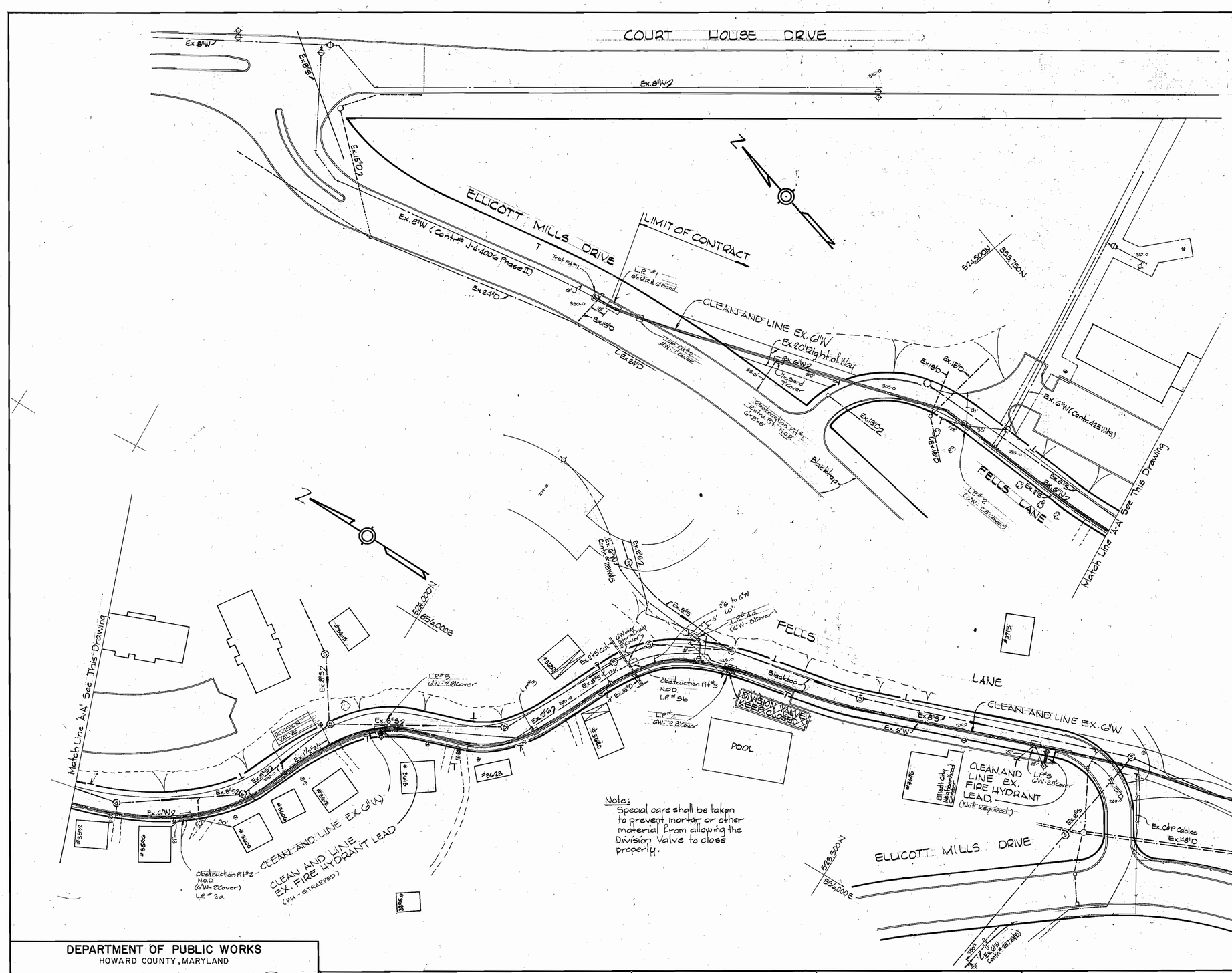
WHITMAN REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	CONTRACT NO. 44-0915 PROJECT NO. W-6-8086	LOCATION MAP	ELECTION DISTRICT ELLICOTT CITY NO.2	DRAWING NO. 1 OF 7	SCALE AS SHOWN

W.O. #7469-2

June 3, 1980

WS 915 -W / 1

K&E BALTIMORE 170453 PHOENIX MC 9132



Note:
Special care shall be taken to prevent mortar or other material from allowing the Division Valve to close properly.

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.

STATE OF MARYLAND KENNETH A. McCORD 1974 REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

Kenneth A. McCord

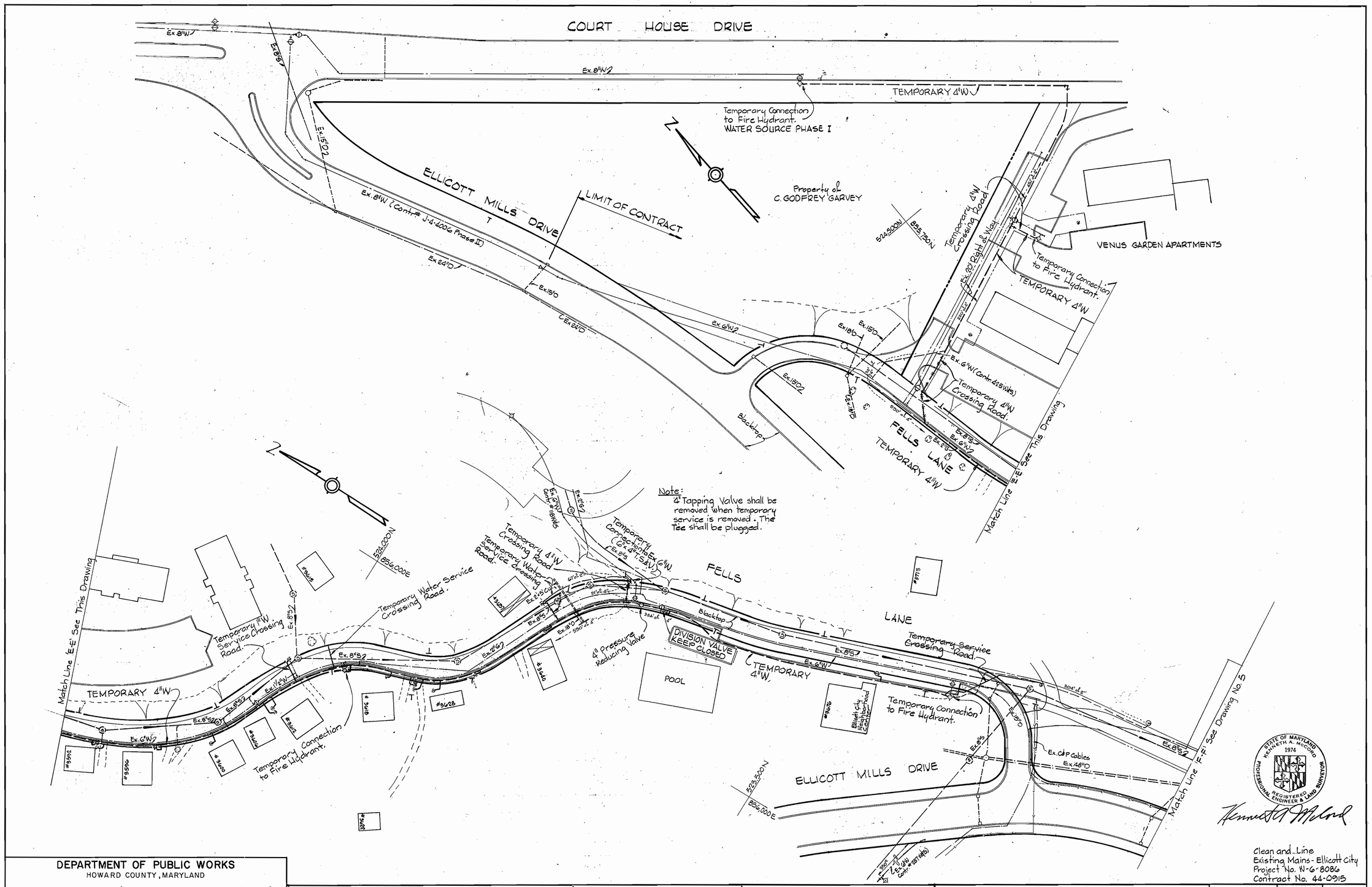
Clean and Line
Existing Mains - Ellicott City
Project No. W-6-8086
Contract No. 44-0915

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND					
James M. Irvin 6/13/80 DIRECTOR OF PUBLIC WORKS — DATE James L. Gleig 6/12/80 CHIEF-BUREAU OF UTILITIES — DATE	William E. Raley 6/9/80 CHIEF-BUREAU OF ENGINEERING — DATE Allen S. Brown 6/6/80 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 7	SCALE 1"=50'

W.O. #7469-2

June 3, 1980

WS 915 - W 12



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

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND		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 7	SCALE 1"=50'
James McIlvain 6/13/80 DIRECTOR OF PUBLIC WORKS — DATE	William E. Riley 6/9/80 CHIEF-BUREAU OF ENGINEERING — DATE						
James L. Glig 6/12/80 CHIEF-BUREAU OF UTILITIES — DATE	Allen S. Brown 6/6/80 CHIEF- UTILITIES DIVISION — DATE						

W.O. #7469-2

June 3, 1980

WS 915-W/3

K&E BALTIMORE 170453 PHOENIX MC9132

STATE OF MARYLAND KENNETH ... McCORD 1974

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. Irvin 6/13/80	*H. William E. Riley* 6/4/80
DIRECTOR OF PUBLIC WORKS — DATE	CHIEF-BUREAU OF ENGINEERING — DATE
[signature] 6/12/80	[signature] 6/12/80
CHIEF—BUREAU OF UTILITIES — DATE	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. 4 OF 7

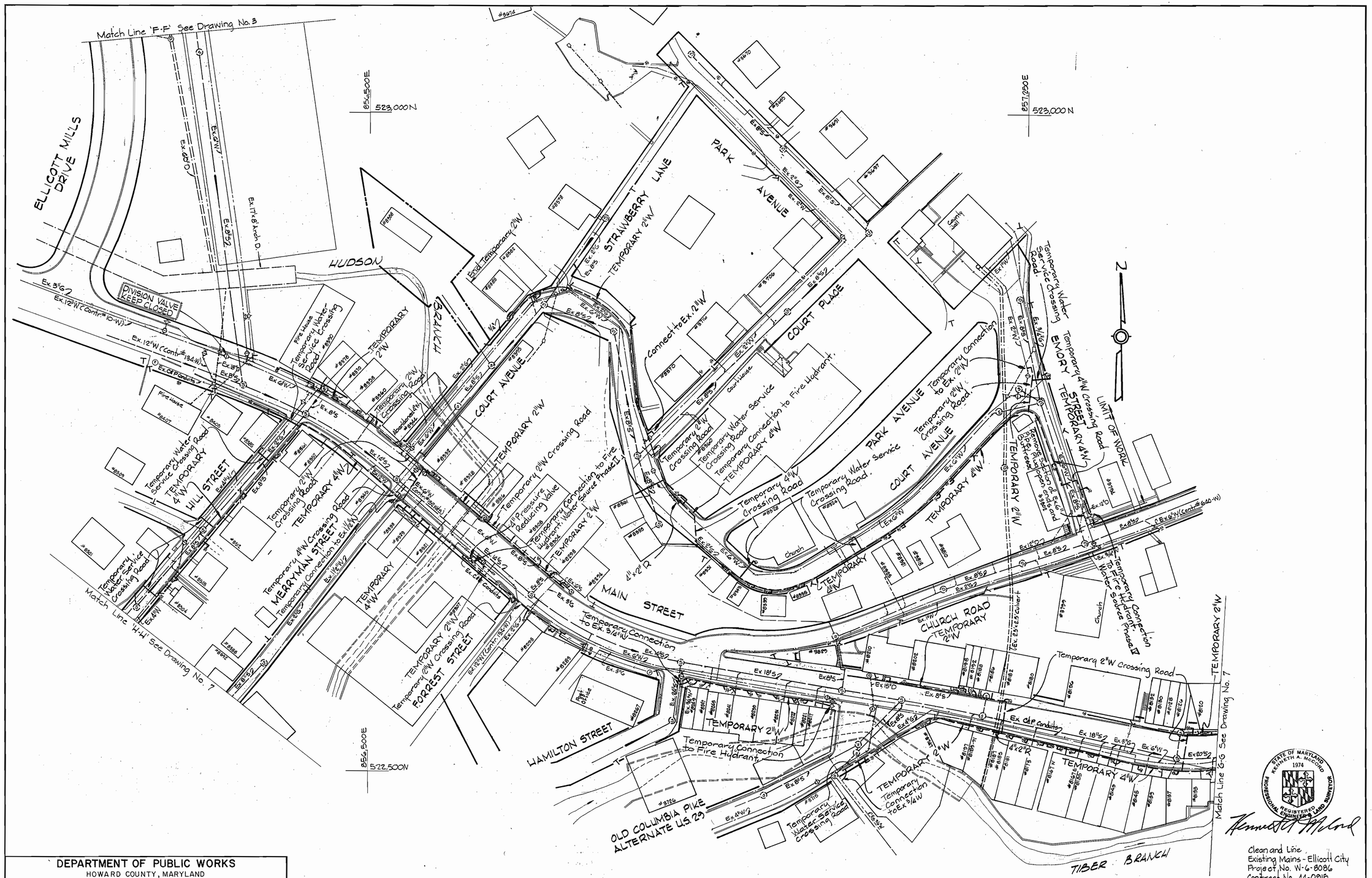
SCALE 1"=50'

W.O. 7469-2

June 3, 1980

915-W/4

K&E BALTIMORE 17 0493 PHOENIX MC 9132•



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Irvin 6/18/80 — DIRECTOR OF PUBLIC WORKS — DATE
James L. Gluis 6/16/80 — CHIEF—BUREAU OF UTILITIES — DATE
K. Edwin Coe, P.E. 6/19/80 — CHIEF-BUREAU OF ENGINEERING — DATE
Allen L. Braun 6/16/80 — 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. 5 OF 7

SCALE 1"=50'

STATE OF MARYLAND KENNETH A. McCORD 1974 REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

Kenneth A. McCord

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

W. O. 7469-2

June 3, 1980

WS 915 W/5

K&E BALTIMORE 170453 PHOENIX MC9132

OLD COLUMBIA PIKE

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

PROFILE
Scale: H&V = 1"=10'

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.

See Drawing No. 4 For 50' Scale Plan.

Note: Remove Aband. 2"G in trench of 6"W. Plug ends with concrete. Payment with be included in Lump Sum Item No. 7.

B.M. # HC # 3143001 Elev. 208.07
3/4" rebar 0.8' below surface top of stone Wall, south side Old Columbia Pike, 700'± from Main Street

STATE OF MARYLAND
KENNETH A. McCORD
1974
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

Kenneth A. McCord

RELOCATION OF EX. 4"W
CROSSING TIBER BRANCH
Scale: as shown

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

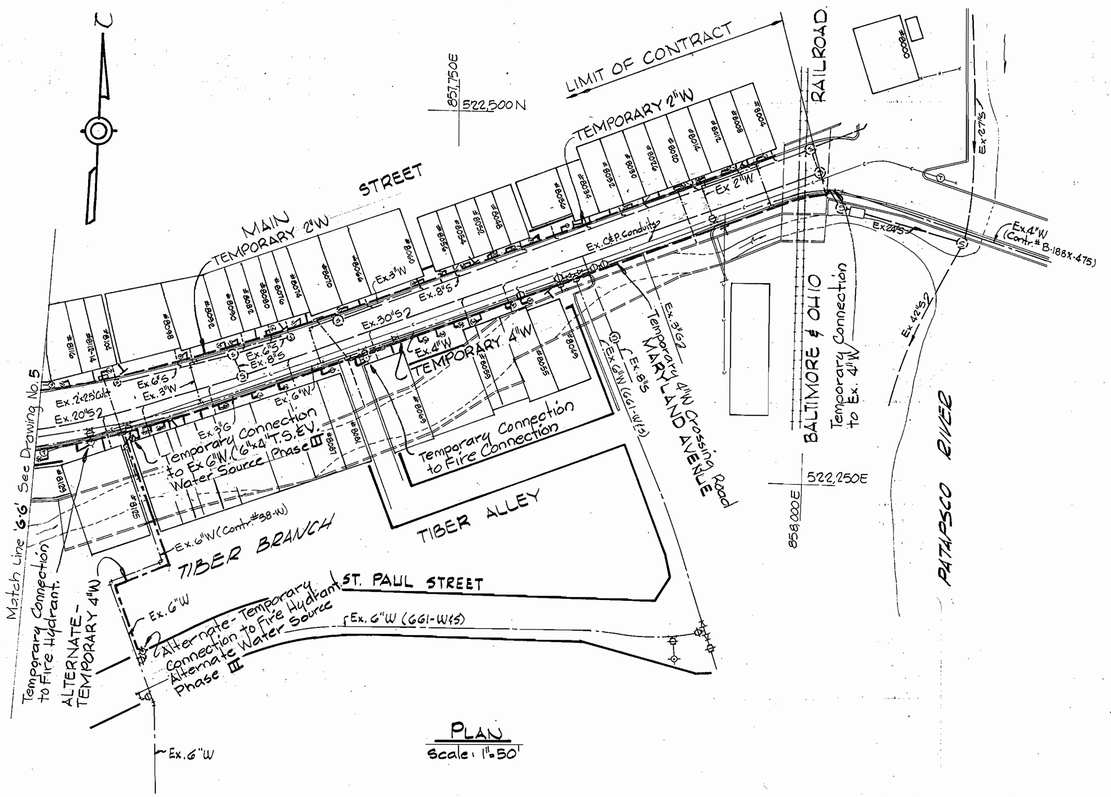
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND		WHITMAN REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	CONTRACT NO. 44-0915 PROJECT NO. W-6-8086	PLANS, PROFILE AND DETAILS OF WATER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 6 OF 7	SCALE AS SHOWN
James McLean 6/13/80 DIRECTOR OF PUBLIC WORKS — DATE	K. Pedleisin E. Riley 6-? CHIEF-BUREAU OF ENGINEERING — DATE						
James L. Gleig 6/12/80 CHIEF—BUREAU OF UTILITIES — DATE	Allen S. Brown 6/6/80 CHIEF - UTILITIES DIVISION — DATE						

W.O. # 7469-2

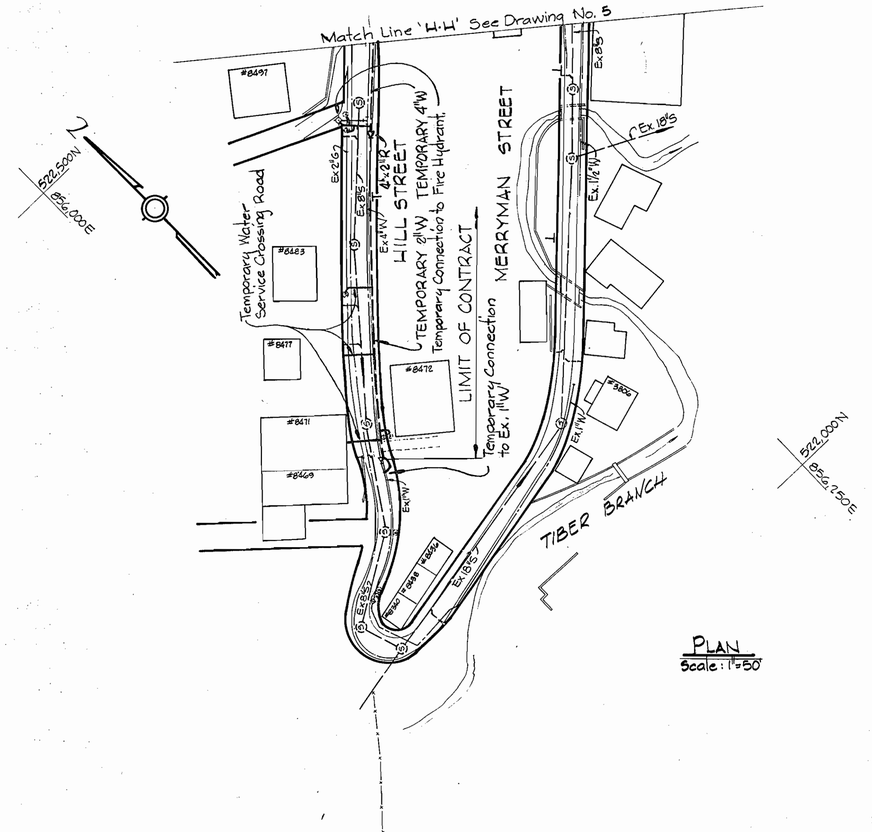
June 3, 1980

WS 915-W/6

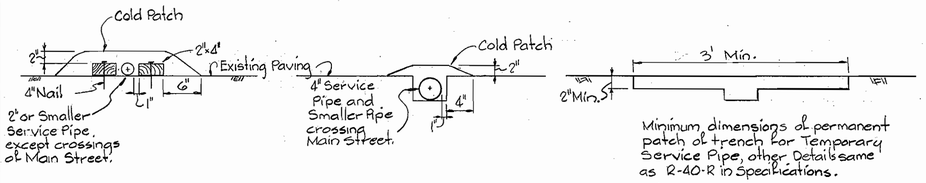
K&E BALTIMORE 17-0453 PHOENIX MC 9132



PLAN
Scale: 1"=50'



PLAN
Scale: 1"=50'



SURFACE INSTALLATION TRENCH INSTALLATION PERMANENT REPAIR

DETAILS OF TEMPORARY SERVICE CROSSING ROADS
Scale 1"=1'

STATE OF MARYLAND
KENNETH A. McCORD
1974
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

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	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 7	SCALE AS SHOWN
James M. Irwin 6/13/80 DIRECTOR OF PUBLIC WORKS — DATE James L. Gleig 6/12/80 CHIEF—BUREAU OF UTILITIES — DATE William E. Riley 6/9/80 CHIEF-BUREAU OF ENGINEERING — DATE Allen S. Brown 6/6/80 CHIEF — UTILITIES DIVISION — DATE						

W. O. #1469-2

June 3, 1980

WS 915 - W / 7