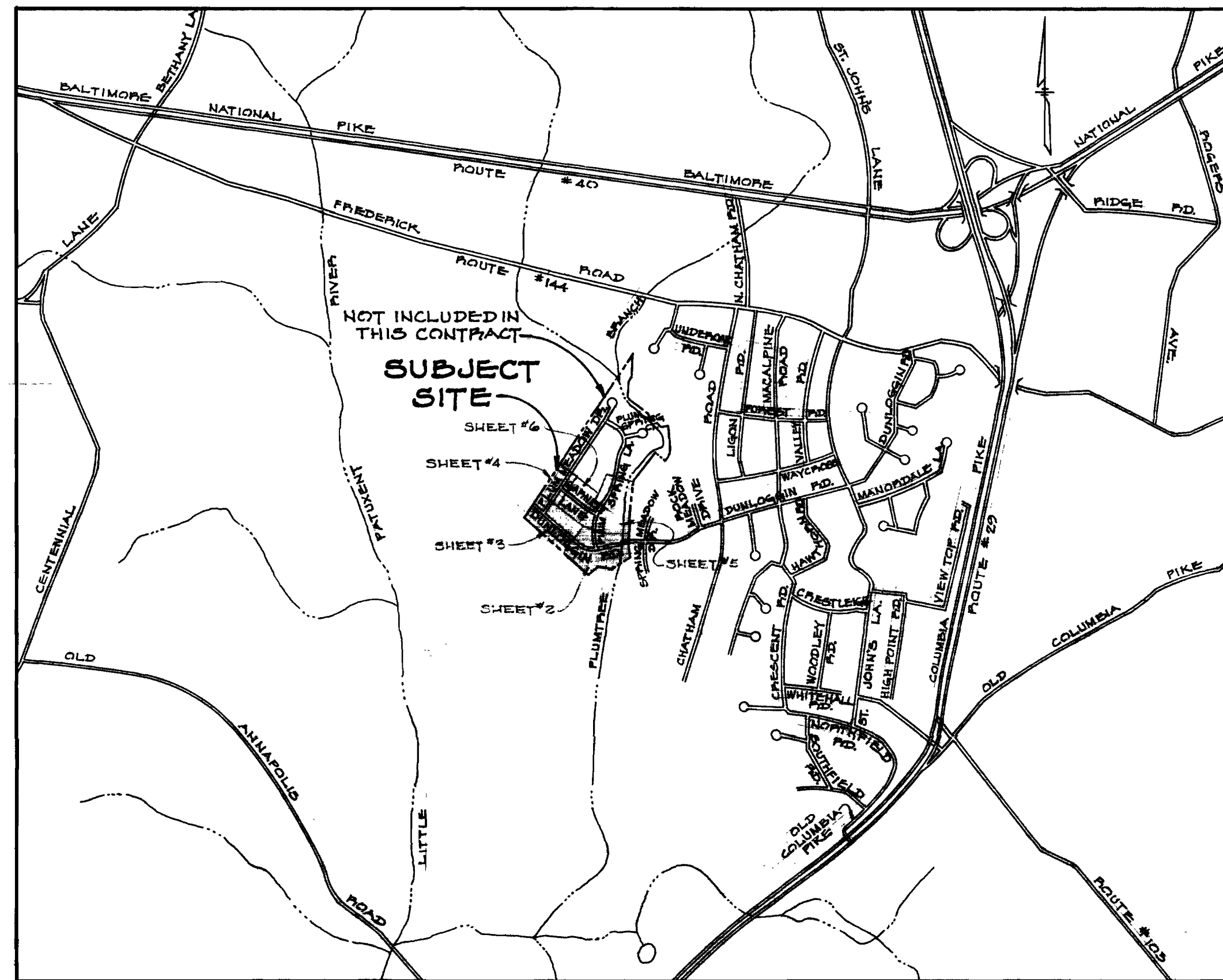


# GENERAL NOTES

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICE CONNECTIONS AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY.
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT OR ELEVATIONS.
  - THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
  - FOR ALL STANDARD DETAILS SEE STANDARDS BOUND IN SPECIFICATIONS.
  - KEEP ALL UTILITIES BY A MINIMUM OF 6", ALL POLES BY A MINIMUM OF 2'-0" OR TUNNEL AS REQUIRED.
  - ALL WATER MAINS TO HAVE A MINIMUM 2 1/2' OF COVER UNLESS OTHERWISE NOTED.
  - BLOCK ALL WATER MAIN FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
  - PIPE HYDRANTS SHALL BE SET AT THE BURY LINE ELEVATIONS SHOWN ON DRAWINGS.
  - PIPE HYDRANTS SHALL BE STRAPPED TO TEES AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.
  - ALL WATER VALVES SHALL BE STRAPPED TO TEES IN ACCORDANCE WITH STANDARD DETAILS.
  - COSTS OF STRAPPING FIRE HYDRANTS AND VALVES TO TEES SHALL BE INCLUDED IN THE PRICE BID FOR FURNISHING AND LAYING OF WATER MAINS.
  - THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
  - SEWER MANHOLES SHALL BE 4'-0" INSIDE EXCEPT WHERE OTHERWISE NOTED.
  - THE CONTRACTOR SHALL NOTIFY THE BALTO. GAS & ELECTRIC CO. 72 HOURS IN ADVANCE OF EXCAVATION BY CALLING 533-5000, EXT. 69.
  - THE CONTRACTOR SHALL NOTIFY THE C&P TELEPHONE CO. PRIOR TO ANY CONSTRUCTION IN VICINITY OF ANY TELEPHONE CO. FACILITIES BY CALLING COLLECT 695-0400 IN BALTIMORE, MD.
  - ALL WATER MAINS TO BE C.I.P., D.I.P., OR A.C.P.X. UNLESS OTHERWISE NOTED.
  - ALL SEWER MAINS TO BE V.C.P.X., A.C.P. CLASS 2100 OR C.S.P.X. UNLESS OTHERWISE NOTED.
  - TREES ARE TO BE PROTECTED AGAINST DAMAGE TO THE MAX. EXTENT REASONABLE.
  - ROADWAYS ARE TO BE SET TO SUBGRADE BEFORE INSTALLATION OF UTILITIES.
20. COORDINATES SHOWN HEREON ARE BASED ON MARYLAND STATE DATUM.

# CONSTRUCTION PLAN INDEX

**WATER AND SEWER**  
 SHEET #1 of 6 - TITLE SHEET  
 SHEET #2 of 6 - DUNLOGGIN ROAD FROM PLUM TREE BRANCH WESTERLY  
 SHEET #3 of 6 - DUNLOGGIN ROAD WESTERLY TO PLUM MEADOW DRIVE  
 SHEET #4 of 6 - PLUM MEADOW DRIVE FROM DUNLOGGIN ROAD NORTHEASTERLY  
 SHEET #5 of 6 - PLUM SPRING LANE FROM DUNLOGGIN ROAD NORTHEASTERLY  
 SHEET #6 of 6 - GARNET LANE FROM PLUM SPRING LANE WESTERLY TO PLUM MEADOW DRIVE



**VICINITY MAP**  
 SCALE: 3/4" = 1 MILE

**LEGEND**

- WATER SERVICE CONNECTIONS
- SEWER SERVICE CONNECTIONS
- MINIMUM CELLAR ELEVATIONS

**CELLAR ELEVATION SCHEDULE**

BLOCK	LOT	CELLAR EL.	BLOCK	LOT	CELLAR EL.
A	1	343.50	C	4	363.00
A	2	346.10	C	5	364.00
A	3	348.20	C	6	367.00
A	4	353.00	C	7	373.00
A	5	354.00	C	8	380.00
A	6	360.00	C	9	381.00
A	7	363.00	C	10	375.10
A	8	368.00	C	11	369.00
A	9	368.00	C	12	364.50
A	10	369.00	C	13	358.00
A	11	373.00	D	1	352.00
A	12	376.00	D	2	366.60
A	13	379.00	D	3	372.20
A	14	382.00	D	4	377.80
B	1	377.00	D	5	383.10
B	2	377.00	D	6	380.50
B	3	384.00	E	43	343.50
B	4	384.00	E	42	353.90
B	5	386.00	E	41	356.85
B	6	387.00	E	40	354.15
C	1	363.00	E	39	353.05
C	2	362.00	E	38	352.20
C	3	361.00	E	37	351.20

**QUANTITY SCHEDULE**

ITEM	QUANTITY
8" SEWER	4053 L.F.
6" WATER	2149 L.F.
8" WATER	1650 L.F.
FIRE HYDRANTS	4

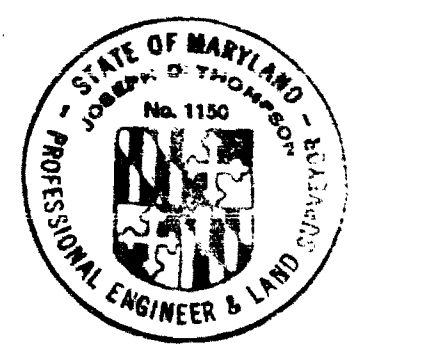
**BENCH MARK CONTROL SCHEDULE**

BENCH MARK  
 CORNER BOLT ON FIRE HYDRANT @ SPRING MEADOW DRIVE  
 AND SPRING MEADOW COURT ON NORTHEAST SIDE OF SPRING MEADOW DRIVE.  
 ELEVATION = 352.66

**HORIZONTAL CONTROL SCHEDULE**

S-37  
 IRON PIPE PLANTED ON THE NORTHWEST CORNER OF LOT #14 DUNLOGGIN II SECTION 5 N 520, 807.48 E 845, 913.29

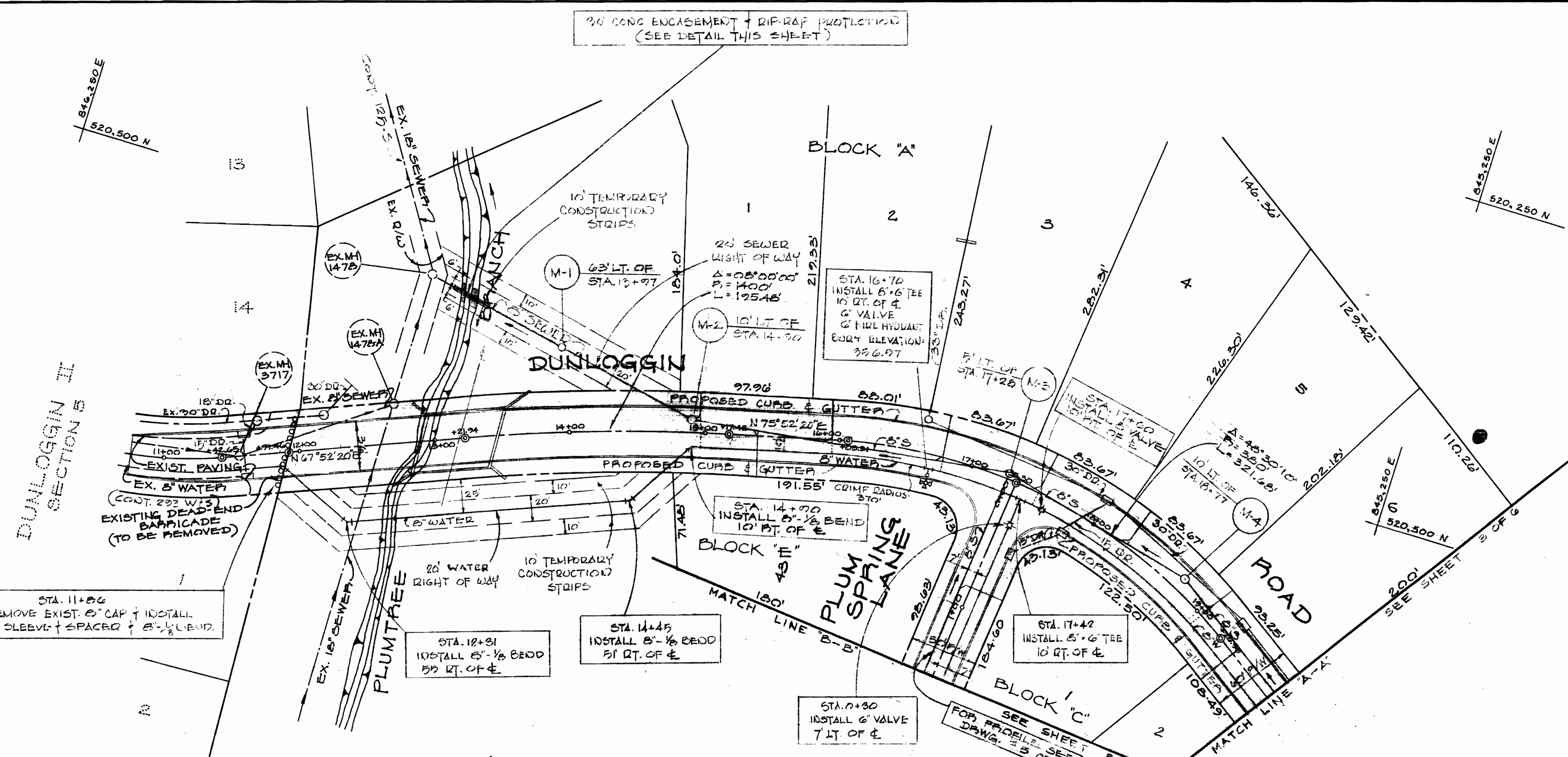
Y-29  
 IRON PIPE PLANTED ON THE SOUTHWEST CORNER OF LOT #14 DUNLOGGIN II SECTION 5 N 520, 670.33 E 845, 923.07



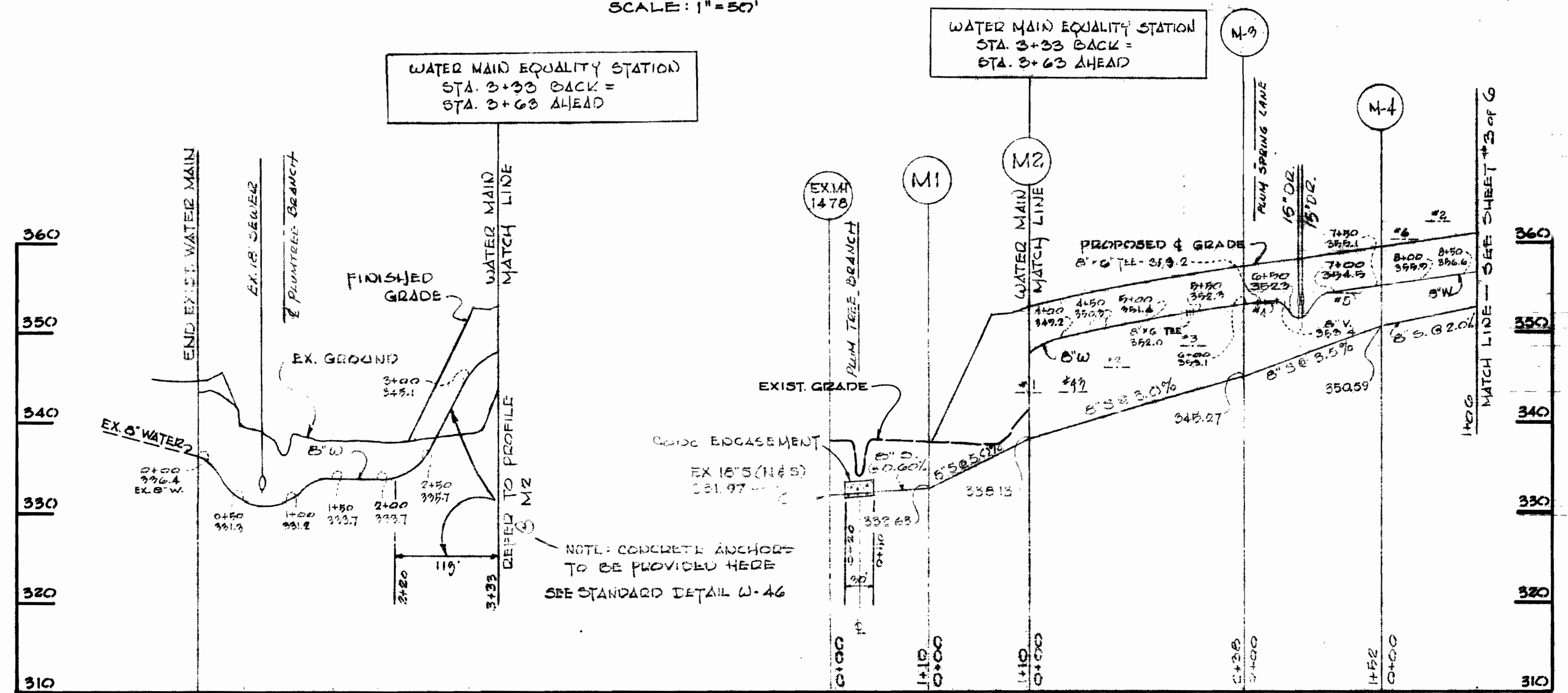
Joseph D. Thompson

DUNLOGGIN II  
 SECTION NO. 7  
 AREA I

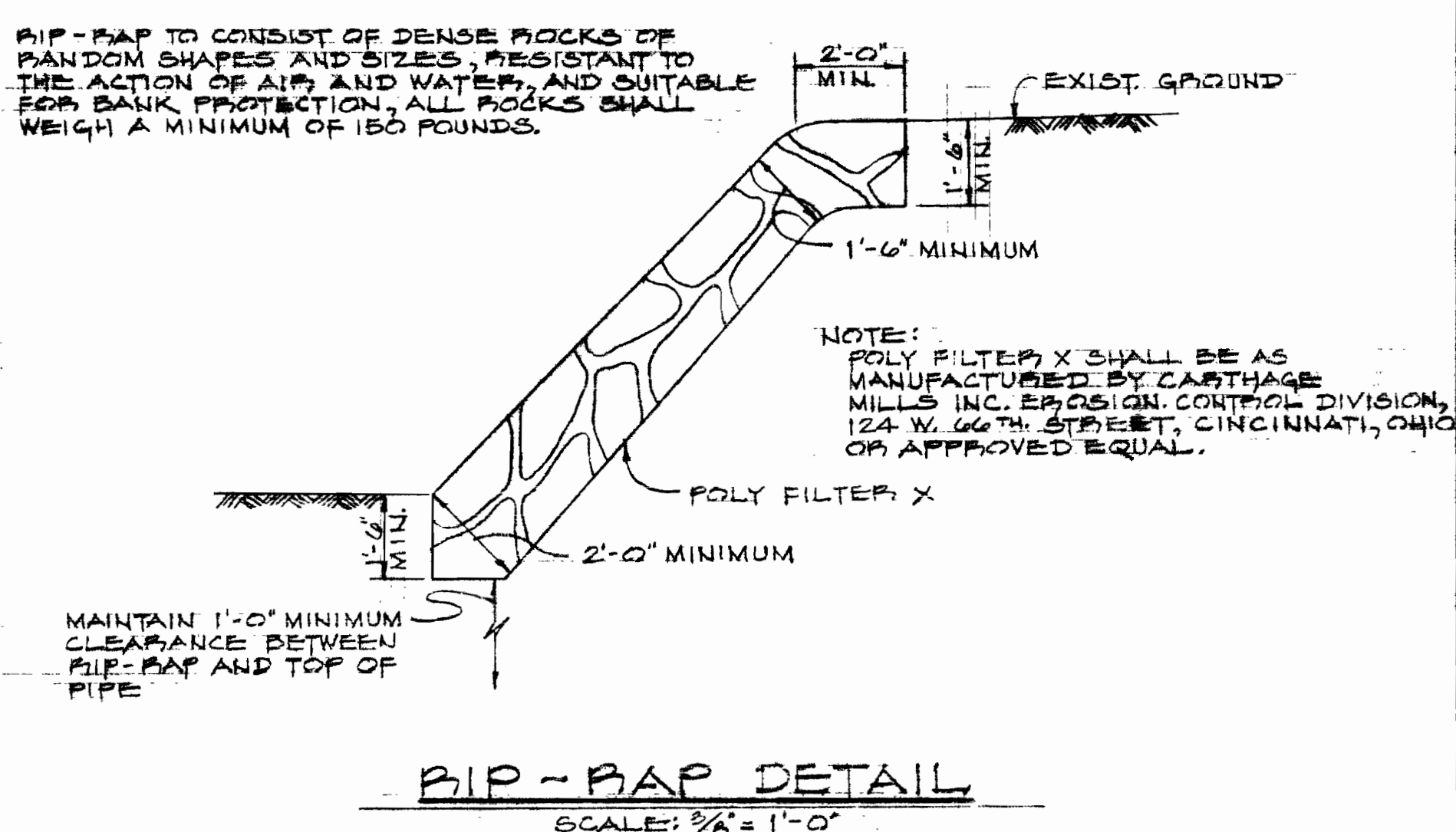
JOSEPH D. THOMPSON ENGINEERS & LAND SURVEYORS 101 SHELL BLDG. 200 E. JOFFA RD. TOWSON, MD	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 4-9-73 DATE	CONTRACT NO. 4507DWES W. O. Lambert CHIEF BUREAU OF ENGINEERING	PLAN & PROFILE OF WATER & SEWER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 1 OF 6 SCALE AS SHOWN
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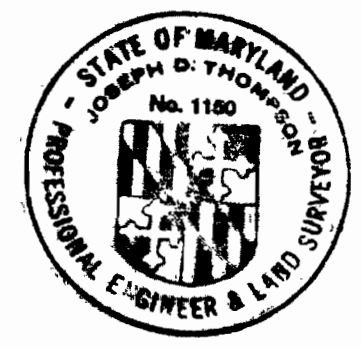
**PLAN**  
SCALE: 1" = 50'



**PROFILE**  
SCALE: HORIZ. 1" = 100'  
VERT. 1" = 10'



**PIP-RAP DETAIL**  
SCALE: 3/8" = 1'-0"



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101 SHELL BLDG.  
200 E. JOPPA RD. TOWSON, MD.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
4-9-73  
DATE

CONTRACT NO. 507.D.W. & S.

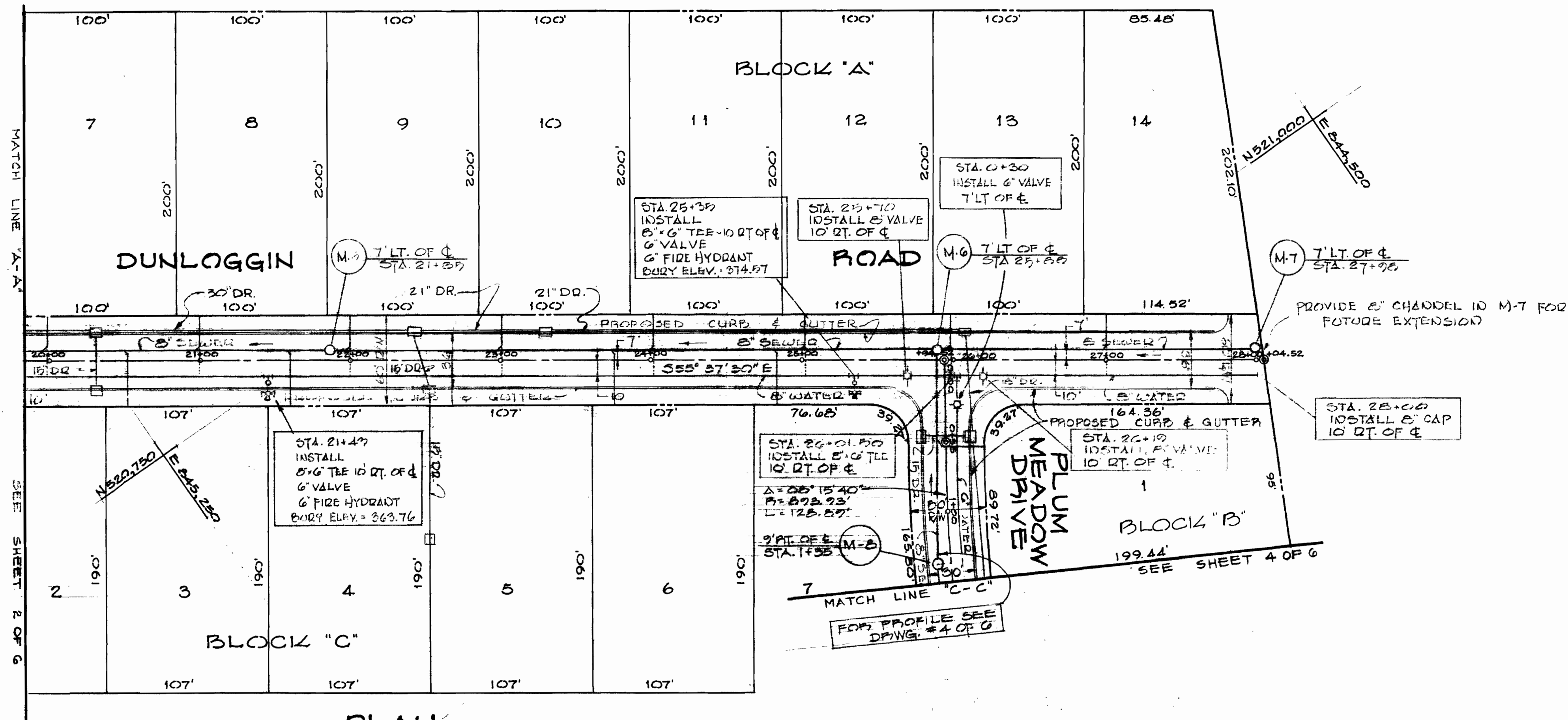
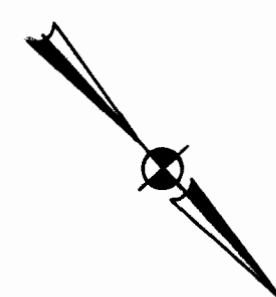
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WATER & SEWER MAINS

ELECTION DISTRICT  
ELLCOTT CITY NO. 2

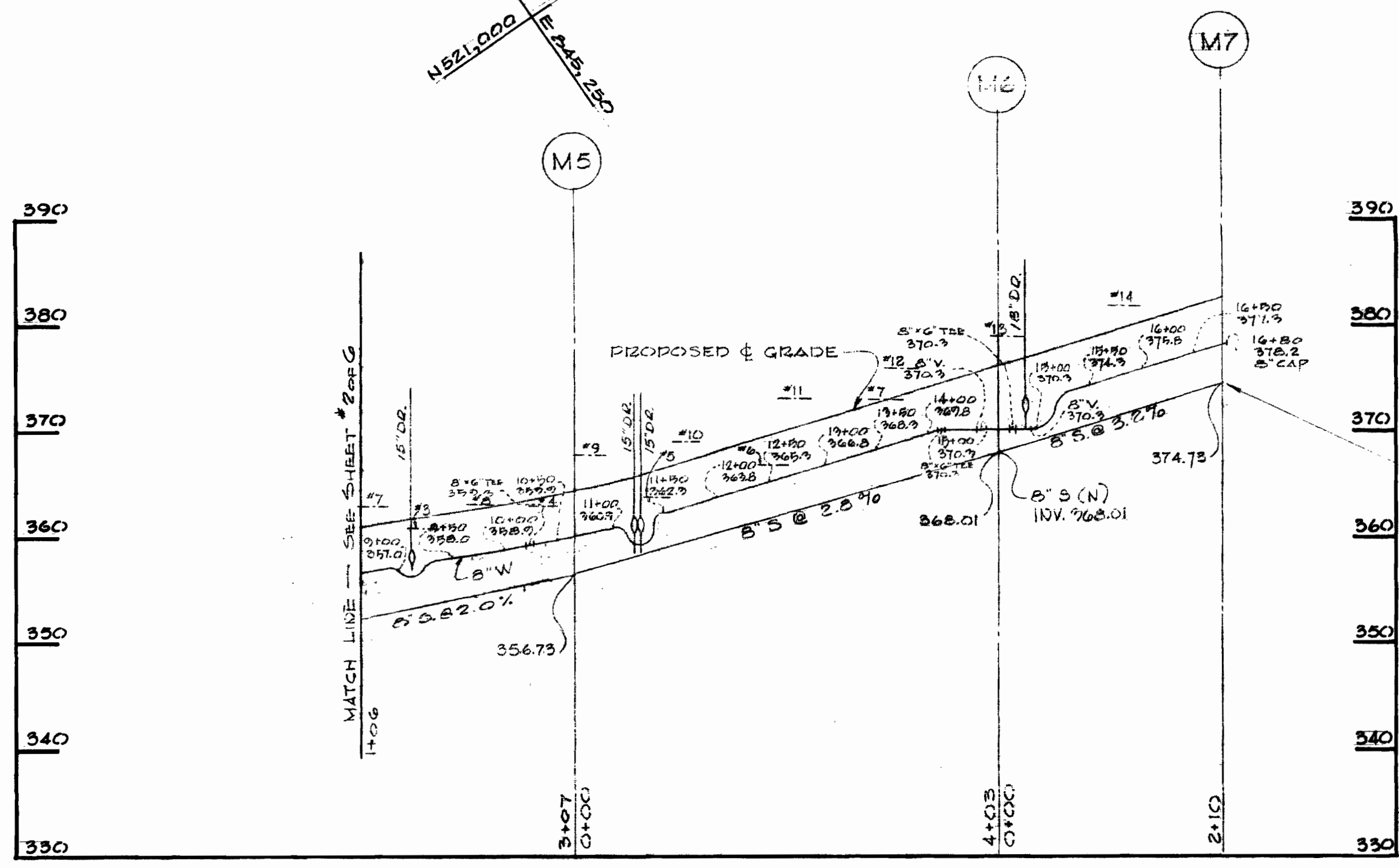
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AREA 1  
DRAWING NO. 2  
OF 6  
SCALE AS SHOWN

MAY 1, 1973

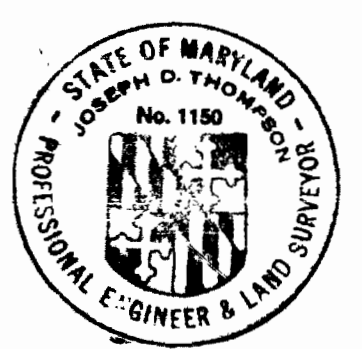
WS 507 W&S/2



**PLAN**  
SCALE: 1"=50'



**PROFILE**  
SCALE: HORIZ. 1"=100'  
VERT. 1"=10'



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101 SHELL BLDG.  
200 E. JOFFA RD. TOWSON, MD.

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HOWARD COUNTY, MARYLAND  
4-9-73  
W. D. Falbert  
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 507RWES

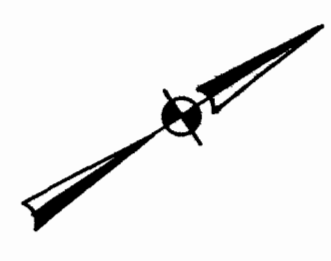
PLAN & PROFILE OF  
WATER & SEWER MAINS

ELECTION DISTRICT  
ELLCOTT CITY NO. 2

DUNLOGGIN II  
SECTION NO. 7  
AREA I

DRAWING NO. 5 OF 6	SCALE AS SHOWN
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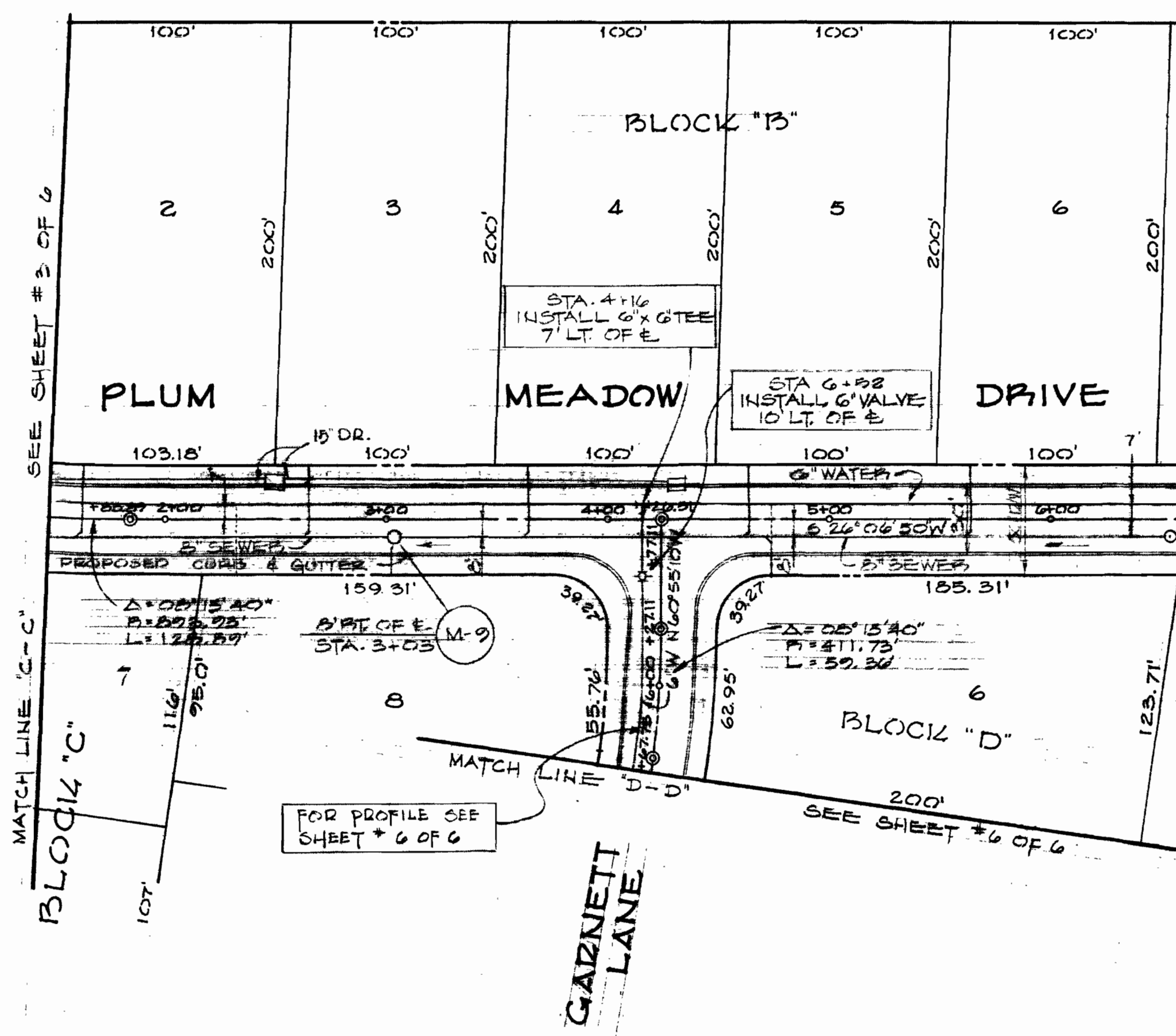
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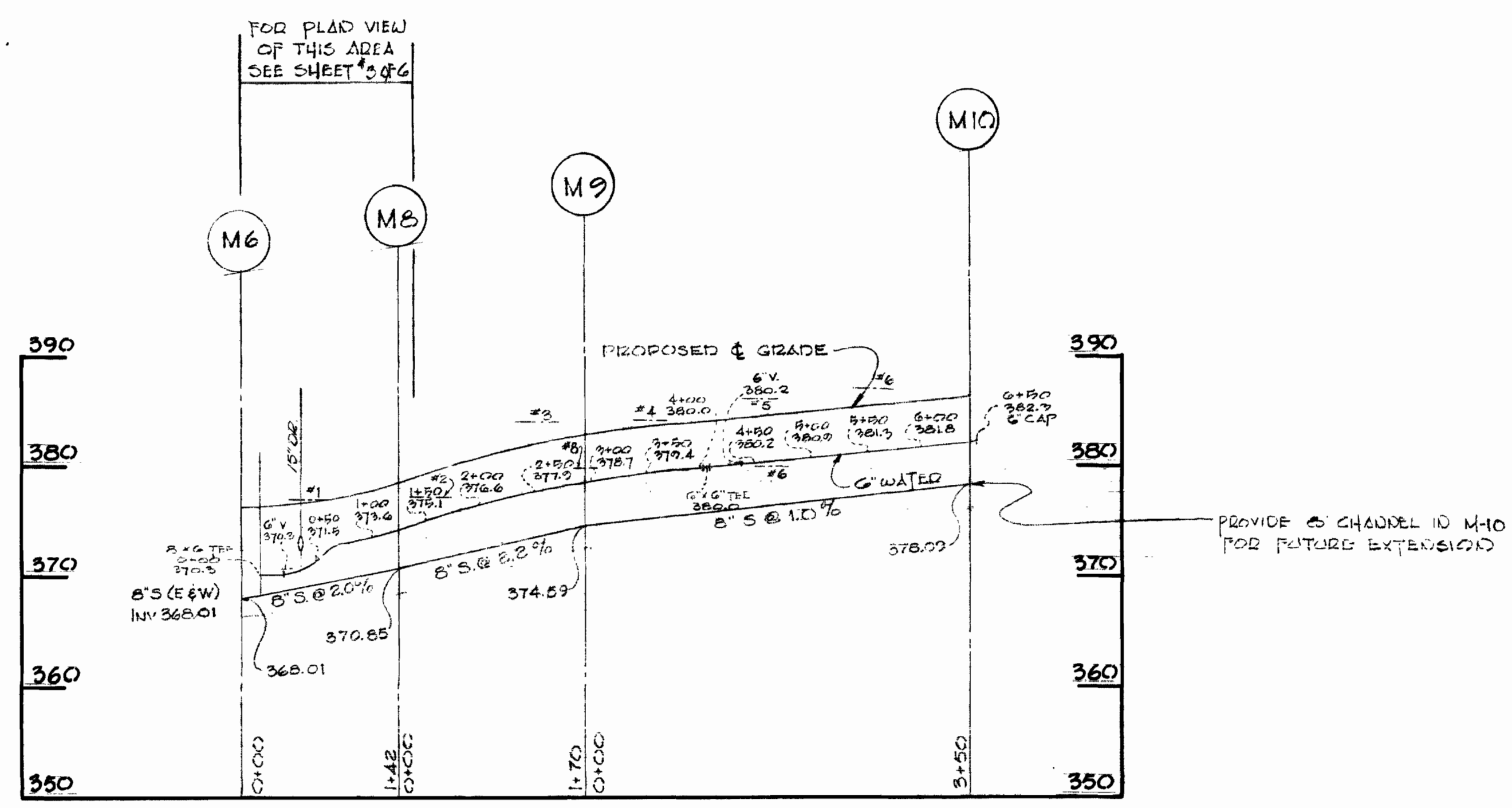
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N 321,000

E 245,000  
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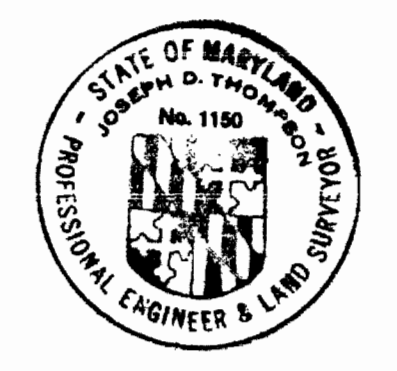
N 321,000  
E 245,000



**PLAN**  
SCALE: 1"=50'



**PROFILE**  
SCALE: HORIZ. 1"=100'  
VERT. 1"=10'



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W.D. Pulver  
CHIEF, BUREAU OF ENGINEERING

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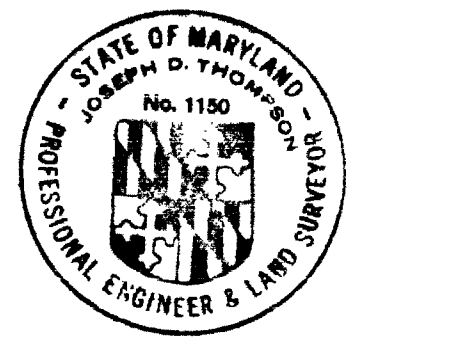
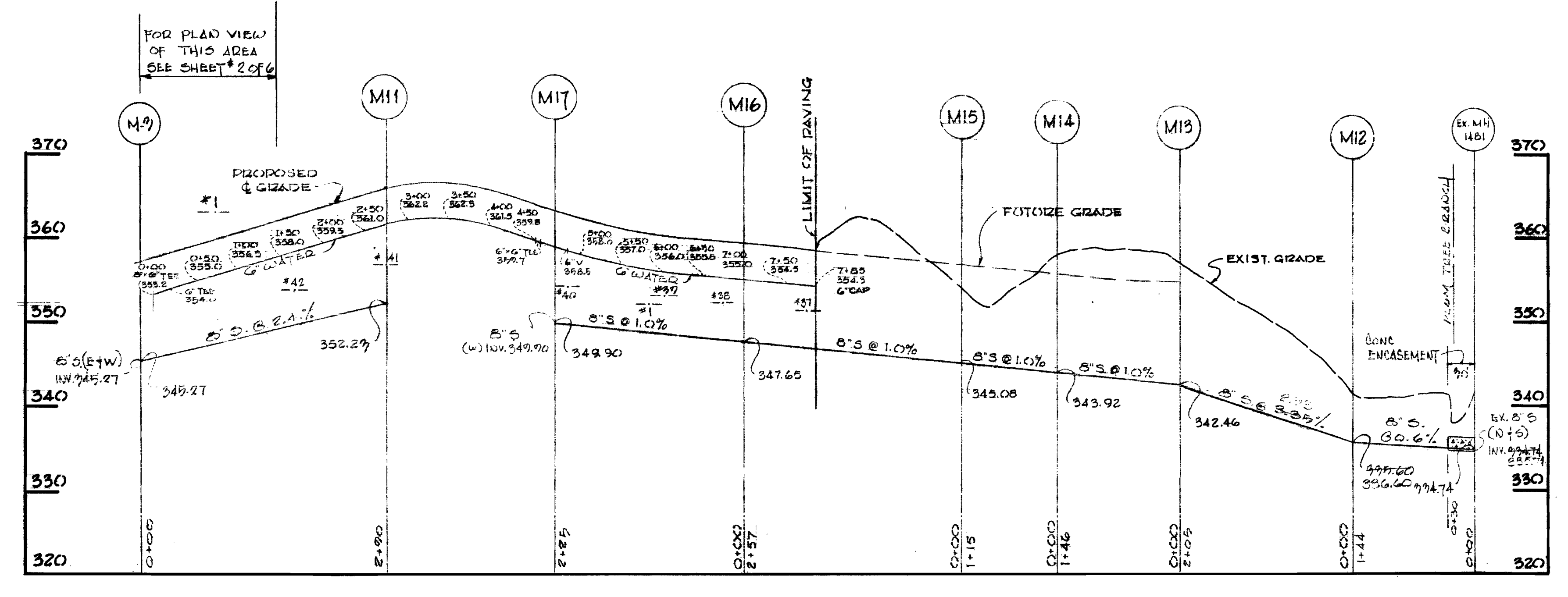
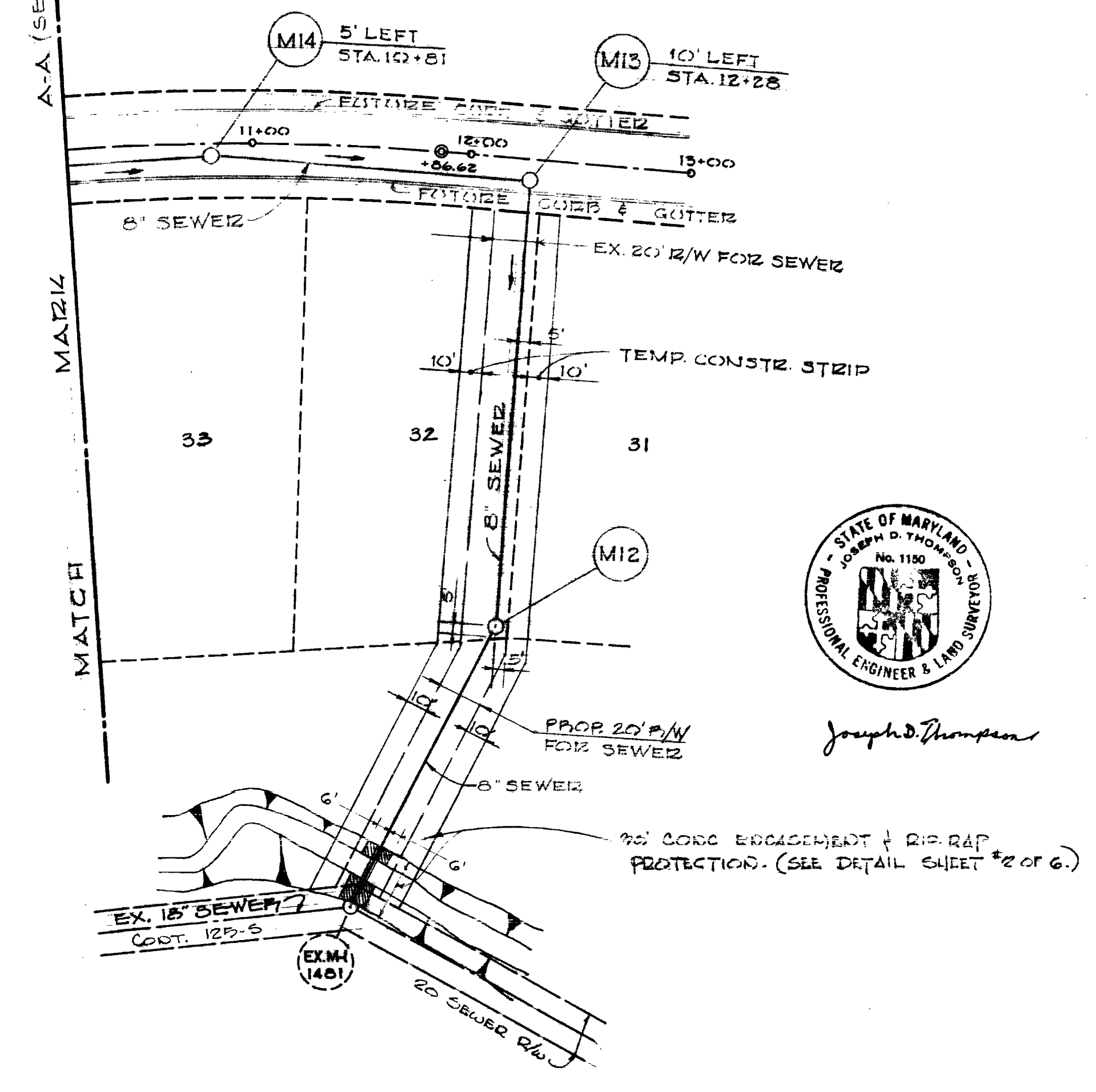
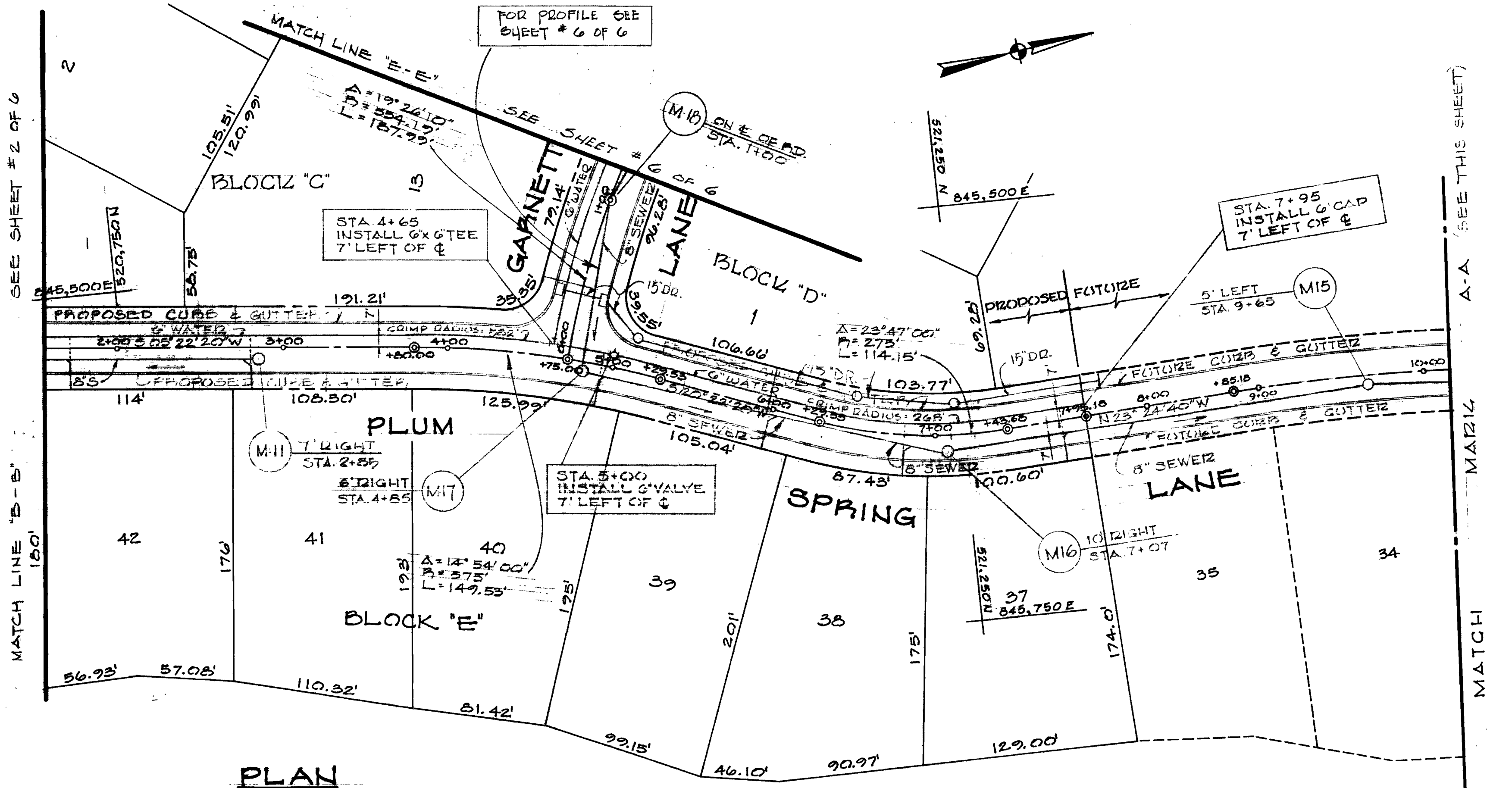
PLAN & PROFILE OF  
WATER & SEWER MAINS

ELECTION DISTRICT  
ELICOTT CITY NO. 2

DUNLOGGIN II  
SECTION NO. 7  
AREA I  
DRAWING NO. 4 OF 6  
SCALE AS SHOWN

MAY 1, 1973

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4-9-73  
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CHIEF ENGINEER

CONTRACT NO. 3507.D.W.&S.

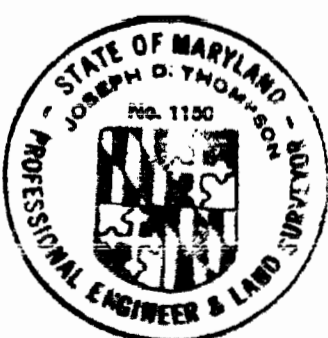
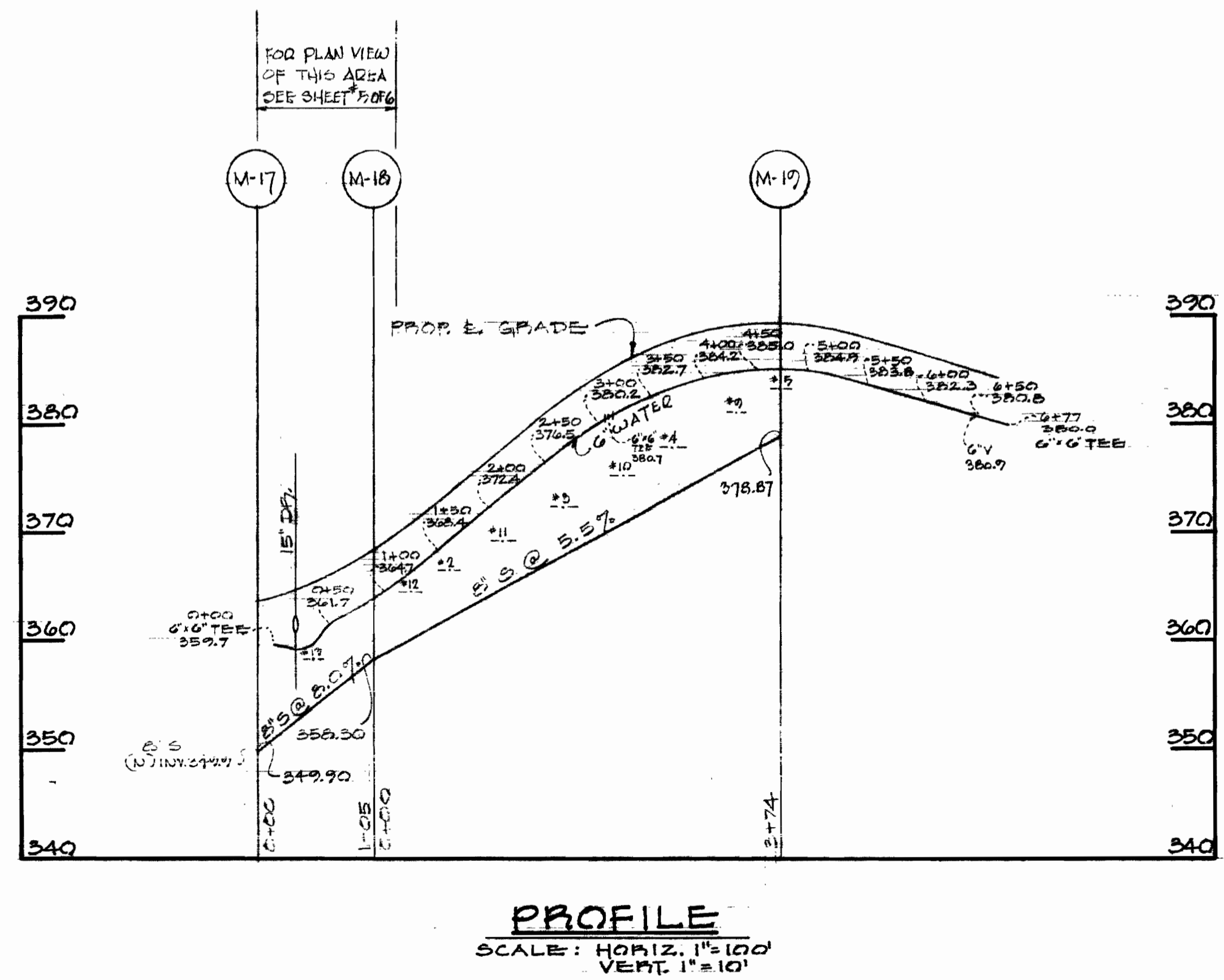
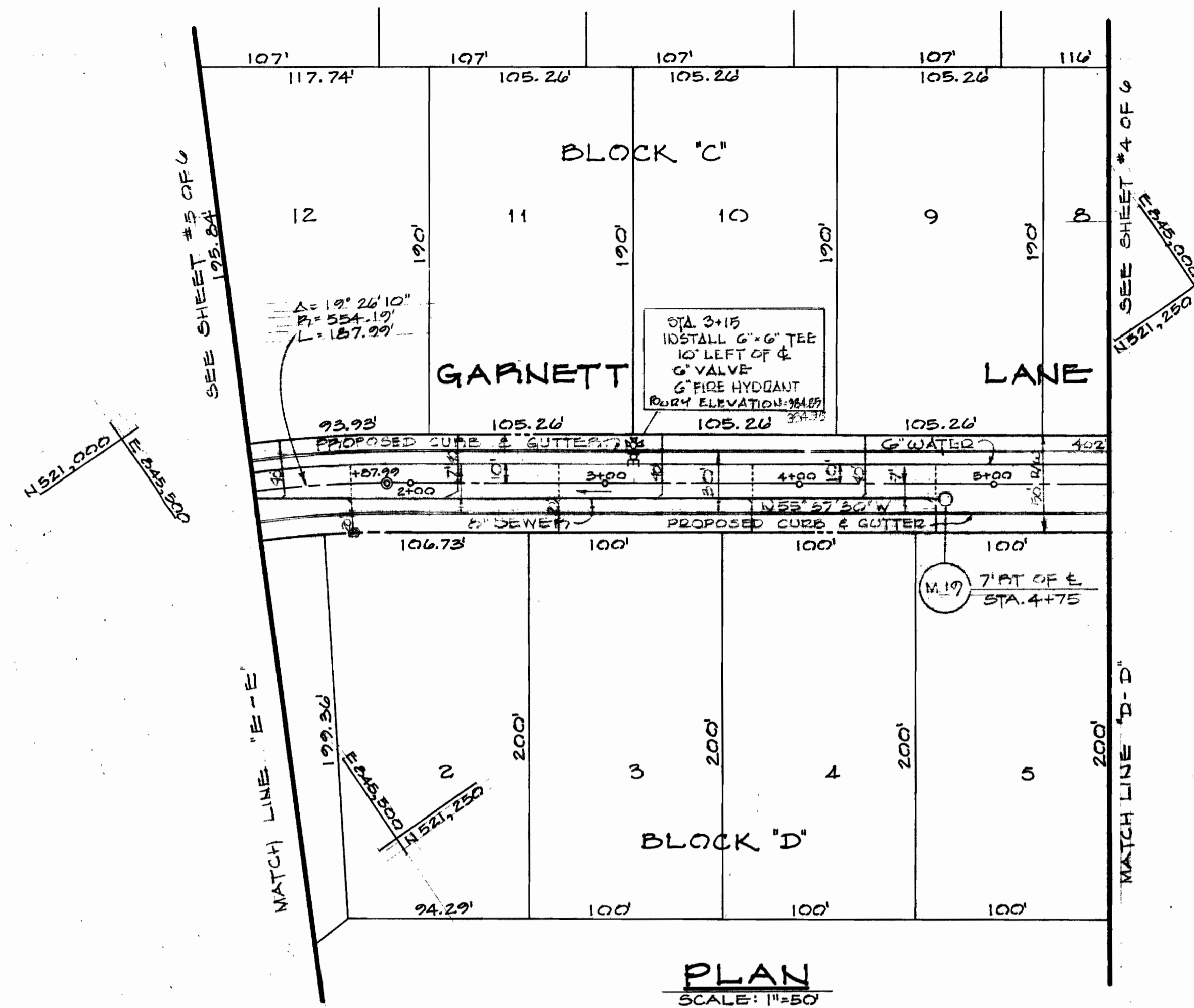
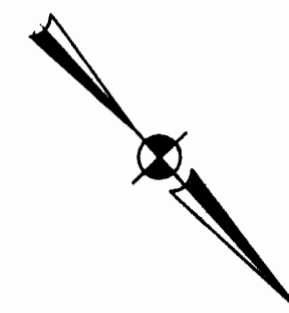
PLAN & PROFILE OF  
WATER & SEWER MAINS

ELECTION DISTRICT  
ELICOTT CITY NO. 2

DUNLOGG II  
SECTION NO. 7  
AREA 1  
DRAWING NO. 5  
OF 6  
SCALE AS SHOWN

MAY 1 1973

WS 507. W&S/S



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PLAN & PROFILE OF  
WATER & SEWER MAINS

ELECTION DISTRICT  
ELLCOTT CITY NO. 2

DUNLOGGIN II  
SECTION NO. 7  
DRAWING NO. 2  
OF 5

MAY 1, 1973

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