

GENERAL NOTES

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY.
2. ALL PIPE ELEVATIONS SHOWN ARE INVERT \circ 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. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
6. ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE DATUM.
7. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
8. ALL WATER MAINS TO HAVE A MIN. OF 3'-1/2' COVER UNLESS OTHERWISE NOTED.
9. BLOCK ALL FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
10. BUILD ALL MANHOLES TO EXISTING GRADE UNLESS OTHERWISE NOTED.
11. GROUND TO BE ROUGH GRADED BEFORE CONSTRUCTION OF MANHOLES IN CUT AND FILL AREAS.
12. ALL FIRE HYDRANTS SHALL BE STRAPPED TO TEES AND SHALL BE BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS.
13. CLEAR ALL UTILITIES BY A MINIMUM OF 6 INCHES.
14. ALL SEWER SHALL BE V.C.P.X., C.S.P.X. OR A.C.P. CLASS 2400, UNLESS OTHERWISE NOTED.
15. WHERE SEWER SERVICE CONNECTIONS ENTER MANHOLES, INVERTS SHALL BE CHANNELIZED TO ACCOMMODATE FLOW.

COLUMBIA

HOWARD COUNTY, MARYLAND

6TH ELECTION DISTRICT

CONTRACT NO. 2621-D-W & S

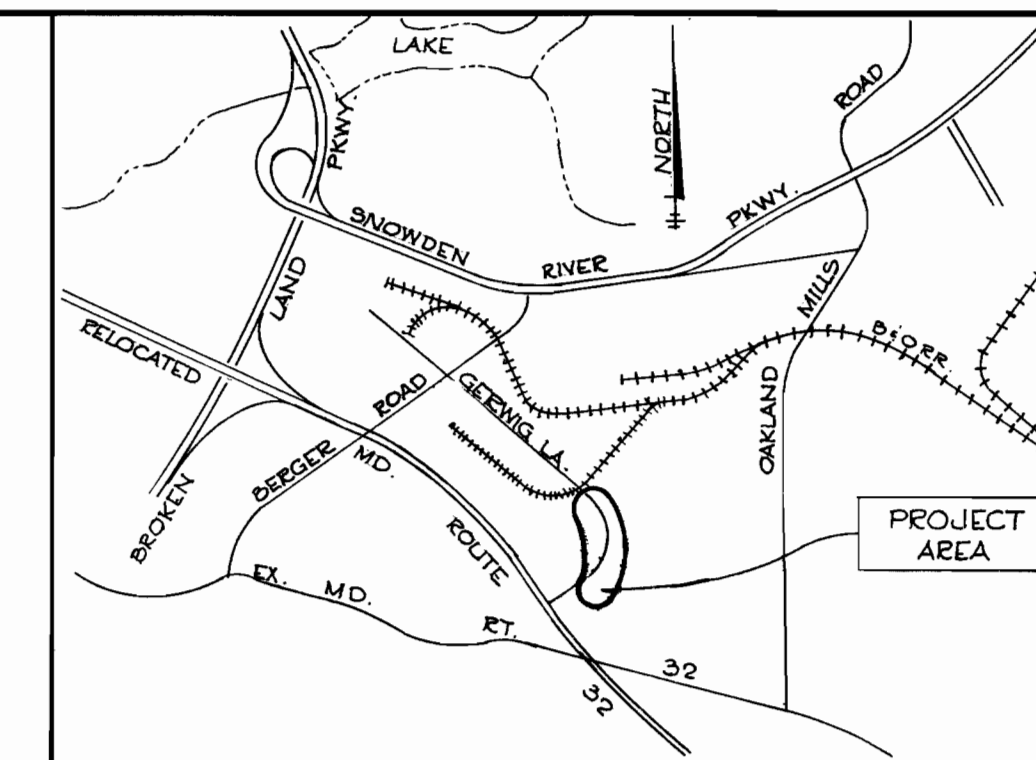
WATER AND SEWER

E. G. U.

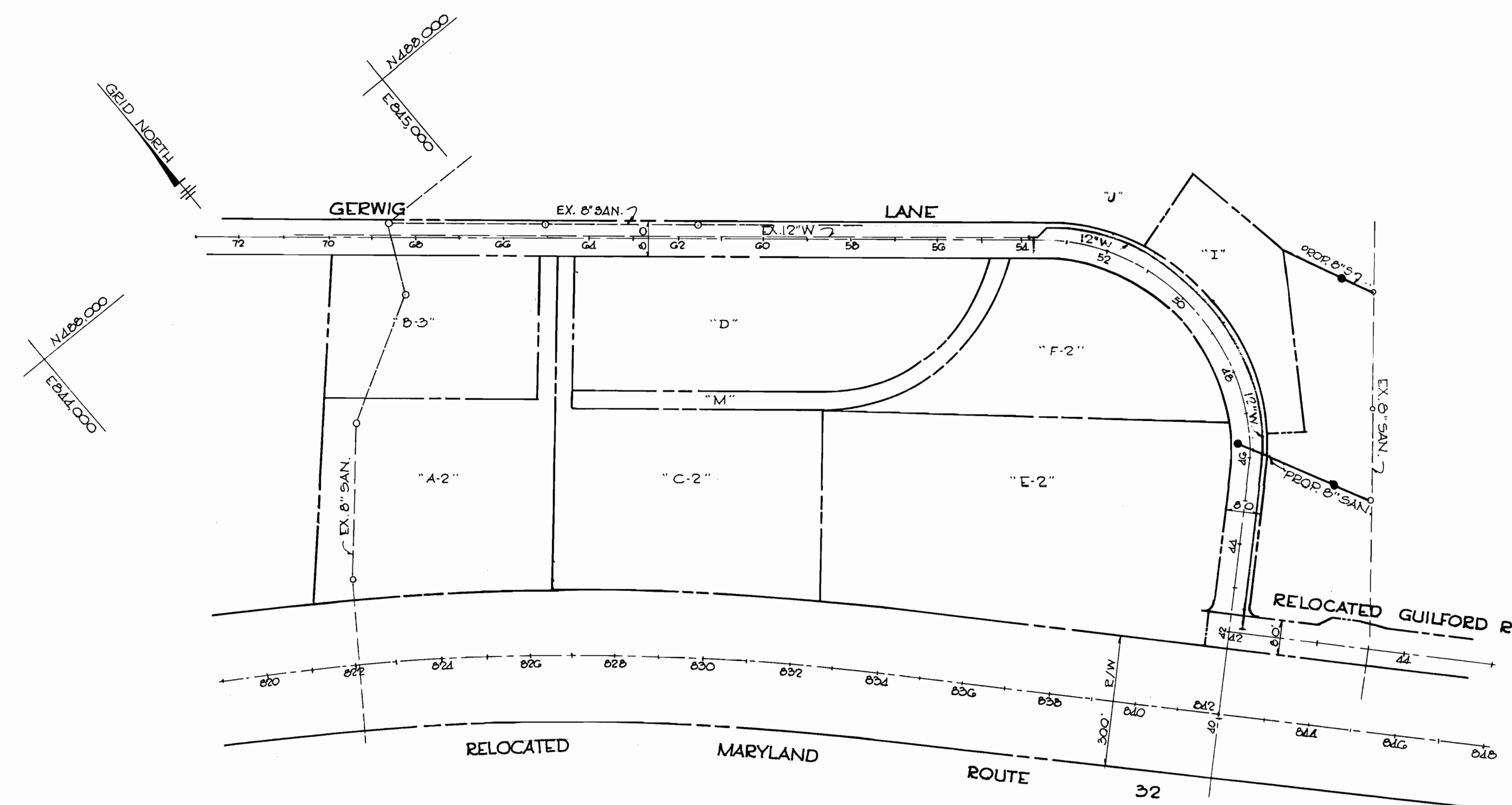
SECTION 2, AREA 3

OWNER & DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
COLUMBIA, MARYLAND

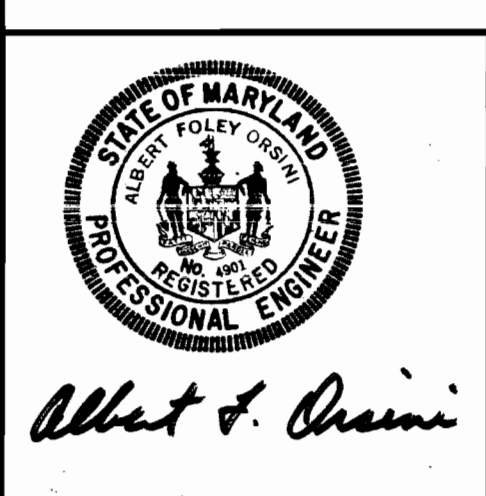


VICINITY MAP
SCALE: 1" = 2,000'



QUANTITIES	
ITEM	QUANTITY
12" WATER	1630 L.F.
6" WATER	810 L.F.
F.H.	2
12" WATER	969 22 1/2 L.F.
6" SAN	472 48 0 L.F.
SAN MH	33 0 0 V.F.
6" WATER SER.	61 45 L.F.
6" SEWER SER.	16 3 0 L.F.

All Sewer ACP-S Class 2400 Johns Manville
12" Water Main ACP-W Class 150 Johns Manville
Precast MH's A-Lok



GREEN ASSOCIATES, INC.
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

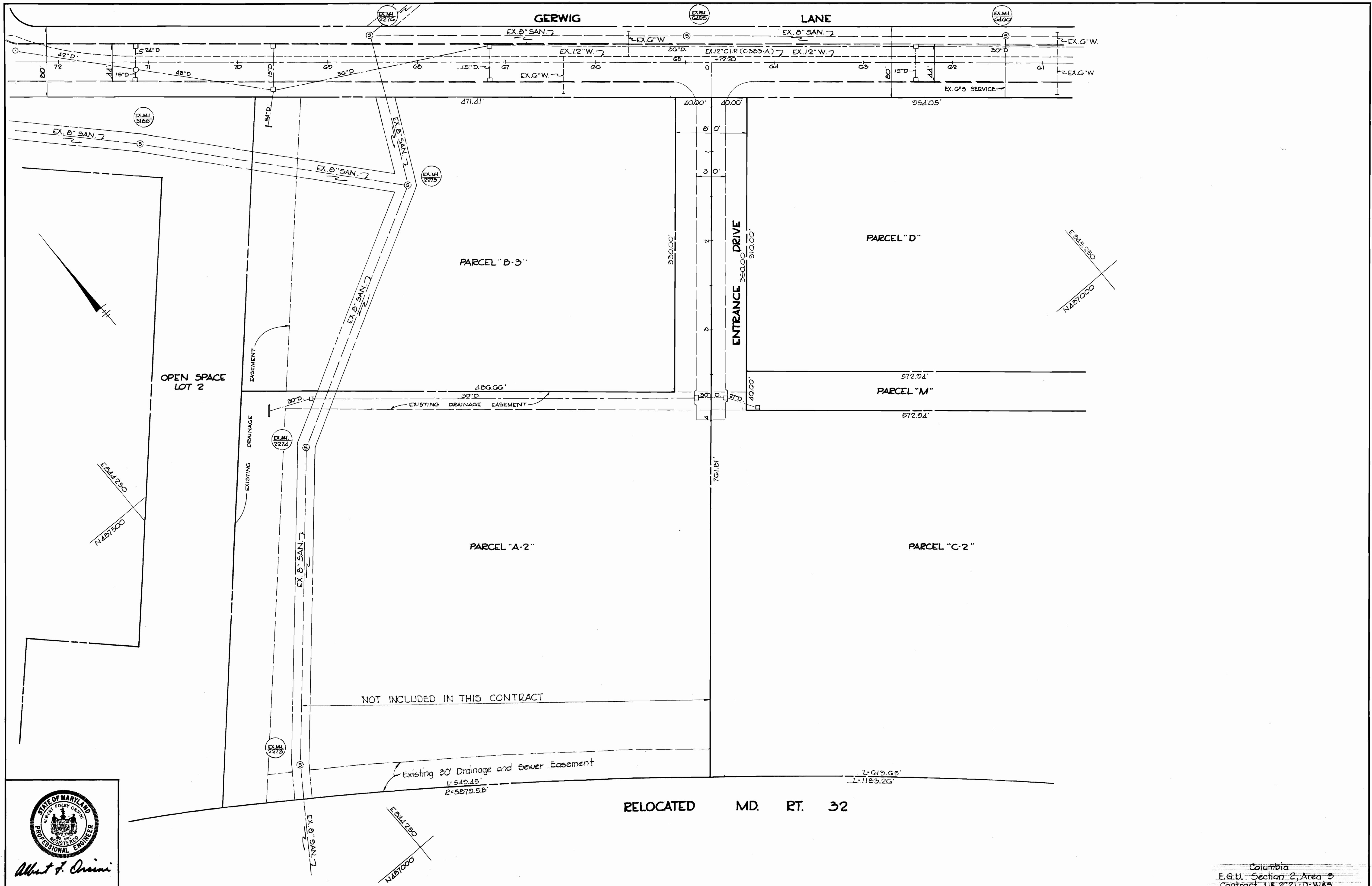
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 5-26-75
W.D. Talbot
CHIEF - BUREAU OF ENGINEERING

CONTRACT NO. 2621-D-W & S

TITLE SHEET

COLUMBIA
E. G. U. SEC. 2, AREA 3
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 1 OF 4
SCALE 1"=200'



OPEN SPACE LOT 2

PARCEL "B-3"

PARCEL "D"

PARCEL "M"

PARCEL "A-2"

PARCEL "C-2"

NOT INCLUDED IN THIS CONTRACT

RELOCATED MD. RT. 32



Albert F. Crimi

GREEN ASSOCIATES, INC.
 CONSULTING ENGINEERS
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 S-26-75
 DATE

CONTRACT NO. 621-D-W85

PLAN OF WATER AND SEWER MAINS

COLUMBIA
 E.G.U. SEC. 2, AREA 3
 ELECTION DISTRICT GUILFORD NO. 6

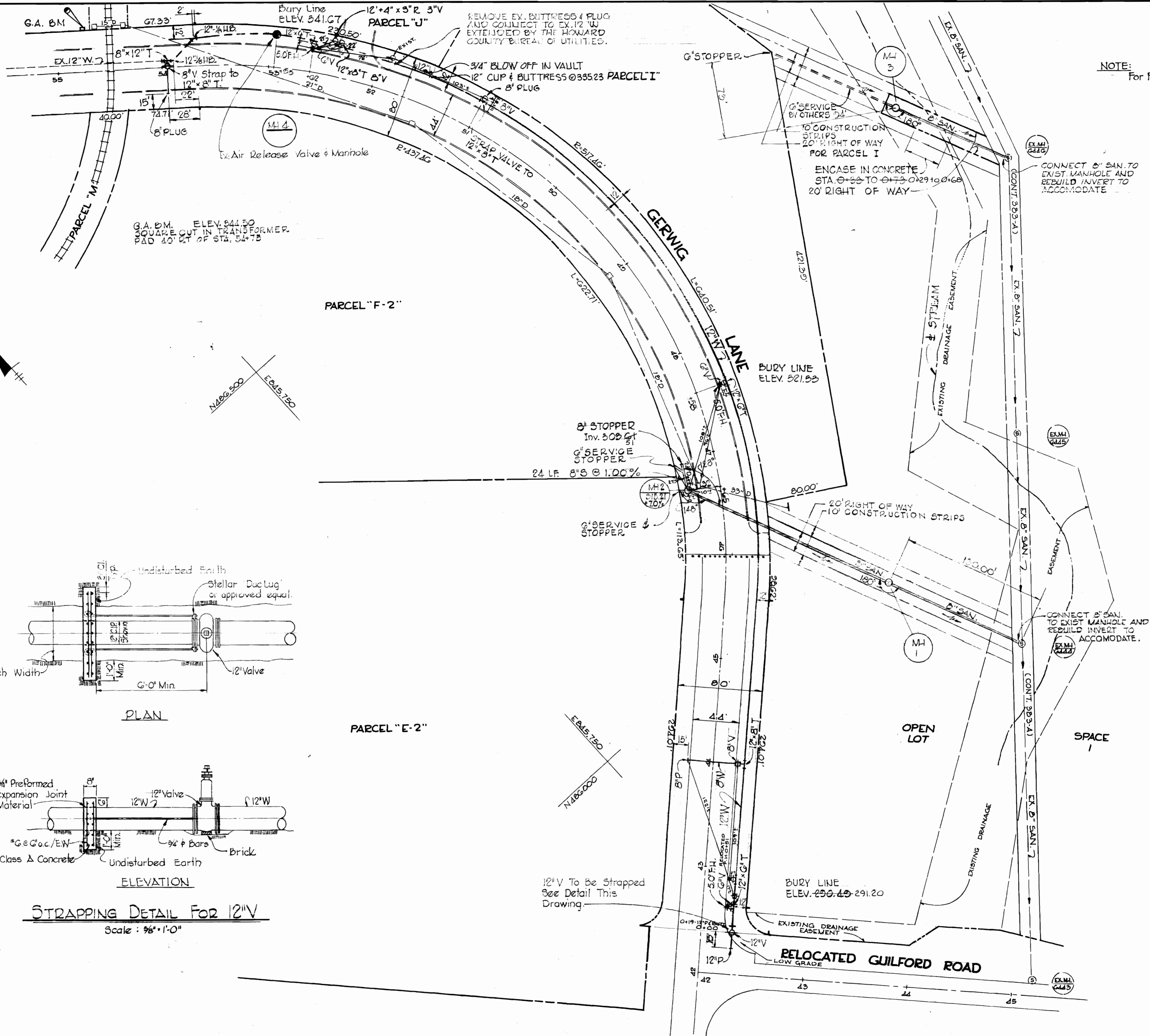
DRAWING NO. 2 OF 4

SCALE 1"=50'

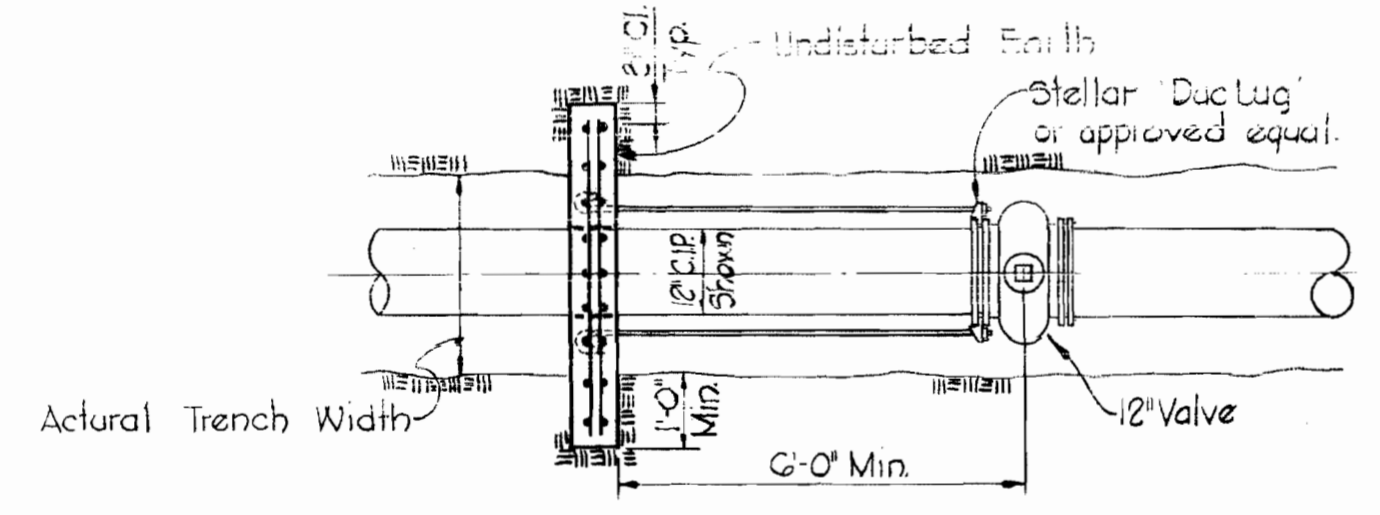
AS BUILT October 1976

MAY 22, 1975

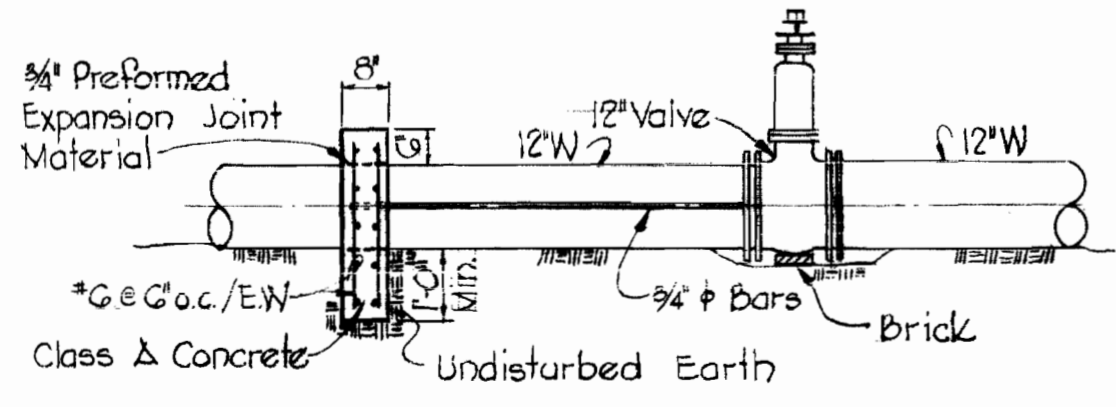
WS 621 W4S/2 121



NOTE:
For Profiles See Drawing No. 3



PLAN



ELEVATION

STRAPPING DETAIL FOR 12" V
Scale: 3/8" = 1'-0"



GREEN ASSOCIATES, INC.
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 5-26-75
W. O. Libert
CHIEF - BUREAU OF ENGINEERING

CONTRACT NO. 621-D-W&S

PLAN OF
WATER AND SEWER MAINS

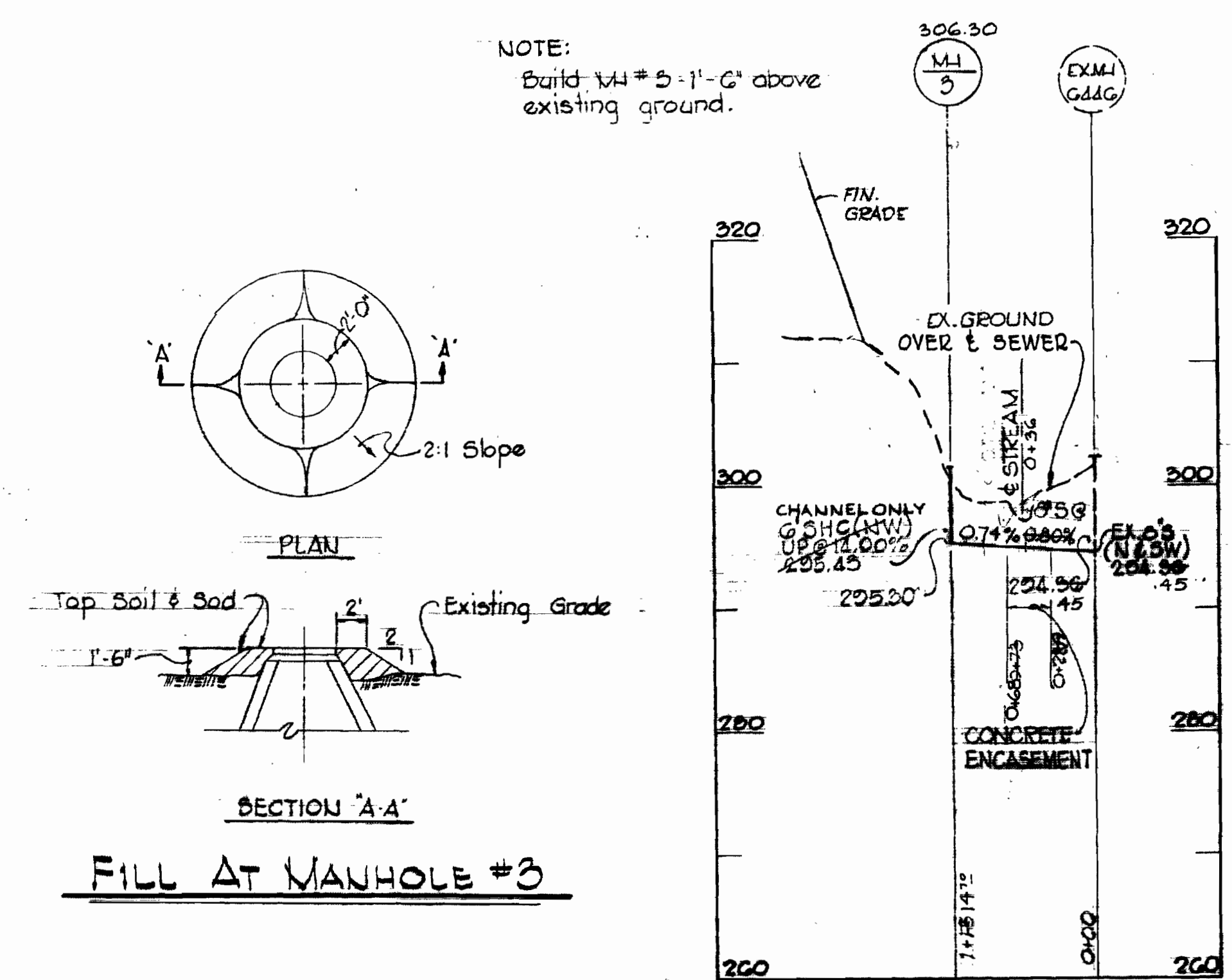
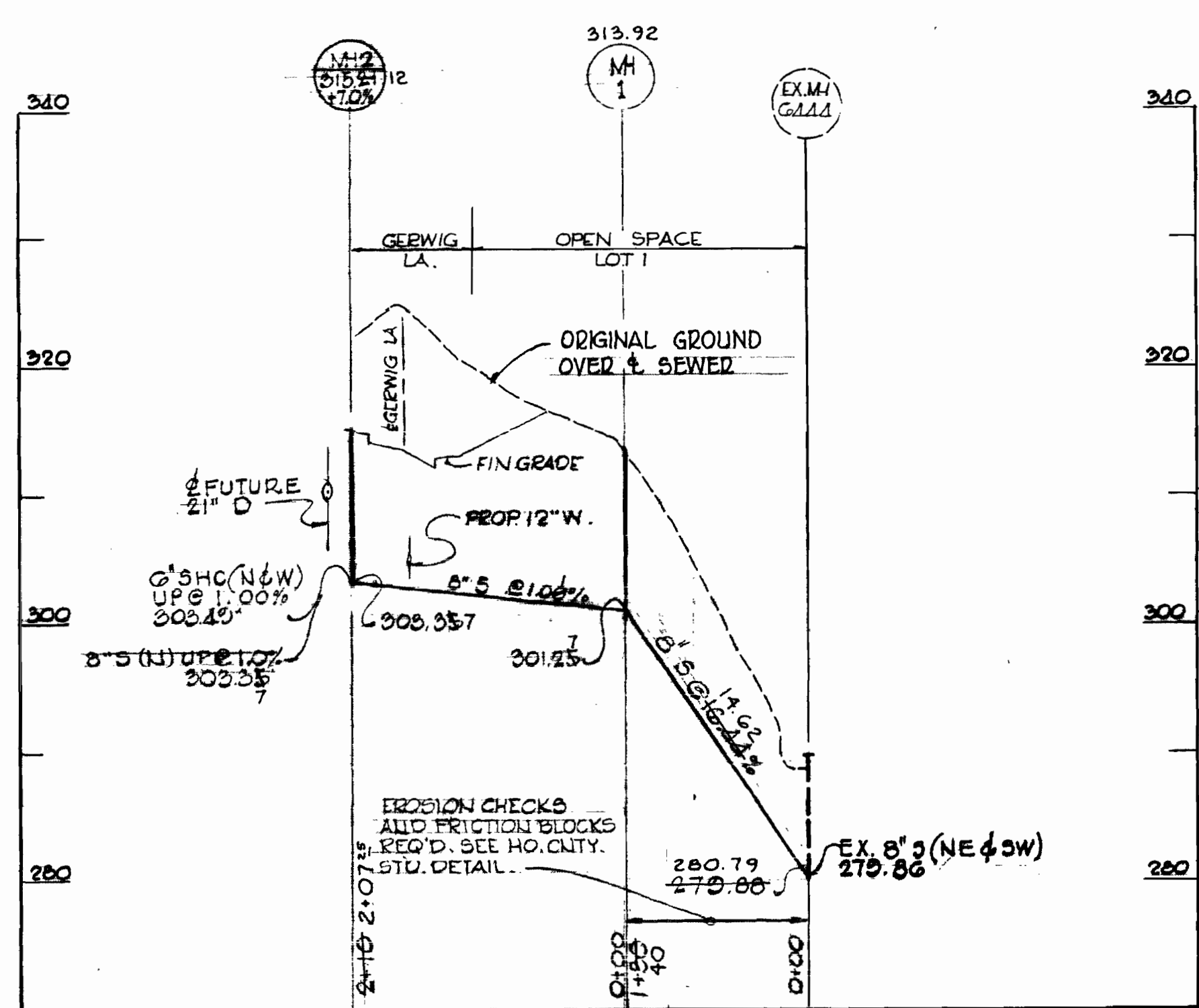
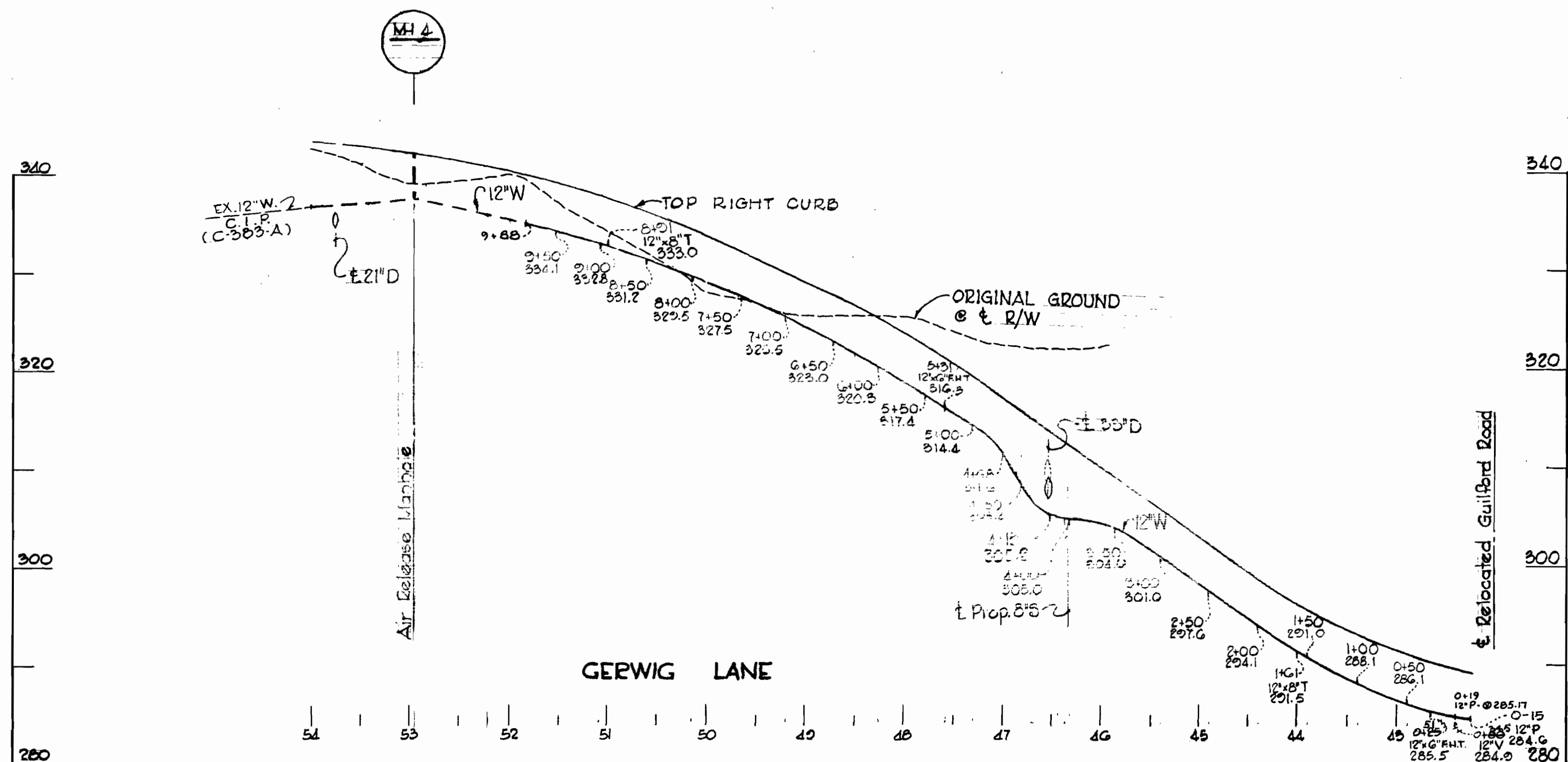
COLUMBIA
E. G. U. SEC. 2, AREA 3
ELECTION DISTRICT GUILFORD NO. 6

DRAWING
NO. 3
OF 4

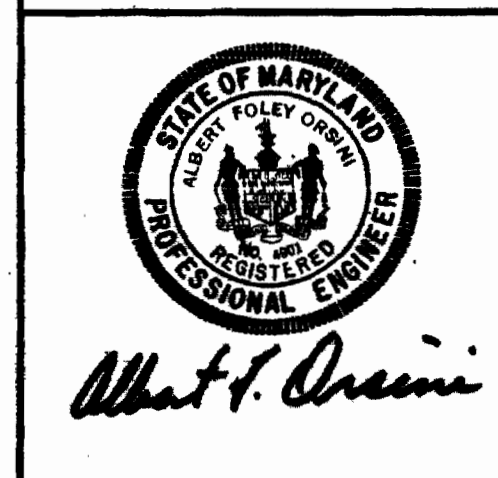
SCALE
1" = 50'

AS-BUILT October 1976 MAY 22, 1975

WS 621-W&S/3



NOTE:
Build MH # 3 1'-6\"/>



GREEN ASSOCIATES, INC. CONSULTING ENGINEERS BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>W. O. Libore</i> CHIEF - BUREAU OF ENGINEERING	CONTRACT NO. 621-D-W&S	PROFILES OF WATER AND SEWER MAINS	COLUMBIA E.G.U. SEC 2, AREA 3 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 4 OF 4 SCALE VER. 1"=40'
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AS BUILT October 1976 MAY 22, 1975

WS 621 W&S/H