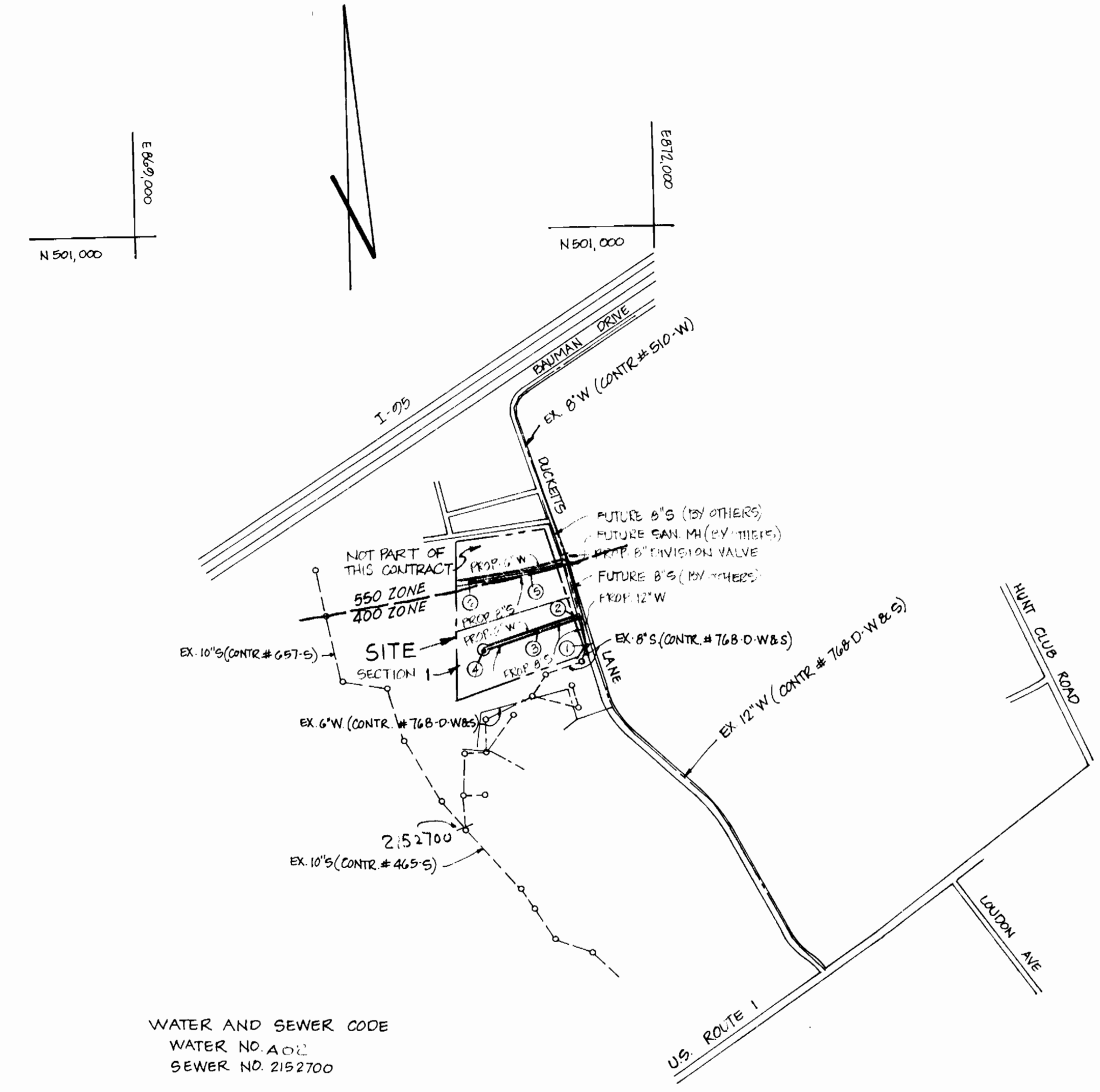


TYPE OF BUILDING	SINGLE FAMILY DETACHED DWLGs.
NUMBER OF LOTS	22
NUMBER OF GHC'S	22
NUMBER OF WHC'S	22
DRAINAGE AREA	PATAPSCO

**GENERAL NOTES**

- 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 TO THE SATISFACTION OF THE INSPECTOR, AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6" CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR EXCAVATION AND BACKFILL.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
- FOR MATERIAL AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
  - STATE HIGHWAY ADMINISTRATION - 931-5599
  - BALTO. GAS & ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0129
  - BALTO. GAS & ELECTRIC CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 685-0129
  - ENGINEERING - DAMAGE CONTROL - 284-5621
  - \*MIGG UTILITY - 1-559-0100
  - CHEBAPPAKE & PONDAC (C.B.P.) TELEPHONE CO. - 725-9976
  - AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION - 993-3559
  - COLONIAL PIPELINE CO. - 701-6641
  - BUREAU OF UTILITIES HOWARD COUNTY - 992-2866
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS, AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY INSPECTOR. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EXCAVATION AND BACKFILL.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TREES SHALL BE STRAPPED TO TREES.
- BLOCK ALL FITTINGS WITH CONCRETE.
- BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTION 10.22, 10.20 OF THE STANDARD SPECIFICATIONS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- ALL SEWER MAINS SHALL BE C.B.P., V.C.P., P.V.C., OR A.C.R. CLASS 2000 UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
- WATER MAIN AND WATER HOUSE CONNECTION LINES MUST HAVE A MINIMUM OF ONE FOOT SEPARATION FROM THE SANITARY SEWER AND SEWER HOUSE CONNECTIONS AS THEY CROSS EXCEPT AT CROSSINGS, WATER AND SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 10'.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILITE PLATED TYPE FITTINGS ONLY.



WATER AND SEWER CODE  
 WATER NO. A01  
 SEWER NO. 2192700

**VICINITY MAP**  
 SCALE: 1" = 600'

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE NO. 15 OF THE SPECIFICATIONS AND WITH F 84.10C

SEDIMENT & EROSION CONTROL

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

*[Signature]* 10-1-84  
 DATE

U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:

*[Signature]* 10-1-84  
 HOWARD S.C.D. DATE

**GLEN COVE ESTATES**  
**SECTION 1**  
**CONTRACT NO. 14 - 1274 - D**  
**HOWARD COUNTY, MARYLAND**

QUANTITIES			
ITEM	ESTIM'D	AS-BUILT	MATERIAL/SUPPLIER
6"W	610 LF	660 LF	D.I.P. Griffin Pipe
12"W	440 LF	403 LF	" " "
8"S	740 LF	742 LF	John-Mansville Corp
FH	2EA	2EA	Metro. F.A.
MH	4EA	4EA	Terre-Hill
6"V(EXCUREFHV)	1EA	1EA	Metro.
WHC 1"	270 LF	242 LF	K-Copper/Howell Metals
WHC 3/4"	85 LF	252 LF	" " "
S4C 6"	340 LF	441 LF	Johns-Mansville Corp.

**DEPARTMENT OF PUBLIC WORKS**  
 HOWARD COUNTY, MARYLAND

*[Signature]* 10/5/84  
 DIRECTOR OF PUBLIC WORKS DATE

*[Signature]* 10-3-84  
 CHIEF, BUREAU OF UTILITIES DATE

*[Signature]* 10-5-84  
 CHIEF, LAND DEVELOPMENT DIV. DATE

**BOENDER ASSOCIATES, INC.**  
 ENGINEERS - PLANNERS - SURVEYORS  
 COURTHOUSE SQUARE - SUITE A  
 ELLICOTT CITY, MD 21043  
 465-7777



DES. J.J.B.					
DRN. J.B.P.P.					
CHK.					
DATE: MAY 84	BY	NO.	REVISION	DATE	

**TITLE SHEET**

**GLEN COVE ESTATES - SECTION 1**  
**1ST ELECTION DISTRICT**  
**CONTRACT NO. 14-1274-D**

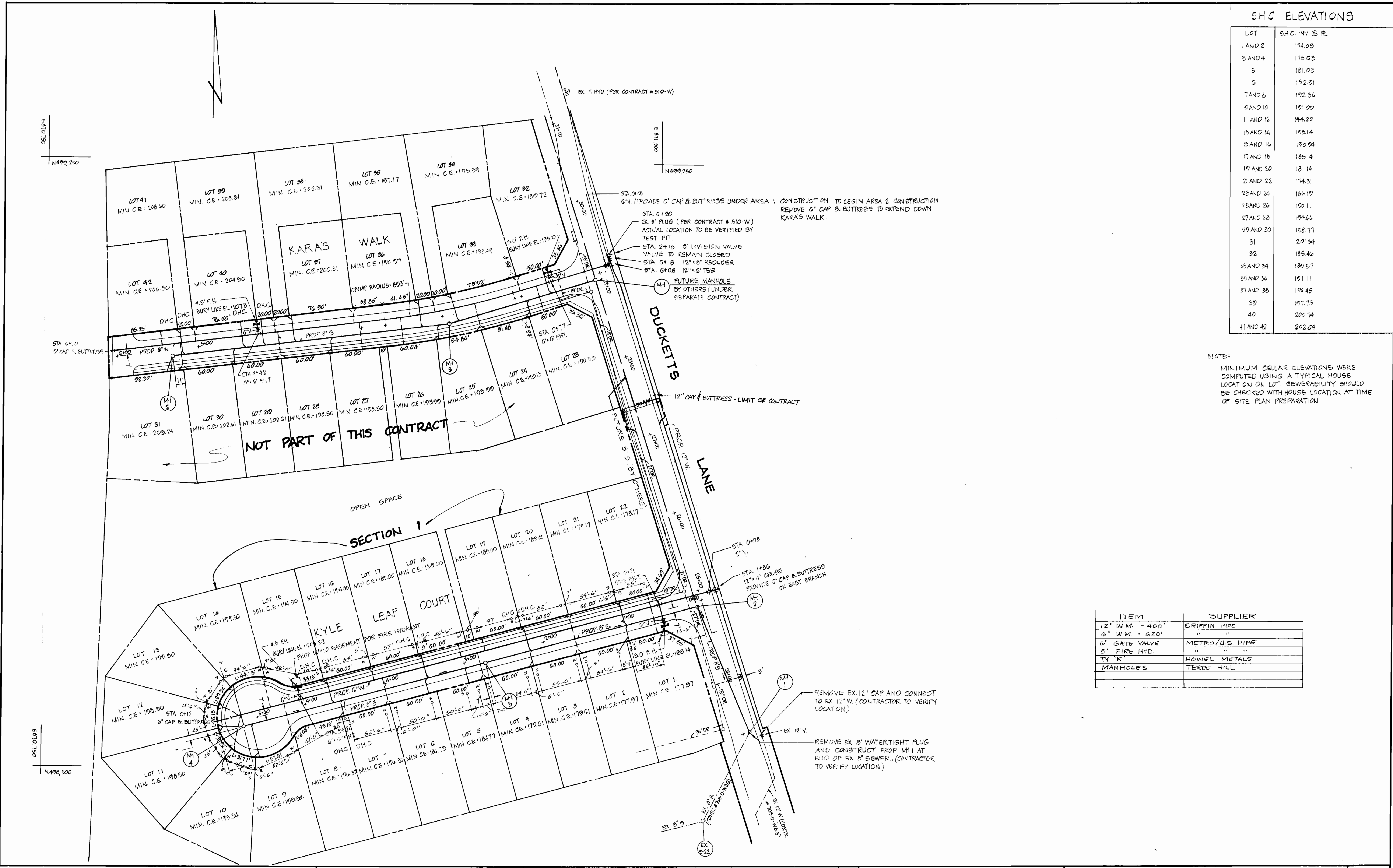
SCALE AS SHOWN  
 SHEET 1 OF 3

SHC ELEVATIONS

LOT	SHC INV @ EL.
1 AND 2	174.03
3 AND 4	175.03
5	181.03
6	152.91
7 AND 8	192.36
9 AND 10	191.00
11 AND 12	194.20
13 AND 14	193.14
15 AND 16	190.94
17 AND 18	185.14
19 AND 20	181.14
21 AND 22	174.31
23 AND 24	186.19
25 AND 26	190.11
27 AND 28	194.66
29 AND 30	198.77
31	201.34
32	185.46
33 AND 34	180.57
35 AND 36	191.11
37 AND 38	196.45
39	197.75
40	200.74
41 AND 42	202.04

NOTE:  
MINIMUM CELLAR ELEVATIONS WERE COMPUTED USING A TYPICAL HOUSE LOCATION ON LOT. SEWERABILITY SHOULD BE CHECKED WITH HOUSE LOCATION AT TIME OF SITE PLAN PREPARATION.

ITEM	SUPPLIER
12" W.M. - 400'	GRIFFIN PIPE
6" W.M. - 620'	"
6" GATE VALVE	METRO/U.S. PIPE
5" FIRE HYD.	"
TY. 'K'	HOWEL METALS
MANHOLES	TERRE HILL



**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND

*James M. Shaw*  
DIRECTOR OF PUBLIC WORKS

*William J. Davis*  
CHIEF, BUREAU OF ENGINEERING

*Richard B. ...*  
CHIEF, BUREAU OF UTILITIES

*William J. Davis*  
CHIEF, LAND DEVELOPMENT DIV.

DATE 10-5-84

**BOENDER ASSOCIATES, INC.**  
ENGINEERS PLANNERS SURVEYORS  
3565 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD. 21043  
465-7777



DES	JJB				
DRN	DP & JB				
CHK					
DATE	MAY '84	BY	NO	REVISIONS	DATE

PLAN

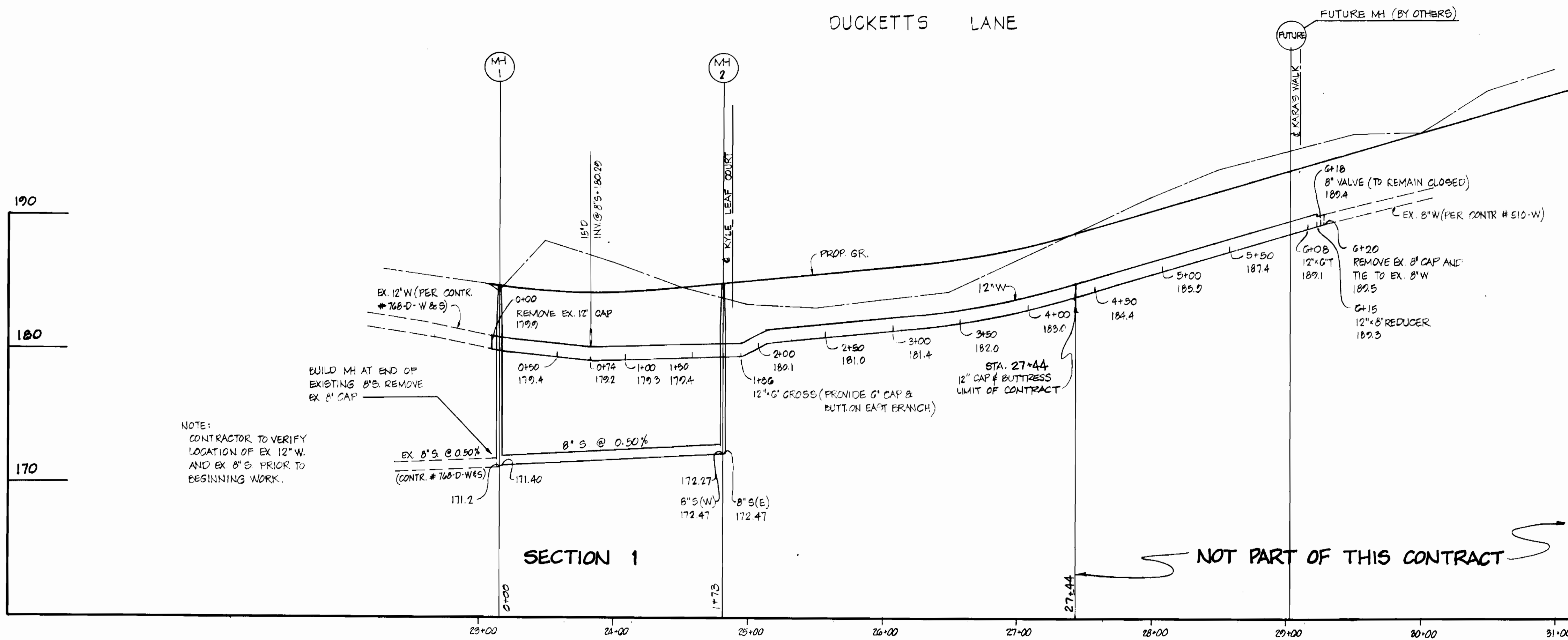
GLEN COVE ESTATES - SECTION 1  
1ST ELECTION DISTRICT  
CONTRACT NO. 14-1274-D

SCALE  
1"=50'

SHEET  
2 OF 3



DUCKETTS LANE



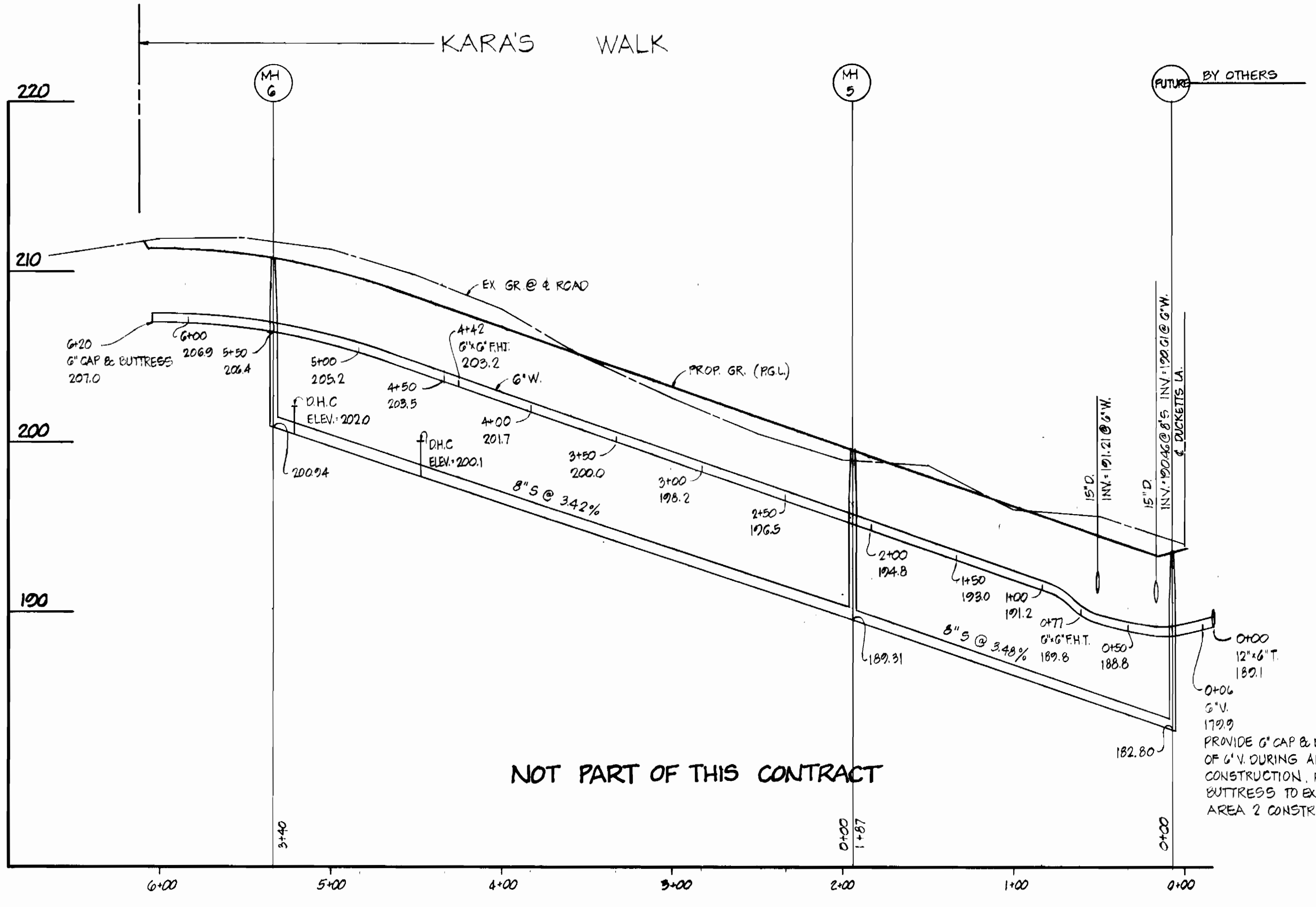
NOTE:  
CONTRACTOR TO VERIFY  
LOCATION OF EX 12\"/>

SECTION 1

NOT PART OF THIS CONTRACT

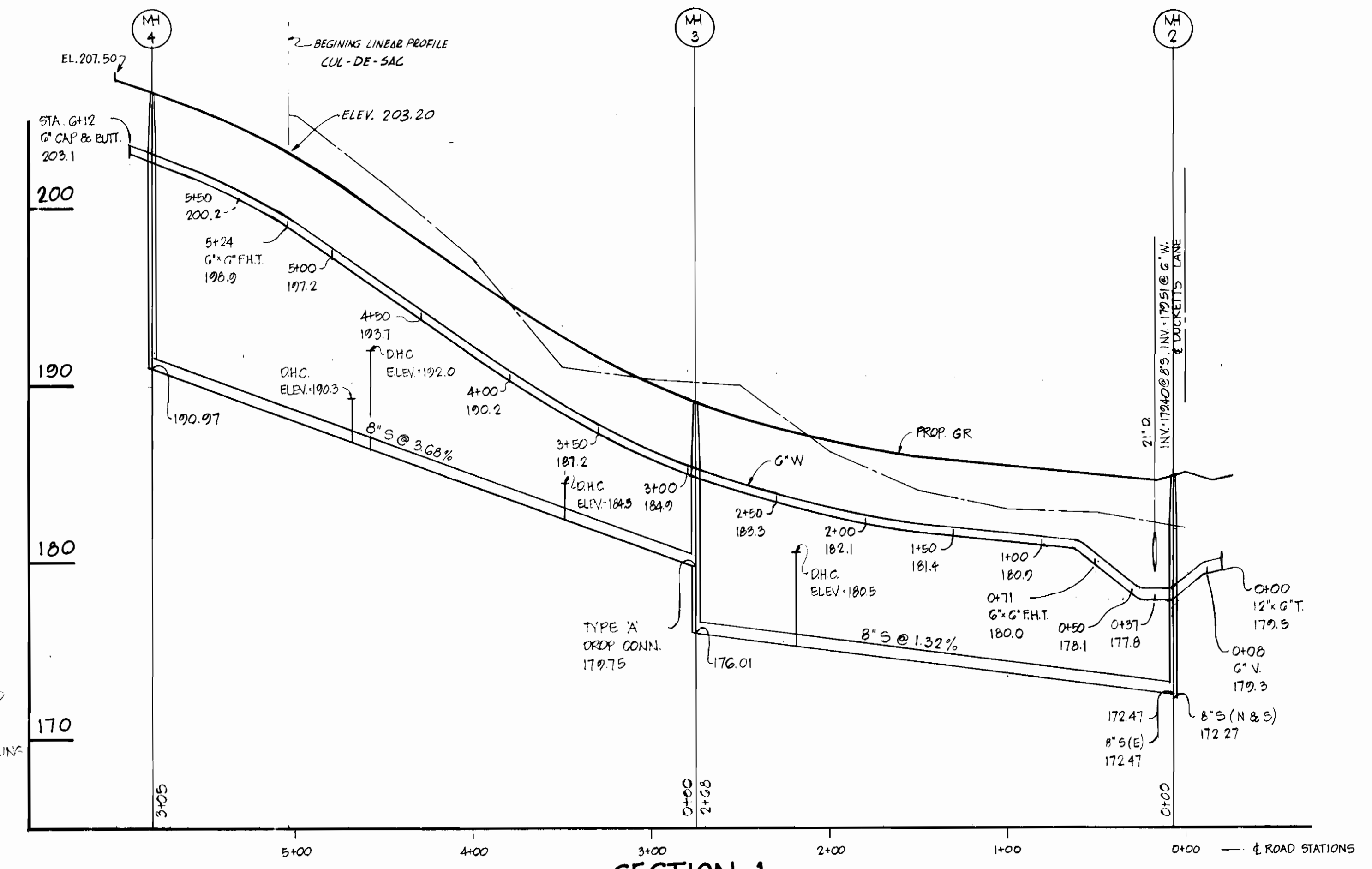
PROFILE  
VERT 1"=5'  
HORIZ 1"=50'

KARA'S WALK



NOT PART OF THIS CONTRACT

KYLE LEAF COURT



SECTION 1

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

BOENDER ASSOCIATES INC.  
ENGINEERS-PLANNERS-SURVEYORS  
3565 ELLICOTT MILLS DRIVE  
ELLCOTT CITY, MD. 21043  
465-7777



DES. JJB  
DRN.  
CHK. JAB  
DATE MAY 84

PROFILES

GLEN COVE ESTATES - SECTION 1  
1ST ELECTION DISTRICT  
CONTRACT NO 14-1274-D

SCALE  
AS SHOWN  
SHEET  
3 OF 3

AS BUILT, OCT, 1985

8531