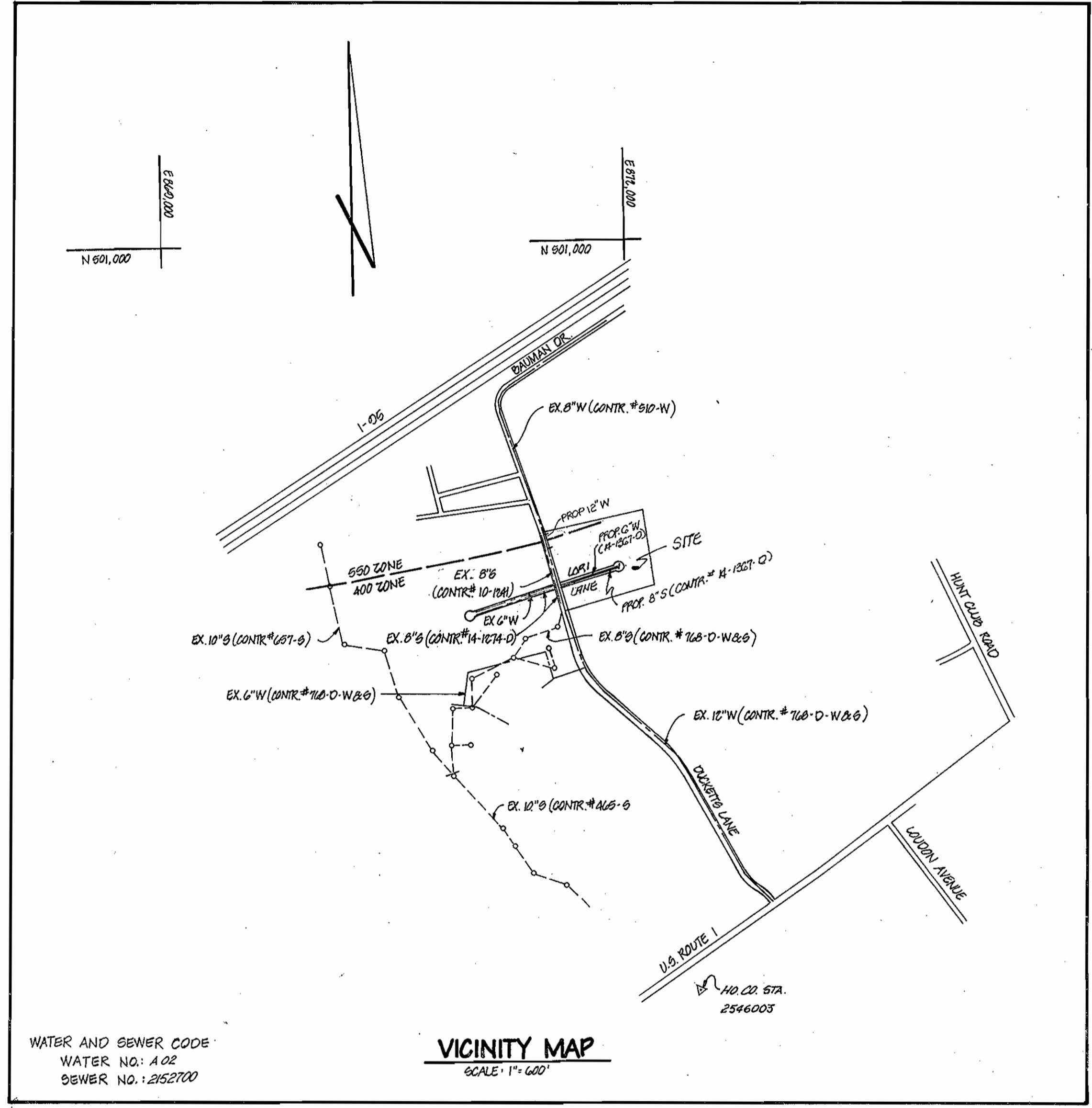


TYPE OF BUILDING	SINGLE FAMILY DETACHED DWGS.
NUMBER OF LOTS	23
NUMBER OF SHC'S	23
NUMBER OF WHC'S	23
DRAINAGE AREA	47474'SQ



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 ENGINEER, 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 MIN. OF 6" CLEAR ALL POLES BY 4'-0" MIN. OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT THIS SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE H.D. CO. STANDARD DETAILS.
- FOR MATERIALS AND CONSTRUCTION METHODS USE H.D. CO. STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MIN. OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES OR UTILITIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION - 931-8888
 - BALTO. GAS & ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 669-0128
 - BALTO. GAS & ELECTRIC CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 669-0128
 - ENGINEERING - "DAMAGE CONTROL" - 294-8101
 - "MIGS UTILITY" - 1-888-2100
 - CHESEAPEAKE & POTOMAC (C & P) TELEPHONE COMPANY - 789-0076
 - AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION - 909-9588
 - COLONIAL PIPELINE COMPANY - 795-1300
 - BUREAU OF UTILITIES HOWARD COUNTY - 922-2966
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAX. 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 THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE... D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MIN. OF 3'-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEE'S SHALL BE STRAPPED TO TEE'S.
- BACK 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 SECTIONS 10.05 AND 10.06 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.S.P., R.C.S.P., V.C.P., A.C.F. CLASS 400 OR P.V.C. 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.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 6.6.52, WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-0" ABOVE FINISHED GRADE, STANDARD DETAIL G. 5.41.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT COLLAR CAN NOT BE SERVED.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPE FITTINGS ONLY.

**GLEN COVE ESTATES
SECTION 2
CONTRACT NO. 14-1367 - D**

QUANTITIES				
ITEM	ESTIM'D	AS-BUILT	MATERIAL/SUPPLIER	
6" W	405 L.F.	405 L.F.	D.I.P.	GRIFFIN PIPE CO.
8" S	487 L.F.	455.5 L.F.	R.V.C.	HUNTER
F.H.	1 EA.	1 EA.	M & H VALVE	
6" V (EXCLUD. F.H.)	1 EA.	1 EA.	"	
1 1/2" COPPER ELBOWS	1 EA.	1 EA.	FORD-TRENTON	
3/4" W.H.C.	179 L.F.	221 L.F.	TYPE 'K' COPP. HALSTED MET.	
1" W.H.C.	212 L.F.	171 L.F.	"	
6" SHC	440 L.F.	431 L.F.	R.V.C.	HUNTER
12" W	104 L.F.	104 L.F.	D.I.P.	GRIFFIN PIPE CO.
MANHOLES	2 EA.	2 EA.	CONCRETE	ATLANTIC

AS-BUILT G. WALLACE 12-3-86

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE NO. 15 OF THE SPECIFICATIONS AND WITH F-85-169
SEDIMENT & EROSION CONTROL

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
James McFadden 9/18/85
US SOIL CONSERVATION SERVICE DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:
Stephen L. Fisher 9/18/85
HOWARD SCD DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works: *Robert Wood* 2-25-86
Chief, Bureau of Engineering: *William E. Riley* 2-25-86
Chief, Bureau of Utilities: *Robert Wood* 2/24/86
Chief, Land Development Div.: *William E. Riley* 2-24-86

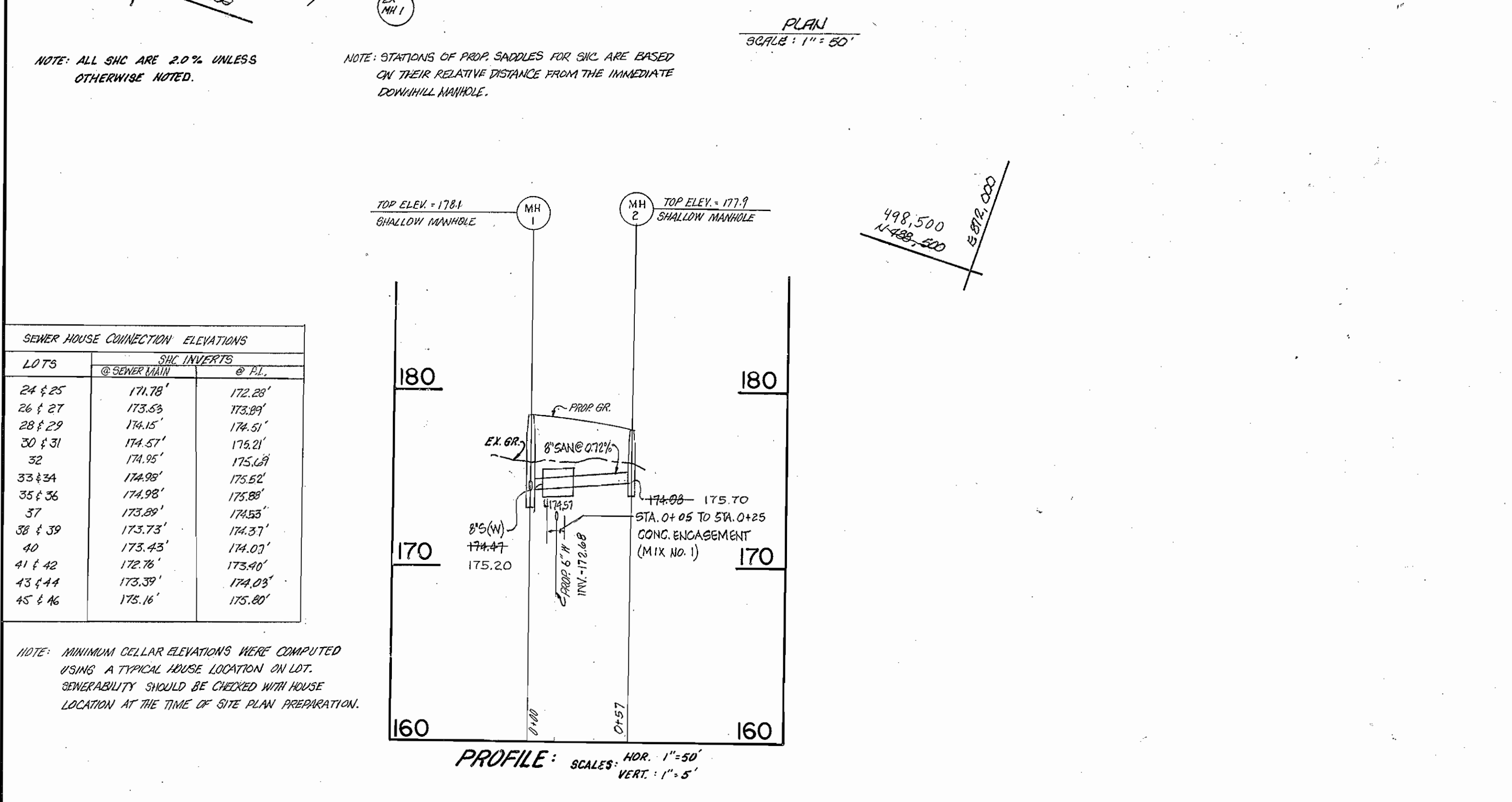
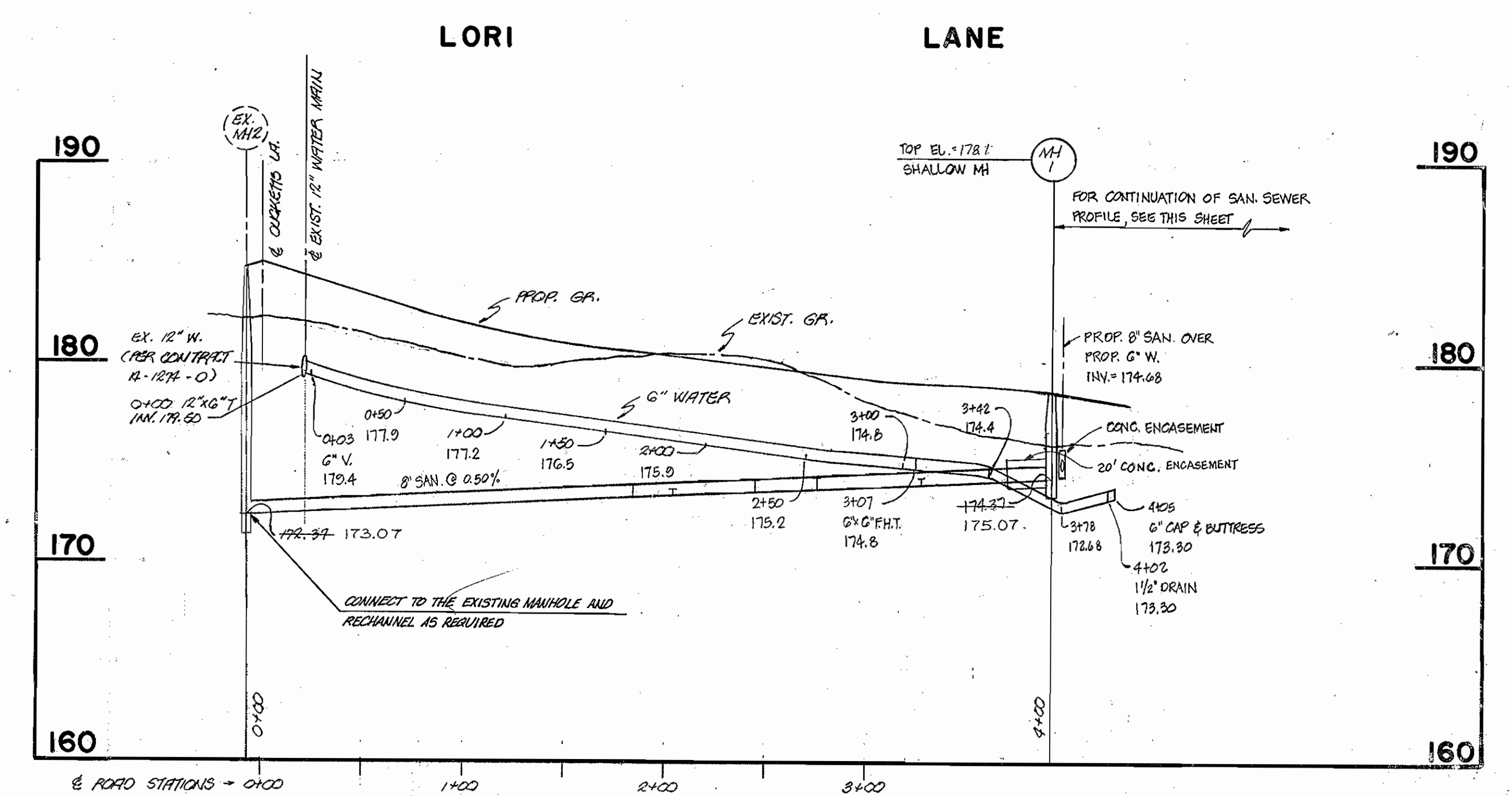
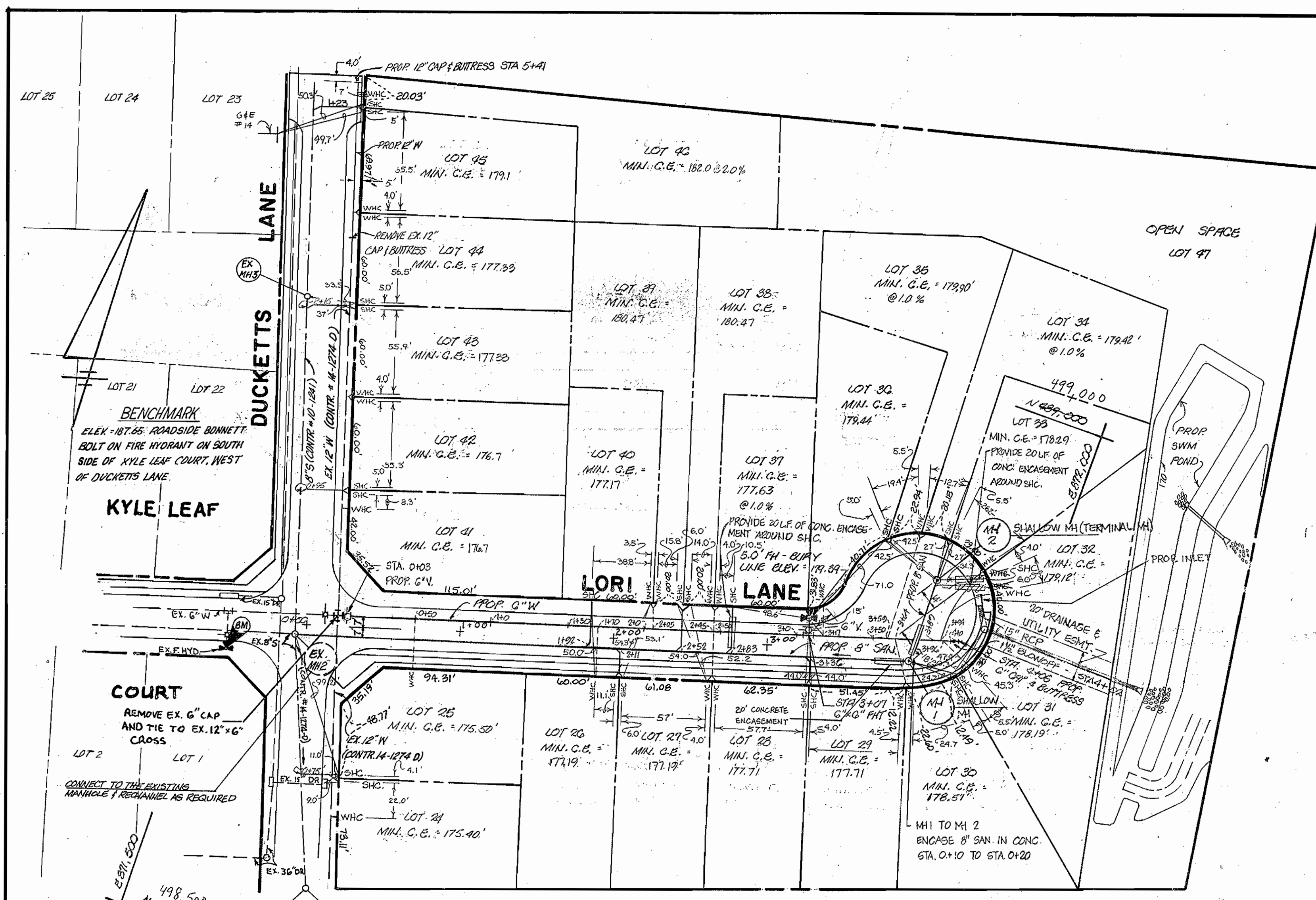
BOENDER ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MARYLAND 21043
465-7777



DES: A.O.	
DRAWN: DP	
CHK:	
DATE: NOV, 1984	
BY: NO.	REVISION
	DATE

TITLE SHEET

GLEN COVE ESTATES - SECTION 2
1st ELECTION DISTRICT
CONTRACT NO. 14-1367-D
LOTS 24 THRU 47
SCALE AS SHOWN SHEET 1 OF 2



LOTS	SHC INVERTS @ SEWER MAIN	@ LL
24 & 25	171.78'	172.28'
26 & 27	173.53'	173.99'
28 & 29	174.15'	174.51'
30 & 31	174.57'	175.21'
32	174.95'	175.69'
33 & 34	174.98'	175.62'
35 & 36	174.98'	175.88'
37	173.89'	175.95'
38 & 39	173.73'	174.37'
40	173.45'	174.03'
41 & 42	173.76'	173.40'
43 & 44	173.39'	174.05'
45 & 46	173.16'	175.80'

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

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND R. J. B. BROWN, GEN. DIR. OF PUBLIC WORKS DATE: 2-25-86		BOENDER ASSOCIATES, INC. ENGINEERS, PLANNERS, SURVEYORS 3565 ELLICOTT MILLS DR. ELLICOTT CITY, MARYLAND 21043 (301) 465-7777		DES: ROM/AGD M.A. SEWER LINE FROM MH1 TO MH4 - EXISTING 7/18/84	
J. W. BROWN, CHIEF, BUREAU OF ENGINEERING DATE: 2-25-86		R. J. B. BROWN, CHIEF, LAND DEVELOPMENT DIV. DATE: 2-24-86		DRN: J.N. M.A. CONCRETE ENCASUREMENTS - FROM 10 LF TO 20 LF 7/18/84	
R. J. B. BROWN, CHIEF, BUREAU OF UTILITIES DATE: 2-24-86		R. J. B. BROWN, CHIEF, BUREAU OF ENGINEERING DATE: 2-24-86		CHK: DATE: NOV, 1984	
				BY NO. REVISION DATE	

PLAN AND PROFILES

GLEN COVE ESTATES - SECTION 2
1st ELECTION DISTRICT
CONTRACT NO. 14-1367-D
LOTS 24 THRU 47

SCALE:
AS SHOWN
SHEET
2 OF 2