TYPE OF BUILDING	CHURCH	_
NUNBER OF LOTS/PARCELS	1	-
NUMBER OF WATER CONNECTIONS	1	-
NUMBER OF SEWER CONNECTIONS	1	-
DRAINAGE AREA MAP		-
TREATMENT PLANT	PATAPSCO WASTEW	VATER TREATMENT PLANT

	WA	TER	AND	SEWER	CODE
COUNTY USE :					
WATER NO. :		I-10			
SEWER NO. :		66530	000		
TEST GRADIEN	T :	780			

WATER STAKEOUT CHART						
BASELINE 'B' C/L OF WATER LINE		DESCRIPTION				
STATION	OFFSET	STATION	DESCRIPTION			
10+08.21	5.25' RT.	0+00.00	8"x6" TAPPING SLEEVE			
10+41.03	14.81'RT.	0+32.83	MEET PRIVATE WATER LINE			

SEWER STAKEOUT CHART				
BASELI	NE 'A'	C/L OF SEWER LINE	DESCRIPTION	
STATION OFFSET		STATION	DESCRIPTION	
0+07.42	33.92' RT.	0+00.00	NEW SANITARY MANHOLE NO. 1	
2+28.93	28.02' RT.	2+24.65	EXISTING SANITARY MANHOLE NO. 1	

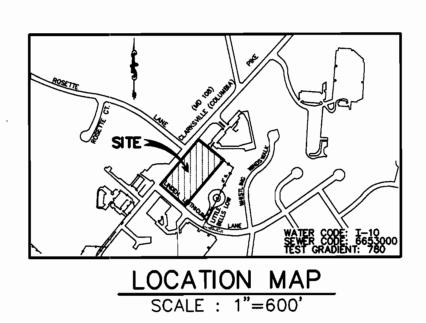
W	ATER AND	SEWER	QUANT	ITIES	
	QUANTITIES	•	* AS-BUILT		
ITEM	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER	
6" D.I.P.	48 L.F.				
8" x 6" TAPPING SLEEVE	2 EA.				
6" FH	1 EA.				
6" VALVE	2 EA.				
4' DIA. MH	1 EA.				
8" SAN.	222 L.F.				
NAME OF UTILITY CONTRA	CTOR :				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE :					

BENCH MARK INFORMATION

ELEVATIONS SHOWN HEREON ARE REFERRED TO THE N.G.V.D. 29 AS DETERMINED FROM THE FOLLOWING HOWARD COUNTY GEODETIC SURVEY

34BB ELEV. 485.254

35A2 ELEV. 488.642



## WATER AND SEWER CONSTRUCTION PLANS

12101 Linden Linthicum Lane Parcel 218 5<sup>th</sup> Election District, Howard Co., Maryland

CONTRACT NO. 34.3929-D

#### SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS & DRAWING FOR SEDIMENT & EROSION CONTROL AND WITH THE DEVELOPMENT PLAN, SDP-01-15 DWGS. OF 17, SEDIMENT AND EROSION CONTROL. REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL

CONTROL SURVEY MONUMENTS:

CONSERVATION SERVICE

THIS DEVELOPEMENT PLAN IS APPROVED FOR SOIL

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

(410) 512-4500

(410) 324-4100 (FAX)



### DRN: SAC REVISION 100' SCALE MAP NO. 35 BLOCK NO. 1

TITLE SHEET

### METHODIST CHURCH CLARKSVILLE, MARYLAND CONTRACT NO. 34.3929.D

GENERAL NOTES

PART I-GENERAL

- 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 TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. (NORTH AMERICAN DATUM OF 1983 (NAD '83).
- 3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAIL FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- 7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL 

  AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- 8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

(410) 865-3803 (410) 850-4620 BGE (CONTRACTOR SERVICES) (410) 291-4607 BGE (UNDERGROUND DAMAGE CONTROL) BUREAU OF UTILITIES (DPW) (410) 313-4900 (410) 597-8585 VERIZON TELEPHONE CO. COLONIAL PIPELINE CO. (410) 549-4120 (1-800) 257-7777 MISS UTILITY (410) 531-5533 STATE HIGHWAY ADMINISTRATION

- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION ON COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENT PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.

PART II - WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 4'-0" COVER UNLESS OTHERWISE NOTED.
- 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- 8. THE WATER METER SHALL BE INSIDE BUILDING. 1-1/2" DOMESTIC, 4" FIRE

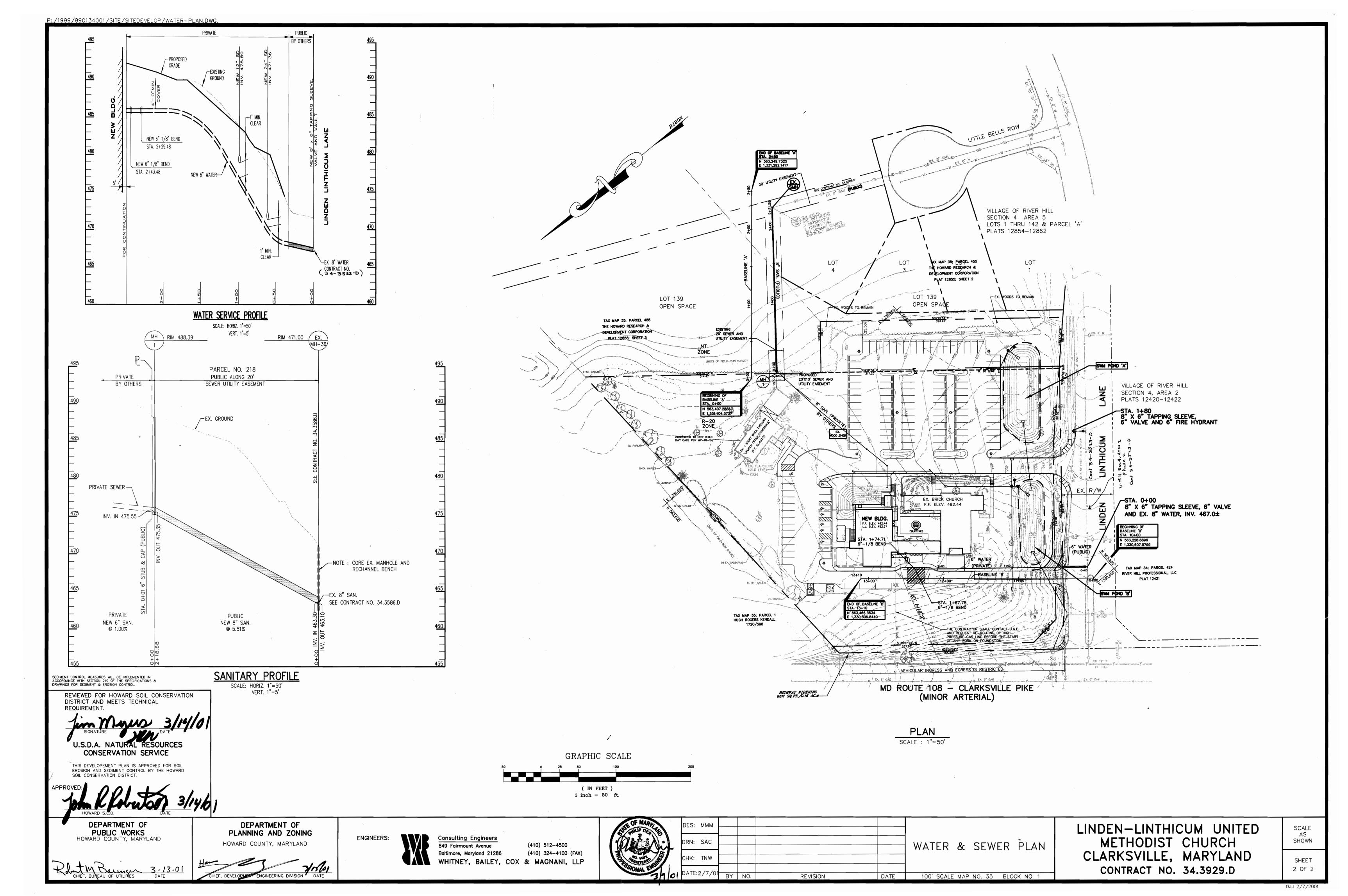
- 1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- 2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 3. FORCE MAINS SHALL BE D.I.P. ONLY.
- 4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- 5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1"-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

LINDEN-LINTHICUM UNITED

SHEET 1 OF 2

SCALE AS

SHOWN



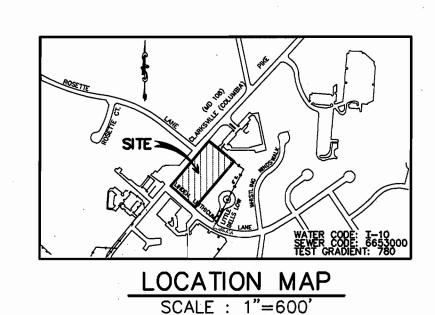
TYPE OF BUILDING	CHURCH
NUNBER OF LOTS/PARCELS	1
NUMBER OF WATER CONNECTIONS	1
NUMBER OF SEWER CONNECTIONS	<u>* 2 A </u>
DRAINAGE AREA MAP	<u> </u>
TREATMENT PLANT	PATAPSCO WASTEWATER TREATMENT PLANT

·	<u> </u>		· ' *	· :
W	ATER AND	SEWER	CODE	
COUNTY USE :	•			
WATER NO. :	I-10	,		
SEWER NO. :	6653000			
TEST GRADIENT :	780	· ·		,

WATER STAKEOUT CHART					
BASELINE 'B' C/L OF WATER LINE			DESCRIPTION		
STATION	OFFSET	STATION	DESCRIPTION		
10+08.21	5.25' RT.	0+00.00	8"x6" TAPPING SLEEVE		
10+41.03	14.81'RT.	0+32.83	MEET PRIVATE WATER LINE		

SEWER STAKEOUT CHART					
BASEL	INE 'A'	C/L OF SEWER LINE	DESCRIPTION		
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0+07.42	33.92'RT.	0+00.00	NEW SANITARY MANHOLE NO. 1		
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W	ATER AND	SEWER	QUANT	ITIES	
ITEM	QUANTITIES		AS-	-BUILT	
ITEM	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER	
6" D.I.P.	48 L.F.	36	CL 52 T.S.	GRIFFIN HUGHES	
8" x 6" TAPPING SLEEVE	2 EA.	2		FORD MOTOR HUGHES	
6" FH	1 EA.	1	5'	KENNEDY/HUGHES	
6" VALVE	2 EA.	2		KENNEDY/HUGHES	
4' DIA. MH	1 EA.	1	4 DAM	FREDERICK PRECAST	
8" SAN.	· 222 L.F.	221	SDP 35	DIAMOND/HUGHES	
NAME OF UTILITY CONTRACT	CTOR:			· · · · · · · · · · · · · · · · · · ·	
SURVEY AND DRAFTING DIVISION AS-BUILT DATE : 01/03					



# WATER AND SEWER CONSTRUCTION PLANS

12101 Linden Linthicum Lane Parcel 218 5<sup>th</sup> Election District, Howard Co., Maryland CONTRACT NO. 34.3929-D

ELEVATIONS SHOWN HEREON ARE REFERRED TO THE N.G.V.D. 29 AS DETERMINED FROM THE FOLLOWING HOWARD COUNTY GEODETIC SURVEY CONTROL SURVEY MONUMENTS:

**BENCH MARK INFORMATION** 

34BB ELEV. 485.254 35A2 ELEV. 488.642

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS & DRAWING FOR SEDIMENT & EROSION CONTROL AND WITH THE DEVELOP. SENT PLAN, SDP-01-15 DWGS. OF 17, SEDIMENT AND EROSION CONTROL. RE IEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL CONSERVATION SERVICE THIS DEVELOPEMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD

> DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

**ENGINEERS:** 



(410) 512-4500

(410) 324-4100 (FAX)

WBCM / ADDED 2ND SEWER CONNECTION ORN: SAC CHK: TNW ASBUILT DATA ADDED TO PLAN 01/10/03

TITLE SHEET

100' SCALE MAP NO. 35 BLOCK NO. 1

LINDEN-LINTHICUM UNITED METHODIST CHURCH CLARKSVILLE, MARYLAND **CONTRACT NO. 34.3929.D** 

GENERAL NOTES

PART I-GENERAL

- 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 TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
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- 8. THE WATER METER SHALL BE INSIDE BUILDING. 1-1/2" DOMESTIC, 4" FIRE

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SHEET 1 OF 2

SCALE AS

SHOWN

