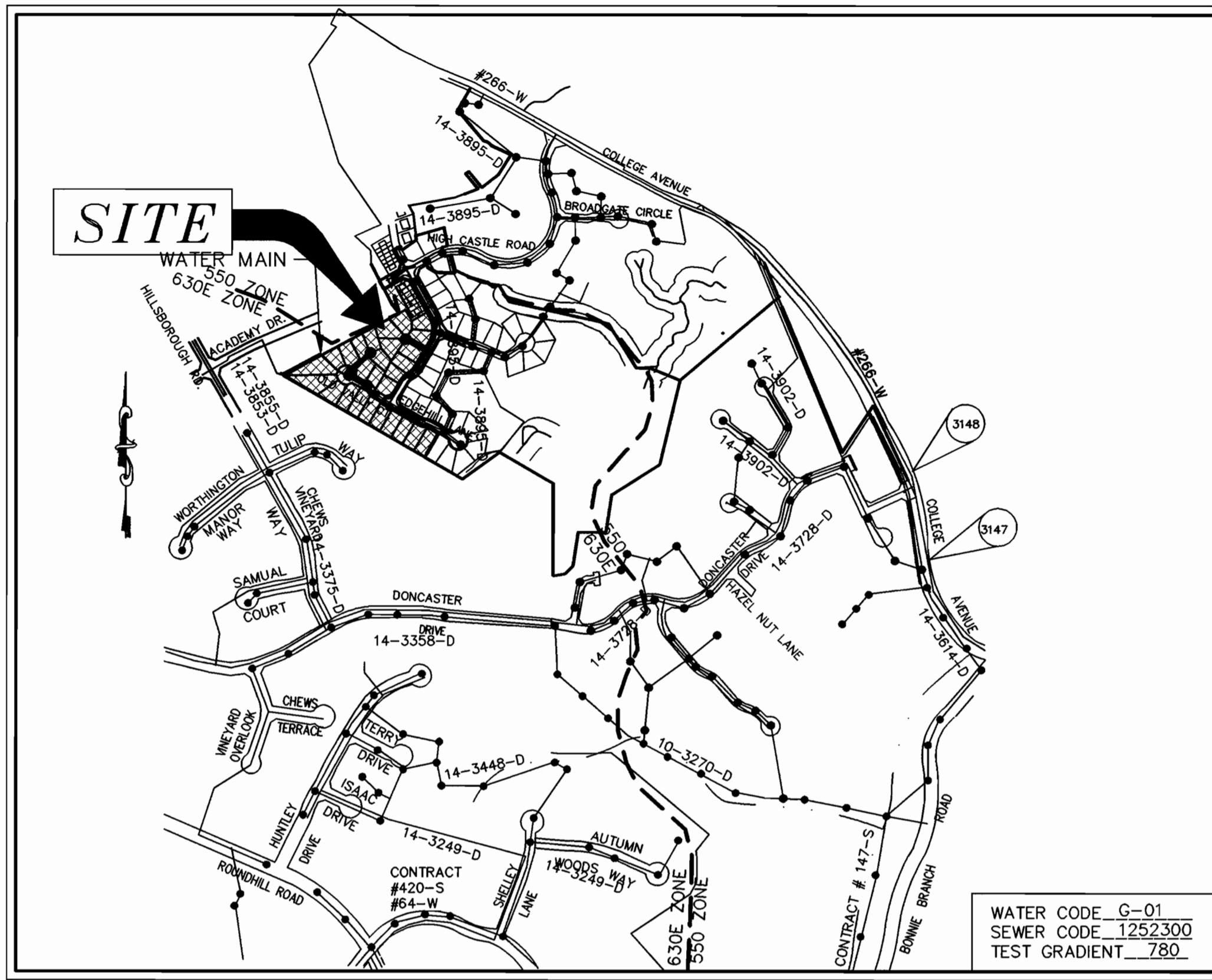


QUANTITY TABLE				
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
STANDARD MH (HO. CO. STD.G-5.01)	3			
TYPE B DROP MANHOLE (HO. CO. STD. S 1.32)	2			
8" SEWER MAIN	485 L.F.			
4" SEWER HOUSE CONNECTION	435 L.F.			
# SEWER HOUSE CONNECTIONS	6 EACH			
# MH SHC CONNECTIONS	7 EACH			
8" WATER	1107 L.F.			
4" WATER	350 L.F.			
1" WATER HOUSE CONNECTION	280 L.F.			
# 1" WHC	13 EACH			
# 1" TWHC	4 EACH			
8"x4" T	1 EACH			
8" V	1 EACH			
4" V	1 EACH			
4" CAP & BUTTRESS	2 EACH			
1/32 H.B. (8")	4 EACH			
1/16 H.B. (8")	1 EACH			
1/8 H.B. (8")	3 EACH			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE				



VICINITY MAP
SCALE: 1"=600'

TYPE OF BUILDING	SFD
No. OF UNITS	34
No. OF WATER HOUSE CONNECTION	15
No. OF SEWER HOUSE CONNECTIONS	15
No. OF WATER HOUSE CONNECTION (FUTURE)*	6
No. OF EXISTING SEWER HOUSE CONNECTIONS	19
No. OF EXISTING WATER HOUSE CONNECTIONS	19
ELECTION DISTRICT	SECOND
DRAINAGE AREA	BONNIE BRANCH, PATAPSCO
TREATMENT PLANT	PATAPSCO WASTEWATER TREATMENT PLANT, BALTIMORE

EXISTING WATER AND SEWER HOUSE CONNECTIONS ARE UNDER CONTRACT # 14-3896-D
* : FUTURE FOR VILLAGE CREST

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. DATA.
- COORDINATES BASED ON NAD'83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 3147 AND 3148.
STA. 3147 N575598.0794 E137581.7684 EL.335.987
STA. 3148 N576015.4313 E1375770.4364 EL.379.248
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 1'. 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 ADDITIONAL POLES, ANY COST INCURRED BY 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 THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 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.
- 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.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION (410) 531-5533
BG & E CO. CONTRACTOR SERVICES (410) 850-4620
BG & E CO. UNDERGROUND DAMAGE CONTROL (410) 787-9068
MISS UTILITY 1-800-257-7777
COLONIAL PIPELINE CO. (410) 795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES (410) 313-4900
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED OUTSIDE THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 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.
- 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 IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(c) OF HOWARD COUNTY CODE.
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE 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 SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- FOR SPRINKLER SYSTEM FOR ALL TOWNHOMES OR MULTI-FAMILY DWELLING UNITS SHOULD HAVE A MINIMUM OF 1" CONNECTION WITH A 3/4" METER.
- ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 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.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
- STATIONING SHOWN IS WATER MAIN AND CENTER LINE STATIONING.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- SEDIMENT CONTROL TO BE PROVIDED BY F-01-39.
- ALL SEWER HOUSE CONNECTIONS TO BE 4" IN SIZE.
- ALL WATER HOUSE CONNECTIONS TO BE 1" IN SIZE UNLESS OTHERWISE NOTED.
- ALL HOUSES WILL HAVE SERVICE TO LOWEST FLOOR UNLESS OTHERWISE NOTED.
- STORM DRAIN SYSTEM INDICATED FOR INFORMATIONAL PURPOSES ONLY, SEE ROAD PLANS FOR CONSTRUCTION DATA.
- COMPACTION IN FILL AREAS TO BE 95% AS DETERMINED PER AASHTO T-180.

EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER F-01-192

CONTRACT NO.: 14-3974-D AUTUMN VIEW, SECTION 5, PHASE III WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	TITLE SHEET
2	WATER AND SEWER PLAN
3	WATER PLAN AND PROFILES
4	WATER AND SEWER PROFILES
5	SEDIMENT CONTROL PLAN & DETAILS

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER'S SIGNATURE **3-14-02** DATE
 DEVELOPER'S NAME **WILLIAM BURRILL LLC**

ENGINEER'S SIGNATURE **3/14/02** DATE
 JOHN B. MILDENBERG
 ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS. DATE **3/14/02**

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT. DATE **3/14/02**

PLAN REFERENCE NUMBERS
P-01-08
F-01-192

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, BUREAU OF UTILITIES 3-12-02 DATE DATE	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND CHIEF, DEVELOPMENT ENGINEERING DIVISION 3/14/02 DATE DATE	MILDENBERG, BOENDER & ASSOC., INC. Engineers Planners Surveyors 5072 Dorsey Ball Drive, Suite 202, Ellicott City, Maryland 21042 (410) 997-0286 Ball, (301) 821-5521 Wash, (410) 997-0286 Fax	engineering SSA/MT illustration SSA/MT approval JBM project 00068 date DEC. 2001	TITLE SHEET	AUTUMN VIEW, SECTION 5 PHASE 3 (LOTS 301 THRU 335) CONTRACT NO.: 14-3974-D SECOND ELECTION DISTRICT HOWARD COUNTY	scale AS SHOWN 1 OF 5
600' SCALE MAP NO. 31 BLOCK NO. 3 & 4						

WATER MAIN TABULATION CHART		
OLD VALLEY COURT		
STATION	APPURTENANCE	O/S FROM C
0+97.35	1/32 H.B.	LT. 7.00
1+43.55	1/32 H.B.	LT. 3.00
2+81.25	8" x 4" T	LT. 3.00
LP 1+45.49	1/32 H.B.	RT. 0.98
N 576,741.698		
E 1,372,618.576	8" C & B	
EASEMENT (LOTS 314-318)		
STATION	APPURTENANCE	O/S FROM C
2+81.14	1/32 H.B.	RT. 34.77
N 576,769.837		
E 1,372,882.338	4" C & B	
EASEMENT (LOTS 323-327)		
STATION	APPURTENANCE	O/S FROM C
N 576,840.266		
E 1,373,062.104	4" C & B	

MANHOLE LOCATION CHART			
MH #	ROAD NAME OR NORTHING & EASTING	CL STATION	OFFSET
001	OLD VALLEY COURT	1+62.22	7.00 RT.
002	OLD VALLEY COURT	2+71.22	7.00 RT.
003	OLD VALLEY COURT	2+71.14	33.32 RT.
004	N 576,754.131 E 1,372,880.339		
005	N 576,826.332 E 1,373,066.202		

FRONTAGE TABLE	
LOT #	FRONTAGE
301	67.59'
302	72.58'
303	68.77'
304	69.56'
305	68.86'
306	67.86'
307	68.68'
308	73.50'
309	56.21'
310	31.04'
311	23.39'
312	50.88'
313	31.10'
314	8.12'
315	8.01'
316	8.10'
317	89.65'
318	67.62'
319	170.25'
320	66.72'
321	78.66'
322	74.29'
323	8.00'
324	8.00'
325	8.00'
326	95.30'
327	105.68'
328	29.50'
329	22.00'
330	29.50'
331	29.50'
332	22.00'
333	22.00'
334	130.06'



OWNER/DEVELOPER
 BONNIE BRANCH, CORPORATION
 P.O. BOX. 396
 ELLICOTT CITY, MD 21041

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert M. Berman
 CHIEF, BUREAU OF UTILITIES
 3-12-02
 DATE DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 3/14/02
 DATE

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21043
 (410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax

engineering	SAA/MT				
illustration	SAA/MT				
approval	JBM				
project	00068				
date	DEC 2001	BY	NO.	REVISION	DATE

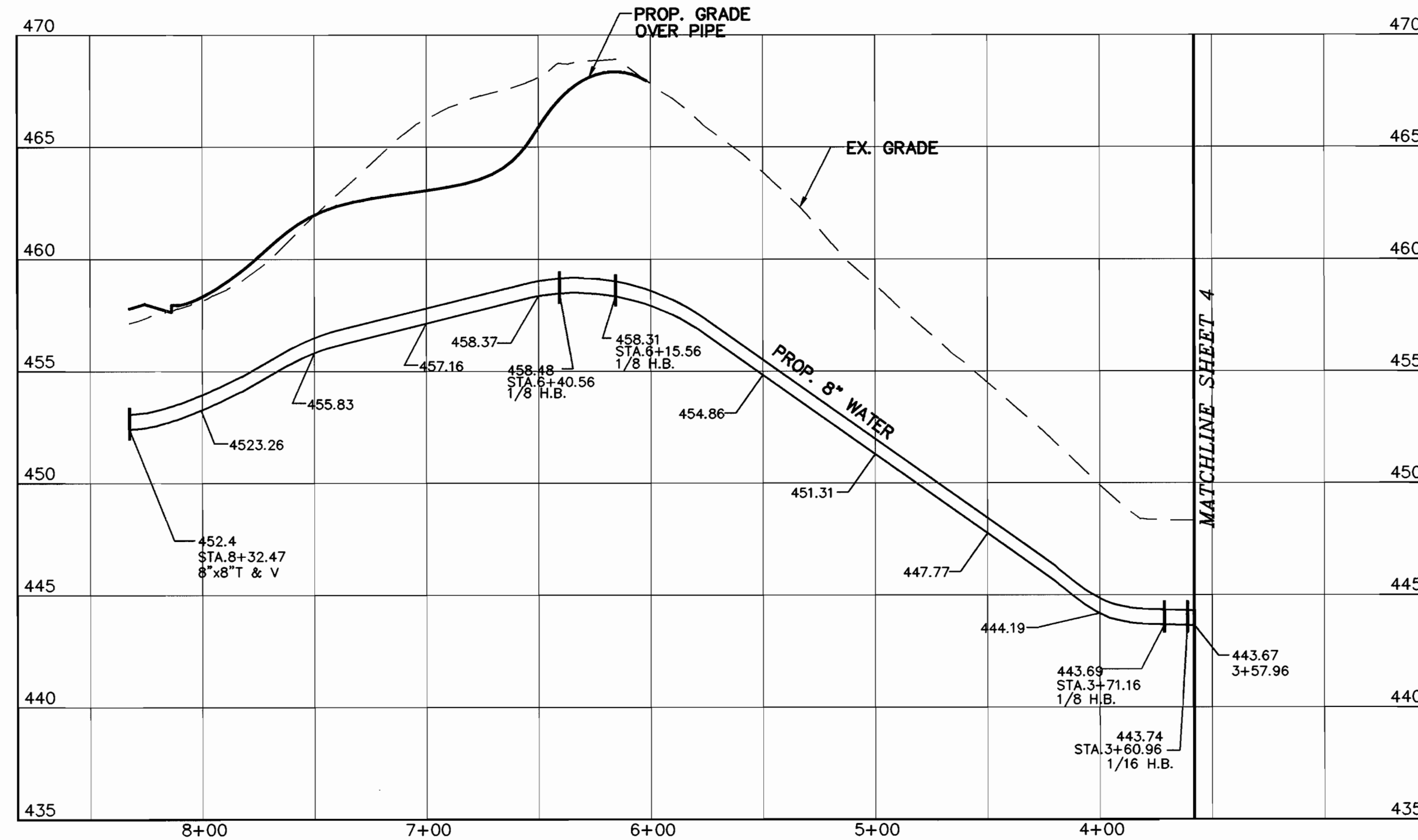
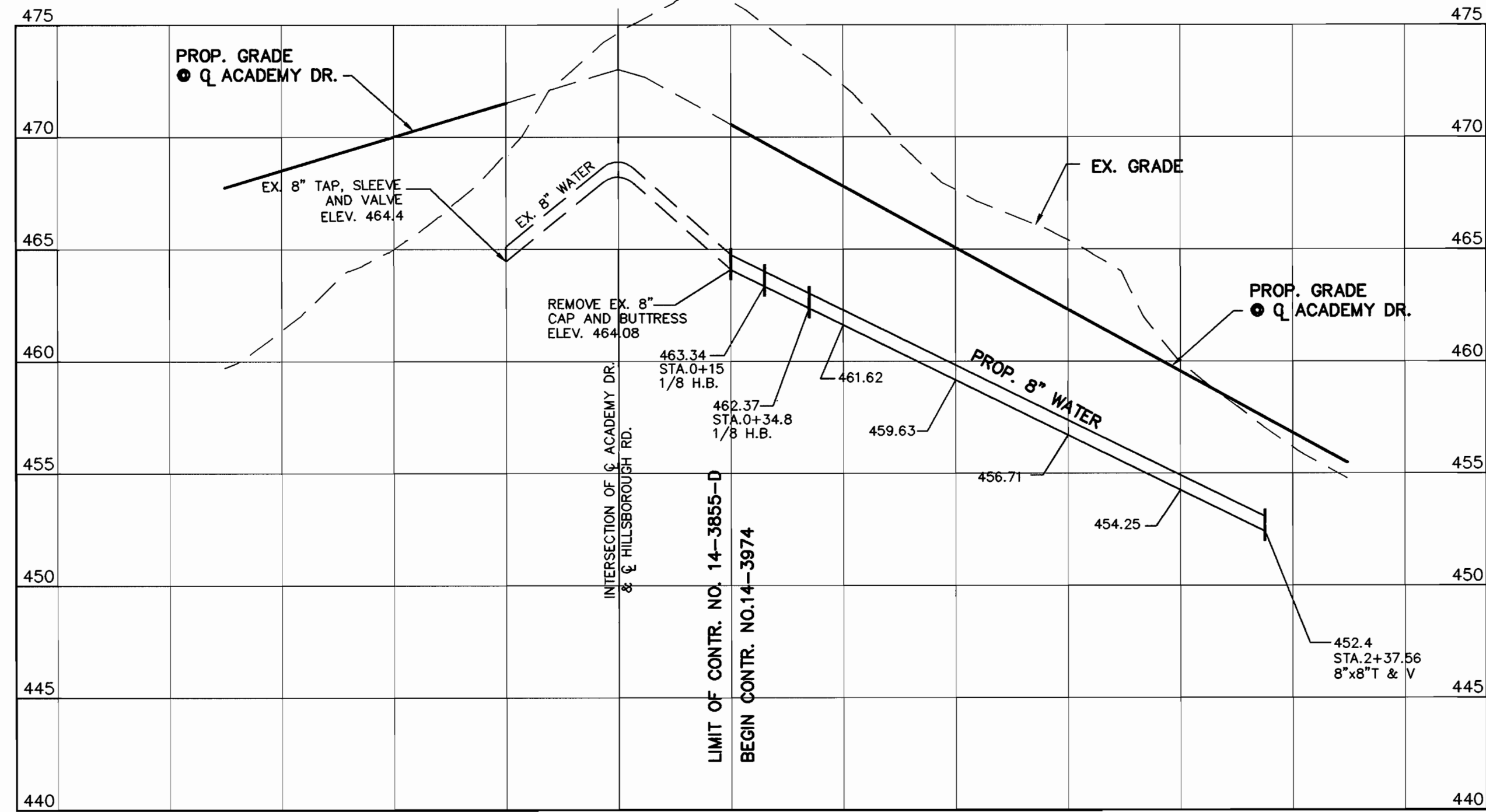
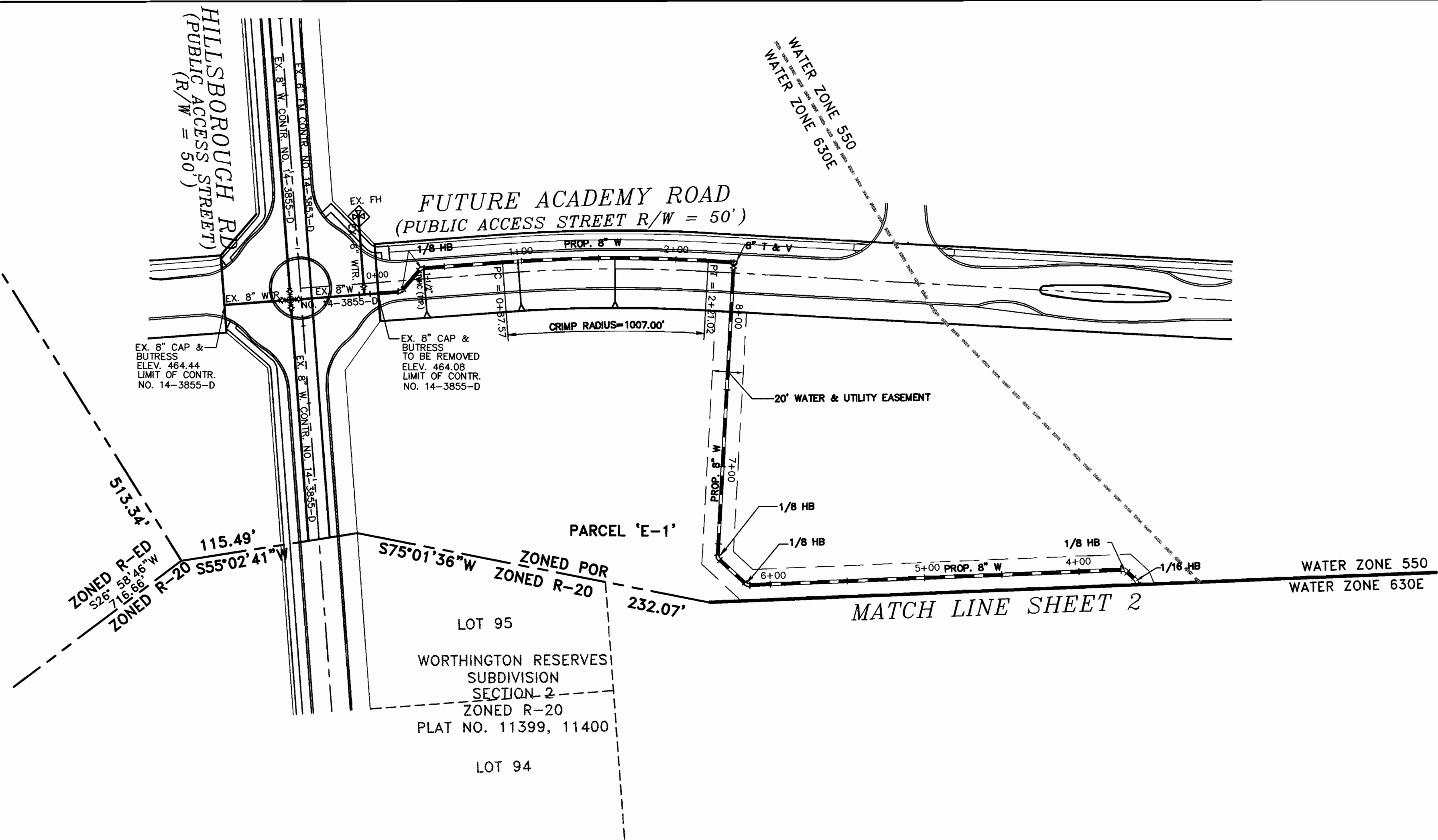
WATER AND SEWER PLAN
 600' SCALE MAP NO. 31 BLOCK NO. 3 & 4

AUTUMN VIEW, SECTION 5
 PHASE 3 (LOTS 301 THRU 335)
 CONTRACT NO.: 14-3974-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY

**WATER MAIN
TABULATION CHART**

OFF SITE EASEMENT

Q STATION	APPURTENANCE	O/S FROM Q
N 576743.1677 E 1372616.9463	1/16 HB	
N 576746.0781 E 1372607.1754	1/8 HB	
N 576629.8452 E 1372591.9891	1/8 HB	
N 576637.4972 E 1372367.3031	1/8 HB	
N 576813.4773 E 1372292.5587	8" T & V	
N 576720.8776 E 1372112.5414	1/8 HB	
N 576702.264 E 1372107.2859	1/8 HB	
N 576694.4003 E 1372094.5268	8" VALVE	



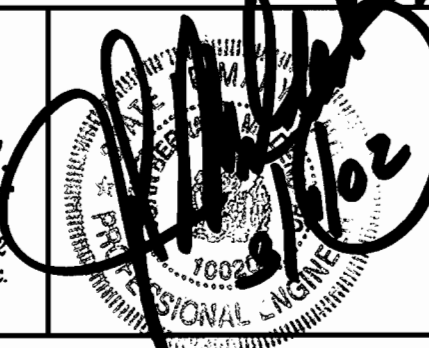
OWNER/DEVELOPER
 BONNIE BRANCH, CORPORATION
 P.O. BOX. 396
 ELLICOTT CITY, MD 21041

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

**MILDENBERG,
BOENDER & ASSOC., INC.**

Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 987-0296 Ball. (301) 621-5521 Wash. (410) 987-0288 Fax.



engineering	SAA/MT				
illustration	SAA/MT				
approval	JBM				
project	00068				
date	DEC 2001	BY	NO.	REVISION	DATE

**WATER
PLAN AND PROFILES**

AUTUMN VIEW, SECTION 5
 PHASE 3 (LOTS 301 THRU 335)
 CONTRACT NO.: 14-3974-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY

scale
1"=50'
3 OF 5

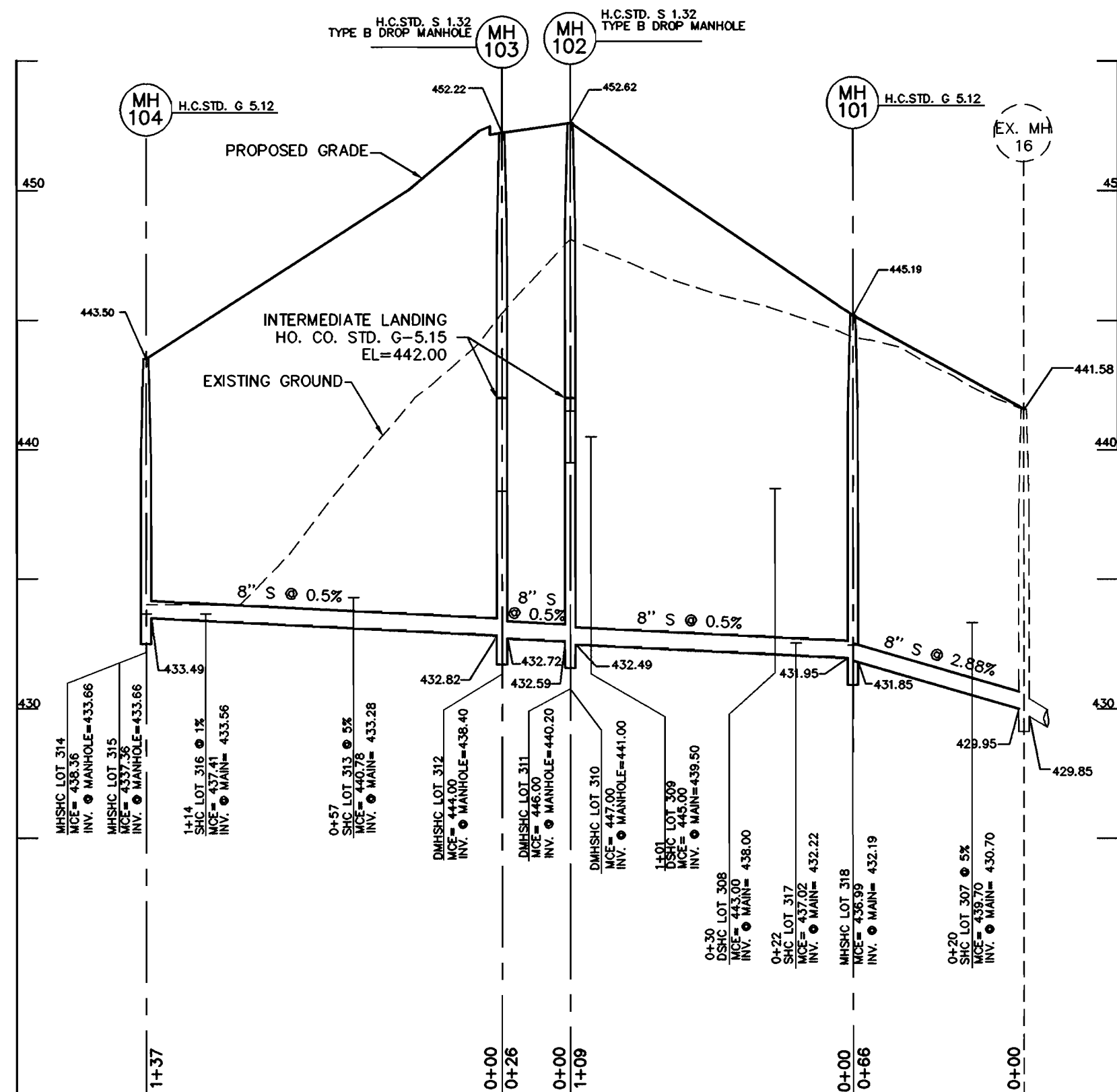
00068 (DWG) VWS/MS/068-PLAN-WS-DWG

Robert M. Boender 5-12-02
CHIEF, BUREAU OF UTILITIES DATE

Robert M. Boender 5/14/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

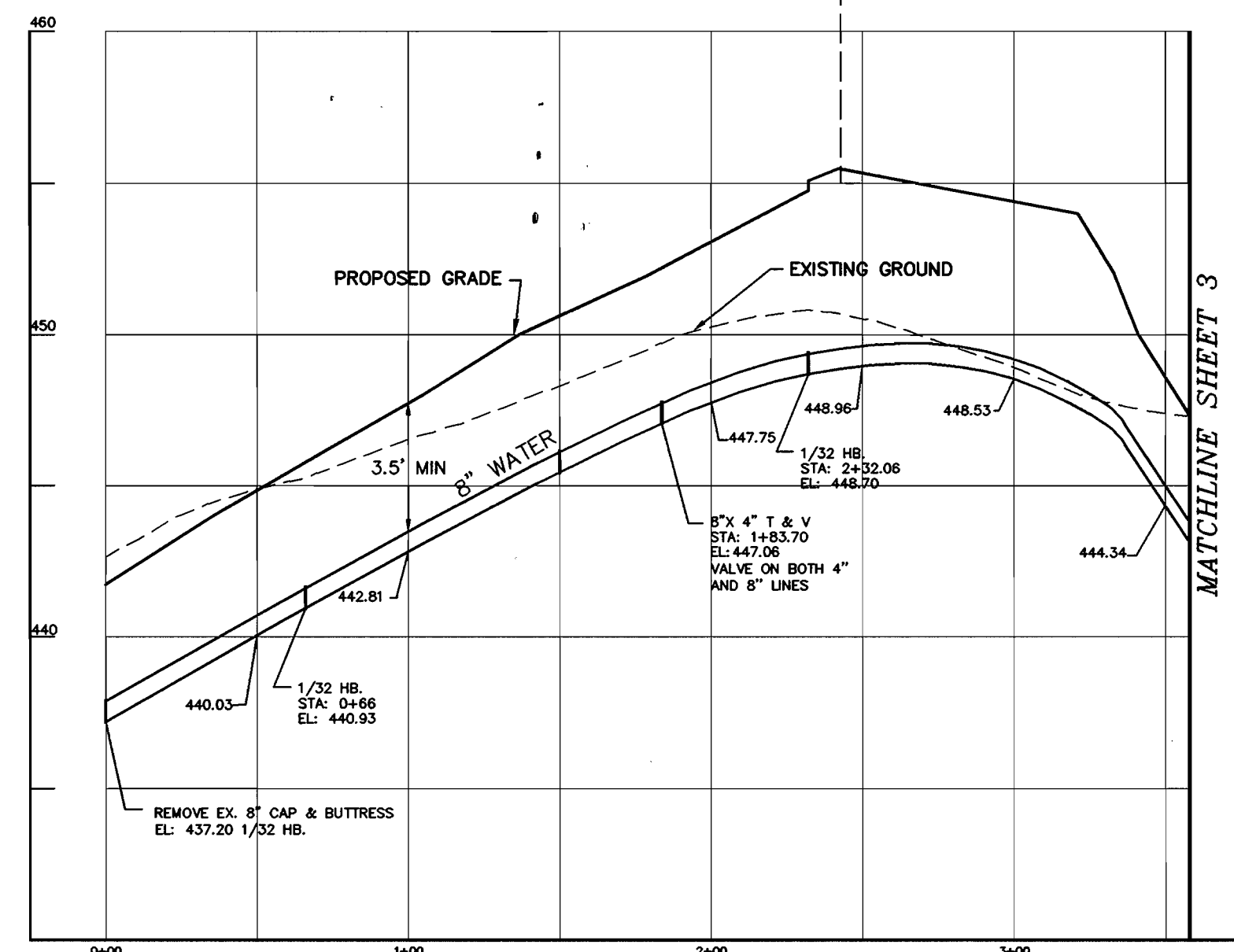
600' SCALE MAP NO. _____ BLOCK NO. _____

OLD VALLEY COURT 10' PUBLIC WATER AND UTILITY EASEMENT



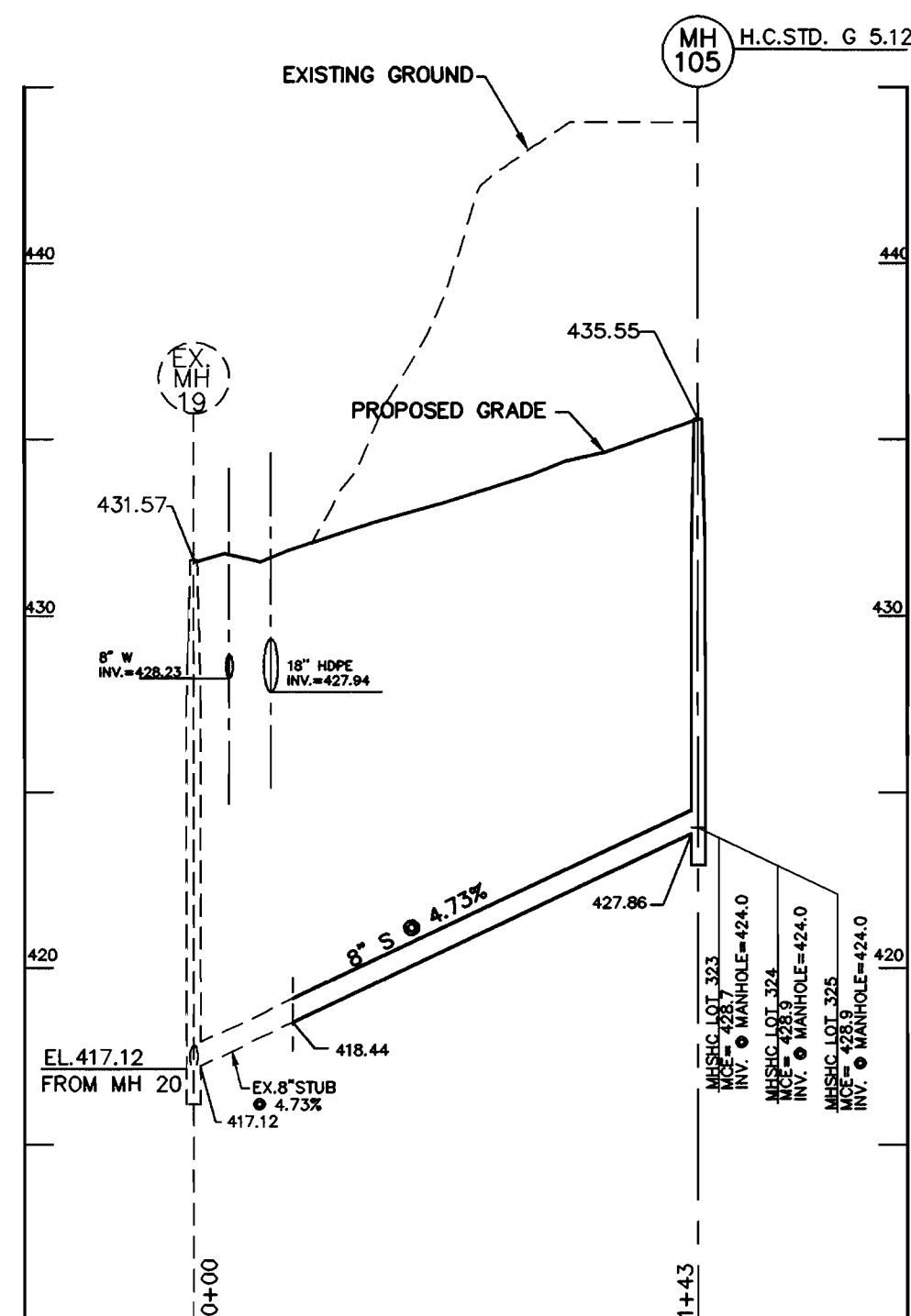
8" SEWER PROFILE

SCALE: HOR. 1"=50'
VER. 1"=5'



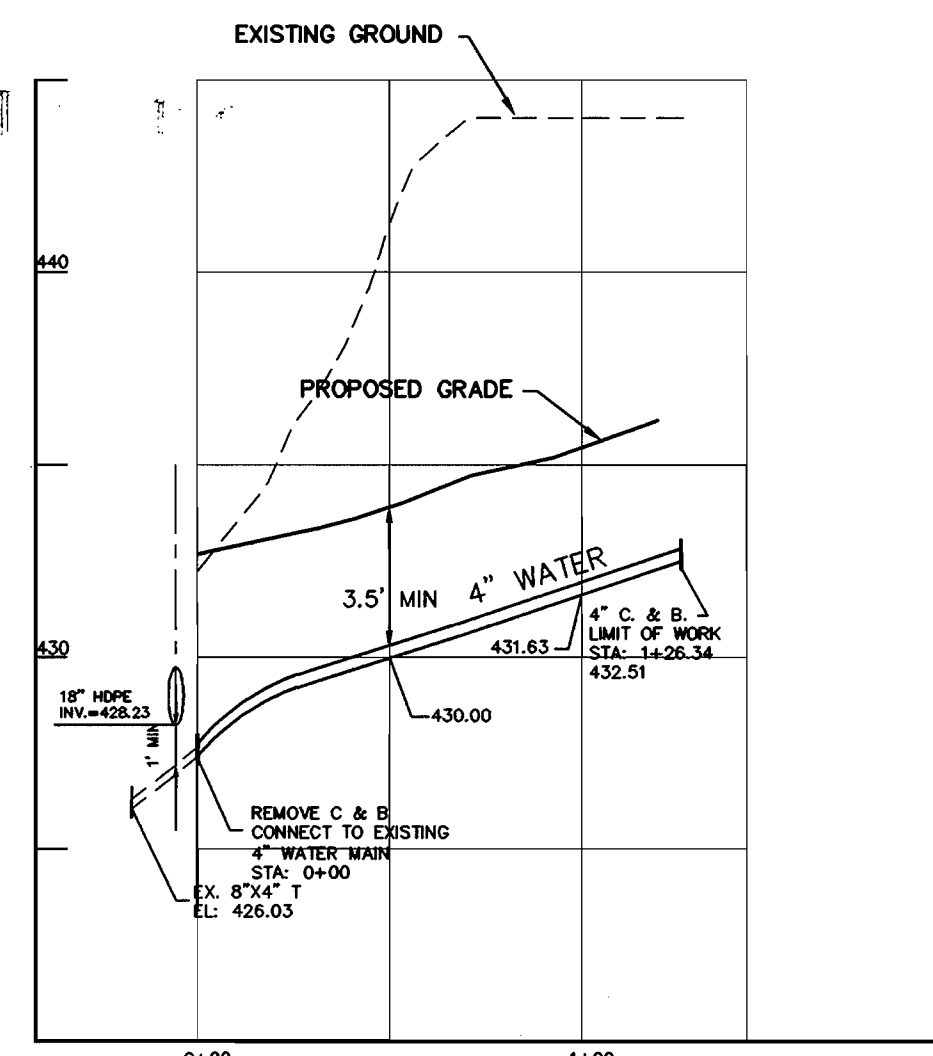
8" WATER PROFILE (OLD VALLEY COURT)

SCALE: HOR. 1"=50'
VER. 1"=5'



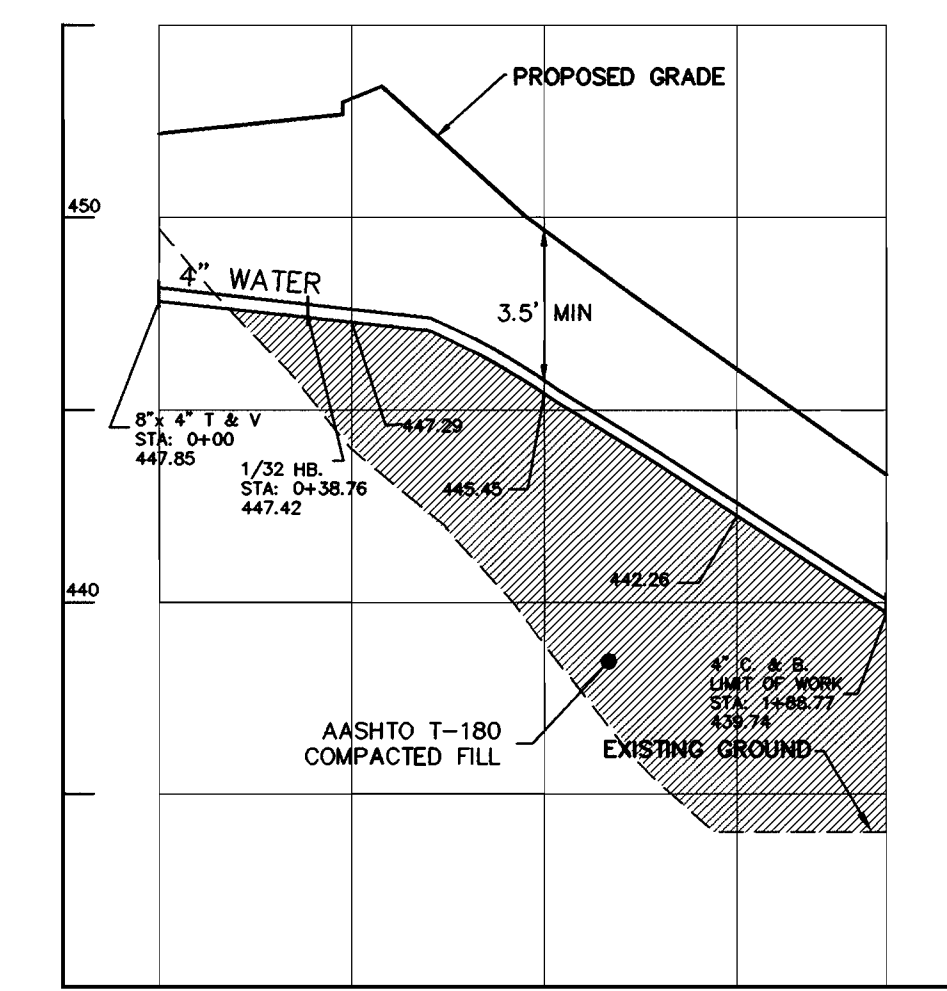
8" SEWER PROFILE
SERVING LOTS 323-325

SCALE: HOR. 1"=50'
VER. 1"=5'



4" WATER PROFILE (EASEMENT)
SERVING LOTS 323-325

SCALE: HOR. 1"=50'
VER. 1"=5'



4" WATER PROFILE (EASEMENT)
SERVING LOTS 313-316

SCALE: HOR. 1"=50'
VER. 1"=5'

OWNER/DEVELOPER

BONNIE BRANCH CORPORATION
P.O. BOX. 396
ELLICOTT CITY, MD 21041

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 987-0298 Fax. (301) 621-5521 Truck (410) 987-0298 Fax.

[Handwritten Signature]

engineering	SAA/MT				
illustration	SAA/MT				
approval	JBM				
project	00068				
date	DRC. 2001	BY NO.		REVISION	

WATER AND SEWER
PROFILES

AUTUMN VIEW, SECTION 5
PHASE 3 (LOTS 301 THRU 335)
CONTRACT NO.: 14-3974-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale
AS SHOWN
4 OF 5

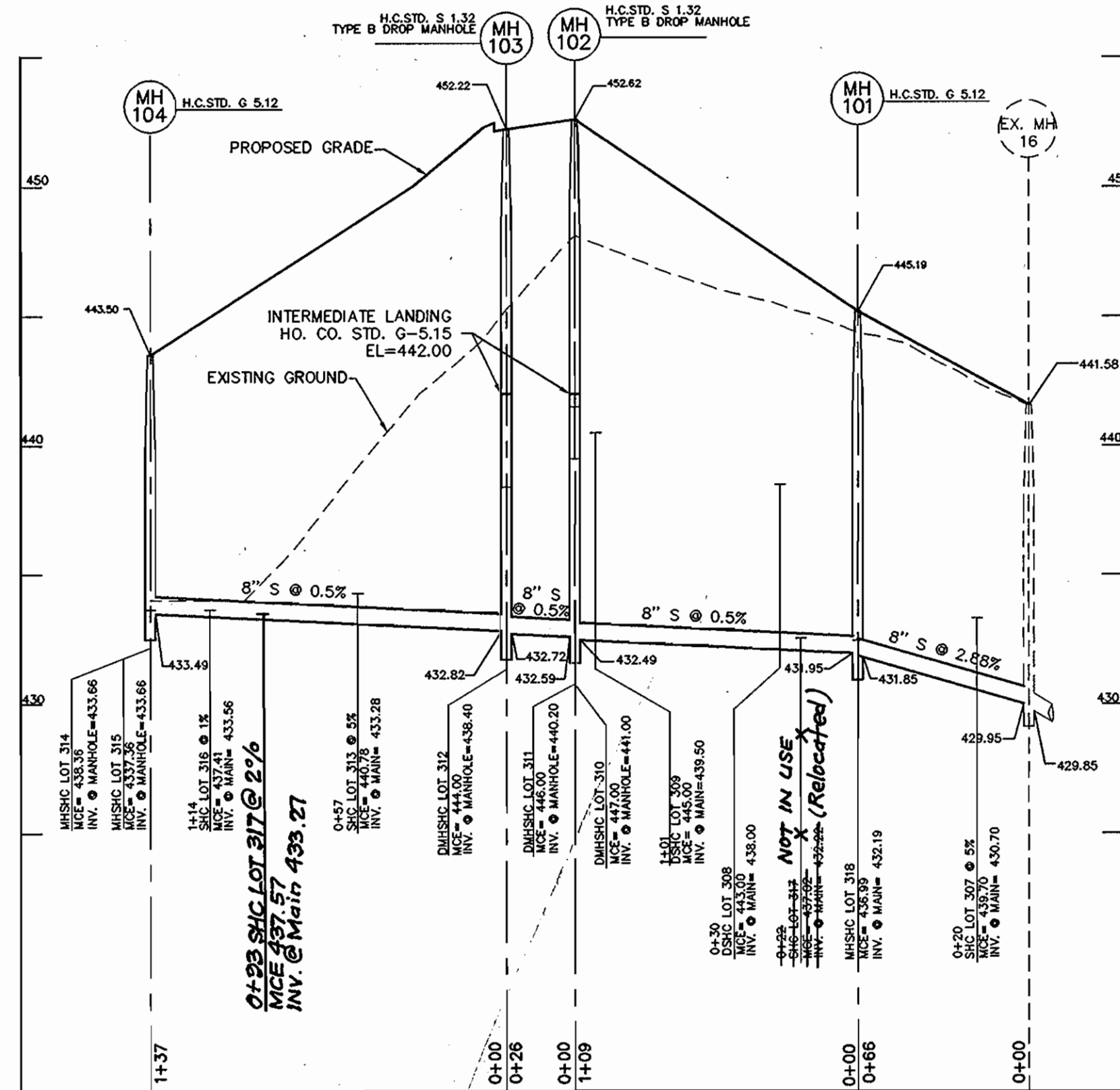
00068.DWG(V) WWS/PROFILE

[Handwritten Signature] 3-12-02
CHIEF, BUREAU OF UTILITIES DATE

[Handwritten Signature] 3/14/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

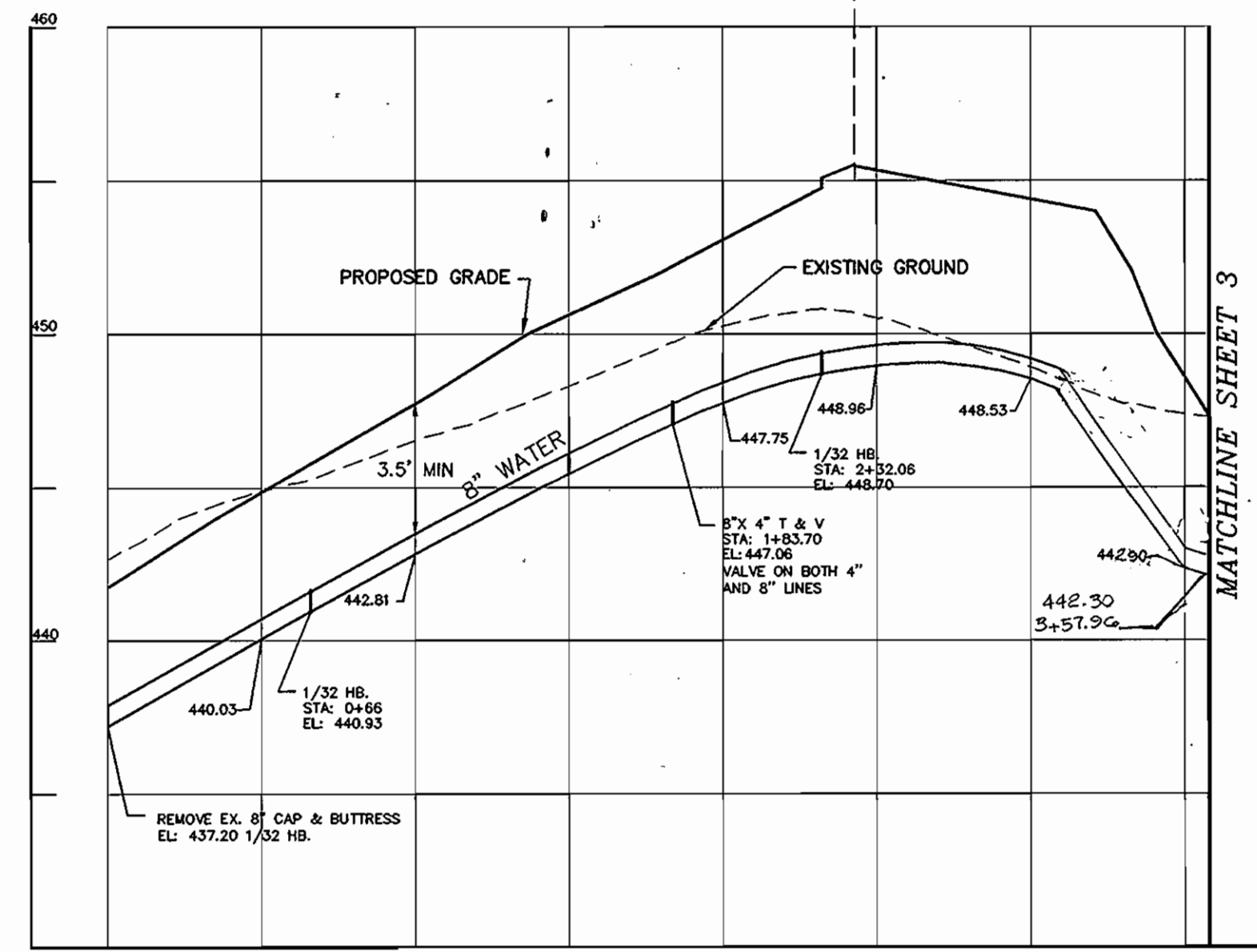
DATE 60' SCALE MAP NO. 31 BLOCK NO. 3 & 4

OLD VALLEY COURT 10' PUBLIC WATER AND UTILITY EASEMENT



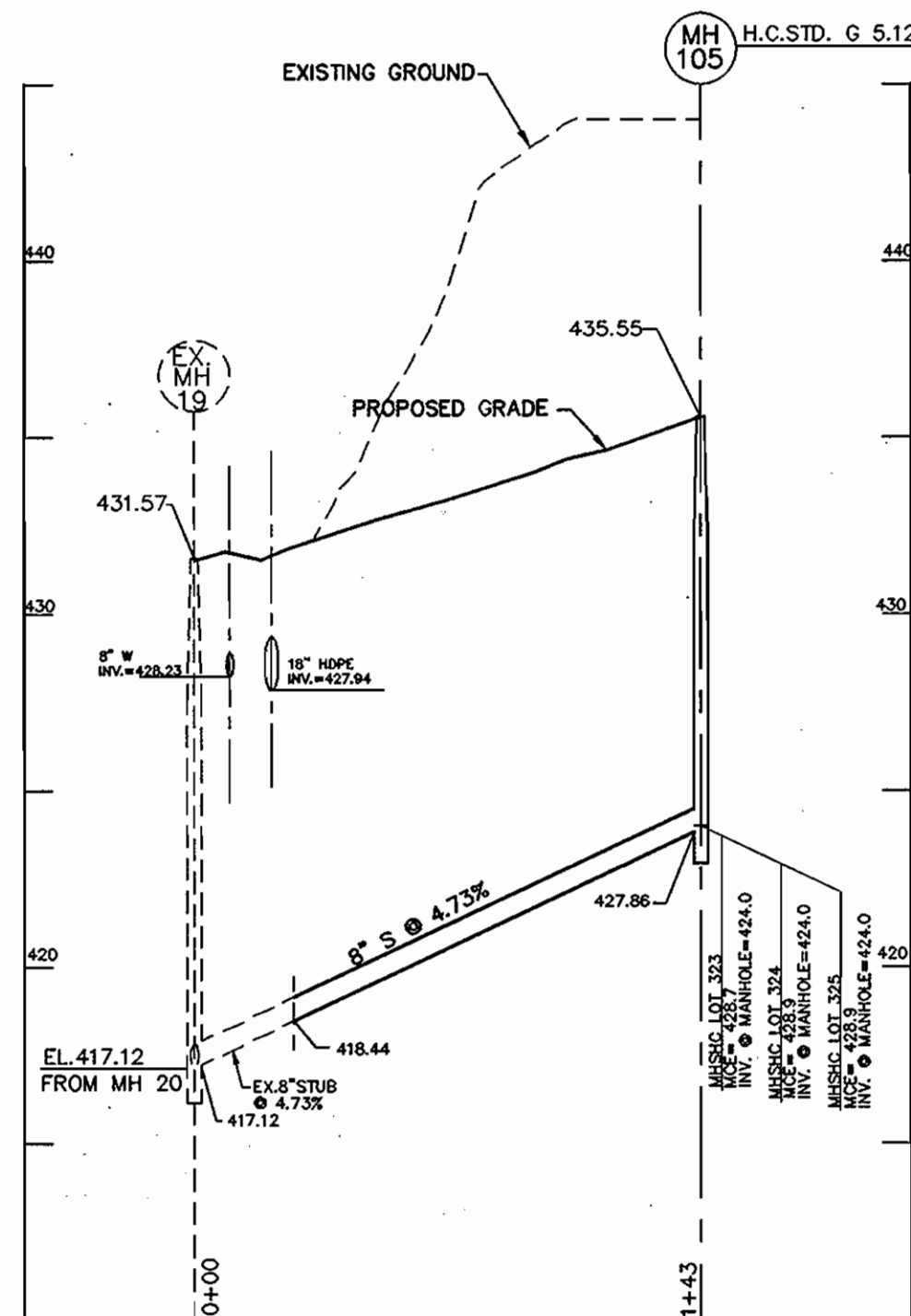
8" SEWER PROFILE

SCALE: HOR. 1"=50'
VER. 1"=5'



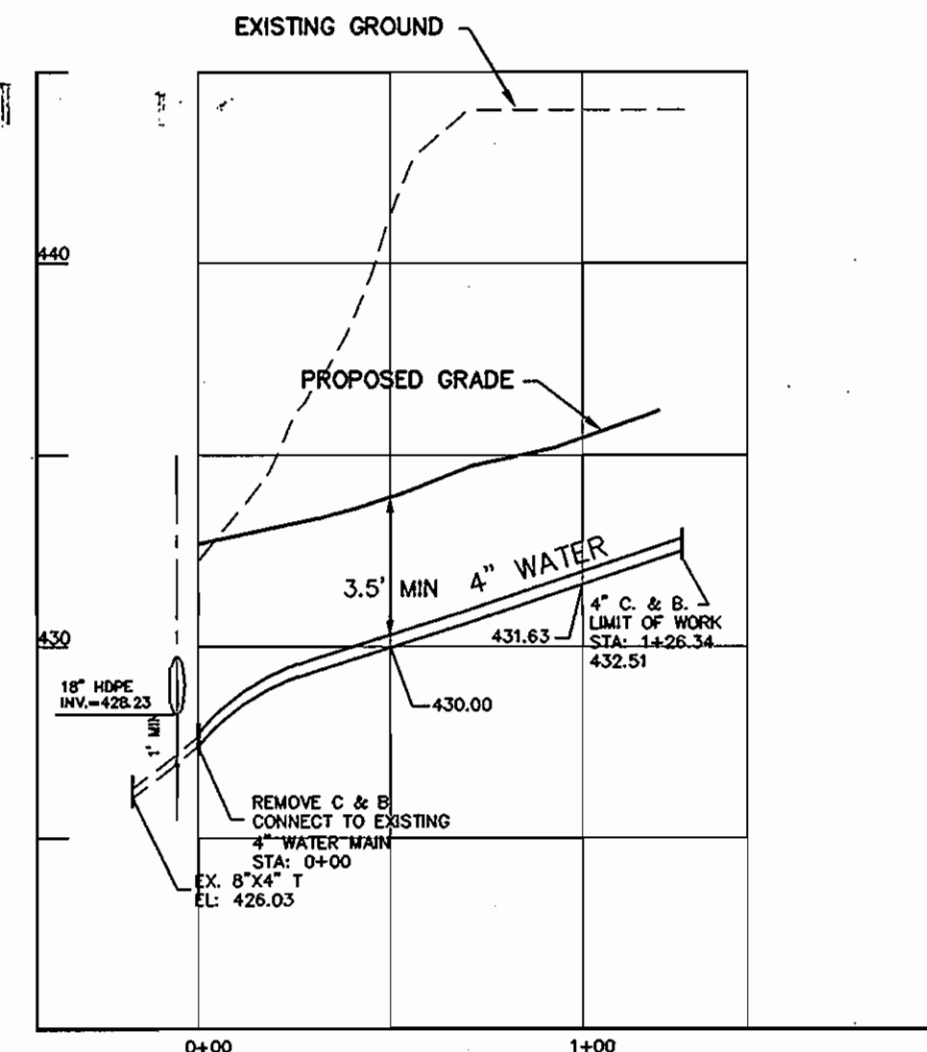
8" WATER PROFILE (OLD VALLEY COURT)

SCALE: HOR. 1"=50'
VER. 1"=5'



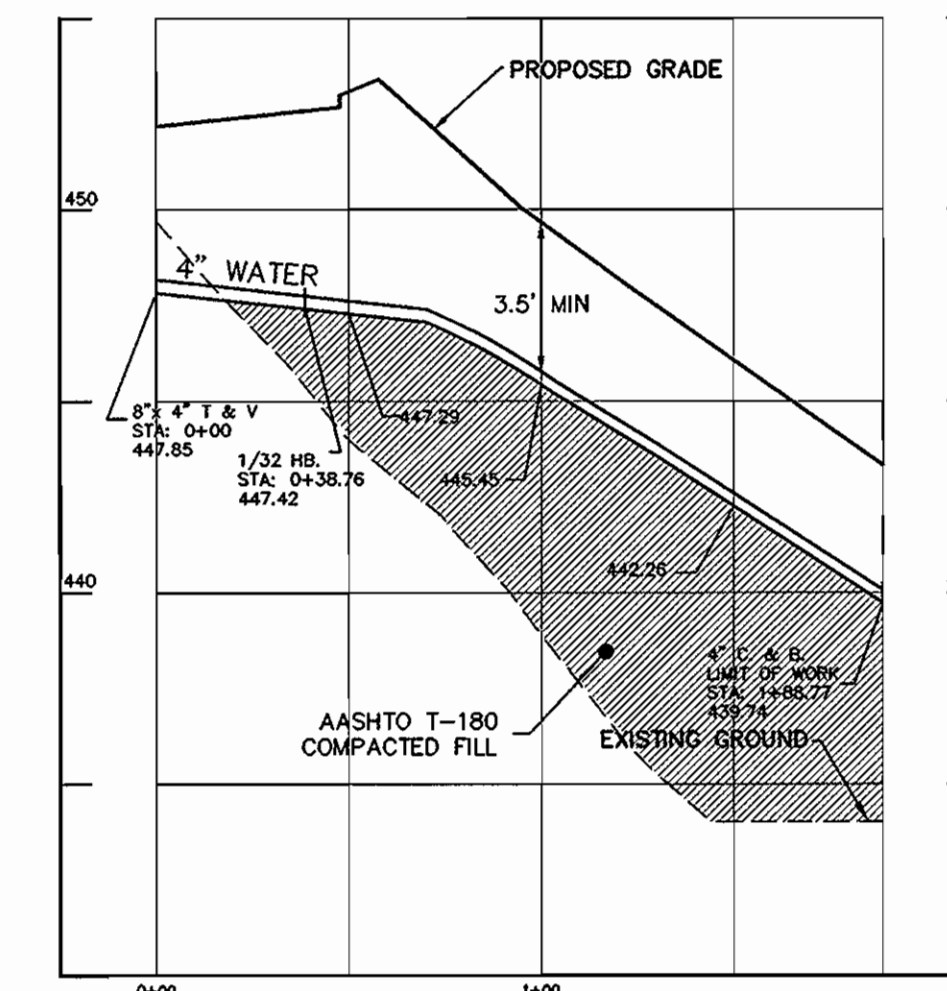
8" SEWER PROFILE
SERVING LOTS 323-325

SCALE: HOR. 1"=50'
VER. 1"=5'



4" WATER PROFILE (EASEMENT)
SERVING LOTS 323-325

SCALE: HOR. 1"=50'
VER. 1"=5'



4" WATER PROFILE (EASEMENT)
SERVING LOTS 313-316

SCALE: HOR. 1"=50'
VER. 1"=5'



OWNER/DEVELOPER
BONNIE BRANCH, CORPORATION
P.O. BOX, 395
ELLCOTT CITY, MD 21041

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

MILDENBERG,
BOENDER & ASSOC., INC.
Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Bull. (301) 621-5521 Wash. (410) 997-0298 Fax

3-12-02
DATE

3/14/02
DATE

engineering	SA A/MT				
illustration	SA A/MT				
approval	JBM	2	Rev. profile of 8" S between MH103 and MH104 to show vertical align. of 8" water line.	11/11/02	
project	00088	MAP 1	REVISED VERTICAL ALIGN. OF 8" WATER LINE		
date	DRC. 2001	BY NO.	REVISION	DATE	

WATER AND SEWER
PROFILES

AUTUMN VIEW, SECTION 5
PHASE 3 (LOTS 301 THRU 335)
CONTRACT NO.: 14-3974-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

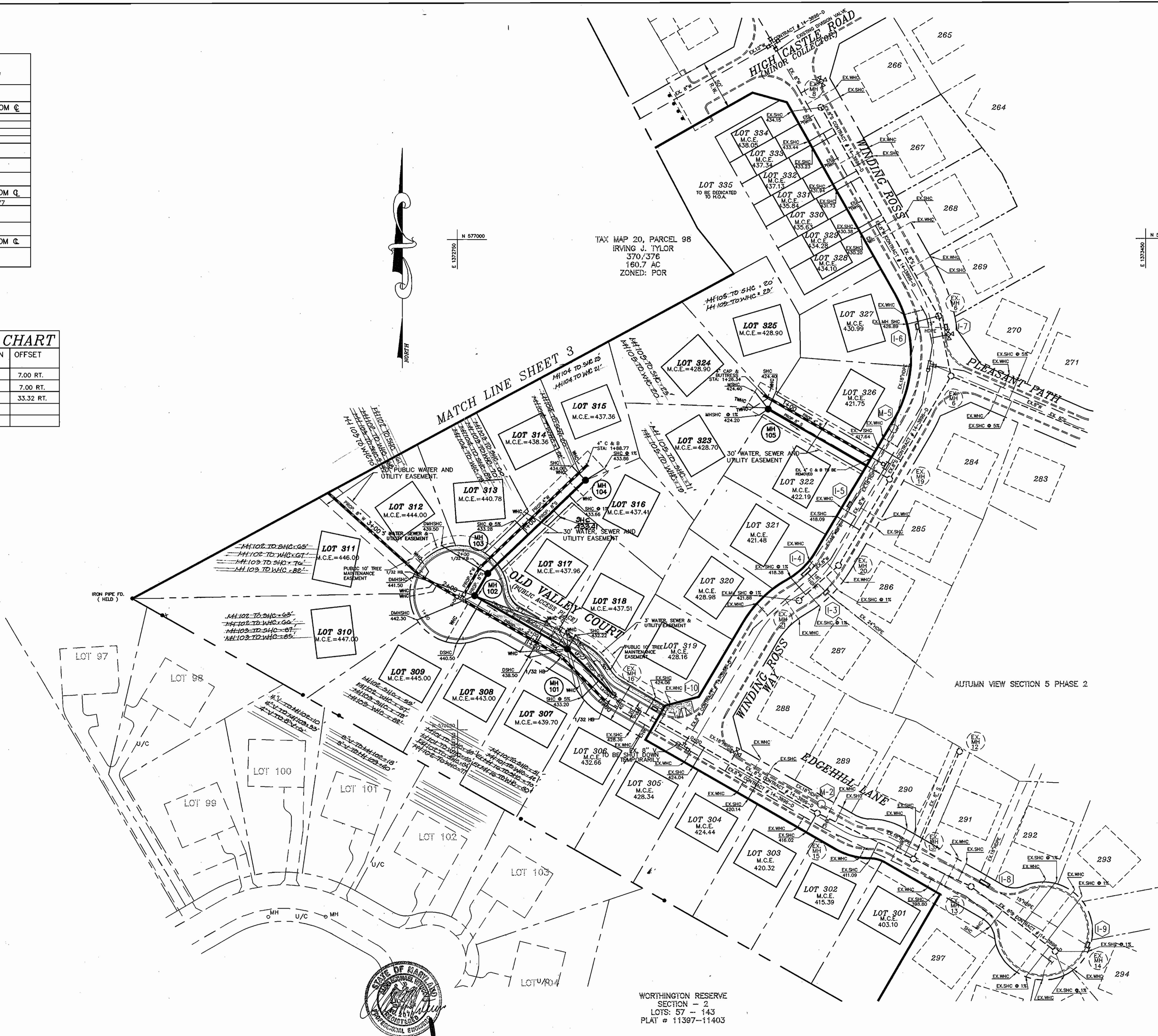
scale
AS SHOWN
4 OF 5

00088.DWG/VAS/PROFILE

WATER MAIN TABULATION CHART		
OLD VALLEY COURT		
STATION	APPURTENANCE	O/S FROM C
0+97.35	1/32 H.B.	LT. 7.00
1+63.55	1/32 H.B.	LT. 3.00
2+81.25	8" x 4" T	LT. 3.00
LP 1+45.49	1/32 H.B.	RT. 0.98
N 576,741.698		
E 1,372,618.576	8" C & B	
EASEMENT (LOTS 314-318)		
STATION	APPURTENANCE	O/S FROM C
2+81.14	1/32 H.B.	RT. 34.77
N 576,769.837		
E 1,372,882.338	4" C & B	
EASEMENT (LOTS 323-327)		
STATION	APPURTENANCE	O/S FROM C
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E 1,373,062.104	4" C & B	

MANHOLE LOCATION CHART			
MH #	ROAD NAME OR NORTHING & EASTING	CL STATION	OFFSET
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003	OLD VALLEY COURT	2+71.14	33.32 RT.
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005	N 576,826.332 E 1,373,066.202		

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316	8.10'
317	89.65'
318	67.62'
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321	78.66'
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323	8.00'
324	8.00'
325	8.00'
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328	29.50'
329	22.00'
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332	22.00'
333	22.00'
334	130.06'



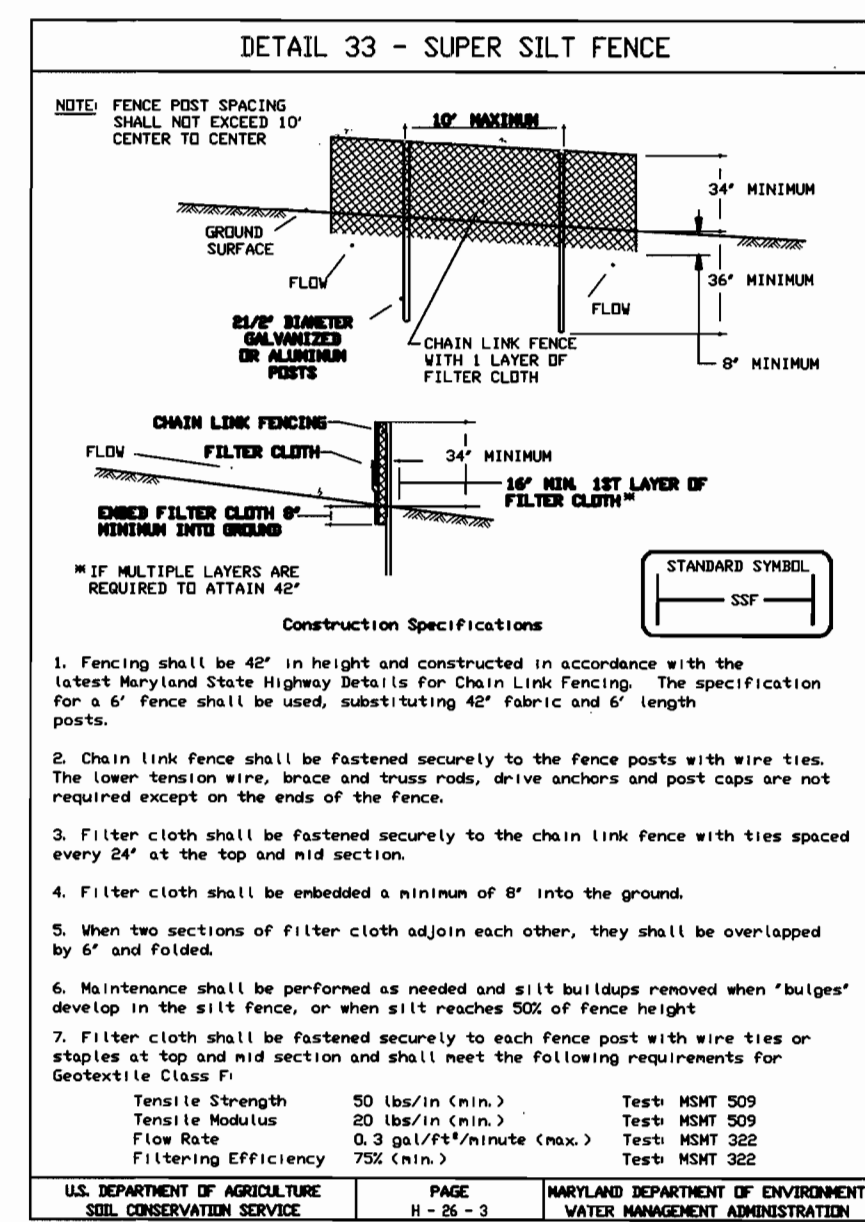
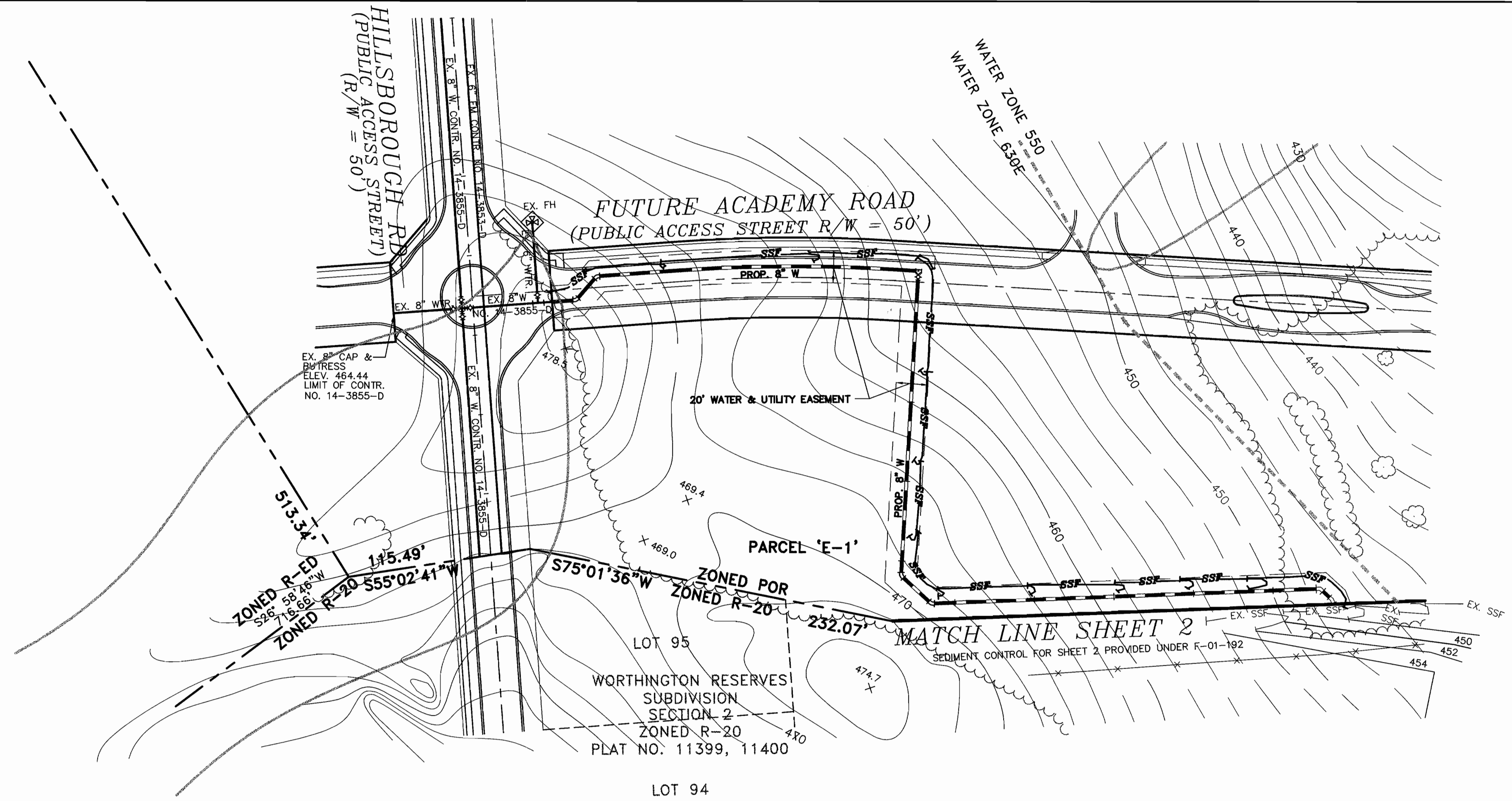
MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21041
(410) 987-0286 Ball (301) 621-5521 Wash. (410) 987-0288 Fax

engineering	SAA/MT							
illustration	SAA/MT							
approval	JBM							
project	FCC	1	Rev. SHC Location Lot 317 by FCC Inc.	11/29/06				
date	00068	K.C.I.	ASBUILT DATA SHOWN	4/26/09				
	DEC 2001	BY	NO.	REVISION	DATE	60'	SCALE MAP NO.	31
							BLOCK NO.	3 & 4

WATER AND SEWER PLAN

AUTUMN VIEW, SECTION 5
PHASE 3 (LOTS 301 THRU 335)
CONTRACT NO.: 14-3974-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

OWNER/DEVELOPER
BONNIE BRANCH, CORPORATION
P.O. BOX, 395
ELLICOTT CITY, MD 21041



SUPER SILT FENCE

Design Criteria

Slope	Slope Steepness	Slope Length (Maximum)	Silt Fence Length (Maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 20%	10:1 - 5:1	200 feet	1,500 feet
20 - 33%	5:1 - 3:1	100 feet	1,000 feet
33 - 50%	3:1 - 2:1	100 feet	500 feet
50% +	2:1 +	50 feet	250 feet

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 11-26-3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 3/15/02
DEVELOPER'S SIGNATURE DATE

[Signature] L.P.D.S.
DEVELOPER'S NAME

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 3/15/02
ENGINEER'S SIGNATURE DATE

JOHN MILDENBERG
ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

HOWARD SCD DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 3-19-02
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

[Signature] 3/19/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
(410) 987-0286 Balt. (301) 821-5521 Wash. (410) 987-0288 Fax.

[Signature]

engineering SAA/MT
illustration SAA/MT
approval JEM
project 00068
date DEC 2001

BY NO. REVISION DATE

SEDIMENT CONTROL PLAN AND DETAILS

600' SCALE MAP NO. _____ BLOCK NO. _____

AUTUMN VIEW, SECTION 5
PHASE 3 (LOTS 301 THRU 335)
CONTRACT NO.: 14-3974-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale 1"=50'
5 OF 5

OWNER/DEVELOPER
BONNIE BRANCH, CORPORATION
P.O. BOX, 396
ELLICOTT CITY, MD 21041

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