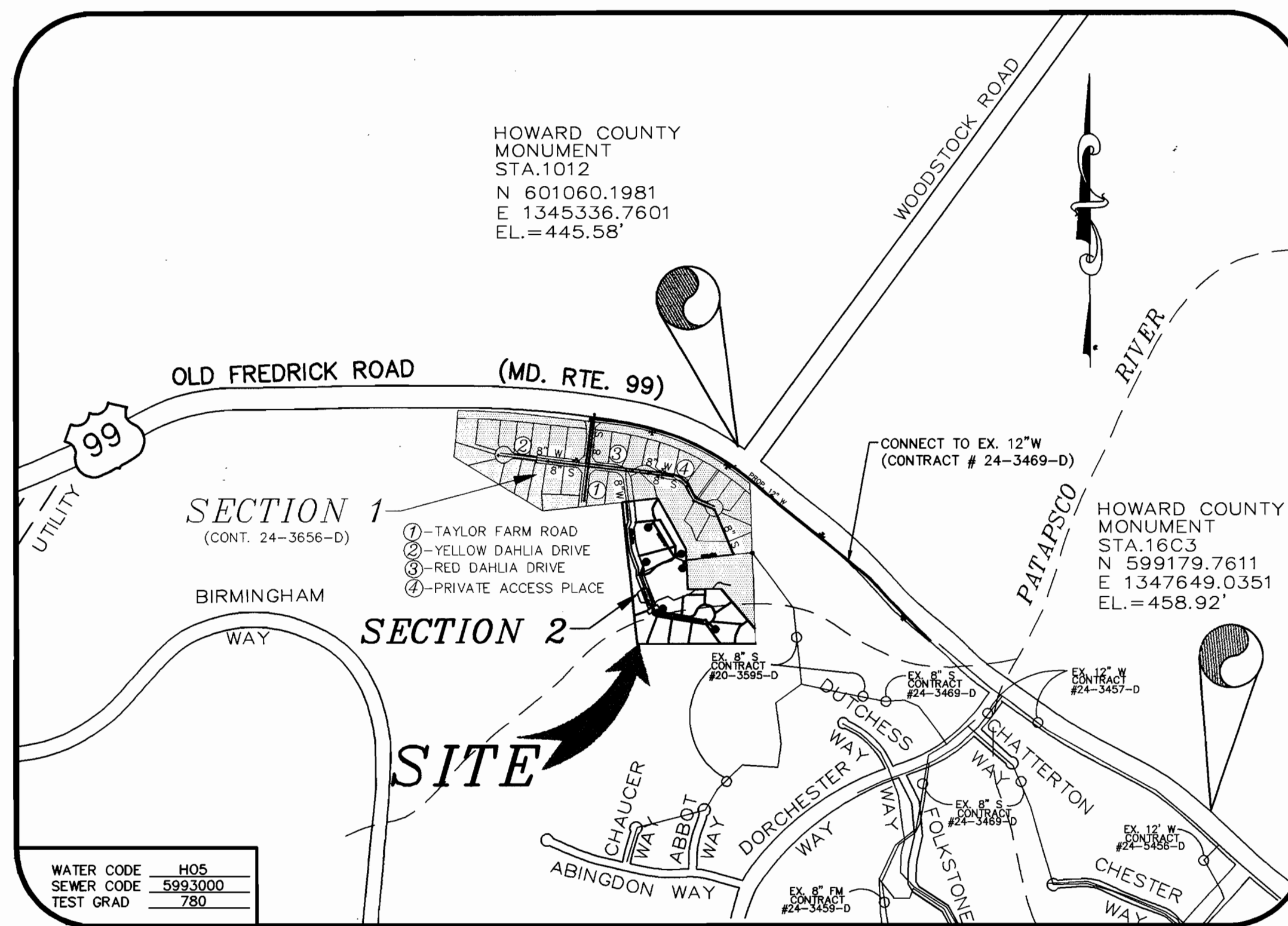


QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES		MANUFACTURER/SUPPLIER
		TYPE		
STD. MANHOLE	4 EACH			
STD. WATER TIGHT MANHOLE	1 EACH			
TYPE B DROP MANHOLE "TYPE B"	1 EACH			
MANHOLE, VERTICAL FEET	48 L.F.			
8" SEWER MAIN (DIP)	988 L.F.			
8" SEWER MAIN	232 L.F.			
4" SEWER HOUSE CONNECTION	291 L.F.			
# SEWER HOUSE CONNECTIONS	6 EACH			
# DROP HOUSE CONNECTIONS	1 EACH			
# MH CONNECTIONS	5 EACH			
8" PLUG	1 EACH			
8" WATER	890 L.F.			
6" WATER	16 L.F.			
1" WATER HOUSE CONNECTION	370 L.F.			
F.H.	2 EACH			
8" x 6" T	2 EACH			
6" V	2 EACH			
8" V	1 EACH			
4" JOINT DEFLECTION (8")	1 EACH			
8" CAP & BUTTRESS	1 EACH			
# 1" WHC	12 EACH			
1/16 H.B. (8")	4 EACH			
1/8 H.B. (8")	1 EACH			
1/32 H.B. (8")	2 EACH			
1/32 V.B. (8")	4 EACH			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE				



VICINITY MAP

SCALE : 1' = 600'

EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER F-99-125

TYPE OF BUILDING RESIDENTIAL: SINGLE FAMILY DETACHED
No. OF UNITS: 14 (11 BUILDABLE)
No. OF WATER HOUSE CONNECTION: 12
No. OF SEWER HOUSE CONNECTIONS: 12
DRAINAGE AREA: LITTLE PATUXENT
TREATMENT PLANT: PATAPSCO WASTEWATER TREATMENT PLANT VIA THE ROUTE 108 PUMPING STATION

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.
- 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. 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 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	(410) 313-4900
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.
- 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.
- ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. 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.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- 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.
- ALL WATER METERS TO BE LOCATED INSIDE PROPOSED UNITS.
- STATIONING SHOWN IS WATER MAIN AND CENTER LINE STATIONING.
- ALL CLEANOUTS AND BALL VALVES ARE TO BE LOCATED AT THE WATER, SEWER AND UTILITY EASEMENT LINE.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- ON-SITE SEDIMENT CONTROL TO BE PROVIDED BY F-98-141.
- ALL SEWER HOUSE CONNECTIONS TO BE 4" IN SIZE.
- ALL WATER HOUSE CONNECTIONS TO BE 1" IN SIZE UNLESS OTHERWISE NOTED.
- ALL CELLARS WILL HAVE SERVICE TO LOWEST FLOOR UNLESS OTHERWISE NOTED.
- THERE WILL BE NO TOWN SEWER HOUSE CONNECTIONS ON SITE UNLESS APPROVED BY HOWARD COUNTY.
- ALL WATER MAINS TO BE 12, 8", OR 6" DIP CLASS 52.
- THE EXISTING WELL AND SEPTIC SERVICING THE EXISTING HOUSE ARE TO BE ABANDONED.
- 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.

NOTE: WHERE WATER OR SEWER MAINS ARE WITHIN AN EASEMENT, THEY SHOULD BE LOCATED AT THE CENTER OF THE EASEMENT FOR ONE UTILITY OR 10' FROM THE BACK OF THE EASEMENT FOR TWO UTILITIES.

CONTRACT No. 24-3743-D

TAYLOR FARM SECTION TWO

LOTS 38 THRU 51 & BULK PARCEL "B" 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 AND SEWER PROFILES

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.

Richard W. Doyle, Sr. 12/14/99
DEVELOPER'S SIGNATURE DATE
RICHARD W. DOYLE, SR.
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.

Cheng-Ho Lin 12/14/99
ENGINEER'S SIGNATURE DATE
CHENG-HO LIN
ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
Cheryl Simon/GS 1/12/00
USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.
John Selig 1/12/00
HOWARD SCD DATE



PLAN REFERENCE NUMBERS

F-98-141	P-98-02
F-99-125	WP-98-19
S-95-21	

F:\98085\DWG\FINAL\WBS.DWG

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) 987-0286 Bulk (301) 621-5521 Wash. (410) 987-0286 Fax

engineering	FCL				
illustration	FCL				
approval					
project	96085				
date	12/9/99	BY	NO.	REVISION	DATE

TITLE SHEET

TAYLOR FARM, SECTION TWO
LOT 38 THRU 51 & BULK PARCEL "B"
CONTRACT No. 24-3743-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale AS SHOWN
1 OF 3

Robert Brinner 1-10-00
CHIEF, BUREAU OF UTILITIES DATE

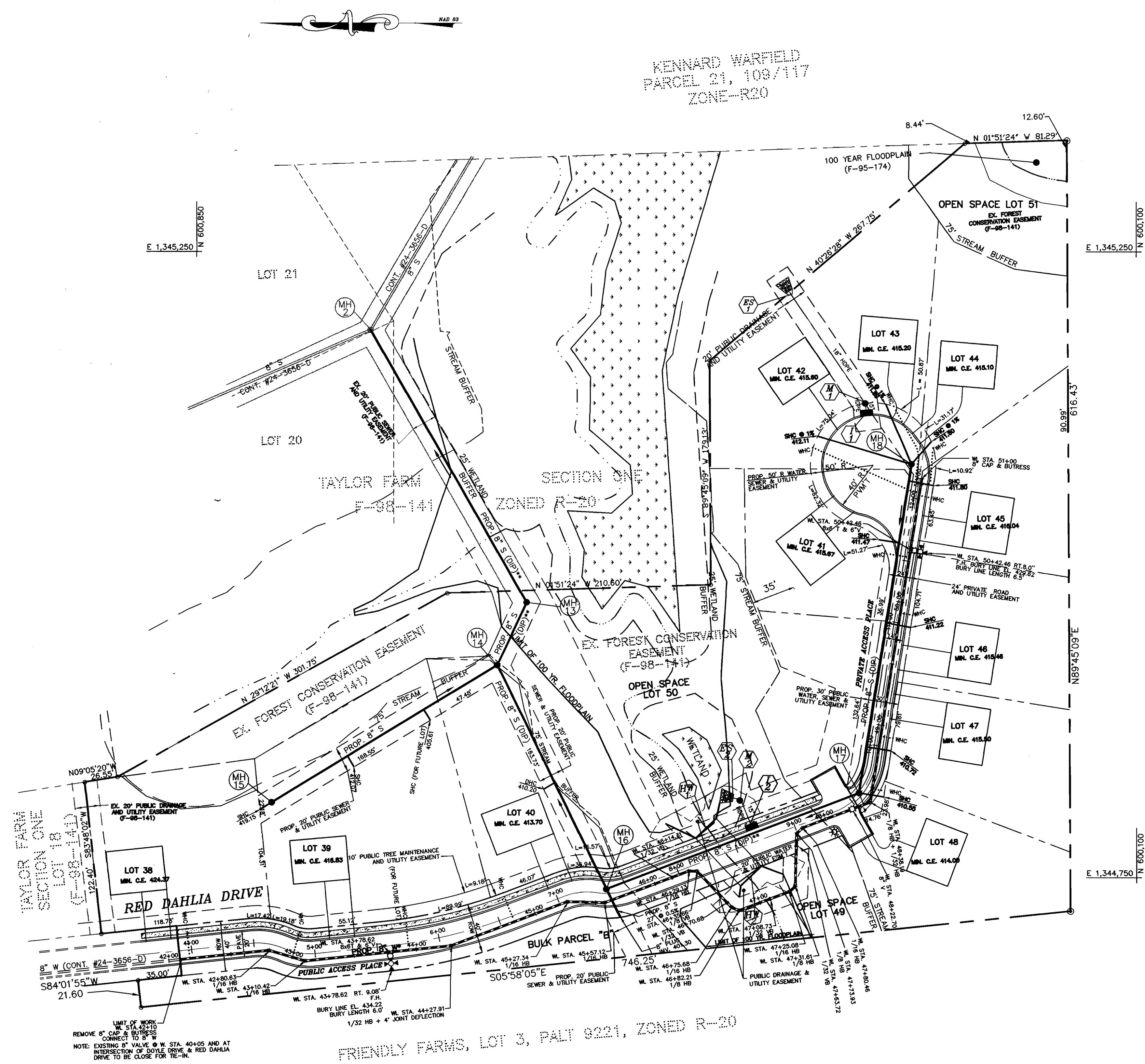
John Selig 1/14/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MANHOLE LOCATION CHART

MH #	ROAD OR NORTHING & EASTING	CL STATION	OFFSET
2	N 600,711.4182, E 1,345,187.2794		
13	N 600,586.7315, E 1,344,969.7436		
14	N 600,610.3325, E 1,344,919.3325		
15	N 600,790.5628, E 1,344,809.6577		
16	RED DAHLIA DRIVE	7+39.54	3.48' LT.
17	RED DAHLIA DRIVE	9+58.81	0.92' LT.
18	RED DAHLIA DRIVE	12+26.66	8.00' LT.

WATER MAIN TABULATION CHART

RED DAHLIA DRIVE		
APPURTENANCE	CL STATION	OFFSET
1/16 HB	4+63.14	5.0' RT.
1/16 HB	4+92.24	5.77' RT.
8x6 T	5+59.53	5.0' RT.
F.H.	5+59.53	13.0' RT.
1/32 HB + 4" JOINT DEFLECTION	6+07.86	8.47' RT.
1/16 HB	7+06.34	5.0' RT.
1/16 HB	7+38.66	7.54' RT.
1/32 VB	8+16	3.0' RT.
1/16 HB	8+21	3.0' RT.
1/8 HB	8+66	3.0' RT.
1/32 VB	8+92.3	3.0' RT.
1/16 HB	9+46.51	4.81' RT.
1/8 HB	9+54.87	8.16' RT.
1/32 VB	11+58.87	10' RT.
1/16 HB	11+59	3.22' RT.
1/8 HB	12+28.49	5.22' RT.
1/32 VB	8+21	3.0' RT.
1/8 HB	8+66	3.0' RT.
1/16 HB	8+92.3	3.0' RT.
8" V	9+46.51	4.81' RT.
1/8 HB + 1/32 HB	9+59	10.31' RT.
F.H.	11+58.87	10' RT.
8x6 T & 6" V	11+58.87	2.00' RT.
8" CAP & BUTRESS	12+16.64	2.00' RT.



OWNER/DEVELOPER
 TAYLOR FARM DEVELOPMENT CORP.
 2705 FALSTON ROAD
 FALSTON, MARYLAND 21047

PLAN REFERENCE NUMBERS
 F-98-141 P-98-02
 S-95-21 WP-98-19
 F-99-125 F-86-14
 F-89-235 SDP-98-16

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

Robert M. Boender
 CHIEF, BUREAU OF UTILITIES 1-10-02 DATE

Michael J. Boender
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 1/14/02 DATE

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorney Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0286 Ball. (301) 621-5521 Wash. (410) 997-0288 Fax.

engineering	FCL				
illustration	FCL				
approval					
project	96085				
date	12/9/99	BY	NO.	REVISION	DATE

WATER & SEWER PLAN

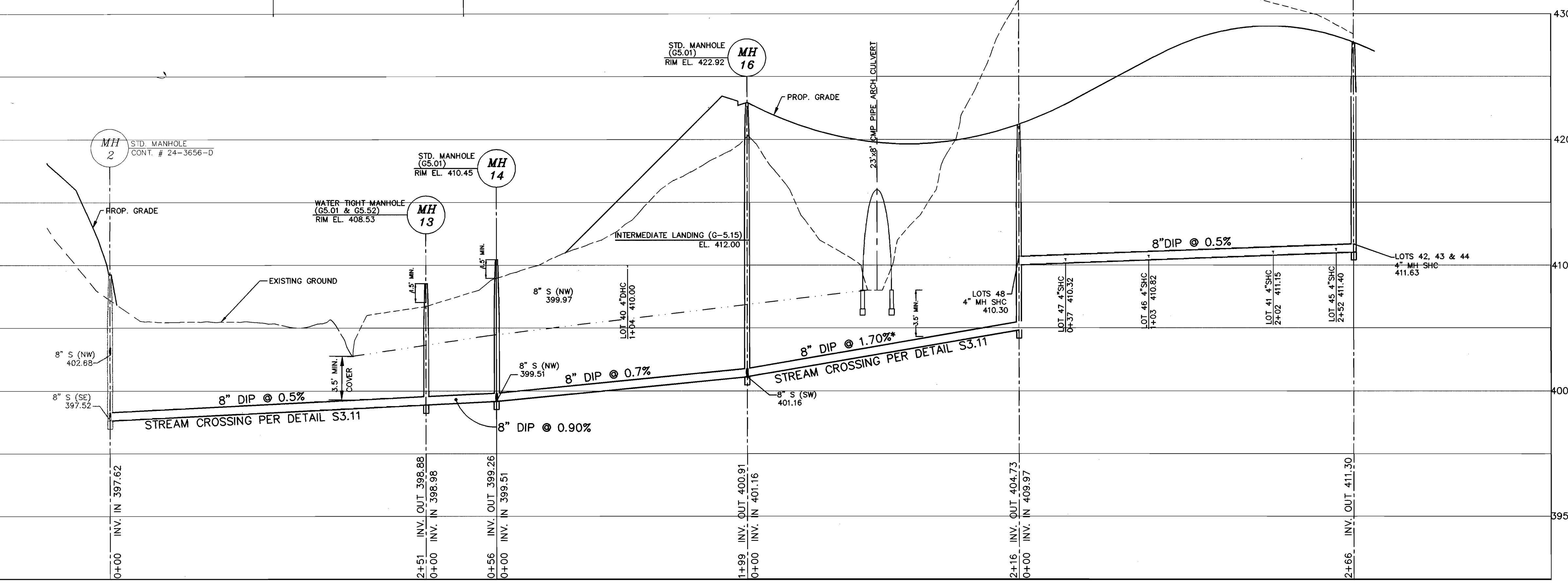
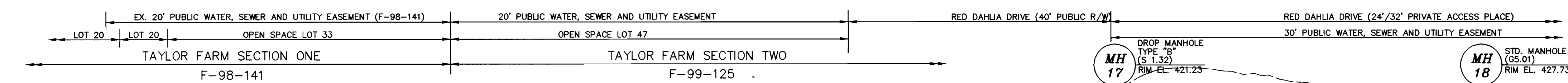
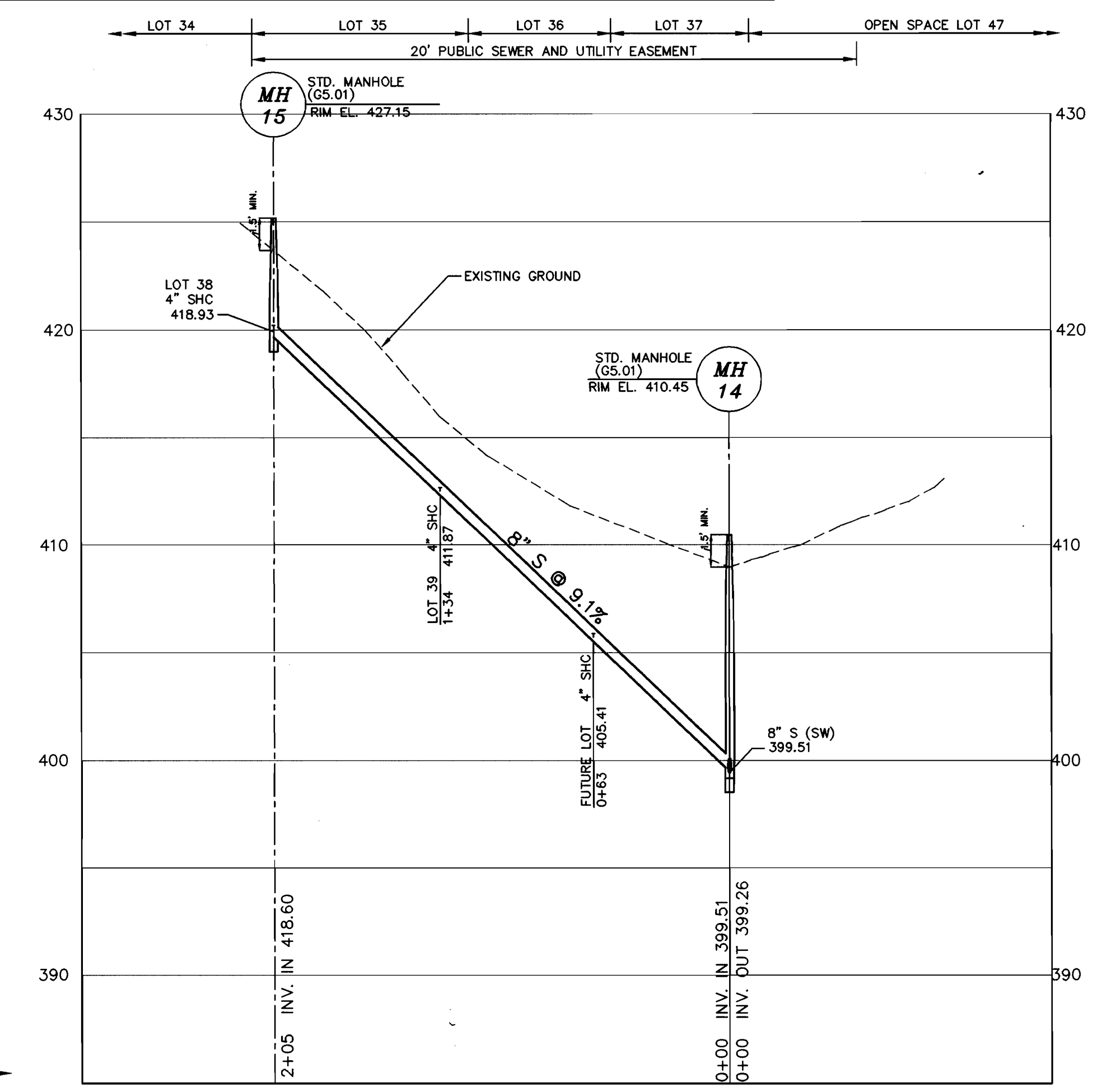
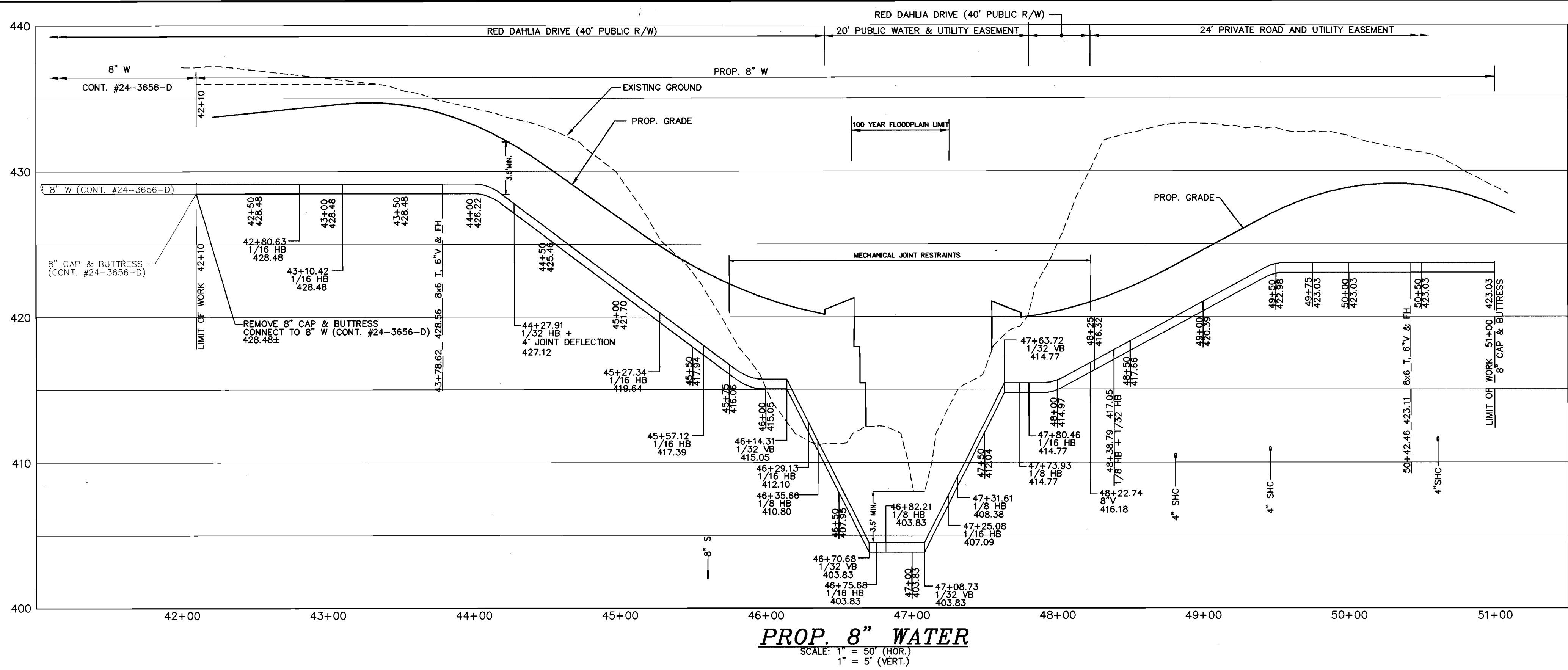
600' SCALE MAP NO. 16 BLOCK NO. 5

TAYLOR FARM, SECTION TWO
 LOTS 38 THRU 51 & BULK PARCEL "B"
 CONTRACT No. 24-3743-D
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

scale
 1"=50'
 2 OF 3

*NOTE: MECHANICAL JOINT RESTRAINTS BETWEEN STA. 45+75 AND STA. 48+23.
 **SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH *STREAM CROSSING DETAILS (S 3.11).

F:\96085\DWG\FINAL\WWS\PLAN-1



PROP. 8" SEWER
SCALE: 1" = 50' (HOR.)
1" = 5' (VERT.)

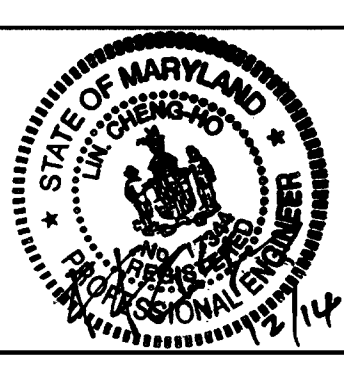
PROP. 8" SEWER
SCALE: 1" = 50' (HOR.)
1" = 5' (VERT.)

F:\19608\DWG\FINAL\W&S\UPROF1

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
1-10-00
DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
1/14/00
DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax: (301) 821-5321 Wash. (410) 997-0288 Fax



engineering	PCL				
illustration	PCL				
approval					
project	96085				
date	12/9/99	BY	NO.	REVISION	DATE

WATER AND SEWER PROFILES
600' SCALE MAP NO. 16 BLOCK NO. 5

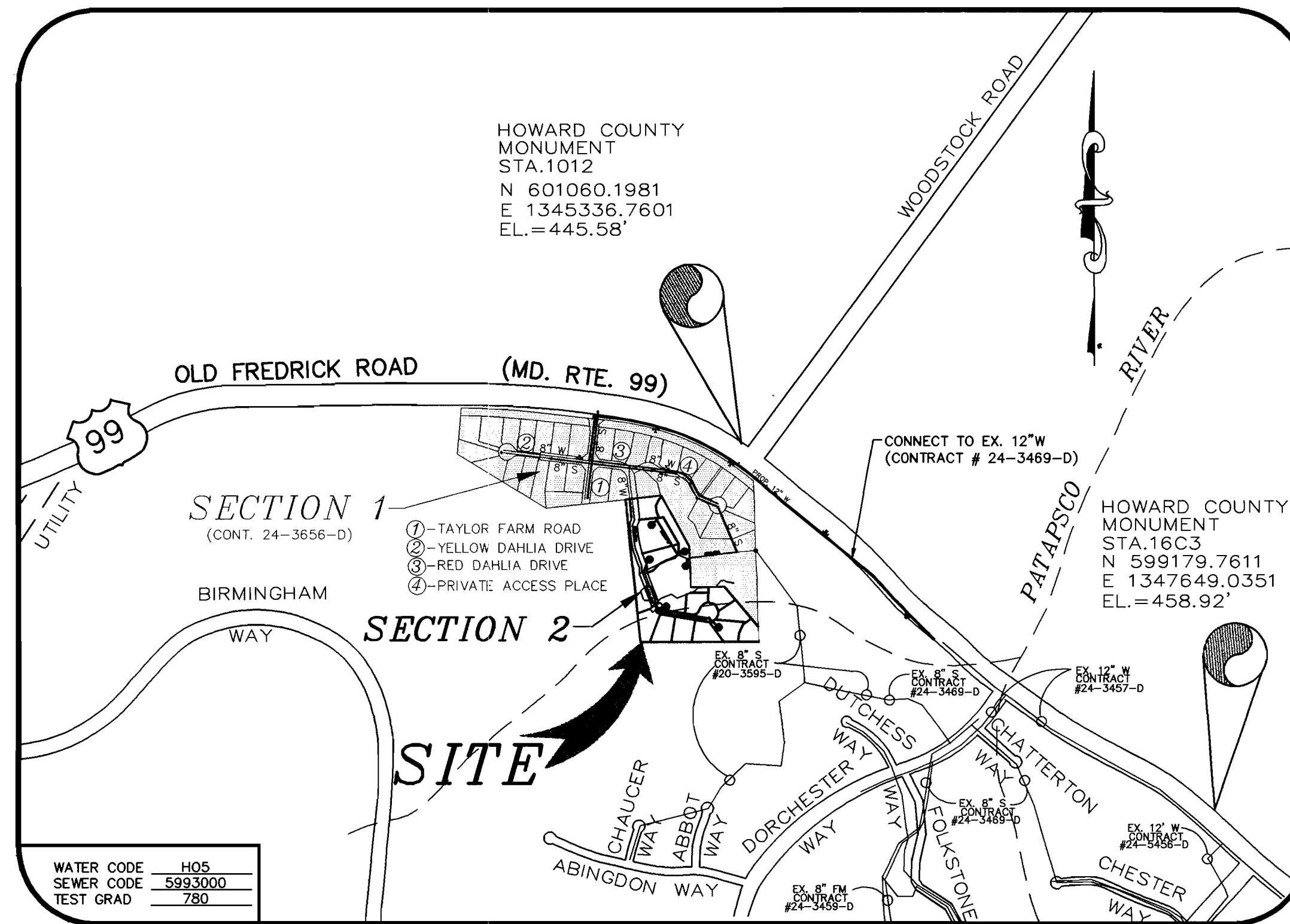
TAYLOR FARM, SECTION TWO
LOTS 38 THRU 51 & BULK PARCEL "B"
CONTRACT No. 24-3743-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale AS SHOWN
3 OF 3

OWNER & DEVELOPER
TAYLOR FARM DEVELOPMENT CORP.
RICHARD DOYLE, PRESIDENT
2705 FALSTON ROAD
FALSTON, MD 21047
CONTRACT No. 24-3743-D
TAYLOR FARM SECTION TWO
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES			MANUFACTURER/SUPPLIER
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER	
STD. MANHOLE	4 EACH	4	PRECAST	ATLANTIC PRECAST	
STD. WATER TIGHT MANHOLE	1 EACH	1	PC	" "	
TYPE B DROP MANHOLE "TYPE B"	1 EACH	1	PC	ATLANTIC PRECAST	
MANHOLE, VERTICAL FEET	48 L.F.				
8" SEWER MAIN (DIP)	988 L.F.	1015	TYTON JOINT	GRIFFIN	
8" SEWER MAIN	232 L.F.	211	PVC	JOHN'S MANVILLE	
4" SEWER HOUSE CONNECTION	291 L.F.	301	PVC, DIP	JOHN'S MANVILLE - GRIFFIN	
# SEWER HOUSE CONNECTIONS	6 EACH	6			
# DROP HOUSE CONNECTIONS	1 EACH	1			
# MH CONNECTIONS	5 EACH	5			
8" PLUG	1 EACH	1			
8" WATER	890 L.F.	890	DIP TYTON JT	GRIFFIN	
6" WATER	16 L.F.	13	"	"	
1" WATER HOUSE CONNECTION	370 L.F.	395	" K"	READING TUBE	
F.H.	2 EACH	2		MUELLER CO.	
8"x 6" T	2 EACH	2		U.S. PIPE	
6" V	2 EACH	2		MUELLER CO.	
8" V	1 EACH	1		" "	
4" JOINT DEFLECTION (8")	1 EACH	1			
8" CAP & BUTTRESS	1 EACH	1		U.S. PIPE	
# 1" WHC	12 EACH	12		MUELLER CO.	
1/16 H.B. (8")	4 EACH	8	M.J.	U.S. PIPE	
1/8 H.B. (8")	1 EACH	5	"	" "	
1/32 H.B. (8")	2 EACH	1	"	" "	
1/32 V.B. (8")	4 EACH	4	M.J.	U.S. PIPE	
NAME OF UTILITY CONTRACTOR: (CCS) CONSOLIDATED CONSTRUCTION SERVICES, INC.					
SURVEY AND DRAFTING DIVISION AS-BUILT DATE					



VICINITY MAP

SCALE : 1' = 600'

EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER F-99-125

TYPE OF BUILDING RESIDENTIAL, SINGLE FAMILY DETACHED	14 (11 BUILDABLE)
No. OF UNITS	14
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- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2" COVER UNLESS OTHERWISE NOTED.
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- COMPACTION IN FILL AREAS TO BE 95% AS DETERMINED PER AASHTO T-180.

NOTE: WHERE WATER OR SEWER MAINS ARE WITHIN AN EASEMENT, THEY SHOULD BE LOCATED AT THE CENTER OF THE EASEMENT FOR ONE UTILITY OR 10' FROM THE BACK OF THE EASEMENT FOR TWO UTILITIES.

**CONTRACT No. 24-3743-D
TAYLOR FARM
SECTION TWO**

**LOTS 38 THRU 51 & BULK PARCEL "B"
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 AND SEWER PROFILES

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.

Richard W. Doyle, Sr. 12/14/99
DEVELOPER'S SIGNATURE DATE
RICHARD W. DOYLE, SR.
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.

Cheng-Ho Lin 12/14/99
ENGINEER'S SIGNATURE DATE
CHENG-HO LIN
ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

Cheryl Simon/GS 1/12/00
USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John Selig 1/12/00
HOWARD SCD DATE



PLAN REFERENCE NUMBERS

F-98-141	P-98-02
F-99-125	WP-98-19
S-95-21	

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Brunner 1-10-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

John Selig 1/14/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0296 Fax.

engineering	FCL			
illustration	FCL			
approval				
project	96085	JMT	1	PER AS-BUILT
date	12/9/99	BY	NO.	REVISION

TITLE SHEET

600' SCALE MAP NO. 16 BLOCK NO. 5

TAYLOR FARM, SECTION TWO
LOT 38 THRU 51 & BULK PARCEL "B"
CONTRACT No. 24-3743-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

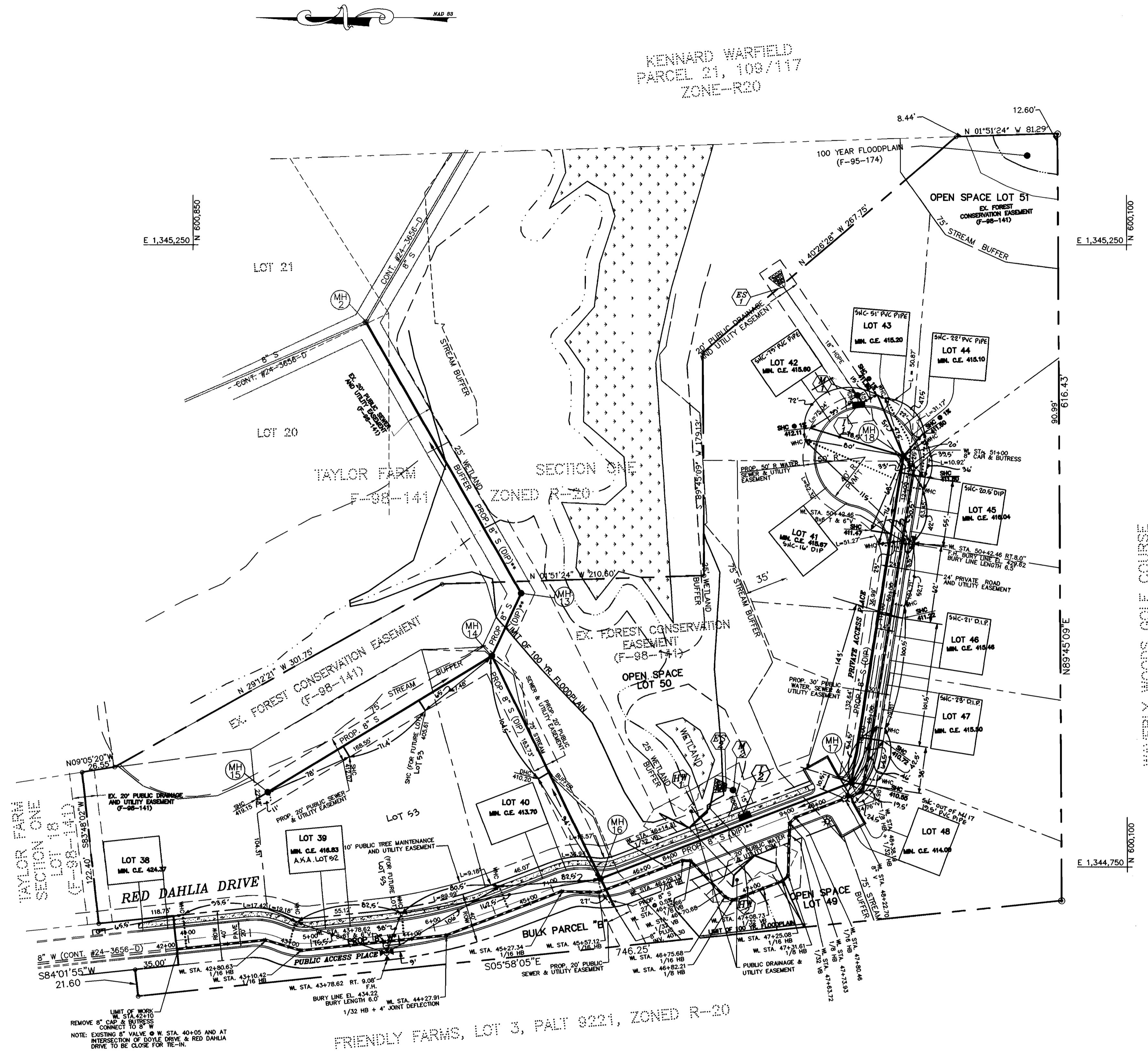
scale AS SHOWN
1 OF 3

MANHOLE LOCATION CHART

MH #	ROAD OR NORTHING & EASTING	CL STATION	OFFSET
2	N 600,711.4182, E 1,345,187.2794		
13	N 600,586.7315, E 1,344,969.7436		
14	N 600,610.3325, E 1,344,919.3325		
15	N 600,790.5628, E 1,344,809.6577		
16	RED DAHLIA DRIVE	7+39.54	3.48' LT.
17	RED DAHLIA DRIVE	9+58.81	0.92' LT.
18	RED DAHLIA DRIVE	12+26.66	8.00' LT.

WATER MAIN TABULATION CHART

RED DAHLIA DRIVE		
APPURTENANCE	CL STATION	OFFSET
1/16 HB	4+63.14	5.0' RT.
1/16 HB	4+92.24	5.77' RT.
8x6 T	5+59.53	5.0' RT.
F.H.	5+59.53	13.0' RT.
1/32 HB + 4" JOINT DEFLECTION	6+07.86	8.47' RT.
1/16 HB	7+06.34	5.0' RT.
1/16 HB	7+38.66	7.54' RT.
1/32 VB	8+16	3.0' RT.
1/16 HB	8+21	3.0' RT.
1/8 HB	8+66	3.0' RT.
1/32 VB	8+92.3	3.0' RT.
1/16 HB	9+46.51	4.81' RT.
1/8 HB	9+54.87	8.16' RT.
1/32 VB	11+58.87	10' RT.
1/16 HB	11+59	3.22' RT.
1/8 HB	12+28.49	5.22' RT.
1/32 VB	8+21	3.0' RT.
1/8 HB	8+66	3.0' RT.
1/16 HB	8+92.3	3.0' RT.
8" V	9+46.51	4.81' RT.
1/8 HB + 1/32 HB	9+59	10.31' RT.
F.H.	11+58.87	10' RT.
8x6 T & 6" V	11+58.87	2.00' RT.
8" CAP & BUTTRESS	12+16.64	2.00' RT.



OWNER/DEVELOPER
TAYLOR FARM DEVELOPMENT CORP.
2705 FALSTON ROAD
FALSTON, MARYLAND 21047

PLAN REFERENCE NUMBERS	
F-98-141	P-98-02
S-95-21	WP-98-19
F-99-125	F-86-14
F-89-235	SDP-98-16

*NOTE: MECHANICAL JOINT RESTRAINTS BETWEEN STA. 45+75 AND STA. 48+23.
**SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH "STREAM CROSSING DETAILS (S 3.11).

CONTRACT No. 24-3743-D
TAYLOR FARM SECTION TWO
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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 Fax: (301) 821-5221 Wash. (410) 997-0298 Fax

engineering	FCL				
illustration	FCL				
approval					
project	96085	JMT	-I	PER AS-BUILT	10-3-01
date	12/9/99	BY	NO.	REVISION	DATE

WATER & SEWER PLAN

TAYLOR FARM, SECTION TWO
LOTS 38 THRU 51 & BULK PARCEL "B"

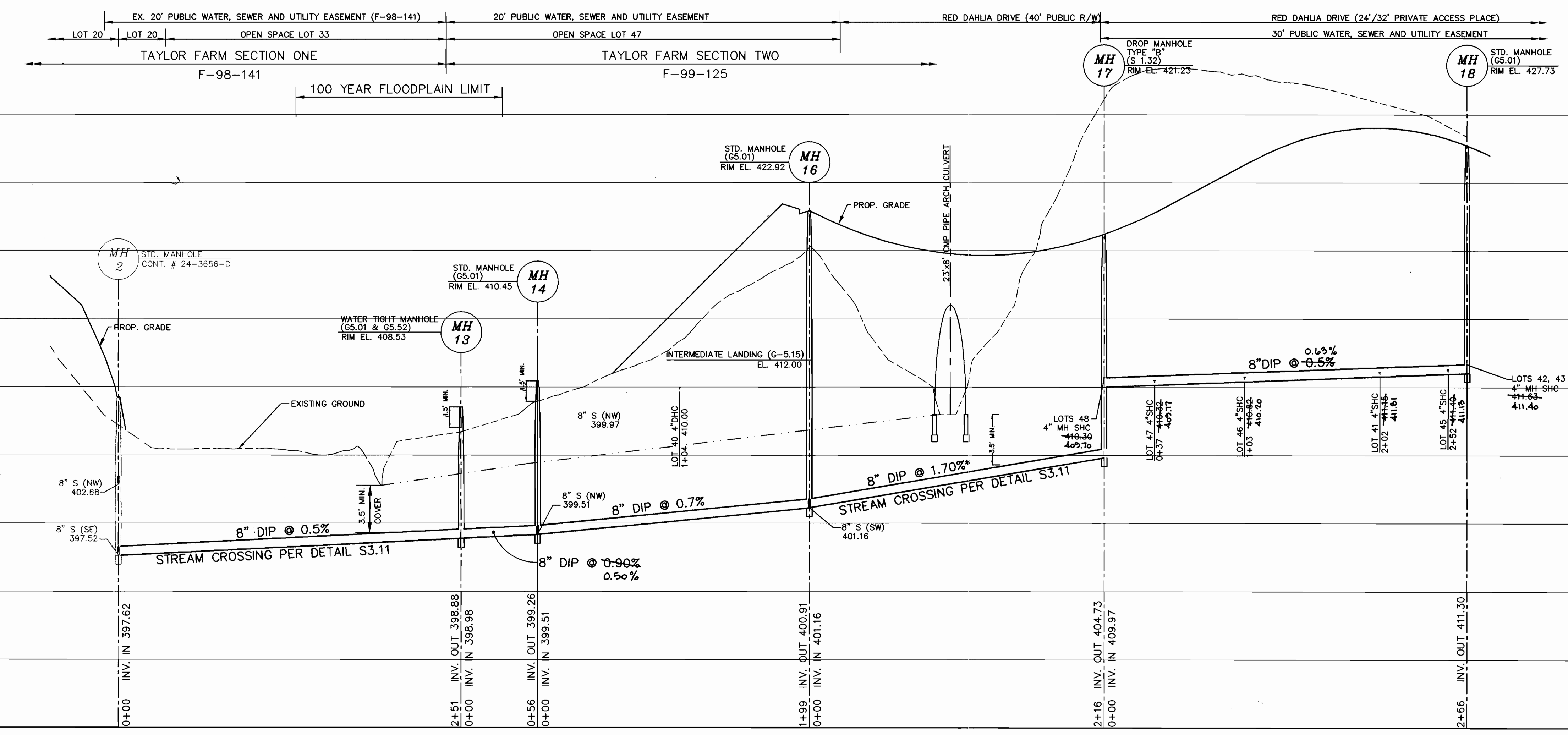
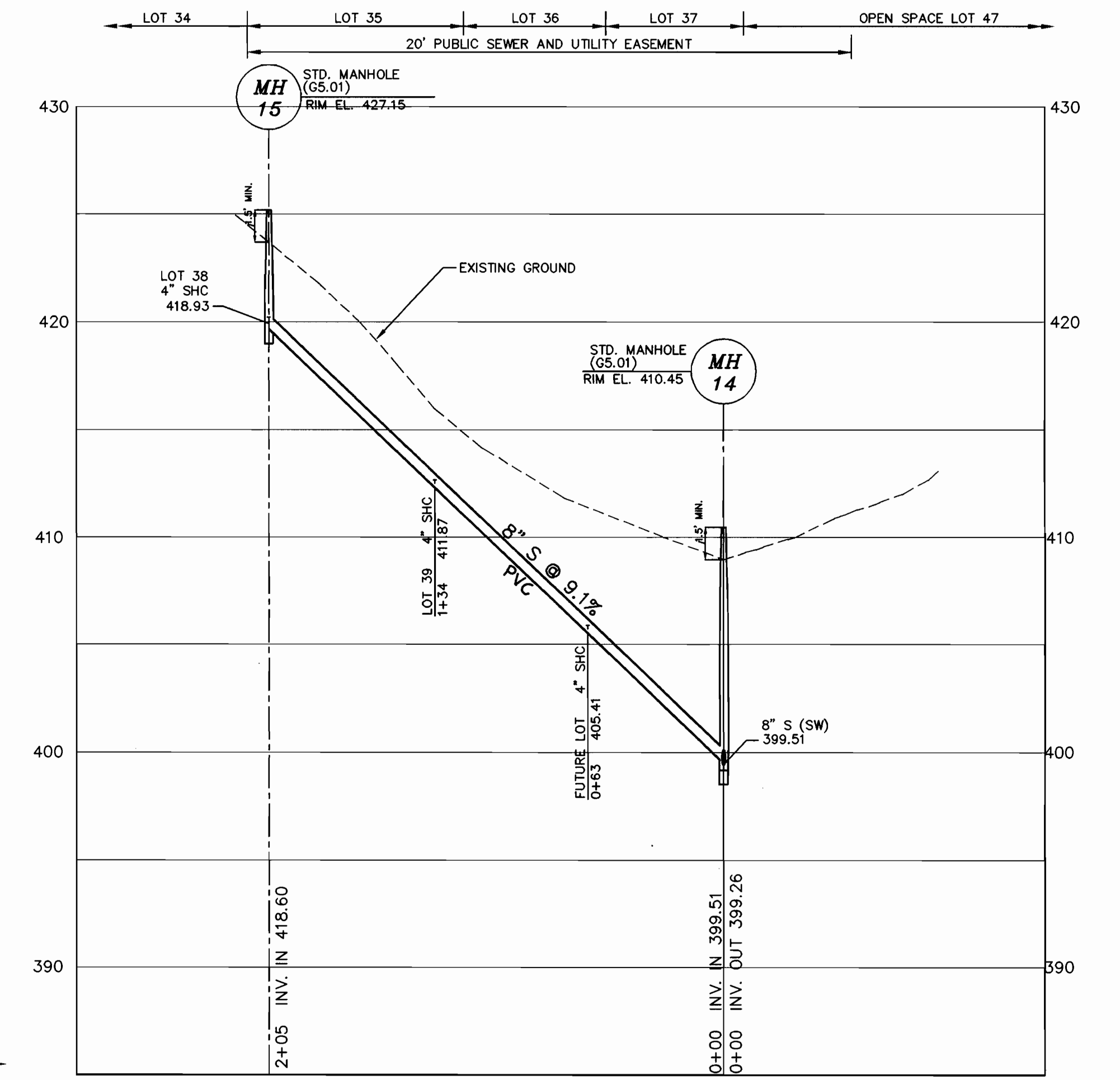
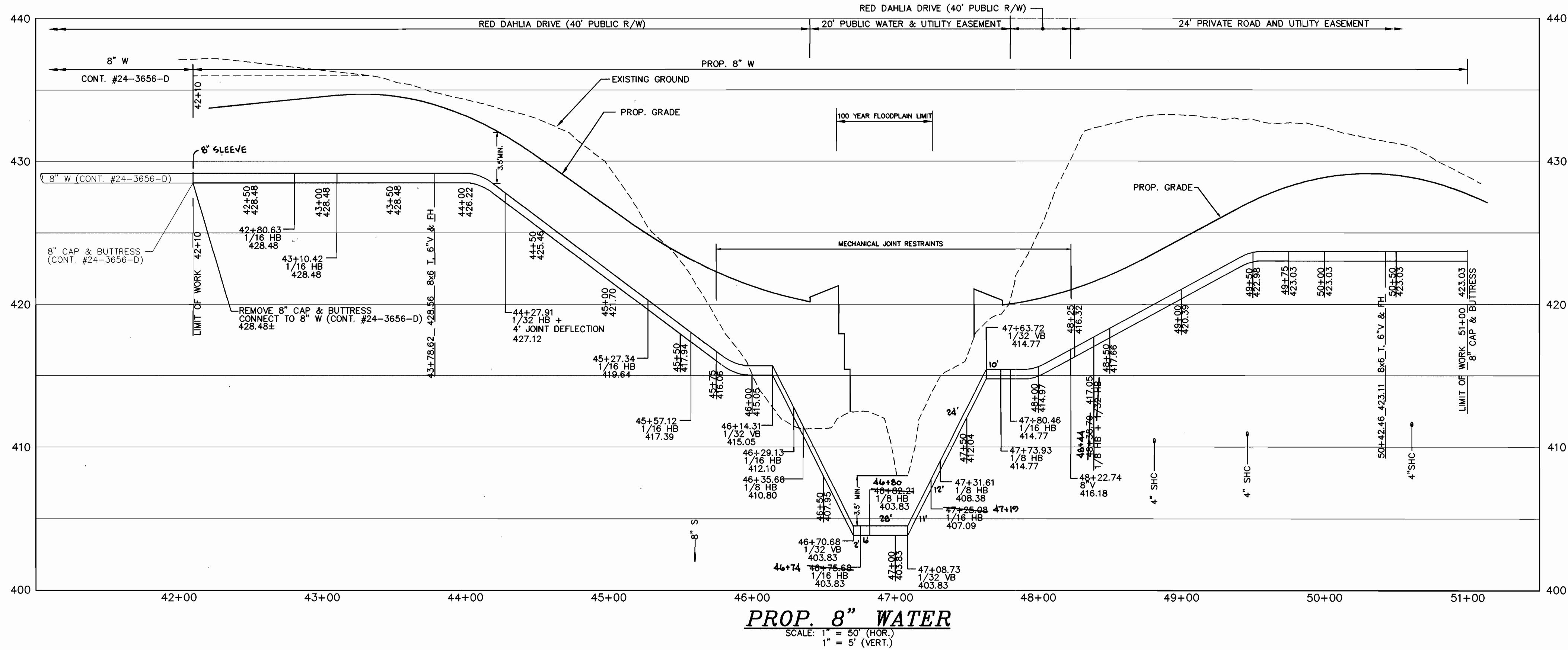
CONTRACT No. 24-3743-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
1"=50'
2 OF 3

F:\96085\DWG\FINAL\WMS\PLAN-1

Robert J. Boender
CHIEF, BUREAU OF UTILITIES
1-10-00
DATE

Michael J. Milberg
CHIEF, DEVELOPMENT ENGINEERING DIVISION
1/14/00
DATE



PROP. 8" SEWER
SCALE: 1" = 50' (HOR.)
1" = 5' (VERT.)

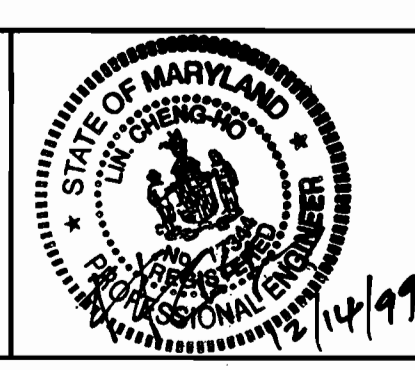
PROP. 8" SEWER
SCALE: 1" = 50' (HOR.)
1" = 5' (VERT.)

F:\96085\DWG\FINAL\WKS\SPROFIT

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Richard Doyle
1-10-02
DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Richard Doyle
1/14/02
DATE

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Bulk (301) 821-5521 Wash. (410) 997-0298 Fax



engineering	FCL				
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project	96085	JMT	1	PER AS-BUILT	10-3-01
date	12/9/99	BY	NO.	REVISION	DATE

WATER AND SEWER PROFILES
600' SCALE MAP NO. 16 BLOCK NO. 5

TAYLOR FARM, SECTION TWO
LOTS 38 THRU 51 & BULK PARCEL "B"
CONTRACT No. 24-3743-D
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale
AS SHOWN
3 OF 3

OWNER & DEVELOPER
TAYLOR FARM DEVELOPMENT CORP.
RICHARD DOYLE, PRESIDENT
2705 FALSTON ROAD
FALSTON, MD 21047
CONTRACT No. 24-3743-D
TAYLOR FARM SECTION TWO
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND