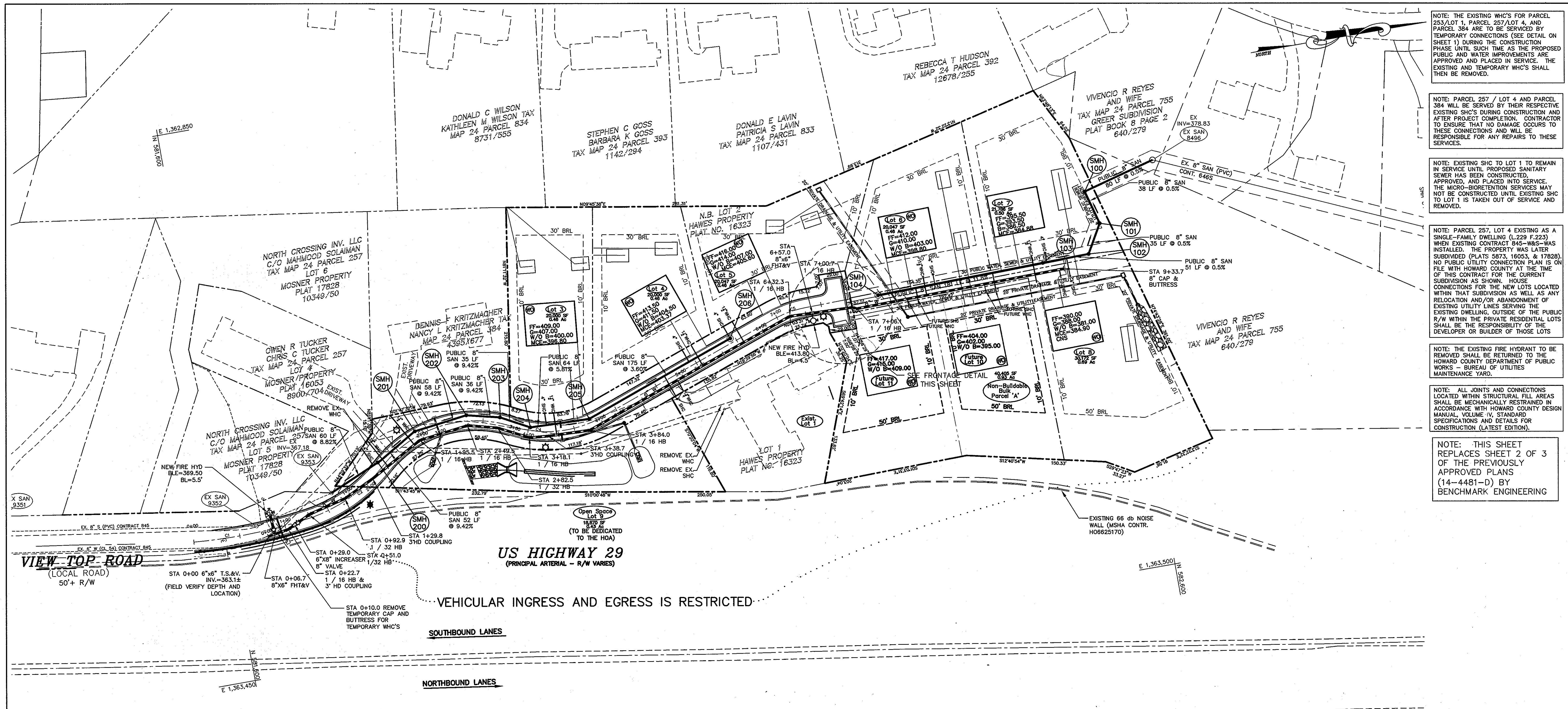




SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

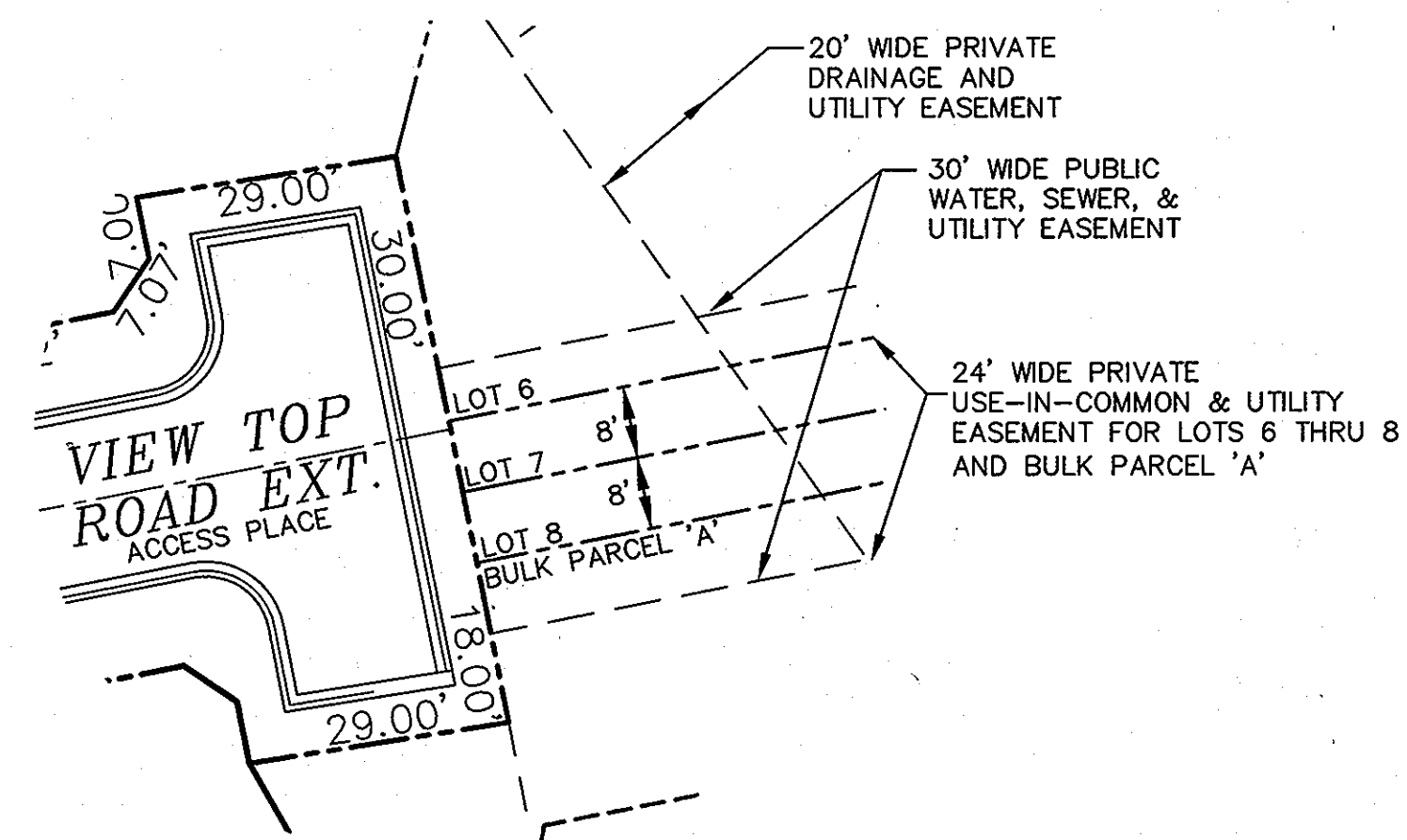
LOT #	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1 (EXIST.)	VIEW TOP ROAD		
3	VIEW TOP ROAD		
4	VIEW TOP ROAD		
5	VIEW TOP ROAD		
6	VIEW TOP ROAD		
7	VIEW TOP ROAD		
8	VIEW TOP ROAD		
4 (PARCEL 257-MOSNER)	VIEW TOP ROAD		

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

LOT #	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1 (EXIST.)	VIEW TOP ROAD		
3	VIEW TOP ROAD		
4	VIEW TOP ROAD		
5	VIEW TOP ROAD		
6	VIEW TOP ROAD		
7	VIEW TOP ROAD		
8	VIEW TOP ROAD		
PARCEL 384	VIEW TOP ROAD		
4 (PARCEL 257-MOSNER)	VIEW TOP ROAD		
5 (PARCEL 257-MOSNER)	VIEW TOP ROAD		

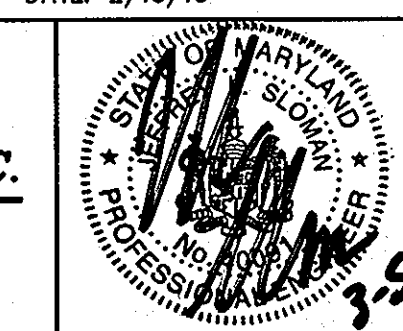
SEWER HOUSE CONNECTION DATA TABLE

LOT #	SLOPE	INV. @ R/W OR EASEMENT	MIN. CELLAR ELEV.
1 (EXIST.)	2.0%	398.27	404.33
3	2.0%	391.69	398.80
4	2.0%	399.17	403.37
5	2.0%	401.02	405.60
6	2.0%	394.64	398.80
7	2.0%	380.54	384.88
8	2.0%	380.83	384.90 (CNS)
4 (PARCEL 257-MOSNER)	2.0%	372.92	382.71



FRONTAGE DETAIL 'A'
SCALE: 1"=20'

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 40091, EXPIRATION DATE: 2/13/13



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illustration
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approval
RJH
project
10-024
date
DEC 2011

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HOWARD COUNTY, MARYLAND

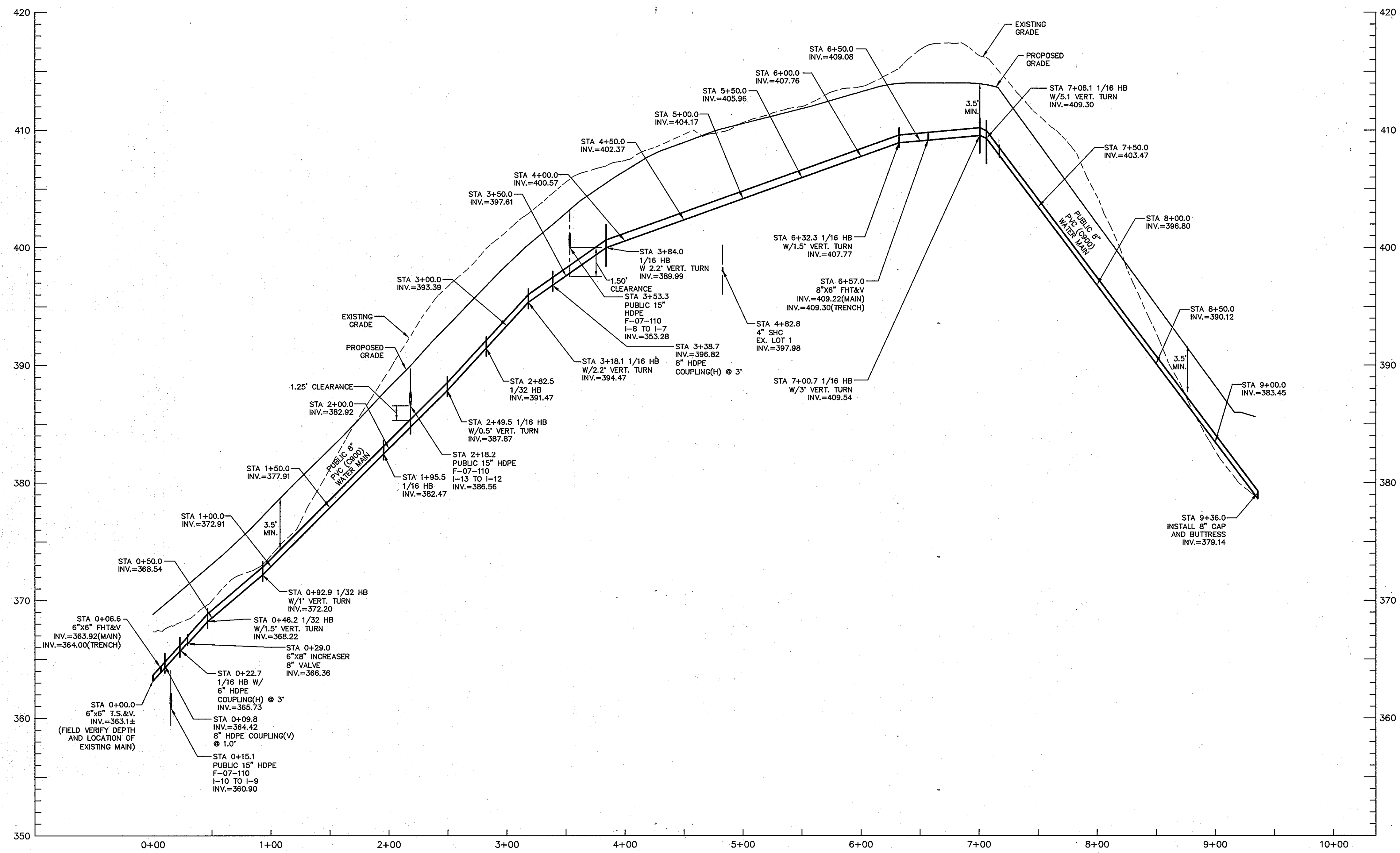
DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors
8800 Deepwater Road, Suite 150, Ellicott City, Maryland 21075
(410) 997-0296 Fax: (410) 997-0298 Fax

**WATER AND SEWER PLAN
PROPOSED CONDITION**

HAWES PROPERTY
LOTS 3 THRU 8, O.S. LOT 9, UNBUILDABLE BULK PARCEL 'A'
CONTRACT 14-4481-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

scale



WATER MAIN PROFILE

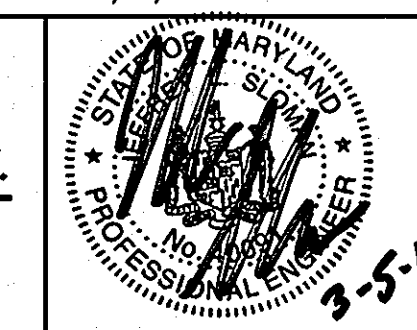
SCALE 1"=50' HOR
1"=5' VER

WATER MAIN APPURTENANCE TABLE

APPURTENANCE	STATION / LOCATION	OFFSET
6"x6" T.S.&V.	VIEW TOP ROAD / STA 0+79.9	7.0' R
6"x6" TEE FOR FIRE HYDRANT	VIEW TOP ROAD / STA 0+87.1	6.2' R
TEMPORARY CAP AND BUTTRESS REMOVAL	VIEW TOP ROAD / STA 0+89.7	5.9' R
1 / 16 HB & 3" HDPE COUPLING	VIEW TOP ROAD / STA 1+02.3	4.9' R
6"x8" INCREASER / 8" WATER VALVE	VIEW TOP ROAD / STA 1+08.2	2.9' R
1 / 32 HB	VIEW TOP ROAD / STA 1+24.3	3.5' L
1 / 32 HB	VIEW TOP ROAD / STA 1+71.9	2.2' L
3" HDPE COUPLING	VIEW TOP ROAD / STA 2+09.0	0.6' R
1 / 16 HB	VIEW TOP ROAD / STA 2+76.2	5.3' R
1 / 16 HB	VIEW TOP ROAD / STA 3+32.9	4.9' R
1 / 32 HB	VIEW TOP ROAD / STA 3+67.1	5.6' R
1 / 16 HB	VIEW TOP ROAD / STA 4+02.5	7.9' R
3" HDPE COUPLING	VIEW TOP ROAD / STA 4+21.8	4.8' R
1 / 16 HB	VIEW TOP ROAD / STA 4+65.1	7.3' R
1 / 16 HB	VIEW TOP ROAD / STA 7+13.3	4.1' R
8"x6" TEE FOR FIRE HYDRANT	VIEW TOP ROAD / STA 7+38.8	7.3' R
1 / 16 HB	VIEW TOP ROAD / STA 7+82.5	9.6' R
1 / 16 HB	N 582,310.7413 E 1,363,167.3007	
8" CAP AND BUTTRESS	N 582,538.3073 E 1,363,163.7112	

NOTE: THIS SHEET
REPLACES SHEET 3 OF 3
OF THE PREVIOUSLY
APPROVED PLANS
(14-4481-D) BY
BENCHMARK ENGINEERING

I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME AND
THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF
MARYLAND. LICENSE NO.: 40091, EXPIRATION
DATE: 2/13/13



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illustration JLS					
approval RJH					
project 10-024					
date DEC 2011	BY	NO.	REVISION	DATE	

WATER PROFILES

600' SCALE MAP NO. 24 BLOCK NO. 17

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

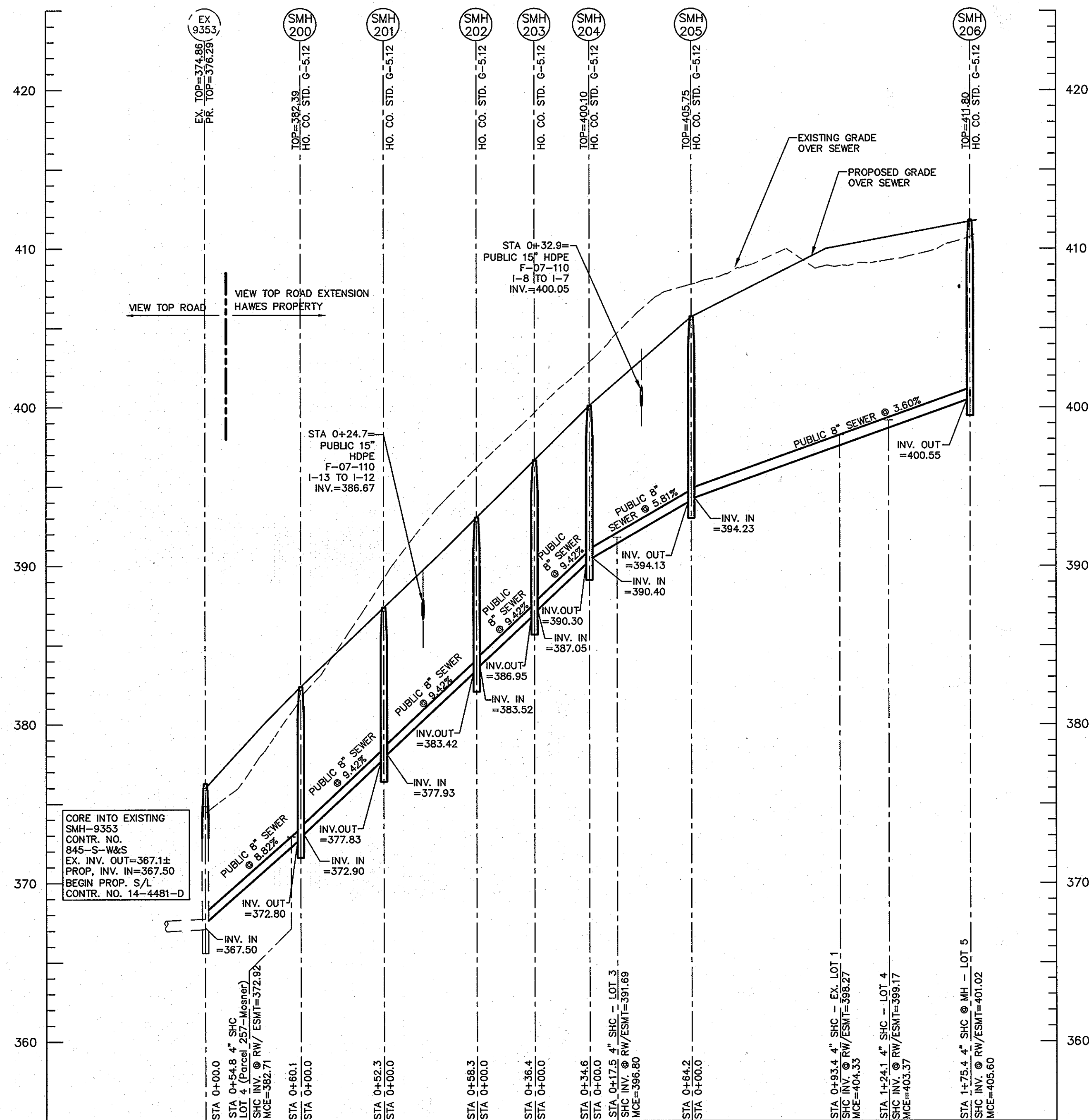
Silvia Chan 2/22/12
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

M. Williams 4/26/12
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

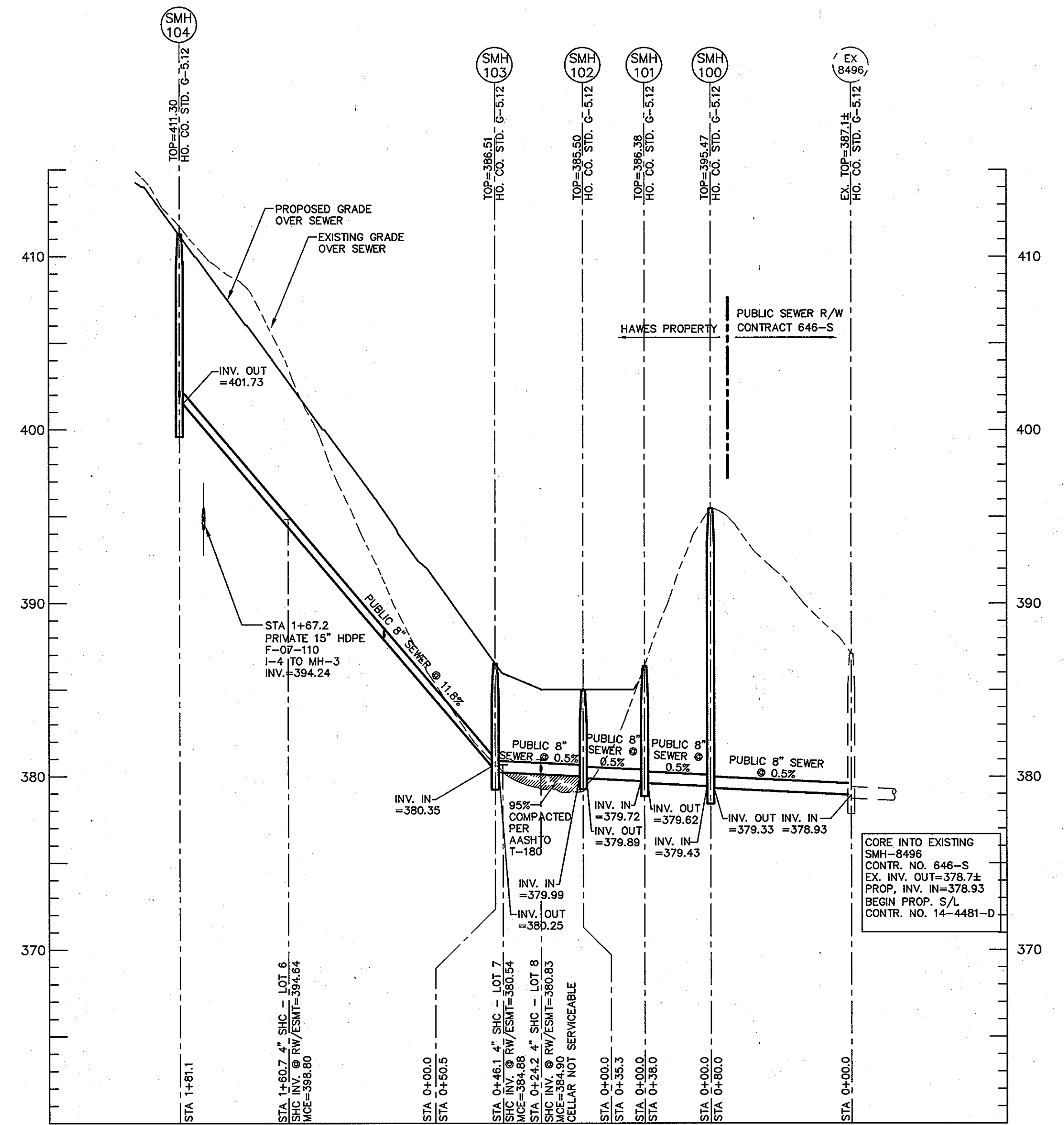
**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors
6800 Deepwater Road, Suite 150, ElkrIDGE, Maryland 21075
(410) 997-0296 Bulk (410) 997-0298 Fax

HAWES PROPERTY
LOTS 3 THRU 8, O.S. LOT 9, UNBUILDABLE BULK PARCEL 'A'
CONTRACT 14-4481-D
SECOND ELECTION DISTRICT
HOWARD COUNTY



SANITARY SEWER PROFILE - SMH 204 TO EXSMH 9353

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



SANITARY SEWER PROFILE - SMH 104 TO EXSMH 8496

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

SEWER MANHOLE TABLE

MANHOLE	STATION / LOCATION	OFFSET
SMH 100	N 582,574.98 E 1,363,085.42	
SMH 101	N 582,584.91 E 1,363,122.06	
SMH 102	N 582,567.33 E 1,363,152.65	
SMH 103	N 582,516.85 E 1,363,153.56	
SMH 104	N 582,310.79 E 1,363,157.39	
SMH 200	VIEW TOP ROAD / STA 2+26.2	6.7' L
SMH 201	VIEW TOP ROAD / STA 2+76.4	6.0' L
SMH 202	VIEW TOP ROAD / STA 3+32.4	6.3' L
SMH 203	VIEW TOP ROAD / STA 3+67.3	6.1' L
SMH 204	VIEW TOP ROAD / STA 4+01.9	3.4' L
SMH 205	VIEW TOP ROAD / STA 4+69.0	4.3' L
SMH 206	VIEW TOP ROAD / STA 6+44.9	5.0' L

NOTE: THIS SHEET REPLACES SHEET 3 OF 3 OF THE PREVIOUSLY APPROVED PLANS (14-4481-D) BY BENCHMARK ENGINEERING

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 40091, EXPIRATION DATE: 2/13/13

engineering JLS
illustration JLS
approval RJH
project 10-024
date DEC 2011

BY NO. REVISION DATE

600' SCALE MAP NO. 24 BLOCK NO. 17

SEWER PROFILES

HAWES PROPERTY
LOTS 3 THRU 8, O.S. LOT 9, UNBUILDABLE BULK PARCEL 'A'
CONTRACT 14-4481-D
SECOND ELECTION DISTRICT
HOWARD COUNTY

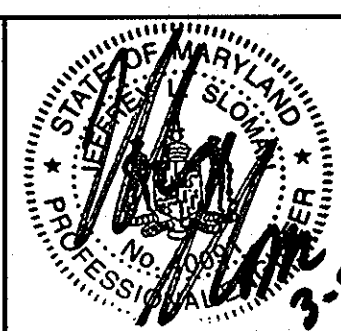
scale

4 OF 4

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

**MILDENBERG,
BOENDER & ASSOC., INC.**
Engineers Planners Surveyors
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(410) 897-0298 (410) 897-0298 Fax



Chief, Bureau of Utilities
DATE 12/21/12

Chief, Development Engineering Division
DATE 12/21/12