

VILLAGE OF RIVER HILL

WATER MAIN


SECTION 4 ♦ AREA 1 ♦ PARCEL A-3

CONTRACT NO. 44-3935-D

5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

PART I - GENERAL

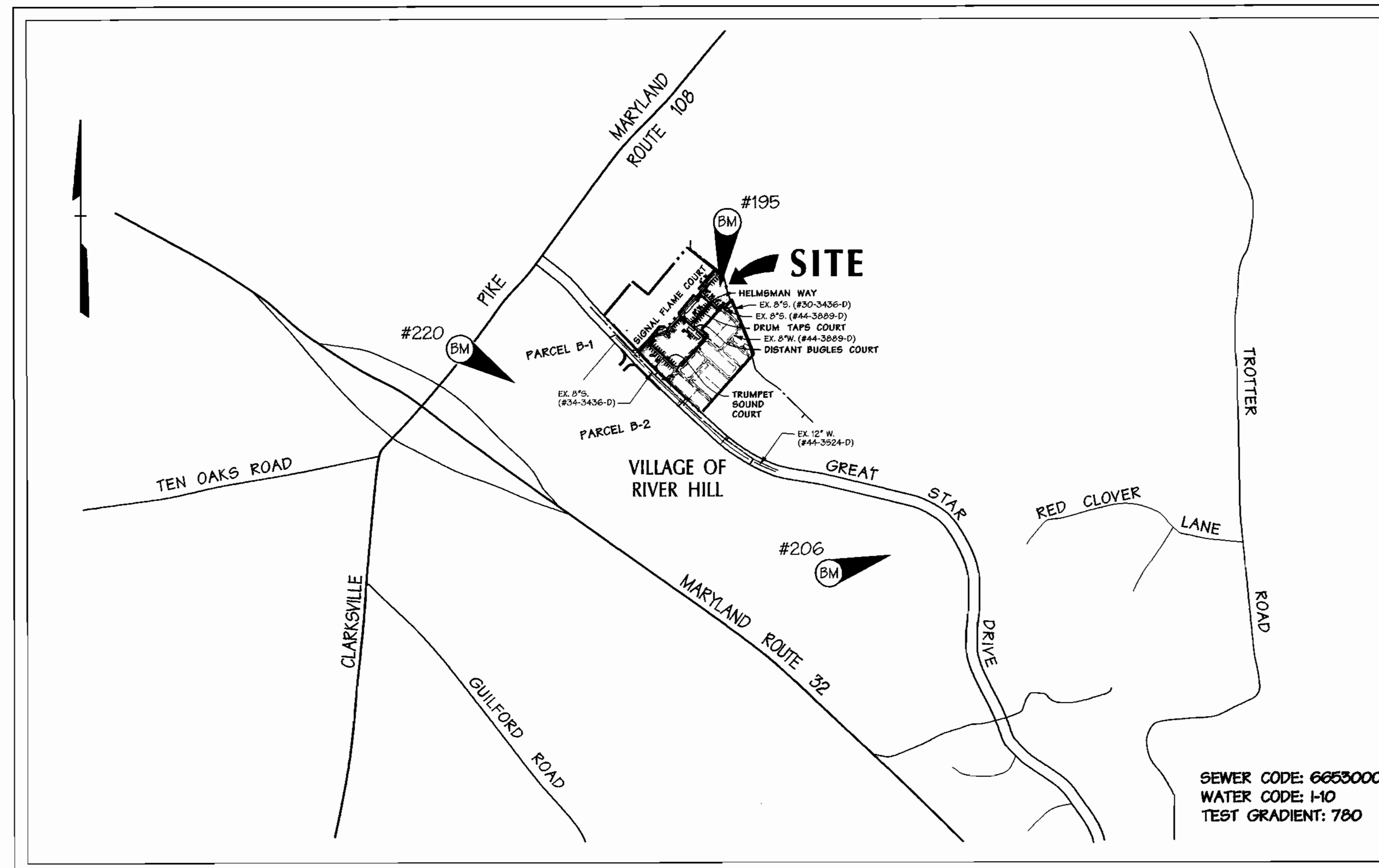
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES (NAD '83).
- 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" MIN. OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED UTILITY COMPANIES AND MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON DRAWINGS. IN EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO SCHEDULE BRACING OF POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. 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 UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION - (410) 531-5533
 - BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - (410) 850-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL - (410) 787-9068
 - MSS UTILITY - 1-800-257-7777
 - BELL ATLANTIC - 1-800-446-5266
 - COLONIAL PIPELINE CO. - (410) 795-1330
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - (410) 313-4900
- 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.
- 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 18.11(a) OF THE HOWARD COUNTY CODE.

PART II - WATER

- 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 THE PLANS OR IN THE SPECIFICATIONS.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153. DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND OTHER LIQUIDS.
- ALL EXISTING VALVES TO BE CLOSED WHEN CONNECTION TO THE SYSTEM IS MADE.
- SPRINKLER SYSTEMS FOR ALL TOWNHOMES OR MULTI-FAMILY DWELLING UNITS SHALL HAVE A MINIMUM OF 1" CONNECTION WITH A 3/4" METER.

SHEET INDEX	
NO.	PLAN
1 OF 3	TITLE SHEET
2 OF 3	WATER PLAN
3 OF 3	WATER PROFILES

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
4" D.I.P.	237'			
8" D.I.P.	1235'			
6" D.I.P.	53'			
1" COPPER	462'			
1/4" COPPER	320'			
8" x 8" TEE	5			
8" x 4" x 8" TEE	2			
8" VALVE	6			
6" VALVE	1			
4" CAP	1			
8" CAP	1			
6" FIRE HYDRANT	3			
8" 1/4" HORIZ. BEND	3			
8" 1/4" HORIZ. BEND	1			
8" x 6" TEE	3			
4" VALVE	1			
8" x 6" T.V. & S.	1			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				



SEWER CODE: 6653000
WATER CODE: I-10
TEST GRADIENT: 780

VICINITY MAP

SCALE: 1"=600'

BENCHMARK

POINT No.	DESCRIPTION	ELEV.	N	E
195	1/2" x 18" REBAR w/ TRAV. CAP	445.28	N 561932.019	E 1331138.577
206	1/2" x 18" REBAR w/ TRAV. CAP	374.53	N 559936.249	E 1332328.583
220	1/2" x 18" REBAR w/ TRAV. CAP	457.14	N 561238.646	E 1329635.522

TYPE OF BUILDING:	TOWNHOUSE
NO. OF UNITS:	81
NO. OF WATER SINGLE HOUSE CONNECTIONS:	1
NO. OF WATER DOUBLE HOUSE CONNECTIONS:	50
DRAINAGE AREA:	MIDDLE PATIENT
TREATMENT PLANT:	LITTLE PATIENT WATER QUALITY MANAGEMENT CENTER, SAVAGE, HOWARD COUNTY

REVIEWED FOR NATURAL RESOURCES CONSERVATION SERVICE AND MEETS TECHNICAL REQUIREMENT

J. A. Warfield
SIGNATURE DATE

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

APPROVED
John J. Dantson
HOWARD COUNTY S.C.D. DATE

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH CONSTRUCTION PLANS SDP-01-12.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

DMW
Daft-McCune-Walker, Inc.

200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3833
Fax 296-4705

A Team of Land Planners,
Landscape Architects,
Golf Course Architects,
Engineers, Surveyors &
Environmental Professionals



DESIGN BY:

RTS, MSS

DRAWN BY:

MSS

CHECKED BY:

DATE:

8/30/00

BY NO. REVISION DATE

600 SCALE MAP NO. 35 BLOCK NO. 1

TITLE SHEET

VILLAGE OF RIVER HILL

SECTION 4, AREA 1

TAX MAP 35, LOT A-3

5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

CONTRACT NO. 44-3935-D

SCALE:
AS
SHOWN

SHEET
1 of 3

WATER MAIN LINE 'A'		
STATION	TYPE	LOCATION
0+00	EX. 12" Ø TEE	GREAT STAR DRIVE & STA. 13+73.7 RT.
0+46	EX. Ø" CAP	GREAT STAR DRIVE & STA. 13+73.40' LT.
0+00	CONNECT TO EX. WAT.	LINE 'A'
(W) 0+09.28	1/8 HOR. BEND	LINE 'A'
(W) 0+40.07	1/8 HOR. BEND	LINE 'A'
(W) 1+19.84	Ø" x Ø" TEE	TRUMPET SOUND CT. & STA. 1+65.65 - 4' LT.
(W) 1+26.18	Ø" VALVE	TRUMPET SOUND CT. & STA. 1+60.32 - 4' LT.
(W) 2+73.13	1/8 HOR. BEND	SIGNAL FLAME CT. & STA. 1+51.13 - 1/8 RT.
(W) 2+83.13	1/8 HOR. BEND	SIGNAL FLAME CT. & STA. 1+61.94 - 1/8 RT.
(W) 2+99.56	Ø" x Ø" TEE	SIGNAL FLAME CT. & STA. 1+62.68 - 1/8 RT.
(W) 2+99.31	BEG. 260' RAD.	SIGNAL FLAME CT. & STA. 2+41.21 - 25' RT.
(W) 3+75.94	END 260' RAD.	SIGNAL FLAME CT. & STA. 2+79.50 - 1' LT.
(W) 4+13.34	BEG. 260' RAD.	SIGNAL FLAME CT. & STA. 3+84.75 - 4' RT.
(W) 5+15.45	END 260' RAD.	SIGNAL FLAME CT. & STA. 4+53.64 - 4' RT.
(W) 5+84.36	Ø" x Ø" TEE	SIGNAL FLAME CT. & STA. 4+53.64 - 4' RT.

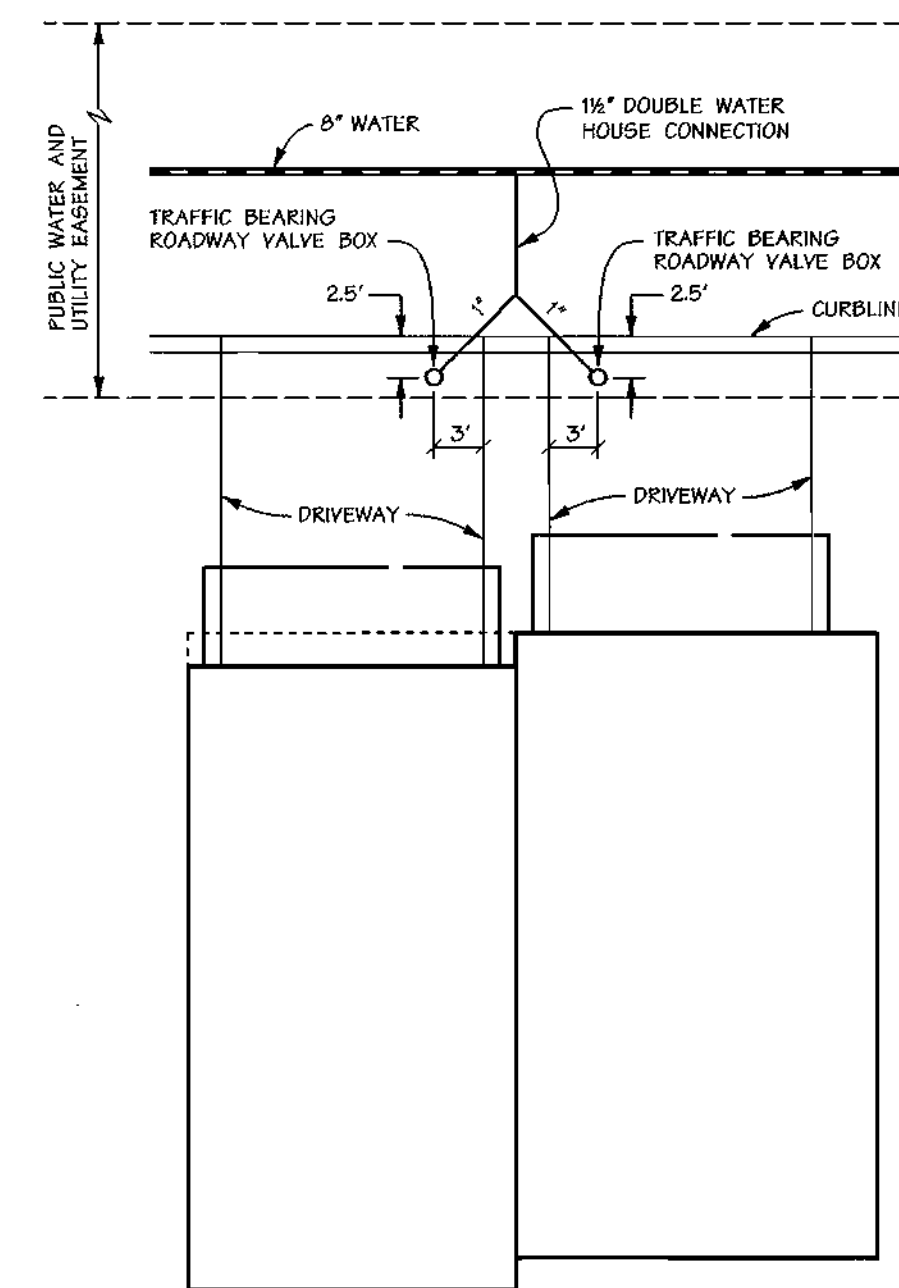
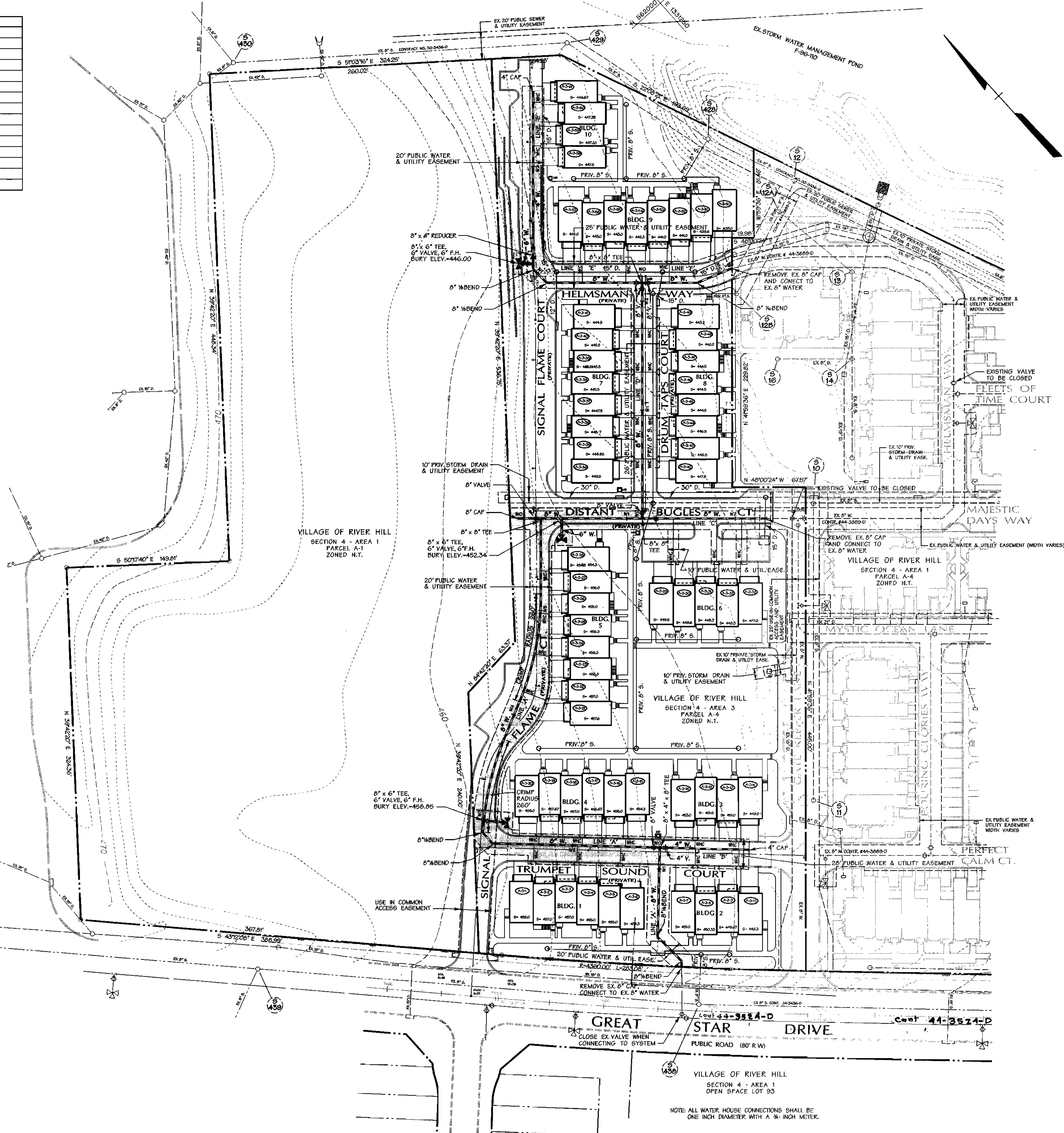
WATER MAIN LINE 'B'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x 4" x Ø" TEE	TRUMPET SOUND CT. & STA. 1+65.65 - 4' LT.
(W) 0+05.33	4" VALVE	TRUMPET SOUND CT. & STA. 1+70.00 - 4' LT.
(W) 0+82.39	4" CAP	TRUMPET SOUND CT. & STA. 2+49.04 - 4' LT.

WATER MAIN LINE 'C'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" CAP	SIGNAL FLAME CT. & STA. 4+53.91 - 17' LT.
(W) 0+16.61	Ø" VALVE	DISTANT BUGLES CT. & STA. 0+00 - 7' RT.
(W) 0+21.00	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 0+45.50 - 7' RT.
(W) 0+40.15	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 0+23.65 - 7' RT.
(W) 1+16.43	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 1+97.94 - 7' RT.
(W) 1+27.43	Ø" VALVE	DISTANT BUGLES CT. & STA. 1+03.94 - 7' RT.
(W) 2+29.23	Ø" CAP	DISTANT BUGLES CT. & STA. 2+12.73 - 7' RT.

WATER MAIN LINE 'D'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 0+97.95 - 7' RT.
(W) 0+05.33	Ø" VALVE	DISTANT BUGLES CT. & STA. 0+97.95 - 17' RT.
(W) 2+11.67	Ø" VALVE	DRUM TAPS CT. & STA. 2+04.67 - 3' LT.
(W) 2+17.00	Ø" x Ø" TEE	DRUM TAPS CT. & STA. 2+10.00 - 3' LT.

WATER MAIN LINE 'E'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x Ø" TEE	TRUMPET SOUND CT. & STA. 2+10.00 - 3' LT.
(W) 0+05.33	Ø" VALVE	HELMESMAN WAY & STA. 0+94.67 - 6' RT.
(W) 1+07.67	1/8 HOR. BEND	HELMESMAN WAY & STA. 0+12.33 - 6' RT.
(W) 1+05.66	1/8 HOR. BEND	SIGNAL FLAME CT. & STA. 6+53.43 - 0+14' RT.
(W) 1+10.66	Ø" x Ø" F.H. TEE	SIGNAL FLAME CT. & STA. 6+58.42 - 0+53' RT.
(W) 1+17.42	Ø" x 4" REDUCER	SIGNAL FLAME CT. & STA. 6+95.15 - 1' RT.
(W) 2+65.94	4" CAP	SIGNAL FLAME CT. & STA. 6+46.27 - 3' RT.

WATER MAIN LINE 'F'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x Ø" TEE	HELMESMAN WAY & STA. 1+00 - 6' RT.
(W) 0+05.33	Ø" VALVE	HELMESMAN WAY & STA. 1+05.33 - 6' RT.
(W) 0+05.70	1/8 HOR. BEND	HELMESMAN WAY & STA. 1+50.46 - 6' RT.
(W) 0+85.66	CONN. TO EX. WAT.	HELMESMAN WAY & STA. 1+83.28 - 3+29' RT.



WATER HOUSE CONNECTIONS					
BLDG. No.	LOT No.	LOCATION	BLDG. No.	LOT No.	LOCATION
1	A-3-1	TRUMPET SOUND COURT & STA. 0+48.7	7	A-3-34	DRUM TAPS COURT & STA. 0+48.0
1	A-3-2	TRUMPET SOUND COURT & STA. 0+48.7	7	A-3-35	DRUM TAPS COURT & STA. 0+48.0
1	A-3-3	TRUMPET SOUND COURT & STA. 0+48.7	7	A-3-36	DRUM TAPS COURT & STA. 0+48.0
1	A-3-4	TRUMPET SOUND COURT & STA. 0+48.7	7	A-3-37	DRUM TAPS COURT & STA. 0+48.0
1	A-3-5	TRUMPET SOUND COURT & STA. 1+29.7	7	A-3-38	DRUM TAPS COURT & STA. 1+28.0
1	A-3-6	TRUMPET SOUND COURT & STA. 1+29.7	7	A-3-39	DRUM TAPS COURT & STA. 1+28.0
2	A-3-7	TRUMPET SOUND COURT & STA. 0+98.7	7	A-3-40	DRUM TAPS COURT & STA. 1+68.0
2	A-3-8	TRUMPET SOUND COURT & STA. 0+98.7	7	A-3-41	DRUM TAPS COURT & STA. 1+68.0
2	A-3-9	TRUMPET SOUND COURT & STA. 2+38.7	8	A-3-42	DRUM TAPS COURT & STA. 0+48.0
2	A-3-10	TRUMPET SOUND COURT & STA. 2+38.7	8	A-3-43	DRUM TAPS COURT & STA. 0+48.0
3	A-3-11	TRUMPET SOUND COURT & STA. 2+38.1	8	A-3-44	DRUM TAPS COURT & STA. 0+48.0
3	A-3-12	TRUMPET SOUND COURT & STA. 2+38.1	8	A-3-45	DRUM TAPS COURT & STA. 0+48.0
3	A-3-13	TRUMPET SOUND COURT & STA. 1+98.1	8	A-3-46	DRUM TAPS COURT & STA. 1+28.0
3	A-3-14	TRUMPET SOUND COURT & STA. 1+98.1	8	A-3-47	DRUM TAPS COURT & STA. 1+28.0
4	A-3-15	TRUMPET SOUND COURT & STA. 1+34.0	8	A-3-48	DRUM TAPS COURT & STA. 1+68.0
4	A-3-16	TRUMPET SOUND COURT & STA. 1+34.0	8	A-3-49	DRUM TAPS COURT & STA. 1+68.0
4	A-3-17	TRUMPET SOUND COURT & STA. 0+94.0	9	A-3-50	HELMESMAN COURT & STA. 1+70.0
4	A-3-18	TRUMPET SOUND COURT & STA. 0+94.0	9	A-3-51	HELMESMAN COURT & STA. 1+25.0
4	A-3-19	TRUMPET SOUND COURT & STA. 0+94.0	9	A-3-52	HELMESMAN COURT & STA. 1+25.0
4	A-3-20	TRUMPET SOUND COURT & STA. 2+90.3	9	A-3-53	HELMESMAN COURT & STA. 0+85.0
5	A-3-21	SIGNAL FLAME COURT & STA. 2+90.3	9	A-3-54	HELMESMAN COURT & STA. 0+85.0
5	A-3-22	SIGNAL FLAME COURT & STA. 2+90.3	9	A-3-55	HELMESMAN COURT & STA. 0+85.0
5	A-3-23	SIGNAL FLAME COURT & STA. 3+29.6	9	A-3-56	HELMESMAN COURT & STA. 0+48.0
5	A-3-24	SIGNAL FLAME COURT & STA. 3+29.6	9	A-3-57	SIGNAL FLAME COURT & STA. 7+96.3
5	A-3-25	SIGNAL FLAME COURT & STA. 3+66.6	10	A-3-58	SIGNAL FLAME COURT & STA. 7+96.3
5	A-3-26	SIGNAL FLAME COURT & STA. 4+05.6	10	A-3-59	SIGNAL FLAME COURT & STA. 8+36.3
5	A-3-27	SIGNAL FLAME COURT & STA. 4+05.6	10	A-3-60	SIGNAL FLAME COURT & STA. 8+36.3
5	A-3-28	SIGNAL FLAME COURT & STA. 4+05.6	10	A-3-61	SIGNAL FLAME COURT & STA. 8+36.3
6	A-3-29	DISTANT BUGLES COURT & STA. 1+26.5			
6	A-3-30	DISTANT BUGLES COURT & STA. 1+26.5			
6	A-3-31	DISTANT BUGLES COURT & STA. 1+26.5			
6	A-3-32	DISTANT BUGLES COURT & STA. 1+26.5			
6	A-3-33	DISTANT BUGLES COURT & STA. 1+26.5			

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DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief - Bureau of Utilities - DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief - Development Engineering Division - DATE

DMW
 DaR-McCune-Walker, Inc.
 A Team of Land Planners,
 Landscape Architects,
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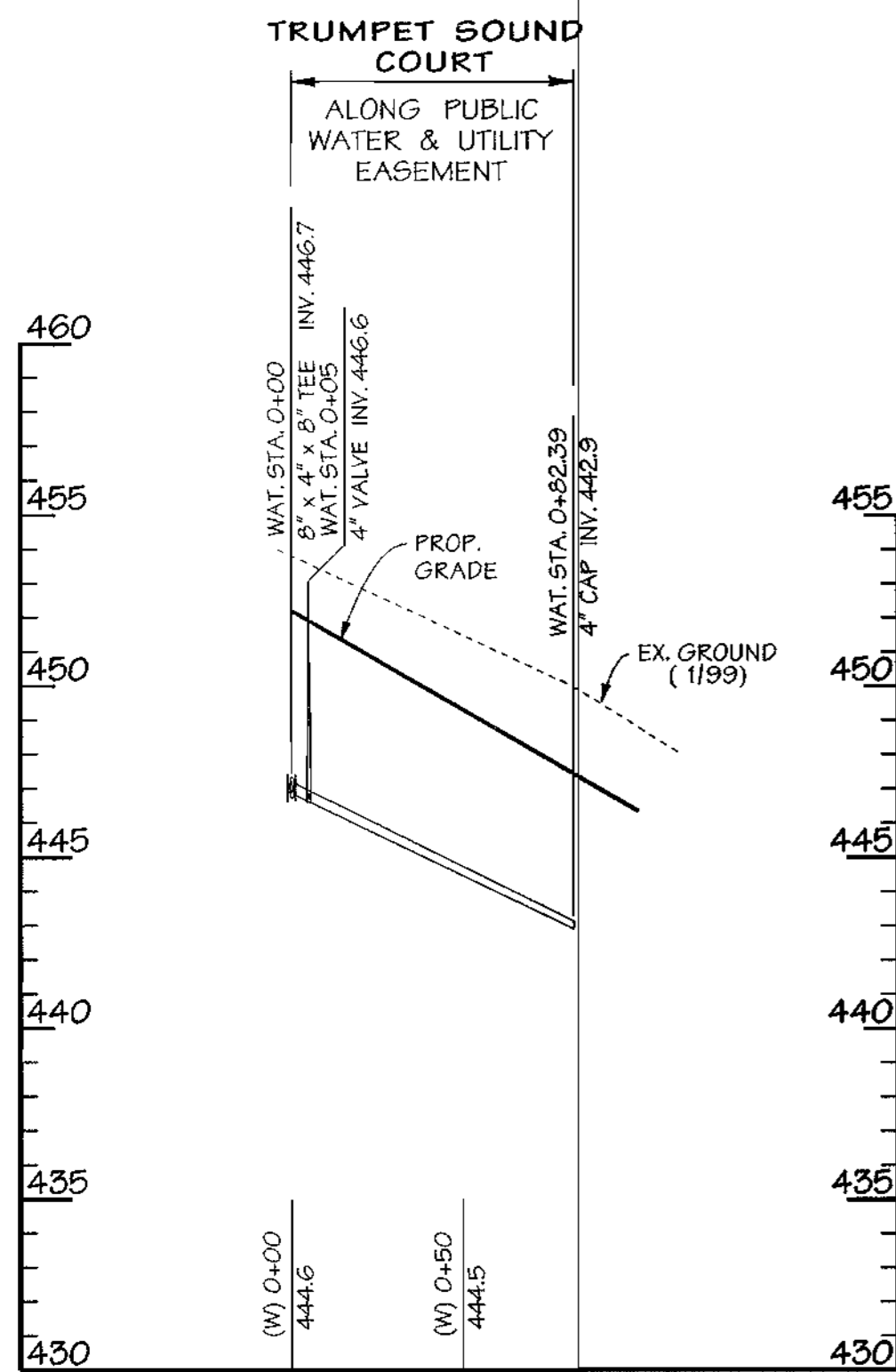


DESIGN BY: RLH
 DRAWN BY: KDE, MSS
 CHECKED BY:
 DATE: 8-30-00

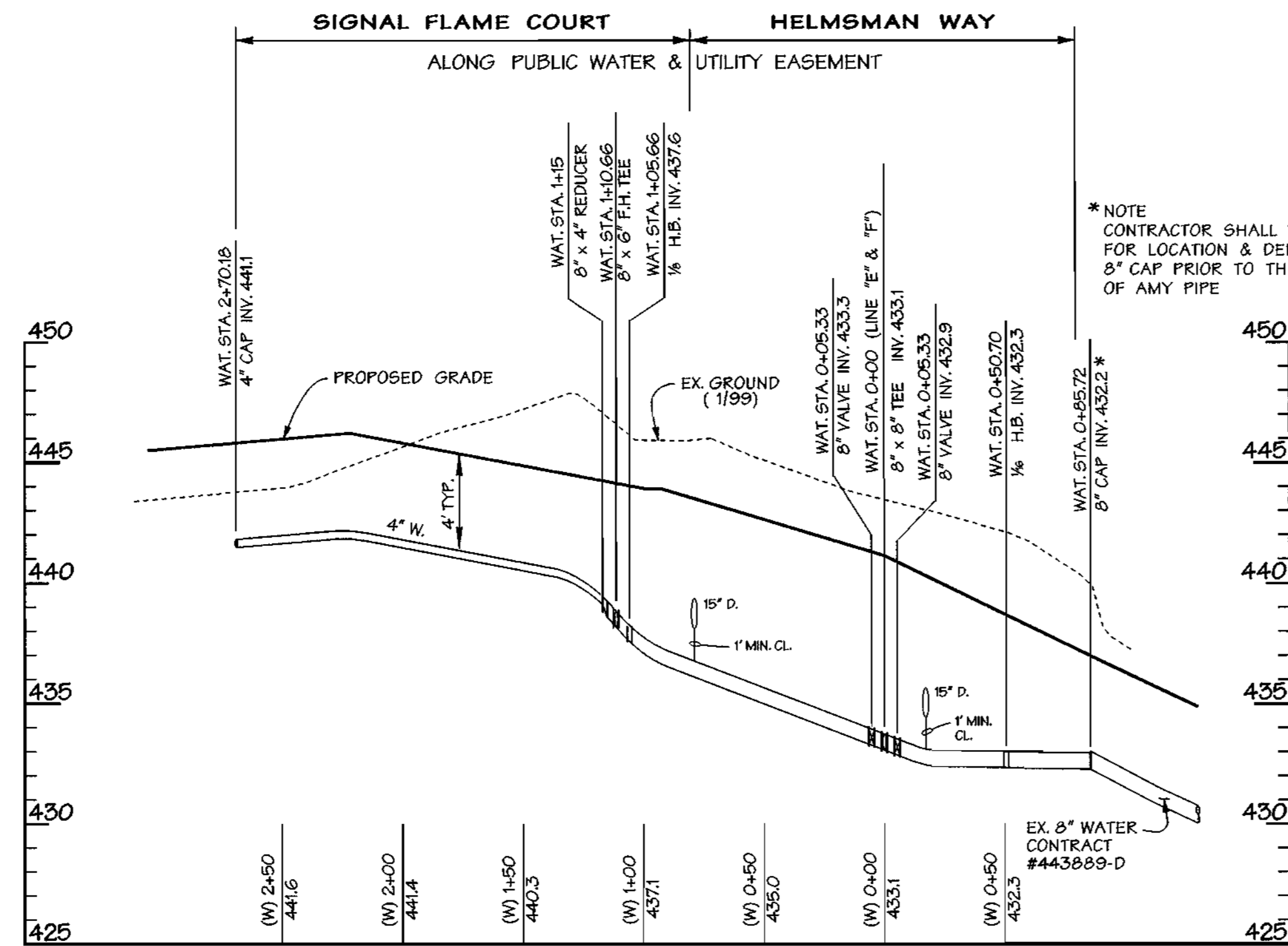
WATER PLAN
 600 SCALE MAP NO. 35 BLOCK NO. 1

VILLAGE OF RIVER HILL
 SECTION 4, AREA 1
 TAX MAP 35, LOT A-3
 5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
 CONTRACT NO. 44-3935-D

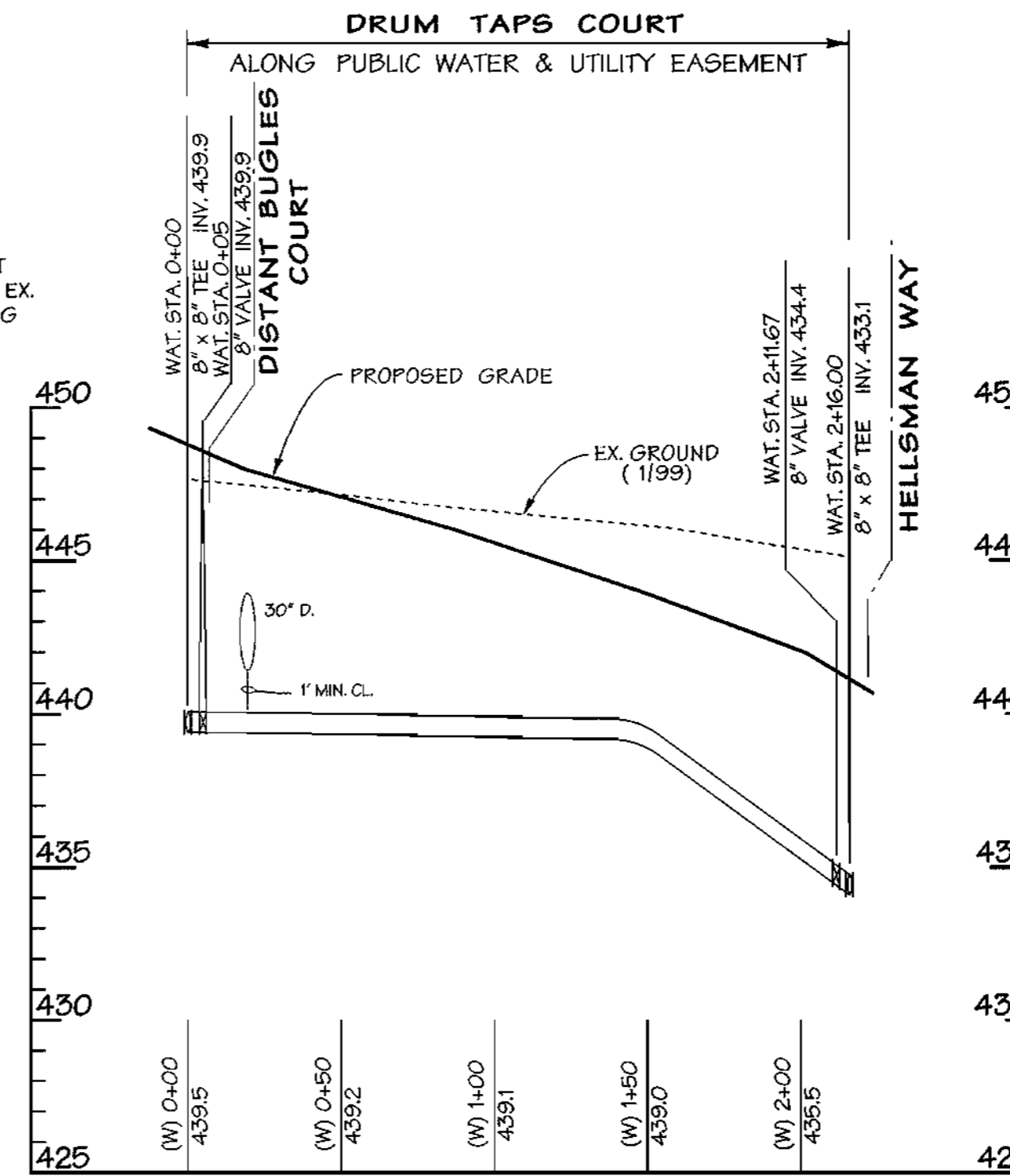
SCALE: 1"=50'
 SHEET 2 of 3



LINE "B"



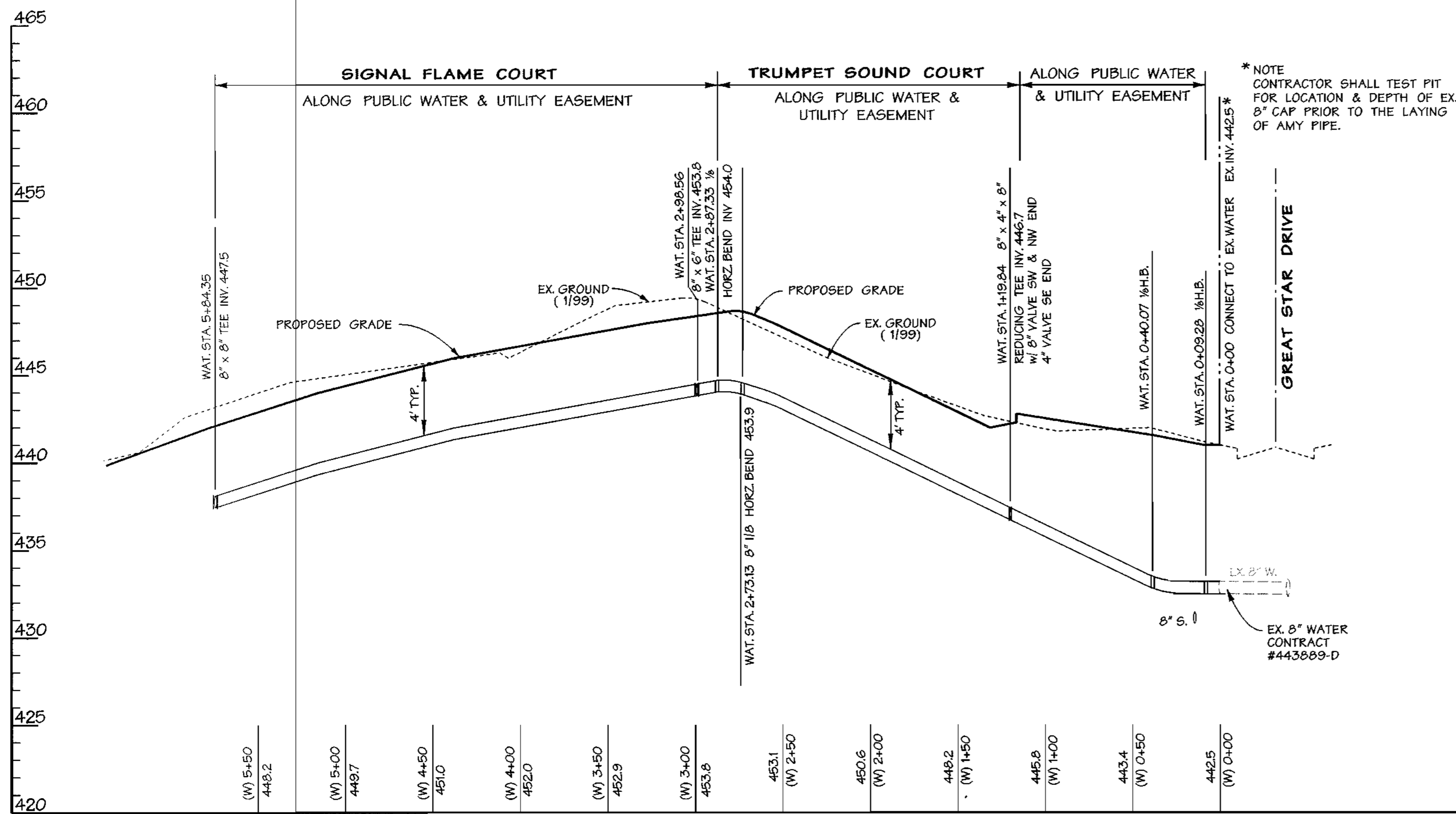
LINE "E" LINE "F"



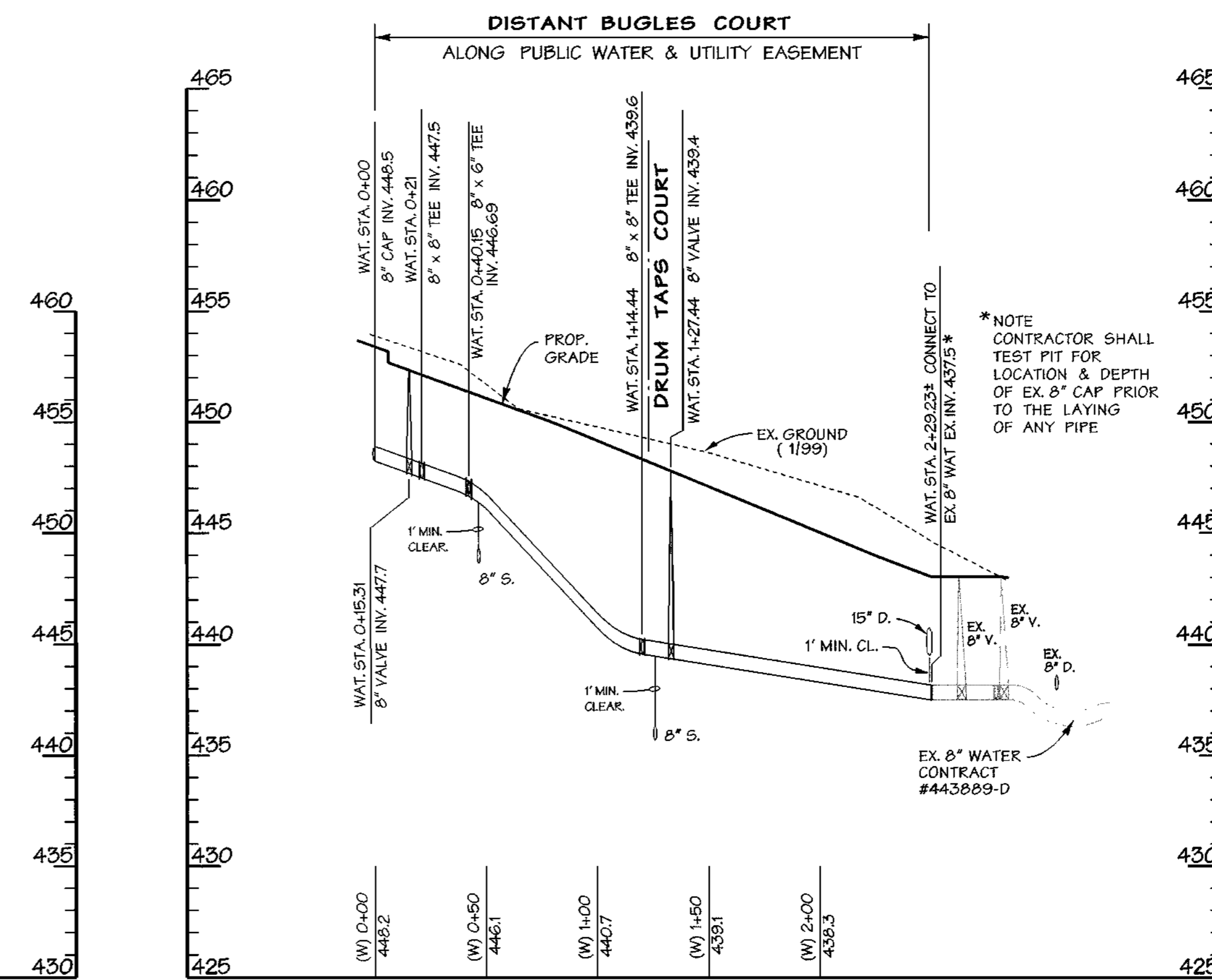
LINE "D"

WATER MAIN PROFILES

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



LINE "A"



LINE "C"

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND



A Team of Land Planners,
Landscape Architects,
Golf Course Architects,
Engineers, Surveyors &
Environmental Professionals



DESIGN BY:
RLH, TS

DRAWN BY:
KDE, MSS

CHECKED BY:

DATE:
8-30-00

BY NO.

REVISION

DATE 600 SCALE MAP NO. 35 BLOCK NO. 1

WATER PROFILES

VILLAGE OF RIVER HILL

SECTION 4, AREA 1
TAX MAP 35, LOT A-3
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

CONTRACT NO. 44-3935-D

SCALE:
AS
SHOWN

SHEET
3 of 3

WATER MAIN LINE 'A'		
STATION	TYPE	LOCATION
0+00	EX. 12" x 8" TEE	GREAT STAR DRIVE E. STA. 13+73.7' RT.
0+46	EX. 8" CAP	GREAT STAR DRIVE E. STA. 13+73.40' LT.
0+00	CONNECT TO EX. WAT.	LINE 'A'
(W) 0+09.28	1/8 HOR. BEND	LINE 'A'
(W) 0+40.07	1/8 HOR. BEND	LINE 'A'
(W) 1+19.84	8" x 8" TEE	TRUMPET SOUND CT. E. STA. 1+65.66 - 4' LT.
(W) 1+25.19	8" VALVE	TRUMPET SOUND CT. E. STA. 1+60.32 - 4' LT.
(W) 2+73.13	1/8 HOR. BEND	TRUMPET SOUND CT. E. STA. 0+12.36 - 4' LT.
(W) 2+83.13	1/8 HOR. BEND	SIGNAL FLAME CT. E. STA. 1+51.13 - 10' RT.
(W) 2+90.56	8" x 8" TEE	SIGNAL FLAME CT. E. STA. 1+61.94 - 10' RT.
(W) 2+99.21	BEG. 260' RAD.	SIGNAL FLAME CT. E. STA. 1+62.68 - 10' RT.
(W) 3+75.94	END 260' RAD.	SIGNAL FLAME CT. E. STA. 2+41.21 - 25' RT.
(W) 4+13.34	BEG. 260' RAD.	SIGNAL FLAME CT. E. STA. 2+79.50 - 11' LT.
(W) 5+15.45	END 260' RAD.	SIGNAL FLAME CT. E. STA. 3+84.75 - 4' RT.
(W) 5+84.36	8" x 8" TEE	SIGNAL FLAME CT. E. STA. 4+53.64 - 4' RT.

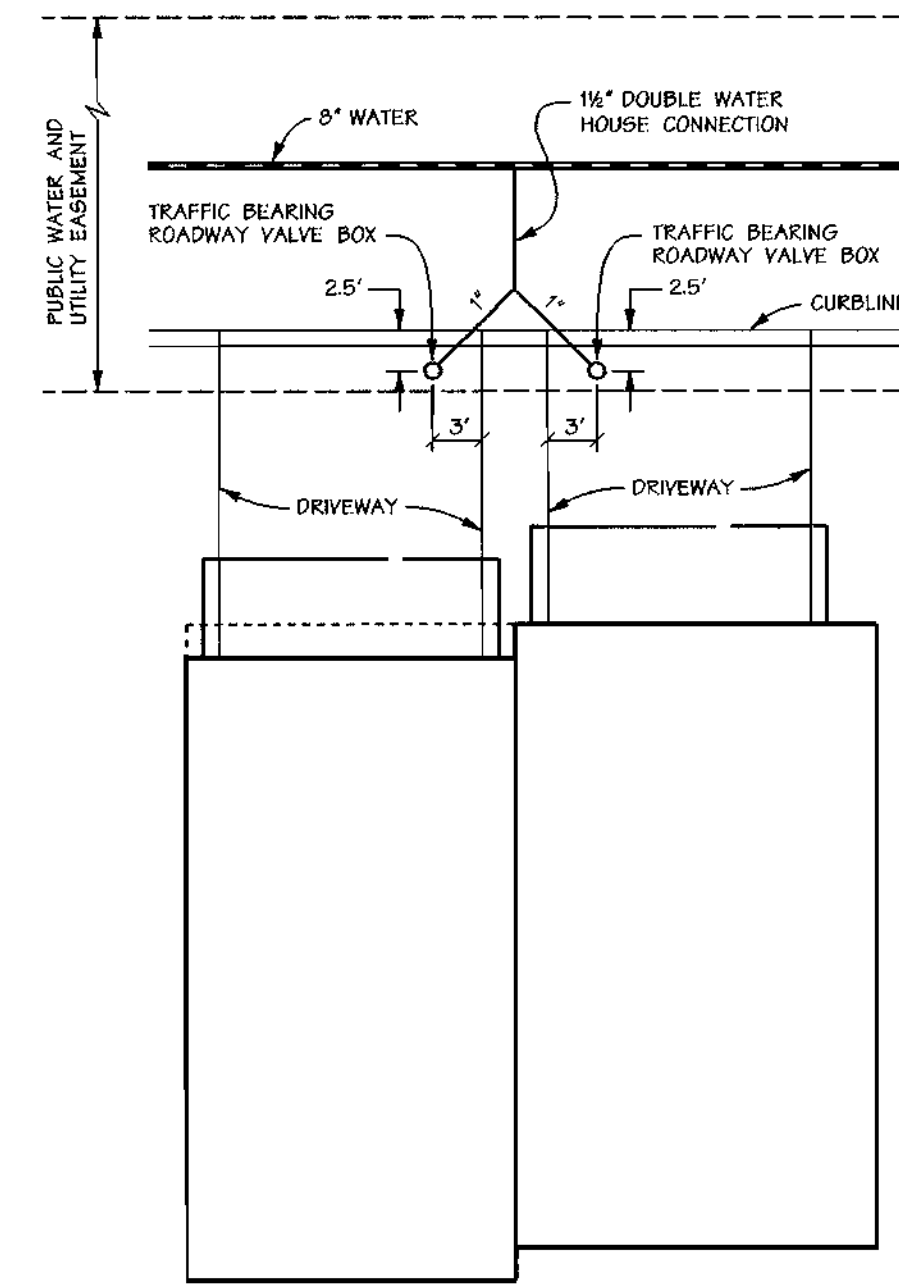
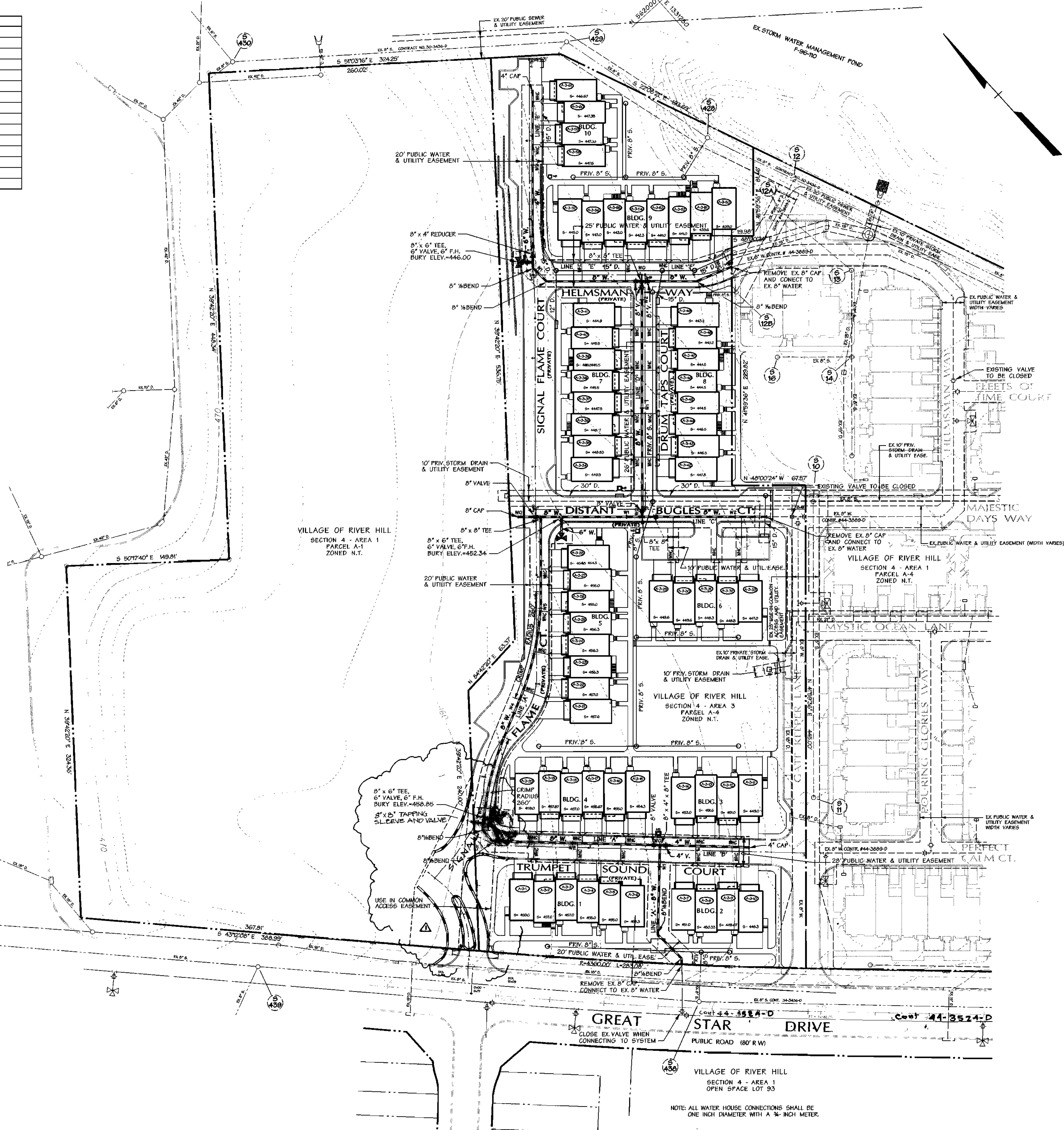
WATER MAIN LINE 'B'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 4" x 8" TEE	TRUMPET SOUND CT. E. STA. 1+65.66 - 4' LT.
(W) 0+05.33	4" VALVE	TRUMPET SOUND CT. E. STA. 1+17.00 - 4' LT.
(W) 0+82.39	4" CAP	TRUMPET SOUND CT. E. STA. 2+46.04 - 4' LT.

WATER MAIN LINE 'C'		
STATION	TYPE	LOCATION
(W) 0+00	8" CAP	SIGNAL FLAME CT. E. STA. 4+53.91 - 17' LT.
(W) 0+16.61	8" VALVE	DISTANT BUGLES CT. E. STA. 0+00.00 - 7' RT.
(W) 0+21.00	8" x 8" TEE	DISTANT BUGLES CT. E. STA. 0+45.50 - 7' RT.
(W) 0+40.15	8" x 8" TEE	DISTANT BUGLES CT. E. STA. 0+23.65 - 7' RT.
(W) 1+16.43	8" x 8" TEE	DISTANT BUGLES CT. E. STA. 1+97.94 - 7' RT.
(W) 1+27.43	8" VALVE	DISTANT BUGLES CT. E. STA. 1+02.94 - 7' RT.
(W) 2+29.23	8" CAP	DISTANT BUGLES CT. E. STA. 2+12.73 - 7' RT.

WATER MAIN LINE 'D'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 8" TEE	DISTANT BUGLES CT. E. STA. 0+97.95 - 7' RT.
(W) 0+05.33	8" VALVE	DISTANT BUGLES CT. E. STA. 0+97.95 - 17' RT.
(W) 2+11.67	8" VALVE	DRUM TAPS CT. E. STA. 2+04.67 - 3' LT.
(W) 2+17.00	8" x 8" TEE	DRUM TAPS CT. E. STA. 2+10.00 - 3' LT.

WATER MAIN LINE 'E'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 8" TEE	TRUMPET SOUND CT. E. STA. 2+10.00 - 3' LT.
(W) 0+05.33	8" VALVE	HELMSMAN WAY E. STA. 0+94.67 - 6' RT.
(W) 1+87.67	1/8 HOR. BEND	HELMSMAN WAY E. STA. 0+12.33 - 6' RT.
(W) 1+06.66	1/8 HOR. BEND	SIGNAL FLAME CT. E. STA. 6+53.43 - 0.14' RT.
(W) 1+02.66	8" x 6" F.H. TEE	SIGNAL FLAME CT. E. STA. 6+88.42 - 0.53' RT.
(W) 1+17.42	8" x 4" REDUCER	SIGNAL FLAME CT. E. STA. 6+96.15 - 1' RT.
(W) 2+68.94	4" CAP	SIGNAL FLAME CT. E. STA. 8+46.27 - 3' RT.

WATER MAIN LINE 'F'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 8" TEE	HELMSMAN WAY E. STA. 1+00 - 6' RT.
(W) 0+05.33	8" VALVE	HELMSMAN WAY E. STA. 1+05.33 - 6' RT.
(W) 0+50.70	1/8 HOR. BEND	HELMSMAN WAY E. STA. 1+50.46 - 6' RT.
(W) 0+85.66	CONN. TO EX. WAT.	HELMSMAN WAY E. STA. 1+83.28 - 3.29' RT.



DETAIL
WATER HOUSE CONNECTION
NOT TO SCALE

WATER HOUSE CONNECTIONS					
BLDG. No.	LOT No.	LOCATION	BLDG. No.	LOT No.	LOCATION
1	A-3-1	TRUMPET SOUND COURT E. STA. 0+49.7	7	A-3-34	DRUM TAPS COURT E. STA. 0+88.0
1	A-3-2	TRUMPET SOUND COURT E. STA. 0+88.0	7	A-3-35	DRUM TAPS COURT E. STA. 0+88.0
1	A-3-3	TRUMPET SOUND COURT E. STA. 0+89.7	7	A-3-36	DRUM TAPS COURT E. STA. 0+88.0
1	A-3-4	TRUMPET SOUND COURT E. STA. 1+29.7	7	A-3-37	DRUM TAPS COURT E. STA. 1+28.0
1	A-3-5	TRUMPET SOUND COURT E. STA. 1+29.7	7	A-3-38	DRUM TAPS COURT E. STA. 1+28.0
1	A-3-6	TRUMPET SOUND COURT E. STA. 1+29.7	7	A-3-39	DRUM TAPS COURT E. STA. 1+28.0
2	A-3-7	TRUMPET SOUND COURT E. STA. 0+98.7	7	A-3-40	DRUM TAPS COURT E. STA. 1+68.0
2	A-3-8	TRUMPET SOUND COURT E. STA. 0+98.7	7	A-3-41	DRUM TAPS COURT E. STA. 1+68.0
2	A-3-9	TRUMPET SOUND COURT E. STA. 2+38.9	8	A-3-42	DRUM TAPS COURT E. STA. 0+88.0
2	A-3-10	TRUMPET SOUND COURT E. STA. 2+38.1	8	A-3-43	DRUM TAPS COURT E. STA. 0+88.0
3	A-3-11	TRUMPET SOUND COURT E. STA. 2+38.1	8	A-3-44	DRUM TAPS COURT E. STA. 0+88.0
3	A-3-12	TRUMPET SOUND COURT E. STA. 1+98.1	8	A-3-45	DRUM TAPS COURT E. STA. 1+28.0
3	A-3-13	TRUMPET SOUND COURT E. STA. 1+98.1	8	A-3-46	DRUM TAPS COURT E. STA. 1+28.0
3	A-3-14	TRUMPET SOUND COURT E. STA. 1+98.1	8	A-3-47	DRUM TAPS COURT E. STA. 1+28.0
4	A-3-15	TRUMPET SOUND COURT E. STA. 1+34.0	8	A-3-48	DRUM TAPS COURT E. STA. 1+68.0
4	A-3-16	TRUMPET SOUND COURT E. STA. 0+94.0	8	A-3-49	HELMSMAN COURT E. STA. 1+70.8
4	A-3-17	TRUMPET SOUND COURT E. STA. 0+94.0	9	A-3-50	HELMSMAN COURT E. STA. 1+25.0
4	A-3-18	TRUMPET SOUND COURT E. STA. 0+94.0	9	A-3-51	HELMSMAN COURT E. STA. 1+25.0
4	A-3-19	SIGNAL FLAME COURT E. STA. 0+54.0	9	A-3-52	HELMSMAN COURT E. STA. 1+25.0
4	A-3-20	SIGNAL FLAME COURT E. STA. 0+54.0	9	A-3-53	HELMSMAN COURT E. STA. 0+85.0
5	A-3-21	SIGNAL FLAME COURT E. STA. 2+90.3	9	A-3-54	HELMSMAN COURT E. STA. 0+85.0
5	A-3-22	SIGNAL FLAME COURT E. STA. 2+90.3	9	A-3-55	HELMSMAN COURT E. STA. 0+85.0
5	A-3-23	SIGNAL FLAME COURT E. STA. 3+66.6	9	A-3-56	HELMSMAN COURT E. STA. 7+96.3
5	A-3-24	SIGNAL FLAME COURT E. STA. 3+66.6	9	A-3-57	HELMSMAN COURT E. STA. 7+96.3
5	A-3-25	SIGNAL FLAME COURT E. STA. 3+66.6	10	A-3-58	SIGNAL FLAME COURT E. STA. 4+05.6
5	A-3-26	SIGNAL FLAME COURT E. STA. 3+66.6	10	A-3-59	SIGNAL FLAME COURT E. STA. 4+05.6
5	A-3-27	SIGNAL FLAME COURT E. STA. 3+66.6	10	A-3-60	SIGNAL FLAME COURT E. STA. 4+05.6
5	A-3-28	SIGNAL FLAME COURT E. STA. 3+66.6	10	A-3-61	SIGNAL FLAME COURT E. STA. 4+05.6
6	A-3-29	DISTANT BUGLES COURT E. STA. 1+26.5			
6	A-3-30	DISTANT BUGLES COURT E. STA. 1+66.5			
6	A-3-31	DISTANT BUGLES COURT E. STA. 1+66.5			
6	A-3-32	DISTANT BUGLES COURT E. STA. 1+66.5			
6	A-3-33	DISTANT BUGLES COURT E. STA. 1+66.5			

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert M. Reimer 1-9-01
CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
John D. ... 1/12/01
CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

DMW
Dra-McCune-Walker, Inc.
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4705
A Team of Land Planners,
Landscape Architects,
Golf Course Architects,
Engineers, Surveyors &
Environmental Professionals

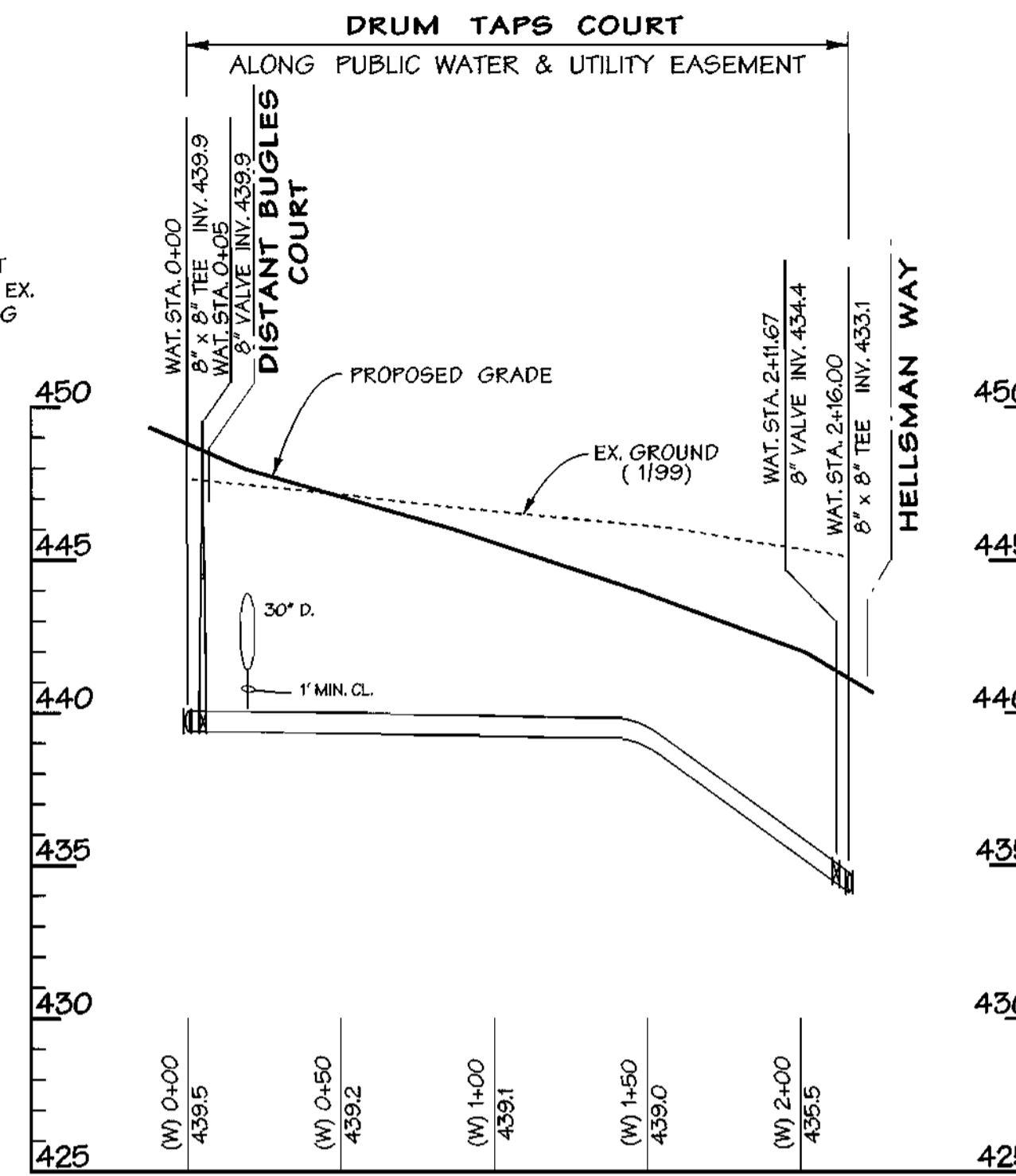
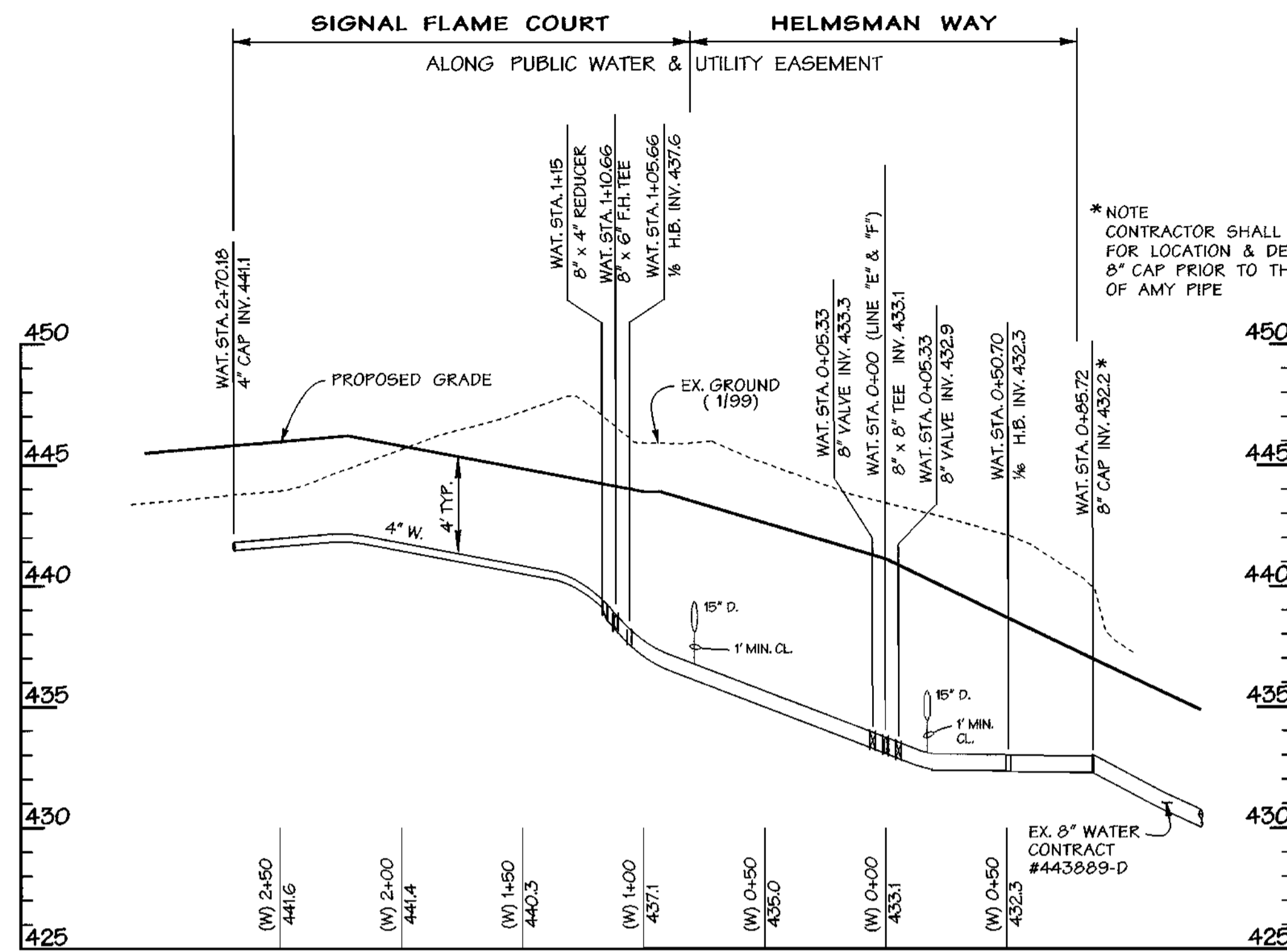
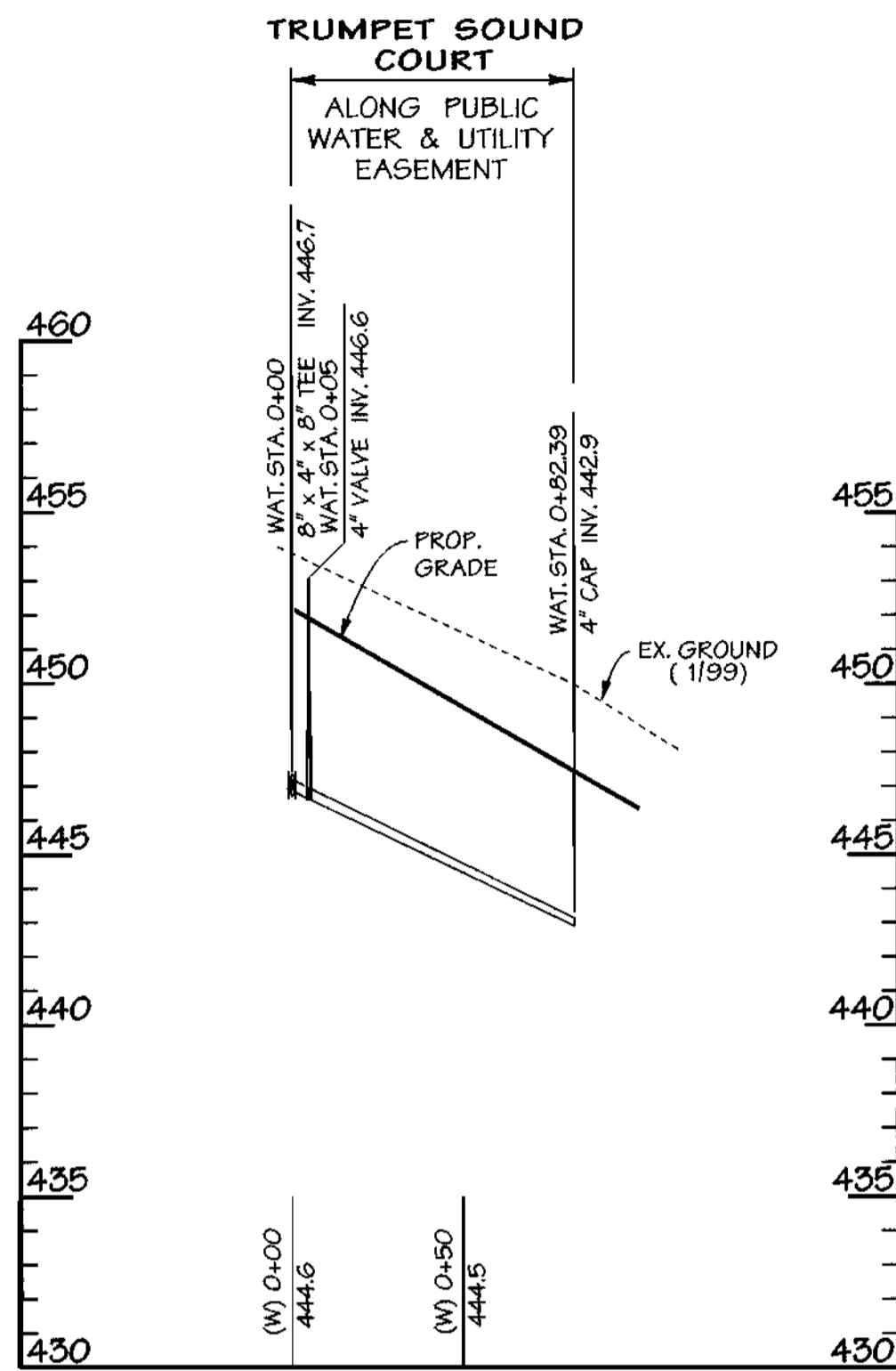


DESIGN BY:	RLH
DRAWN BY:	KDE, MSS
CHECKED BY:	AJS
DATE:	8-30-00
REVISION:	REVISE ENT. TO SIGNAL FLAME, REV. P.H., 6.26.01
REVISION:	ADD 8" CON. TO PAR. A1

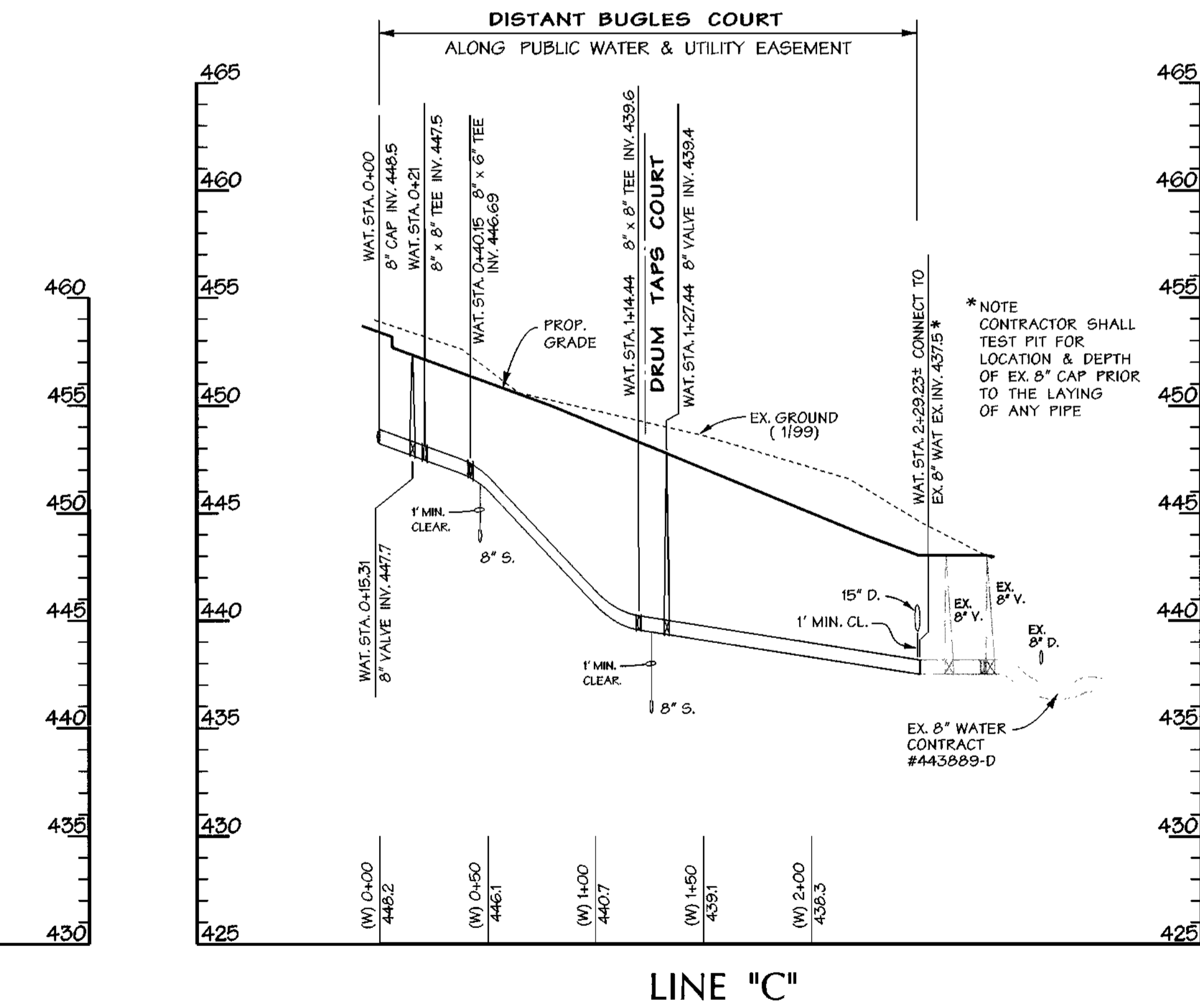
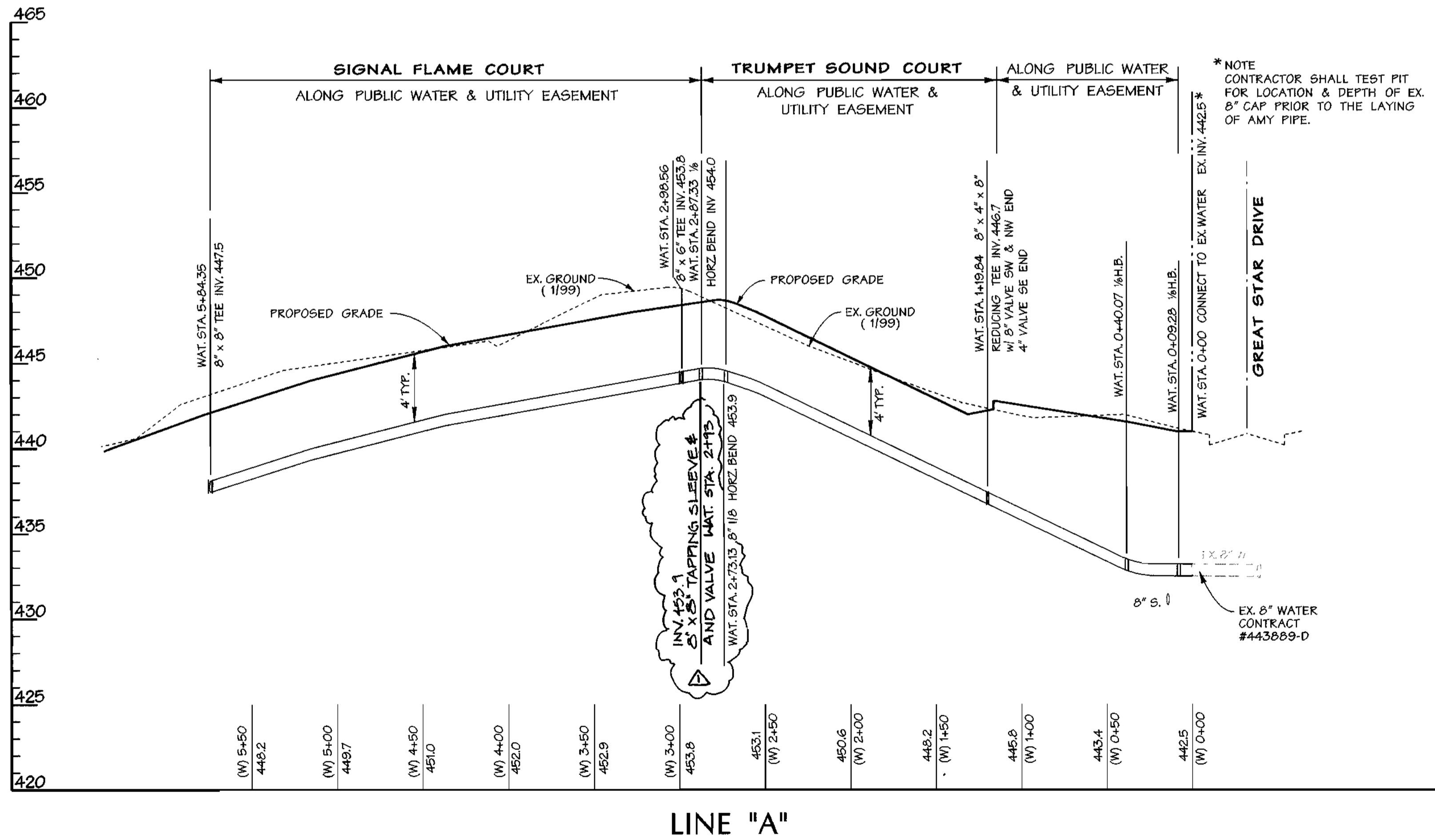
WATER PLAN
600 SCALE MAP NO. 35 BLOCK NO. 1

VILLAGE OF RIVER HILL
SECTION 4, AREA 1
TAX MAP 35, LOT A-3
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
CONTRACT NO. 44-3935-D
SDP 01-12

SCALE:
1"=50'
SHEET
2 of 3



WATER MAIN PROFILES
SCALE: HORIZ. 1"=50'
VERT. 1"=5'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert M. ... 1-9-01
CHIEF - BUREAU OF UTILITIES - DATE

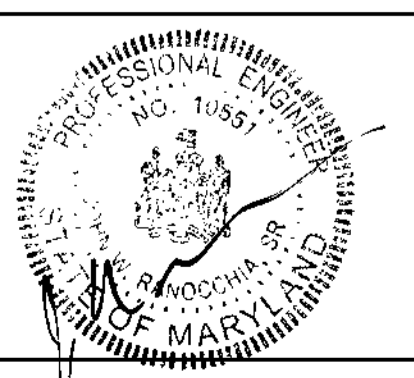
DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

... 1/12/01
CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

DMW
Duff-McCune-Walker, Inc.

A Team of Land Planners,
Landscape Architects,
Golf Course Architects,
Engineers, Surveyors &
Environmental Professionals

300 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4705



DESIGN BY:	RLH, TS
DRAWN BY:	KDE, MSS
CHECKED BY:	
DATE:	8-30-00
BY NO.	
REVISION	
DATE	6-26-01

WATER PROFILES

800 SCALE MAP NO. 35 BLOCK NO. 1

VILLAGE OF RIVER HILL

SECTION 4, AREA 1
TAX MAP 35, LOT A-3
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

CONTRACT NO. 44-3935-D

SCALE: A5 SHOWN

SHEET 3 of 3

VILLAGE OF RIVER HILL

WATER MAIN

SECTION 4 ♦ AREA 1 ♦ PARCEL A-3

CONTRACT NO. 44-3935-D

5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

PART I - GENERAL

- 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 (NAD '83).
- 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" MIN. OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED UTILITY COMPANIES AND MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON DRAWINGS. IN EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO SCHEDULE BRACING OF POLES.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. 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 [X] 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 UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION - (410) 531-5533
 - BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - (410) 950-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL - (410) 787-9068
 - MISS UTILITY - 1-800-257-7777
 - BELL ATLANTIC - 1-800-446-5266
 - COLONIAL PIPELINE CO. - (410) 795-1590
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - (410) 313-4900
- 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.
- 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 WATERSEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

PART II - WATER

- 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 THE PLANS OR IN THE SPECIFICATIONS.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153 DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND OTHER LIQUIDS.
- ALL EXISTING VALVES TO BE CLOSED WHEN CONNECTION TO THE SYSTEM IS MADE.
- SPRINKLER SYSTEMS FOR ALL TOWNHOMES OR MULTI-FAMILY DWELLING UNITS SHALL HAVE A MINIMUM OF 1" CONNECTION WITH A 3/4" METER.

FROM	TO	DIST.
A-3-56	A-3-57	6'
SDH	A-3-57	23'
A-3-58	A-3-59	6'
A-3-59	A-3-60	33'
A-3-60	A-3-61	6'
F.H. TO	G VALVE	6'
F.H. TO	SDH	35'
G VALVE	SDH	27'

NO.	PLAN
1 OF 3	TITLE SHEET
2 OF 3	WATER PLAN
3 OF 3	WATER PROFILES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
4" D.I.P.	237'	234.73	CL 52 DIP	ATLANTIC STATES / U.S. FILTER
8" D.I.P.	1236'	1,268.5	CL 52 DIP	"
6" D.I.P.	53'	43.6	CL 52 DIP	"
1" COPPER	462'	464	TYPE K	REACHING TUBE
1/2" COPPER	320'	352	TYPE K	"
8" x 8" TEE	5	3		UNION FOUNDRY
8" x 4" x 8" TEE	2	1		"
8" VALVE	6	7		MUELLER CO. / U.S. FILTER
6" VALVE	1	3		"
4" CAP	1	1		UNION FOUNDRY
8" CAP	1	2		"
6" FIRE HYDRANT	3	3		MUELLER CO.
8" HORIZ. BEND	3	6		"
8" HORIZ. BEND	1	2		UNION FOUNDRY
8" x 6" TEE	3	3		"
4" VALVE	1	1		MUELLER CO. / U.S. FILTER
5" x 8" T.V. & S.	1	1		"
NAME OF UTILITY CONTRACTOR UTILITIES	UNLIMITED			
SURVEY AND DRAFTING DIVISION	AS-BUILT DATE: 6/21/01			
D.T.S.V.	1			

FROM	TO	DIST.	FROM	TO	DIST.
A-3-1-208*1	A-3-2	0'	6" VALVE	8" VALVE	25'
A-3-2	A-3-3	33'	8" VALVE TRAPS		
A-3-3	A-3-4	0'	8" VALVE	8" VALVE	14'
A-3-4	A-3-5	33'	8" VALVE	SMH	13'
A-3-5	A-3-6	0'	8" VALVE	SMH	15'
8" VALVE	4" VALVE	10'	HELMSMAN WAY	8" VALVES	
BUILDING #2	A-3-7	0'	SDH (A)	8" VALVES	18'
A-3-7	A-3-8	0'	SDH (B)	8" VALVES	27'
A-3-8	A-3-9	33'	SDH (C)	8" VALVES	25'
A-3-9	A-3-10	0'	BUILDING #7		
A-3-10	4" VALVE	30'	A-3-34	A-3-35	6'
A-3-11	A-3-12	0'	A-3-36	A-3-37	6'
A-3-12	A-3-13	33'	A-3-37	A-3-38	33'
A-3-13	A-3-14	0'	A-3-38	A-3-39	6'
A-3-14	4" VALVE	27'	A-3-39	A-3-40	33'
BUILDING #4	A-3-15	0'	A-3-40	A-3-41	6'
A-3-15	A-3-16	0'	A-3-42	A-3-43	6'
A-3-16	A-3-17	33'	A-3-44	A-3-45	6'
A-3-17	A-3-18	0'	A-3-45	A-3-46	33'
A-3-18	A-3-19	33'	A-3-46	A-3-47	6'
A-3-19	A-3-20	0'	A-3-47	A-3-48	33'
FIRE HYDR.	G VALVE	18'	A-3-48	A-3-49	6'
8" VALVE	8" VALVE	7'	A-3-49	A-3-50	6'
F.H. FROM	8" VALVE	25'	A-3-50	A-3-51	6'
BUILDING #5	A-3-21	0'	A-3-31	A-3-32	6'
A-3-21	A-3-22	0'	A-3-32	A-3-33	20'
A-3-22	A-3-23	33'	A-3-33	A-3-34	6'
A-3-23	A-3-24	0'	BUILDING #9		
A-3-24	A-3-25	33'	A-3-50	A-3-51	6'
A-3-25	A-3-26	0'	A-3-51	A-3-52	33'
A-3-26	A-3-27	33'	A-3-52	A-3-53	33'
A-3-27	A-3-28	0'	A-3-53	A-3-54	6'
F.H. FROM	G VALVE	16'	A-3-54	A-3-55	33'
F.H. FROM	8" VALVE	32'	A-3-55	A-3-56	33'

REVIEWED FOR NATURAL RESOURCES CONSERVATION SERVICE AND MEETS TECHNICAL REQUIREMENT

Signature: *J.A. Warfield* DATE: 1/11/11

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

Signature: *John H. Peterson* DATE: 1/12/11

ADDITIONAL "ASBUILT" INFO -> this sheet

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH CONSTRUCTION PLANS SDP-01-12.

DMW
Daft-McCune-Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4705



DESIGN BY:	RTS, MSS
DRAWN BY:	MSS
CHECKED BY:	
DATE:	8/30/00
BY NO.	1
REVISION	ASBUILT CONDITIONS ADDED TO PLAN 8/24/01
DATE	

VICINITY MAP

SCALE: 1"=600'

BENCHMARK

POINT No.	DESCRIPTION	ELEV.	N	E
195	1/2" x 18" REBAR w/ TRAY. CAP	445.28	N 561932.019	E 1331138.577
206	1/2" x 18" REBAR w/ TRAY. CAP	374.53	N 559936.249	E 1332328.583
220	1/2" x 18" REBAR w/ TRAY. CAP	457.14	N 561238.646	E 1329635.522

TYPE OF BUILDING:	TOWNHOUSE
NO. OF UNITS:	61
NO. OF WATER SINGLE HOUSE CONNECTIONS:	1
NO. OF WATER DOUBLE HOUSE CONNECTIONS:	30
DRAINAGE AREA:	MIDDLE PATURMENT
TREATMENT PLANT:	LITTLE PATURMENT WATER QUALITY MANAGEMENT CENTER, SAVAGE, HOWARD COUNTY

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Signature: *Robert M. Beisser* 1-9-01
CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Signature: *John H. Peterson* 1/12/11
CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

TITLE SHEET

VILLAGE OF RIVER HILL
SECTION 4, AREA 1
TAX MAP 35, LOT A-3
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
CONTRACT NO. 44-3935-D

SCALE: AS SHOWN
SHEET 1 of 3

SDP 01-12 Wed Jan 3 13:38:42 2001

WATER MAIN LINE 'A'		
STATION	TYPE	LOCATION
0+00	EX. 12" x 8" TEE	GREAT STAR DRIVE @ STA. 13+73.7 RT.
0+46	EX. 8" CAP	GREAT STAR DRIVE @ STA. 13+73.40' LT.
0+00	CONNECT TO EX. WAT.	LINE 'A'
(W) 0+09.28	1/8 HOR. BEND	LINE 'A'
(W) 0+04.07	1/8 HOR. BEND	LINE 'A'
(W) 1+19.84	8" x 8" TEE	TRUMPET SOUND CT. @ STA. 1+65.65 - 4' LT.
(W) 1+25.19	8" VALVE	TRUMPET SOUND CT. @ STA. 1+60.32 - 4' LT.
(W) 2+73.13	1/8 HOR. BEND	TRUMPET SOUND CT. @ STA. 0+12.36 - 4' LT.
(W) 2+38.13	1/8 HOR. BEND	SIGNAL FLAME CT. @ STA. 1+61.13 - 1/2 RT.
(W) 2+38.56	8" x 6" TEE	SIGNAL FLAME CT. @ STA. 1+61.94 - 1/2 RT.
(W) 2+99.31	BEG. 260' RAD.	SIGNAL FLAME CT. @ STA. 1+62.68 - 1/2 RT.
(W) 3+75.94	END 260' RAD.	SIGNAL FLAME CT. @ STA. 2+41.21 - 25' RT.
(W) 4+13.34	BEG. 260' RAD.	SIGNAL FLAME CT. @ STA. 2+79.50 - 1' LT.
(W) 5+15.45	END 260' RAD.	SIGNAL FLAME CT. @ STA. 3+84.75 - 4' RT.
(W) 5+84.35	8" x 8" TEE	SIGNAL FLAME CT. @ STA. 4+53.64 - 4' RT.

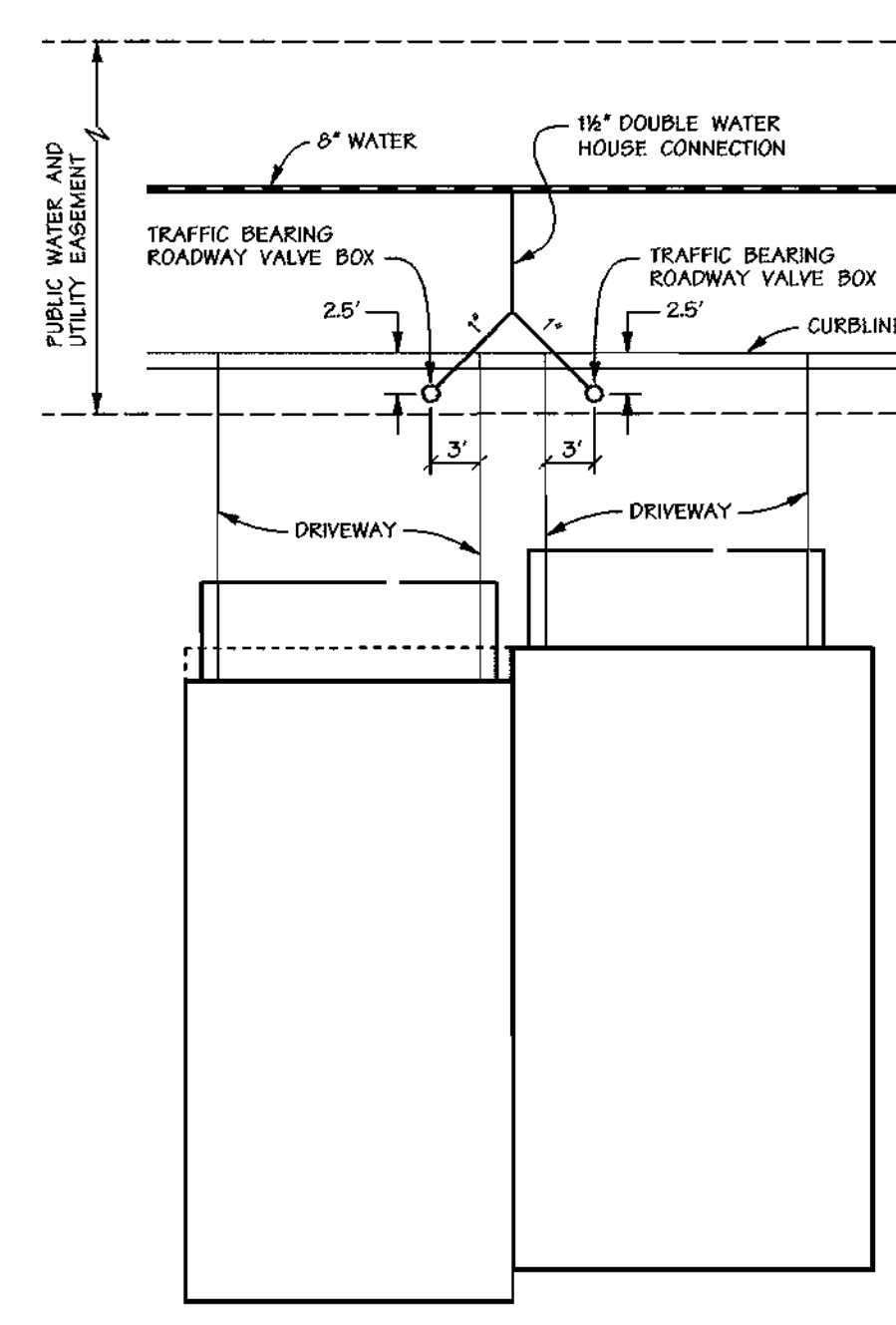
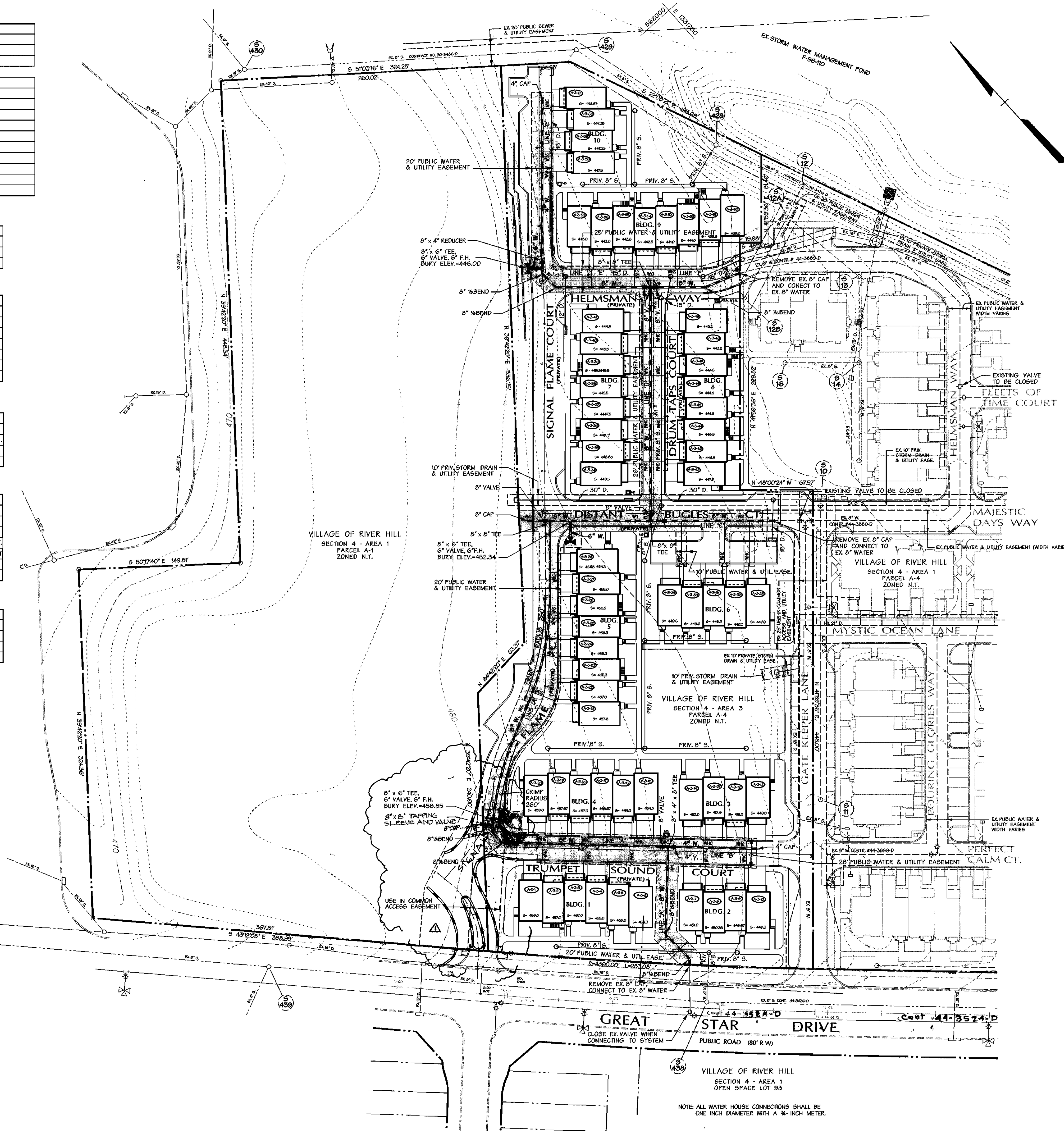
WATER MAIN LINE 'B'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 4" x 8" TEE	TRUMPET SOUND CT. @ STA. 1+65.65 - 4' LT.
(W) 0+05.33	4" VALVE	TRUMPET SOUND CT. @ STA. 1+71.00 - 4' LT.
(W) 0+02.39	4" CAP	TRUMPET SOUND CT. @ STA. 2+04.04 - 4' LT.

WATER MAIN LINE 'C'		
STATION	TYPE	LOCATION
(W) 0+00	8" CAP	SIGNAL FLAME CT. @ STA. 4+53.61 - 17' LT.
(W) 0+16.61	8" VALVE	DISTANT BUGLES CT. @ STA. 0+00 - 7' RT.
(W) 0+21.00	8" x 8" TEE	DISTANT BUGLES CT. @ STA. 0+45.50 - 7' RT.
(W) 0+40.15	8" x 6" TEE	DISTANT BUGLES CT. @ STA. 0+23.65 - 7' RT.
(W) 1+16.43	8" x 8" TEE	DISTANT BUGLES CT. @ STA. 1+37.94 - 7' RT.
(W) 1+27.43	8" VALVE	DISTANT BUGLES CT. @ STA. 1+04.94 - 7' RT.
(W) 2+29.23	8" CAP	DISTANT BUGLES CT. @ STA. 2+12.73 - 7' RT.

WATER MAIN LINE 'D'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 8" TEE	DISTANT BUGLES CT. @ STA. 0+97.95 - 7' RT.
(W) 0+05.33	8" VALVE	DISTANT BUGLES CT. @ STA. 0+97.95 - 17' RT.
(W) 2+11.67	8" VALVE	DRUM TAPS CT. @ STA. 2+04.67 - 3' LT.
(W) 2+17.00	8" x 8" TEE	DRUM TAPS CT. @ STA. 2+10.00 - 3' LT.

WATER MAIN LINE 'E'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 8" TEE	TRUMPET SOUND CT. @ STA. 2+10.00 - 3' LT.
(W) 0+05.33	8" VALVE	HELMSMAN WAY @ STA. 0+94.67 - 6' RT.
(W) 1+07.67	1/8 HOR. BEND	HELMSMAN WAY @ STA. 0+12.33 - 6' RT.
(W) 1+05.66	1/8 HOR. BEND	SIGNAL FLAME CT. @ STA. 6+83.43 - 0.14' RT.
(W) 1+10.66	8" x 6" F.H. TEE	SIGNAL FLAME CT. @ STA. 6+88.42 - 0.53' RT.
(W) 1+17.42	8" x 4" REDUCER	SIGNAL FLAME CT. @ STA. 6+95.15 - 1' RT.
(W) 2+68.94	4" CAP	SIGNAL FLAME CT. @ STA. 6+46.27 - 3' RT.

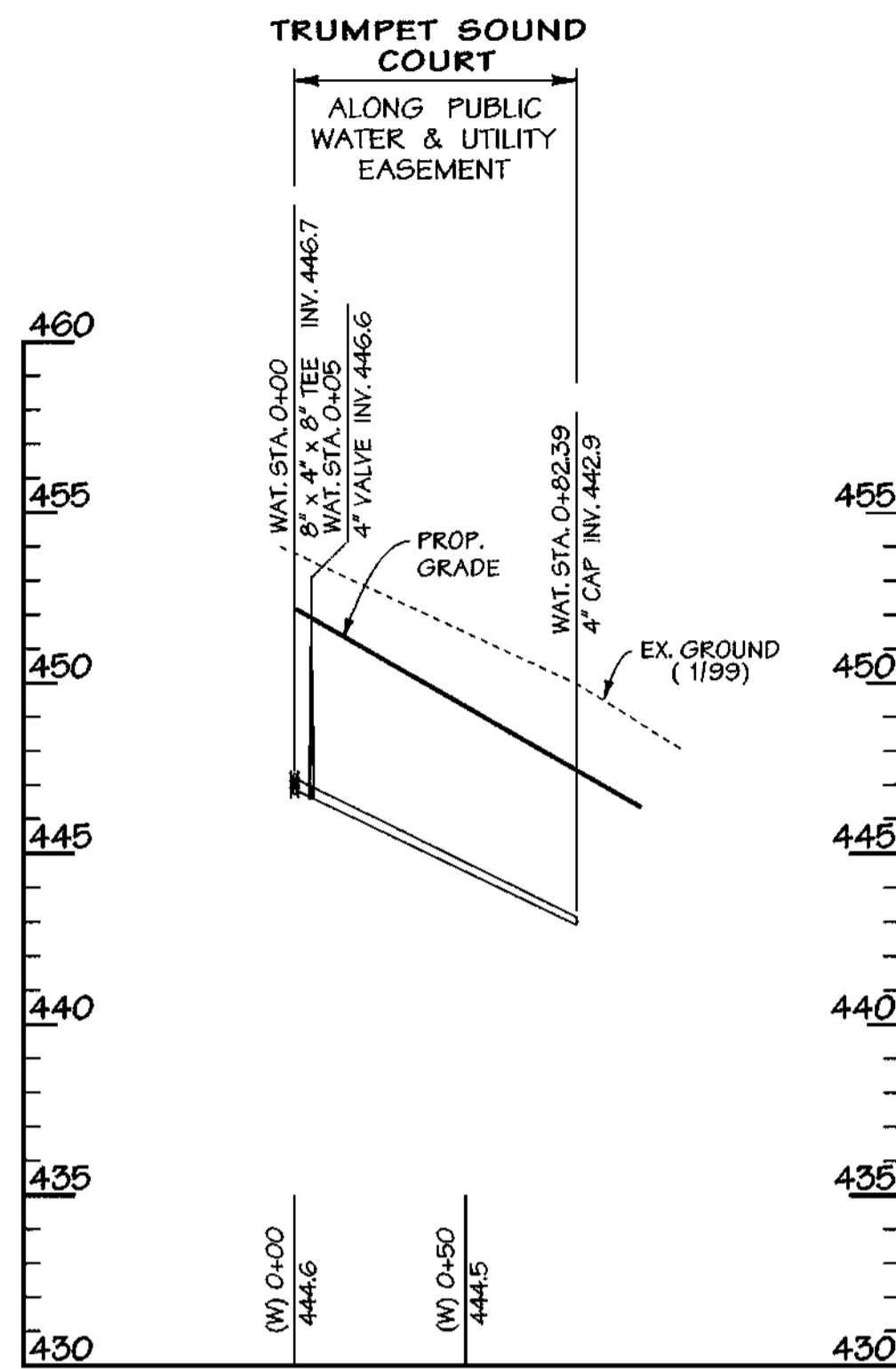
WATER MAIN LINE 'F'		
STATION	TYPE	LOCATION
(W) 0+00	8" x 8" TEE	HELMSMAN WAY @ STA. 1+00 - 6' RT.
(W) 0+05.33	8" VALVE	HELMSMAN WAY @ STA. 1+05.33 - 6' RT.
(W) 0+50.70	1/8 HOR. BEND	HELMSMAN WAY @ STA. 1+50.46 - 6' RT.
(W) 0+85.66	CONN. TO EX. WAT.	HELMSMAN WAY @ STA. 1+83.25 - 3.27' RT.



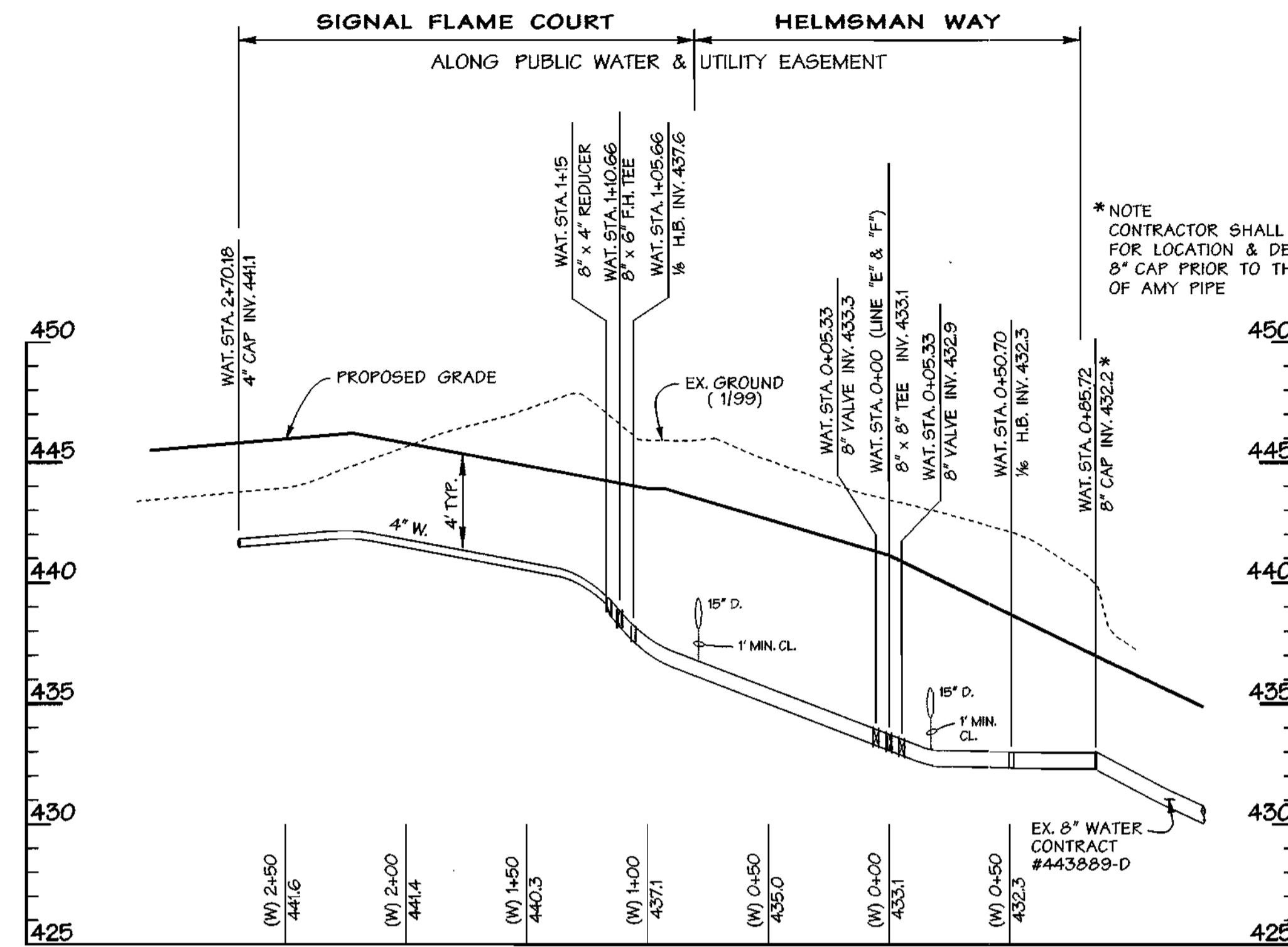
DETAIL
WATER HOUSE CONNECTION
NOT TO SCALE

WATER HOUSE CONNECTIONS					
BLDG. No.	LOT No.	LOCATION	BLDG. No.	LOT No.	LOCATION
1	A-3-1	TRUMPET SOUND COURT @ STA. 0+49.7	7	A-3-34	DRUM TAPS COURT @ STA. 0+48.0
1	A-3-2	TRUMPET SOUND COURT @ STA. 0+49.7	7	A-3-35	DRUM TAPS COURT @ STA. 0+48.0
1	A-3-3	TRUMPET SOUND COURT @ STA. 0+49.7	7	A-3-36	DRUM TAPS COURT @ STA. 0+48.0
1	A-3-4	TRUMPET SOUND COURT @ STA. 1+29.7	7	A-3-37	DRUM TAPS COURT @ STA. 1+28.0
1	A-3-5	TRUMPET SOUND COURT @ STA. 1+29.7	7	A-3-38	DRUM TAPS COURT @ STA. 1+28.0
2	A-3-6	TRUMPET SOUND COURT @ STA. 0+98.7	7	A-3-39	DRUM TAPS COURT @ STA. 1+68.0
2	A-3-7	TRUMPET SOUND COURT @ STA. 0+98.7	7	A-3-40	DRUM TAPS COURT @ STA. 1+68.0
2	A-3-8	TRUMPET SOUND COURT @ STA. 0+98.7	7	A-3-41	DRUM TAPS COURT @ STA. 1+68.0
2	A-3-9	TRUMPET SOUND COURT @ STA. 2+38.7	8	A-3-42	DRUM TAPS COURT @ STA. 0+48.0
2	A-3-10	TRUMPET SOUND COURT @ STA. 2+38.7	8	A-3-43	DRUM TAPS COURT @ STA. 0+48.0
3	A-3-11	TRUMPET SOUND COURT @ STA. 2+38.1	8	A-3-44	DRUM TAPS COURT @ STA. 0+48.0
3	A-3-12	TRUMPET SOUND COURT @ STA. 1+98.1	8	A-3-45	DRUM TAPS COURT @ STA. 1+28.0
3	A-3-13	TRUMPET SOUND COURT @ STA. 1+98.1	8	A-3-46	DRUM TAPS COURT @ STA. 1+28.0
3	A-3-14	TRUMPET SOUND COURT @ STA. 1+34.0	8	A-3-47	DRUM TAPS COURT @ STA. 1+68.0
4	A-3-15	TRUMPET SOUND COURT @ STA. 1+34.0	8	A-3-48	DRUM TAPS COURT @ STA. 1+68.0
4	A-3-16	TRUMPET SOUND COURT @ STA. 1+34.0	8	A-3-49	DRUM TAPS COURT @ STA. 1+68.0
4	A-3-17	TRUMPET SOUND COURT @ STA. 0+84.0	9	A-3-50	HELMSMAN COURT @ STA. 1+70.5
4	A-3-18	TRUMPET SOUND COURT @ STA. 0+84.0	9	A-3-51	HELMSMAN COURT @ STA. 1+25.0
4	A-3-19	TRUMPET SOUND COURT @ STA. 0+84.0	9	A-3-52	HELMSMAN COURT @ STA. 1+25.0
4	A-3-20	TRUMPET SOUND COURT @ STA. 2+90.3	9	A-3-53	HELMSMAN COURT @ STA. 0+85.0
5	A-3-21	SIGNAL FLAME COURT @ STA. 2+90.3	9	A-3-54	HELMSMAN COURT @ STA. 0+85.0
5	A-3-22	SIGNAL FLAME COURT @ STA. 2+90.3	9	A-3-55	HELMSMAN COURT @ STA. 0+85.0
5	A-3-23	SIGNAL FLAME COURT @ STA. 2+90.3	9	A-3-56	HELMSMAN COURT @ STA. 0+85.0
5	A-3-24	SIGNAL FLAME COURT @ STA. 2+90.3	9	A-3-57	SIGNAL FLAME COURT @ STA. 7+96.3
5	A-3-25	SIGNAL FLAME COURT @ STA. 2+90.3	10	A-3-58	SIGNAL FLAME COURT @ STA. 7+96.3
5	A-3-26	SIGNAL FLAME COURT @ STA. 4+05.6	10	A-3-59	SIGNAL FLAME COURT @ STA. 8+36.3
5	A-3-27	SIGNAL FLAME COURT @ STA. 4+05.6	10	A-3-60	SIGNAL FLAME COURT @ STA. 8+36.3
6	A-3-28	DISTANT BUGLES COURT @ STA. 1+26.5			
6	A-3-29	DISTANT BUGLES COURT @ STA. 1+26.5			
6	A-3-30	DISTANT BUGLES COURT @ STA. 1+26.5			
6	A-3-31	DISTANT BUGLES COURT @ STA. 1+26.5			
6	A-3-32	DISTANT BUGLES COURT @ STA. 1+26.5			
6	A-3-33	DISTANT BUGLES COURT @ STA. 1+26.5			

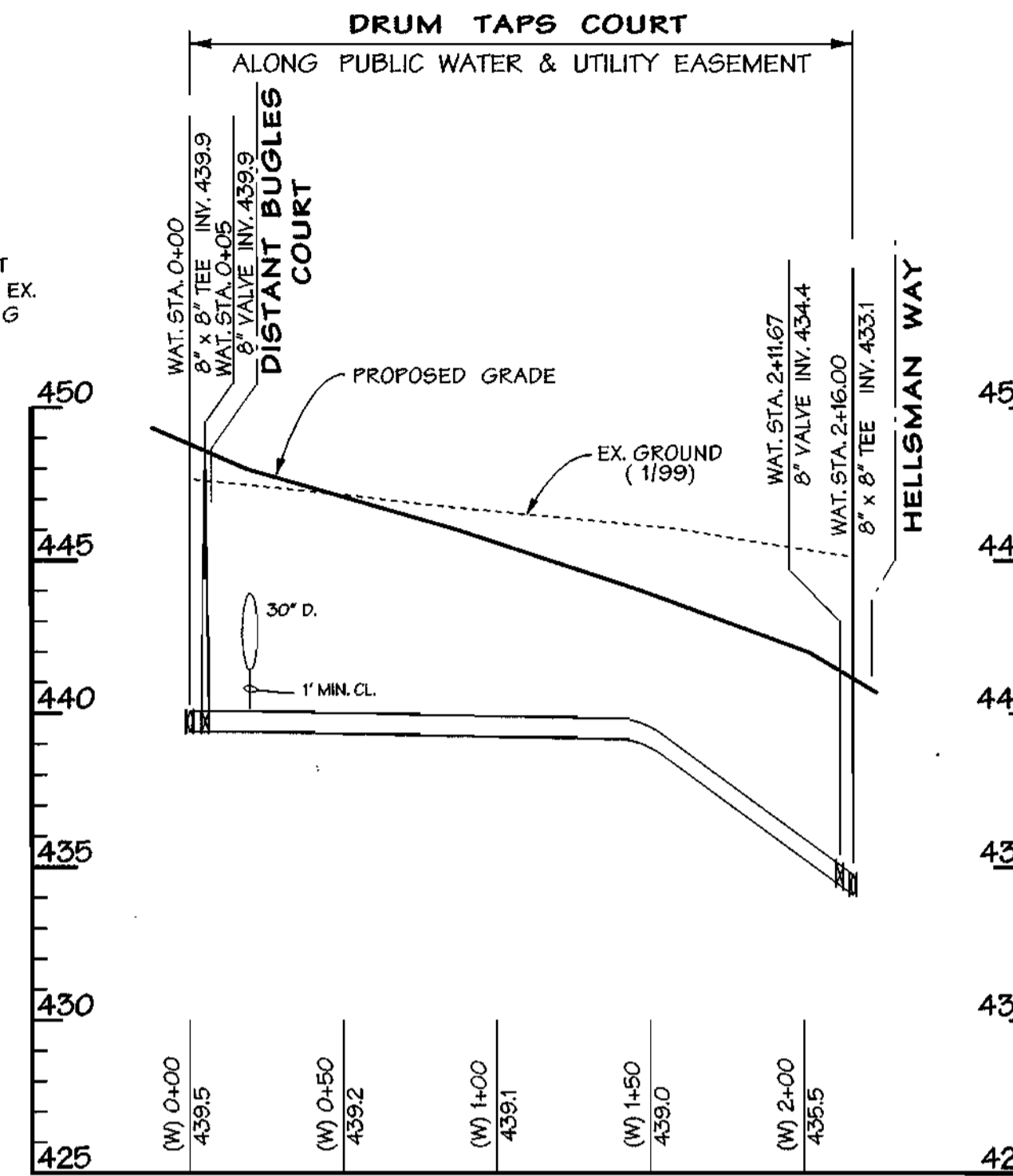
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Robert M. Brunner</i> 1-9-01 CHIEF - BUREAU OF UTILITIES - DATE	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND <i>John D. ...</i> 1/12/01 CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE	DMW Dafr-McCune-Walker, Inc. A Team of Land Planners, Landscape Architects, Golf Course Architects, Engineers, Surveyors & Environmental Professionals 290 East Pennsylvania Avenue Towson, Maryland 21286 (410) 286-3333 Fax 286-4705	DESIGN BY: RLH DRAWN BY: KDE/MSS CHECKED BY: KCI 2 ASBUILT CONDITIONS ADDED TO PLAN 8/13/01 AJS 1 REMOVE ENT. TO SIGNAL FLAME, REV. F.H. 6/26/01 DATE: 8-30-00 BY NO. REVISION DATE	WATER PLAN 800 SCALE MAP NO. 35 BLOCK NO. 1	VILLAGE OF RIVER HILL SECTION 4, AREA 1 TAX MAP 35, LOT A-3 5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND CONTRACT NO. 44-3935-D	SCALE: 1"=50'
						SHEET 2 of 3



LINE "B"



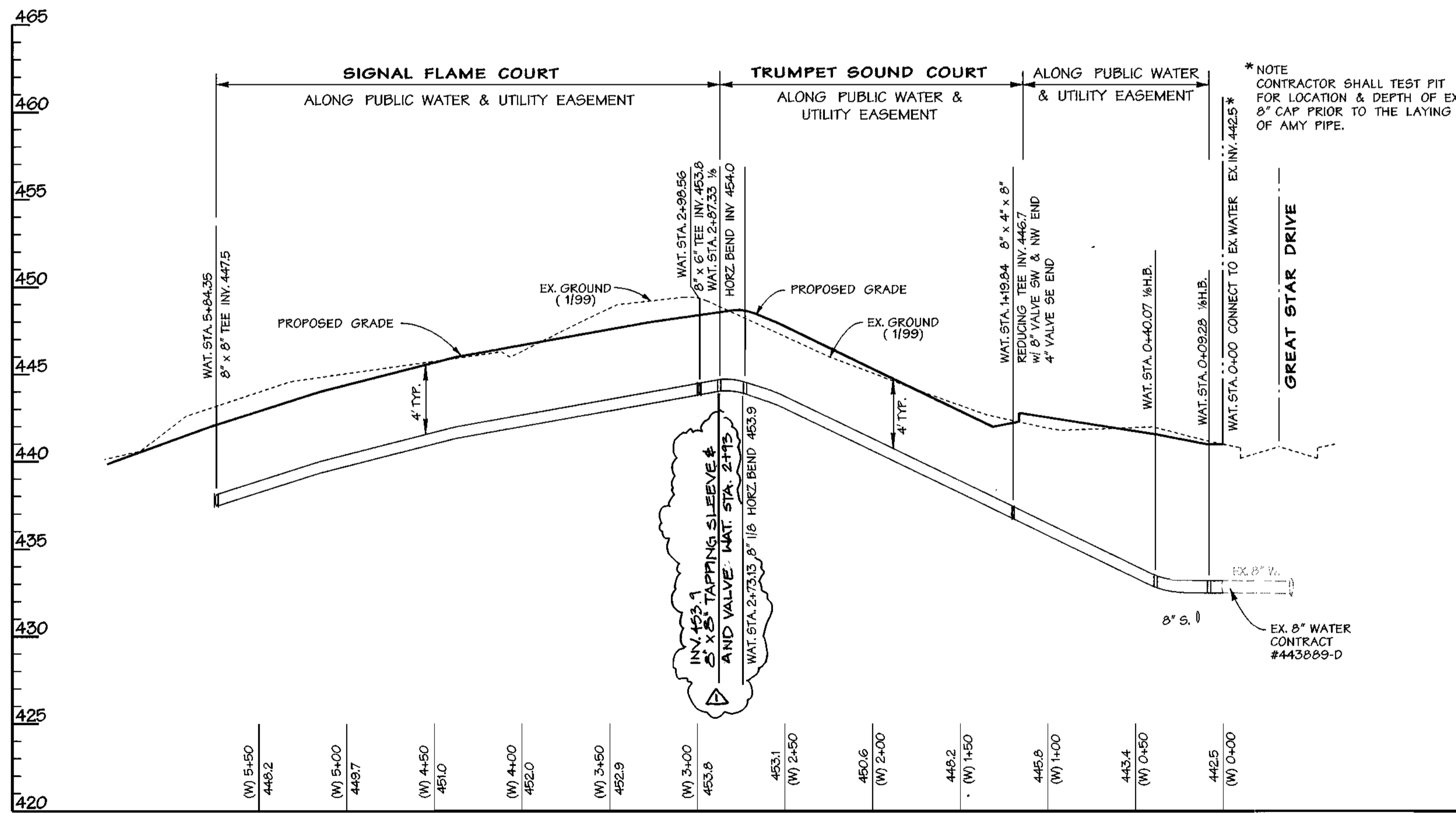
LINE "E"



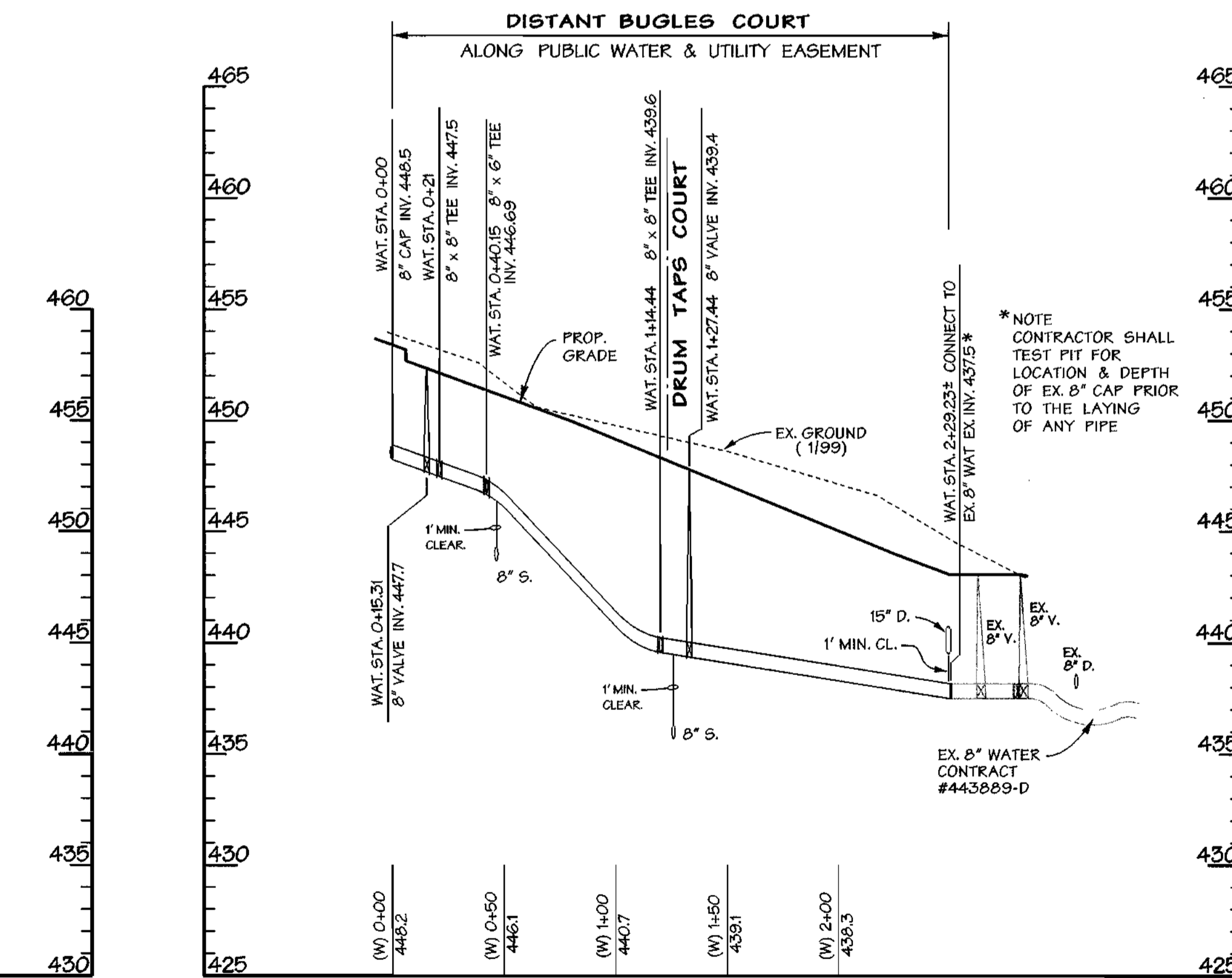
LINE "D"

WATER MAIN PROFILES

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



LINE "A"



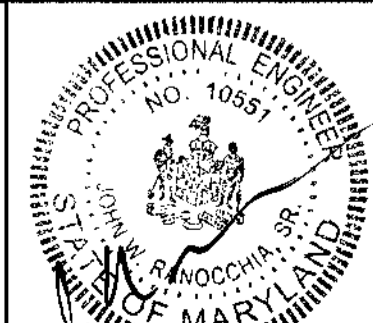
LINE "C"

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND



A Team of Land Planners,
Landscape Architects,
Civil Engineers, Surveyors &
Environmental Professionals



DESIGN BY:	RLH, TS
DRAWN BY:	KDE, MSS
CHECKED BY:	
DATE:	8-30-00
BY:	AJB
NO.:	1
REVISION:	ADD 8" x 8" T.S. & V. TO WATER LINE "A"
DATE:	6-26-01

WATER PROFILES

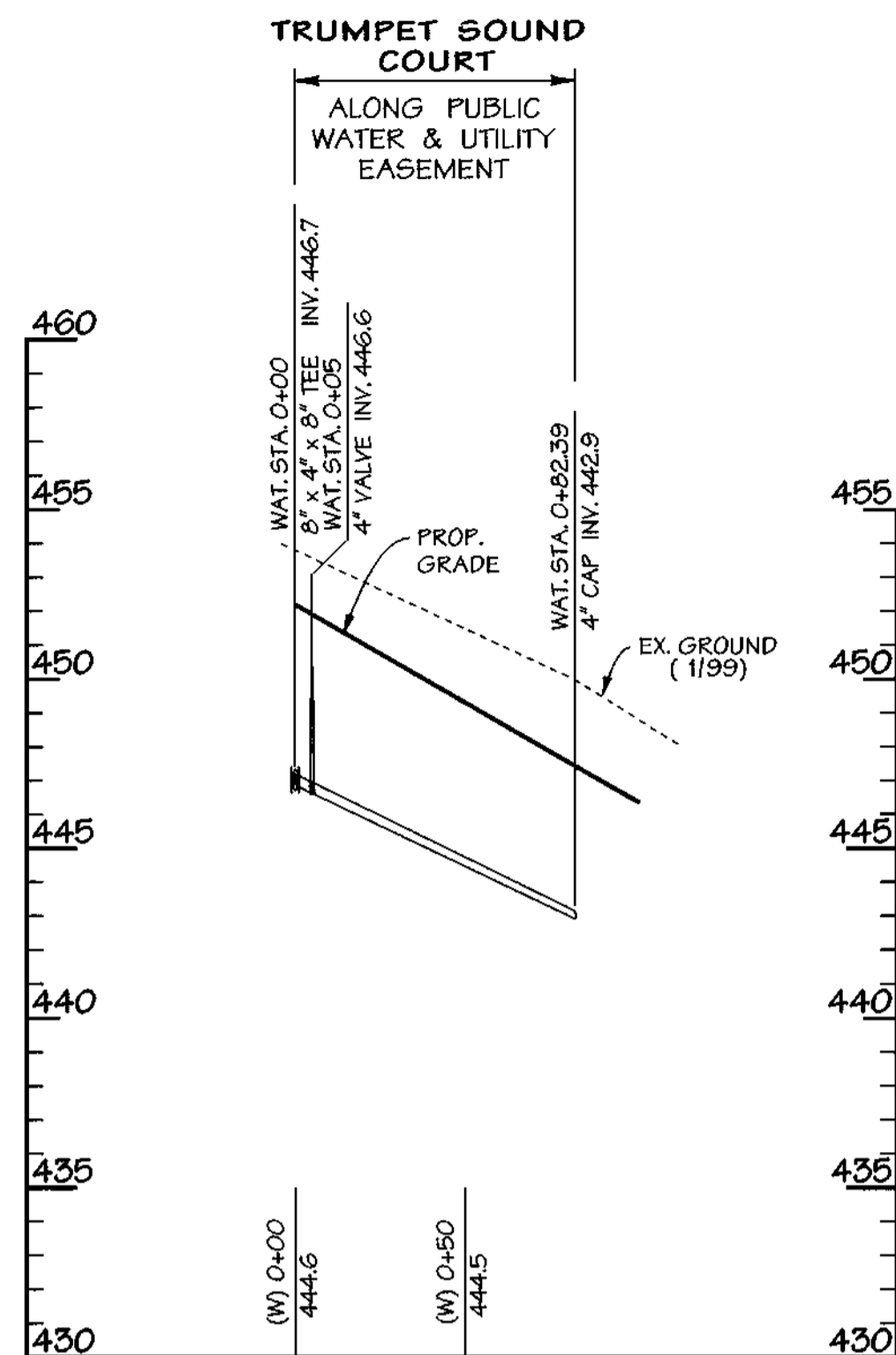
VILLAGE OF RIVER HILL

SECTION 4, AREA 1
TAX MAP 35, LOT A-3
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

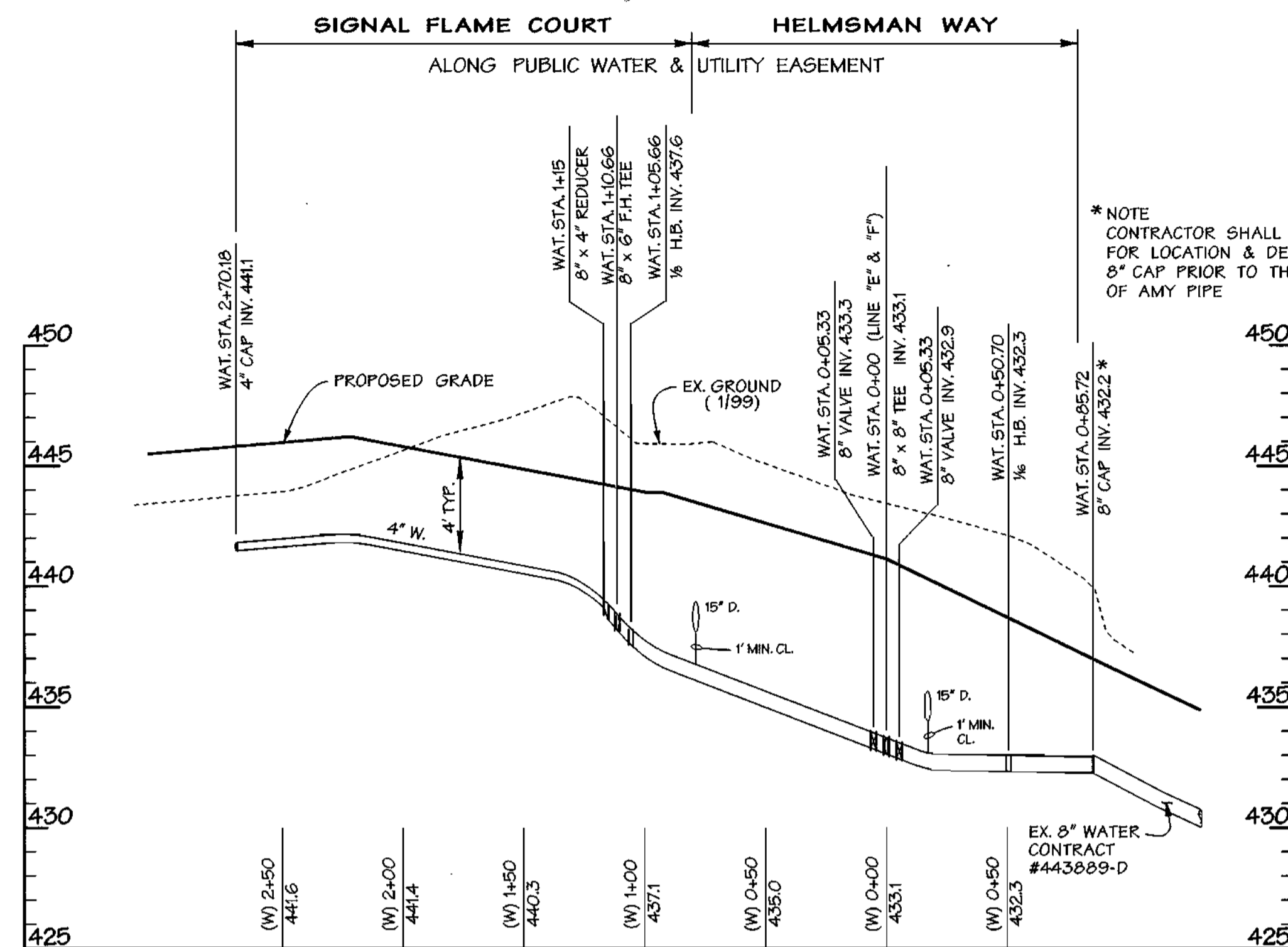
CONTRACT NO. 44-3935-D

SCALE:
AS
SHOWN

SHEET
3 of 3

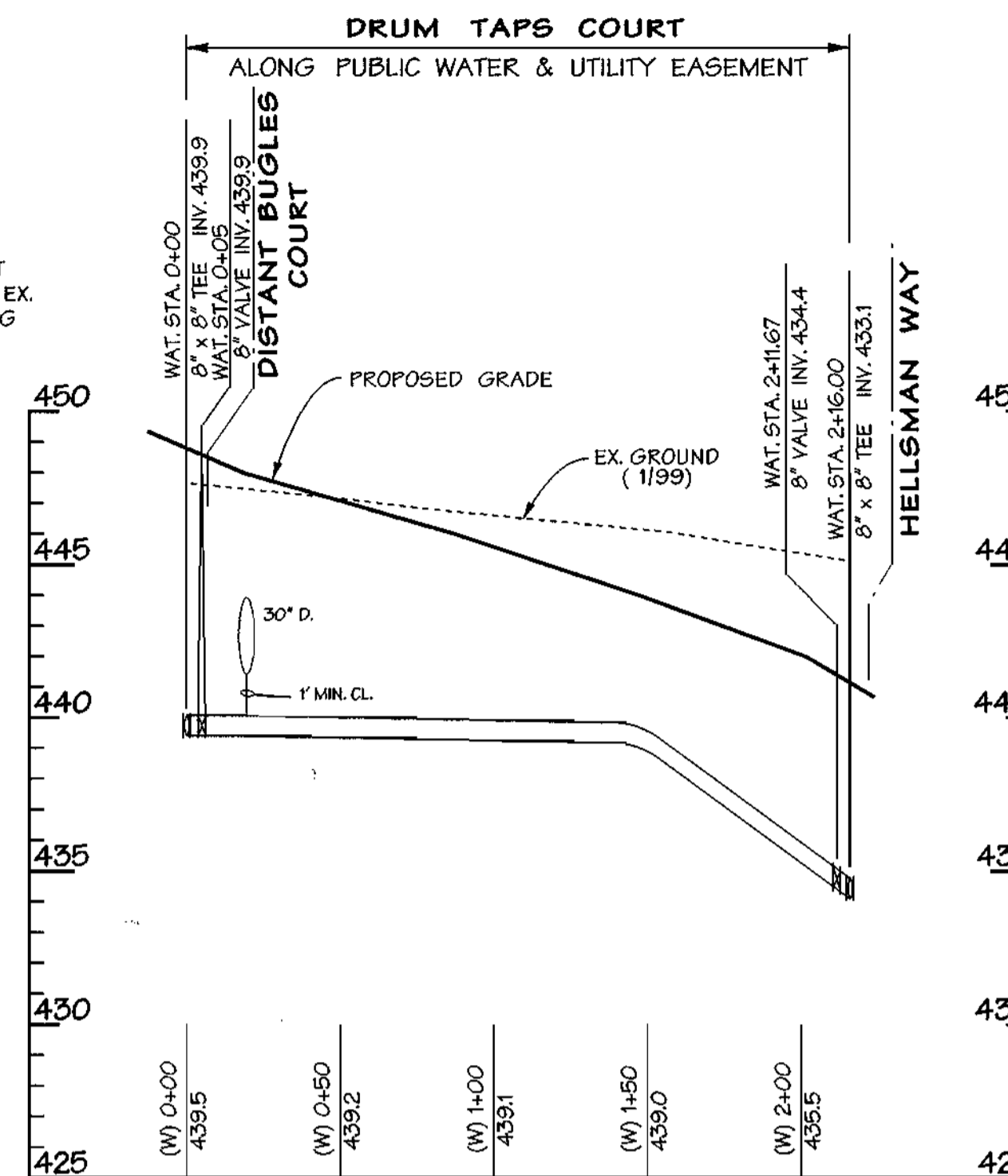


LINE "B"



LINE "E"

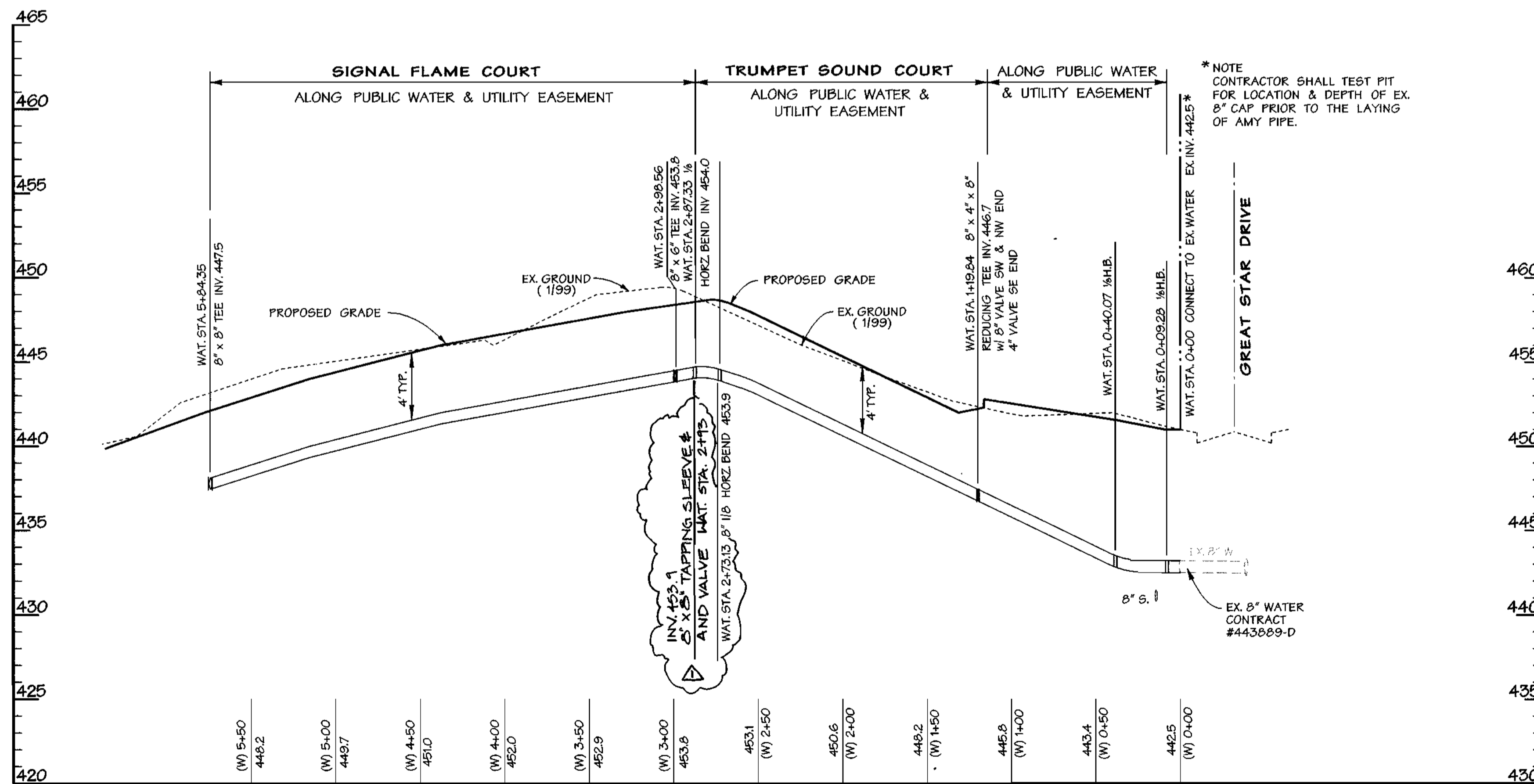
LINE "F"



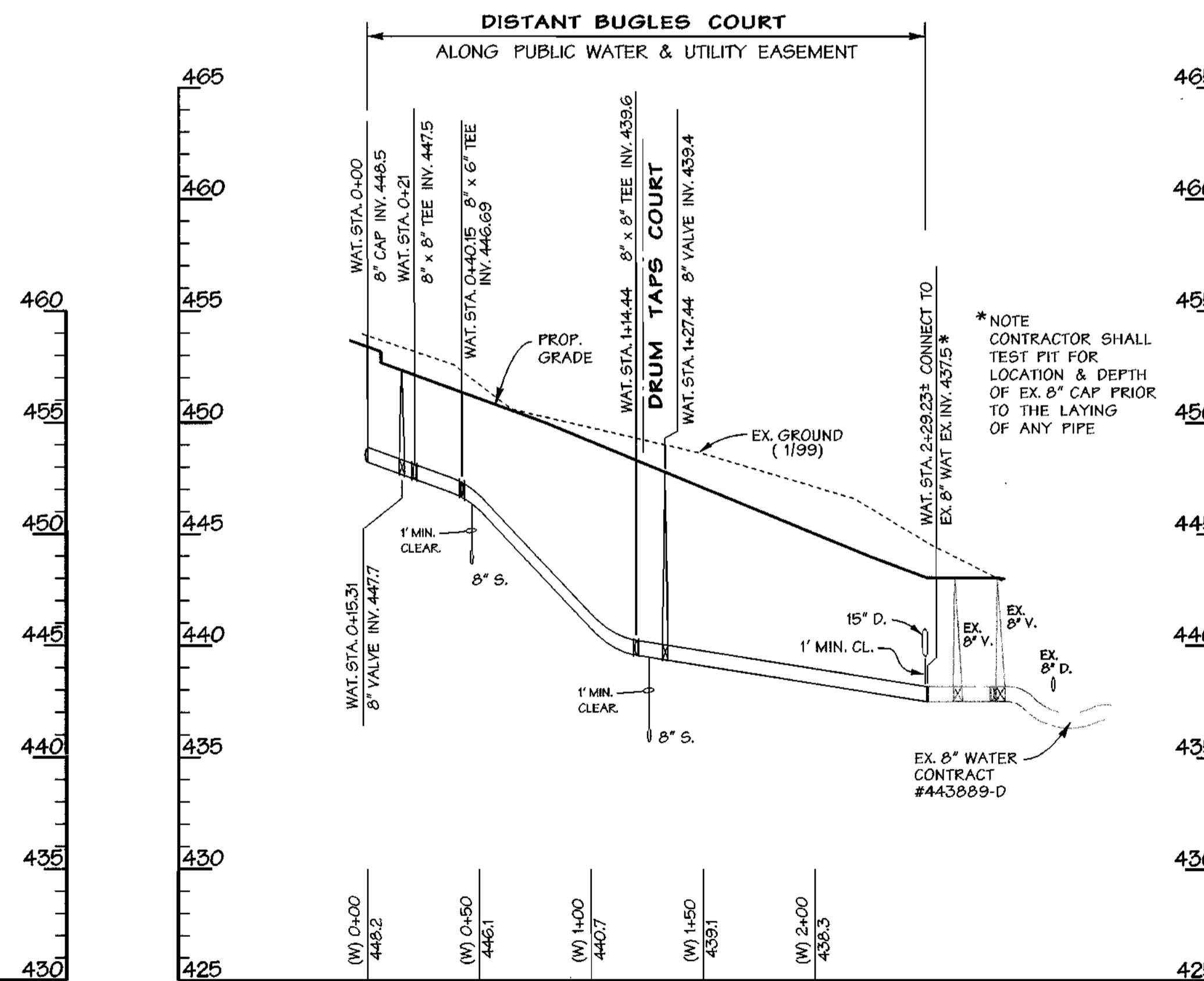
LINE "D"

WATER MAIN PROFILES

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



LINE "A"



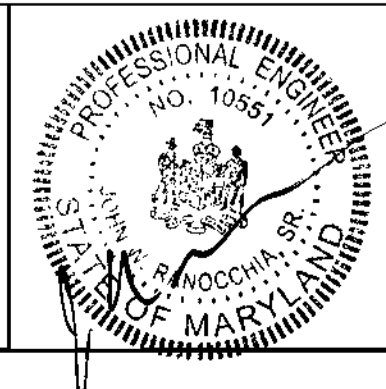
LINE "C"

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND



A Team of Land Planners,
Landscape Architects,
Civil Engineers, Surveyors &
Environmental Professionals



DESIGN BY:
RLH, TS

DRAWN BY:
KDE, MSS

CHECKED BY:

DATE:
8-30-00

BY NO. REVISION

DATE

800 SCALE MAP NO. 35 BLOCK NO. 1

WATER PROFILES

VILLAGE OF RIVER HILL

SECTION 4, AREA 1
TAX MAP 35, LOT A-3
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

CONTRACT NO. 44-3935-D

SCALE:
AS
SHOWN

SHEET
3 of 3

WATER MAIN LINE 'A'		
STATION	TYPE	LOCATION
0+00	EX. 12" Ø TEE	GREAT STAR DRIVE & STA. 13+73.7' RT.
0+46	EX. Ø" CAP	GREAT STAR DRIVE & STA. 13+73.40' LT.
0+00	CONNECT TO EX. WAT.	LINE 'A'
(W) 0+09.28	1/4 HOR. BEND	LINE 'A'
(W) 0+02.07	1/4 HOR. BEND	LINE 'A'
(W) 1+19.84	Ø" x Ø" TEE	TRUMPET SOUND CT. & STA. 1+65.68 - 4' LT.
(W) 1+25.10	Ø" VALVE	TRUMPET SOUND CT. & STA. 1+60.32 - 4' LT.
(W) 2+73.13	1/4 HOR. BEND	TRUMPET SOUND CT. & STA. 0+26.36 - 4' LT.
(W) 2+83.13	1/4 HOR. BEND	SIGNAL FLAME CT. & STA. 1+61.13 - 1.6' RT.
(W) 2+89.56	Ø" x Ø" TEE	SIGNAL FLAME CT. & STA. 1+61.94 - 1.6' RT.
(W) 2+99.31	BEG. 260' RAD.	SIGNAL FLAME CT. & STA. 1+62.68 - 1.6' RT.
(W) 3+75.94	END 260' RAD.	SIGNAL FLAME CT. & STA. 2+41.21 - 2.6' RT.
(W) 4+13.34	BEG. 260' RAD.	SIGNAL FLAME CT. & STA. 2+79.50 - 1' LT.
(W) 5+15.45	END 260' RAD.	SIGNAL FLAME CT. & STA. 3+84.75 - 4' RT.
(W) 5+84.35	Ø" x Ø" TEE	SIGNAL FLAME CT. & STA. 4+53.64 - 4' RT.

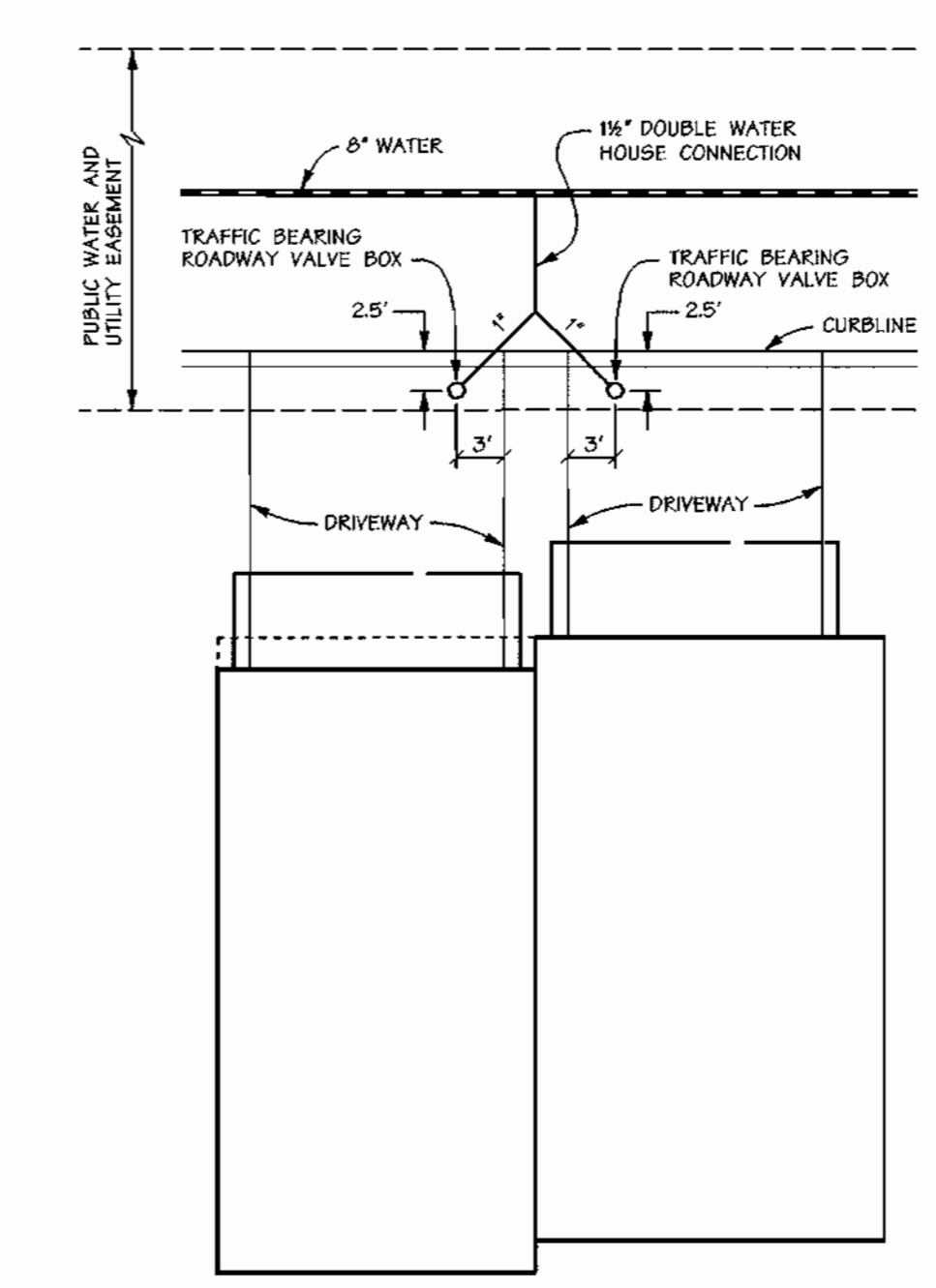
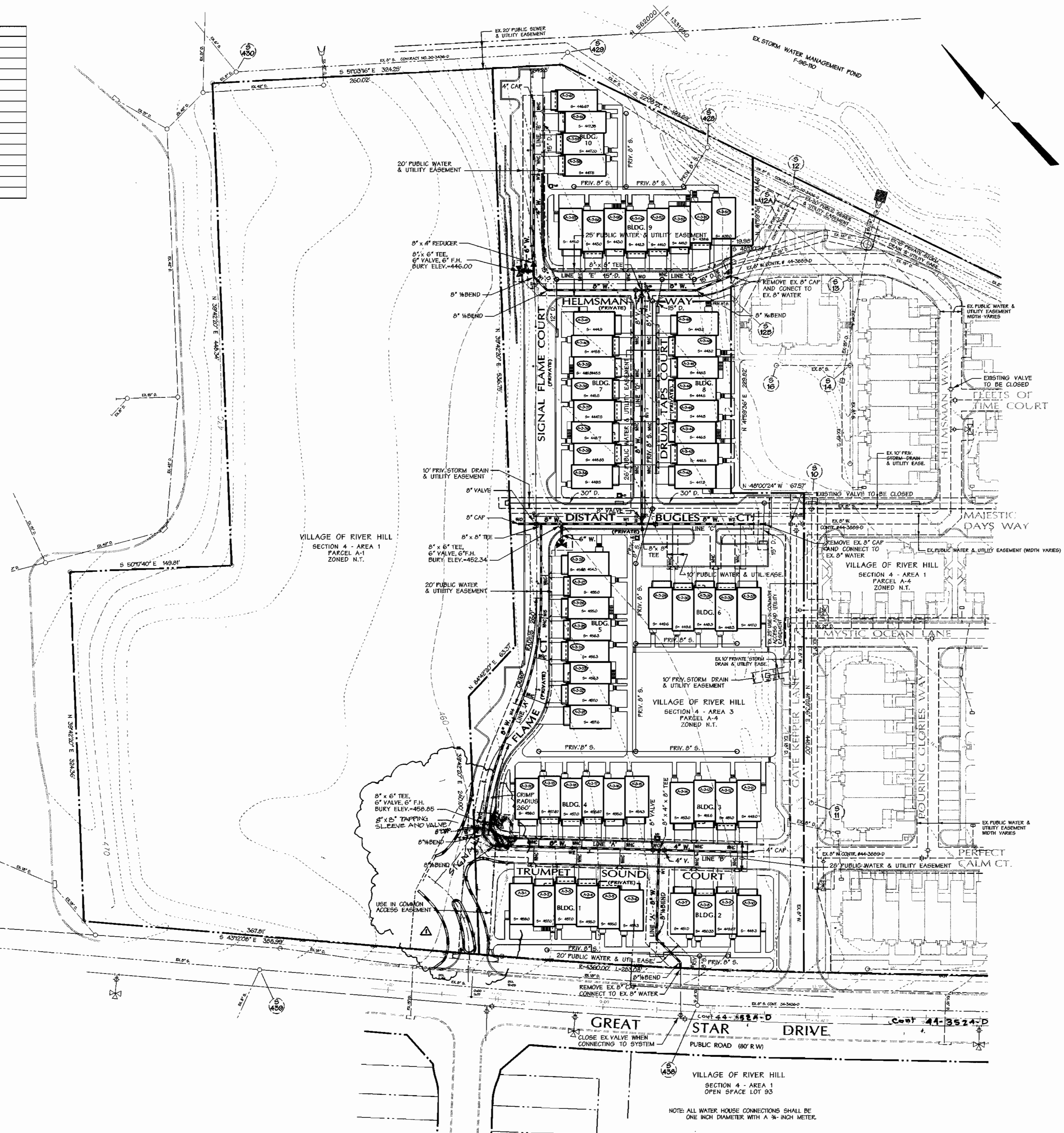
WATER MAIN LINE 'B'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x 4" x Ø" TEE	TRUMPET SOUND CT. & STA. 1+55.69 - 4' LT.
(W) 0+05.33	4" VALVE	TRUMPET SOUND CT. & STA. 1+71.00 - 4' LT.
(W) 0+82.39	4" CAP	TRUMPET SOUND CT. & STA. 2+49.04 - 4' LT.

WATER MAIN LINE 'C'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" CAP	SIGNAL FLAME CT. & STA. 4+53.91 - 17' LT.
(W) 0+16.61	Ø" VALVE	DISTANT BUGLES CT. & STA. 0+00 - 7' RT.
(W) 0+21.00	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 0+24.50 - 7' RT.
(W) 0+40.15	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 0+23.68 - 7' RT.
(W) 1+44.43	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 1+37.94 - 7' RT.
(W) 1+27.43	Ø" VALVE	DISTANT BUGLES CT. & STA. 1+33.94 - 7' RT.
(W) 2+29.23	Ø" CAP	DISTANT BUGLES CT. & STA. 2+12.73 - 7' RT.

WATER MAIN LINE 'D'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x Ø" TEE	DISTANT BUGLES CT. & STA. 0+97.95 - 7' RT.
(W) 0+05.33	Ø" VALVE	DISTANT BUGLES CT. & STA. 0+97.95 - 17' RT.
(W) 2+11.67	Ø" VALVE	DRUM TAPS CT. & STA. 2+04.67 - 3' LT.
(W) 2+17.00	Ø" x Ø" TEE	DRUM TAPS CT. & STA. 2+10.00 - 3' LT.

WATER MAIN LINE 'E'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x Ø" TEE	TRUMPET SOUND CT. & STA. 2+10.00 - 3' LT.
(W) 0+05.33	Ø" VALVE	HELMSMAN WAY & STA. 0+94.67 - 6' RT.
(W) 1+87.67	1/4 HOR. BEND	HELMSMAN WAY & STA. 0+12.33 - 6' RT.
(W) 1+05.66	1/4 HOR. BEND	SIGNAL FLAME CT. & STA. 6+83.43 - 0.14' RT.
(W) 1+10.66	Ø" x Ø" F.H. TEE	SIGNAL FLAME CT. & STA. 6+86.42 - 0.53' RT.
(W) 1+17.42	Ø" x 4" REDUCER	SIGNAL FLAME CT. & STA. 6+95.15 - 1' RT.
(W) 2+68.94	4" CAP	SIGNAL FLAME CT. & STA. 8+46.27 - 3' RT.

WATER MAIN LINE 'F'		
STATION	TYPE	LOCATION
(W) 0+00	Ø" x Ø" TEE	HELMSMAN WAY & STA. 1+00 - 6' RT.
(W) 0+05.33	Ø" VALVE	HELMSMAN WAY & STA. 1+05.33 - 6' RT.
(W) 0+50.70	1/4 HOR. BEND	HELMSMAN WAY & STA. 1+50.46 - 6' RT.
(W) 0+85.66	CONN. TO EX. WAT.	HELMSMAN WAY & STA. 1+83.28 - 3.29' RT.



DETAIL
WATER HOUSE CONNECTION
NOT TO SCALE

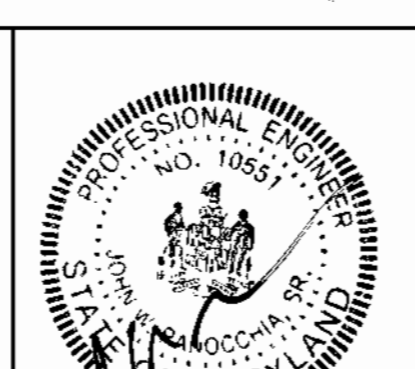
WATER HOUSE CONNECTIONS					
BLDG. No.	LOT No.	LOCATION	BLDG. No.	LOT No.	LOCATION
1	A-3-1	TRUMPET SOUND COURT & STA. 0+49.7	7	A-3-34	DRUM TAPS COURT & STA. 0+48.0
1	A-3-2	TRUMPET SOUND COURT & STA. 0+49.7	7	A-3-35	DRUM TAPS COURT & STA. 0+48.0
1	A-3-3	TRUMPET SOUND COURT & STA. 0+49.7	7	A-3-36	DRUM TAPS COURT & STA. 0+48.0
1	A-3-4	TRUMPET SOUND COURT & STA. 0+49.7	7	A-3-37	DRUM TAPS COURT & STA. 0+48.0
1	A-3-5	TRUMPET SOUND COURT & STA. 1+29.7	7	A-3-38	DRUM TAPS COURT & STA. 1+28.0
1	A-3-6	TRUMPET SOUND COURT & STA. 1+29.7	7	A-3-39	DRUM TAPS COURT & STA. 1+28.0
2	A-3-7	TRUMPET SOUND COURT & STA. 0+98.7	7	A-3-40	DRUM TAPS COURT & STA. 1+68.0
2	A-3-8	TRUMPET SOUND COURT & STA. 0+98.7	7	A-3-41	DRUM TAPS COURT & STA. 1+68.0
2	A-3-9	TRUMPET SOUND COURT & STA. 2+38.7	8	A-3-42	DRUM TAPS COURT & STA. 0+48.0
2	A-3-10	TRUMPET SOUND COURT & STA. 2+38.7	8	A-3-43	DRUM TAPS COURT & STA. 0+48.0
3	A-3-11	TRUMPET SOUND COURT & STA. 2+56.1	8	A-3-44	DRUM TAPS COURT & STA. 0+48.0
3	A-3-12	TRUMPET SOUND COURT & STA. 2+56.1	8	A-3-45	DRUM TAPS COURT & STA. 0+48.0
3	A-3-13	TRUMPET SOUND COURT & STA. 1+98.1	8	A-3-46	DRUM TAPS COURT & STA. 1+28.0
3	A-3-14	TRUMPET SOUND COURT & STA. 1+98.1	8	A-3-47	DRUM TAPS COURT & STA. 1+28.0
4	A-3-15	TRUMPET SOUND COURT & STA. 1+34.0	8	A-3-48	DRUM TAPS COURT & STA. 1+68.0
4	A-3-16	TRUMPET SOUND COURT & STA. 1+34.0	8	A-3-49	DRUM TAPS COURT & STA. 1+68.0
4	A-3-17	TRUMPET SOUND COURT & STA. 0+94.0	9	A-3-50	HELMSMAN COURT & STA. 1+70.8
4	A-3-18	TRUMPET SOUND COURT & STA. 0+94.0	9	A-3-51	HELMSMAN COURT & STA. 1+70.8
4	A-3-19	TRUMPET SOUND COURT & STA. 0+54.0	9	A-3-52	HELMSMAN COURT & STA. 1+25.0
4	A-3-20	TRUMPET SOUND COURT & STA. 0+54.0	9	A-3-53	HELMSMAN COURT & STA. 1+25.0
5	A-3-21	SIGNAL FLAME COURT & STA. 2+90.3	9	A-3-54	HELMSMAN COURT & STA. 0+85.0
5	A-3-22	SIGNAL FLAME COURT & STA. 2+90.3	9	A-3-55	HELMSMAN COURT & STA. 0+85.0
5	A-3-23	SIGNAL FLAME COURT & STA. 3+29.6	9	A-3-56	HELMSMAN COURT & STA. 0+45.0
5	A-3-24	SIGNAL FLAME COURT & STA. 3+29.6	9	A-3-57	HELMSMAN COURT & STA. 0+45.0
5	A-3-25	SIGNAL FLAME COURT & STA. 7+36.3	10	A-3-58	SIGNAL FLAME COURT & STA. 7+36.3
5	A-3-26	SIGNAL FLAME COURT & STA. 7+36.3	10	A-3-59	SIGNAL FLAME COURT & STA. 7+36.3
5	A-3-27	SIGNAL FLAME COURT & STA. 4+05.6	10	A-3-60	SIGNAL FLAME COURT & STA. 8+36.3
5	A-3-28	SIGNAL FLAME COURT & STA. 4+05.6	10	A-3-61	SIGNAL FLAME COURT & STA. 8+36.3
6	A-3-29	DISTANT BUGLES COURT & STA. 1+26.5			
6	A-3-30	DISTANT BUGLES COURT & STA. 1+26.5			
6	A-3-31	DISTANT BUGLES COURT & STA. 1+66.5			
6	A-3-32	DISTANT BUGLES COURT & STA. 1+66.5			
6	A-3-33	DISTANT BUGLES COURT & STA. 1+89.5			

WWS Jan 3 15:52:52 2001 n:\00023\00023.MXD
 R:\M\B\B\1-9-01
 CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 R. M. B... 1-9-01
 CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 M. D... 1/12/01
 CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

DMW
 DaR-McCune-Walker, Inc.
 A Team of Land Planners,
 Landscape Architects,
 Golf Course Architects,
 Engineers, Surveyors &
 Environmental Professionals



DESIGN BY:	RLH
DRAWN BY:	KDE, MSS
CHECKED BY:	R.C.I. 2 ASBUILT CONDITIONS ADDED TO PLAN 8/13/01
DATE:	8-30-00
BY NO.	REVISION
DATE	DATE

WATER PLAN
 600 SCALE MAP NO. 35 BLOCK NO. 1

VILLAGE OF RIVER HILL
 SECTION 4, AREA 1
 TAX MAP 35, LOT A-3
 5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
 CONTRACT NO. 44-3935-D

SCALE:
 1"=50'
 SHEET
 2 of 3