

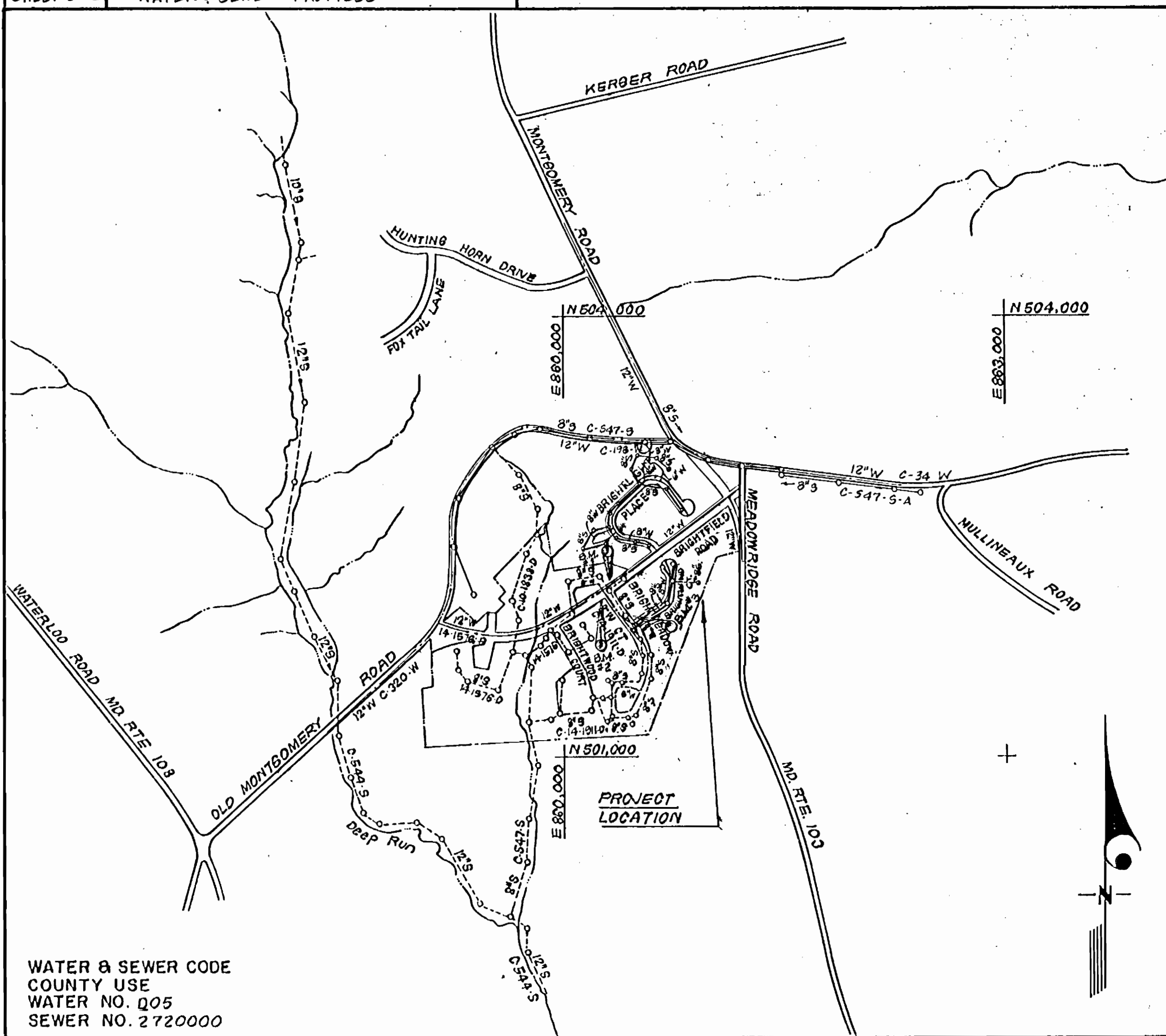
SHEET INDEX

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SHEET 50P5	WATER & SEWER PROFILES

TYPE OF BUILDING	TOWNHOUSES
NO. OF LOTS	130
NO. OF WHC's	134
NO. OF SHC's	134
DRAINAGE AREA	DEEP RUN
WASTEWATER TREATMENT PLANT	PATAPSCO

SEWER HOUSE CONNECTION TABLE

LOT	Inv. at R.	Min. C.	LOT	Inv. at R.	Min. C.
214	385.13	388.53	283	401.82	405.27
215	385.96	389.36	284	401.92	405.36
216	386.57	389.97	285	403.06	406.46
217	387.29	390.69	286	399.00	402.40
218	388.12	391.52	287	397.56	400.96
219	388.85	392.25	288	397.11	400.51
220	389.46	392.86	289	395.72	399.12
221	390.18	393.58	290	393.27	398.67
222	390.73	394.13	291	392.92	397.32
223	390.90	394.30	292	392.38	396.78
224	391.28	394.68	293	392.70	397.10
225	391.64	395.04	294	389.70	393.10
226	391.88	395.28	295	389.16	392.56
227	392.07	395.47	296	388.96	392.36
228	392.38	395.78	297	388.50	391.90
229	392.59	395.99	298	387.85	391.25
230	392.80	396.20	299	387.31	390.71
231	393.42	396.82	300	387.12	390.52
232	393.84	397.23	301	386.55	389.95
233	394.16	397.56	302	386.32	389.72
234	394.51	397.91	303	385.79	389.19
235	394.55	397.95	304	385.50	388.90
236	394.47	397.87	305	385.04	388.44
237	394.47	397.87	306	384.85	388.25
238	394.37	397.77	307	384.49	387.89
239	394.22	397.62	308	384.30	387.70
240	394.07	397.47	309	383.95	387.35
241	394.06	397.46	310	383.25	386.65
242	393.74	397.14	311	383.30	386.70
243	393.48	396.88	312	381.03	384.43
244	389.76	393.16	313	380.59	383.89
245	389.15	392.55	314	380.39	383.79
246	388.42	391.82	315	379.98	383.38
247	387.59	390.99	316	379.67	383.07
248	386.87	390.27	317	379.28	382.68
249	390.78	394.18	318	379.01	382.41
250	390.68	394.08	319	378.96	382.36
251	390.00	393.40	320	378.79	382.19
252	388.78	392.18	321	378.07	381.47
253	388.18	391.58	322	377.84	381.24
254	386.35	389.75	323	377.34	380.74
255	384.73	390.13	324	377.22	380.62
256	384.91	388.31	325	377.06	380.46
257	383.69	387.09	326	376.86	380.26
258	382.95	386.35	327	376.91	380.31
259	381.96	385.36	328	376.28	379.68
260	381.35	384.75	329	375.21	378.61
261	378.39	381.79	330	375.15	378.55
262	379.13	382.53	331	375.13	378.53
263	379.60	383.00	332	374.95	378.35
264	379.80	383.20	333	374.77	378.17
265	380.25	383.65	334	374.52	377.92
266	380.44	383.84	335	374.30	377.70
267	380.90	384.30	336	374.15	377.55
268	381.41	384.81	337	373.85	377.25
269	381.27	384.67	338	373.36	376.76
270	382.17	385.57	339	374.34	377.74
271	384.04	387.44	340	376.73	380.13
272	392.30	395.70	341	378.04	381.44
273	393.56	396.96	342	378.43	381.83
274	394.33	397.73	343	379.20	382.60
275	395.94	399.34	344	383.87	387.27
276	396.08	399.48	345	384.78	388.18
277	397.43	400.83	346	385.88	389.28
278	398.87	402.27	347	385.95	389.35
279	400.09	403.49	348	386.65	390.05
280	400.72	404.12	349	387.34	390.74



BENCHMARKS:
 B.M. #1 C-CUT ON INLETS SOUTHEAST CORNER @ INTERSECTION BRIGHTMEADOW COURT AND BRIGHTFIELD ROAD. ELEVATION @ 386.55
 B.M. #2 X-CUT ON BONNET BOLT OF P.H. @ INTERSECTION OF BRIGHTMEADOW COURT AND BRIGHTFIELD ROAD. ELEVATION @ 384.6
 B.M. #3 C-CUT ON NORTHSIDE CURB 10' WEST OF POWER BOX # 40037 (BRIGHTMEADOW COURT). ELEVATION @ 314.19

VICINITY MAP
SCALE: 1" = 600'

CONTRACT NO. 14-3092-D
BRIGHTFIELD SECTION TWO

LOTS 214 THRU 249 AND LOTS 251 THRU 355, LOTS 249 AND 250 A RESUB-DIVISION OF BRIGHTFIELD SECTION 1, AREA 2 LOTS 127 AND 137

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Signature: James M. Helm
 DATE: 6/12/91

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 Signature: John L. Roberts
 DATE: 6/12/91

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS & FINAL RO CONSTRUCTION PLANS. F-91-53

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Signature: Robert B. Brown
 DATE: 6-7-91

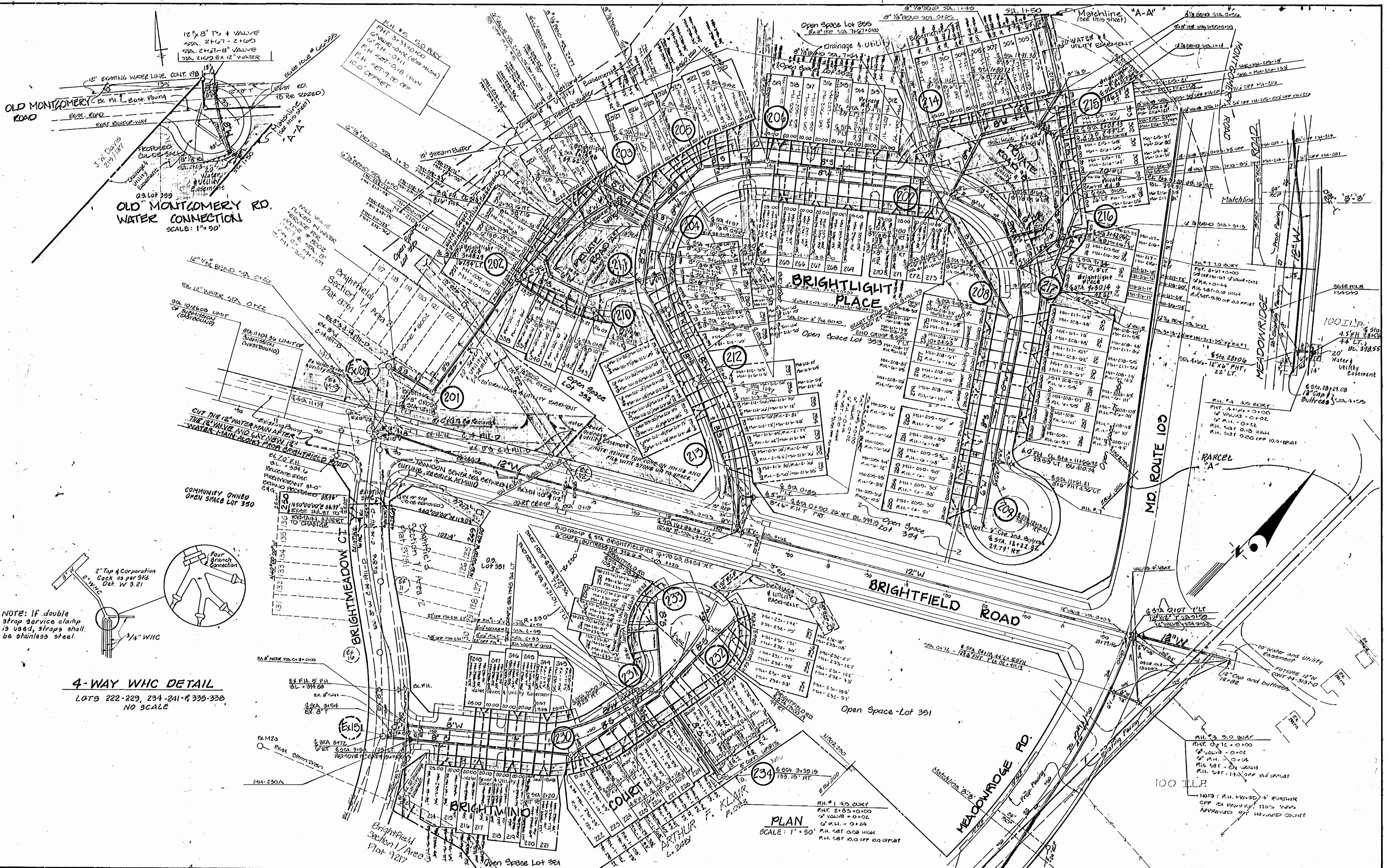
LAND DESIGN ENGINEERING, INC.
 10620 GUILFORD ROAD
 SUITE 210
 JESSUP, MARYLAND 20794
 (301) 604-8264
 (301) 880-0034

DES: J.J.L.	L.M.	1.	Title Block - Lot Numbers	10-9-91
DRN: J.L.	J.L.	2.	Extend 12" W across Meadowridge Rd.	11-9-92
CHK: R.M.	R.M.	3.	Extend SHC to easement limit. Lots 334-331	11-9-92
DATE: 10-90	BY: NO.		REVISION	DATE

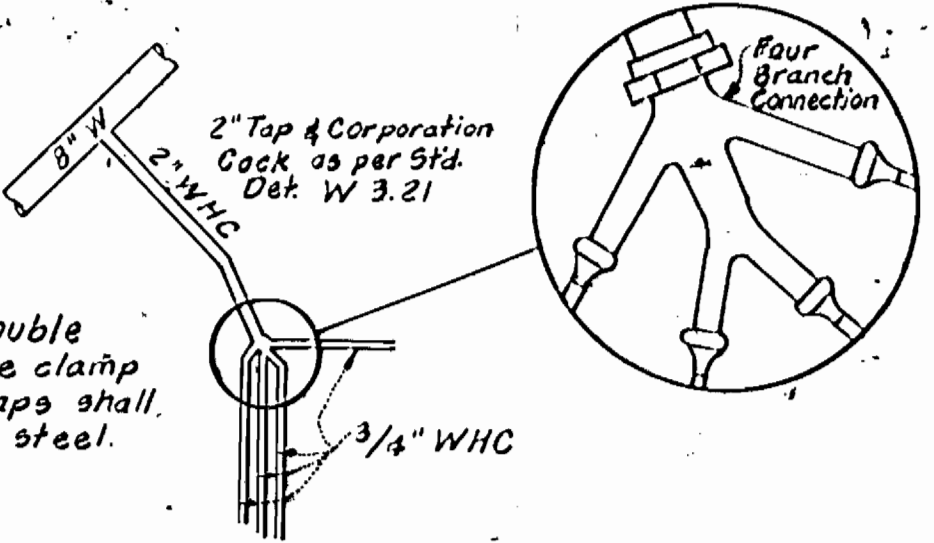
TITLE SHEET

ITEM	EST'D	AS BUILT	QUANTITIES	WATER AS BUILTS
8" W	1978 LF	1978 LF		GRIFIN PIPE PRODUCTS CO.
6" W	715 LF	862 LF		
8" S	2800 LF	2742 LF		J.M. MFG
4" SHC	2862 LF	4817 LF		J.M. MFG
2" WHC	1742 LF	1742 LF		CAMBRIDGE LEE
12" CAP	2 EA	2 EA		UNION FERT.
6" CAP	2 EA	2 EA		
3/4" WHC 1/2"	1882 LF	1882 LF		CAMBRIDGE LEE
FIRE HYDRANT	7 EA	7 EA		MUELLER BRASS
4" O.D. DIAM. MH	2 EA	2 EA		ATLANTIC CONCRETE PRODUCTS CO.
12" X 12" T	1 EA	1 EA		MUELLER BRASS
8" X 6" REDUCER	4 EA	4 EA		
4" V (EXCEPT)	3 EA	12 EA		MUELLER BRASS
8" V	5 EA	4 EA		
12" V	3 EA	3 EA		
12" X 12" T	15 EA	15 EA		GRIFIN PIPE PRODUCTS CO.
12" X 6" T	2 EA	2 EA		UNION FERT.
8" X 6" T	3 EA	3 EA		
12" X 8" T	2 EA	2 EA		

BRIGHTFIELD SECTION 2
 LOTS 214 THRU 249 AND LOTS 251 THRU 355, LOTS 249 AND 250 A RESUB-DIVISION OF BRIGHTFIELD SECTION 1, AREA 2 LOTS 127 AND 137
 1ST ELECTION DISTRICT, HOWARD CO.
 CONTRACT NO. 14-3092-D



OLD MONTGOMERY RD. WATER CONNECTION
SCALE: 1"=50'



4-WAY WHC DETAIL
LOTS 222-229, 234-241 & 335-338
NO SCALE

PLAN
SCALE: 1"=50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works DATE: 6/14/04
Chief, Bureau of Engineering DATE: 6/14/04
Chief, Bureau of Utilities DATE: 6/27/04

LAND DESIGN ENGINEERING, INC.
10620 GUILFORD ROAD
SUITE 210
JESSUP, MARYLAND 20794
(301) 804-8284
(301) 880-0034



DES: DJR/JL	L.M. 1.	Title Block - Lot Numbers	10-4-91
DRN: JL	L.M. 2.	Lot Frontages - Brightwind Ct.	10-4-91
CHK: RM	L.M. 3.	Removed Incorrect Inverts - Brightfield Rd.	10-4-91
DATE: 10-40	NO. 4	Extend 12" water across Meadowridge Rd	11-3-02
BY NO. REVISION	NO. 5	Extend SHC to easement limit lots 334-331	11-3-02

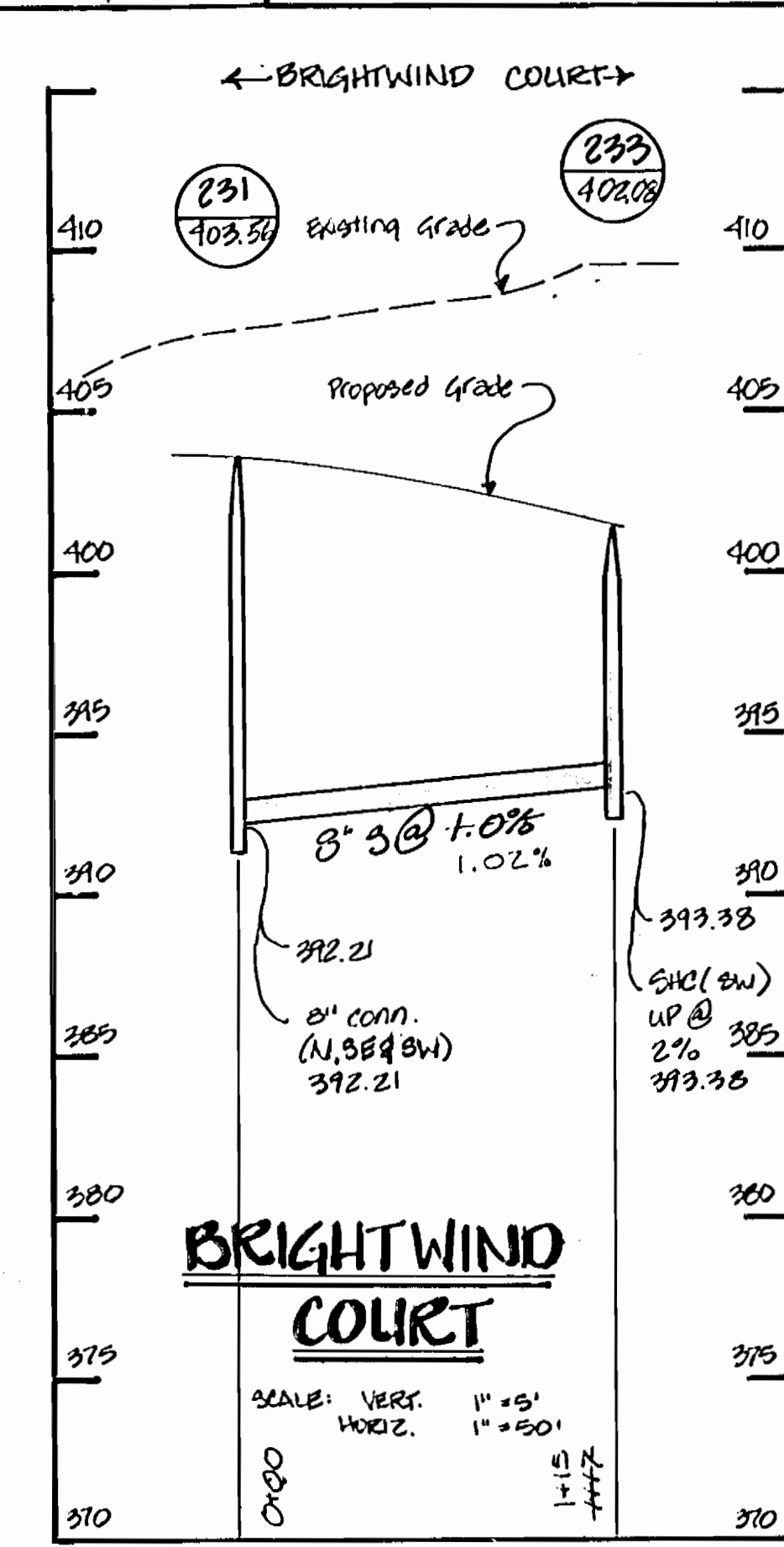
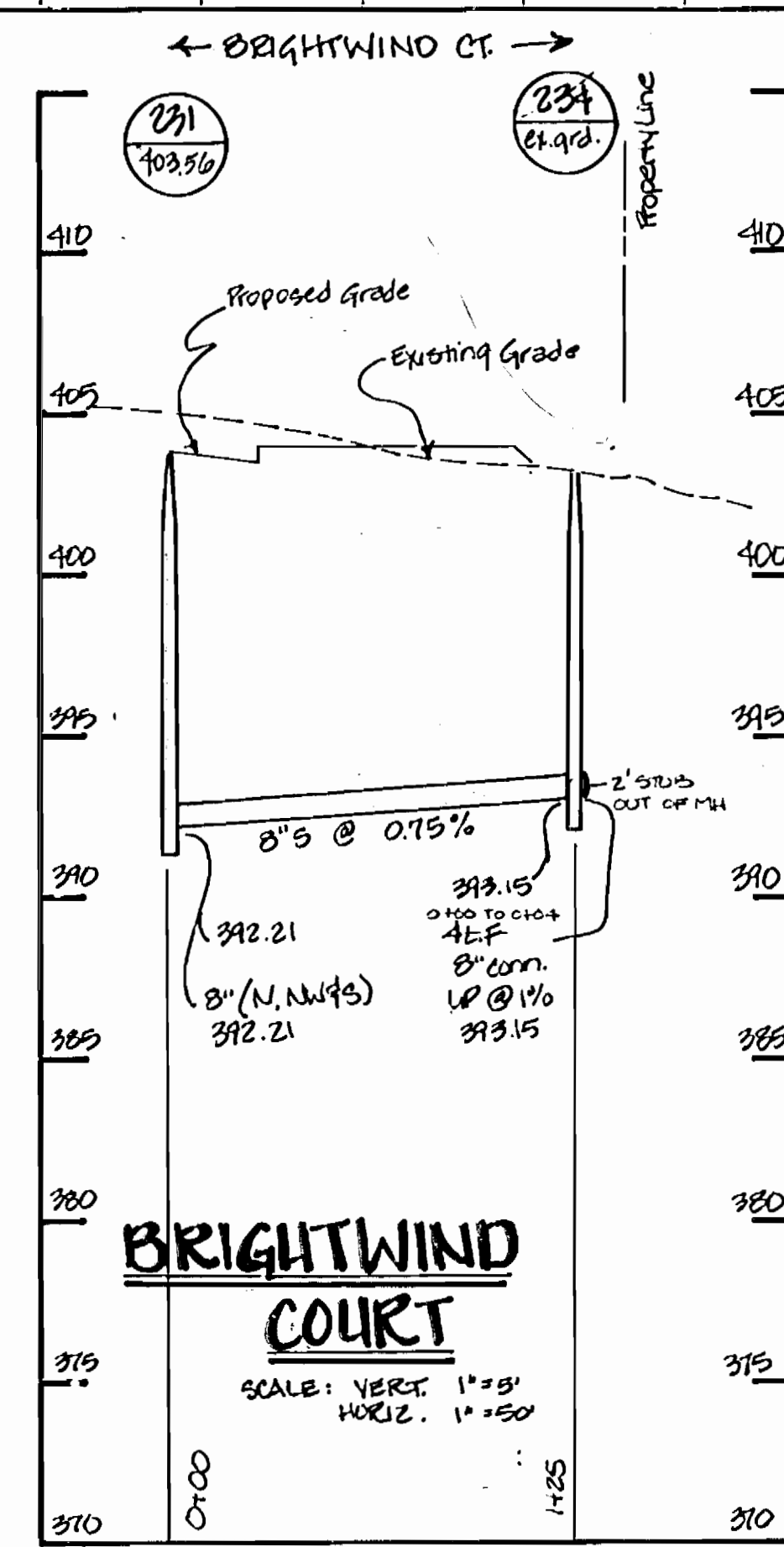
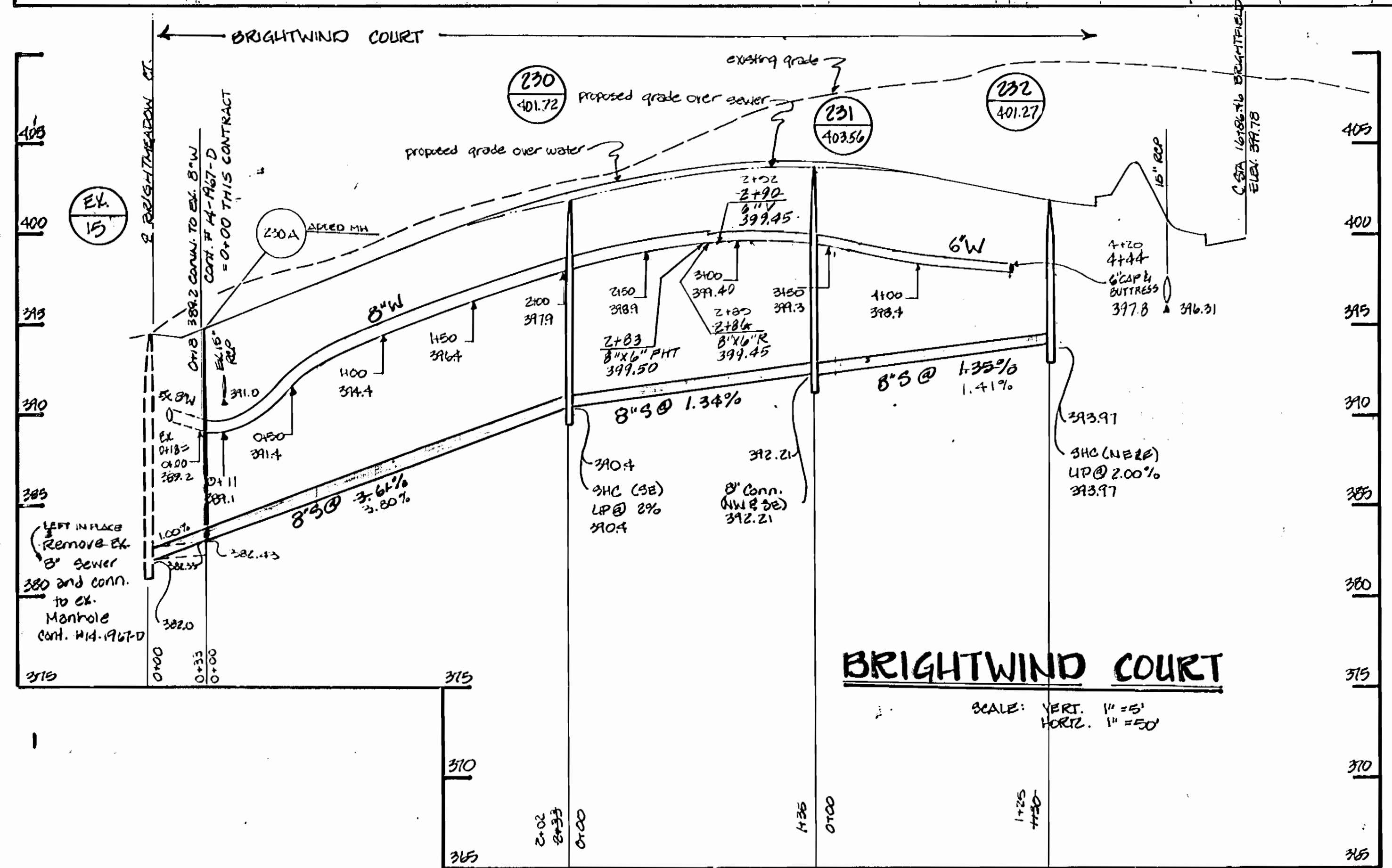
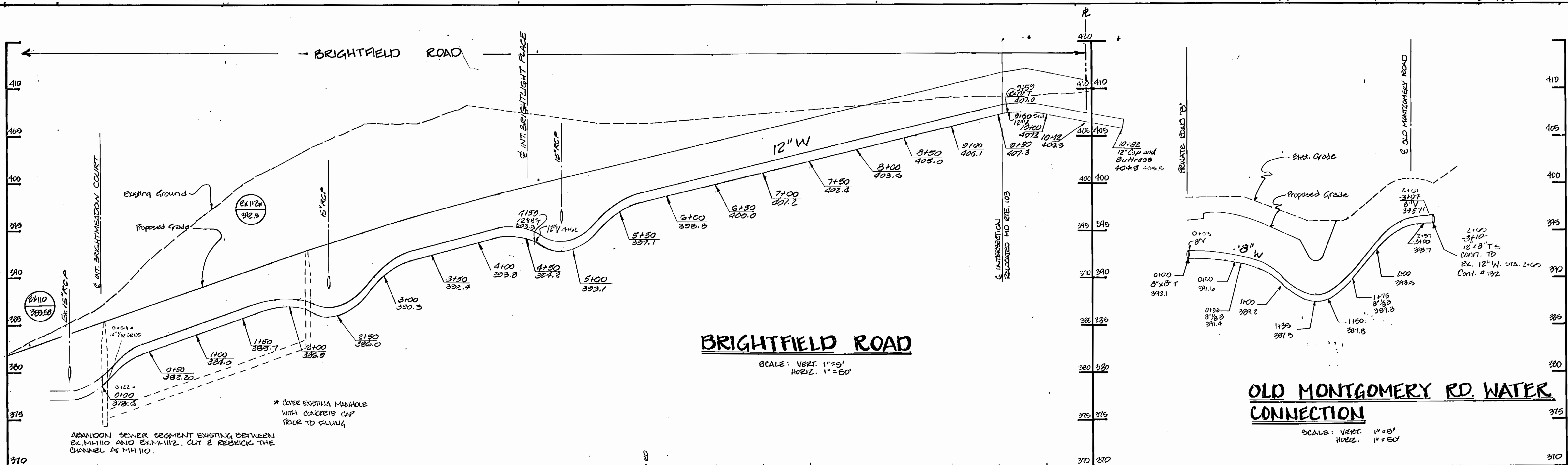
WATER & SEWER PLAN

600 SCALE MAP NO. 37 BLOCK NO. 3

BRIGHTFIELD SECTION 2
LOTS 214 THRU 248 AND LOTS 251 THRU 335, LOTS 249 AND 250
AREASUBDIVISION OF BRIGHTFIELD SECTION 1, AREA 2 LOTS 127 AND 137
1ST ELECTION DISTRICT, HOWARD CO.
CONTRACT NO. 14-3092 D

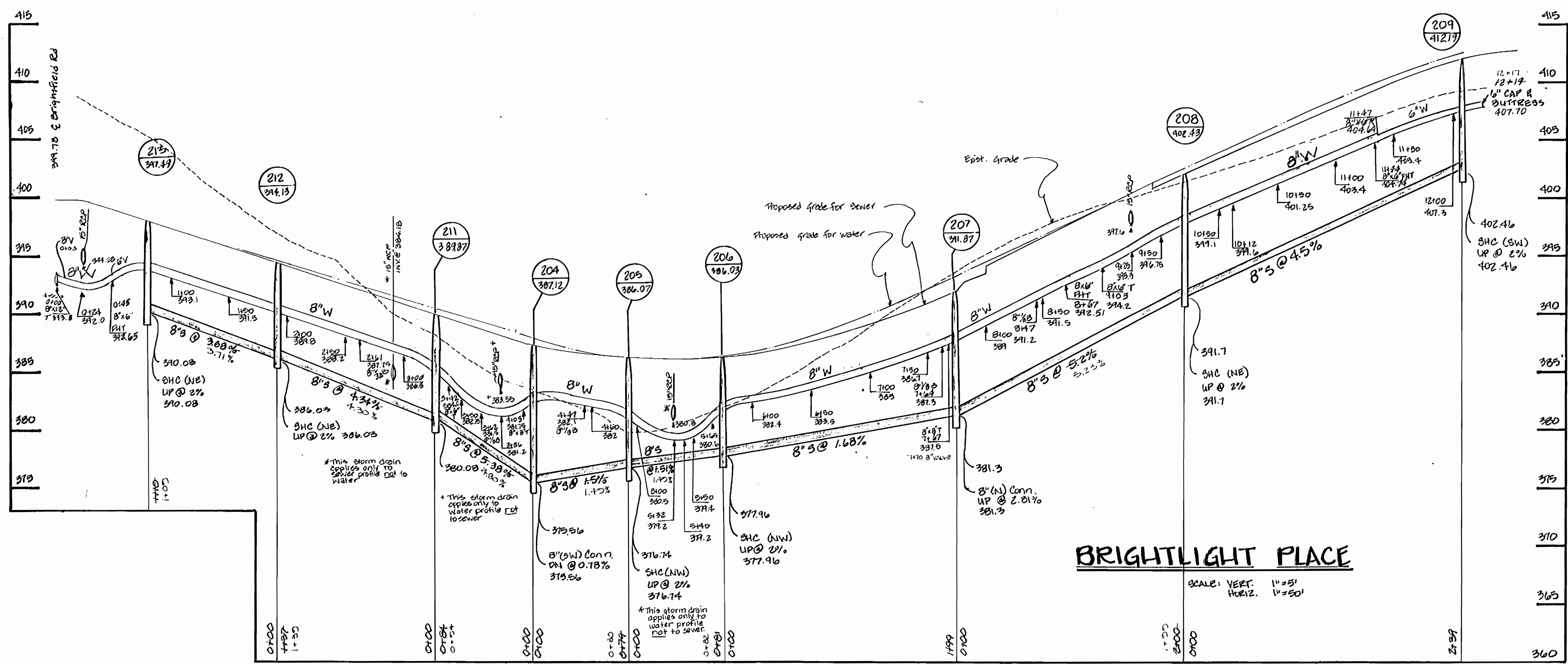
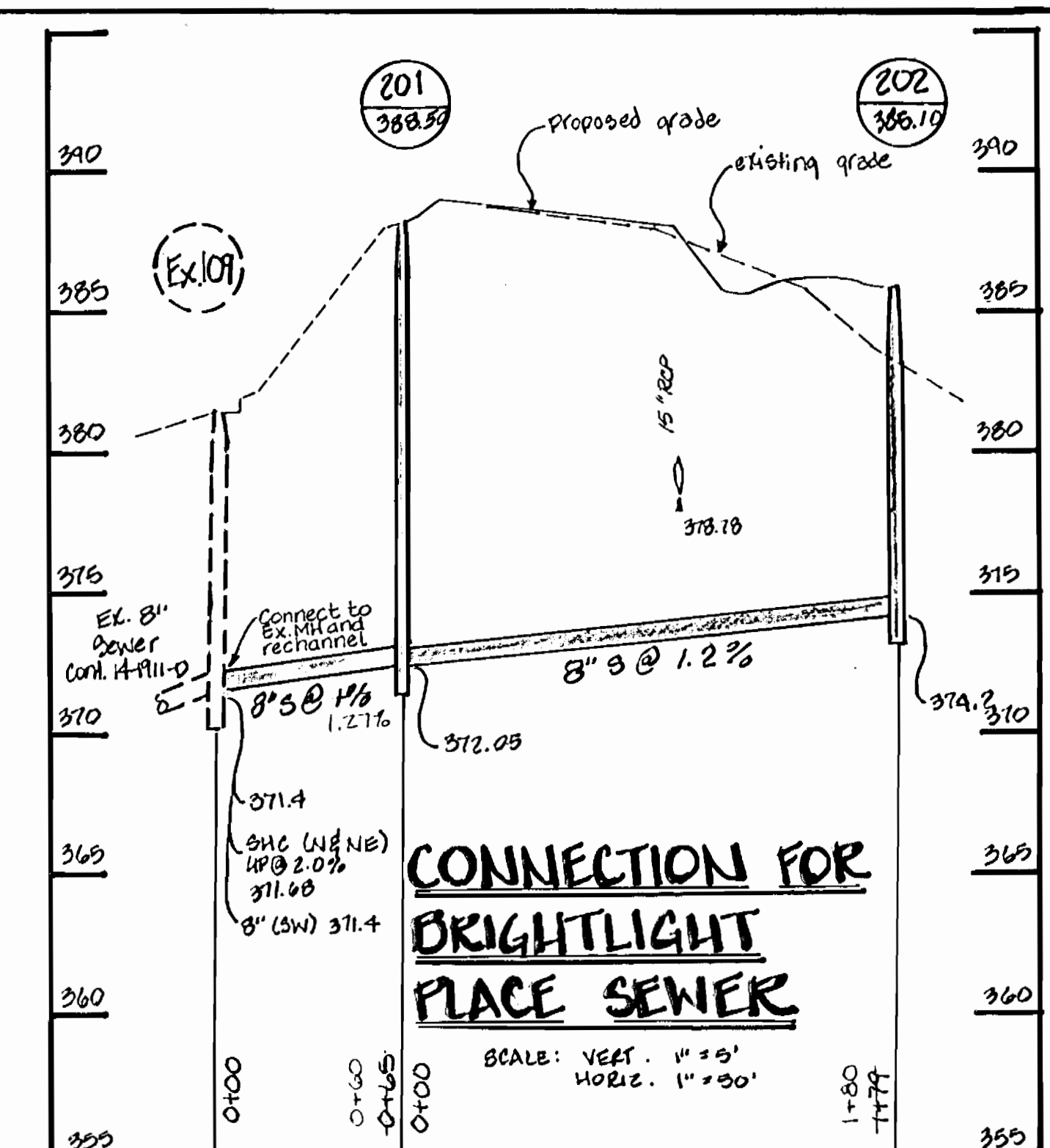
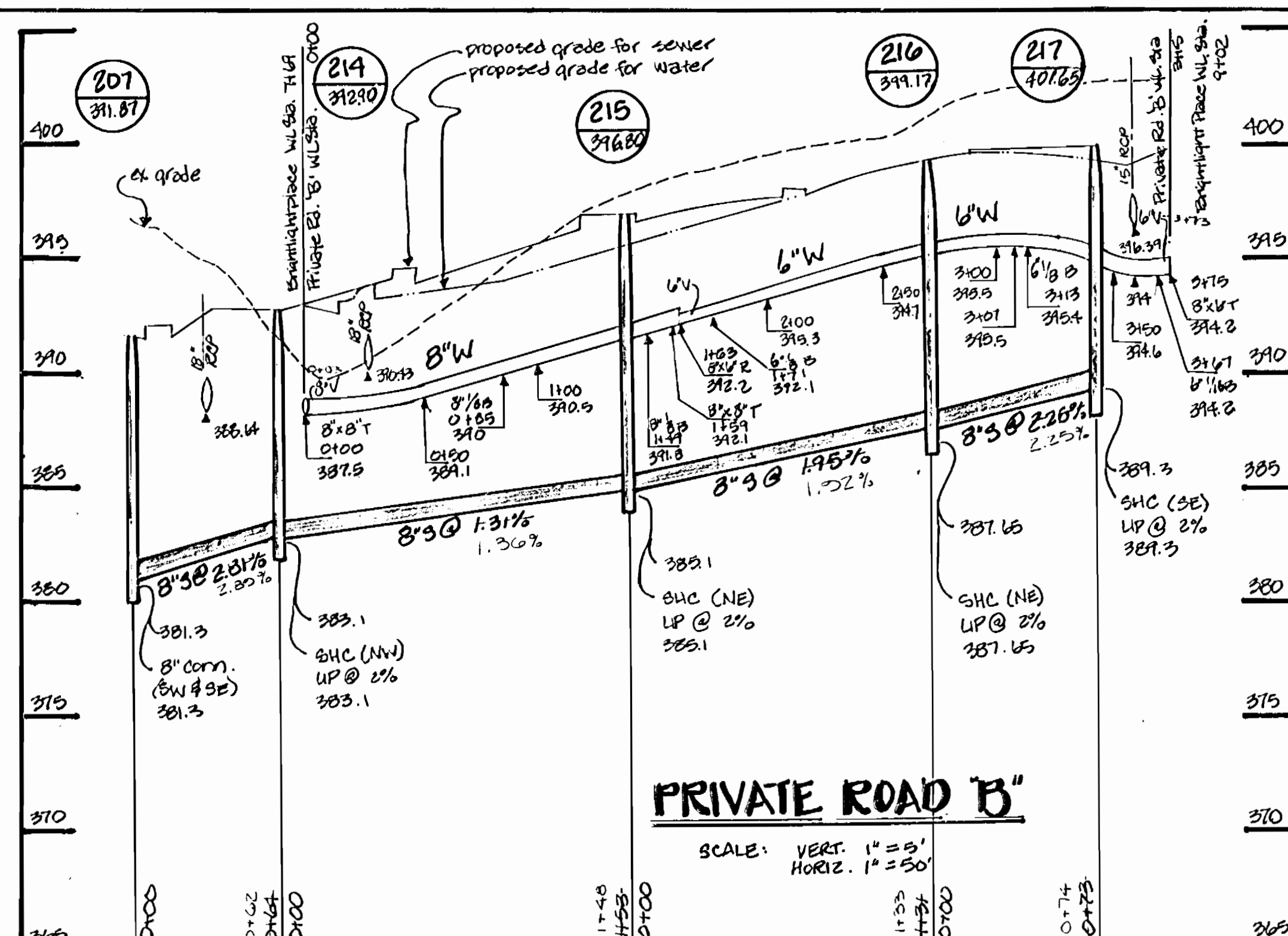
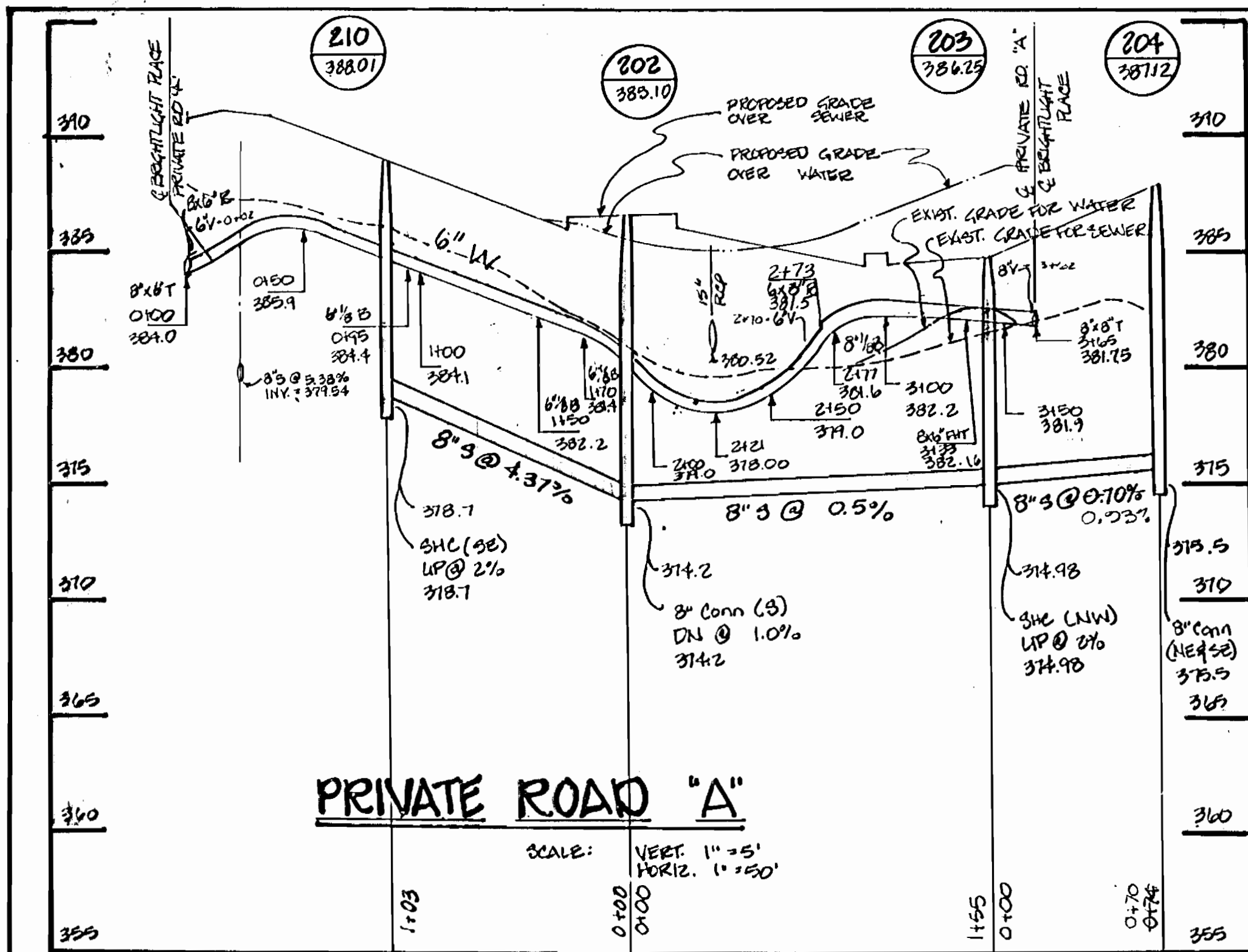
SCALE: AS SHOWN
SHEET 2005

AS-BUILT 10-13-03



- CONSTRUCTION SEQUENCE:**
1. REPAIR MH 110, CUT AND ABANDON CHANNEL TO EXISTING MANHOLE 112.
 2. FILL EXISTING MANHOLE 112 WITH STONE.
 3. INSTALL AND AIR TEST 8" S FROM EXIST. MH 115 TO MH 232, 233 & 234.
 4. INSTALL AND AIR TEST 8" S FROM EXIST. MH 109 TO MH 210, 213, 217 & 209.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works: <i>James A. Blum</i> DATE: 6-7-91 Chief, Bureau of Utilities: <i>Robert B. ...</i> DATE: 6/12/91		LAND DESIGN ENGINEERING, INC. 10620 GUILFORD ROAD SUITE 210 JESSUP, MARYLAND 20794 (301) 604-6264 (301) 880-0034				DES: OJL L.M. 1. Title Block - Lot Numbers 10-4-91 L.M. 2. 12" W Invert 10-23-91 W.J. 3. Extend 12" W across Meadowridge Rd. 11-8-92 DRN: JL CHK: RM DATE: 10-90		WATER & SEWER PROFILES 600' SCALE MAP NO. 37 BLOCK NO. 3		BRIGHTFIELD SECTION 2 LOTS 214 THRU 248 AND LOTS 251 THRU 355, LOTS 249 AND 250 A RESUBDIVISION OF BRIGHTFIELD SECTION 1, AREA 2 LOTS 127 AND 137 1 ST ELECTION DISTRICT, HOWARD CO. CONTRACT NO. 14-3092 D SCALE: AS SHOWN SHEET 3 OF 3	
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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

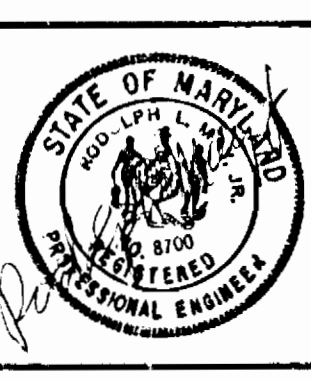
James A. Lane 2/14/91
DIRECTOR OF PUBLIC WORKS DATE

John M. Ferguson 6/1/91
CHIEF, BUREAU OF ENGINEERING DATE

Robert B. ... 6-7-91
CHIEF, BUREAU OF UTILITIES DATE

John M. Ferguson 6/1/91
CHIEF, LAND DEVELOPMENT DIV. DATE

LAND DESIGN ENGINEERING, INC.
10820 GUILFORD ROAD
SUITE 210
JESSUP, MARYLAND 20794
(301) 604-6284
(301) 880-0034



DES: DJ&JL	L.M. 1. Title Block - Lot Numbers	10-4-91
DRN: JL	L.M. 2. 8" W Invert	10-23-91
CHK: RM		
DATE: 10-90	BY NO REVISION	DATE

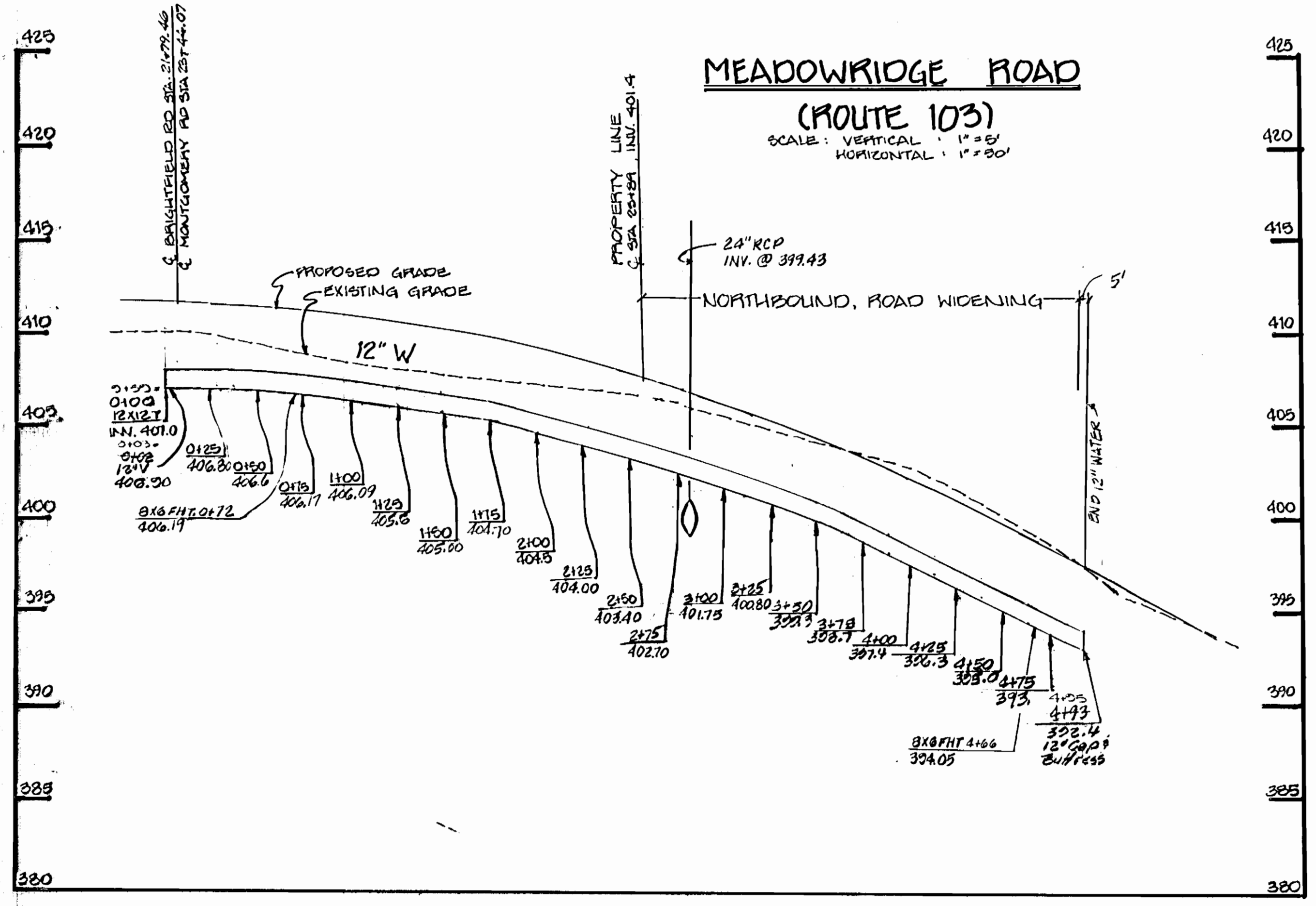
WATER & SEWER PROFILES

600' SCALE MAP NO. 37 BLOCK NO. 3

BRIGHTFIELD
SECTION 2
LOTS 214 THRU 248 AND LOTS 251 THRU 335, LOTS 249 AND 250
A RESUBDIVISION OF BRIGHTFIELD SECTION 1, AREA 2 LOTS 127 AND 137
1ST ELECTION DISTRICT, HOWARD CO.
CONTRACT NO. 14-3092 D

SCALE: AS SHOWN
SHEET 4 OF 5

AS-BUILT 2-15-93



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Bennett 6-7-91
DIRECTOR OF PUBLIC WORKS DATE

Oliver M. Pennington 6/11/91
CHIEF, BUREAU OF UTILITIES DATE

LAND DESIGN ENGINEERING, INC.
10620 GUILFORD ROAD
SUITE 210
JESSUP, MARYLAND 20794
(301) 604-6264
(301) 880-0034



DES: JL	L.M. 1.	Title Block - Lot Numbers	10-4-91
	L.M. 2.	Relocate water line at corrected	
ORN: JL		RCP Storm Drain Crossing	
CHK: RM		location	10-4-91
DATE: 2-91	BY	NO. REVISIONS	DATE

WATER & SEWER
PROFILES

600' SCALE MAP NO. 37 BLOCK NO. 3

BRIGHTFIELD
SECTION 2
LOTS 214 THRU 248 AND LOTS 251 THRU 335, LOTS 249 AND 250
A RESUBDIVISION OF BRIGHTFIELD SECTION 1, AREA 2 LOTS 127 AND 137
1ST ELECTION DISTRICT, HOWARD CO.
CONTRACT NO. 14-3092 0

SCALE:
AS SHOWN

SHEET
3 OF 5

AS-BUILT 3-3-93