

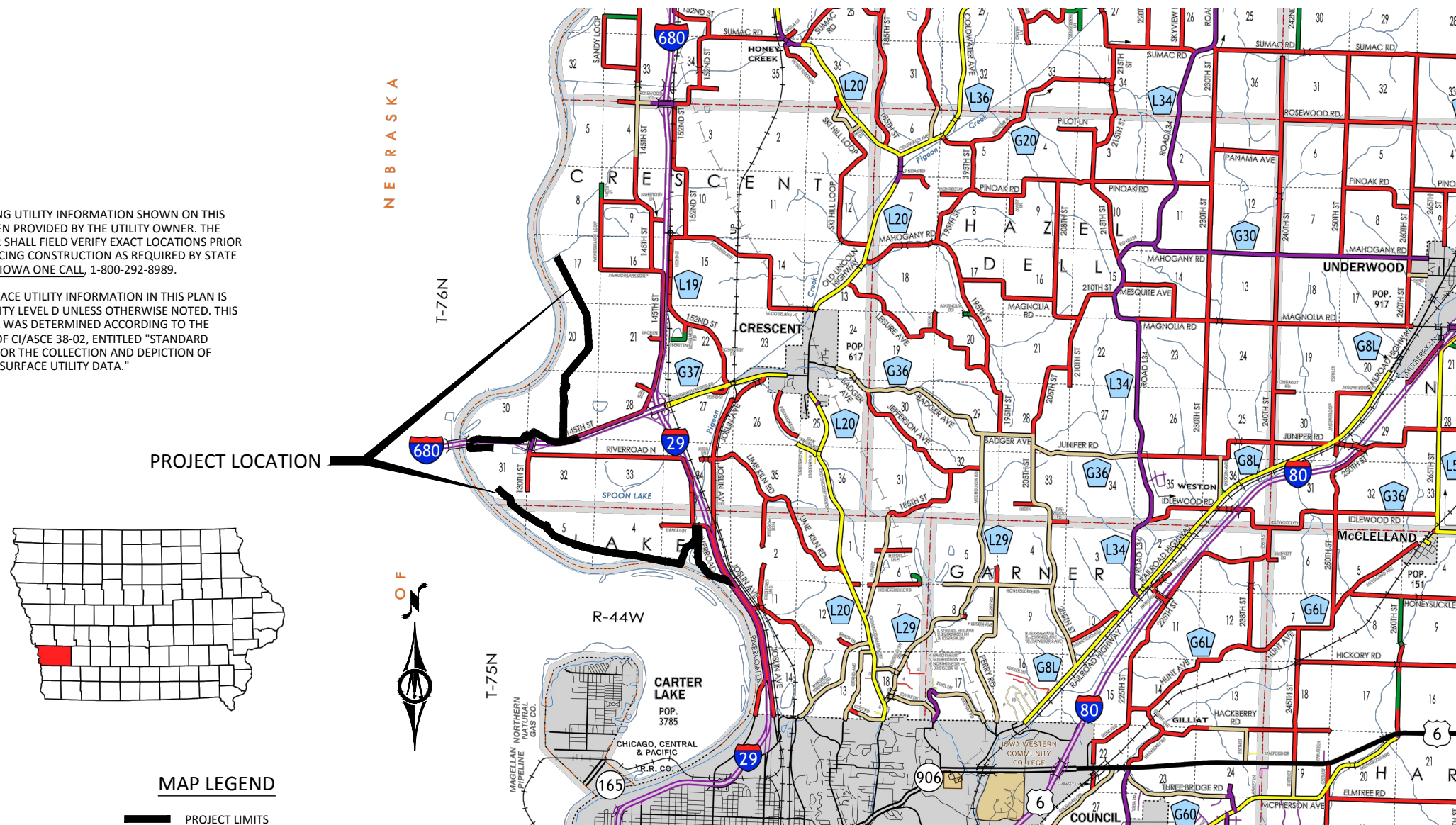
# PRELIMINARY PLANS FOR DRAINAGE DISTRICT NO. 2 SUBDRAINAGE DISTRICT NO. 3 PROPOSED LEVEE REPAIRS

INCLUDING ACQUISITION OF PAXTON AND MAYNE PRIVATE LEVEES  
INCLUDING REALIGNMENT OF LEVEE AT INTERSECTION WITH I-680 INTERSTATE

MAY, 2018

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL, 1-800-292-8989.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."



### MAP LEGEND

— PROJECT LIMITS



Sheet List Table	
Sheet Number	Sheet Title
A.01	TITLE SHEET
A.02	LANDOWNERS PLAT
G.01	SUB 3 LEVEE ALIGNMENT GEOMETRY
G.02	EAST & WEST PIGEON OUTLET LEVEE ALIGNMENT GEOMETRY
G.03	REALIGNMENT LEVEE ALIGNMENT GEOMETRY
G.04	PAXTON LEVEE ALIGNMENT GEOMETRY
G.05	BENCHMARKS
S3.1	SUB 3 LEVEE PLAN & PROFILE
S3.2	SUB 3 LEVEE PLAN & PROFILE
S3.3	SUB 3 LEVEE PLAN & PROFILE
S3.4	SUB 3 LEVEE PLAN & PROFILE
S3.5	SUB 3 LEVEE PLAN & PROFILE
S3.6	SUB 3 LEVEE PLAN & PROFILE
XS3.1	SUB 3 LEVEE CROSS SECTIONS
XS3.2	SUB 3 LEVEE CROSS SECTIONS
XS3.3	SUB 3 LEVEE CROSS SECTIONS
XS3.4	SUB 3 LEVEE CROSS SECTIONS
XS3.5	SUB 3 LEVEE CROSS SECTIONS
XS3.6	SUB 3 LEVEE CROSS SECTIONS
XS3.7	SUB 3 LEVEE CROSS SECTIONS
EP.1	EAST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE
EP.2	EAST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE
XEP.1	EAST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS
XEP.2	EAST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS
WP.1	WEST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE
WP.2	WEST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE
XWP.1	WEST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS
XWP.2	WEST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS
M.1	MAYNE LEVEE PLAN & PROFILE
M.2	MAYNE LEVEE PLAN & PROFILE
XM.1	MAYNE LEVEE CROSS SECTIONS
XM.2	MAYNE LEVEE CROSS SECTIONS
R.1	IDOT LEVEE REALIGNMENT PLAN & PROFILE
R.2	IDOT LEVEE REALIGNMENT PLAN & PROFILE
R.3	IDOT LEVEE REALIGNMENT PLAN & PROFILE
R.4	IDOT LEVEE REALIGNMENT PLAN & PROFILE
XR.1	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.2	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.3	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.4	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.5	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.6	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.7	IDOT LEVEE REALIGNMENT CROSS SECTIONS
XR.8	IDOT LEVEE REALIGNMENT CROSS SECTIONS
P.1	PAXTON LEVEE PLAN & PROFILE
P.2	PAXTON LEVEE PLAN & PROFILE
P.3	PAXTON LEVEE PLAN & PROFILE
P.4	PAXTON LEVEE PLAN & PROFILE
P.5	PAXTON LEVEE PLAN & PROFILE
P.6	PAXTON LEVEE PLAN & PROFILE
XP.1	PAXTON LEVEE CROSS SECTION
XP.2	PAXTON LEVEE CROSS SECTION
XP.3	PAXTON LEVEE CROSS SECTION
XP.4	PAXTON LEVEE CROSS SECTION
XP.5	PAXTON LEVEE CROSS SECTION
XP.6	PAXTON LEVEE CROSS SECTION
XP.7	PAXTON LEVEE CROSS SECTION

† BM=994.00 USGS MONUMENT V138 W END OF S WING WALL OF RR BRIDGE	PROJECT DATUM: HORIZONTAL: IOWA STATE PLANE SOUTH ZONE VERTICAL: NAVD 88	RECORD DRAWING INFORMATION OBSERVER: CONTRACTOR: DATE:
	PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS TITLE SHEET	

© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 POTTAWATTAMIE COUNTY IOWA PROJECT P12.111254



300 WEST MCKINLEY ST., P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

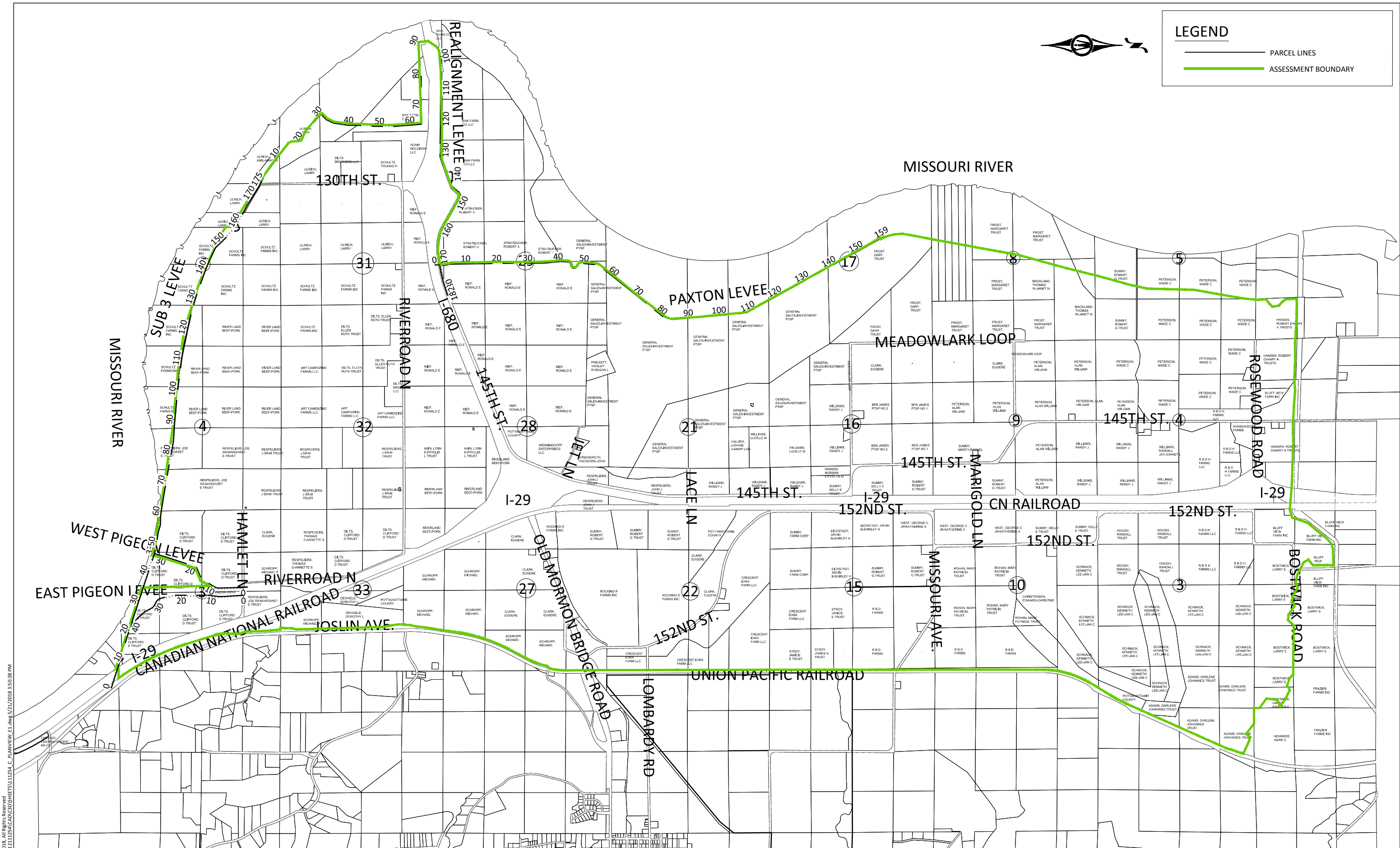
SHEET  
A.01



**LEGEND**

— PARCEL LINES

— ASSESSMENT BOUNDARY



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CD\DRHE\111254\_C\_PLANVIEW\_E1.dwg, 5/21/2018 3:50:38 PM



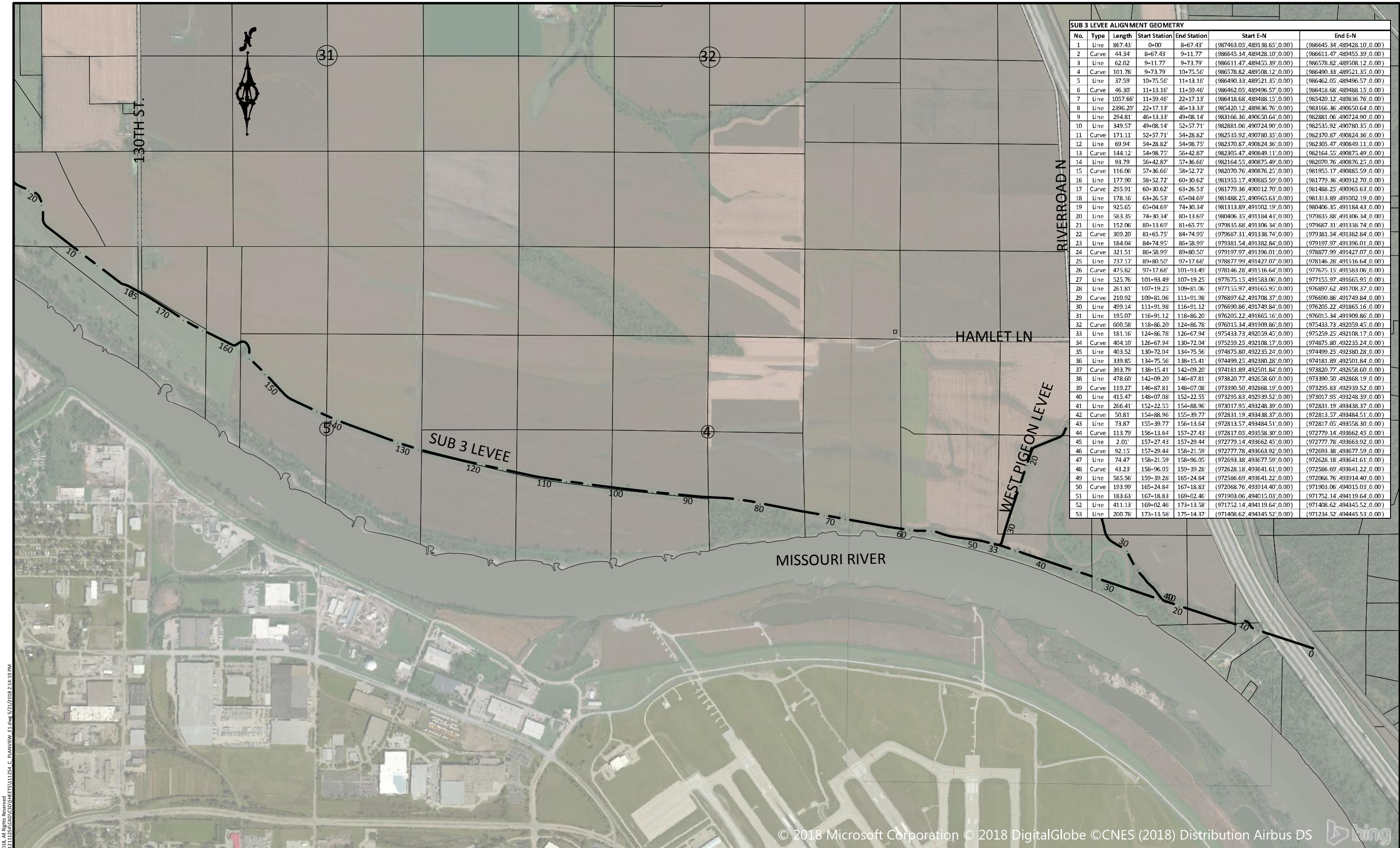
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

**PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA**  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
**LANDOWNERS PLAT**

SHEET  
A.02





SUB 3 LEVEE ALIGNMENT GEOMETRY						
No.	Type	Length	Start Station	End Station	Start E-N	End E-N
1	Line	867.43'	0+00	8+67.43'	(987463.05, 489138.65', 0.00)	(986645.34, 489428.10', 0.00)
2	Curve	44.34'	8+67.43'	9+11.77'	(986645.34, 489428.10', 0.00)	(986611.47, 489455.39', 0.00)
3	Line	62.02'	9+11.77'	9+73.79'	(986611.47, 489455.39', 0.00)	(986578.82, 489508.12', 0.00)
4	Curve	101.78'	9+73.79'	10+75.56'	(986578.82, 489508.12', 0.00)	(986490.33, 489521.35', 0.00)
5	Line	37.59'	10+75.56'	11+13.16'	(986490.33, 489521.35', 0.00)	(986462.05, 489496.57', 0.00)
6	Curve	46.30'	11+13.16'	11+59.46'	(986462.05, 489496.57', 0.00)	(986418.68, 489488.15', 0.00)
7	Line	1057.66'	11+59.46'	22+17.13'	(986418.68, 489488.15', 0.00)	(985420.12, 489836.76', 0.00)
8	Curve	2396.20'	22+17.13'	46+13.33'	(985420.12, 489836.76', 0.00)	(983166.36, 490650.64', 0.00)
9	Line	294.81'	46+13.33'	49+08.14'	(983166.36, 490650.64', 0.00)	(982881.06, 490724.90', 0.00)
10	Curve	349.57'	49+08.14'	52+57.71'	(982881.06, 490724.90', 0.00)	(982535.92, 490780.35', 0.00)
11	Curve	171.11'	52+57.71'	54+28.82'	(982535.92, 490780.35', 0.00)	(982370.87, 490824.36', 0.00)
12	Line	69.94'	54+28.82'	54+98.75'	(982370.87, 490824.36', 0.00)	(982305.47, 490849.11', 0.00)
13	Curve	144.12'	54+98.75'	56+42.87'	(982305.47, 490849.11', 0.00)	(982164.55, 490875.49', 0.00)
14	Line	93.79'	56+42.87'	57+36.66'	(982164.55, 490875.49', 0.00)	(982070.76, 490876.25', 0.00)
15	Curve	116.06'	57+36.66'	58+52.72'	(982070.76, 490876.25', 0.00)	(981955.17, 490885.59', 0.00)
16	Line	177.90'	58+52.72'	60+30.62'	(981955.17, 490885.59', 0.00)	(981779.36, 490912.70', 0.00)
17	Curve	295.91'	60+30.62'	63+26.53'	(981779.36, 490912.70', 0.00)	(981488.25, 490965.63', 0.00)
18	Line	178.16'	63+26.53'	65+04.69'	(981488.25, 490965.63', 0.00)	(981313.89, 491002.19', 0.00)
19	Line	925.65'	65+04.69'	74+30.34'	(981313.89, 491002.19', 0.00)	(980406.35, 491184.43', 0.00)
20	Line	583.35'	74+30.34'	80+13.69'	(980406.35, 491184.43', 0.00)	(979835.88, 491306.34', 0.00)
21	Line	152.06'	80+13.69'	81+65.75'	(979835.88, 491306.34', 0.00)	(979687.31, 491338.74', 0.00)
22	Curve	309.20'	81+65.75'	84+74.95'	(979687.31, 491338.74', 0.00)	(979197.97, 491396.01', 0.00)
23	Line	184.04'	84+74.95'	86+58.99'	(979197.97, 491396.01', 0.00)	(978877.99, 491427.07', 0.00)
24	Curve	321.51'	86+58.99'	89+80.50'	(978877.99, 491427.07', 0.00)	(978146.28, 491516.64', 0.00)
25	Line	737.17'	89+80.50'	97+17.68'	(978146.28, 491516.64', 0.00)	(977675.15, 491583.06', 0.00)
26	Curve	475.82'	97+17.68'	101+93.49'	(977675.15, 491583.06', 0.00)	(977155.97, 491665.95', 0.00)
27	Line	525.76'	101+93.49'	107+19.25'	(977155.97, 491665.95', 0.00)	(976897.62, 491708.37', 0.00)
28	Line	261.81'	107+19.25'	109+81.06'	(976897.62, 491708.37', 0.00)	(976690.86, 491749.84', 0.00)
29	Curve	210.92'	109+81.06'	111+91.98'	(976690.86, 491749.84', 0.00)	(976205.22, 491865.16', 0.00)
30	Line	499.14'	111+91.98'	116+91.12'	(976205.22, 491865.16', 0.00)	(976015.34, 491909.86', 0.00)
31	Line	195.07'	116+91.12'	118+86.20'	(976015.34, 491909.86', 0.00)	(975433.73, 492059.45', 0.00)
32	Curve	600.58'	118+86.20'	124+86.78'	(975433.73, 492059.45', 0.00)	(974875.80, 492235.24', 0.00)
33	Line	181.16'	124+86.78'	126+67.94'	(974875.80, 492235.24', 0.00)	(974499.25, 492380.28', 0.00)
34	Curve	404.10'	126+67.94'	130+72.04'	(974499.25, 492380.28', 0.00)	(974181.89, 492501.84', 0.00)
35	Line	403.52'	130+72.04'	134+75.56'	(974181.89, 492501.84', 0.00)	(973820.77, 492658.60', 0.00)
36	Line	339.85'	134+75.56'	138+15.41'	(973820.77, 492658.60', 0.00)	(973390.50, 492868.19', 0.00)
37	Curve	393.79'	138+15.41'	142+09.20'	(973390.50, 492868.19', 0.00)	(972958.83, 492939.52', 0.00)
38	Line	478.60'	142+09.20'	146+87.81'	(972958.83, 492939.52', 0.00)	(972779.14, 493662.45', 0.00)
39	Curve	119.27'	146+87.81'	148+07.08'	(972779.14, 493662.45', 0.00)	(972777.78, 493663.92', 0.00)
40	Line	415.47'	148+07.08'	152+22.55'	(972777.78, 493663.92', 0.00)	(972693.38, 493677.59', 0.00)
41	Line	266.41'	152+22.55'	154+88.96'	(972693.38, 493677.59', 0.00)	(972628.18, 493641.61', 0.00)
42	Curve	50.81'	154+88.96'	155+39.77'	(972628.18, 493641.61', 0.00)	(972608.76, 493914.40', 0.00)
43	Line	73.87'	155+39.77'	156+13.64'	(972608.76, 493914.40', 0.00)	(971903.06, 494015.03', 0.00)
44	Curve	113.79'	156+13.64'	157+27.43'	(971903.06, 494015.03', 0.00)	(971752.14, 494119.64', 0.00)
45	Line	2.01'	157+27.43'	157+29.44'	(971752.14, 494119.64', 0.00)	(971408.62, 494345.52', 0.00)
46	Curve	92.15'	157+29.44'	158+21.59'	(971408.62, 494345.52', 0.00)	(971234.52, 494445.53', 0.00)
47	Line	74.47'	158+21.59'	158+96.05'	(971234.52, 494445.53', 0.00)	
48	Curve	43.23'	158+96.05'	159+39.28'		
49	Line	585.56'	159+39.28'	165+24.84'		
50	Curve	193.99'	165+24.84'	167+18.83'		
51	Line	183.63'	167+18.83'	169+02.46'		
52	Line	411.13'	169+02.46'	173+13.58'		
53	Line	200.78'	173+13.58'	175+14.37'		

© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 POTTAWATTAMIE COUNTY IOWA PROJECT: P12-111254-03D-DRAINAGE PLANVIEW E:\dws\_5\21\2018\21-19.PM

© 2018 Microsoft Corporation © 2018 DigitalGlobe ©CNES (2018) Distribution Airbus DS



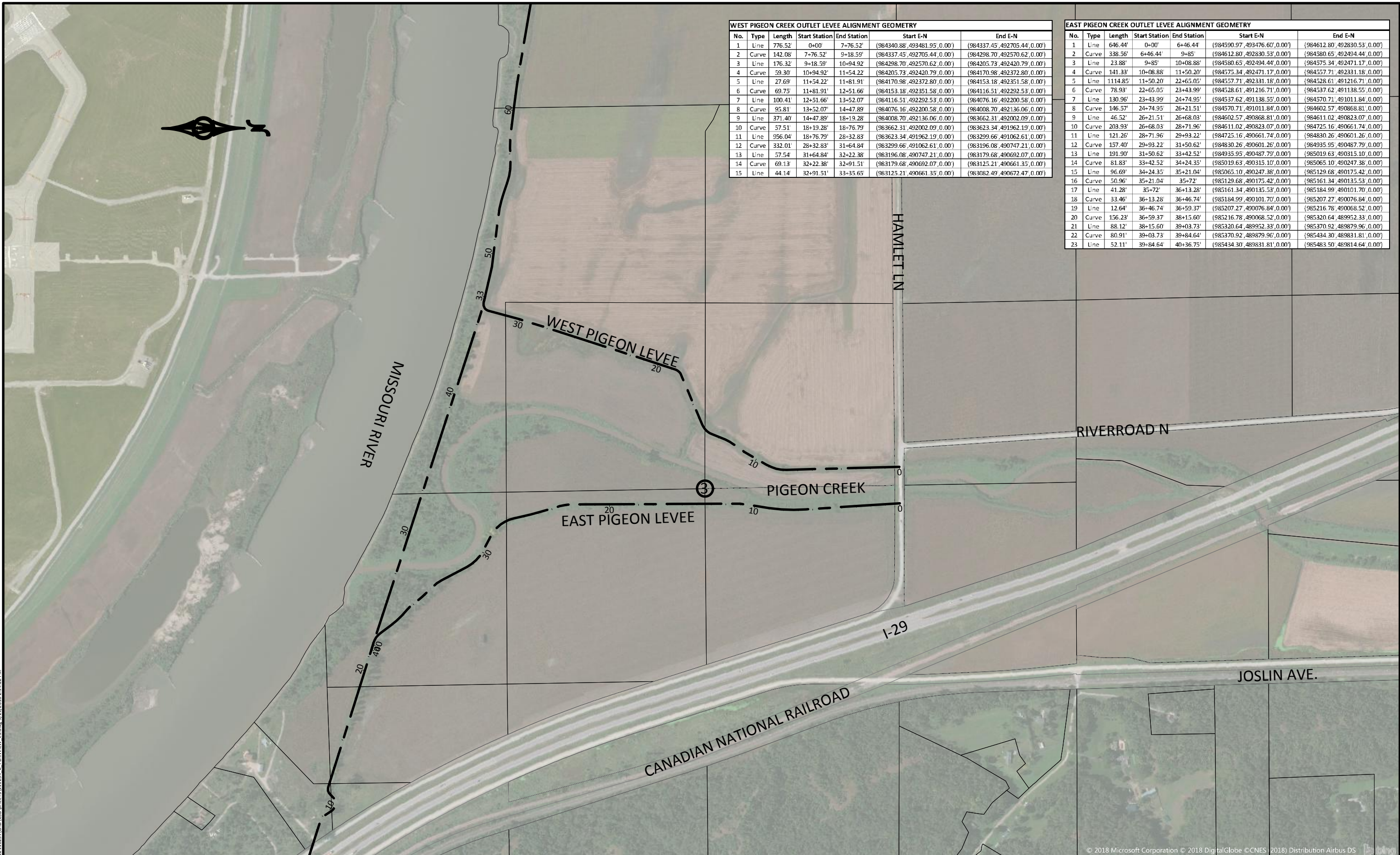
300 WEST MCKINLEY ST., P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12-111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 SUB 3 LEVEE ALIGNMENT GEOMETRY

SHEET  
 G.01





WEST PIGEON CREEK OUTLET LEVEE ALIGNMENT GEOMETRY						
No.	Type	Length	Start Station	End Station	Start E-N	End E-N
1	Line	776.52	0+00	7+76.52	(984340.88, 493481.95, 0.00)	(984337.45, 492705.44, 0.00)
2	Curve	142.08	7+76.52	9+18.59	(984337.45, 492705.44, 0.00)	(984298.70, 492570.62, 0.00)
3	Line	176.32	9+18.59	10+94.92	(984298.70, 492570.62, 0.00)	(984205.73, 492420.79, 0.00)
4	Curve	59.30	10+94.92	11+54.22	(984205.73, 492420.79, 0.00)	(984170.98, 492372.80, 0.00)
5	Line	27.69	11+54.22	11+81.91	(984170.98, 492372.80, 0.00)	(984153.18, 492351.58, 0.00)
6	Curve	69.75	11+81.91	12+51.66	(984153.18, 492351.58, 0.00)	(984116.51, 492292.53, 0.00)
7	Line	100.41	12+51.66	13+52.07	(984116.51, 492292.53, 0.00)	(984076.16, 492200.58, 0.00)
8	Curve	95.81	13+52.07	14+47.89	(984076.16, 492200.58, 0.00)	(984008.70, 492136.06, 0.00)
9	Line	371.40	14+47.89	18+19.28	(984008.70, 492136.06, 0.00)	(983662.31, 492002.09, 0.00)
10	Curve	57.51	18+19.28	18+76.79	(983662.31, 492002.09, 0.00)	(983623.34, 491962.19, 0.00)
11	Line	956.04	18+76.79	28+32.83	(983623.34, 491962.19, 0.00)	(983299.66, 491062.61, 0.00)
12	Curve	332.01	28+32.83	31+64.84	(983299.66, 491062.61, 0.00)	(983196.08, 490747.21, 0.00)
13	Line	57.54	31+64.84	32+22.38	(983196.08, 490747.21, 0.00)	(983179.68, 490692.07, 0.00)
14	Curve	69.13	32+22.38	32+91.51	(983179.68, 490692.07, 0.00)	(983125.21, 490661.35, 0.00)
15	Line	44.14	32+91.51	33+35.65	(983125.21, 490661.35, 0.00)	(983082.49, 490672.47, 0.00)

EAST PIGEON CREEK OUTLET LEVEE ALIGNMENT GEOMETRY						
No.	Type	Length	Start Station	End Station	Start E-N	End E-N
1	Line	646.44	0+00	6+46.44	(984590.97, 493476.60, 0.00)	(984612.80, 492830.53, 0.00)
2	Curve	338.56	6+46.44	9+85	(984612.80, 492830.53, 0.00)	(984580.65, 492494.44, 0.00)
3	Line	23.88	9+85	10+08.88	(984580.65, 492494.44, 0.00)	(984575.34, 492471.17, 0.00)
4	Curve	141.33	10+08.88	11+50.20	(984575.34, 492471.17, 0.00)	(984557.71, 492331.18, 0.00)
5	Line	1114.85	11+50.20	22+65.05	(984557.71, 492331.18, 0.00)	(984528.61, 491216.71, 0.00)
6	Curve	78.93	22+65.05	23+43.99	(984528.61, 491216.71, 0.00)	(984537.62, 491138.55, 0.00)
7	Line	130.96	23+43.99	24+74.95	(984537.62, 491138.55, 0.00)	(984570.71, 491011.84, 0.00)
8	Curve	146.57	24+74.95	26+21.51	(984570.71, 491011.84, 0.00)	(984602.57, 490868.81, 0.00)
9	Line	46.52	26+21.51	26+68.03	(984602.57, 490868.81, 0.00)	(984611.02, 490823.07, 0.00)
10	Curve	203.93	26+68.03	28+71.96	(984611.02, 490823.07, 0.00)	(984725.16, 490661.74, 0.00)
11	Line	121.26	28+71.96	29+93.22	(984725.16, 490661.74, 0.00)	(984830.26, 490601.26, 0.00)
12	Curve	157.40	29+93.22	31+50.62	(984830.26, 490601.26, 0.00)	(984935.95, 490487.79, 0.00)
13	Line	191.90	31+50.62	33+42.52	(984935.95, 490487.79, 0.00)	(985019.63, 490315.10, 0.00)
14	Curve	81.83	33+42.52	34+24.35	(985019.63, 490315.10, 0.00)	(985065.10, 490247.38, 0.00)
15	Line	96.69	34+24.35	35+21.04	(985065.10, 490247.38, 0.00)	(985129.68, 490175.42, 0.00)
16	Curve	50.96	35+21.04	35+72	(985129.68, 490175.42, 0.00)	(985161.34, 490135.53, 0.00)
17	Line	41.28	35+72	36+13.28	(985161.34, 490135.53, 0.00)	(985184.99, 490101.70, 0.00)
18	Curve	33.46	36+13.28	36+46.74	(985184.99, 490101.70, 0.00)	(985207.27, 490076.84, 0.00)
19	Line	12.64	36+46.74	36+59.37	(985207.27, 490076.84, 0.00)	(985216.78, 490068.52, 0.00)
20	Curve	156.23	36+59.37	38+15.60	(985216.78, 490068.52, 0.00)	(985320.64, 489952.33, 0.00)
21	Line	88.12	38+15.60	39+03.73	(985320.64, 489952.33, 0.00)	(985370.92, 489879.96, 0.00)
22	Curve	80.91	39+03.73	39+84.64	(985370.92, 489879.96, 0.00)	(985434.30, 489831.81, 0.00)
23	Line	52.11	39+84.64	40+36.75	(985434.30, 489831.81, 0.00)	(985483.50, 489814.64, 0.00)

© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\POTAWATTAMIE\GIS\DWG\11254\_C\_PLANVIEW\_E1.dwg, 5/21/2018 2:14:22 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

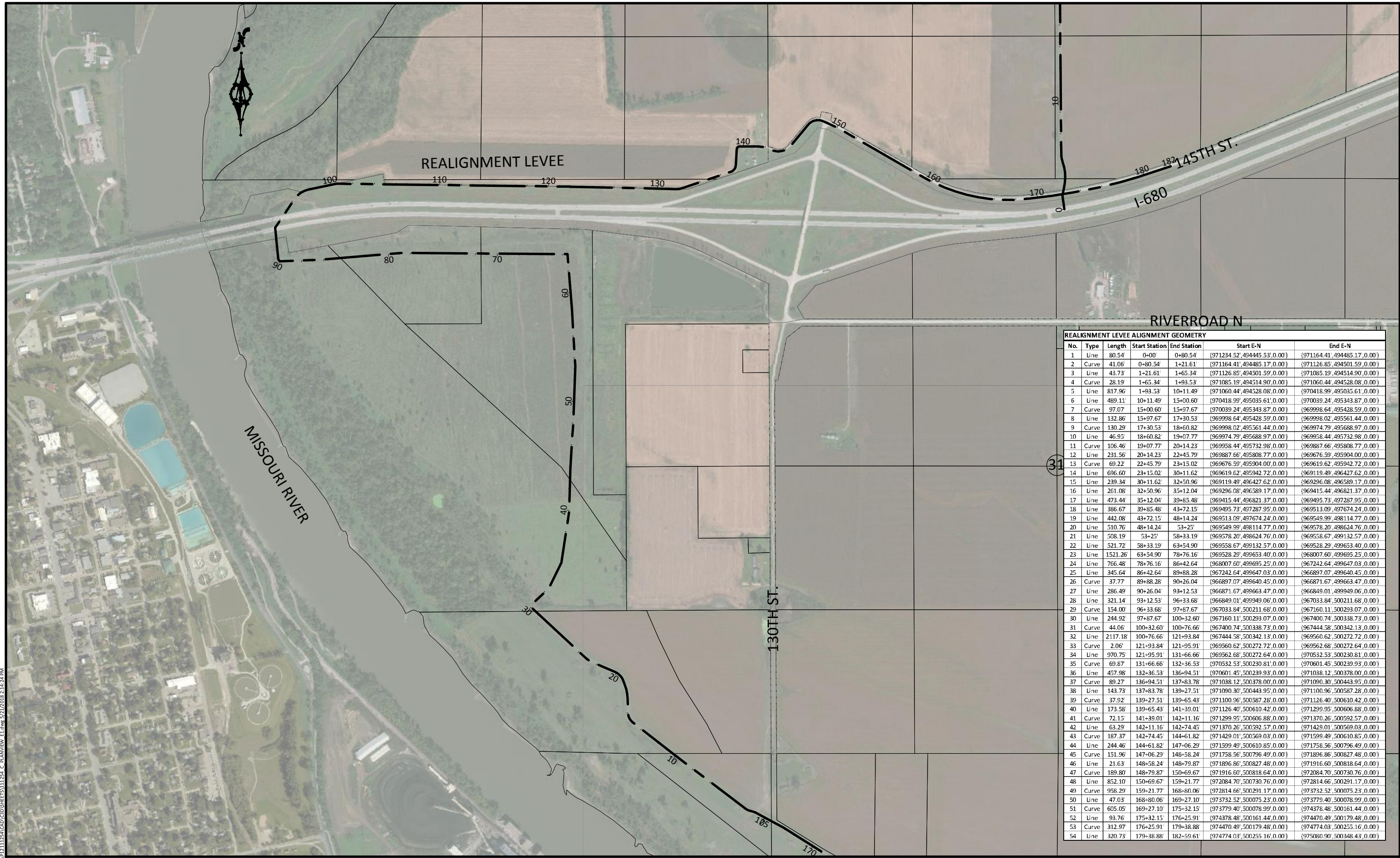
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 EAST & WEST PIGEON OUTLET LEVEE ALIGNMENT GEOMETRY

SHEET  
 G.02

© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS



© Bolton & Menk, Inc. 2018. All Rights Reserved. P12.111254.GSD (SHEET) 5/21/2018 2:14:24 PM



REALIGNMENT LEVEE ALIGNMENT GEOMETRY						
No.	Type	Length	Start Station	End Station	Start E-N	End E-N
1	Line	80.54	0+00	0+80.54	(971234.52, 494445.53, 0.00)	(971164.41, 494485.17, 0.00)
2	Curve	41.06	0+80.54	1+21.61	(971126.85, 494501.59, 0.00)	(971060.44, 494528.08, 0.00)
3	Line	43.73	1+21.61	1+65.34	(971085.19, 494514.90, 0.00)	(970418.99, 495035.61, 0.00)
4	Curve	28.19	1+65.34	1+93.53	(970418.99, 495035.61, 0.00)	(970039.24, 495343.87, 0.00)
5	Line	817.96	1+93.53	10+11.49	(970039.24, 495343.87, 0.00)	(969998.64, 495428.59, 0.00)
6	Line	489.11	10+11.49	15+00.60	(969998.64, 495428.59, 0.00)	(969974.79, 495688.97, 0.00)
7	Curve	97.07	15+00.60	15+97.67	(969974.79, 495688.97, 0.00)	(969958.44, 495732.98, 0.00)
8	Line	132.86	15+97.67	17+30.53	(969958.44, 495732.98, 0.00)	(969949.99, 495808.77, 0.00)
9	Curve	130.29	17+30.53	18+60.82	(969949.99, 495808.77, 0.00)	(969949.99, 495904.00, 0.00)
10	Line	46.95	18+60.82	19+07.77	(969949.99, 495904.00, 0.00)	(969949.99, 495942.72, 0.00)
11	Curve	106.46	19+07.77	20+14.23	(969949.99, 495942.72, 0.00)	(969949.99, 495989.17, 0.00)
12	Line	231.56	20+14.23	22+45.79	(969949.99, 495989.17, 0.00)	(969949.99, 496045.45, 0.00)
13	Curve	69.22	22+45.79	23+15.02	(969949.99, 496045.45, 0.00)	(969949.99, 496114.77, 0.00)
14	Line	696.60	23+15.02	30+11.62	(969949.99, 496114.77, 0.00)	(969949.99, 496247.66, 0.00)
15	Line	239.34	30+11.62	32+50.96	(969949.99, 496247.66, 0.00)	(969949.99, 496387.33, 0.00)
16	Line	261.08	32+50.96	35+12.04	(969949.99, 496387.33, 0.00)	(969949.99, 496528.08, 0.00)
17	Line	473.44	35+12.04	39+85.48	(969949.99, 496528.08, 0.00)	(969949.99, 496673.95, 0.00)
18	Line	386.67	39+85.48	43+72.15	(969949.99, 496673.95, 0.00)	(969949.99, 496824.76, 0.00)
19	Line	442.08	43+72.15	48+14.24	(969949.99, 496824.76, 0.00)	(969949.99, 496980.77, 0.00)
20	Line	510.76	48+14.24	53+25	(969949.99, 496980.77, 0.00)	(969949.99, 497141.77, 0.00)
21	Line	508.19	53+25	58+33.19	(969949.99, 497141.77, 0.00)	(969949.99, 497307.77, 0.00)
22	Line	521.72	58+33.19	63+54.90	(969949.99, 497307.77, 0.00)	(969949.99, 497479.00, 0.00)
23	Line	1521.26	63+54.90	78+76.16	(969949.99, 497479.00, 0.00)	(969949.99, 497655.25, 0.00)
24	Line	766.48	78+76.16	86+42.64	(969949.99, 497655.25, 0.00)	(969949.99, 497837.03, 0.00)
25	Line	345.64	86+42.64	89+88.28	(969949.99, 497837.03, 0.00)	(969949.99, 498024.45, 0.00)
26	Curve	37.77	89+88.28	90+26.04	(969949.99, 498024.45, 0.00)	(969949.99, 498216.67, 0.00)
27	Line	286.49	90+26.04	93+12.53	(969949.99, 498216.67, 0.00)	(969949.99, 498413.67, 0.00)
28	Line	321.14	93+12.53	96+33.68	(969949.99, 498413.67, 0.00)	(969949.99, 498615.68, 0.00)
29	Curve	154.00	96+33.68	97+87.67	(969949.99, 498615.68, 0.00)	(969949.99, 498822.67, 0.00)
30	Line	244.92	97+87.67	100+32.60	(969949.99, 498822.67, 0.00)	(969949.99, 499034.66, 0.00)
31	Curve	44.06	100+32.60	100+76.66	(969949.99, 499034.66, 0.00)	(969949.99, 499251.66, 0.00)
32	Line	2117.18	100+76.66	121+93.84	(969949.99, 499251.66, 0.00)	(969949.99, 499473.66, 0.00)
33	Curve	2.06	121+93.84	121+95.91	(969949.99, 499473.66, 0.00)	(969949.99, 499699.66, 0.00)
34	Line	970.75	121+95.91	131+66.66	(969949.99, 499699.66, 0.00)	(969949.99, 499930.66, 0.00)
35	Curve	69.87	131+66.66	132+36.53	(969949.99, 499930.66, 0.00)	(969949.99, 500166.66, 0.00)
36	Line	457.98	132+36.53	136+94.51	(969949.99, 500166.66, 0.00)	(969949.99, 500407.66, 0.00)
37	Curve	89.27	136+94.51	137+83.78	(969949.99, 500407.66, 0.00)	(969949.99, 500652.66, 0.00)
38	Line	143.73	137+83.78	139+27.51	(969949.99, 500652.66, 0.00)	(969949.99, 500902.66, 0.00)
39	Curve	37.92	139+27.51	139+65.43	(969949.99, 500902.66, 0.00)	(969949.99, 501157.66, 0.00)
40	Line	173.58	139+65.43	141+39.01	(969949.99, 501157.66, 0.00)	(969949.99, 501417.66, 0.00)
41	Curve	72.15	141+39.01	142+11.16	(969949.99, 501417.66, 0.00)	(969949.99, 501682.66, 0.00)
42	Line	63.29	142+11.16	142+74.45	(969949.99, 501682.66, 0.00)	(969949.99, 501952.66, 0.00)
43	Curve	187.37	142+74.45	144+61.82	(969949.99, 501952.66, 0.00)	(969949.99, 502227.66, 0.00)
44	Line	244.46	144+61.82	147+06.29	(969949.99, 502227.66, 0.00)	(969949.99, 502507.66, 0.00)
45	Curve	151.96	147+06.29	148+58.24	(969949.99, 502507.66, 0.00)	(969949.99, 502792.66, 0.00)
46	Line	21.63	148+58.24	148+79.87	(969949.99, 502792.66, 0.00)	(969949.99, 503082.66, 0.00)
47	Curve	189.80	148+79.87	150+69.67	(969949.99, 503082.66, 0.00)	(969949.99, 503377.66, 0.00)
48	Line	852.10	150+69.67	159+21.77	(969949.99, 503377.66, 0.00)	(969949.99, 503677.66, 0.00)
49	Curve	958.29	159+21.77	168+80.06	(969949.99, 503677.66, 0.00)	(969949.99, 503982.66, 0.00)
50	Line	47.03	168+80.06	169+27.10	(969949.99, 503982.66, 0.00)	(969949.99, 504292.66, 0.00)
51	Curve	605.05	169+27.10	175+32.15	(969949.99, 504292.66, 0.00)	(969949.99, 504607.66, 0.00)
52	Line	93.76	175+32.15	176+25.91	(969949.99, 504607.66, 0.00)	(969949.99, 504927.66, 0.00)
53	Curve	312.97	176+25.91	179+38.88	(969949.99, 504927.66, 0.00)	(969949.99, 505252.66, 0.00)
54	Line	320.73	179+38.88	182+59.61	(969949.99, 505252.66, 0.00)	(969949.99, 505582.66, 0.00)



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

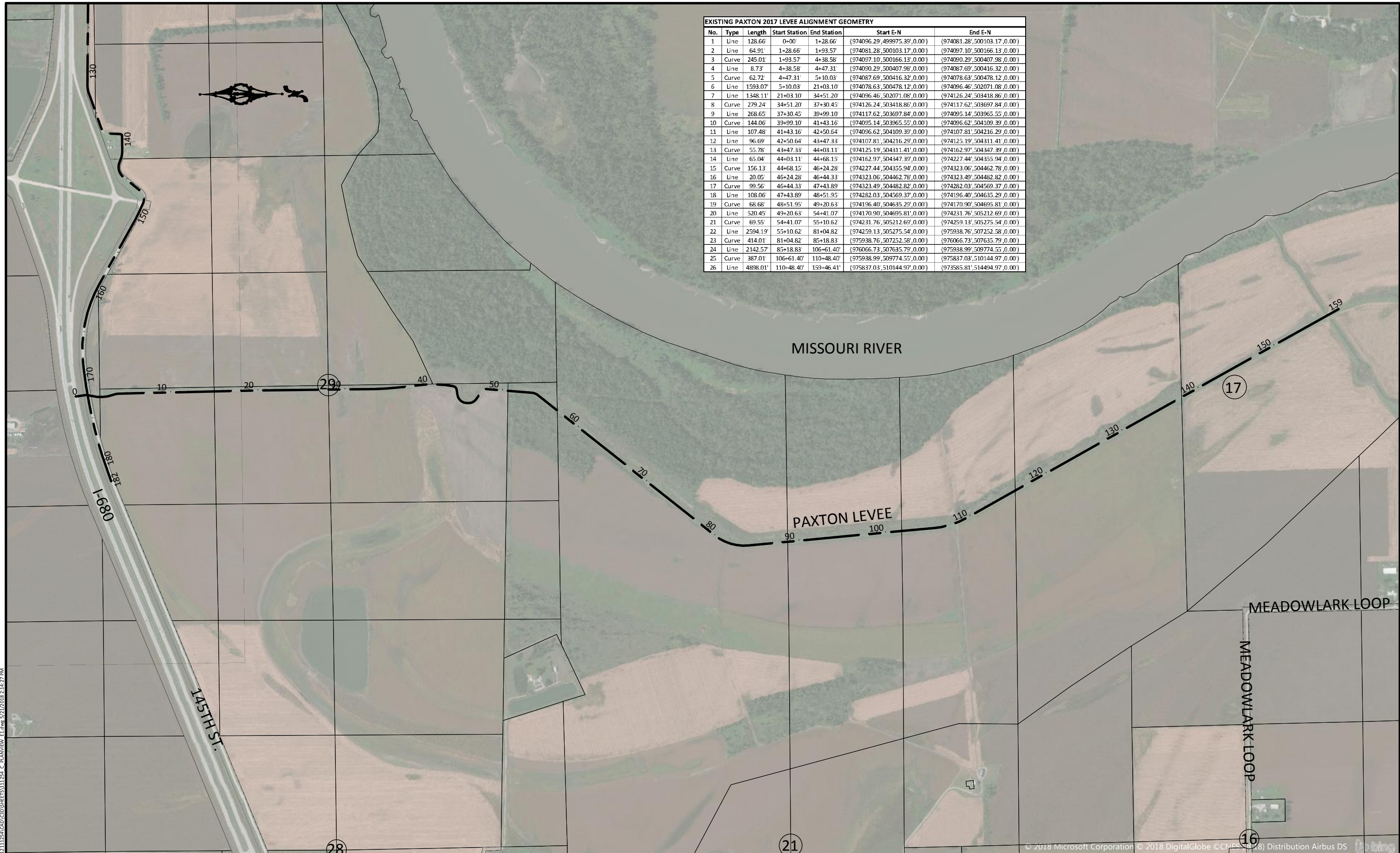
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
REALIGNMENT LEVEE ALIGNMENT GEOMETRY

SHEET  
G.03



EXISTING PAXTON 2017 LEVEE ALIGNMENT GEOMETRY						
No.	Type	Length	Start Station	End Station	Start E-N	End E-N
1	Line	128.66	0+00	1+28.66	(974096.29,499975.39,0.00)	(974081.28,500103.17,0.00)
2	Line	64.91	1+28.66	1+93.57	(974081.28,500103.17,0.00)	(974097.10,500166.13,0.00)
3	Curve	245.01	1+93.57	4+38.58	(974097.10,500166.13,0.00)	(974090.29,500407.98,0.00)
4	Line	8.73	4+38.58	4+47.31	(974090.29,500407.98,0.00)	(974087.69,500416.32,0.00)
5	Curve	62.72	4+47.31	5+10.03	(974087.69,500416.32,0.00)	(974078.63,500478.12,0.00)
6	Line	1593.07	5+10.03	21+03.10	(974078.63,500478.12,0.00)	(974096.46,502071.08,0.00)
7	Line	1348.11	21+03.10	34+51.20	(974096.46,502071.08,0.00)	(974126.24,503418.86,0.00)
8	Curve	279.24	34+51.20	37+30.45	(974126.24,503418.86,0.00)	(974117.62,503697.84,0.00)
9	Line	268.65	37+30.45	39+99.10	(974117.62,503697.84,0.00)	(974095.14,503965.55,0.00)
10	Curve	144.06	39+99.10	41+43.16	(974095.14,503965.55,0.00)	(974096.62,504109.39,0.00)
11	Line	107.48	41+43.16	42+50.64	(974096.62,504109.39,0.00)	(974107.81,504216.29,0.00)
12	Line	96.69	42+50.64	43+47.33	(974107.81,504216.29,0.00)	(974125.19,504311.41,0.00)
13	Curve	55.78	43+47.33	44+03.11	(974125.19,504311.41,0.00)	(974162.97,504347.39,0.00)
14	Line	65.04	44+03.11	44+68.15	(974162.97,504347.39,0.00)	(974227.44,504355.94,0.00)
15	Curve	156.13	44+68.15	46+24.28	(974227.44,504355.94,0.00)	(974323.06,504462.78,0.00)
16	Line	20.05	46+24.28	46+44.33	(974323.06,504462.78,0.00)	(974323.49,504482.82,0.00)
17	Curve	99.56	46+44.33	47+43.89	(974323.49,504482.82,0.00)	(974282.03,504569.37,0.00)
18	Line	108.06	47+43.89	48+51.95	(974282.03,504569.37,0.00)	(974196.40,504635.29,0.00)
19	Curve	68.68	48+51.95	49+20.63	(974196.40,504635.29,0.00)	(974170.90,504695.81,0.00)
20	Line	520.45	49+20.63	54+41.07	(974170.90,504695.81,0.00)	(974231.76,505212.69,0.00)
21	Curve	69.55	54+41.07	55+10.62	(974231.76,505212.69,0.00)	(974259.13,505275.54,0.00)
22	Line	2594.19	55+10.62	81+04.82	(974259.13,505275.54,0.00)	(975938.76,507252.58,0.00)
23	Curve	414.01	81+04.82	85+18.83	(975938.76,507252.58,0.00)	(976066.73,507635.79,0.00)
24	Line	2142.57	85+18.83	106+61.40	(976066.73,507635.79,0.00)	(975938.99,509774.55,0.00)
25	Curve	387.01	106+61.40	110+48.40	(975938.99,509774.55,0.00)	(975837.03,510144.97,0.00)
26	Line	4898.01	110+48.40	159+46.41	(975837.03,510144.97,0.00)	(973585.81,514494.97,0.00)



© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\11254\11254\GIS\DWG\11254\_G\_PLANVIEW\_E1.dwg, 5/21/2018 2:14:27 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

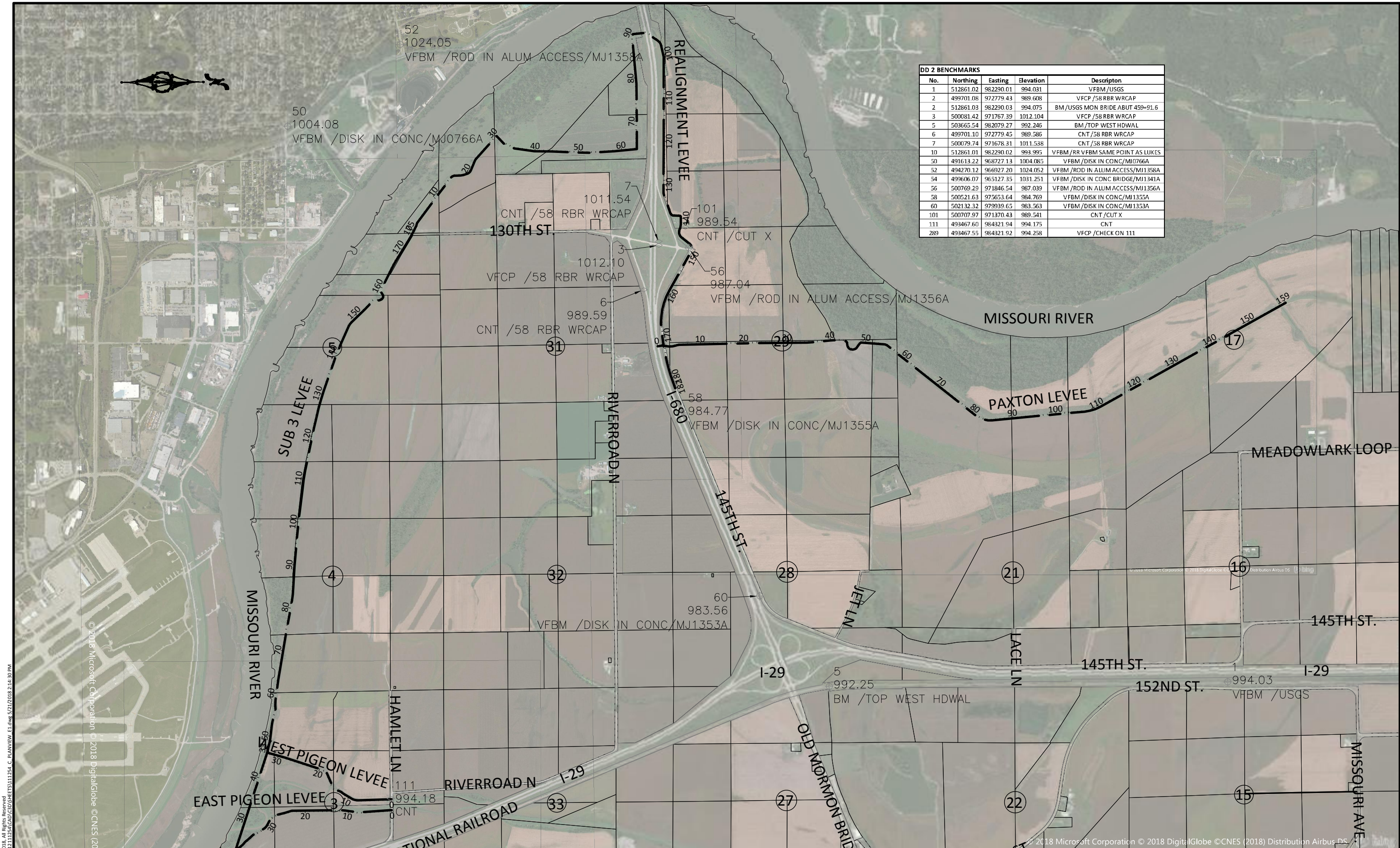
© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS  
 PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 PAXTON LEVEE ALIGNMENT GEOMETRY

SHEET  
 G.04





DD 2 BENCHMARKS				
No.	Northing	Easting	Elevation	Description
1	512861.02	982290.01	994.031	VFBM /USGS
2	499701.08	972779.43	989.608	VFCP /58 RBR WRCAP
2	512861.03	982290.03	994.075	BM /USGS MON BRIDE ABUT 459-91.6
3	500081.42	971767.39	1012.104	VFCP /58 RBR WRCAP
5	503665.54	982079.27	992.246	BM /TOP WEST HDWAL
6	499701.10	972779.45	989.586	CNT /58 RBR WRCAP
7	500079.74	971678.31	1011.538	CNT /58 RBR WRCAP
10	512861.01	982290.02	993.995	VFBM /RR VFBM SAME POINT AS LUKES
50	491613.22	968727.13	1004.085	VFBM /DISK IN CONC/MJ0766A
52	494270.12	966927.20	1024.052	VFBM /ROD IN ALUM ACCESS/MJ1358A
54	499606.07	965127.35	1031.251	VFBM /DISK IN CONC BRIDGE/MJ1341A
56	500769.29	971846.54	987.039	VFBM /ROD IN ALUM ACCESS/MJ1356A
58	500521.63	973653.64	984.769	VFBM /DISK IN CONC/MJ1355A
60	502132.32	979939.65	983.563	VFBM /DISK IN CONC/MJ1353A
101	500707.97	971370.43	989.541	CNT /CUT X
111	493467.60	984321.94	994.175	CNT
289	493467.55	984321.92	994.258	VFCP /CHECK ON 111



© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\PROJECTS\11254\GSD\BENCHMARKS\11254\_G\_PlanView\_E1.dwg, 5/21/2018 2:14:30 PM

© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS

© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS



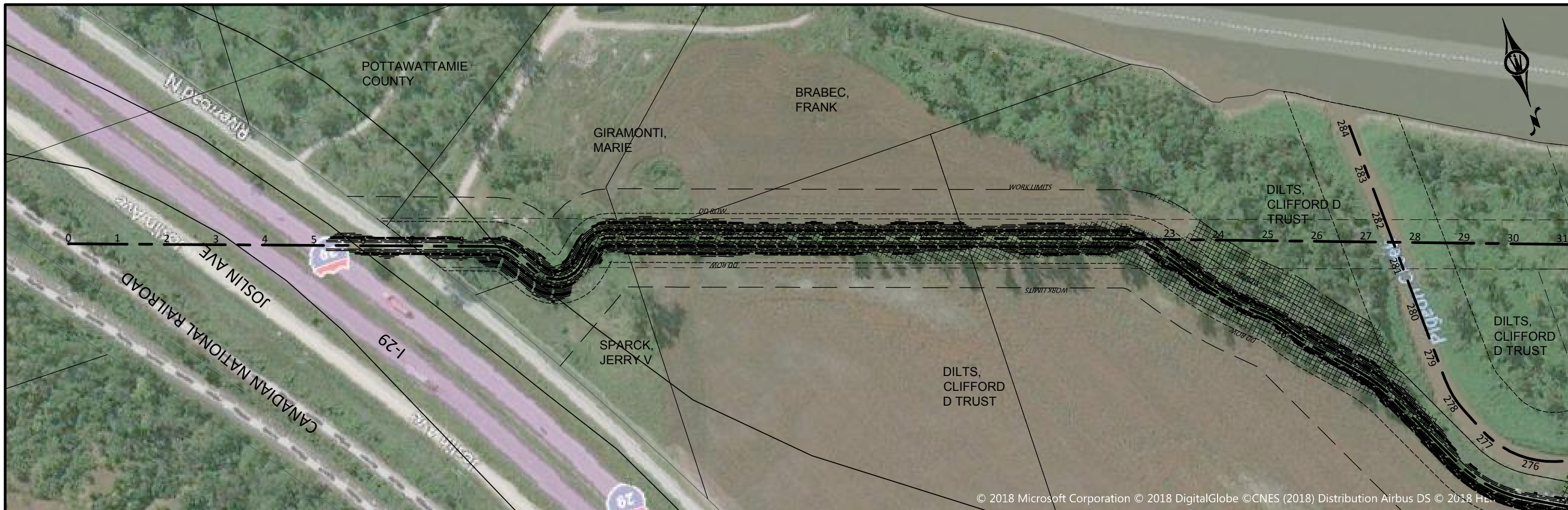
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

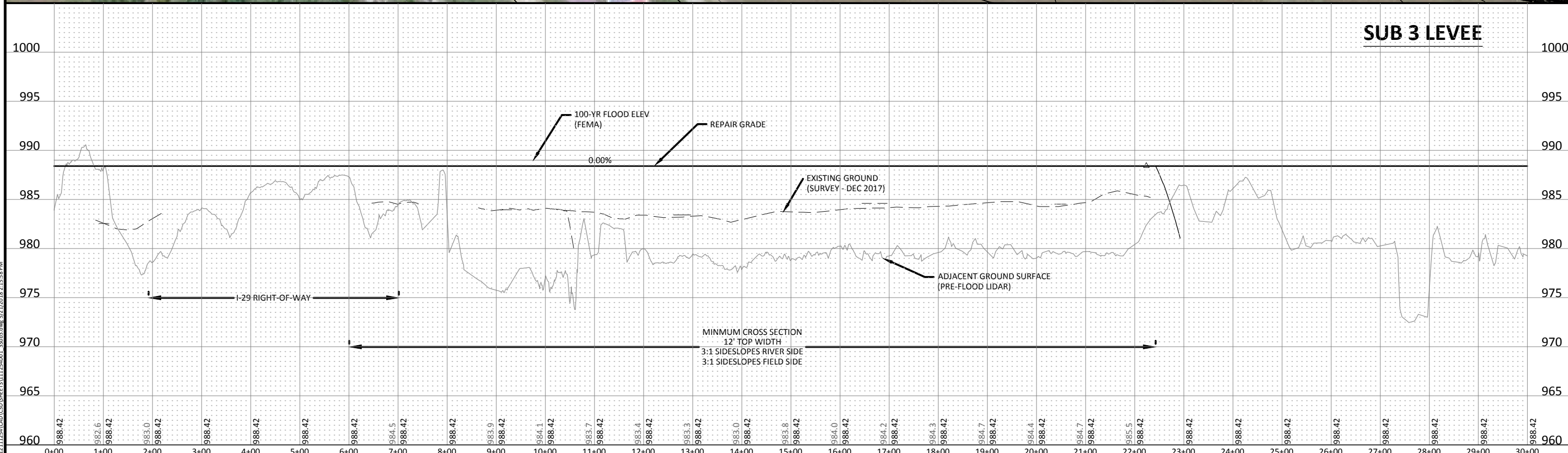
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 BENCHMARKS

SHEET  
 G.05





© 2018 Microsoft Corporation © 2018 DigitalGlobe ©CNES (2018) Distribution Airbus DS © 2018 HE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P12.111254.DWG (SUBDRN) 11/25/2018 2:15:58 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

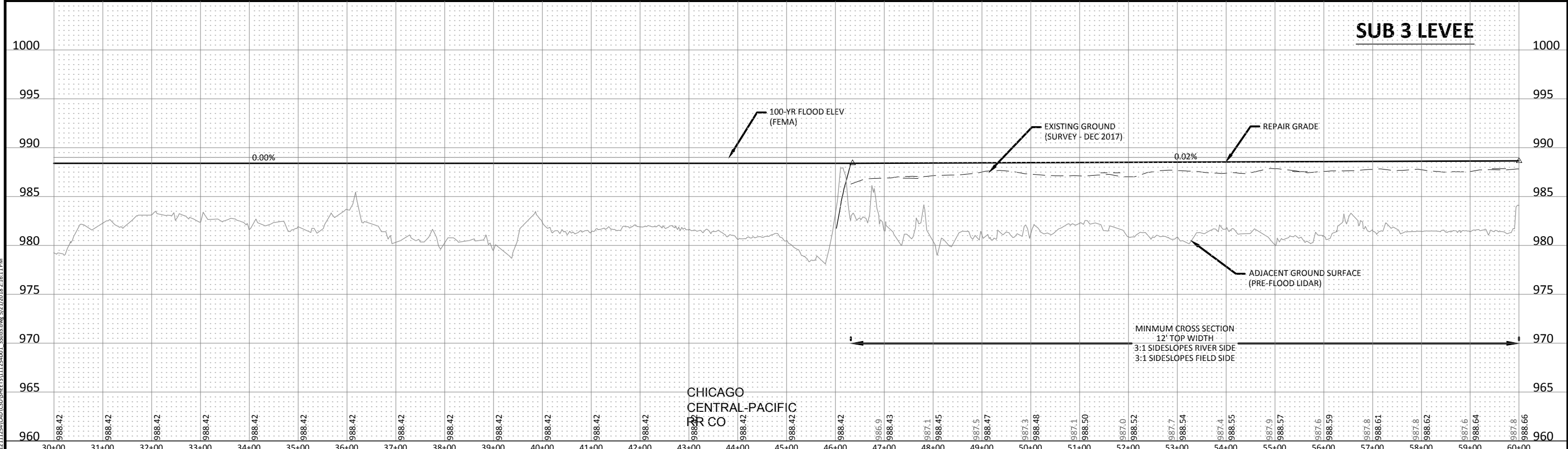
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
SUB 3 LEVEE PLAN & PROFILE

SHEET  
S3.1





© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE CO\121222\121222\GIS\DWG\121222\121222.DWG 5/21/2018 2:16:11 PM



**BOLTON & MENK**  
 300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: Jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

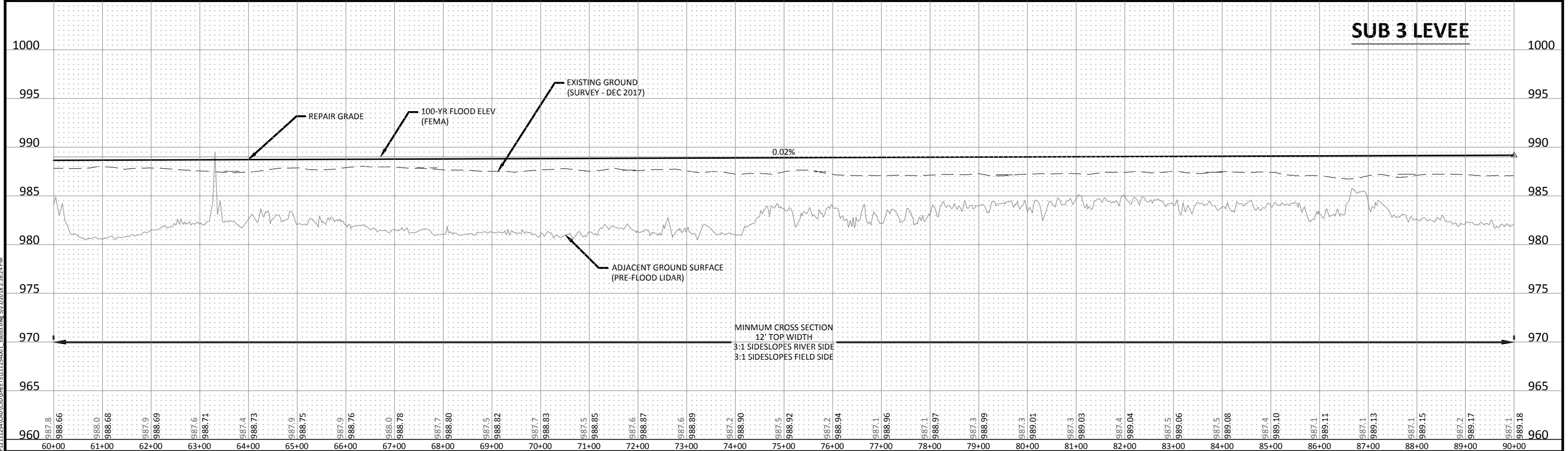
**PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA**  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
**SUB 3 LEVEE PLAN & PROFILE**

SHEET  
 S3.2





© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE CO IOWA\2018\20180501\GIS\FILES\11254\001\_3503.dwg 5/21/2018 2:16:24 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

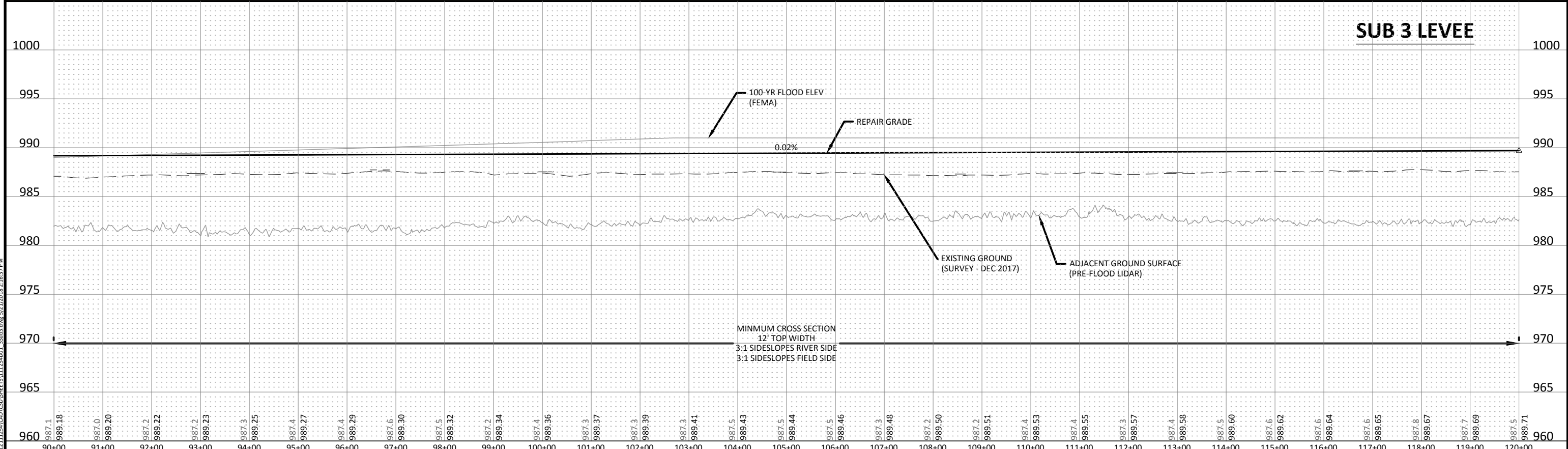
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
SUB 3 LEVEE PLAN & PROFILE

SHEET  
S3.3





© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE



**SUB 3 LEVEE**

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180111\20180111\_20180111\_20180111.dwg 5/21/2018 2:16:37 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

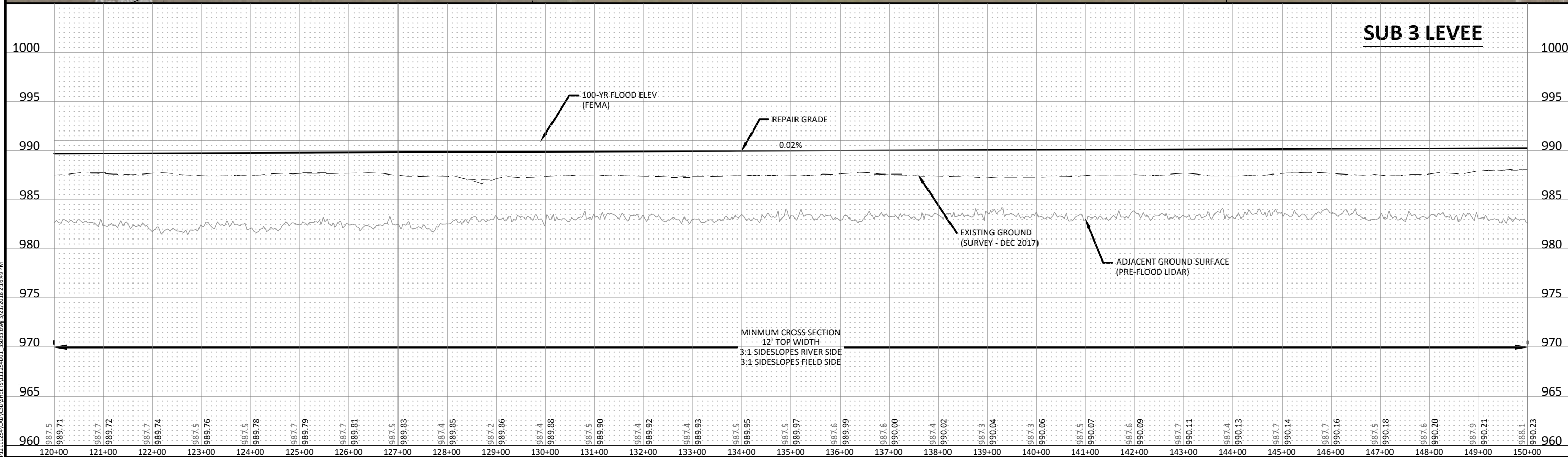
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
SUB 3 LEVEE PLAN & PROFILE

SHEET  
S3.4





© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180111\20180111\_254001\_35013.dwg 5/21/2018 2:16:49 PM



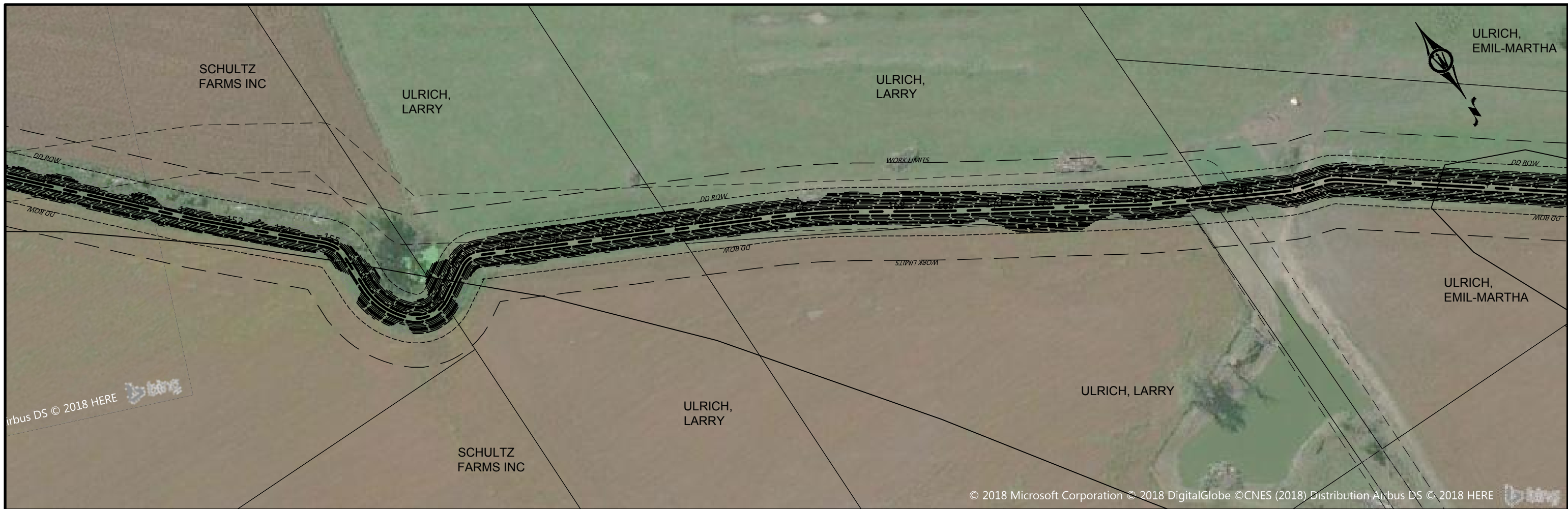
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
SUB 3 LEVEE PLAN & PROFILE

SHEET  
S3.5





© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\PROJECTS\2018\20180111\20180111\_254001\_3503.dwg 5/21/2018 2:17:03 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

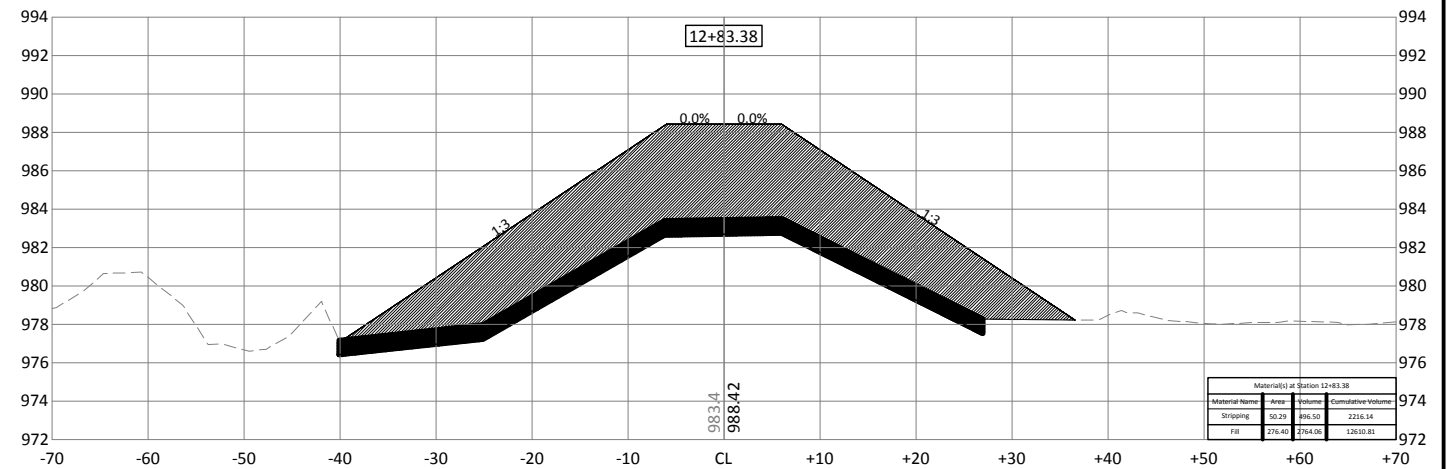
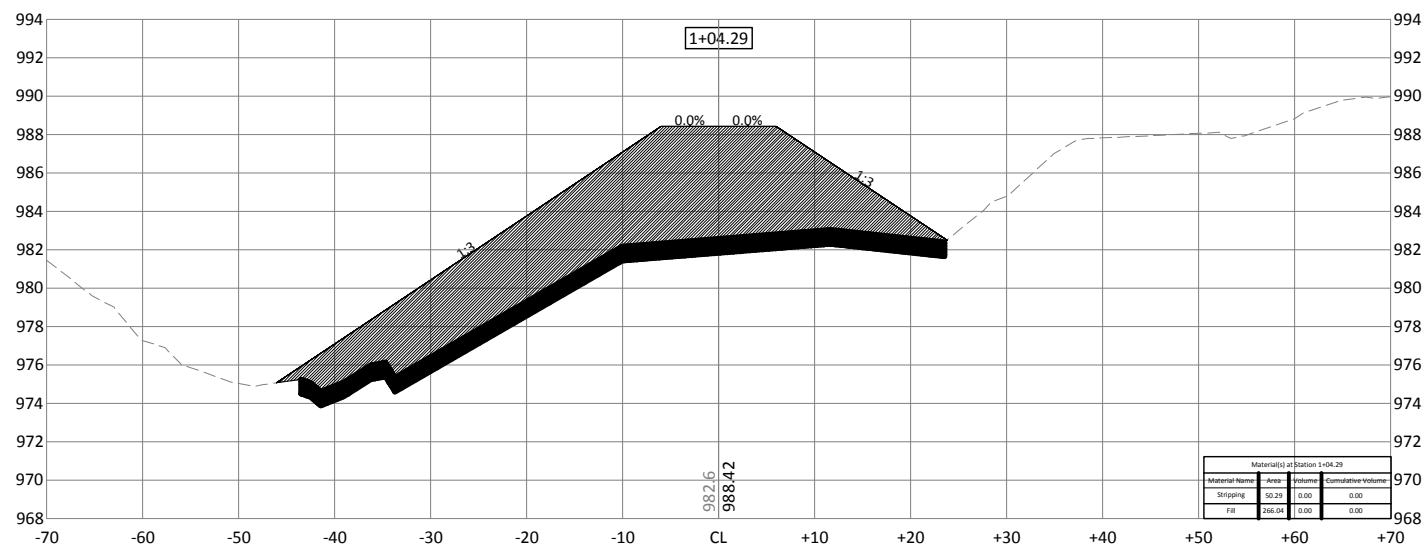
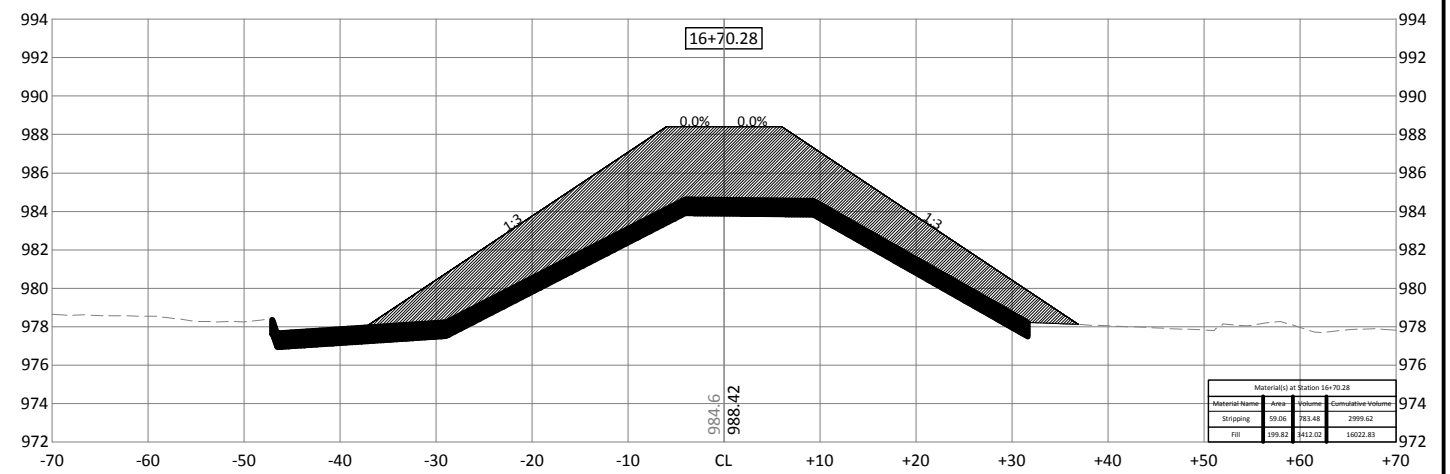
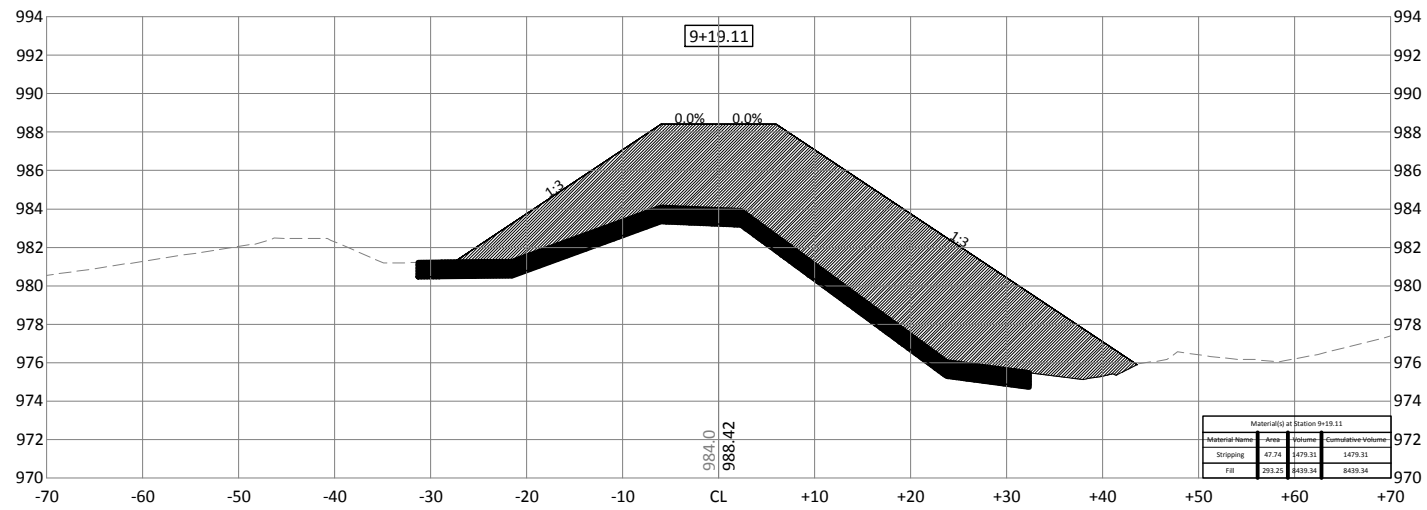
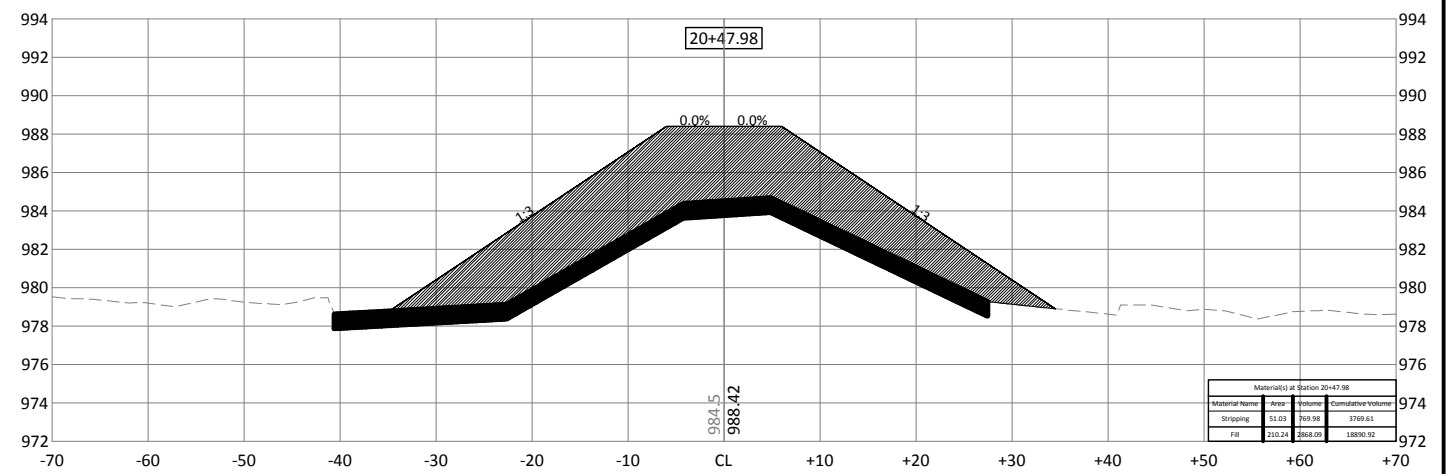
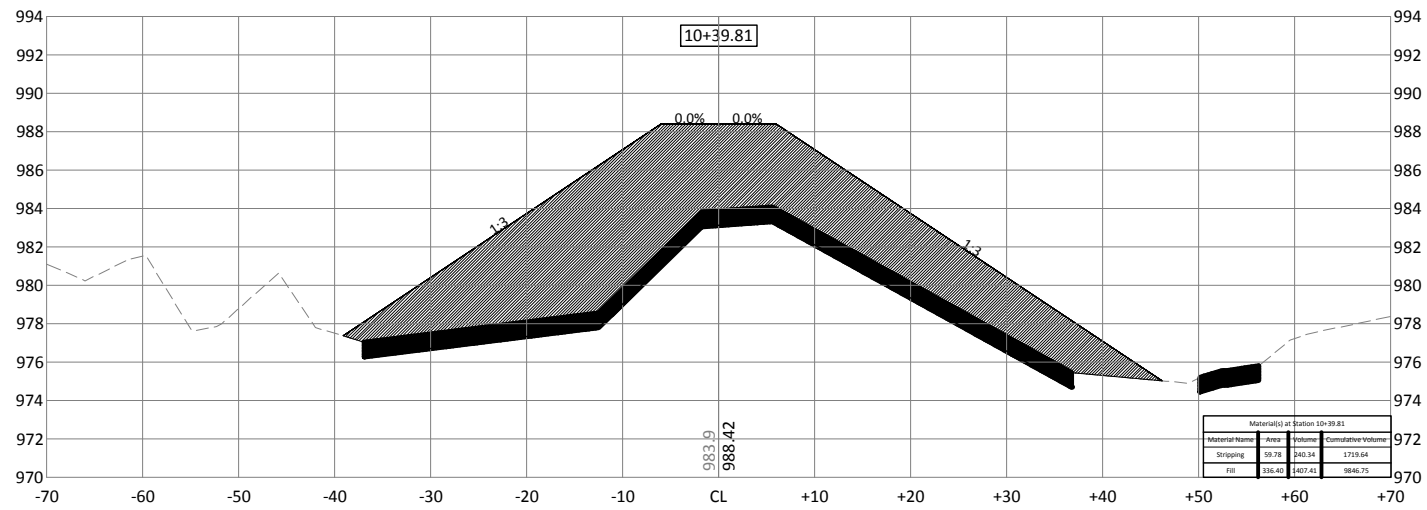
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

**SUB 3 LEVEE**  
 PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
**SUB 3 LEVEE PLAN & PROFILE**

SHEET  
 S3.6



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE CO. IA\1211254\CORR\_2\_Quantity.dwg 5/21/2018 2:18:30 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

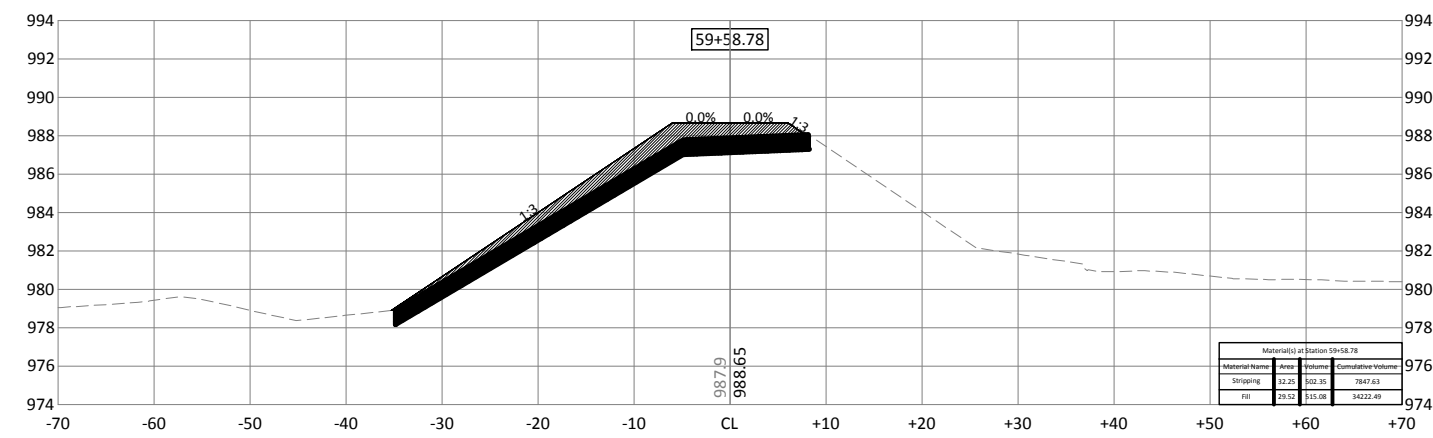
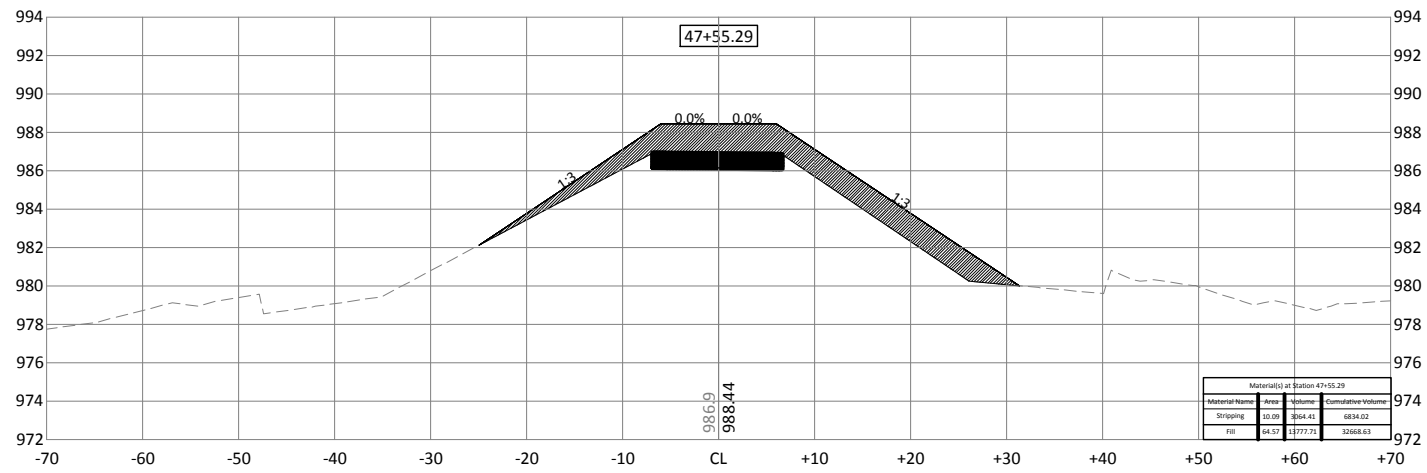
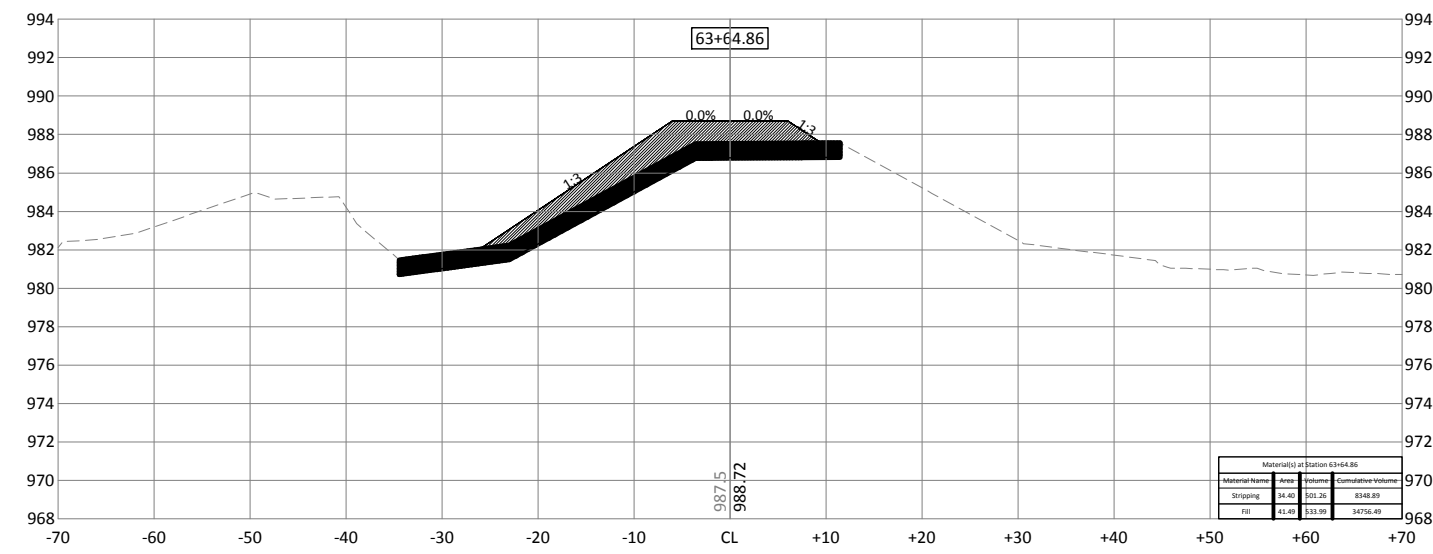
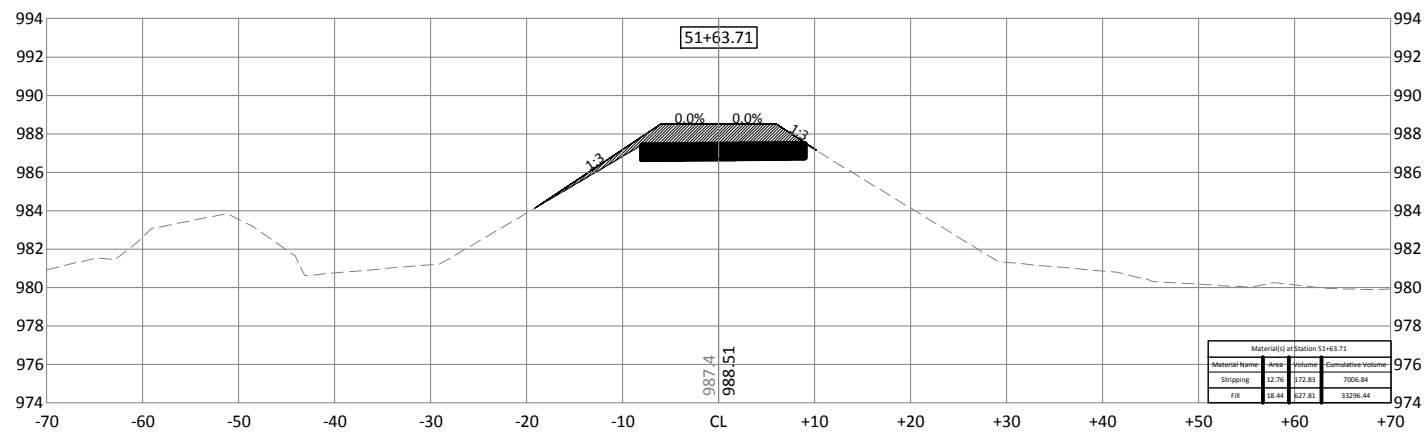
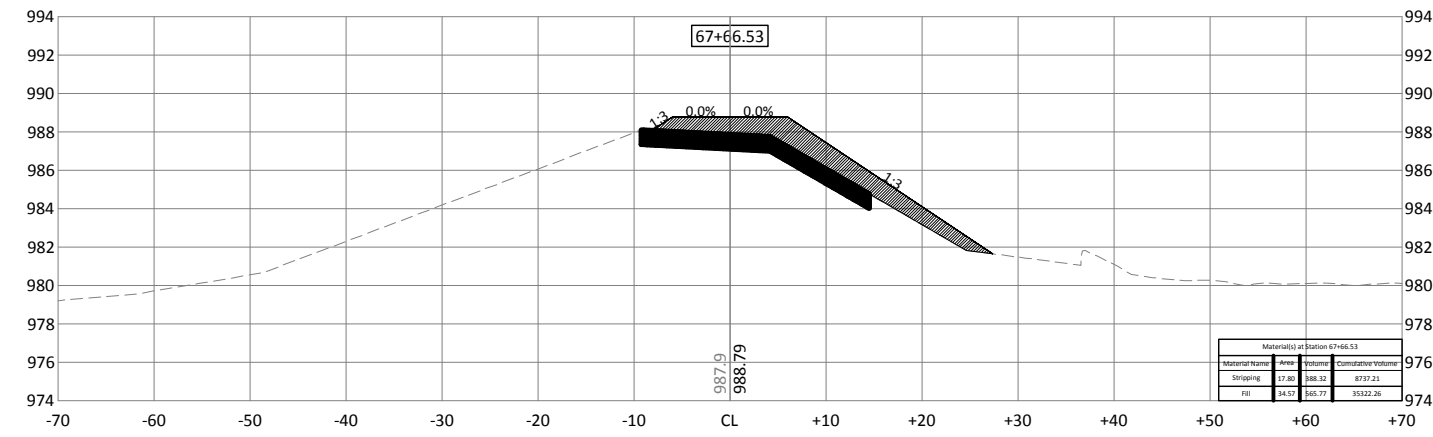
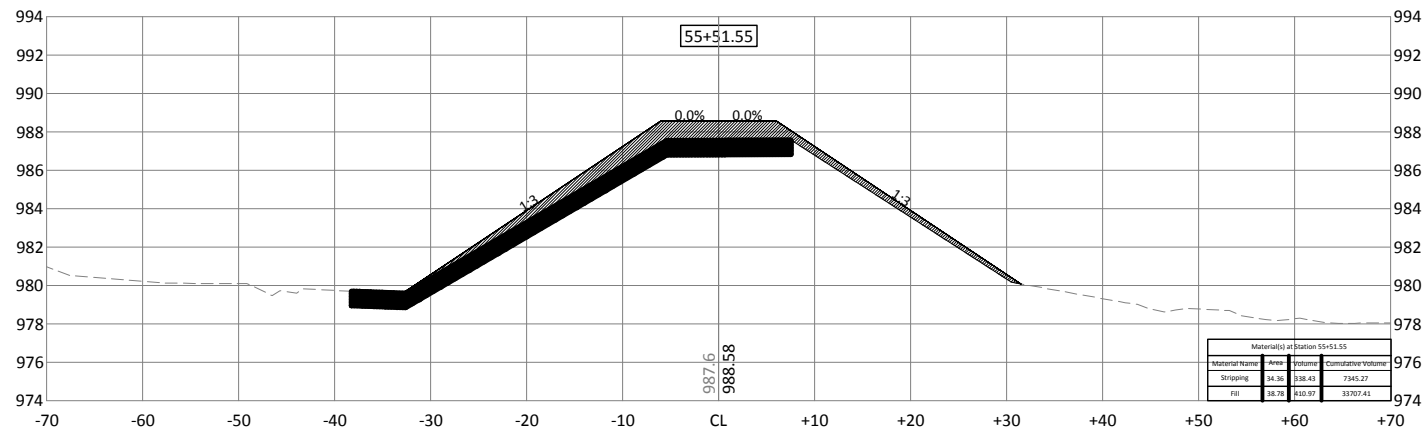
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.1



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-11211254\CORR\_2\_Quantity.dwg 5/21/2018 2:18:54 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

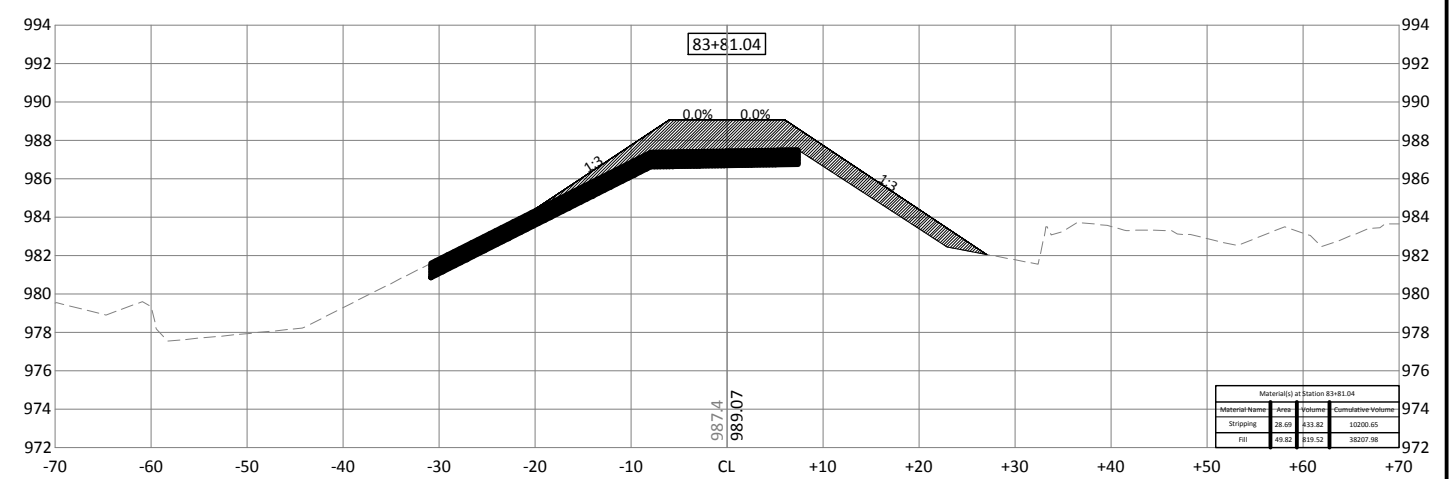
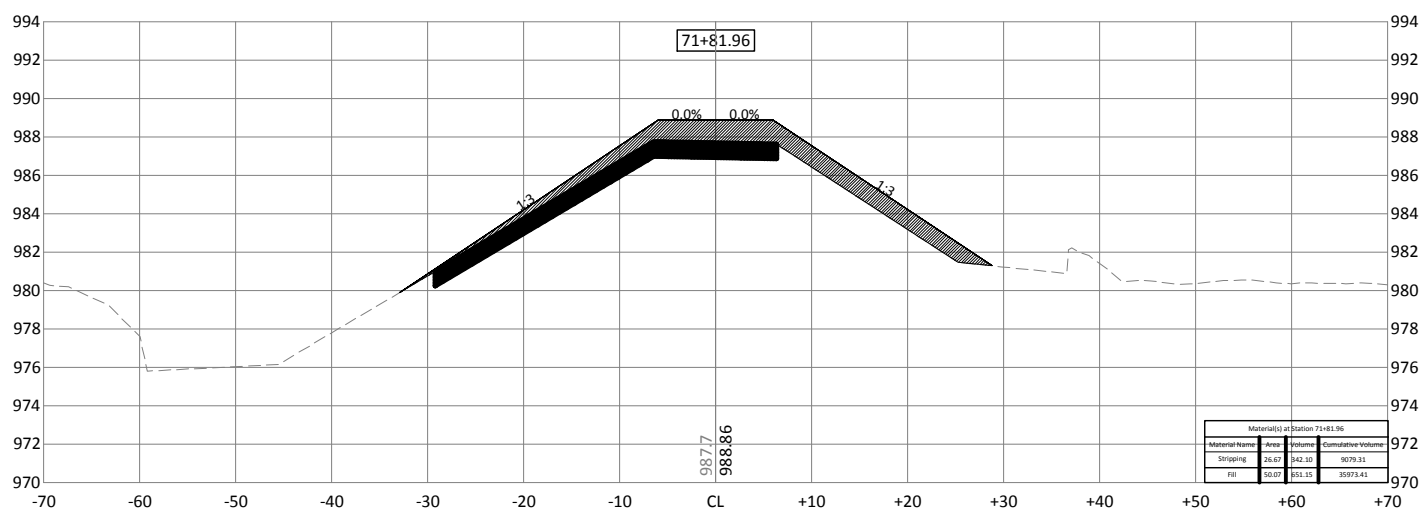
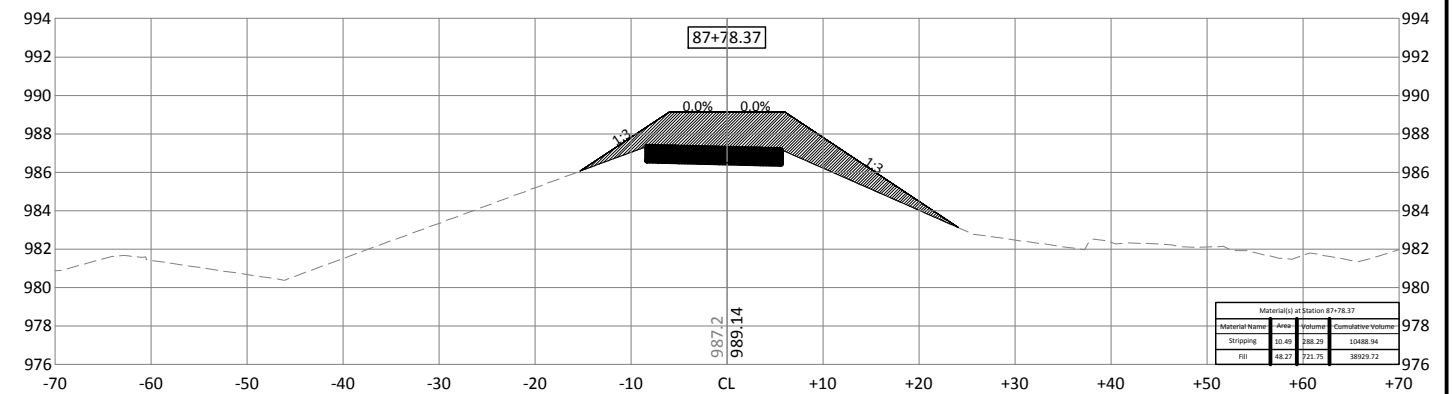
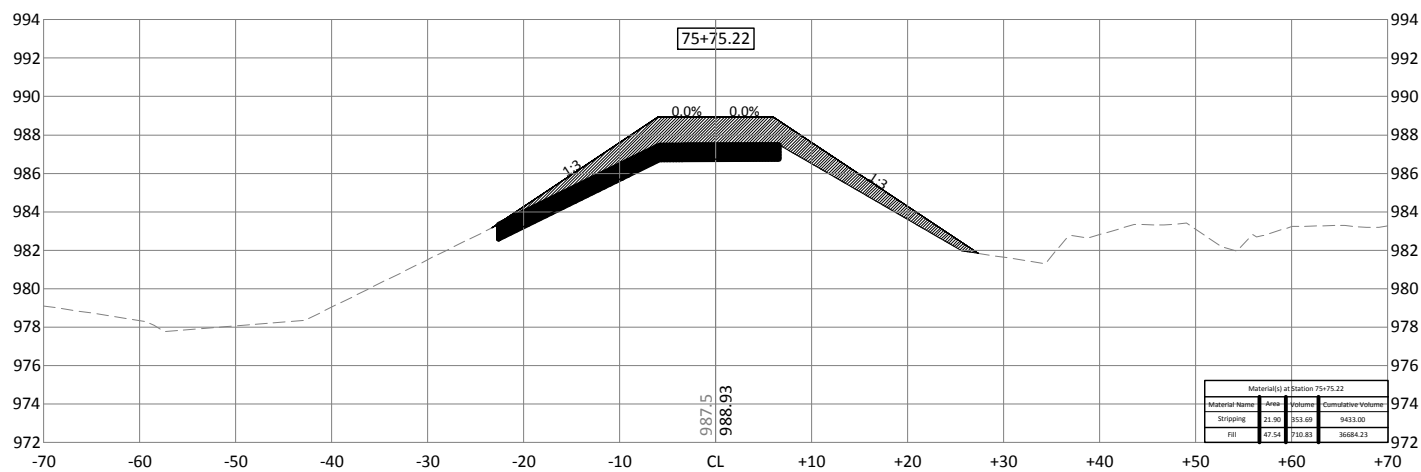
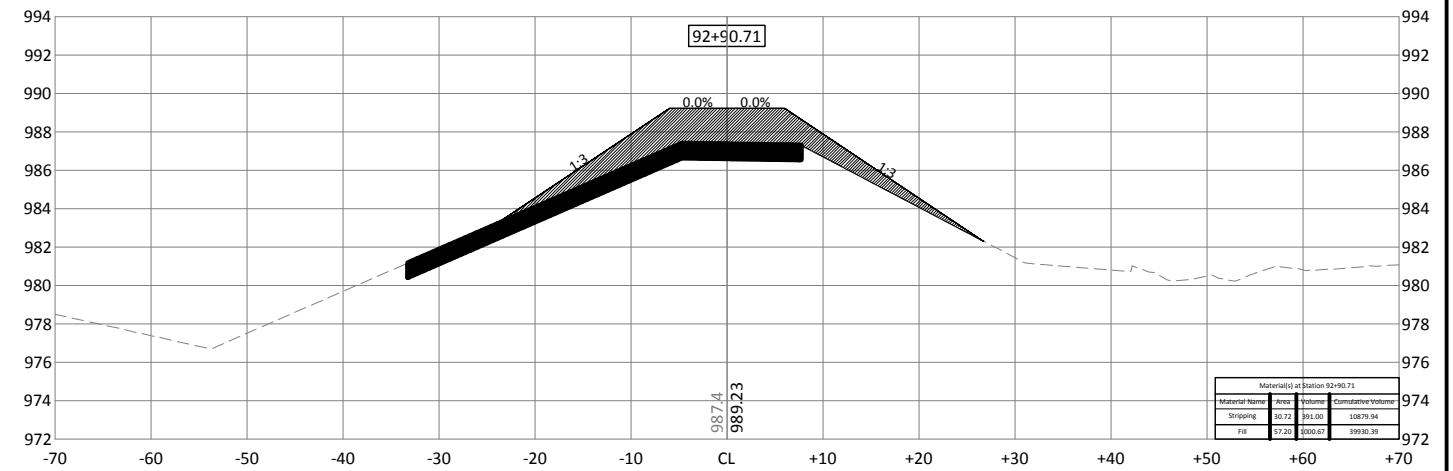
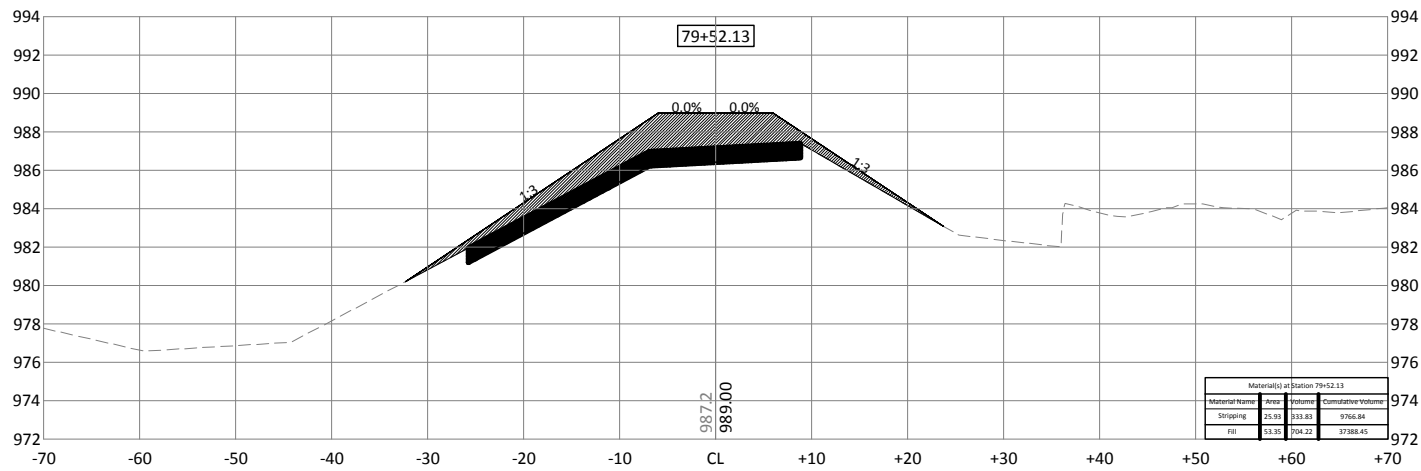
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.2



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\121254\CADD\121254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:19:18 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

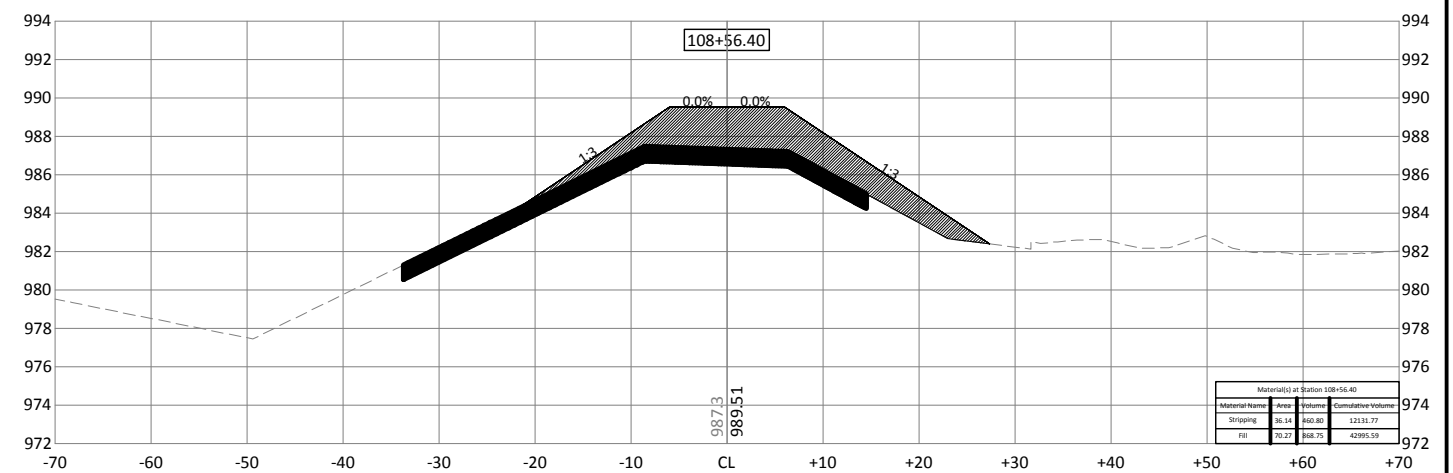
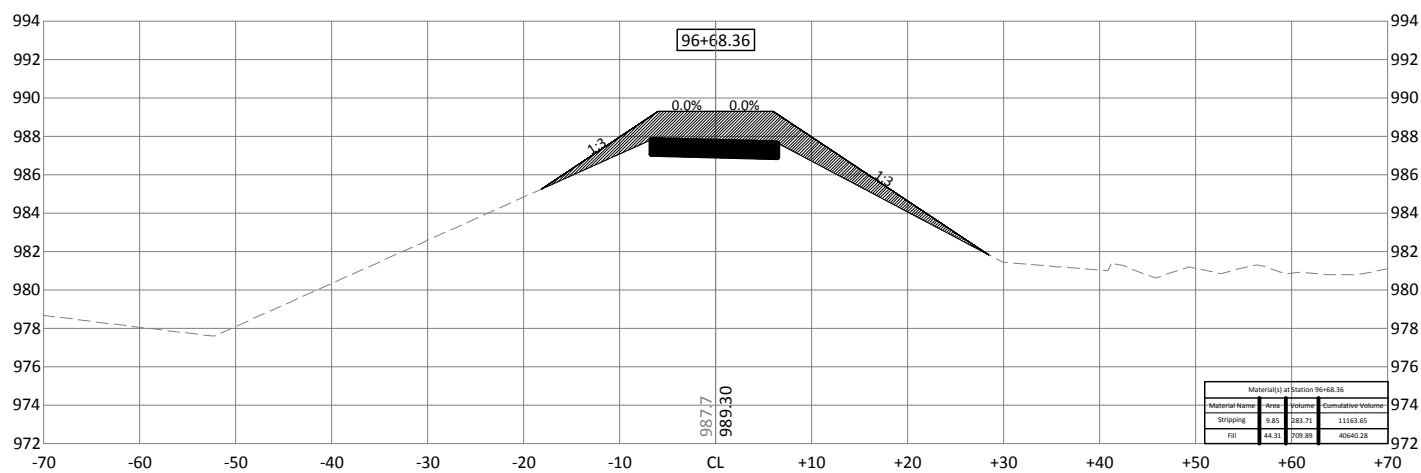
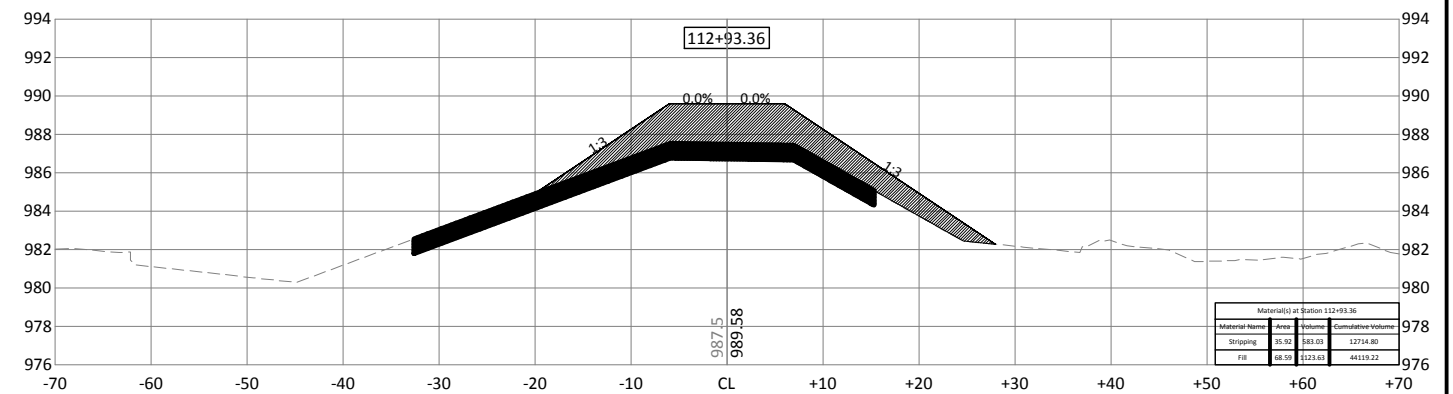
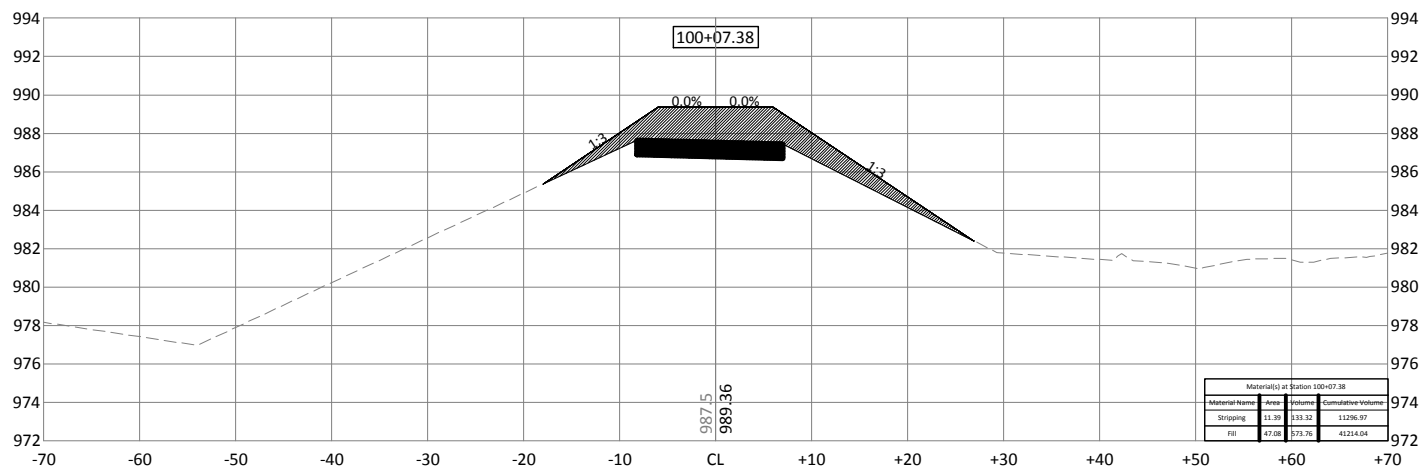
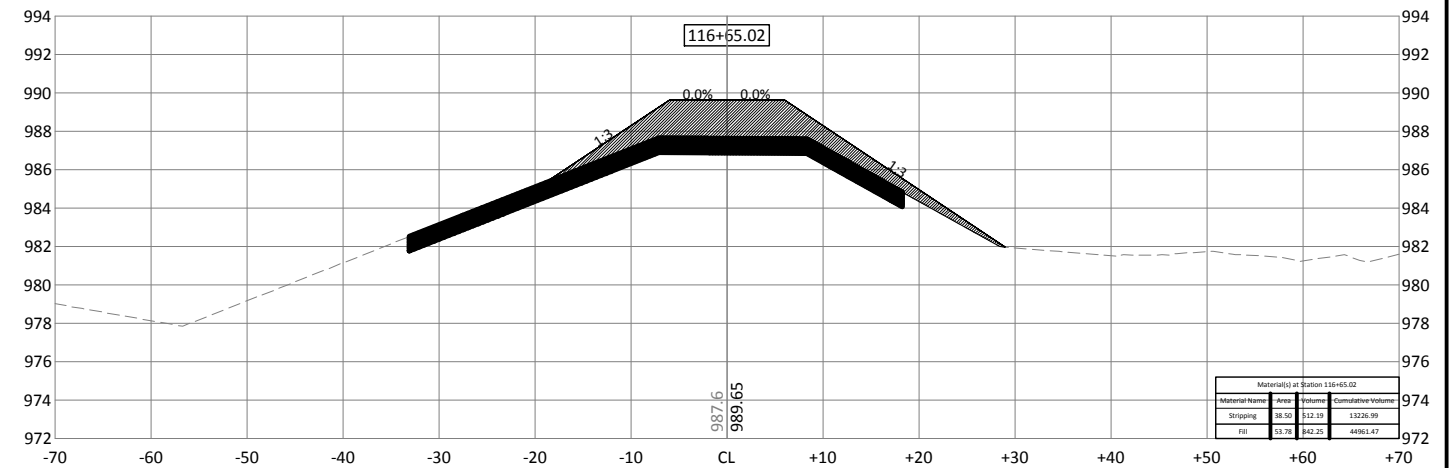
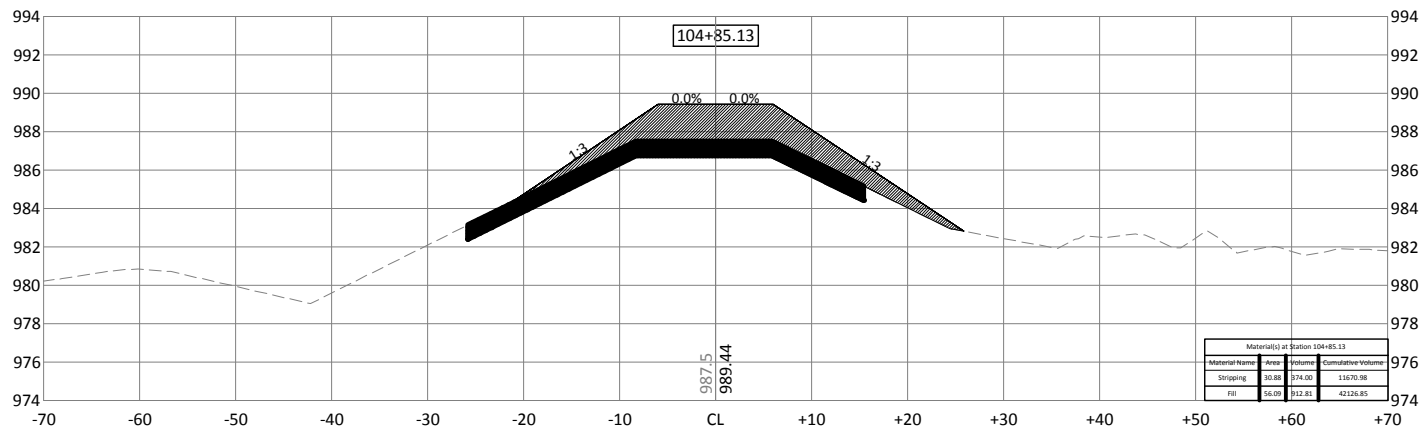
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.3



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\11254\11254\11254\11254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:18:42 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

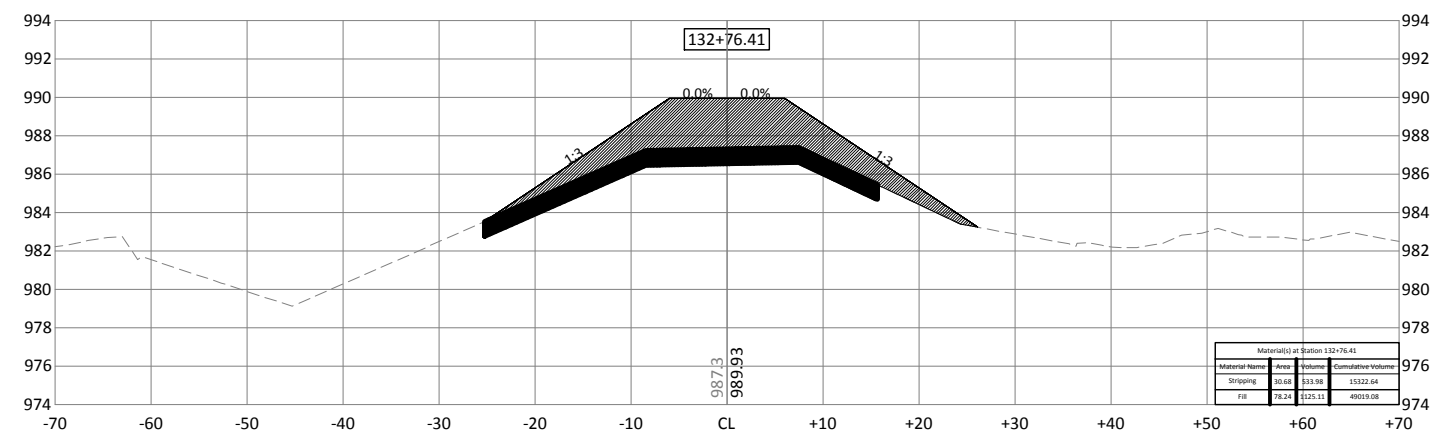
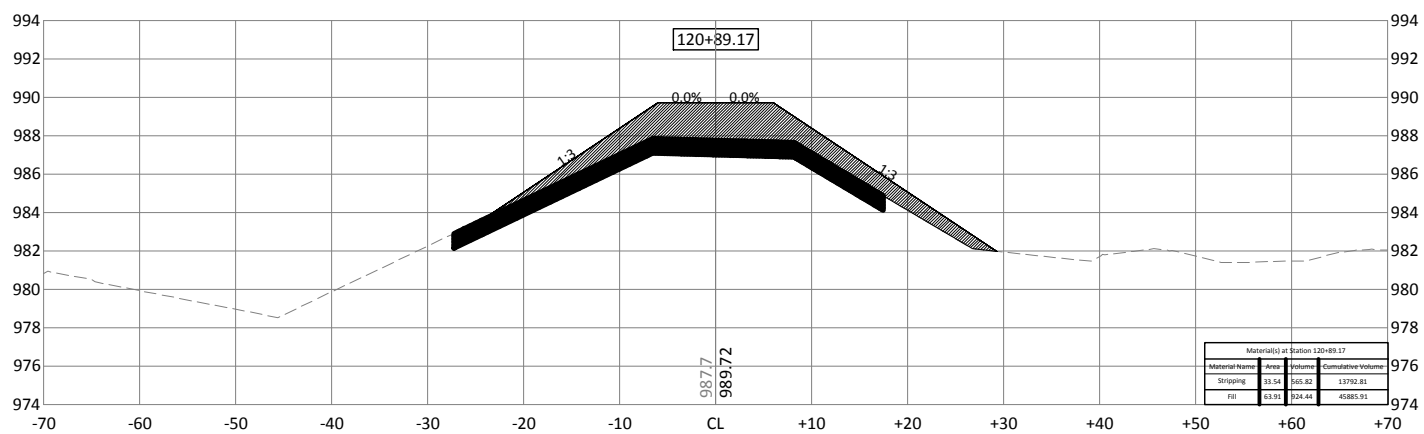
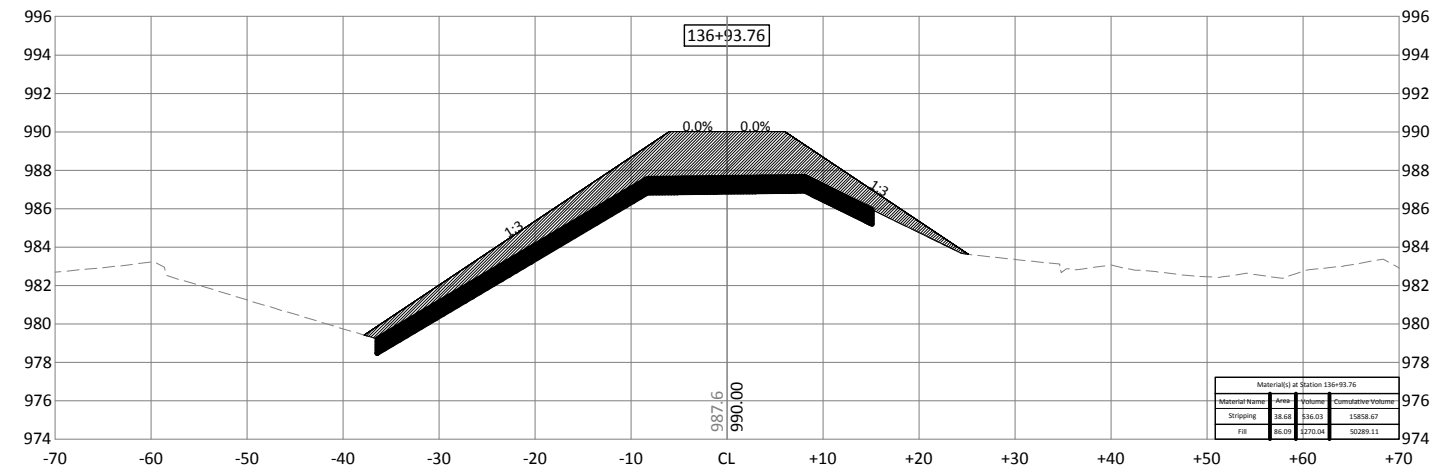
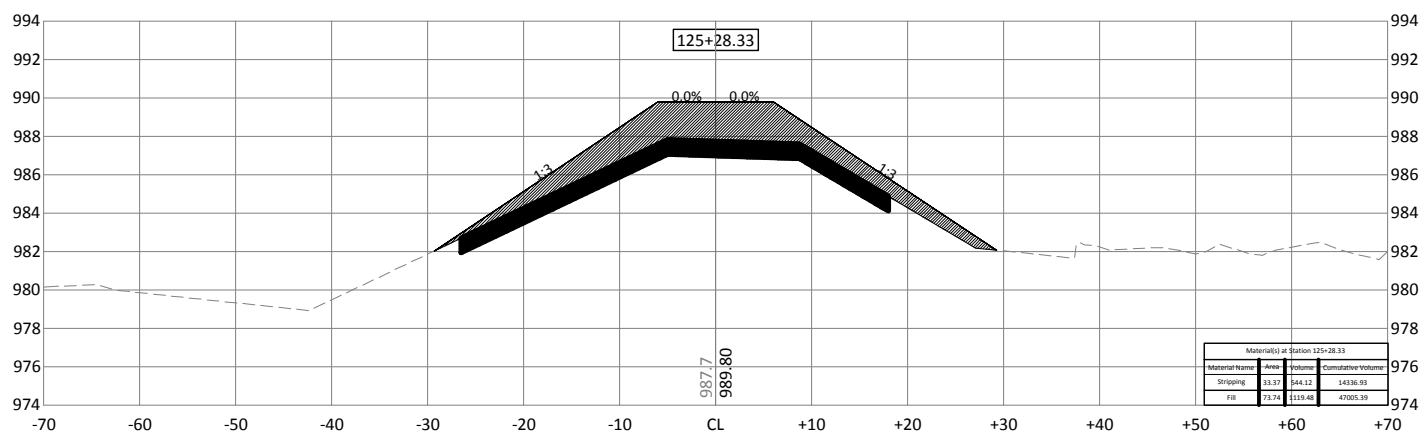
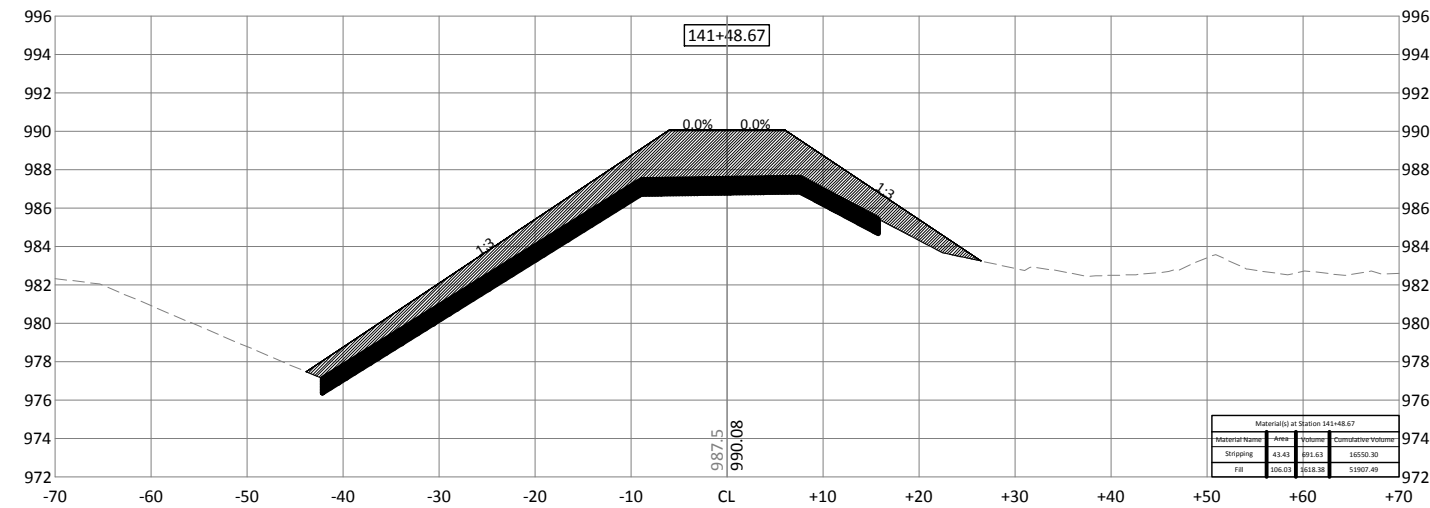
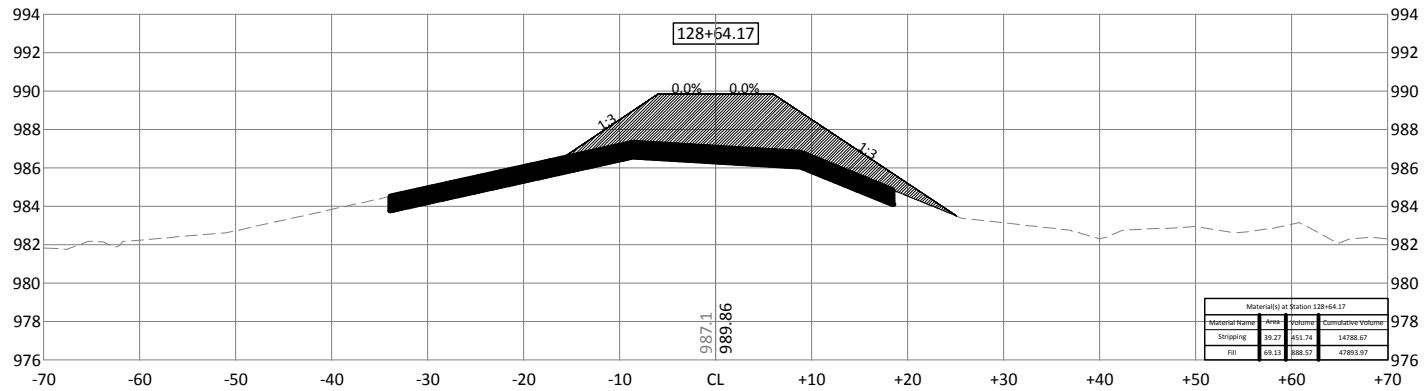
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.4



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-14102-11254\CADD\11254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:20:07 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

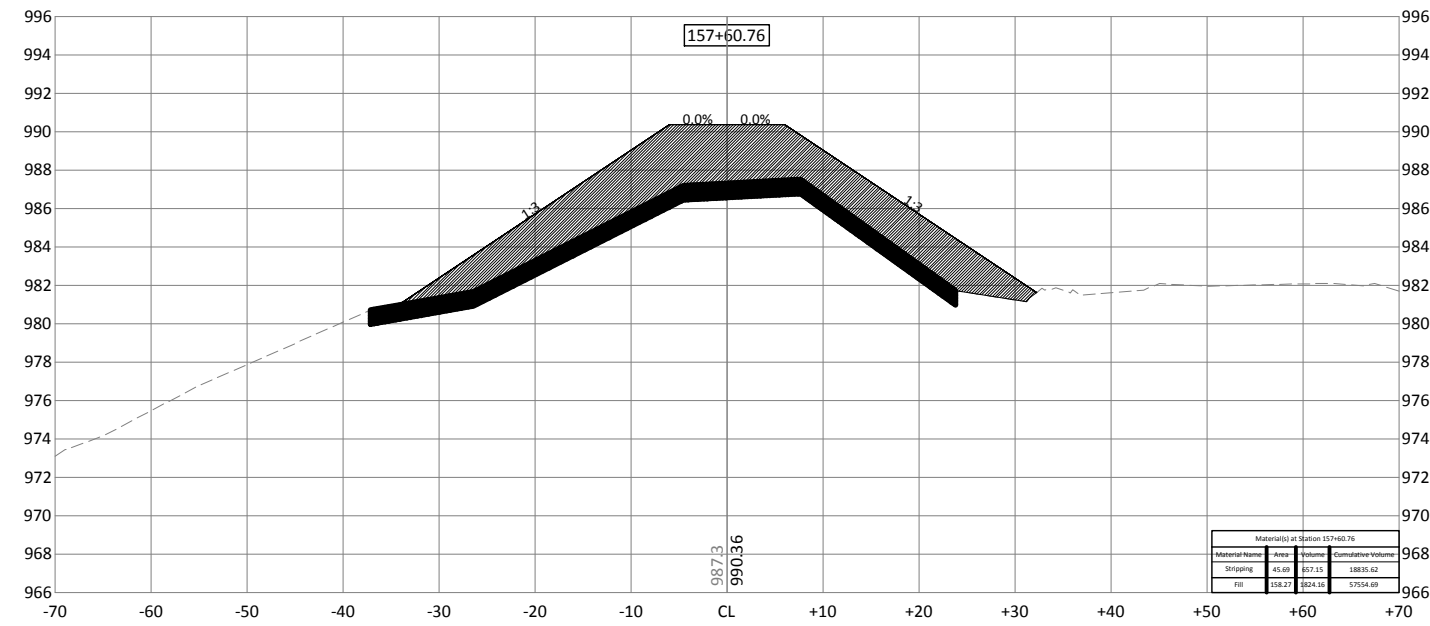
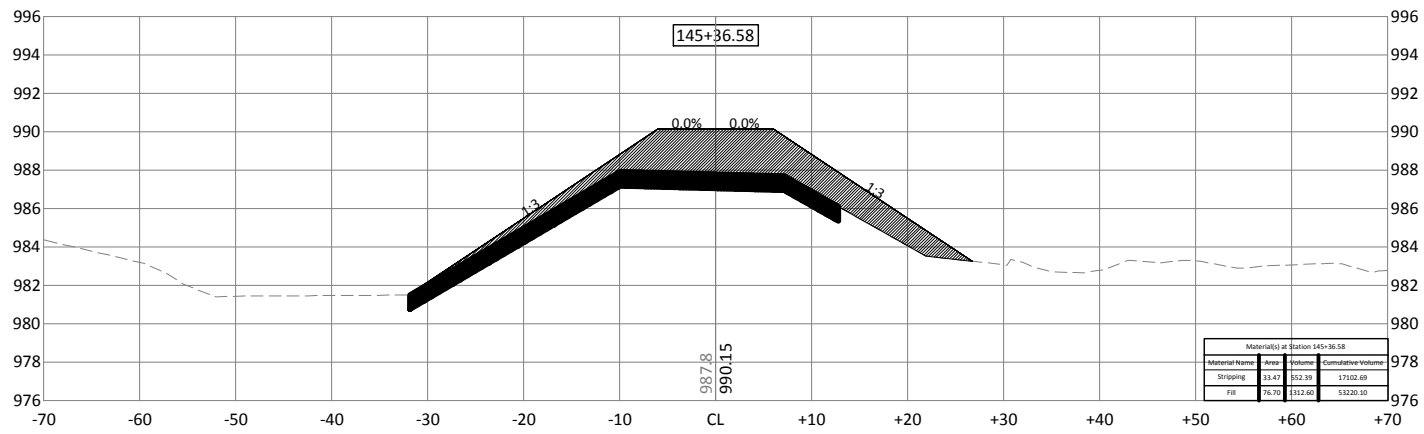
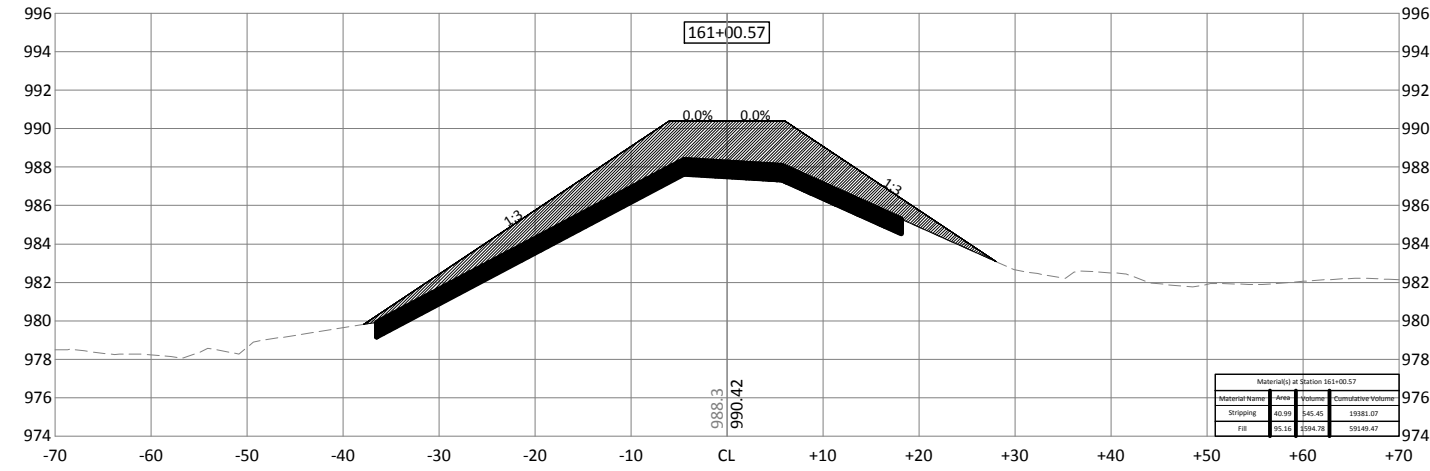
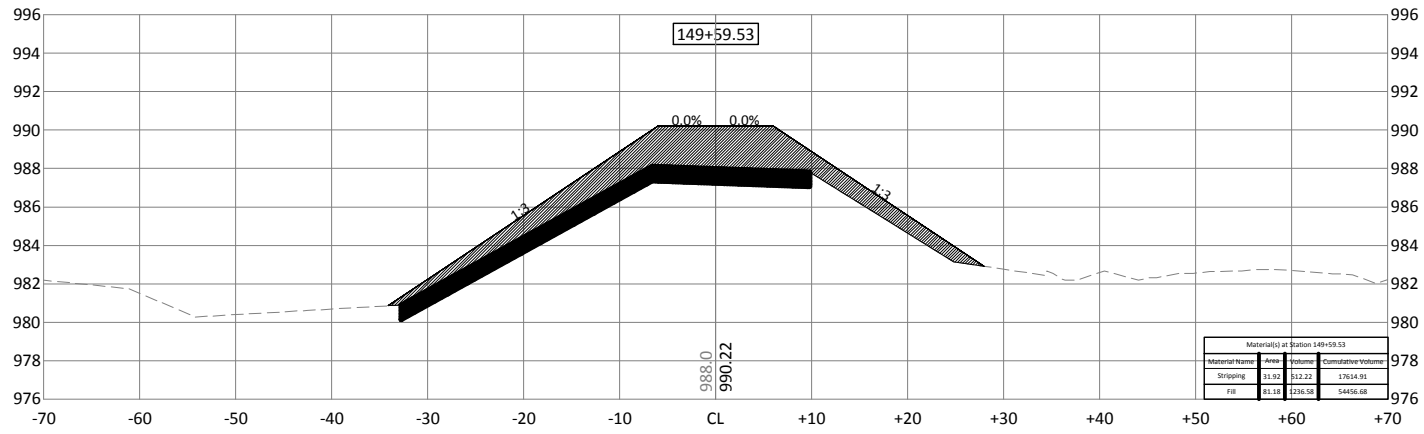
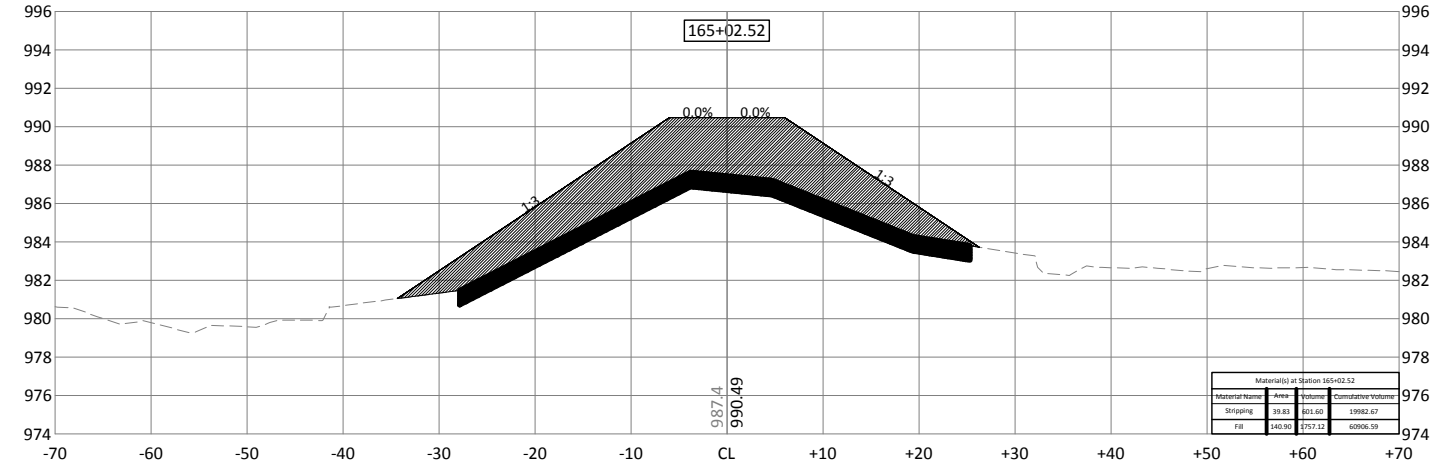
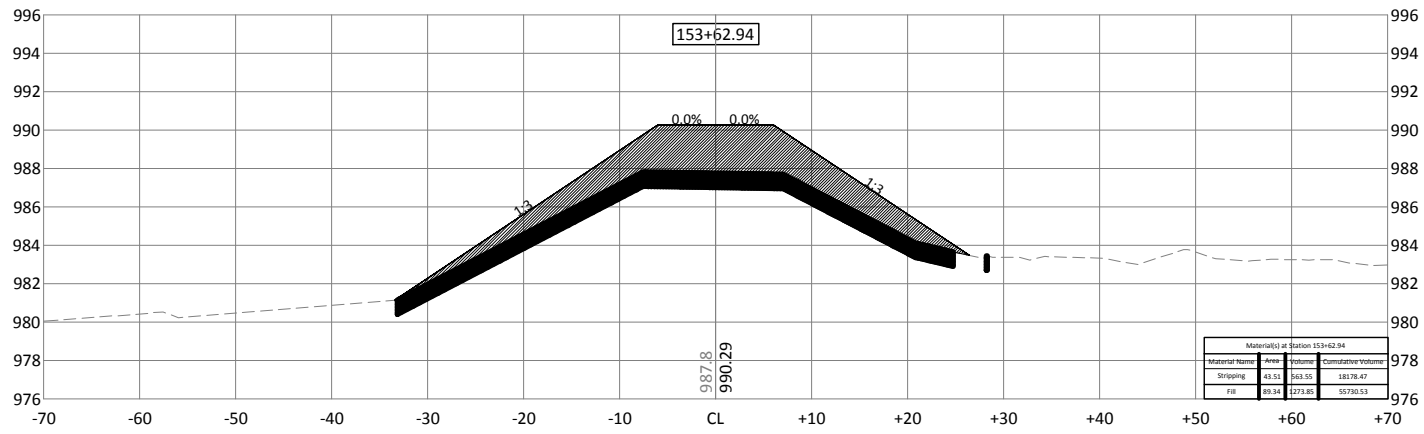
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.5



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-14\1211254\CD\111254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:20:32 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

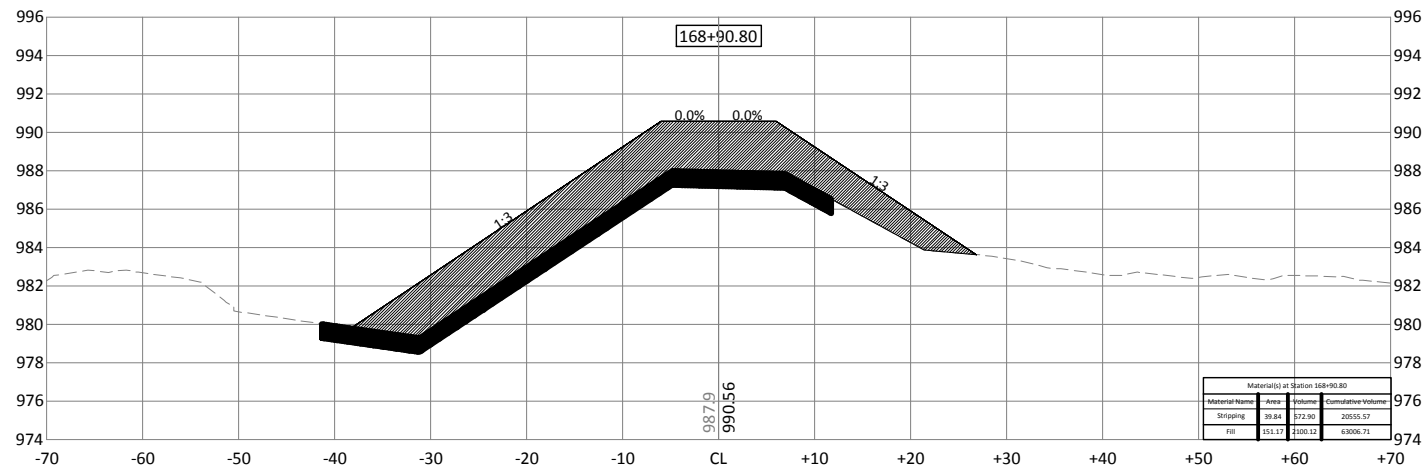
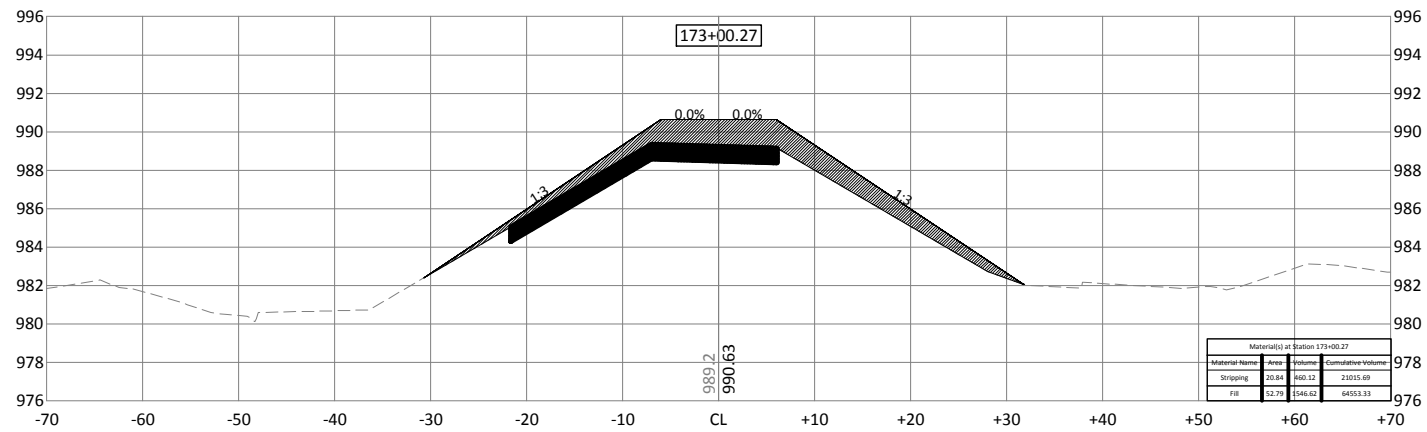
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.6



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMI\_CO\_IA\12.11.25\12.11.25\_C\_CORR\_2\_Connivity.dwg 5/21/2018 2:20:56 PM

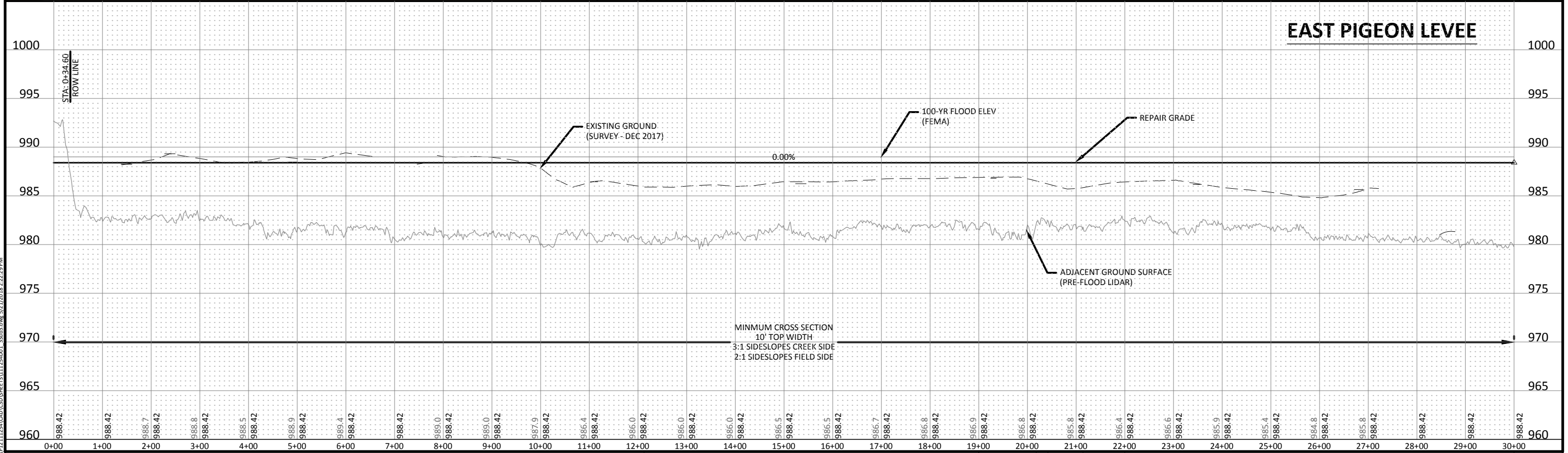


300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
SUB 3 LEVEE CROSS SECTIONS

SHEET  
XS3.7



© Bolton & Menk, Inc. 2018. All Rights Reserved. P12.111254 (GD) DATE: 5/21/2018 2:22:29 PM



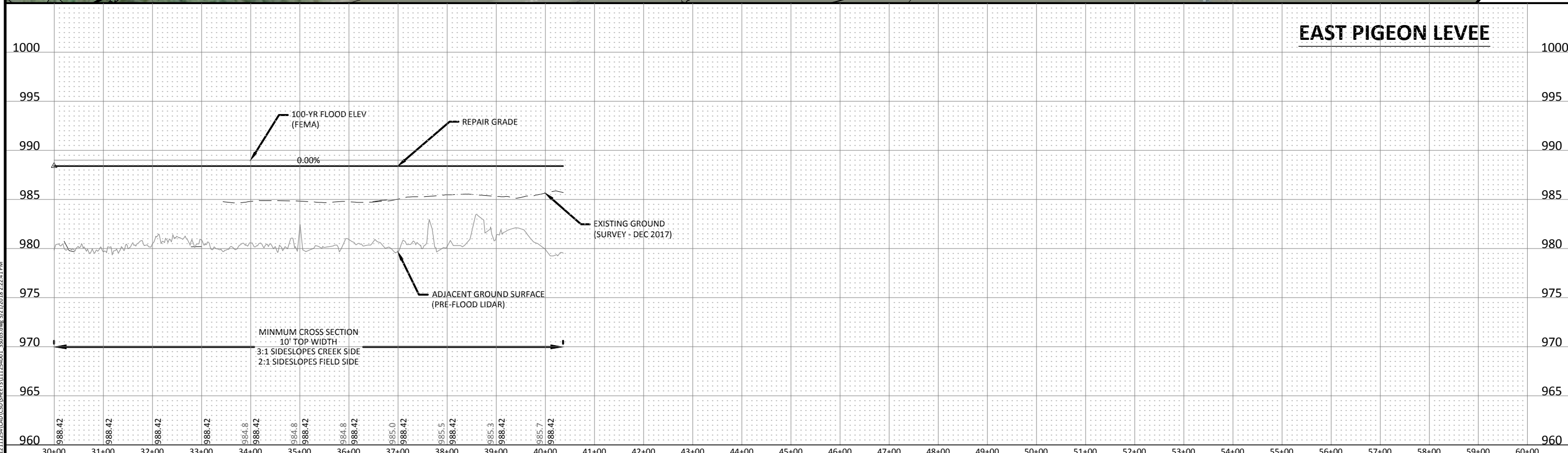
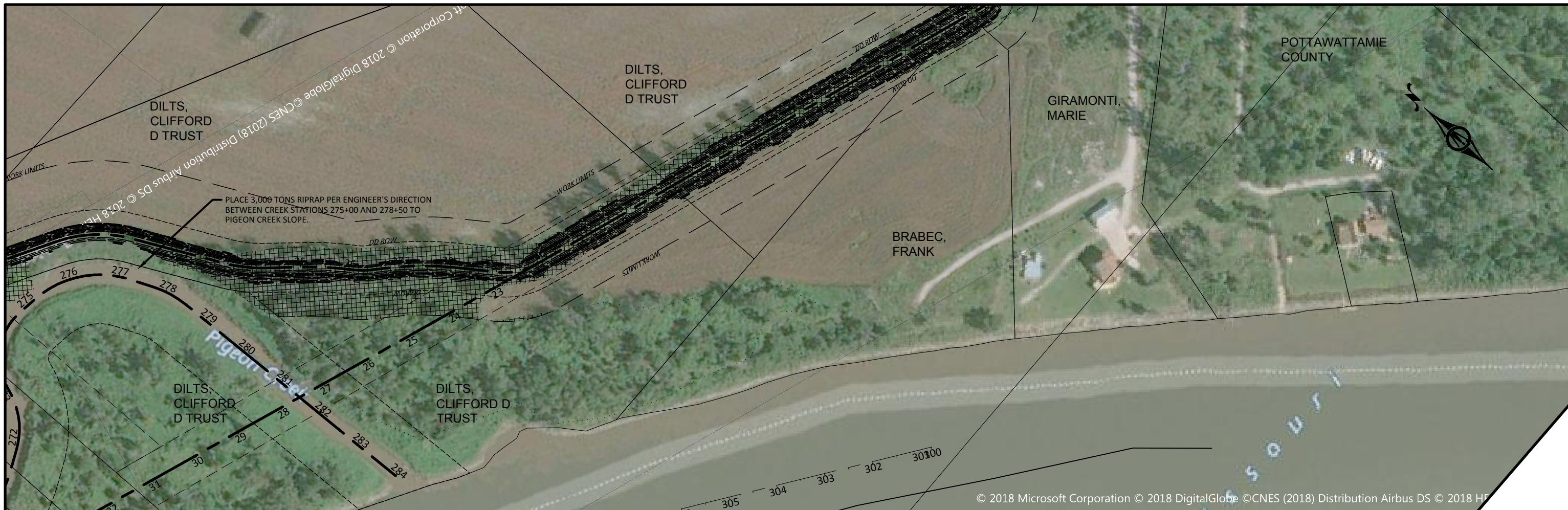
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
EAST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE

SHEET  
EP.1





© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\PROJECTS\2018\20180111\20180111\_254001\_35013.dwg 5/21/2018 2:22:41 PM



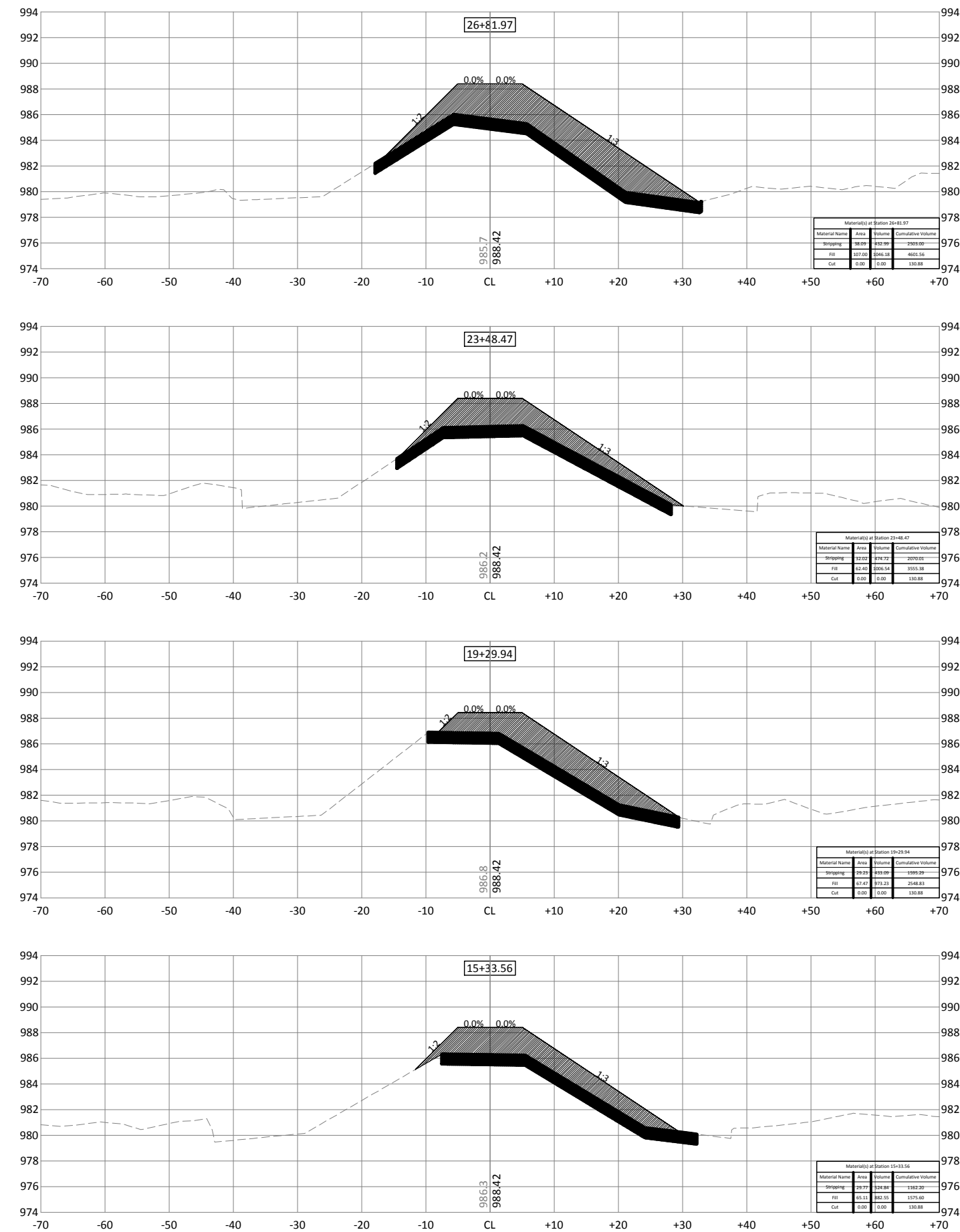
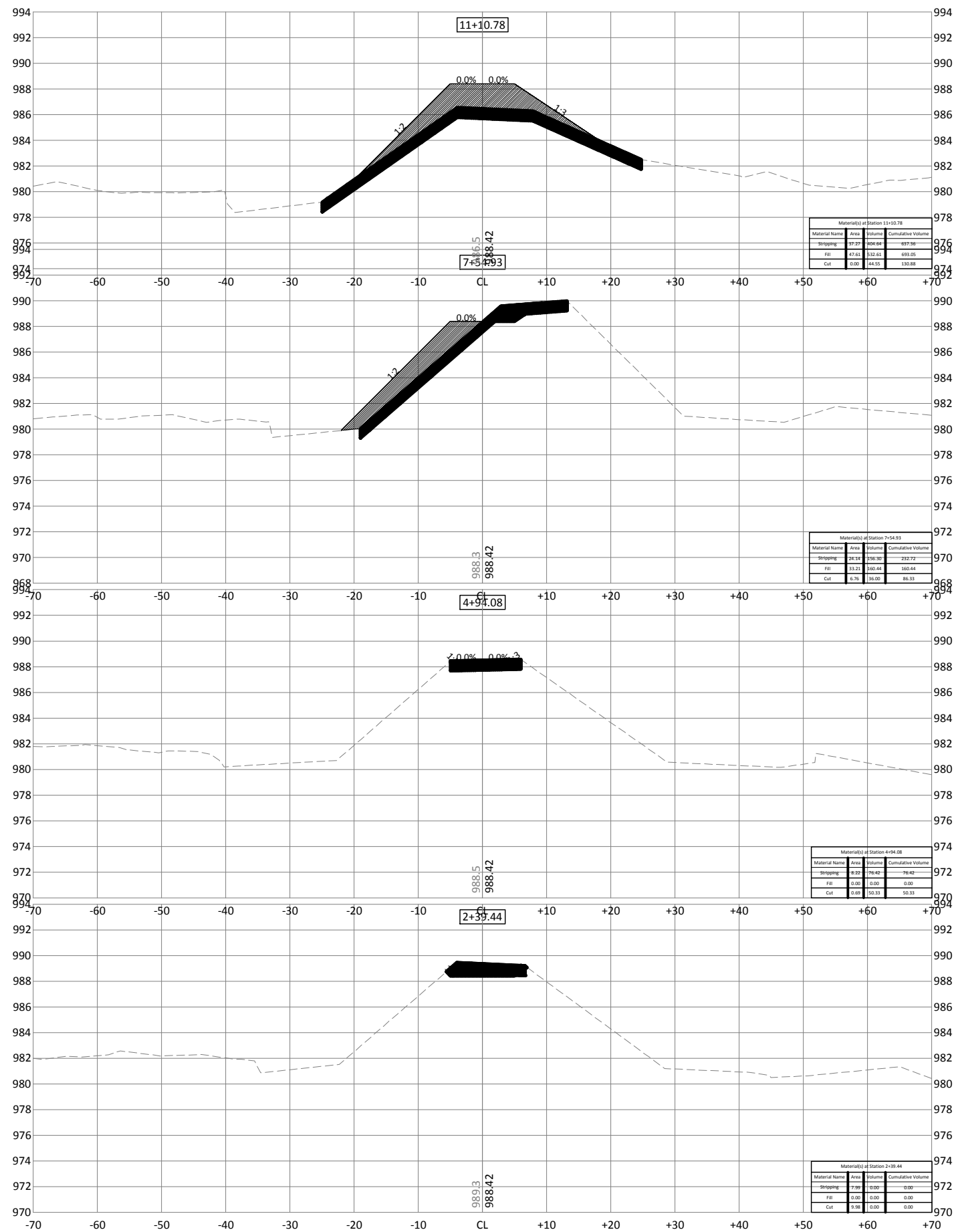
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: Jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

**PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA**  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
**EAST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE**

SHEET  
 EP.2

© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\POTAWATTAMIE CO\11211254\11211254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:24:06 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

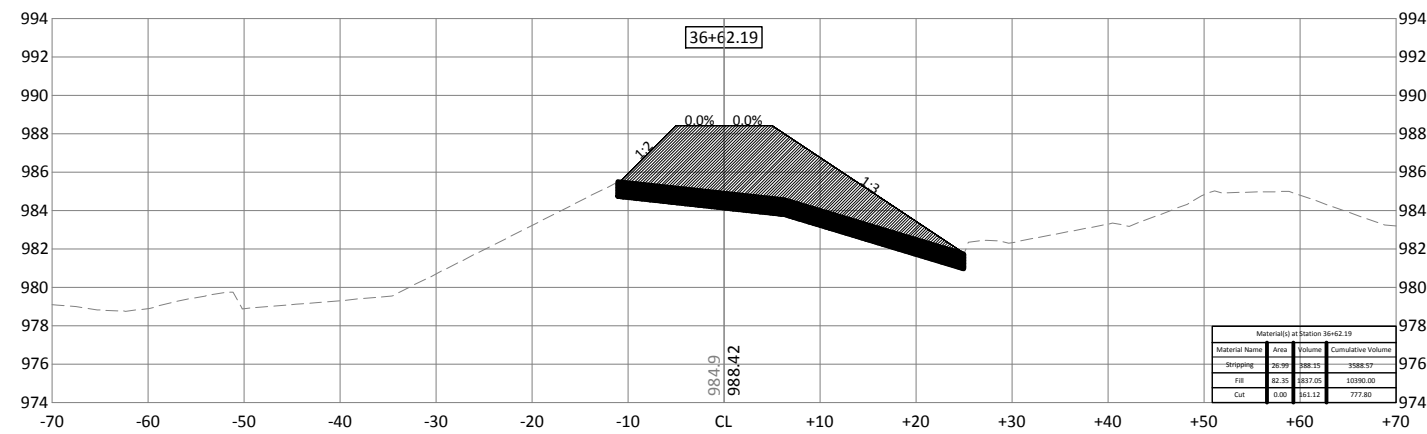
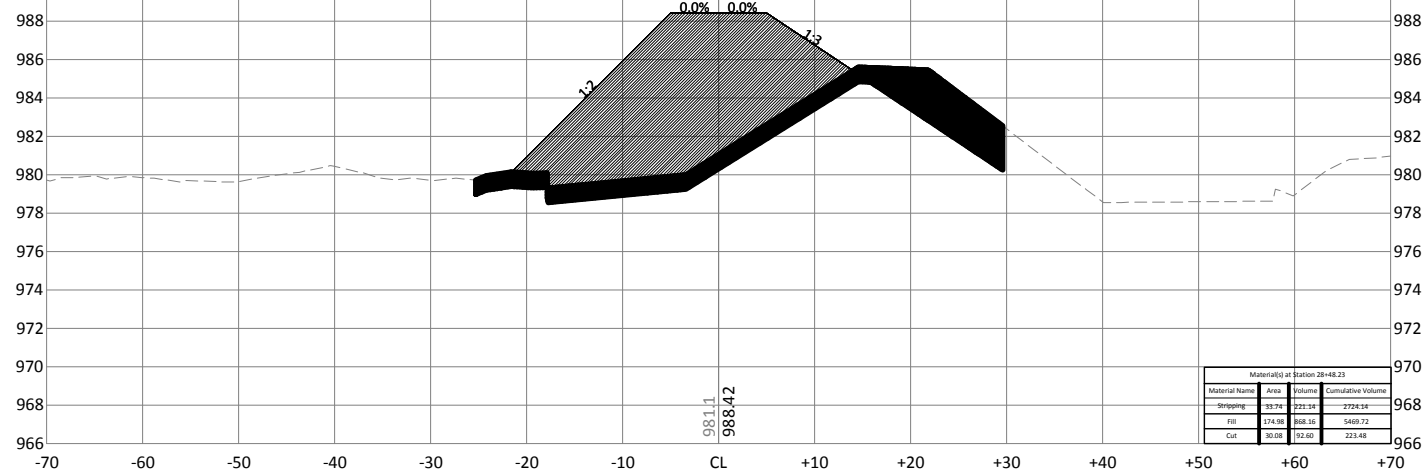
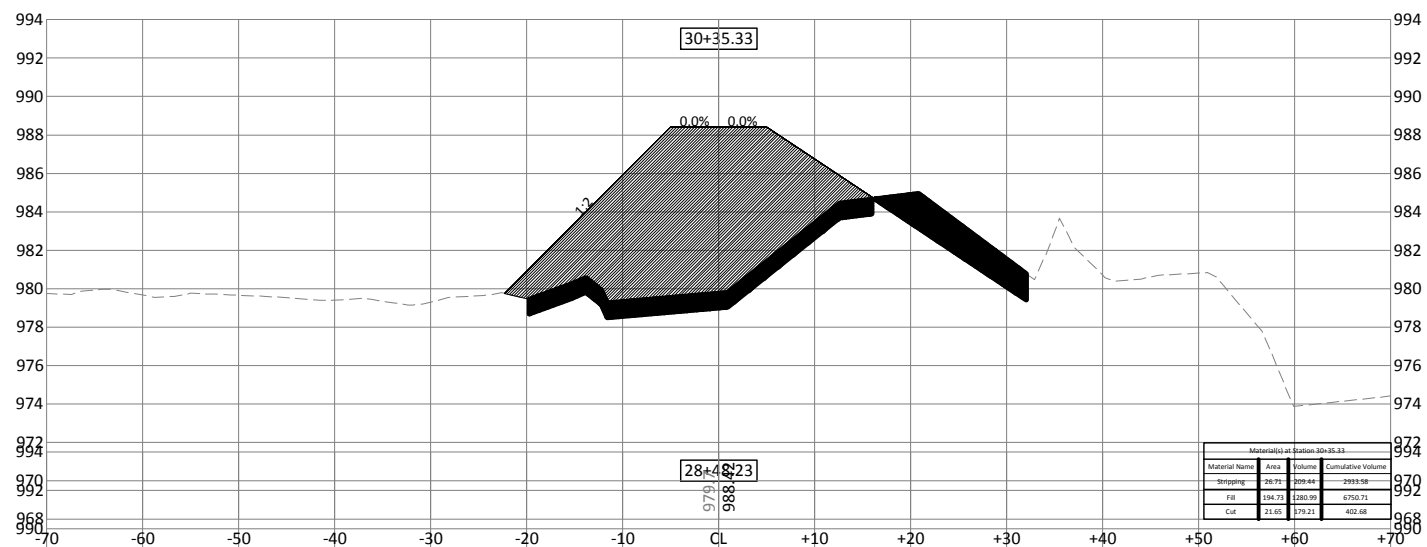
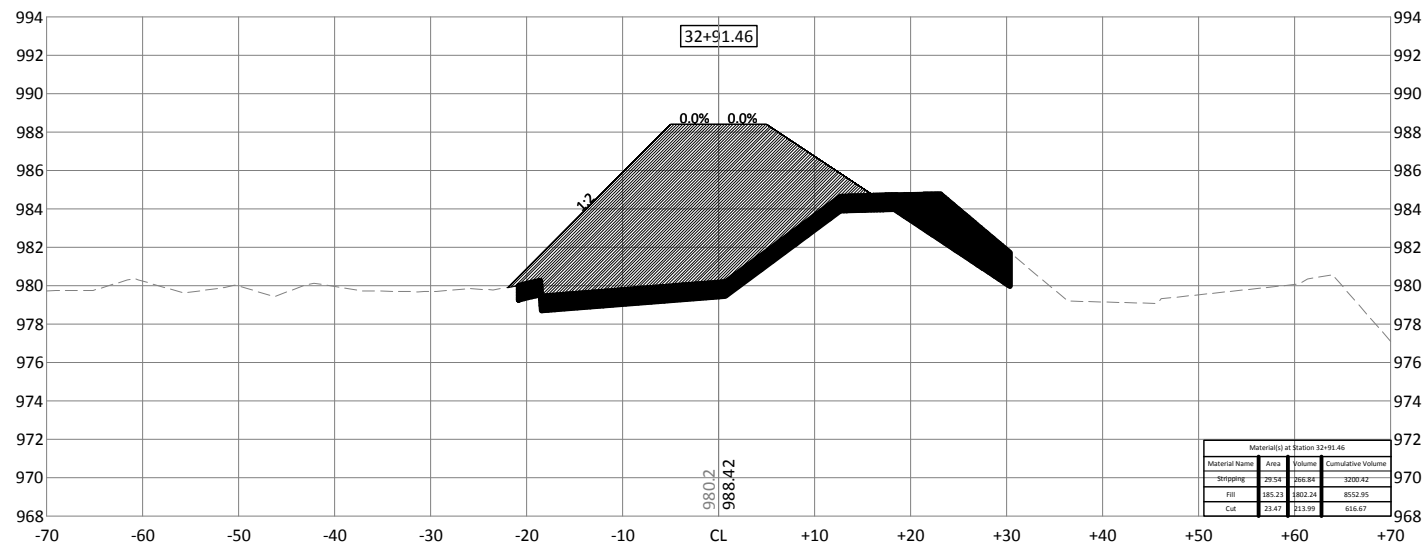
DESIGNED	JPR	NO.	REVISION	DATE
DRAWN	JPR			
CHECKED	DDE			
CLIENT PROJ. NO.	P12.111254			

**PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA**  
 DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
 EAST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS

SHEET  
 XEP.1



© Bolton & Menk, Inc. 2018. All Rights Reserved  
 P:\PROJECTS\121254\CADD\121254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:24:30 PM

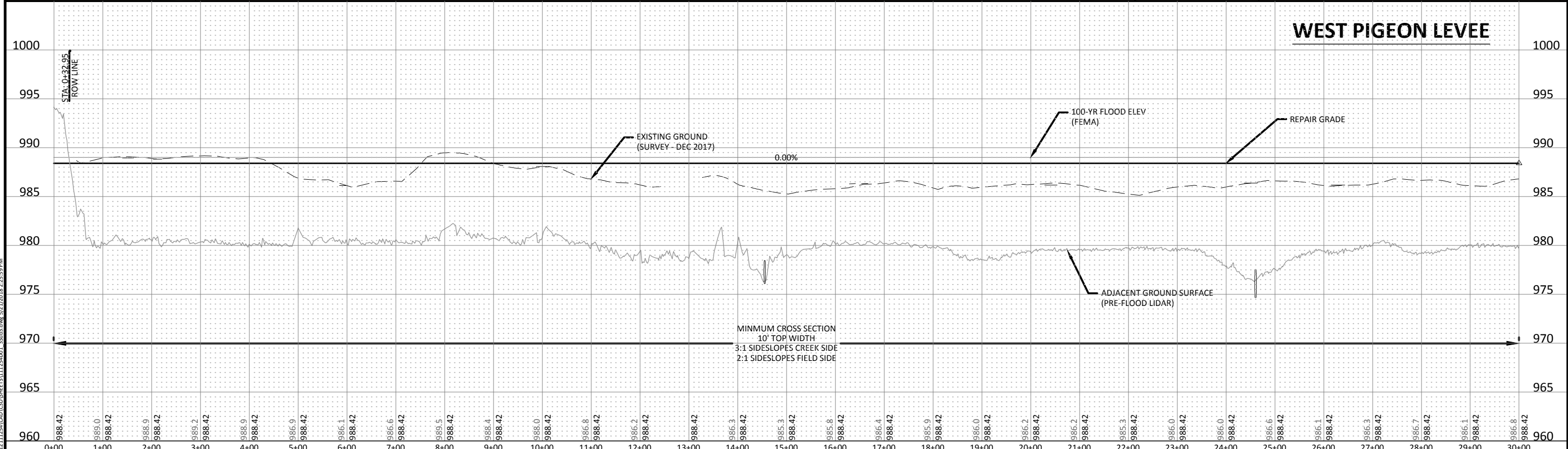
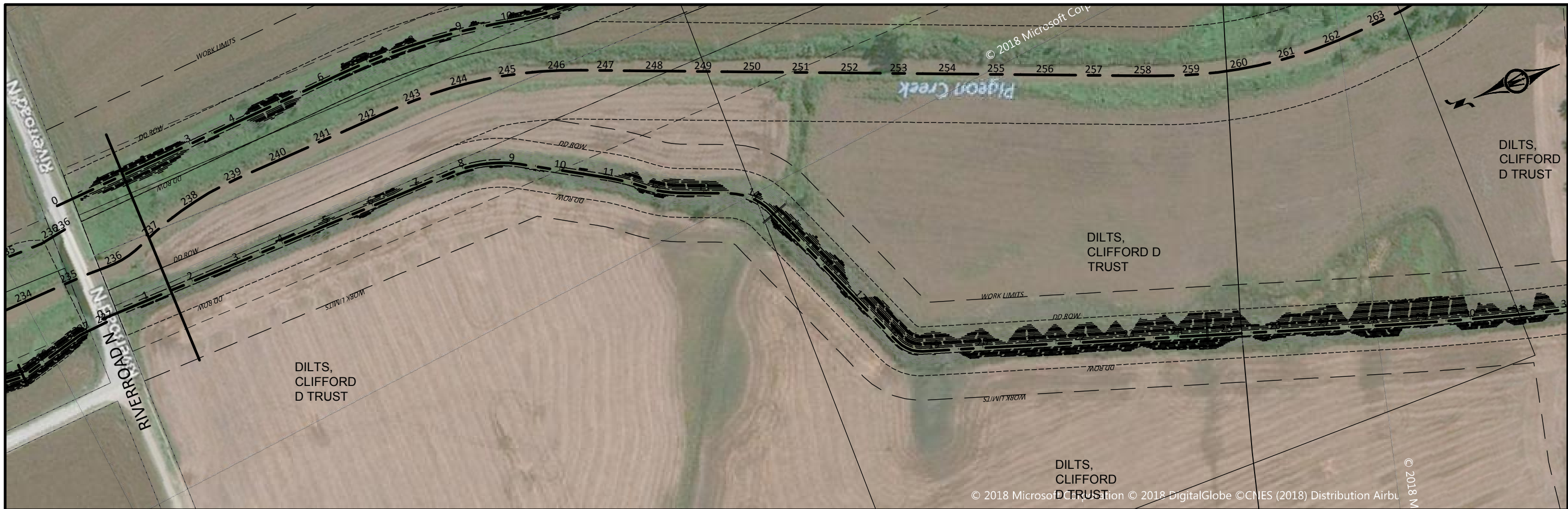


300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
 EAST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS

SHEET  
 XEP.2



© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 POTTAWATTAMIE COUNTY, IOWA  
 3/1/2018 2:55:59 PM



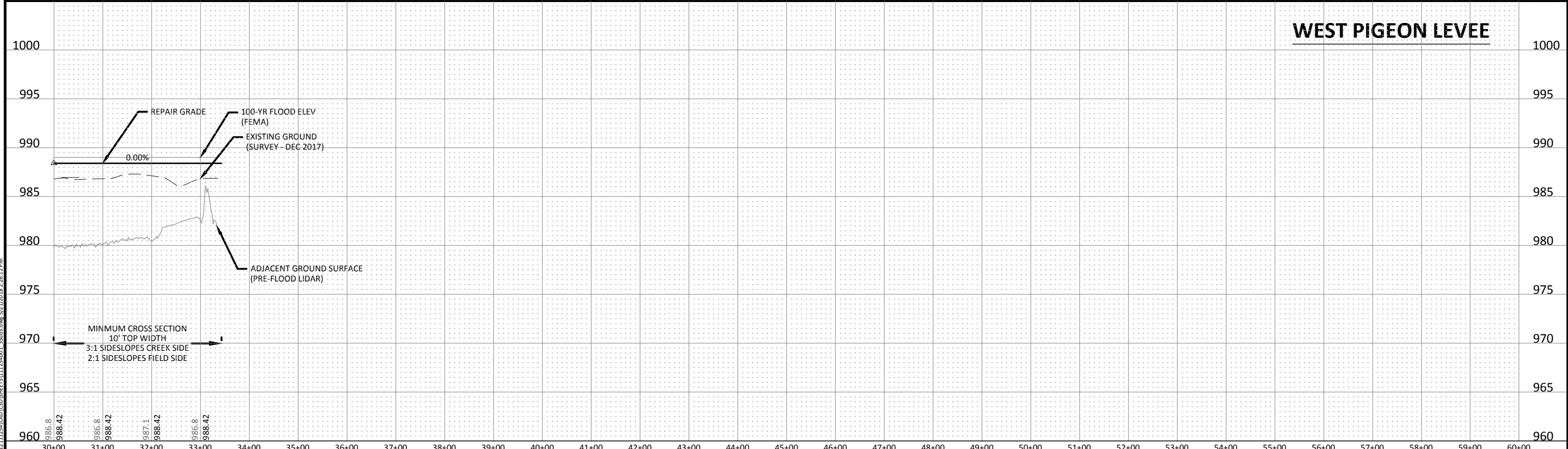
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

**PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA**  
**SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS**  
**WEST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE**

SHEET  
 WP.1





© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180111\20180111\_254001\_35013.dwg 5/21/2018 2:26:12 PM



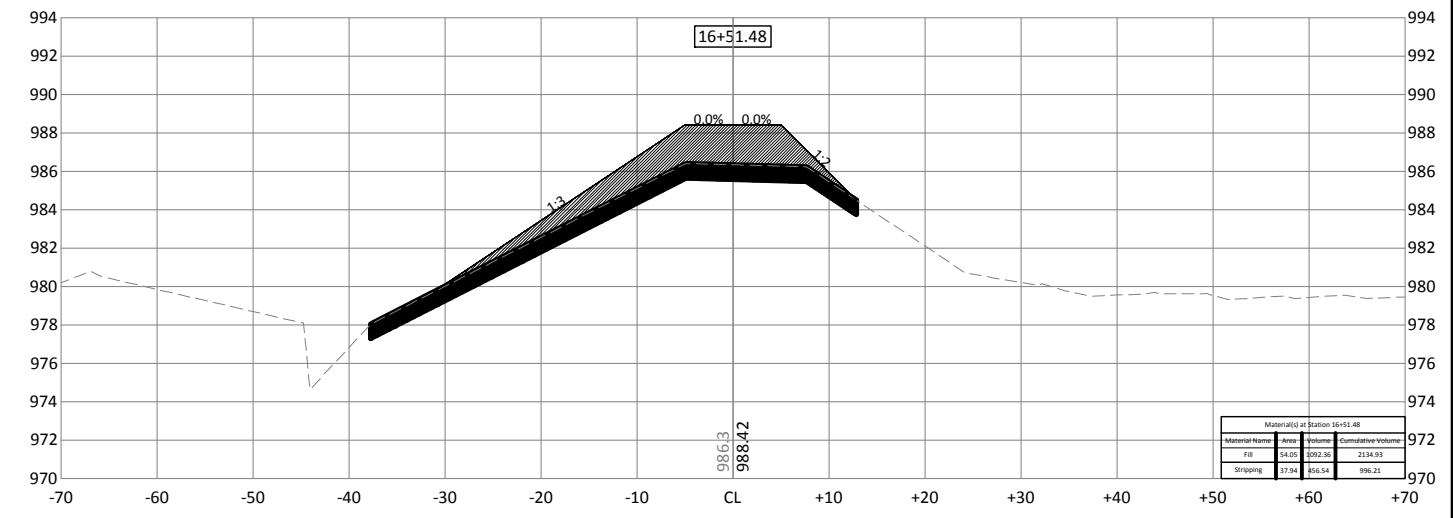
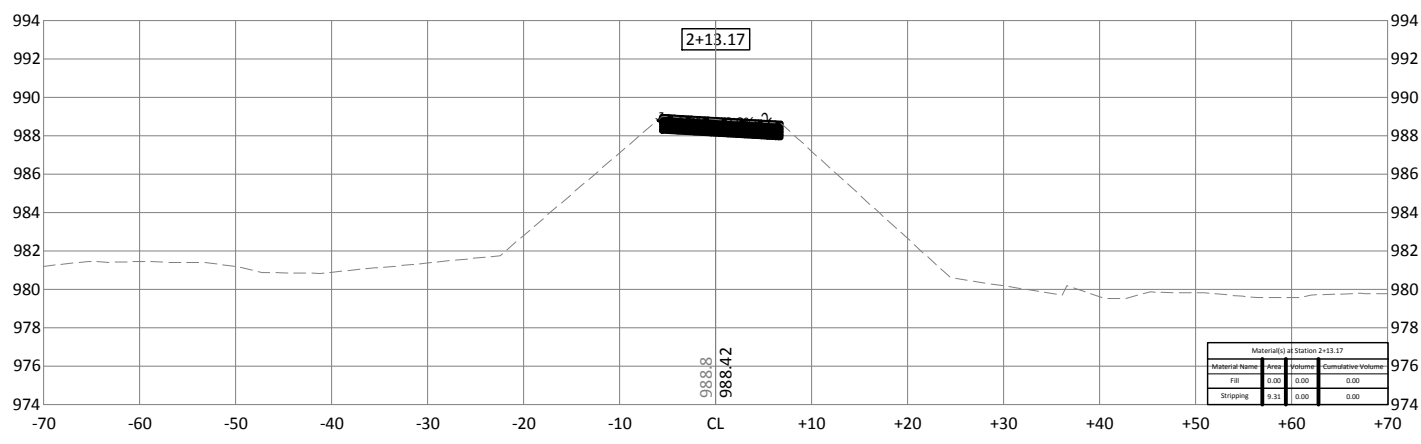
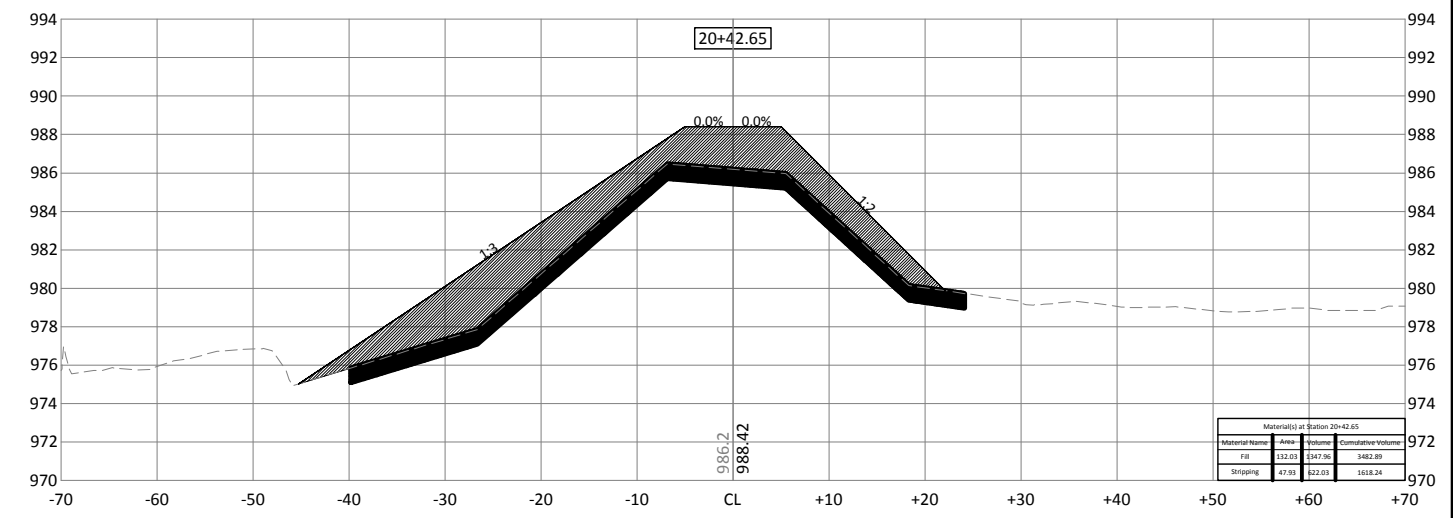
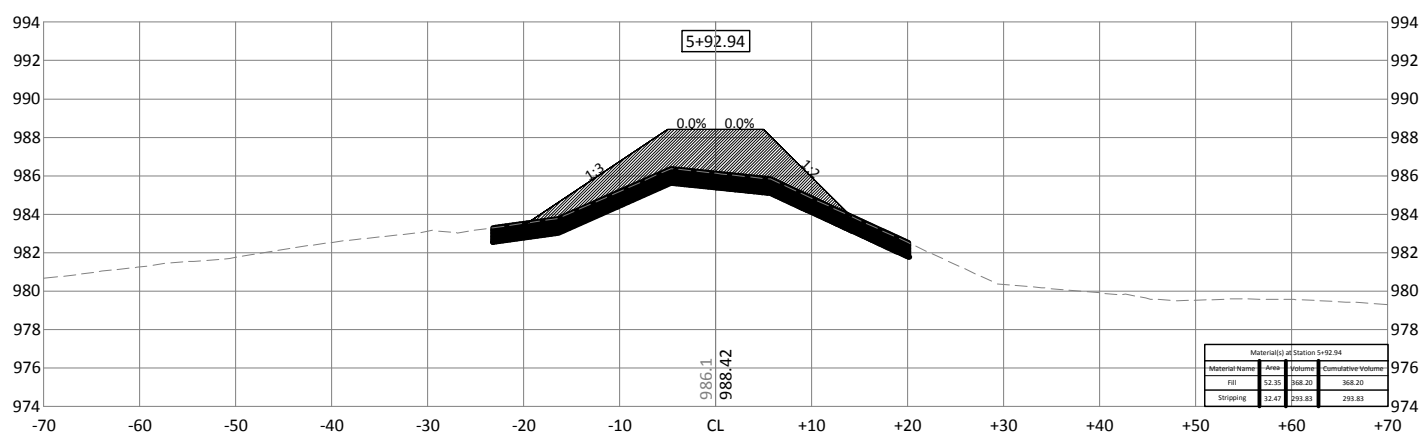
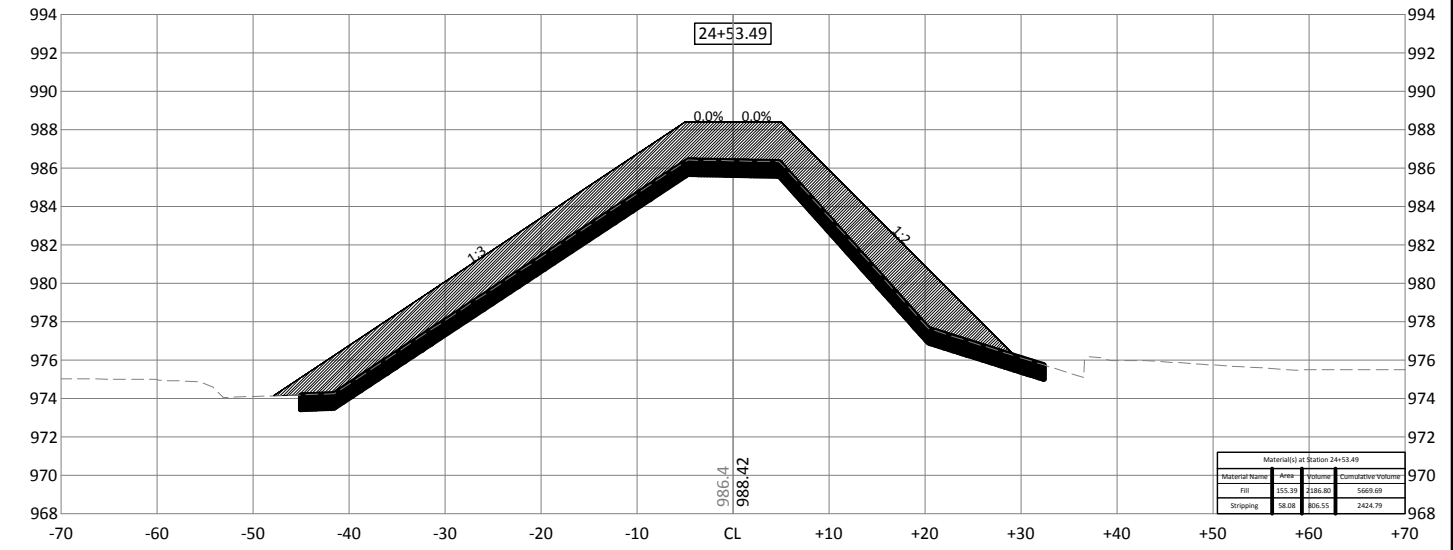
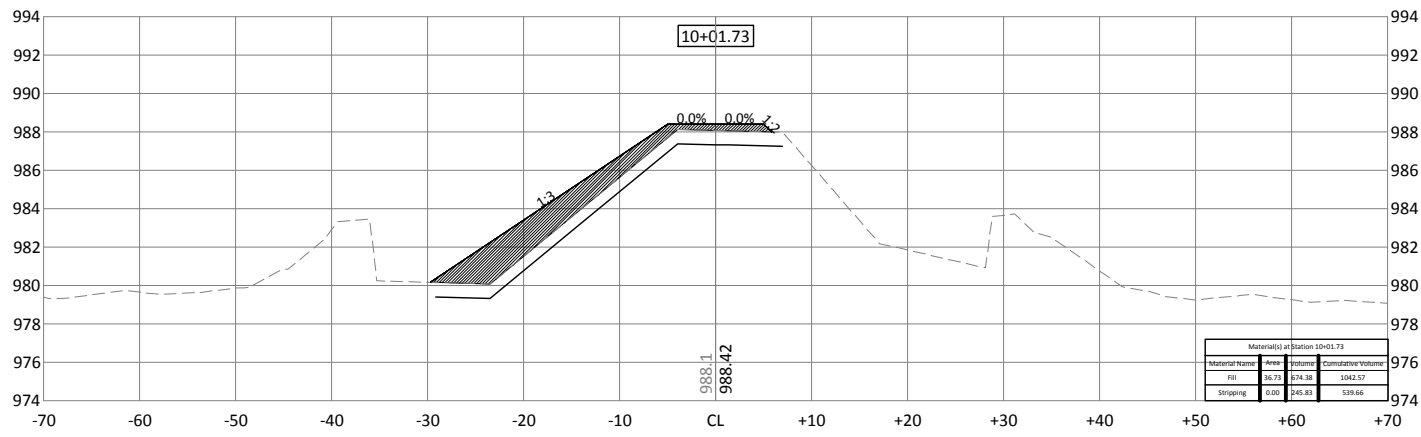
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.			
P12.111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
WEST PIGEON CREEK OUTLET LEVEE PLAN & PROFILE

SHEET  
WP.2

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\1211254\CD\1211254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:27:34 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

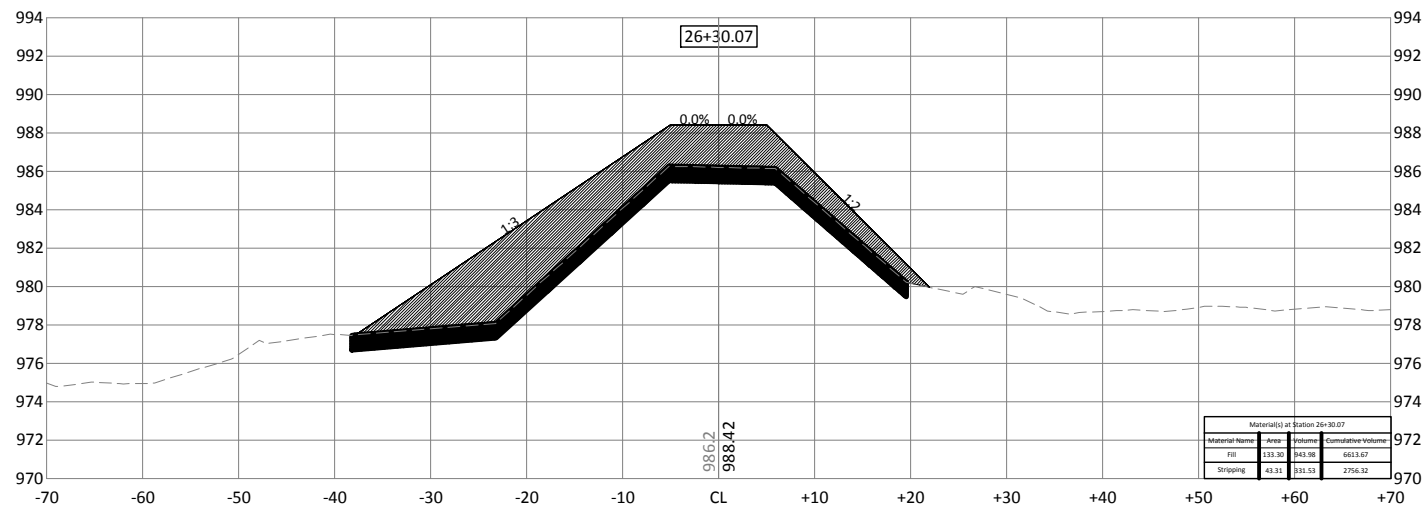
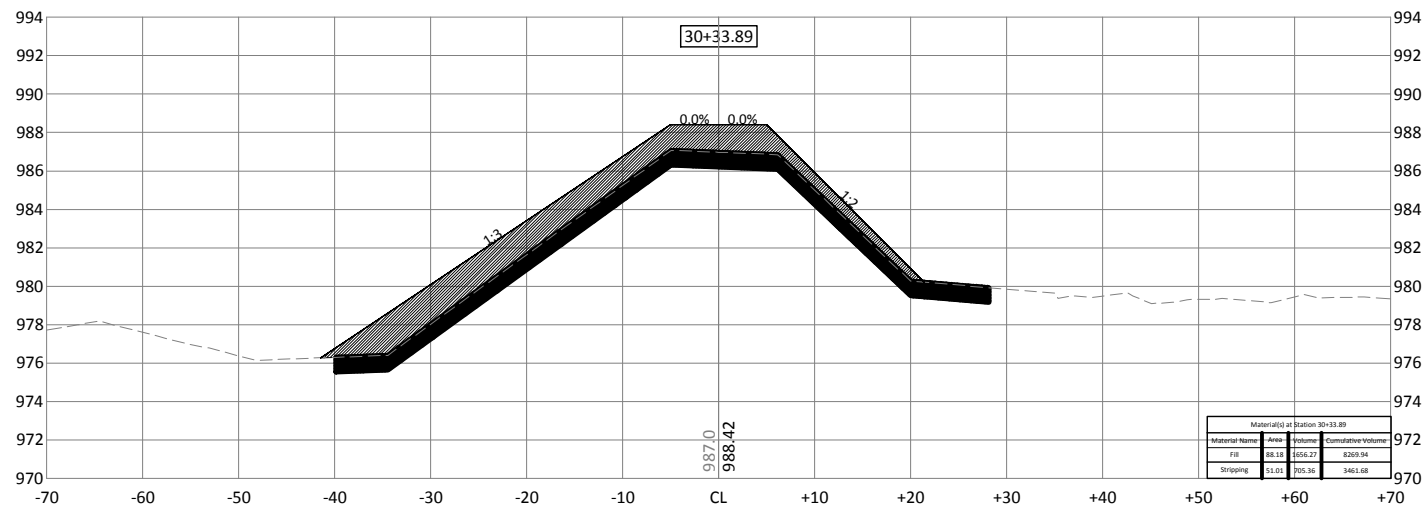
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
WEST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS

SHEET  
XWP.1



© Bolton & Menk, Inc. 2018. All Rights Reserved  
 P:\PROJECTS\121254\CADD\121254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:27:59 PM

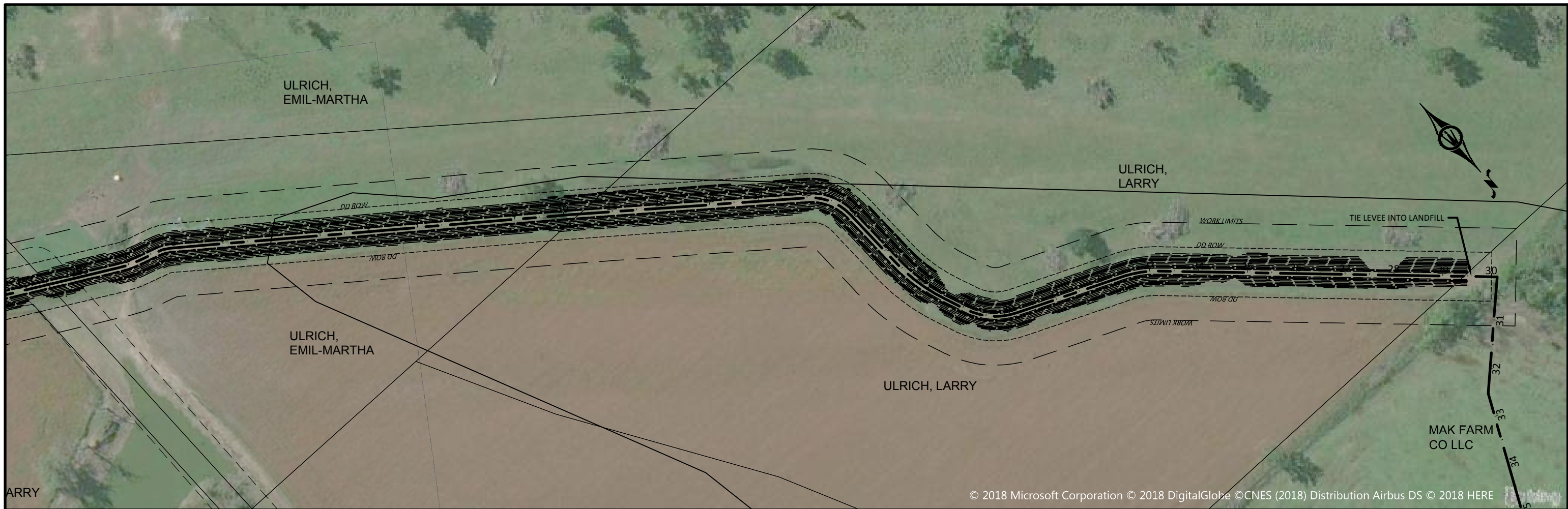


300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

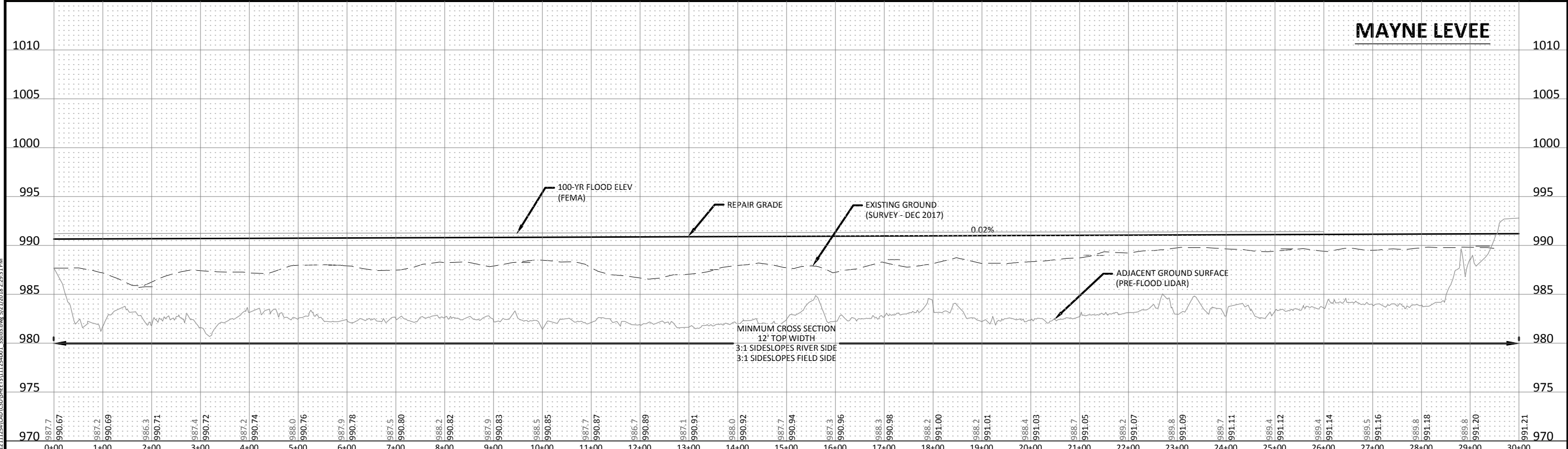
DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
 WEST PIGEON CREEK OUTLET LEVEE CROSS SECTIONS

SHEET  
 XWP.2



© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180111\20180111\_20180111\_20180111.dwg 5/21/2018 2:29:31 PM



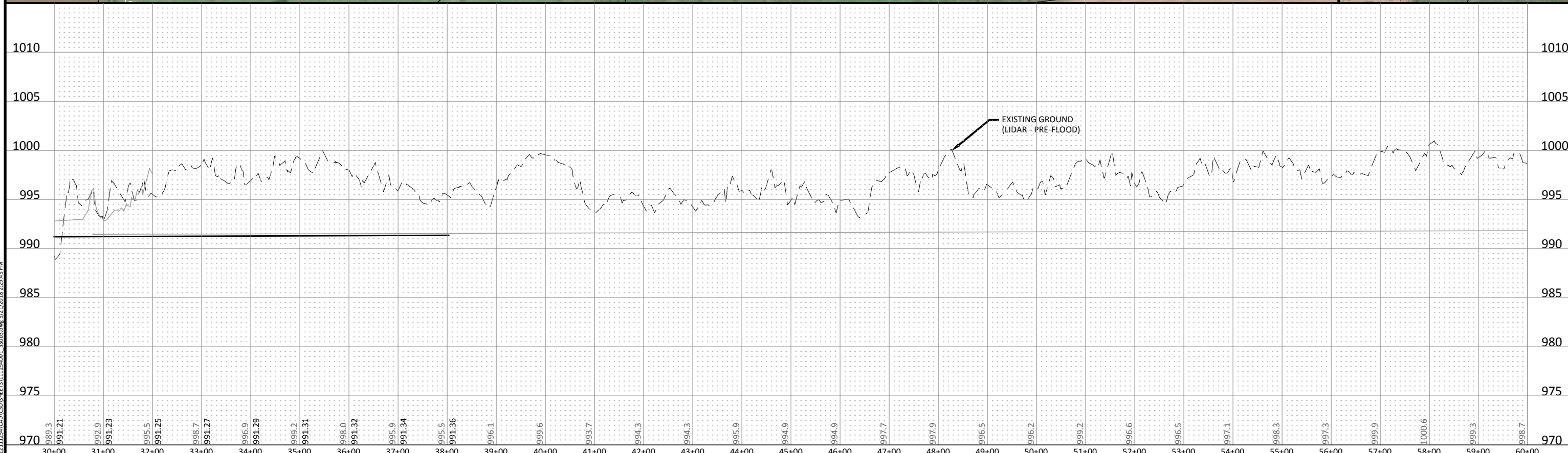
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
MAYNE LEVEE PLAN & PROFILE

SHEET  
M.1





© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180511\20180511\_254001\_3503.dwg 5/21/2018 2:29:45 PM



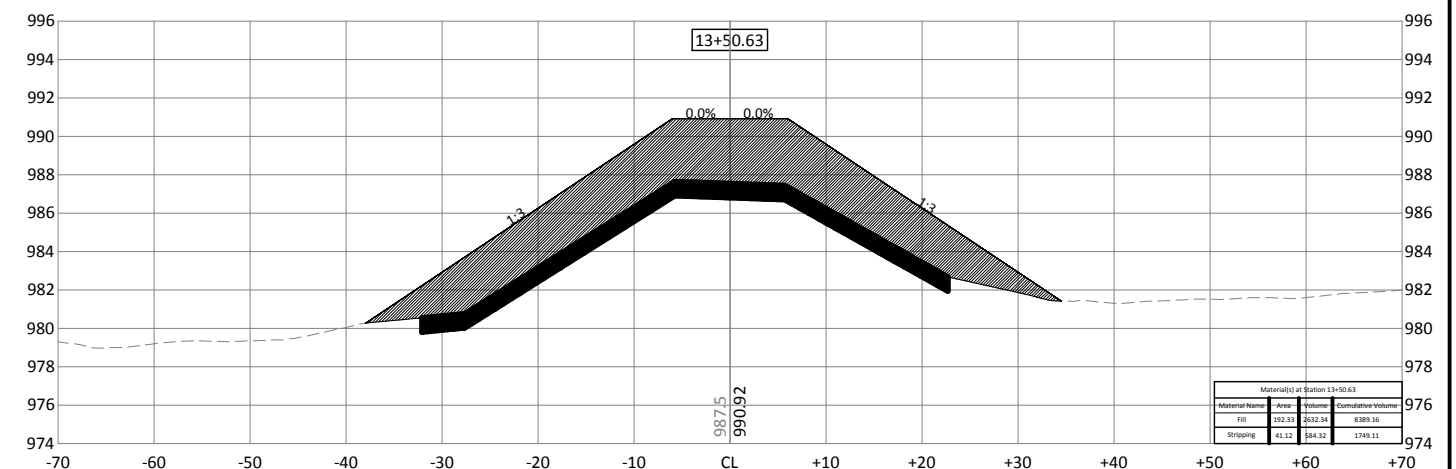
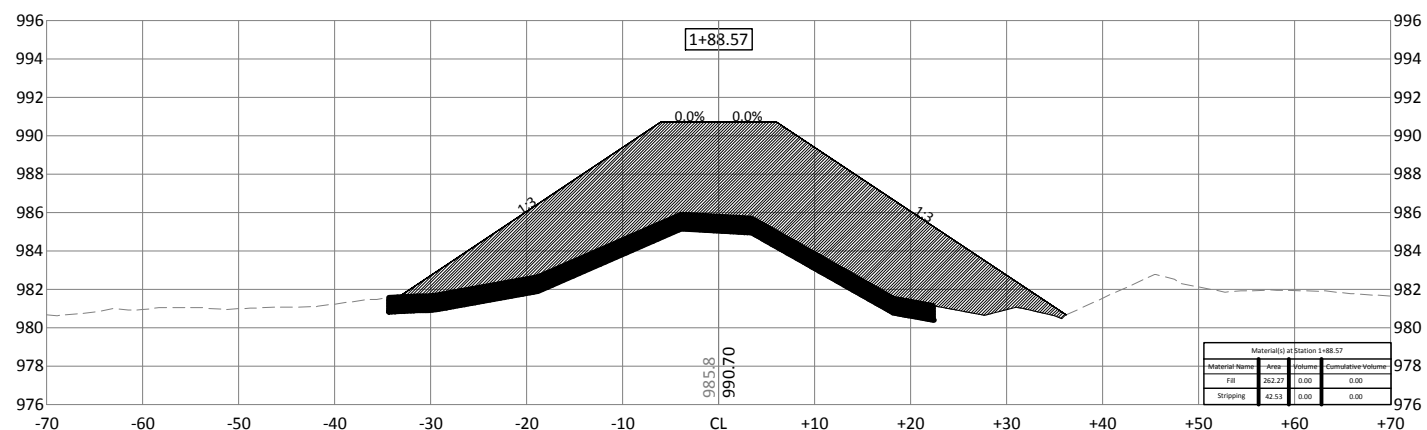
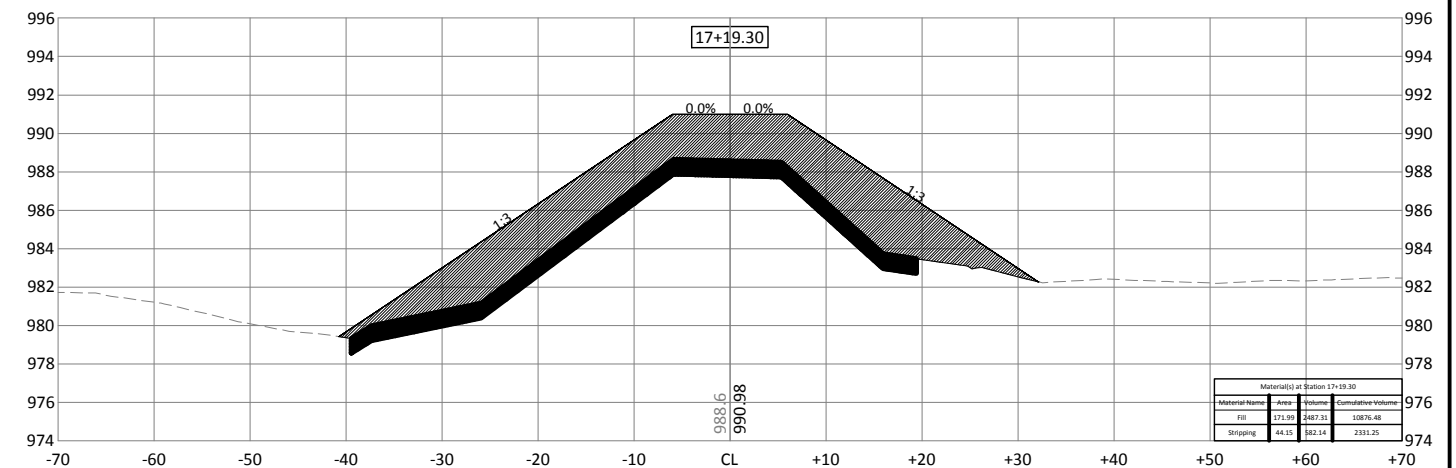
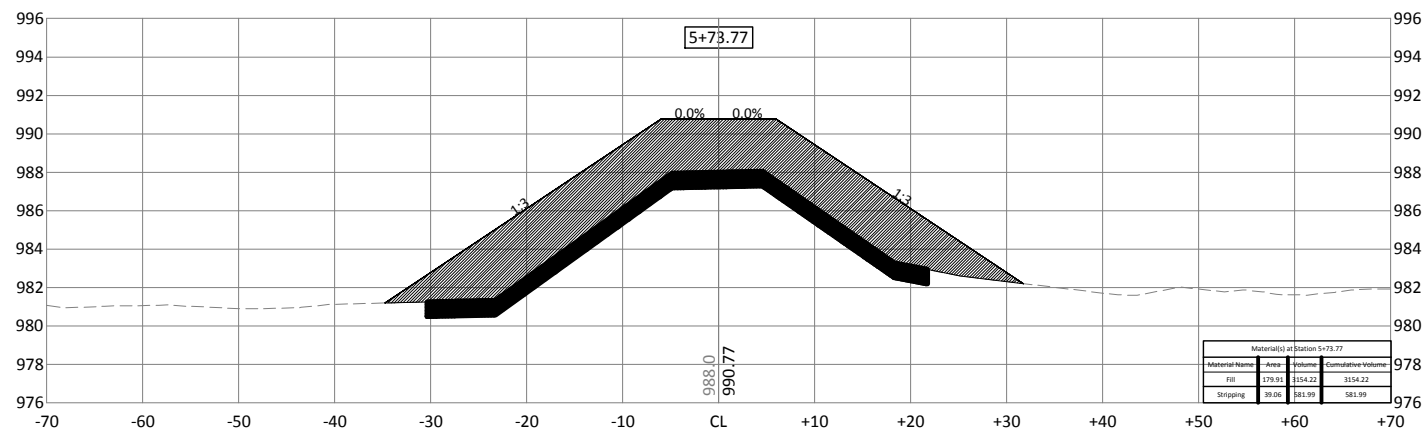
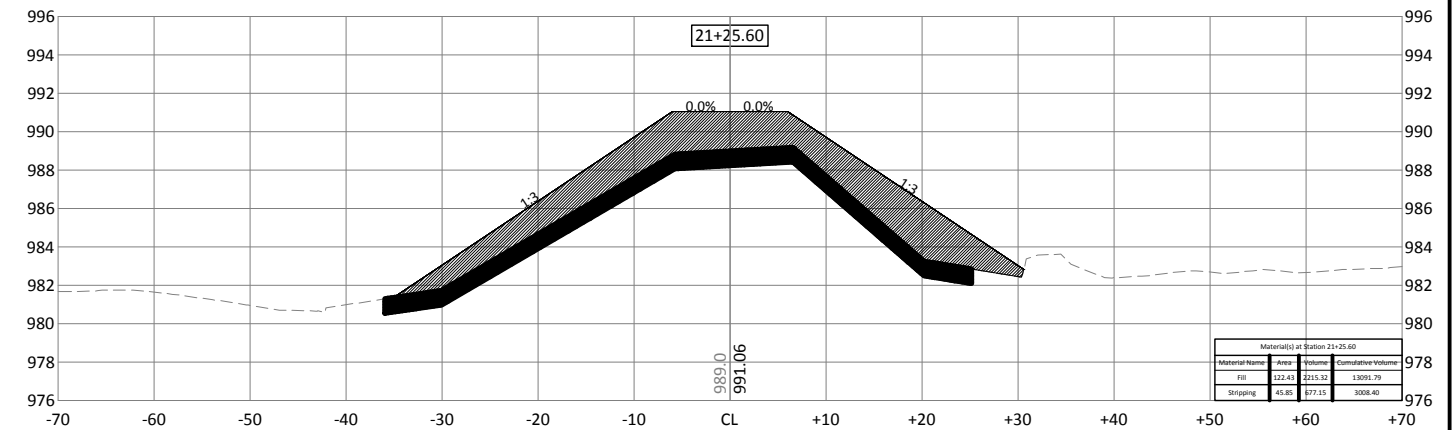
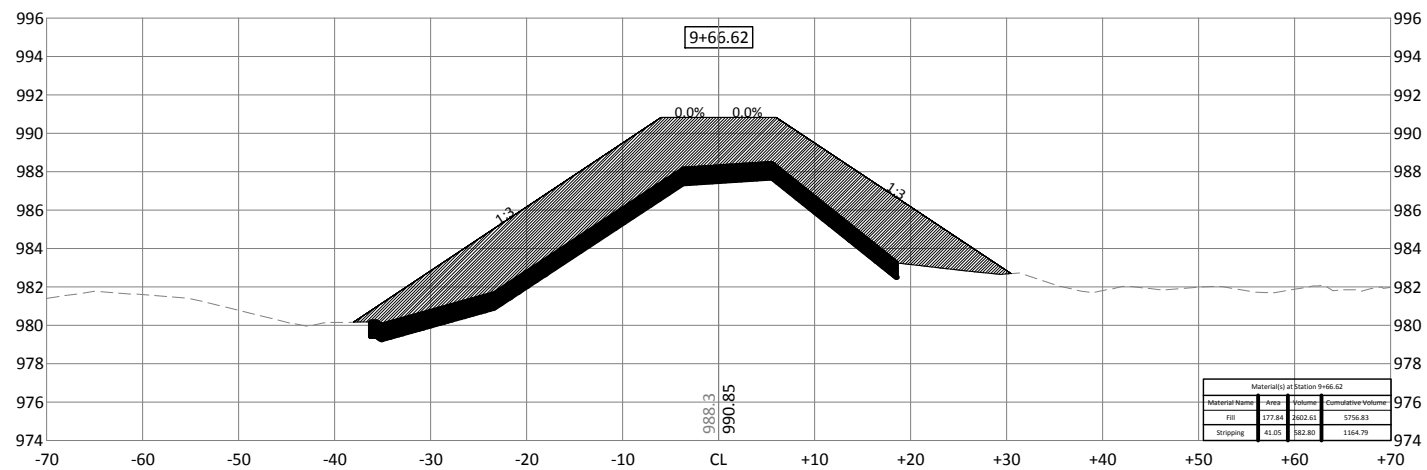
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
MAYNE LEVEE PLAN & PROFILE

SHEET  
M.2

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-103211254\CD\111254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:31:08 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

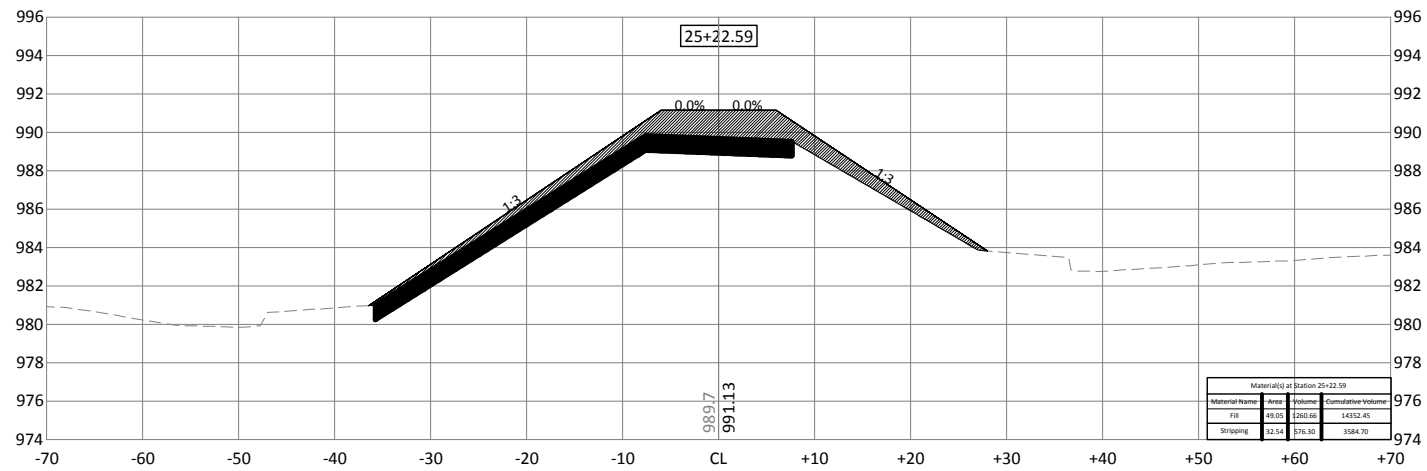
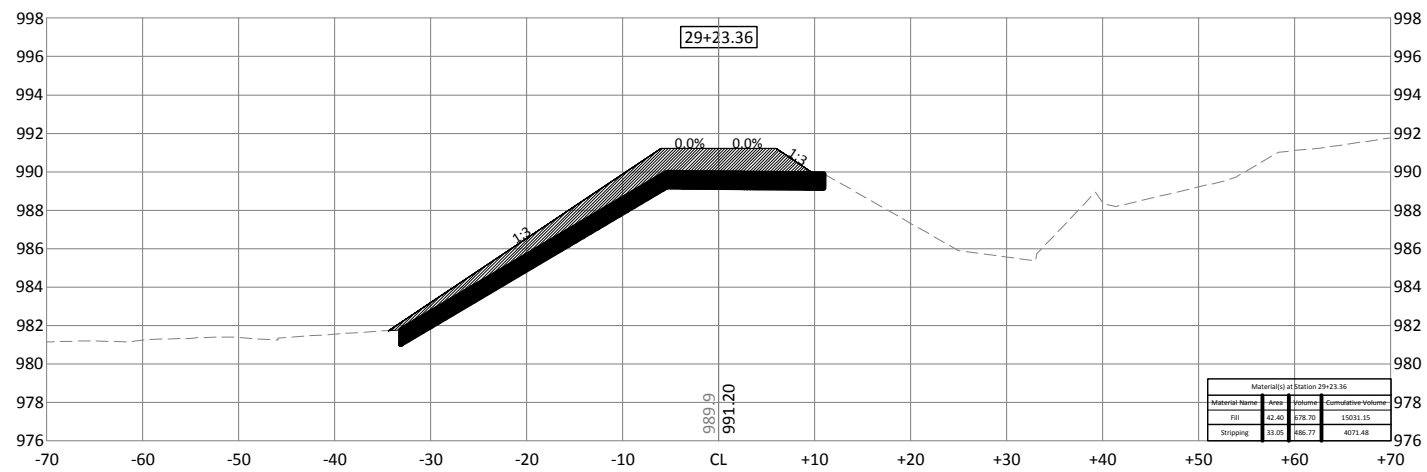
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
MAYNE LEVEE CROSS SECTIONS

SHEET  
XM.1



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\1211254\CD\1211254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:31:33 PM

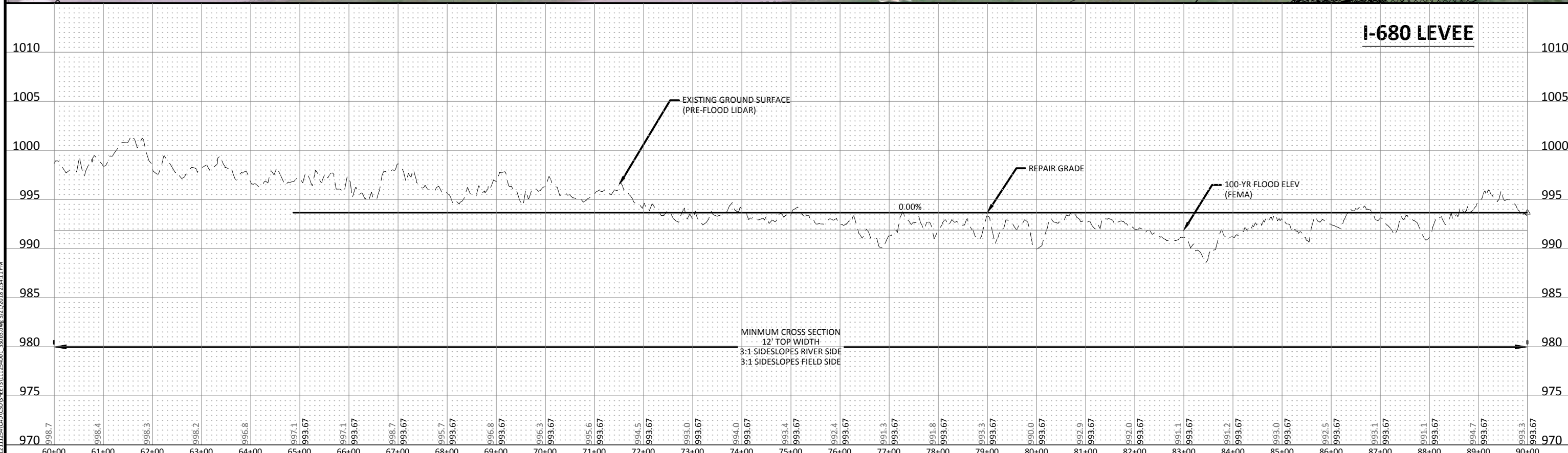


300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
MAYNE LEVEE CROSS SECTIONS

SHEET  
XM.2



© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\PROJECTS\2018\20180511\20180511\_254001\_3503.dwg 5/21/2018 2:34:11 PM



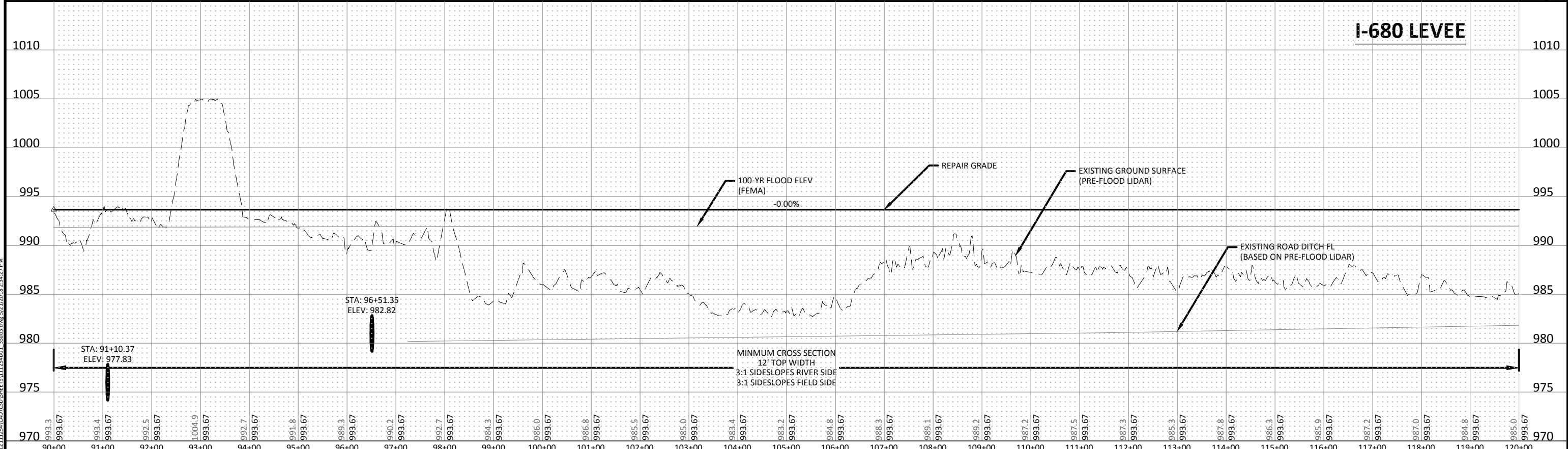
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: Jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 IDOT LEVEE REALIGNMENT PLAN & PROFILE

SHEET  
 R.1





© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\PROJECTS\2018\IDOT\LEVEE\11254\001\_35\03.dwg 5/21/2018 2:42:27 PM



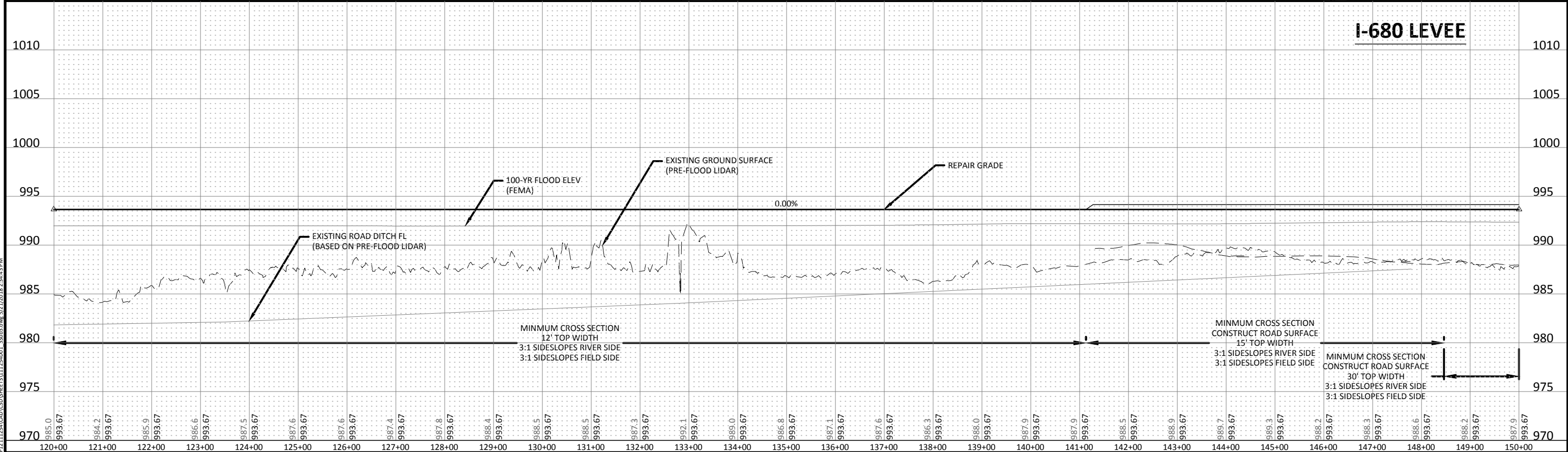
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: Jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 IDOT LEVEE REALIGNMENT PLAN & PROFILE

SHEET  
 R.2





© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 POTTAWATTAMIE COUNTY IOWA



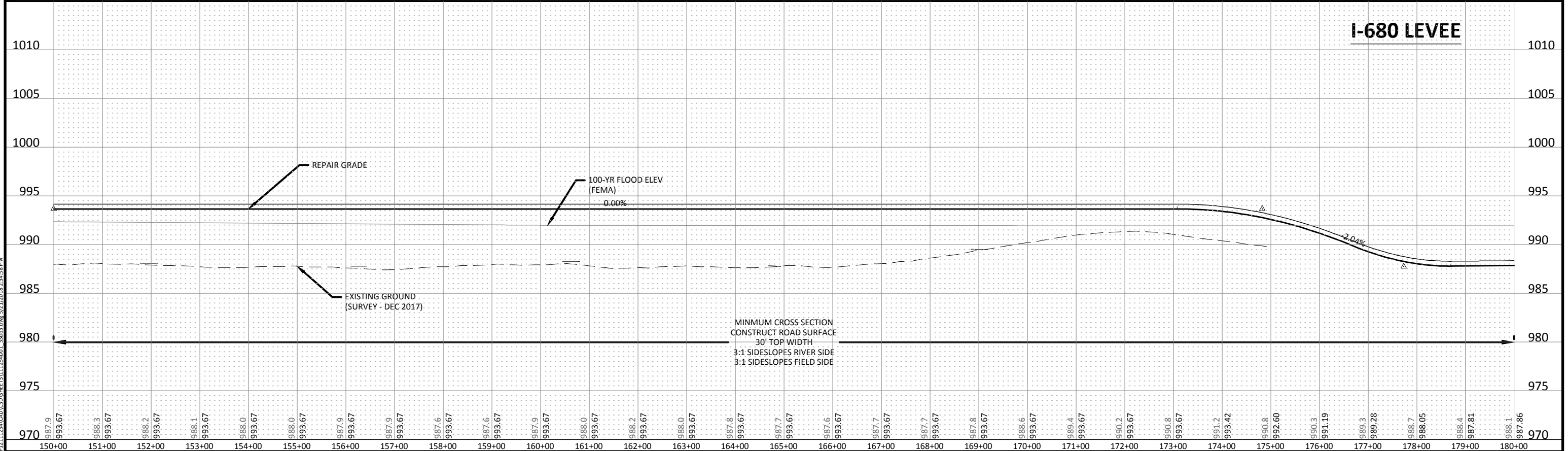
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 IDOT LEVEE REALIGNMENT PLAN & PROFILE

SHEET  
 R.3





© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\170112\170112.dwg (S:\170112\170112.dwg) 2/21/2018 2:45:58 PM

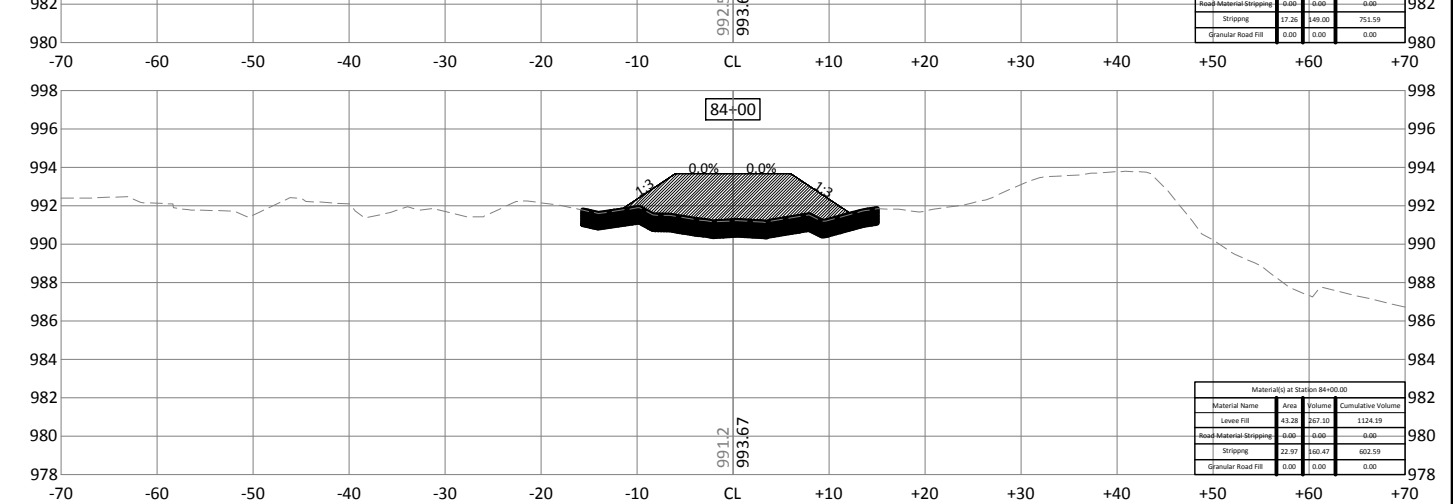
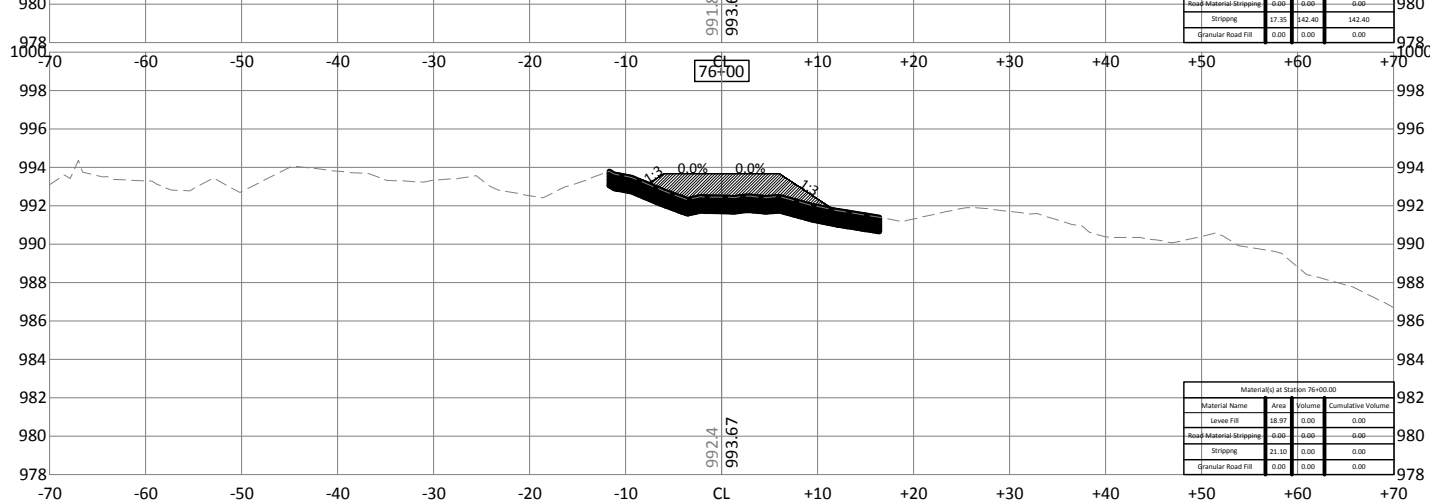
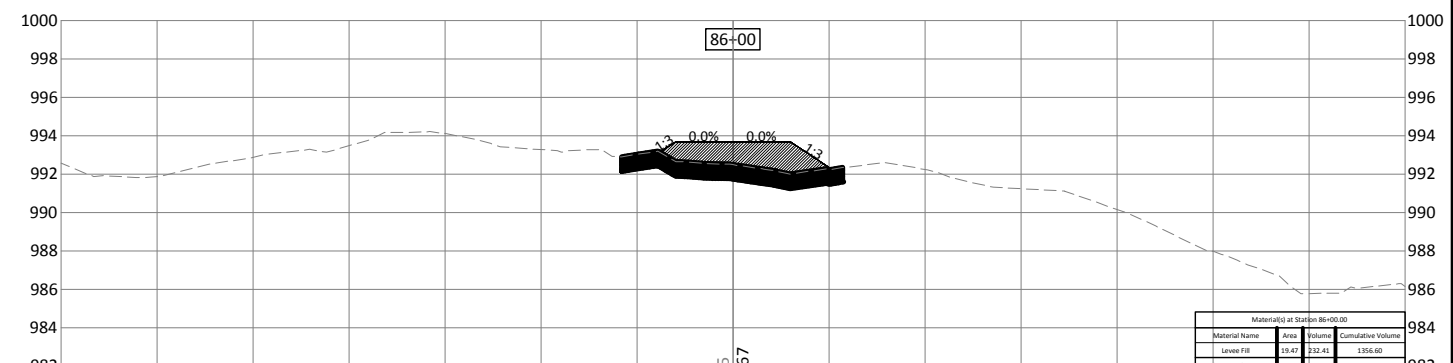
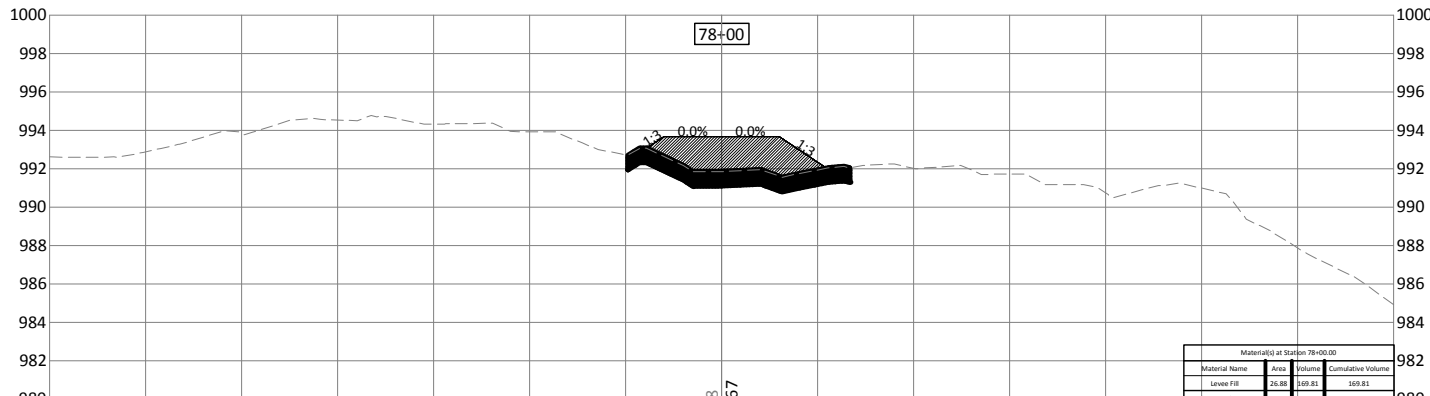
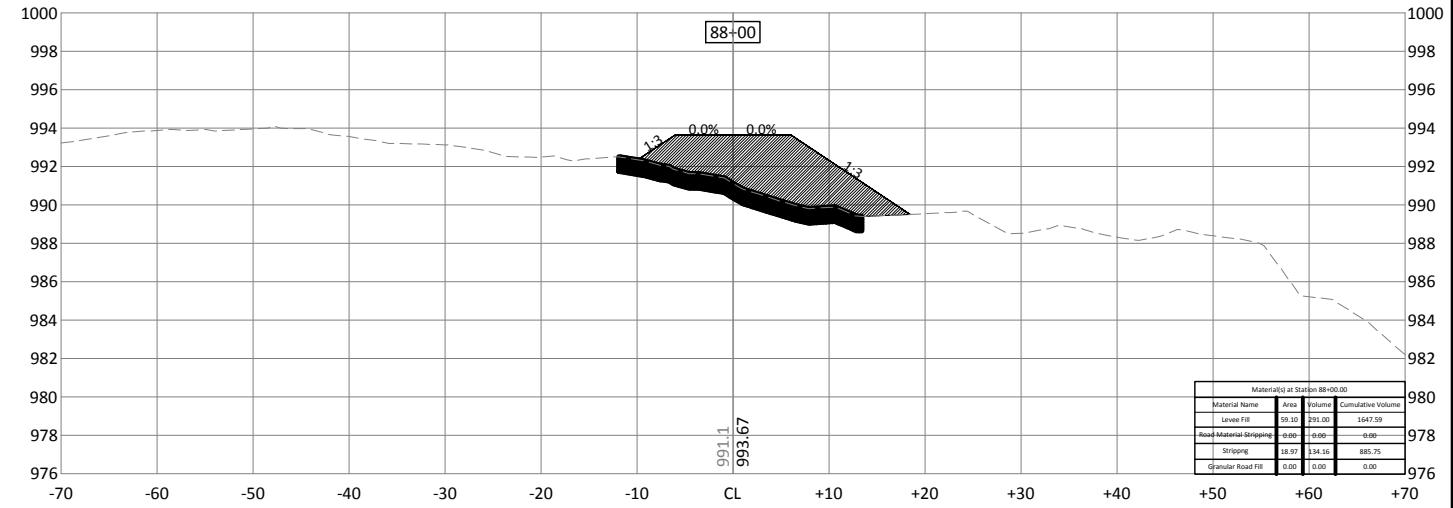
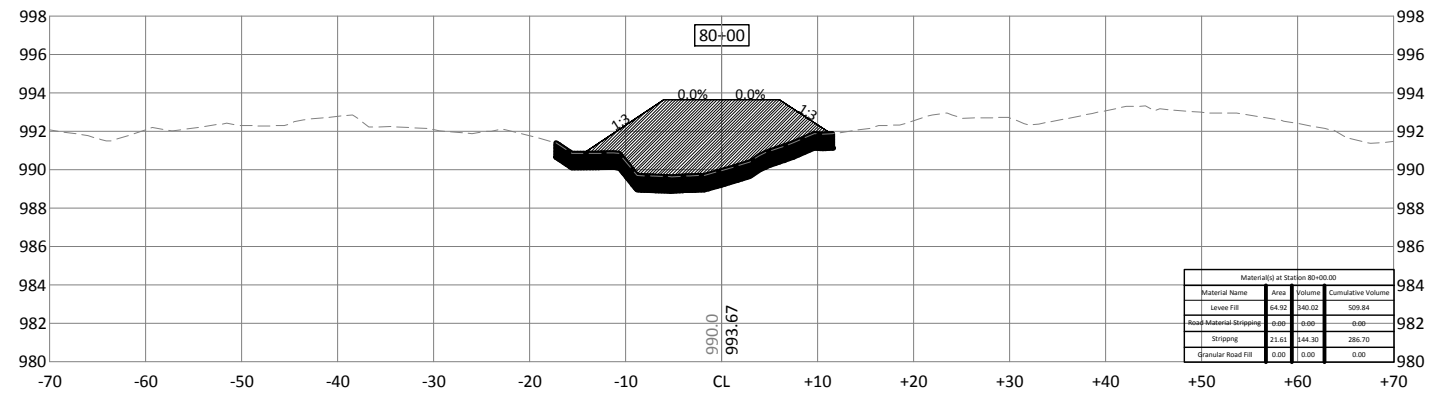
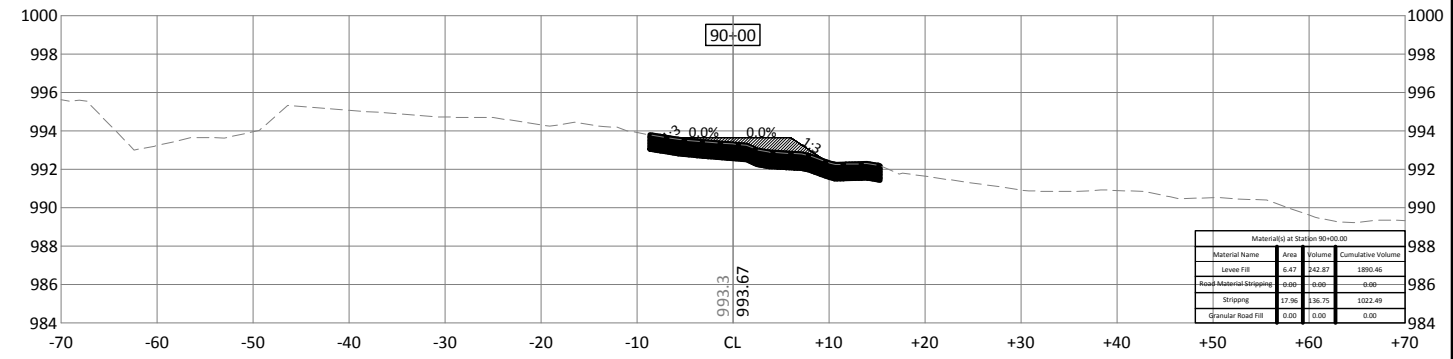
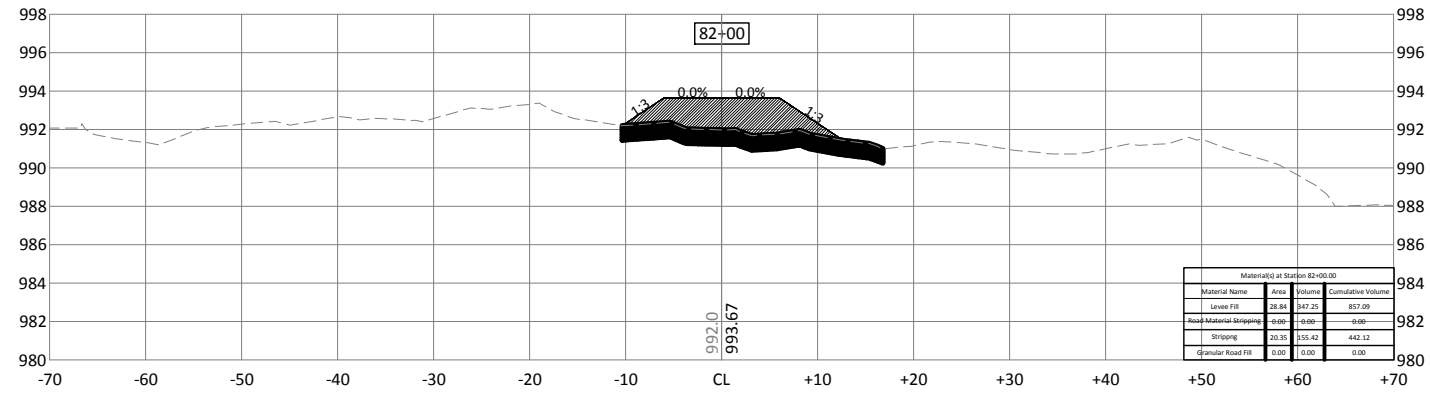


300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: Jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
 IDOT LEVEE REALIGNMENT PLAN & PROFILE

SHEET  
 R.4



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-112-11254\CORR\_2\_Quantity.dwg 5/21/2018 2:36:21 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

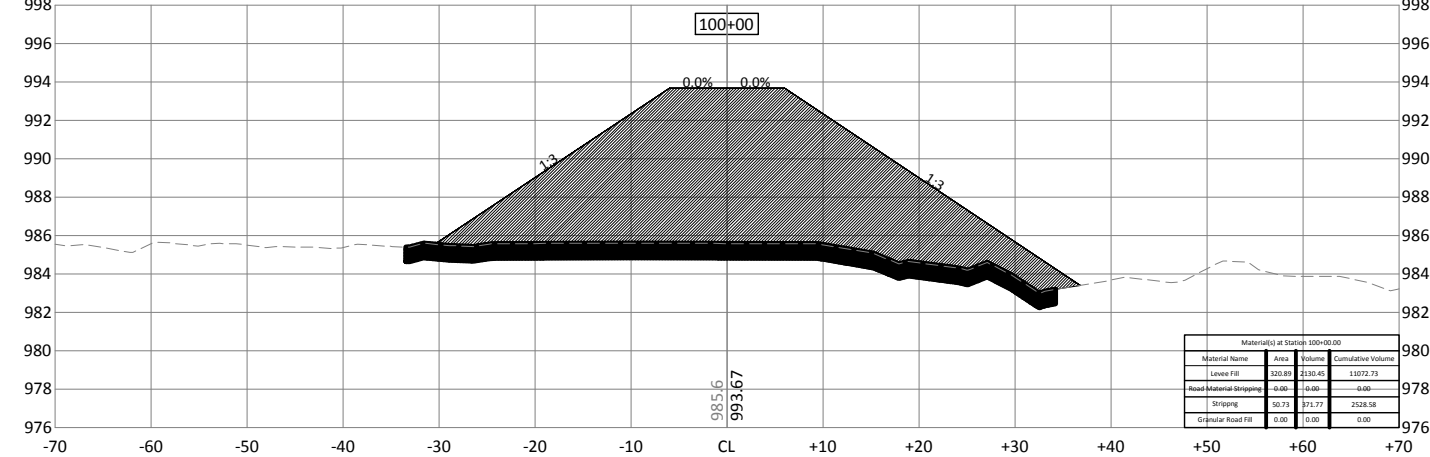
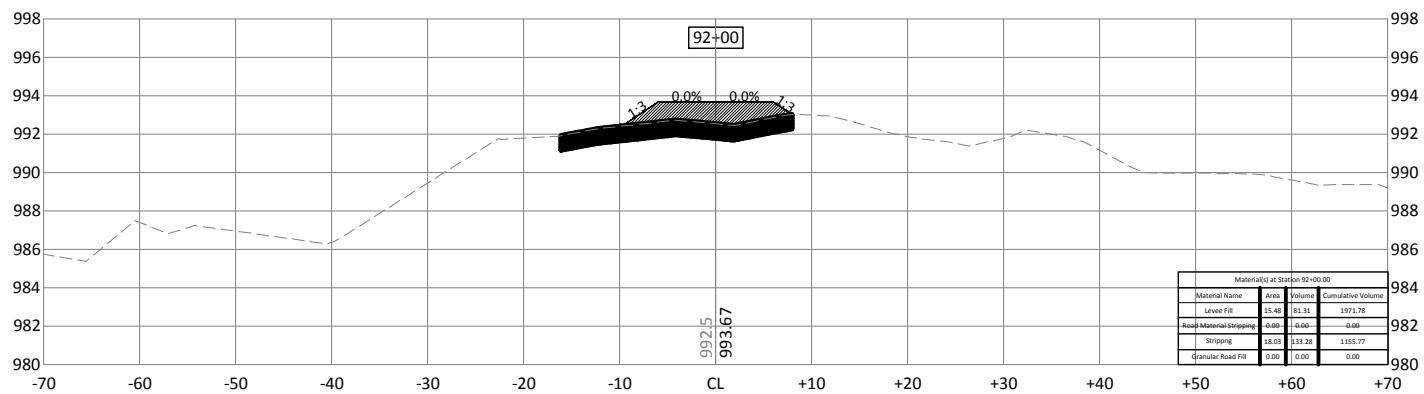
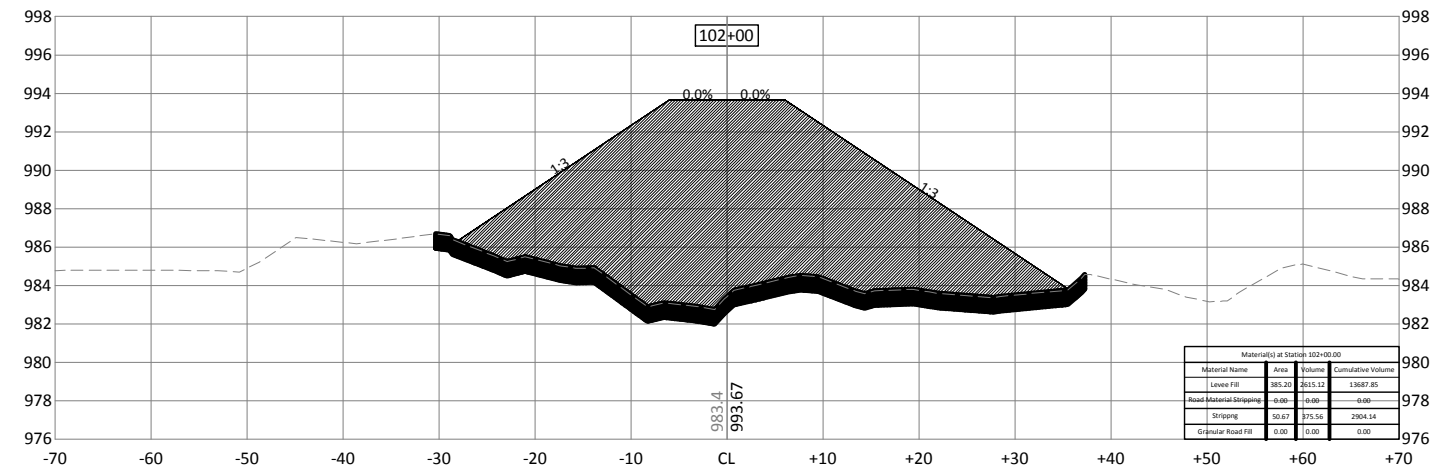
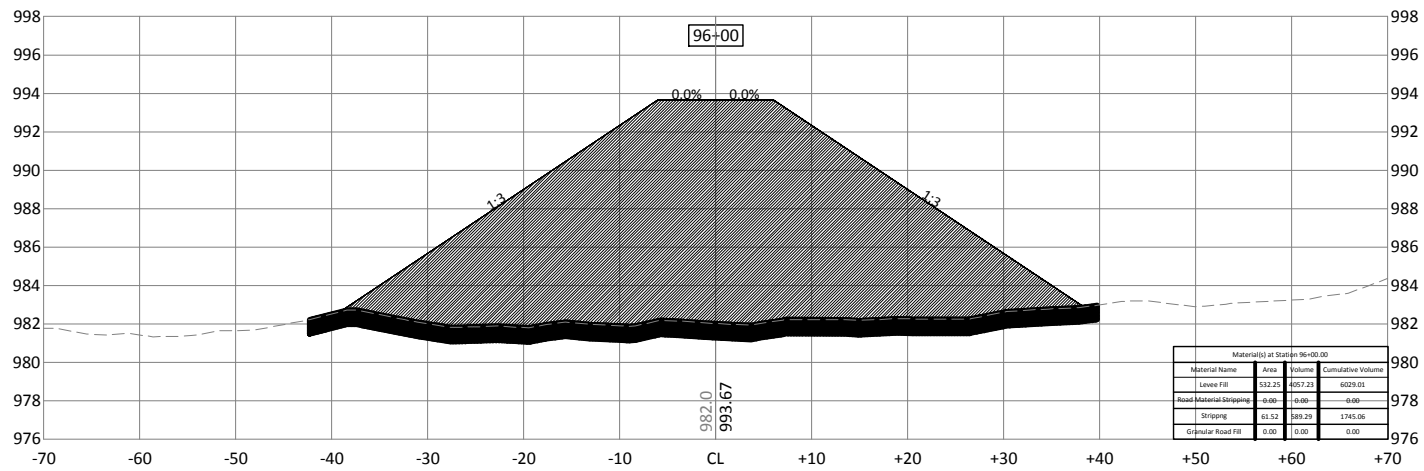
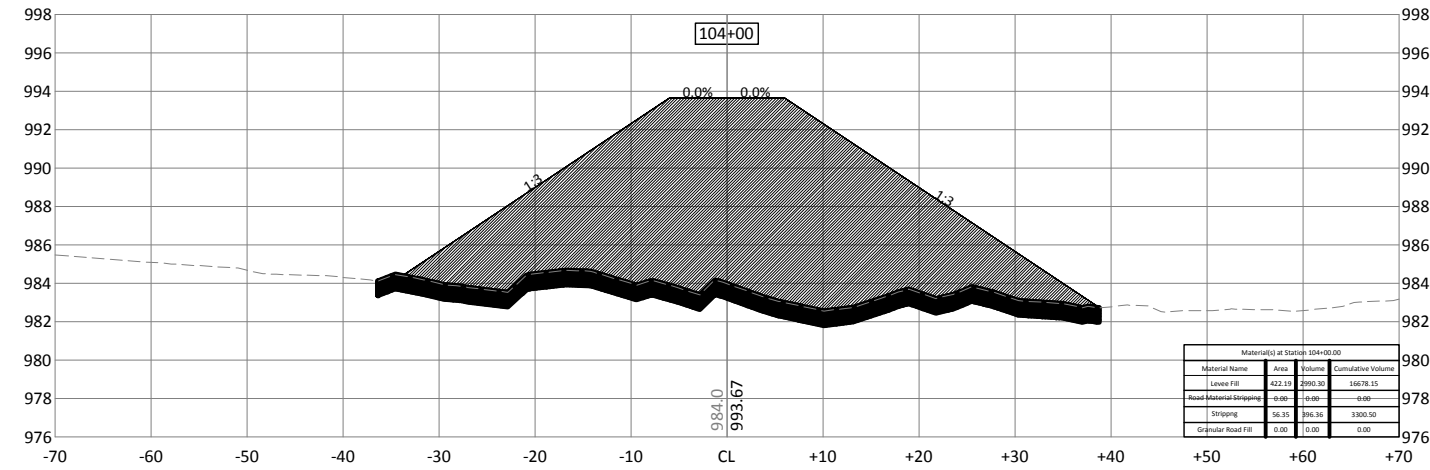
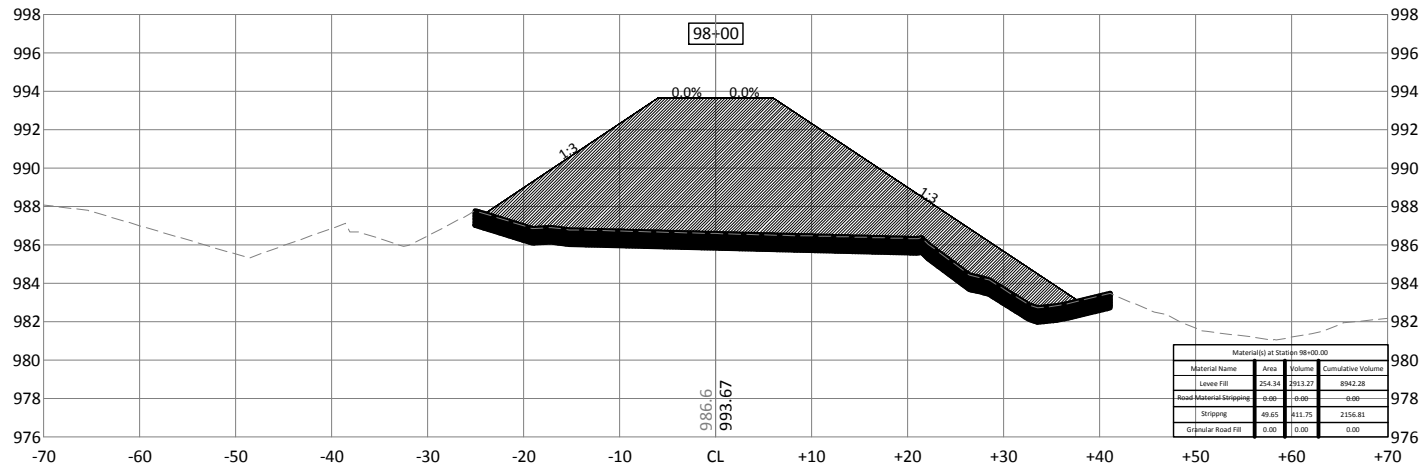
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.1



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CD\1211254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:36:47 PM



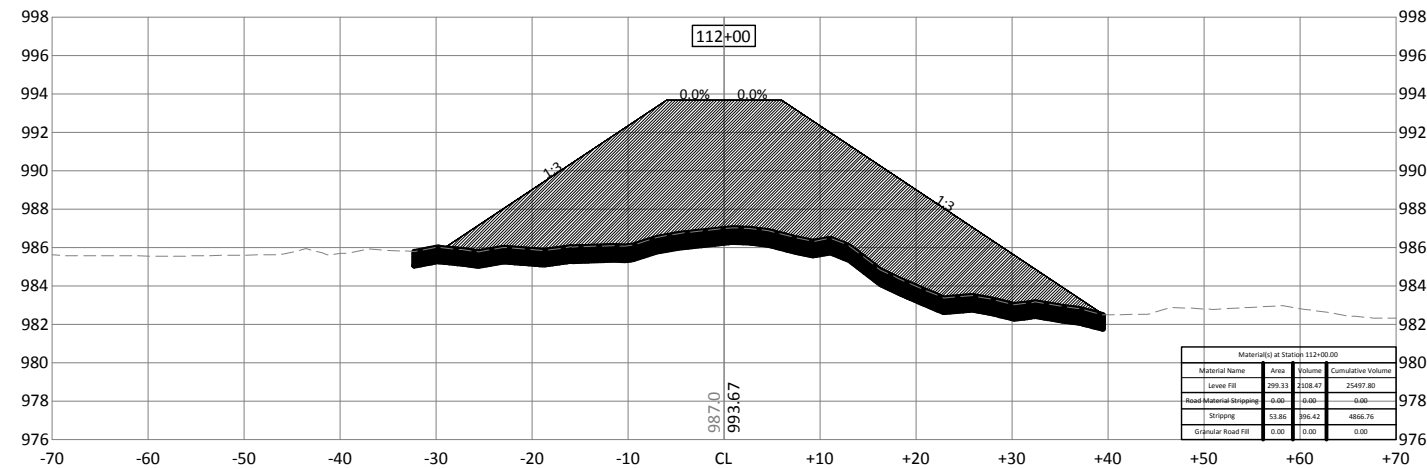
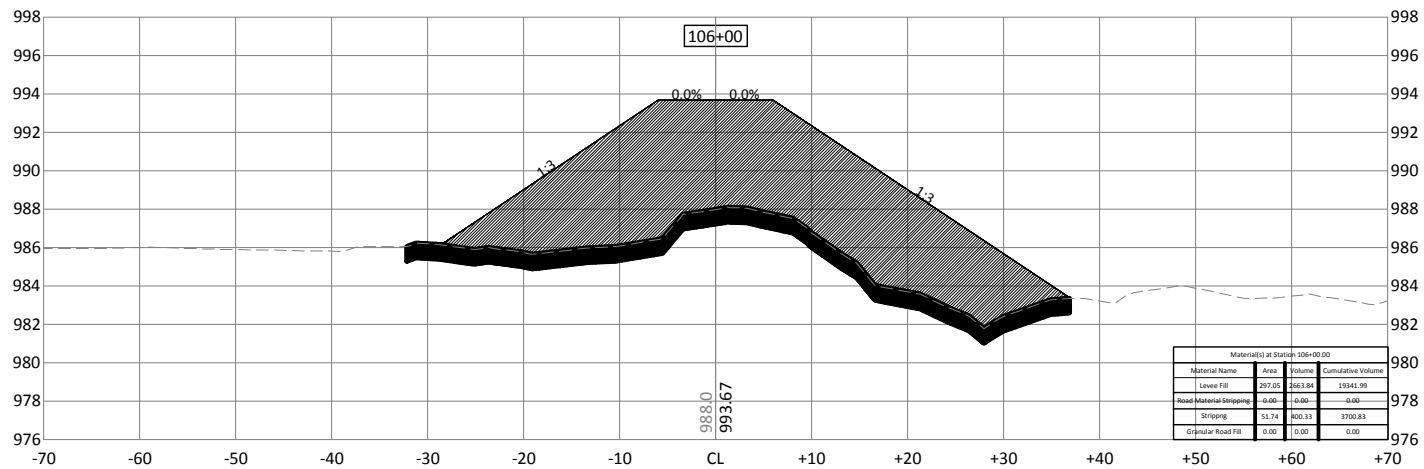
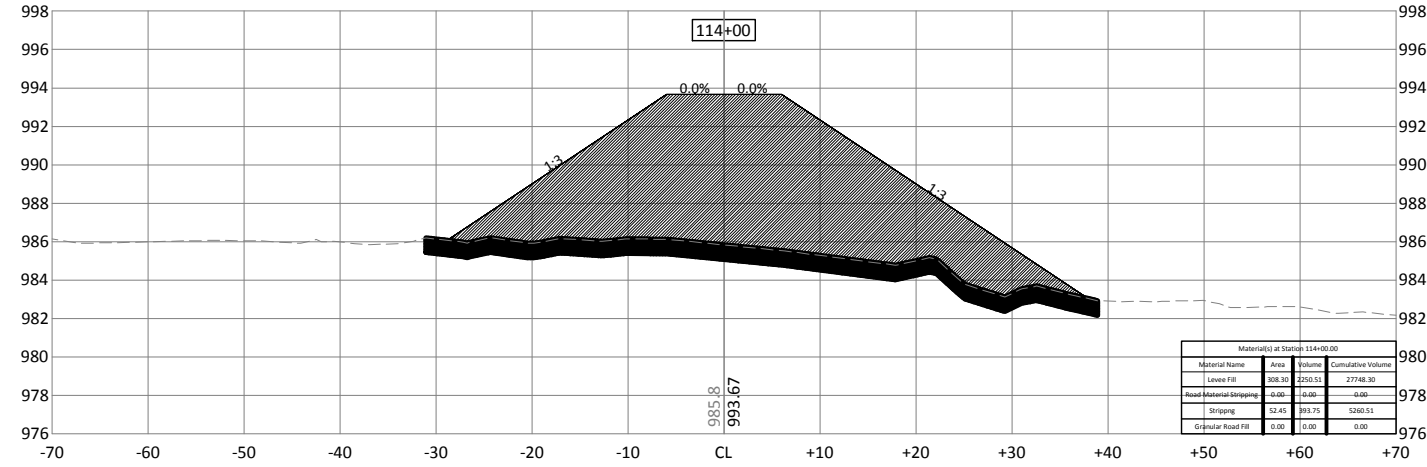
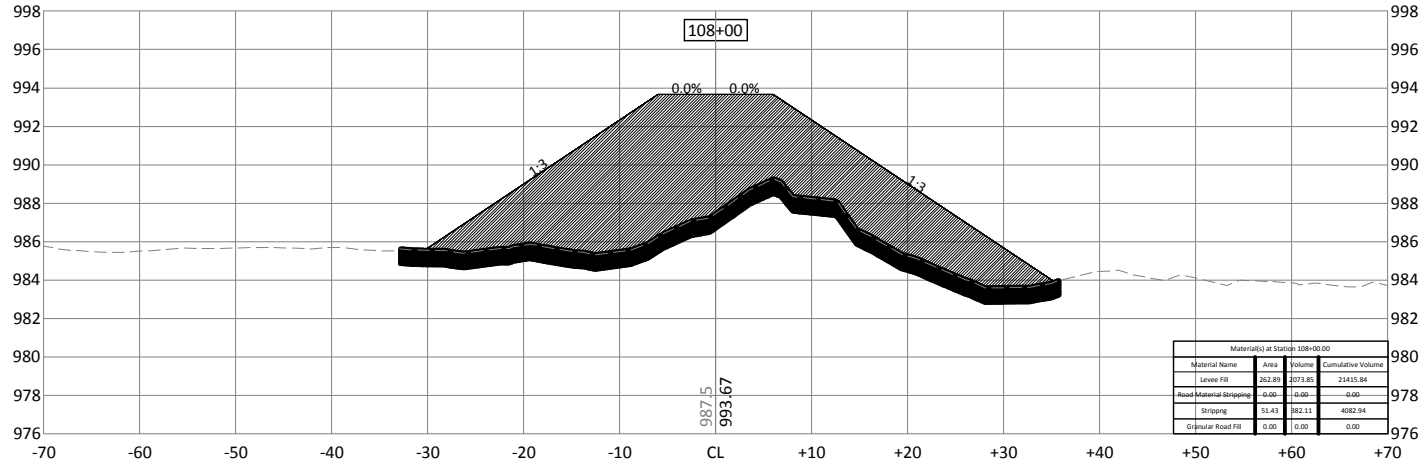
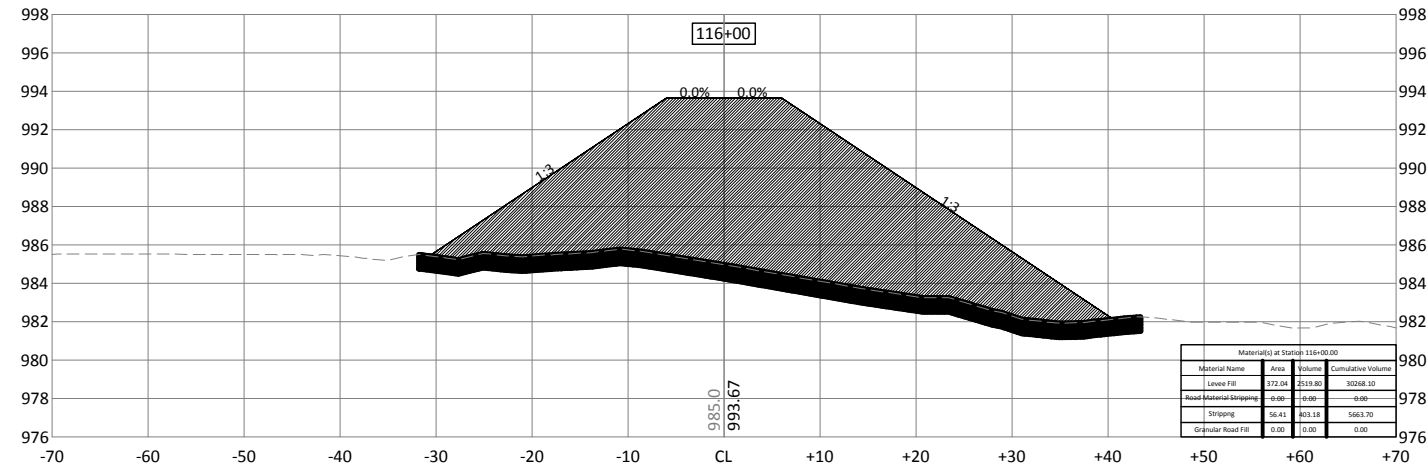
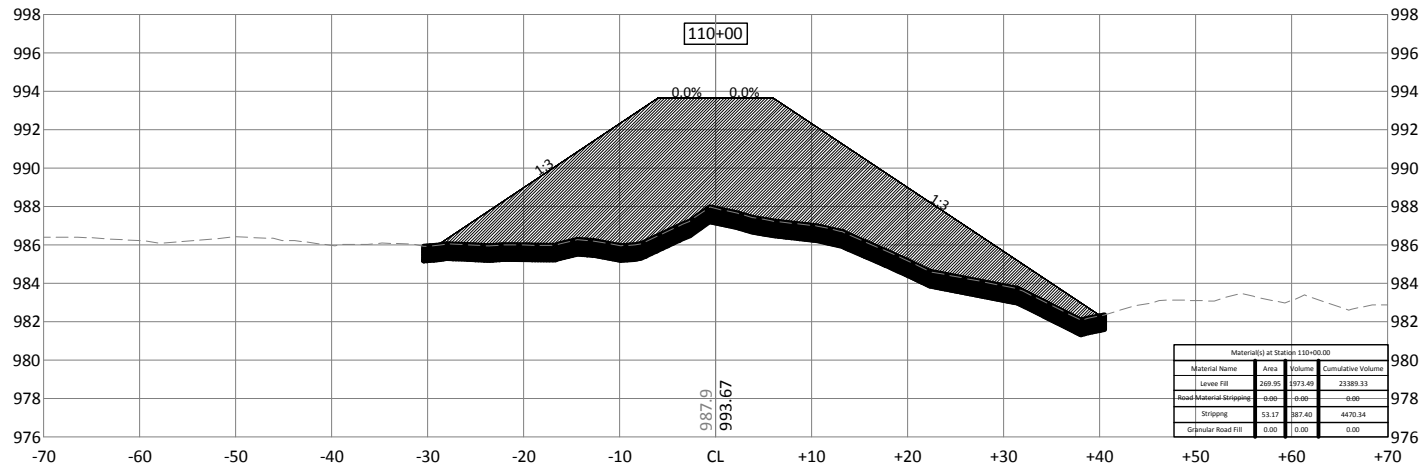
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.2

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-11254\11254\_CDR\_2\_Quantity.dwg 5/21/2018 2:27:12 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

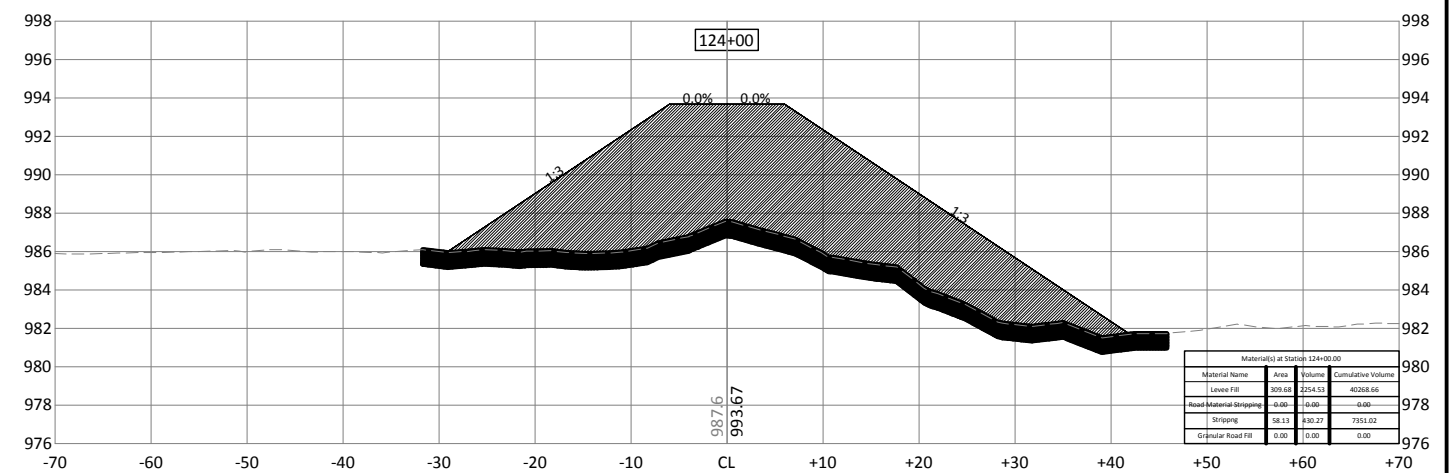
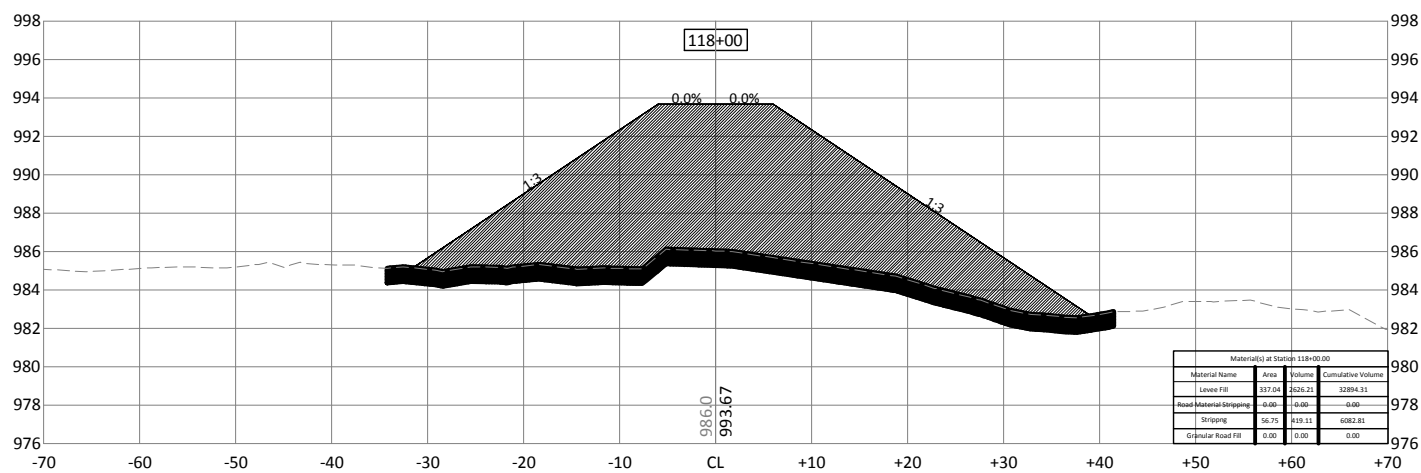
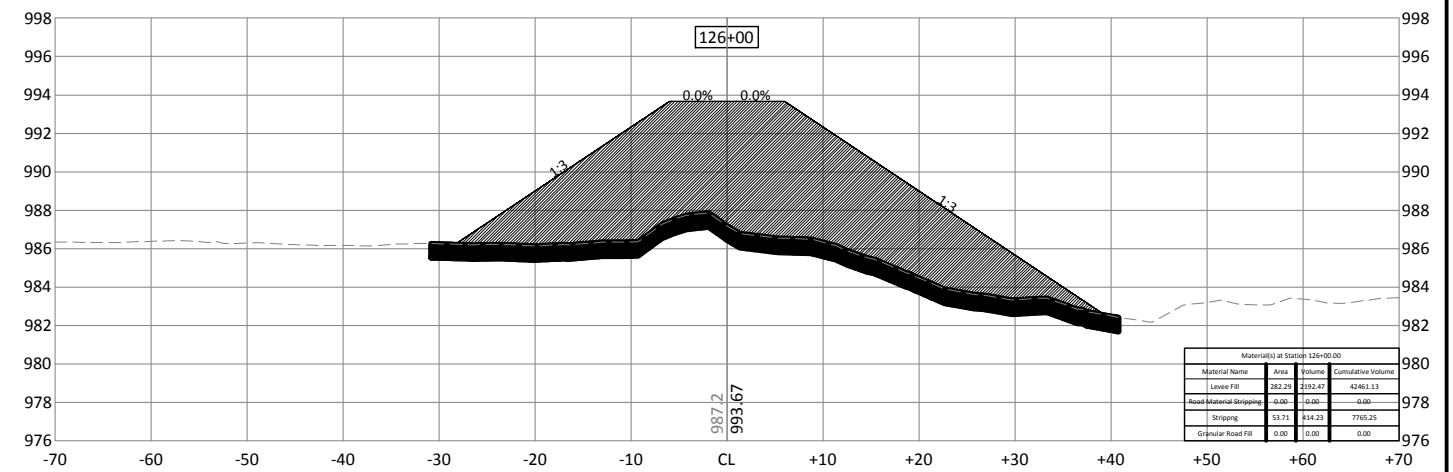
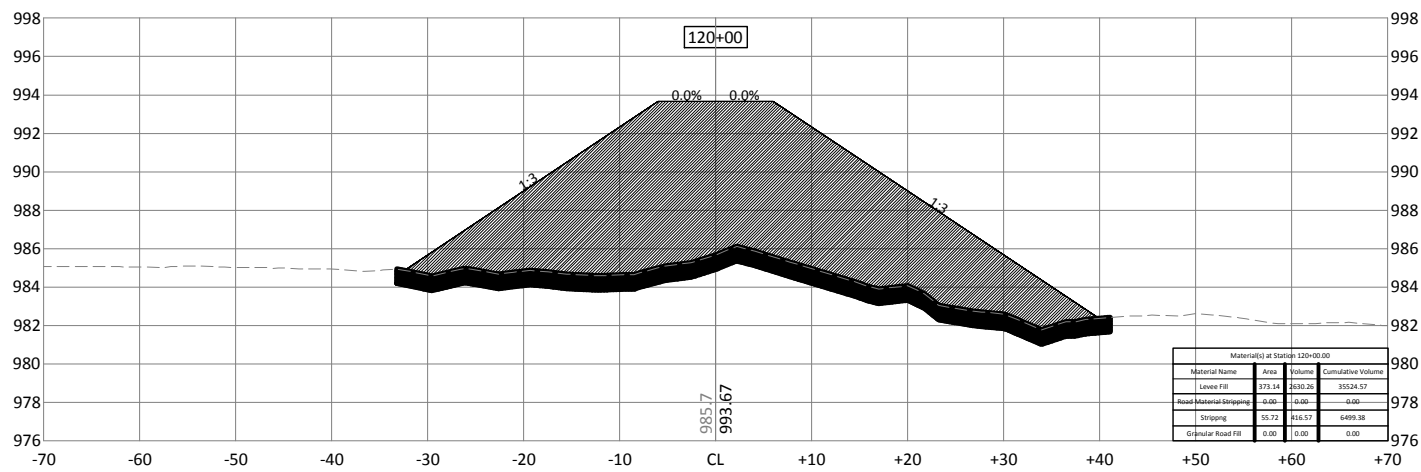
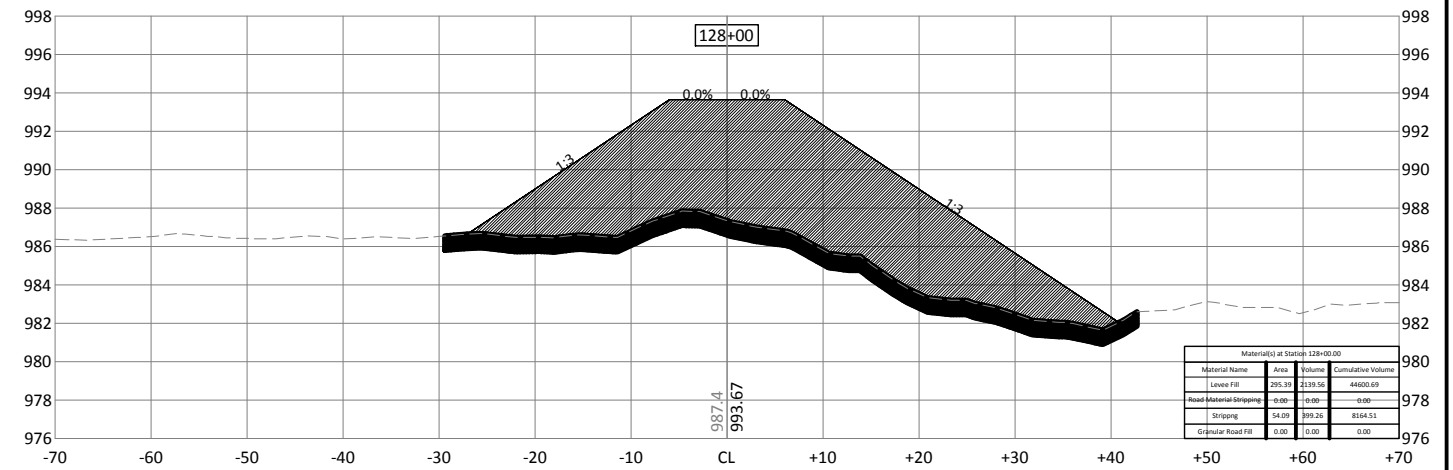
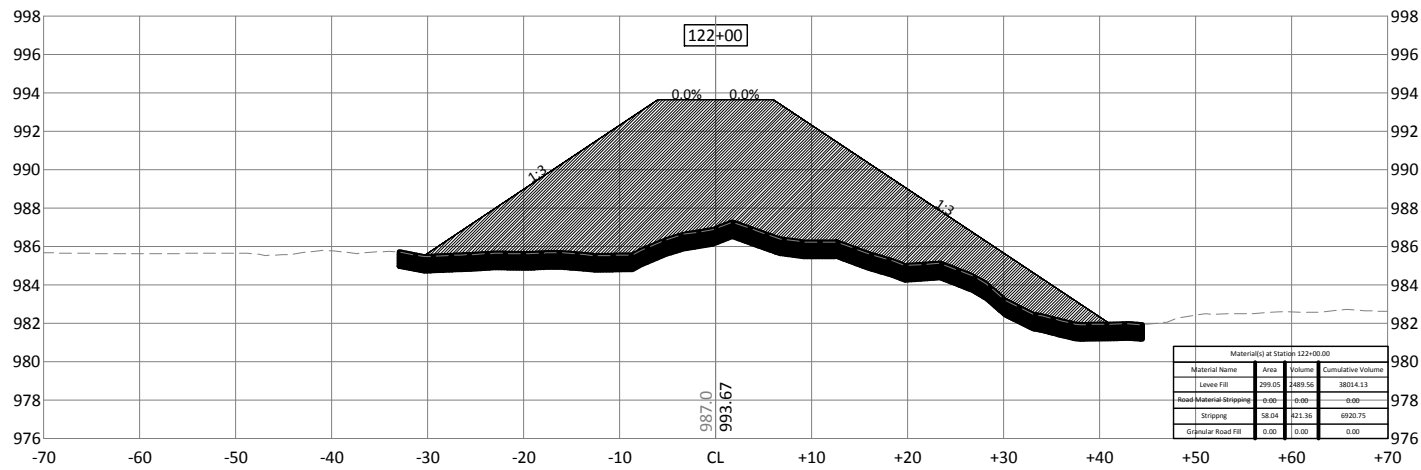
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.3



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CD\11254\CORR\_2\_Quantity.dwg 5/21/2018 2:27:38 PM



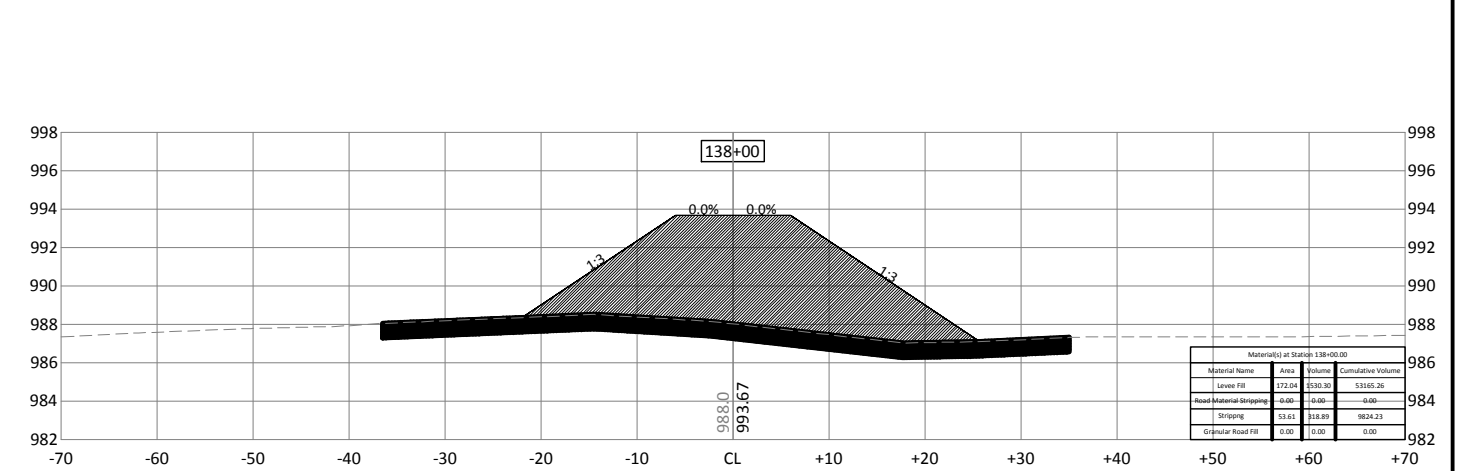
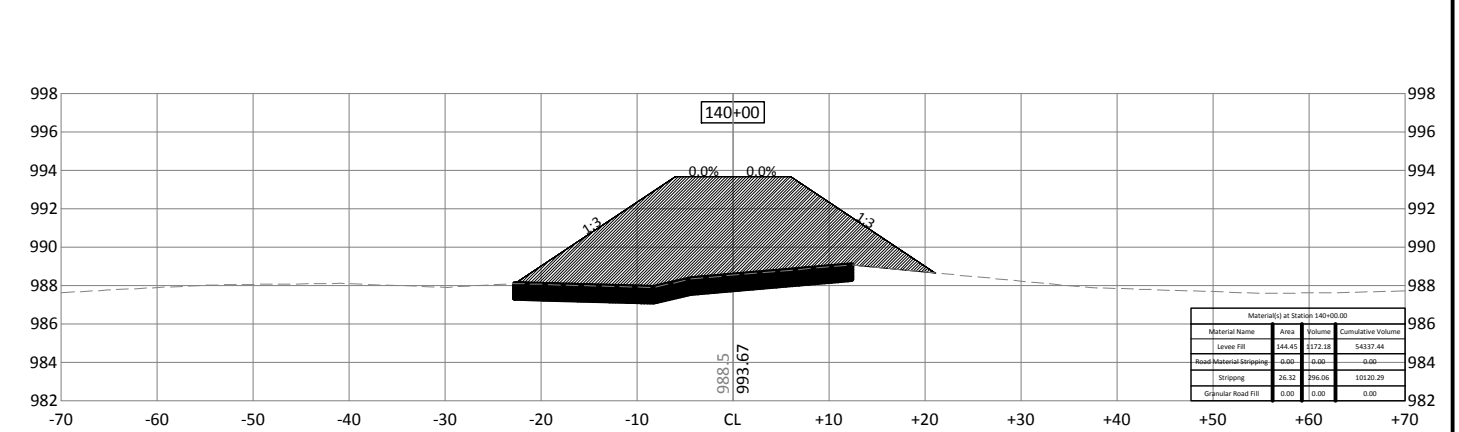
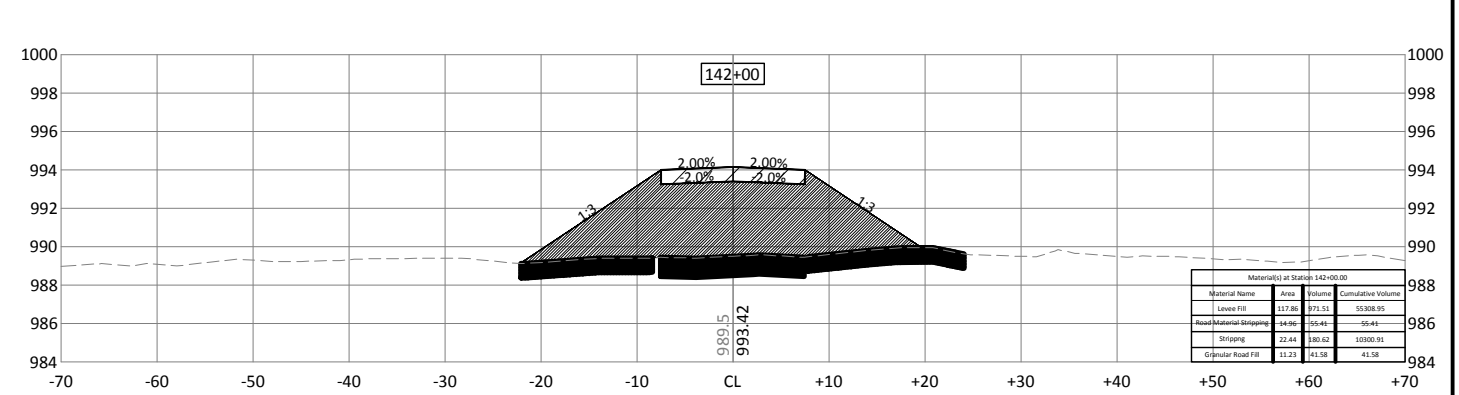
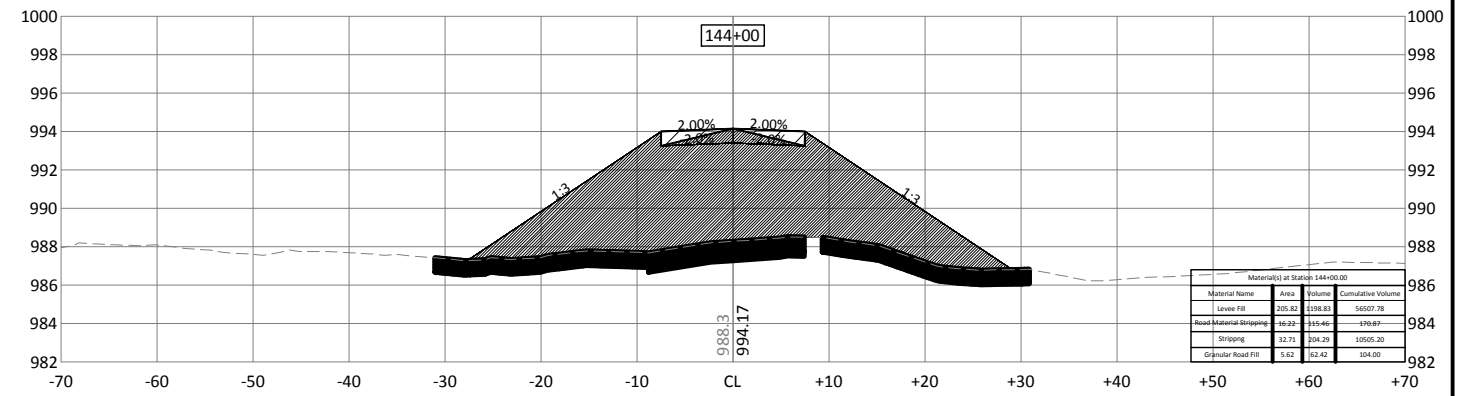
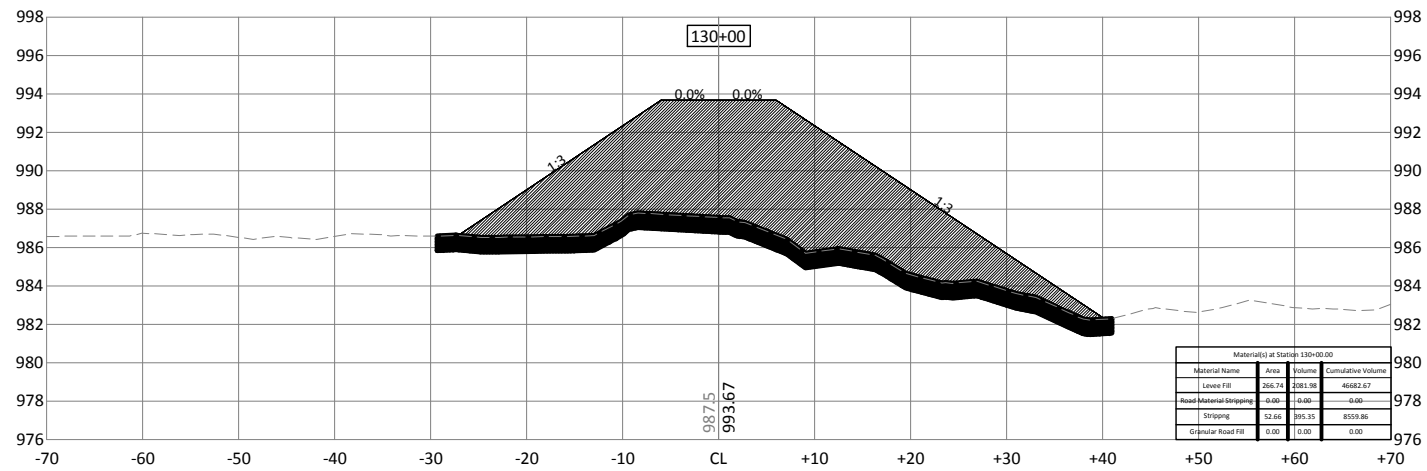
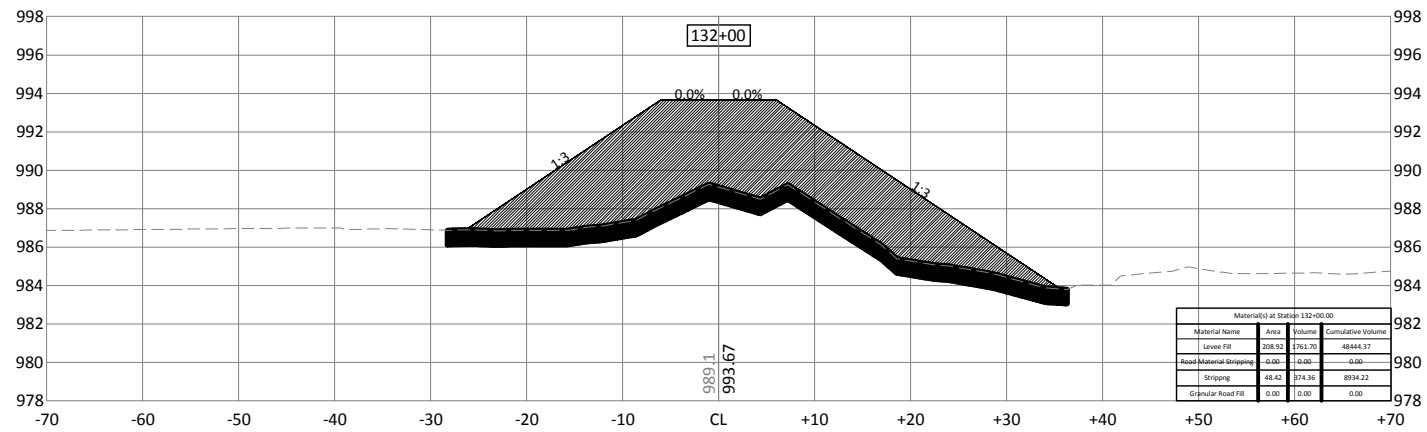
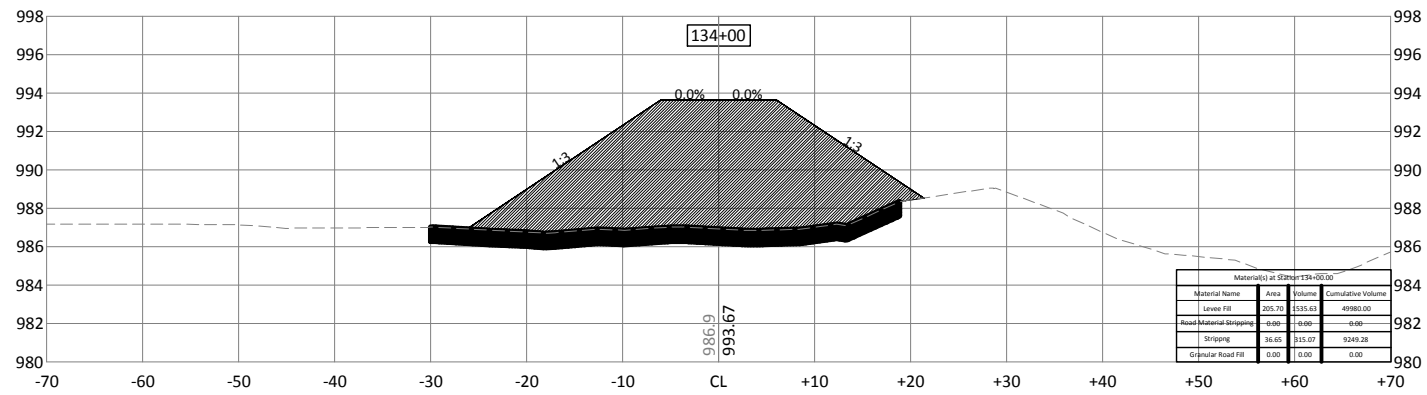
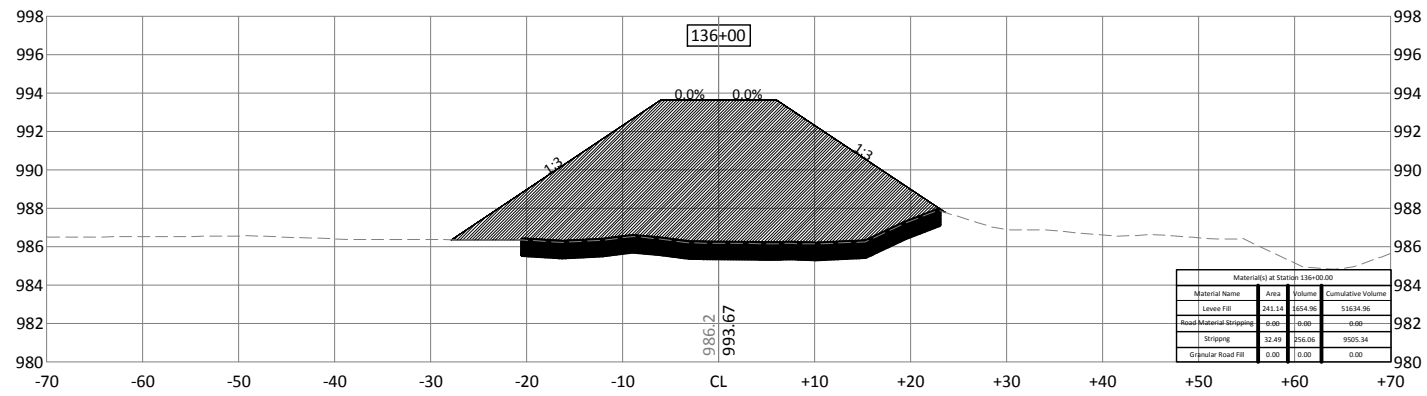
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.4

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\121254\CD\121254\_C\_CDRR\_2\_Constr.dwg 5/21/2018 2:38:04 PM



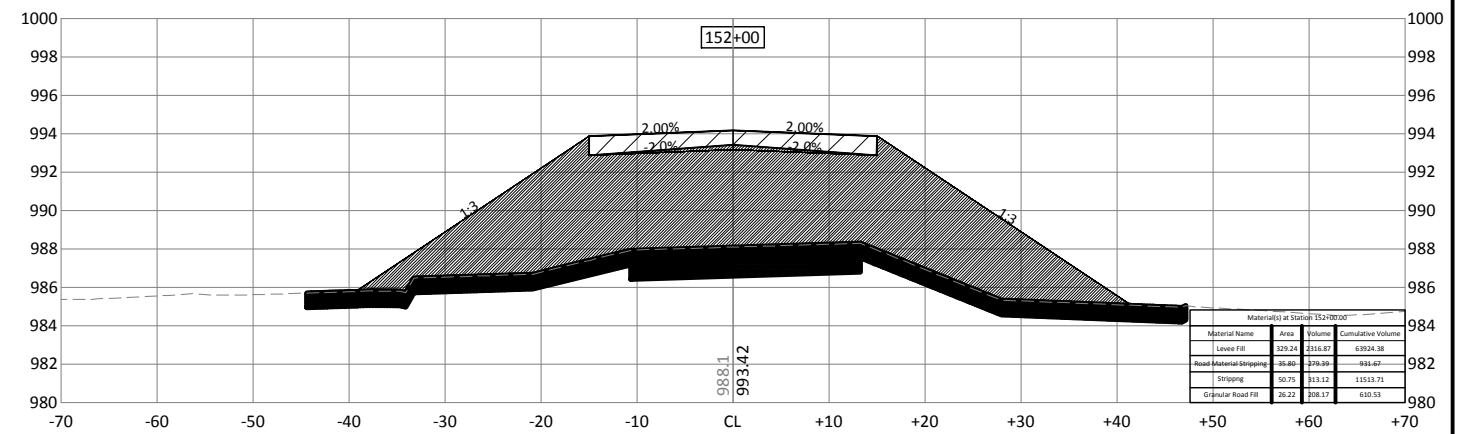
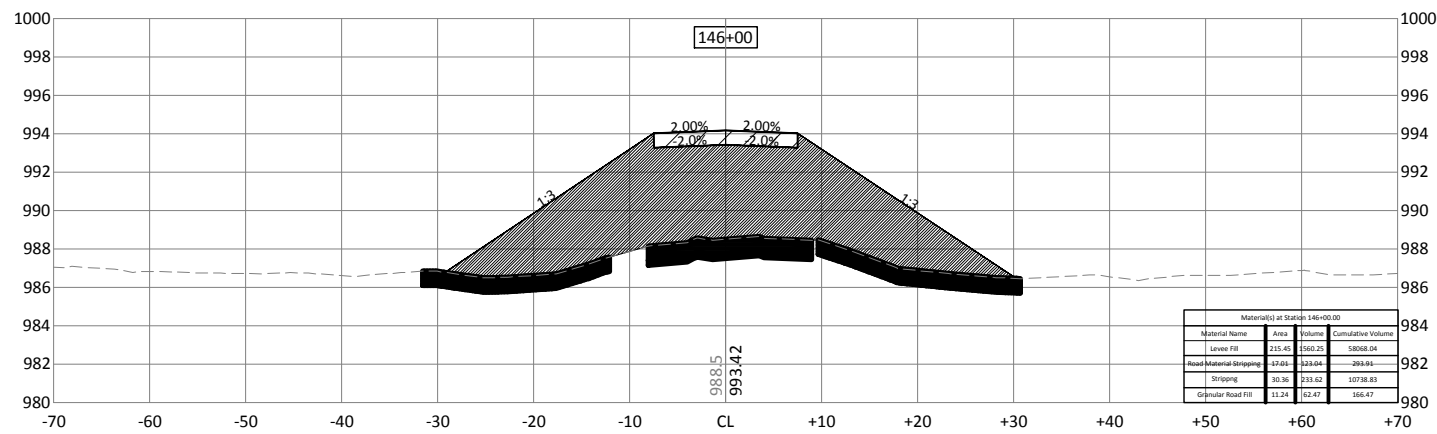
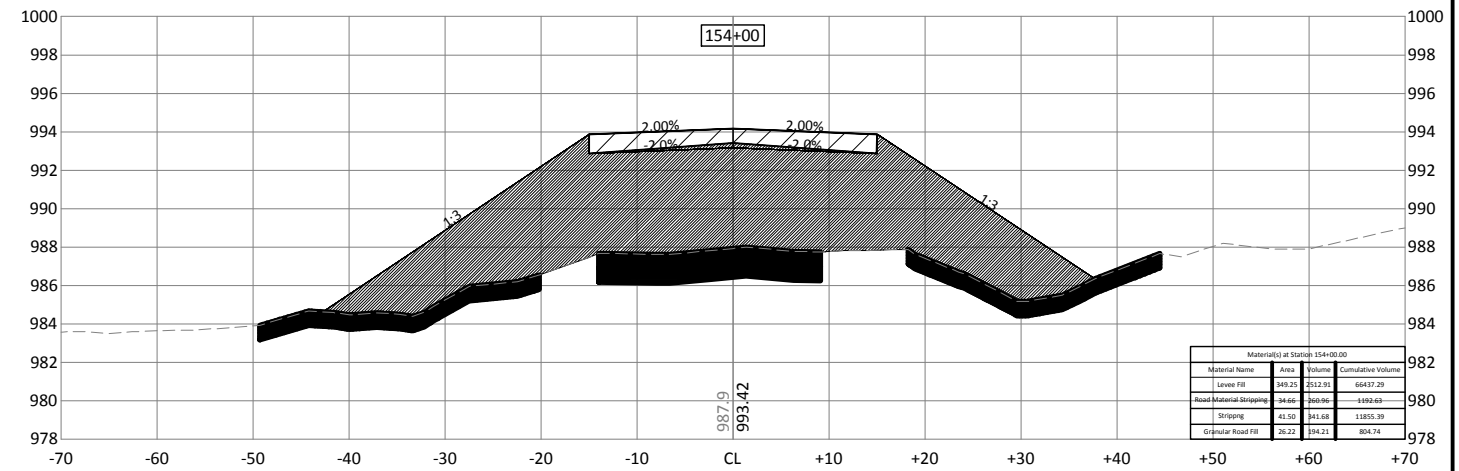
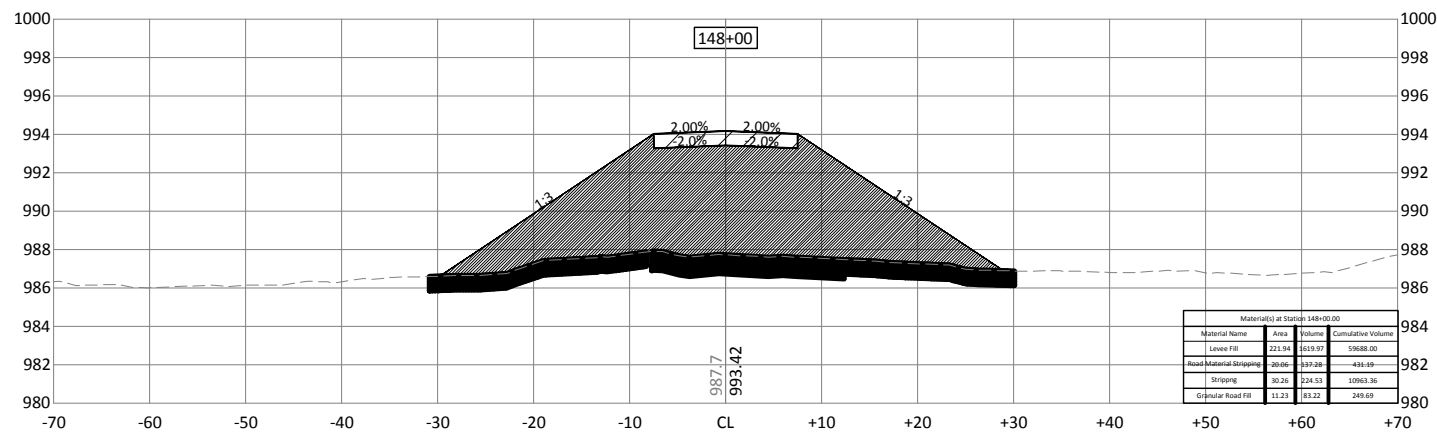
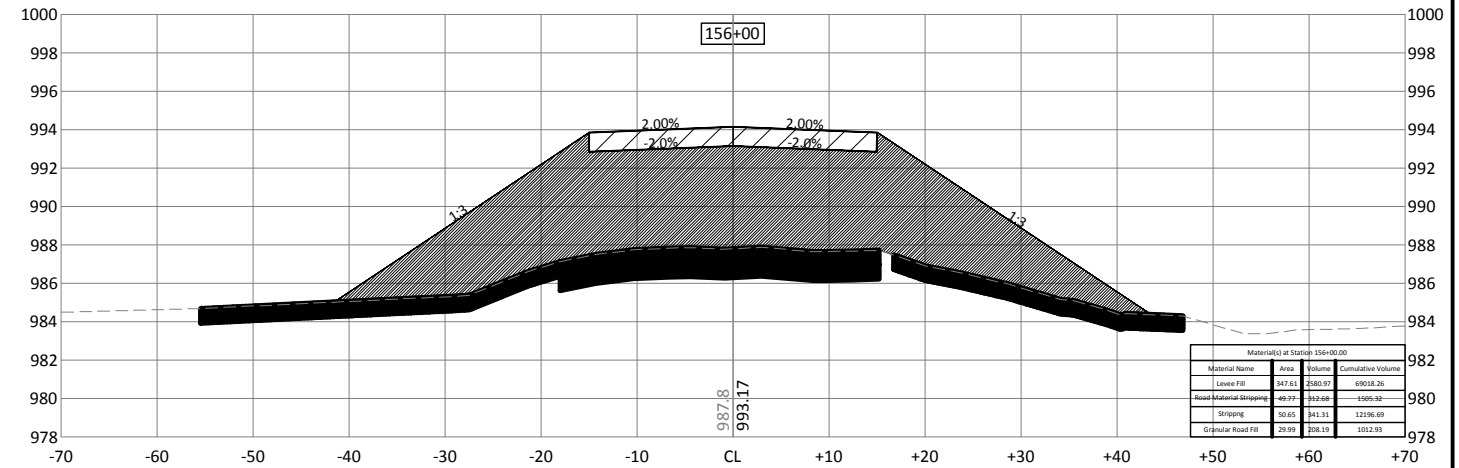
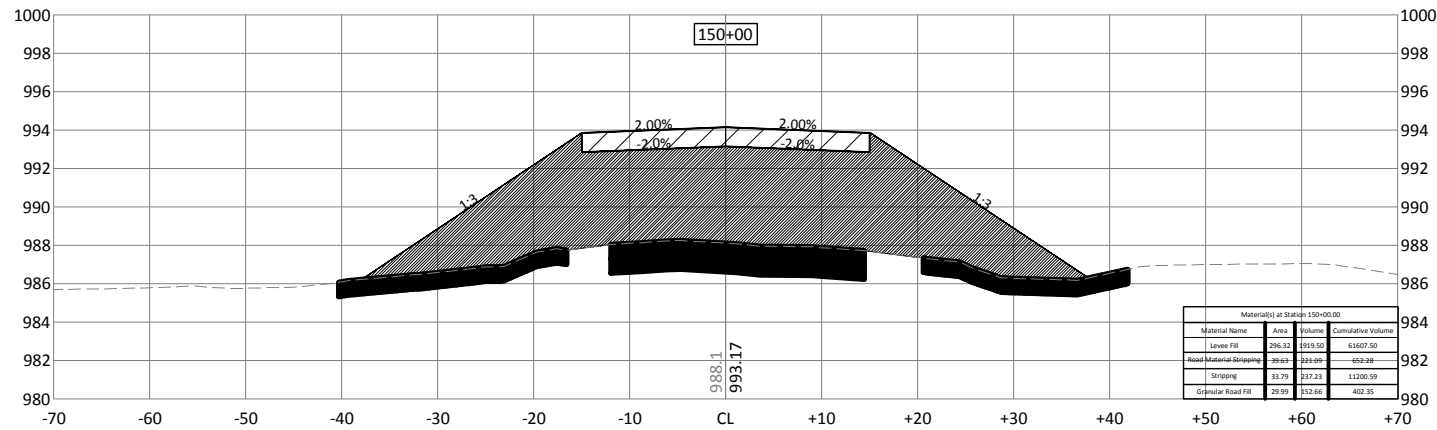
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.5





© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\12\111254\CD\12111254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:38:19 PM

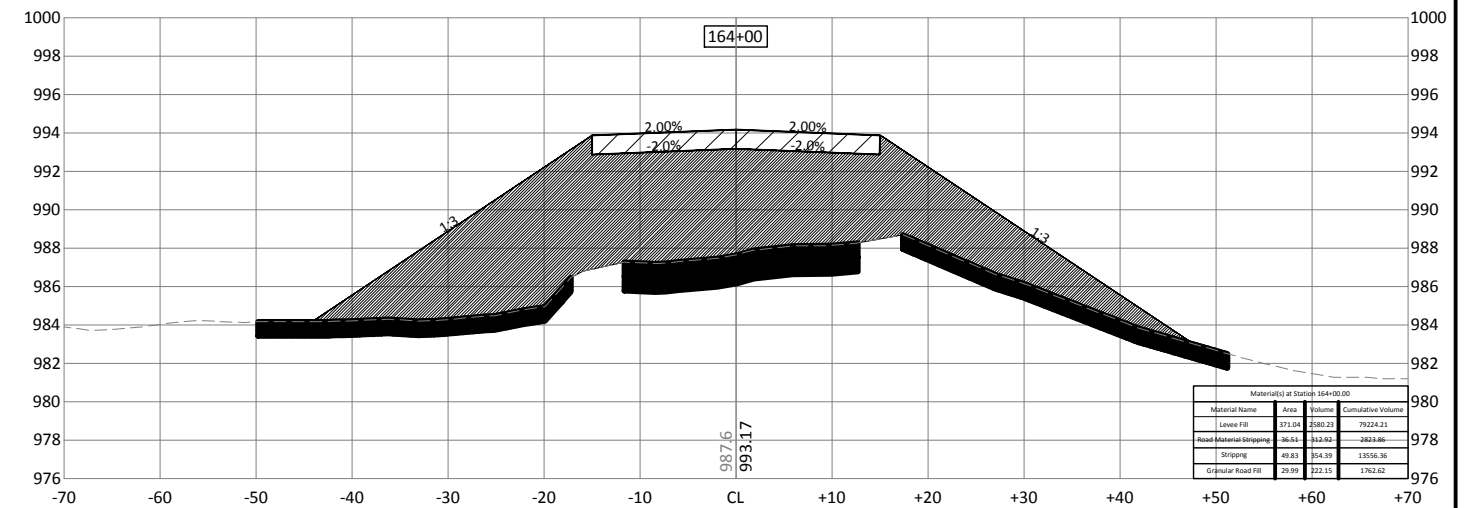
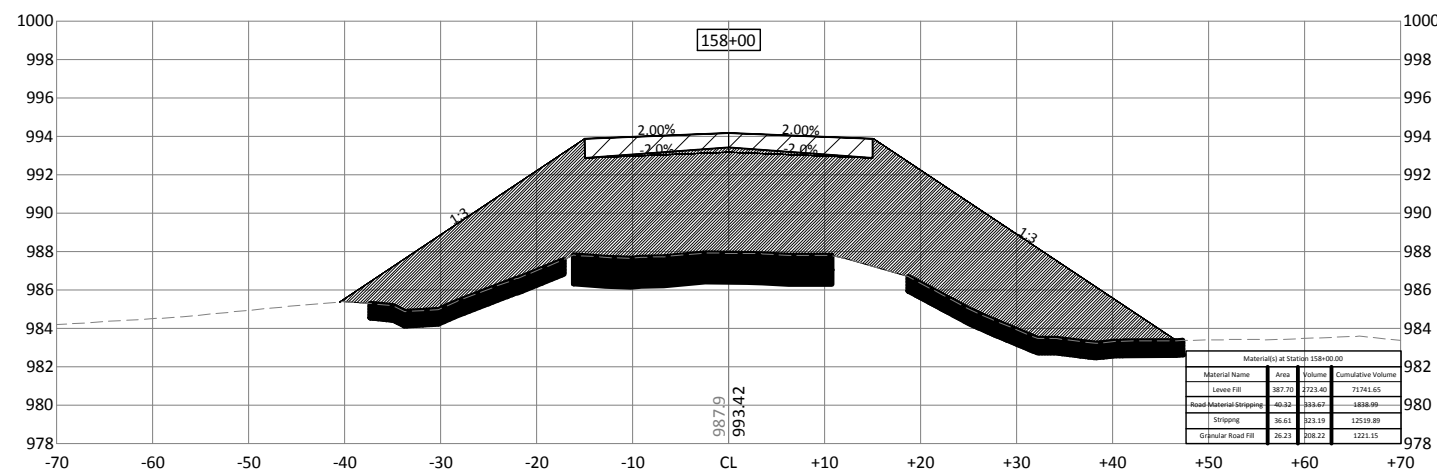
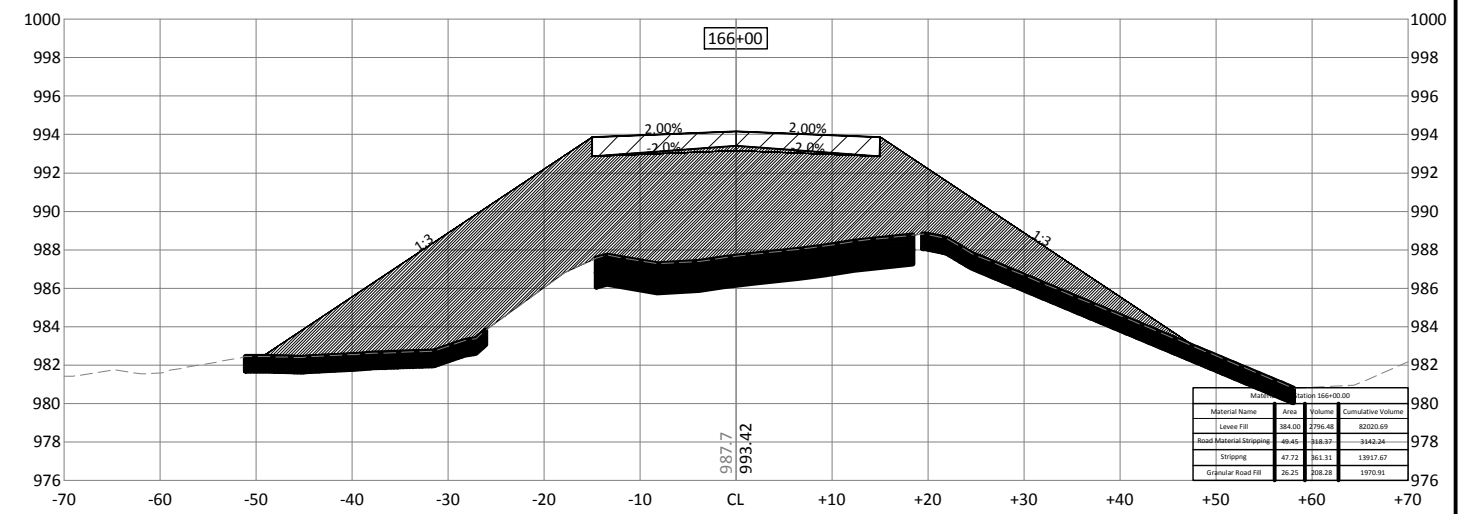
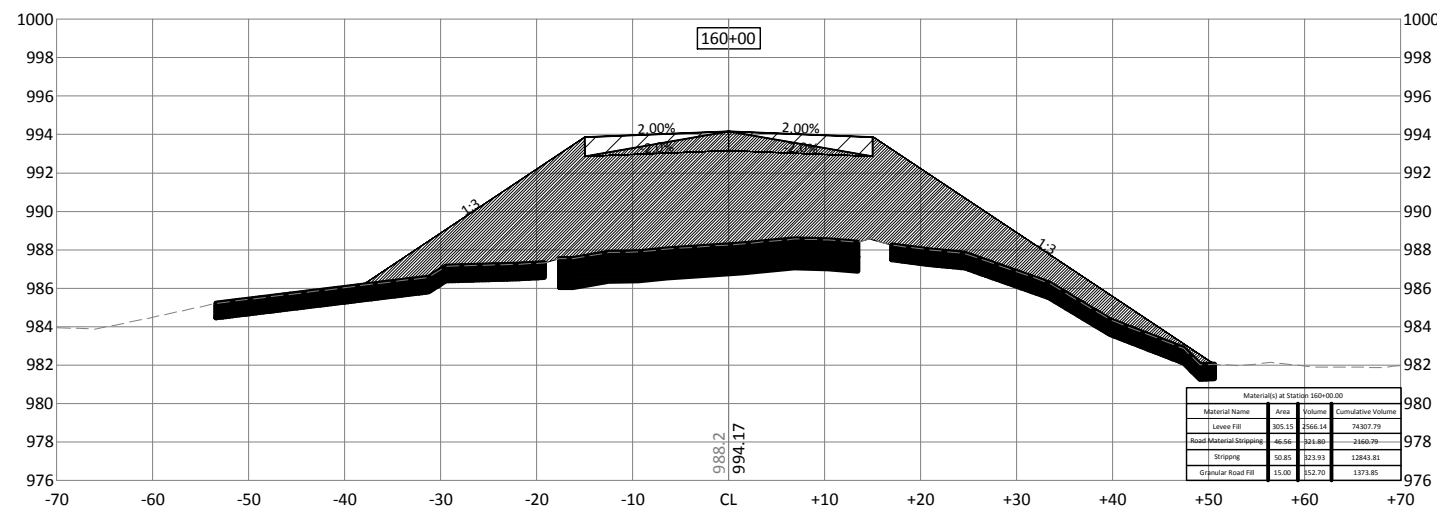
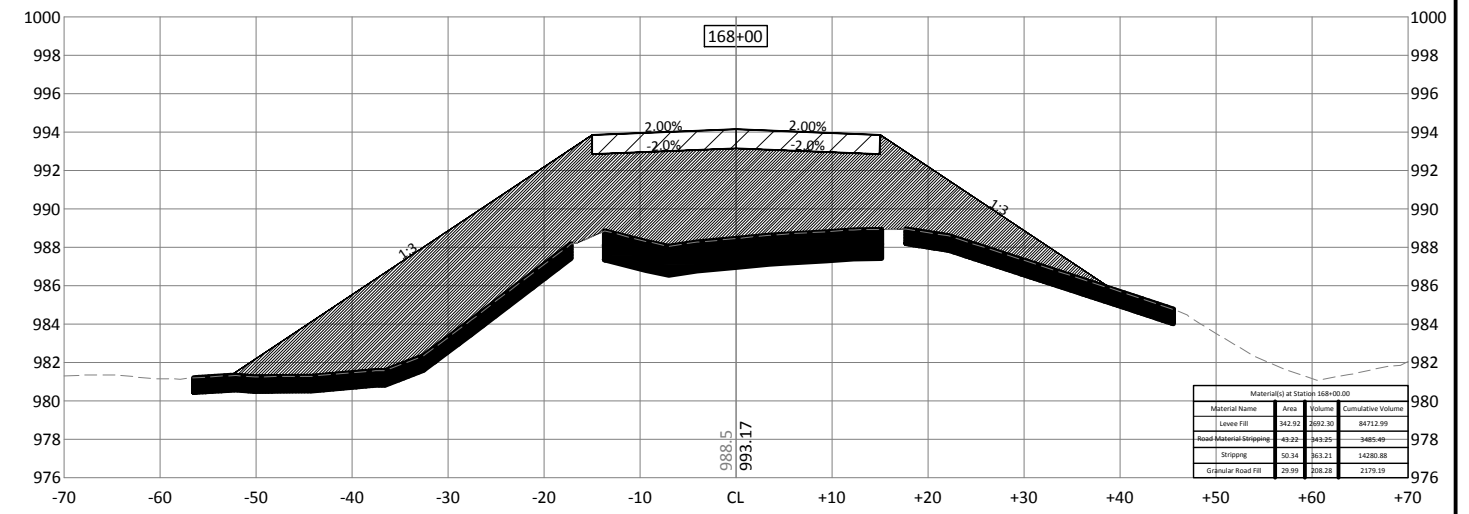
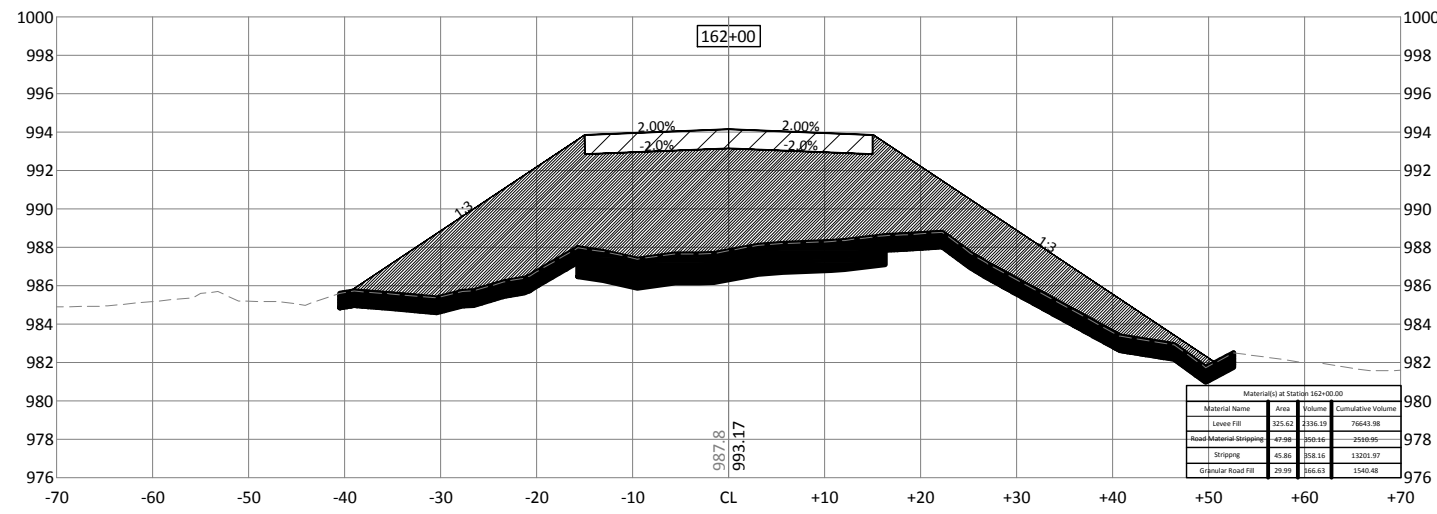


300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.6



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\1211254\CD\1211254\_C\_CDR\_2\_Quantity.dwg 5/21/2018 2:38:54 PM



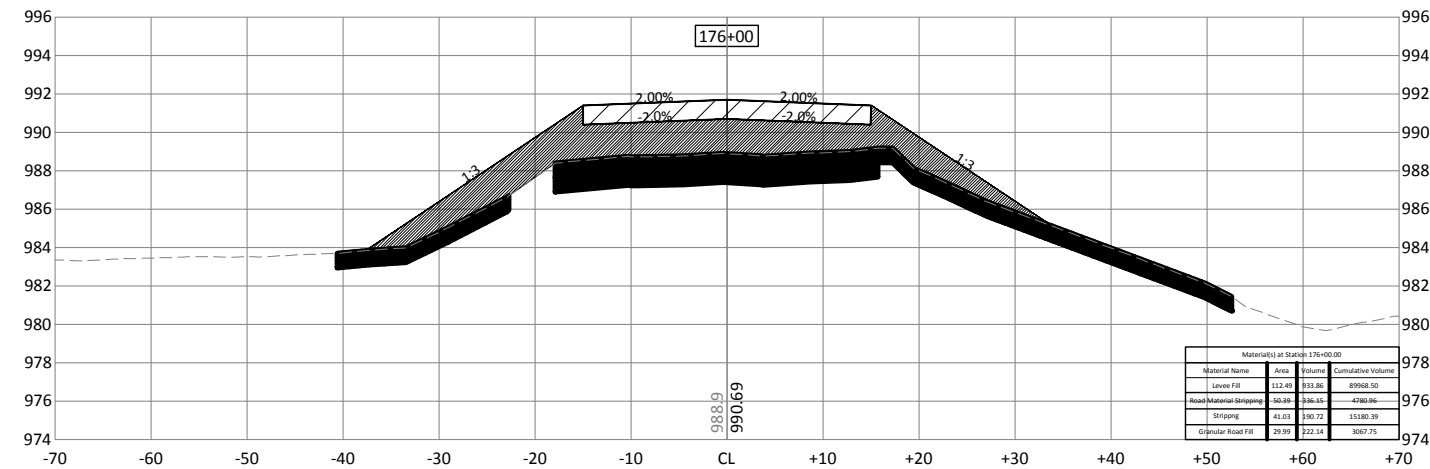
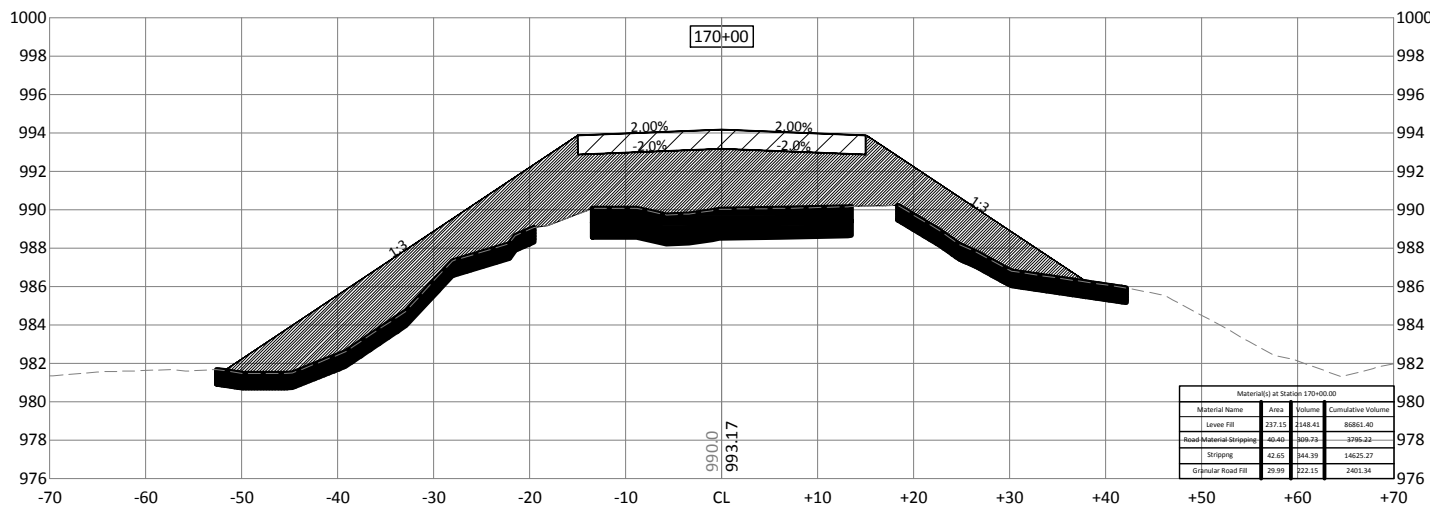
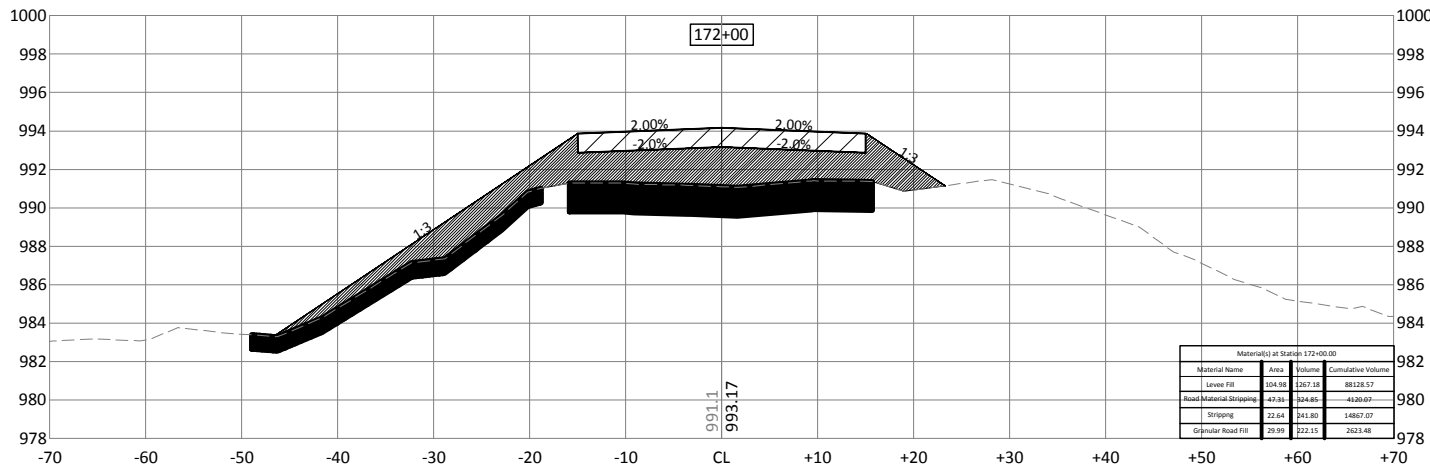
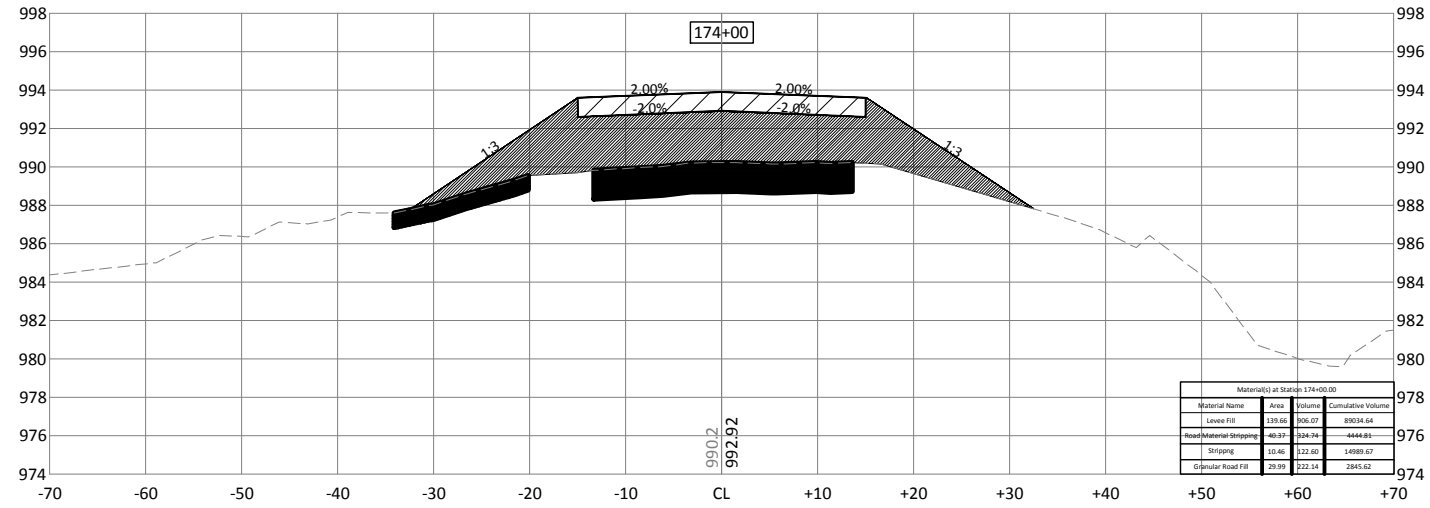
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.7





© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-14\12.11.25\1254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:39:19 PM

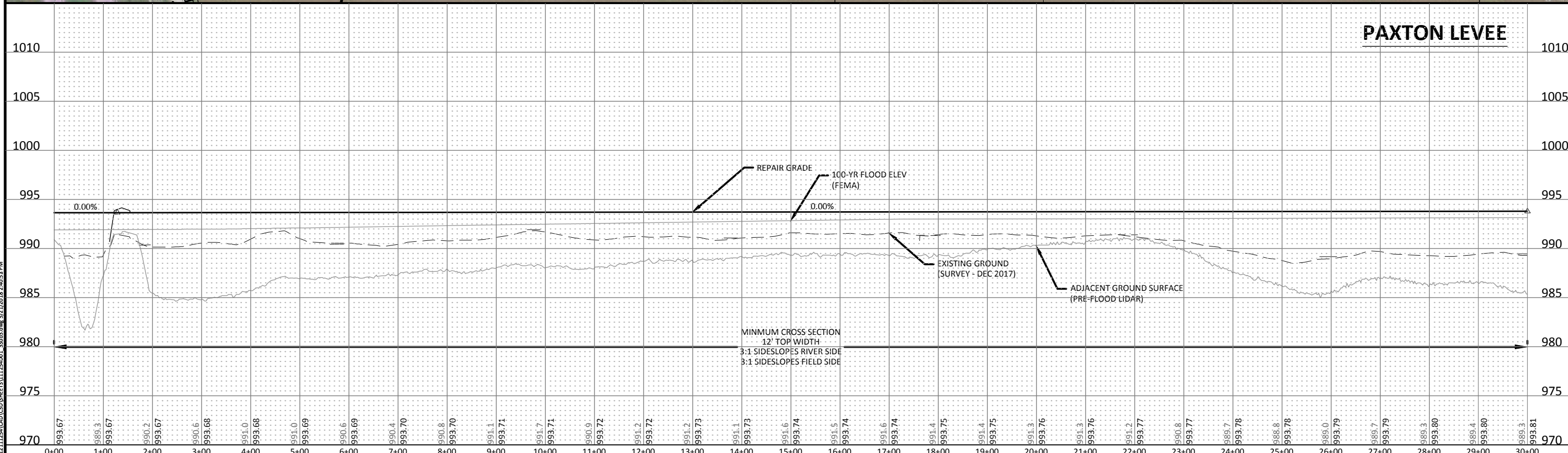
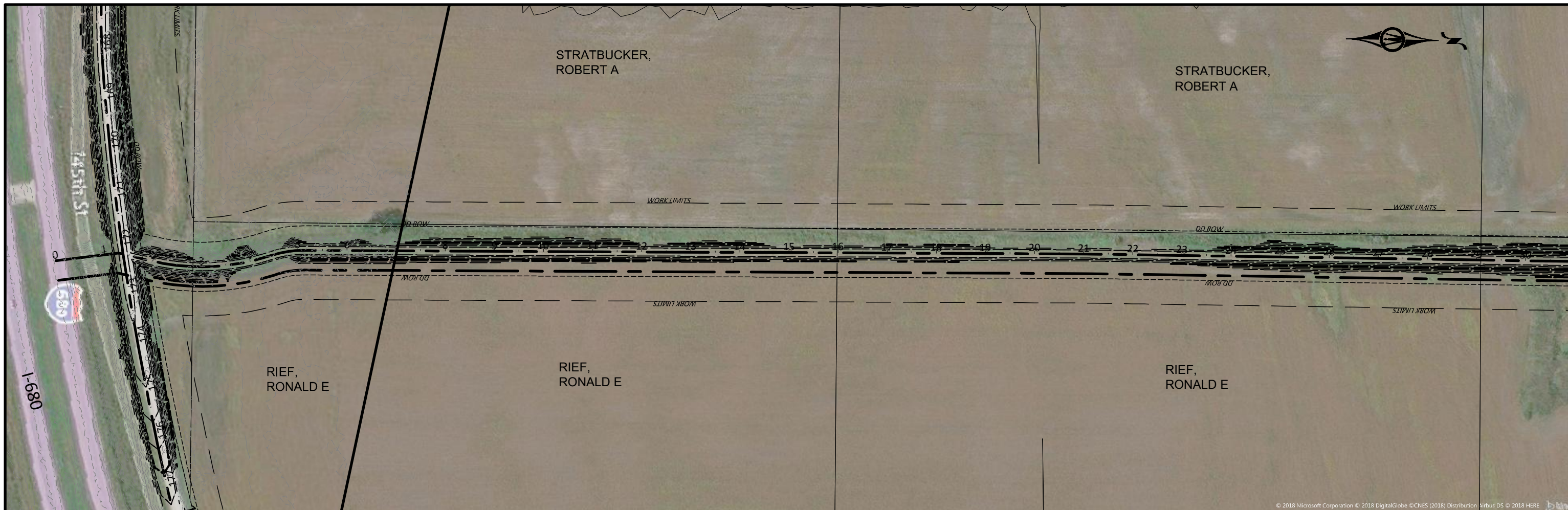


300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
IDOT LEVEE REALIGNMENT CROSS SECTIONS

SHEET  
XR.8



© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\1211254\1211254.dwg (5/21/2018 2:40:53 PM)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED  
 BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED  
 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ENGINEER'S NAME: XXXXX  
 LIC. NO.: XXXXX DATE: MM/DD/YYYY



300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: Jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

**PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA**  
**SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS**  
**PAXTON LEVEE PLAN & PROFILE**

SHEET  
 P.1

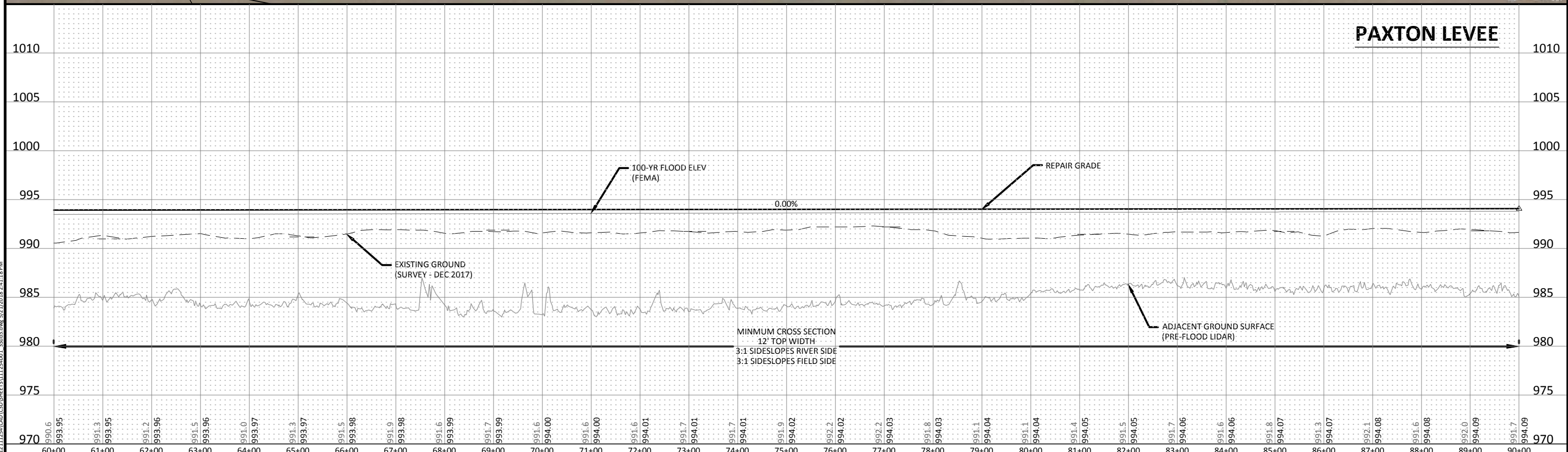








© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180111\20180111\_254001\_3503.dwg 5/21/2018 2:41:18 PM



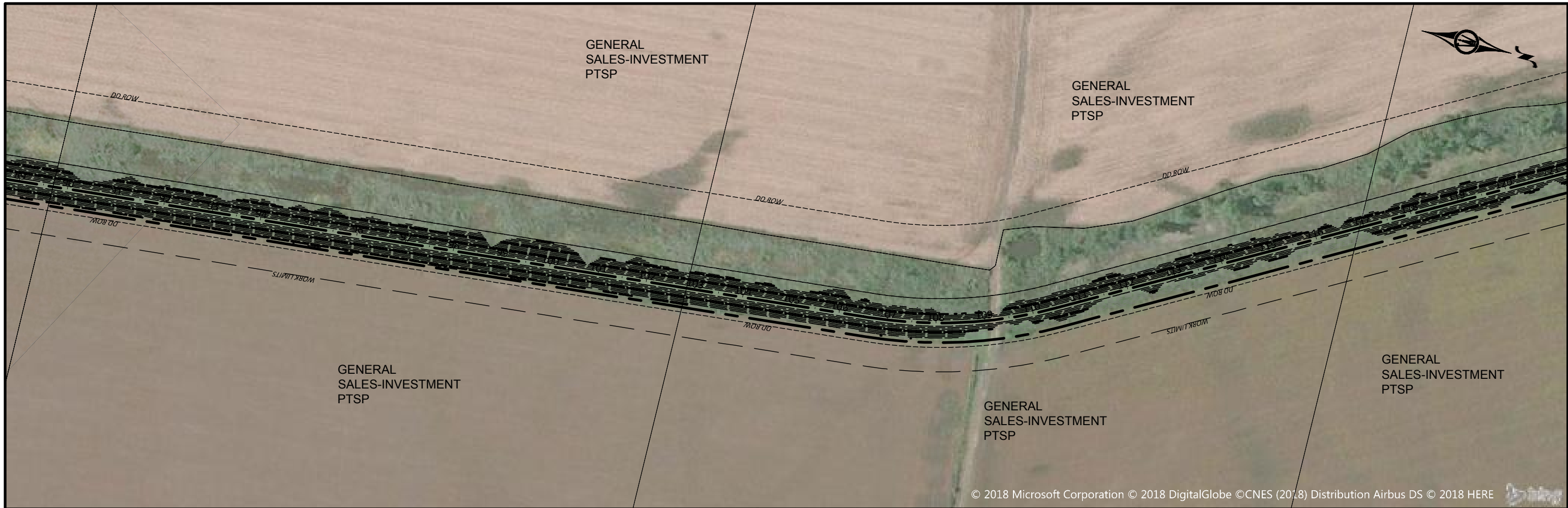
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

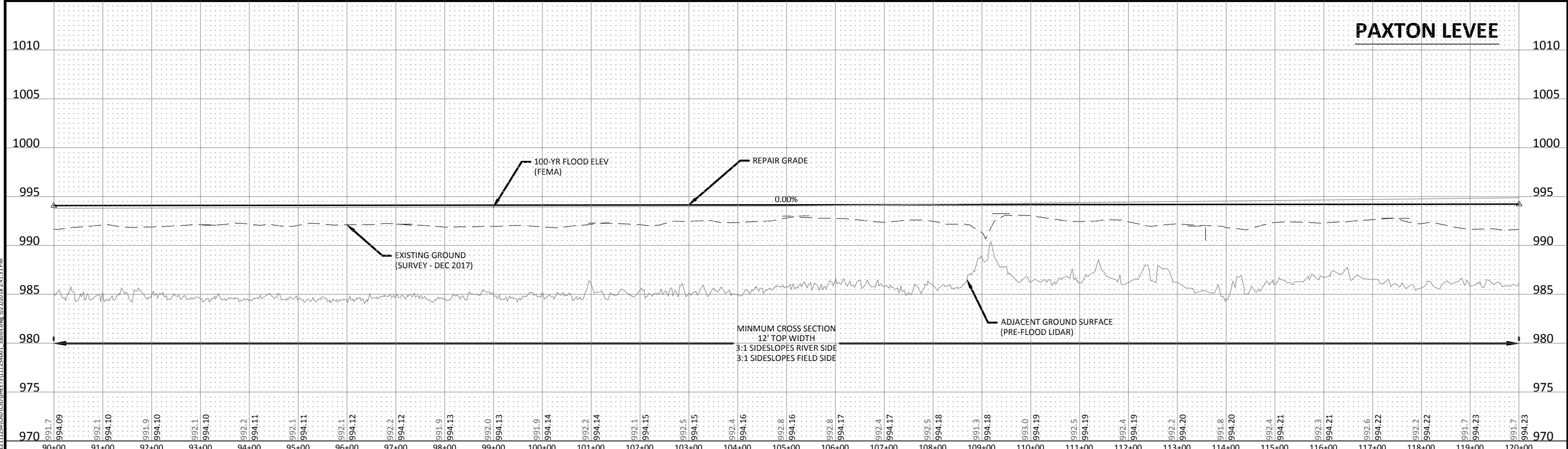
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
PAXTON LEVEE PLAN & PROFILE

SHEET  
P.3





© 2018 Microsoft Corporation © 2018 DigitalGlobe ©CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180301\20180301\_35013.dwg 5/21/2018 2:41:31 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

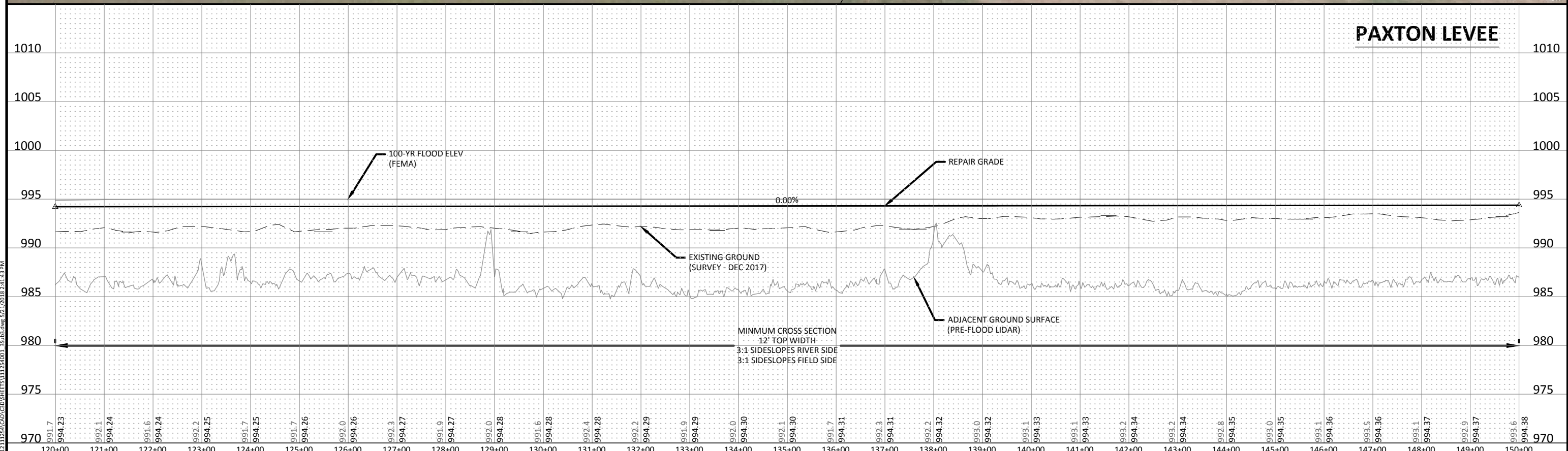
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
PAXTON LEVEE PLAN & PROFILE

SHEET  
P.4



© 2018 Microsoft Corporation © 2018 DigitalGlobe ©CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\1211254\GIS\DWG\1211254.DWG 5/21/2018 2:41:43 PM



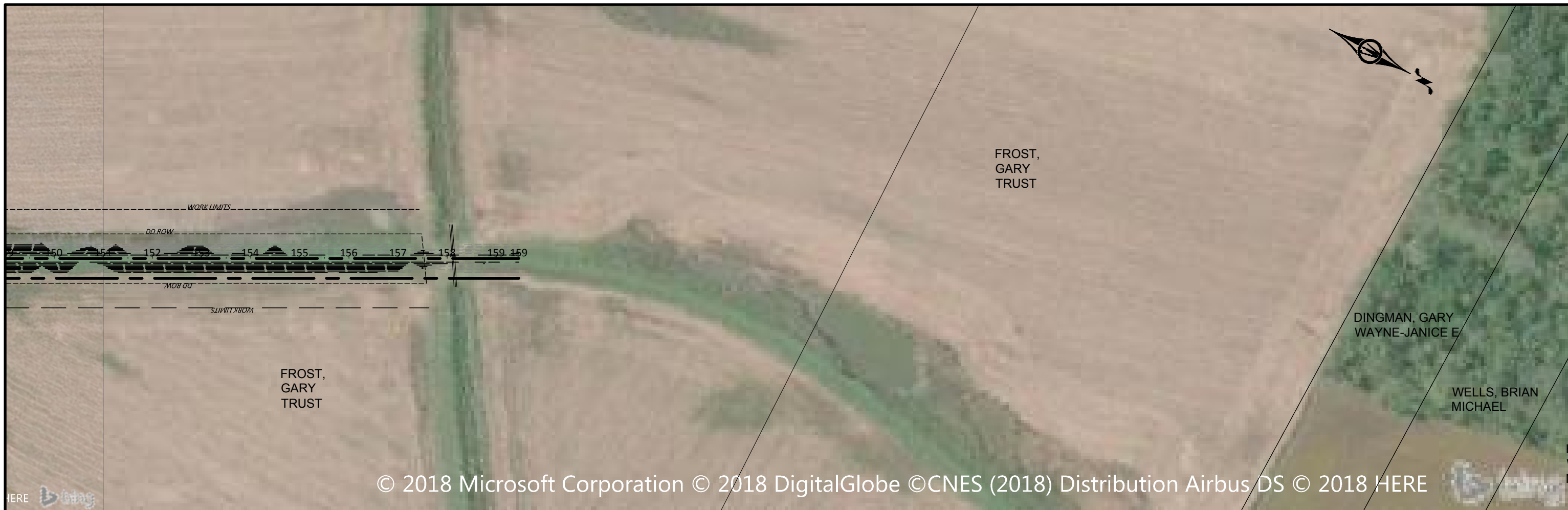
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

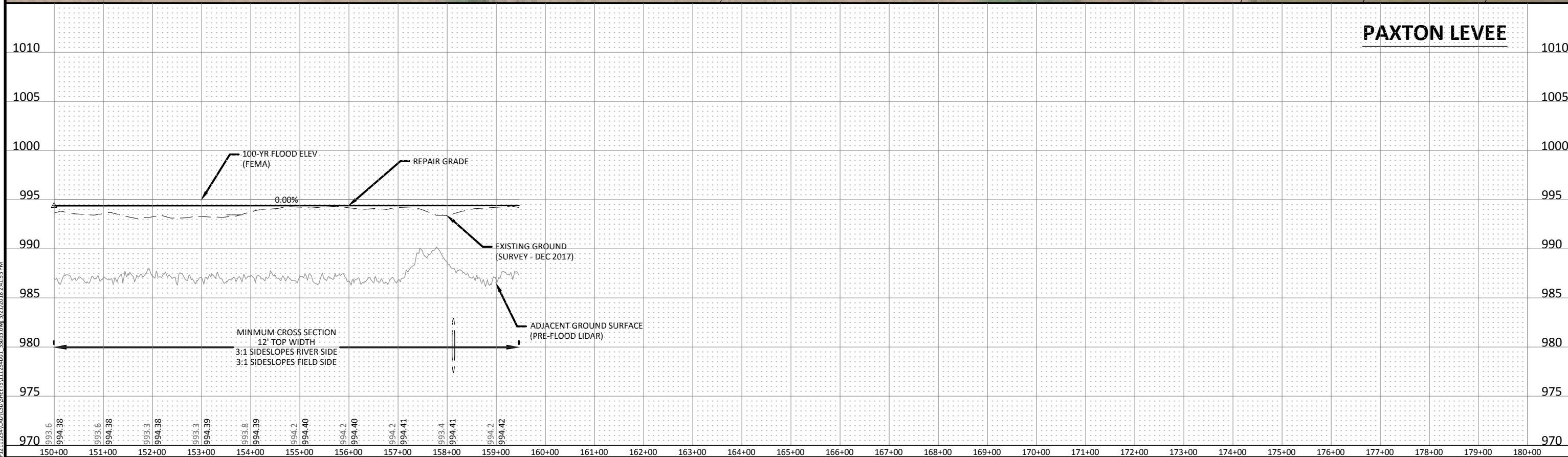
PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
PAXTON LEVEE PLAN & PROFILE

SHEET  
P.5





© 2018 Microsoft Corporation © 2018 DigitalGlobe ©CNES (2018) Distribution Airbus DS © 2018 HERE



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\20180303\GIS\BIFES111254001\_3503.dwg 5/21/2018 2:41:55 PM



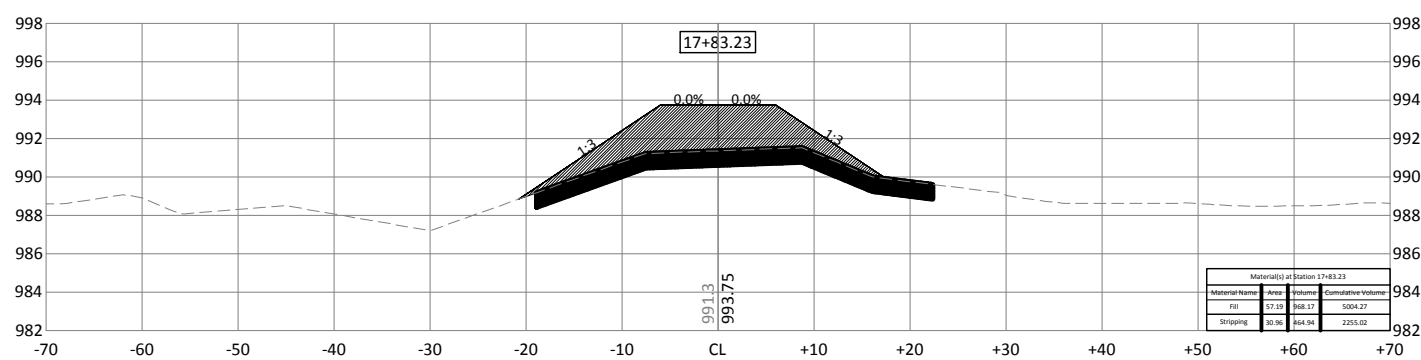
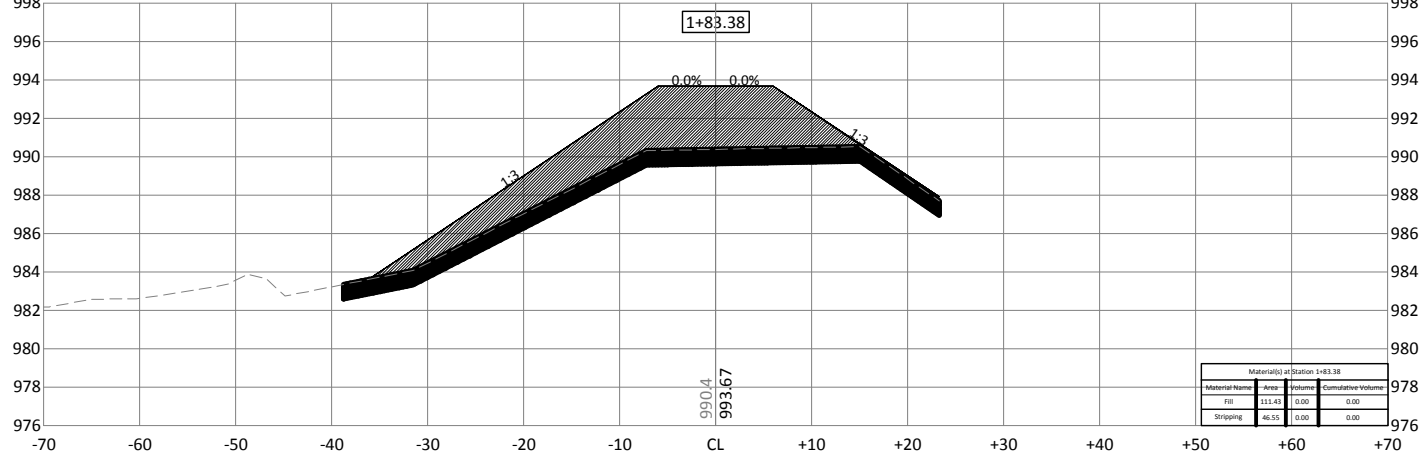
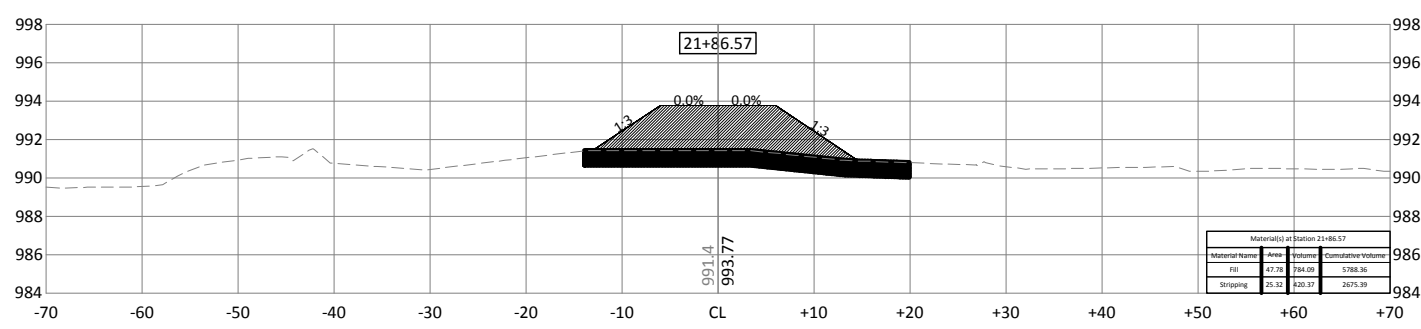
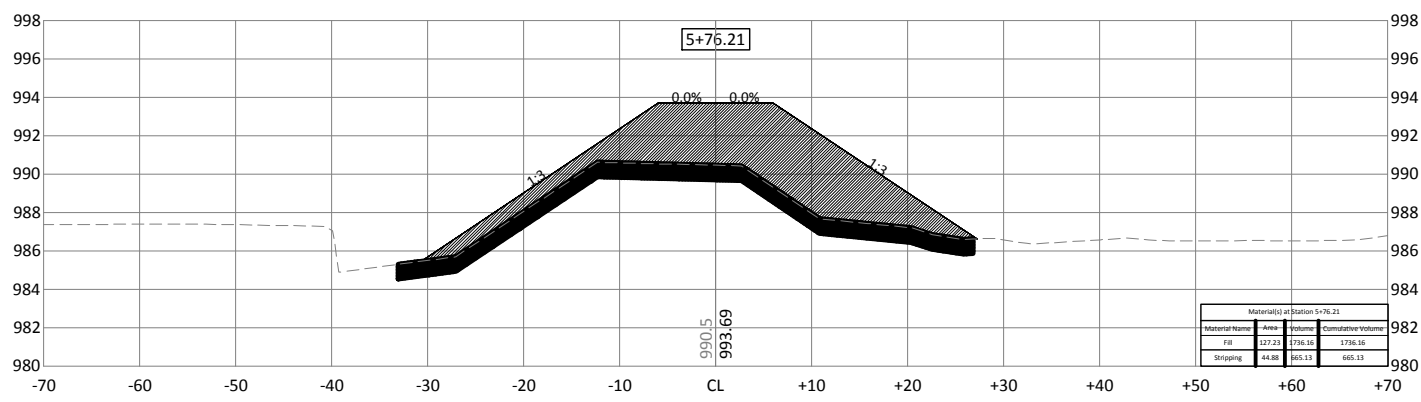
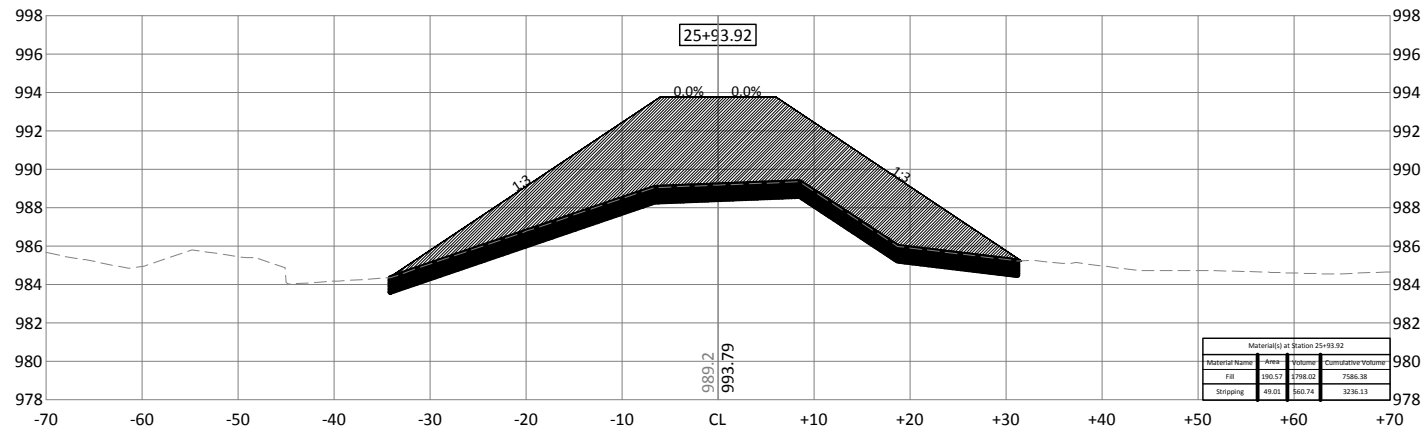
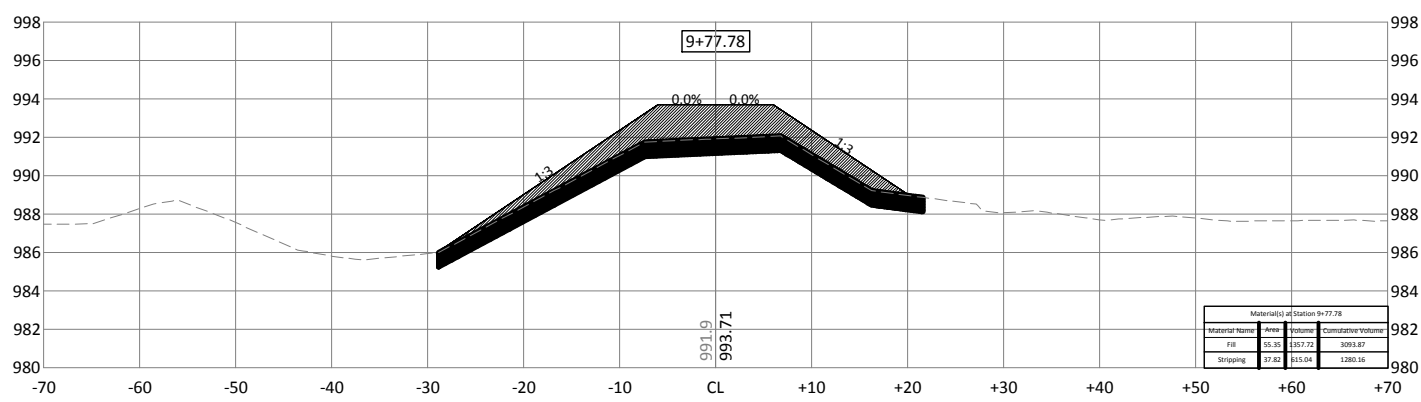
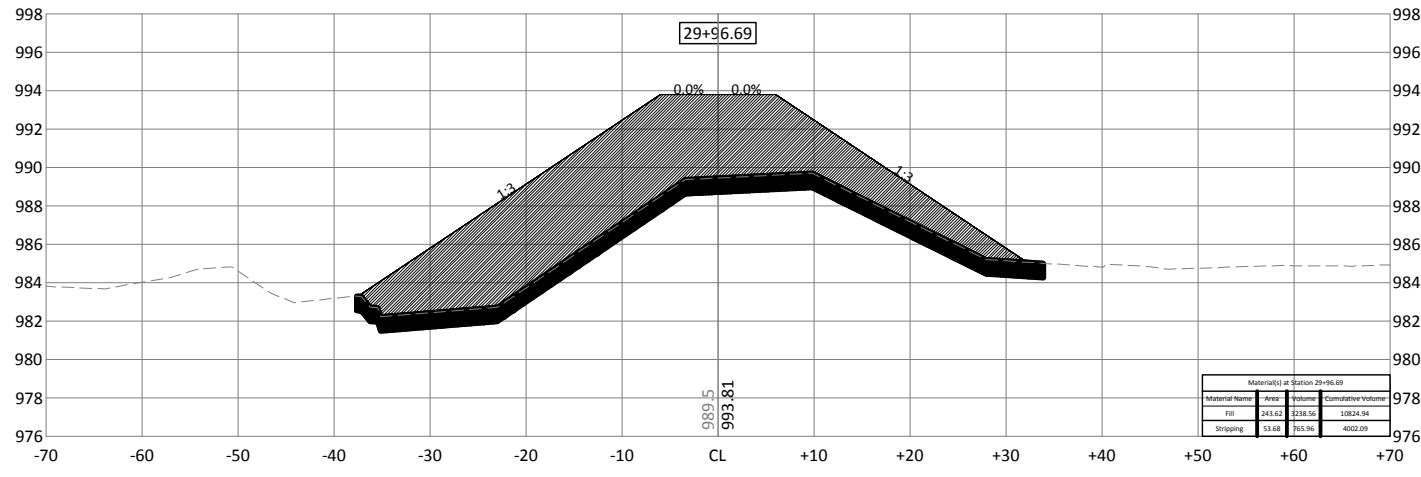
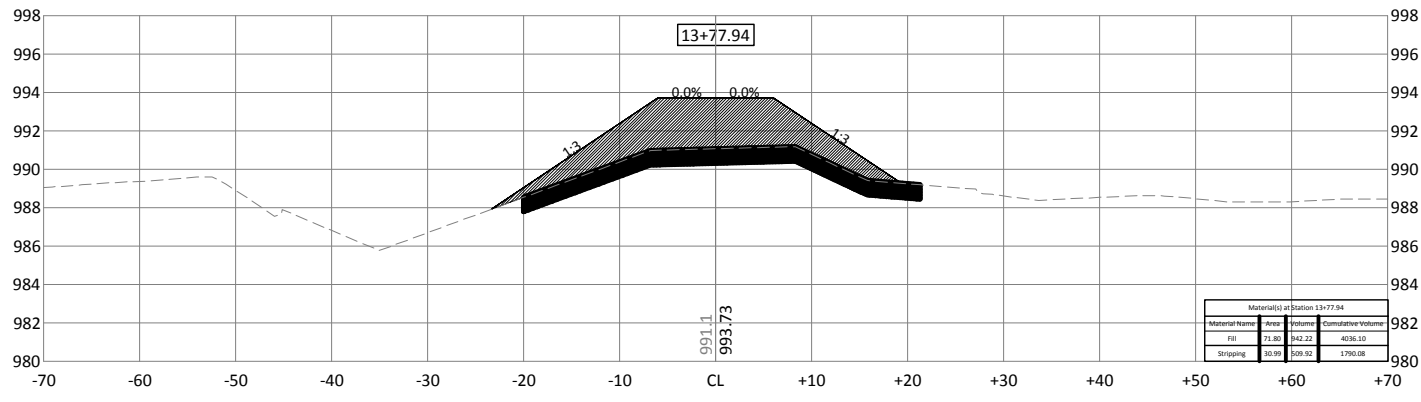
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
SUBDRAINAGE DISTRICT NO. 3 LEVEE REPAIRS  
PAXTON LEVEE PLAN & PROFILE

SHEET  
P.6

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\121254\CORR\_2\_Quantity.dwg 5/21/2018 2:43:19 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

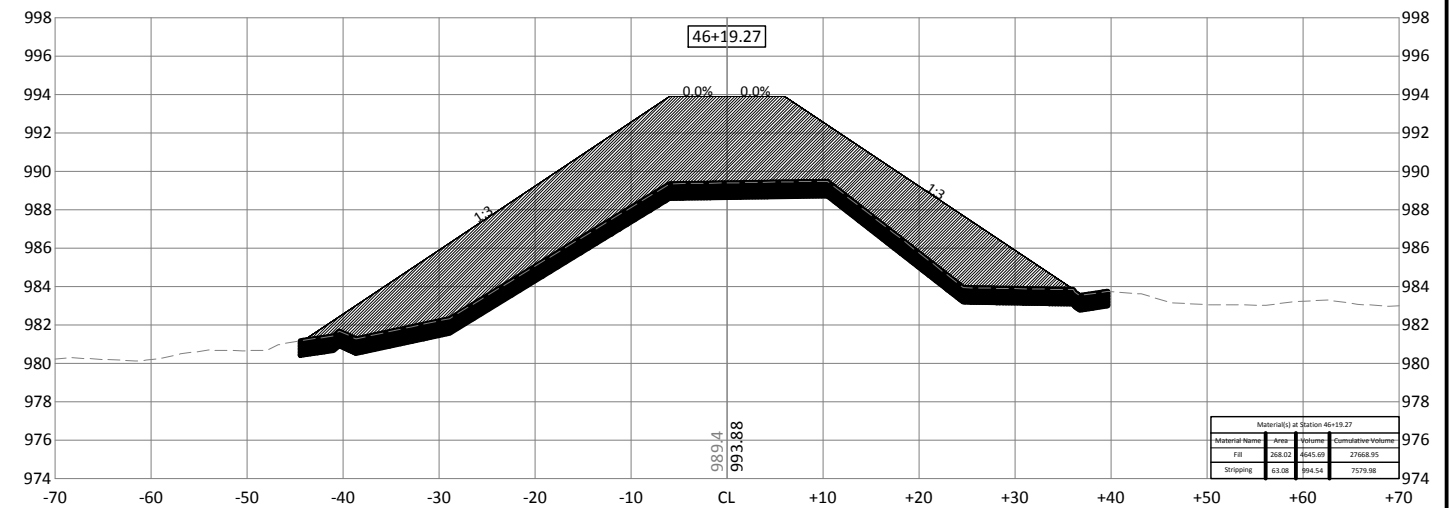
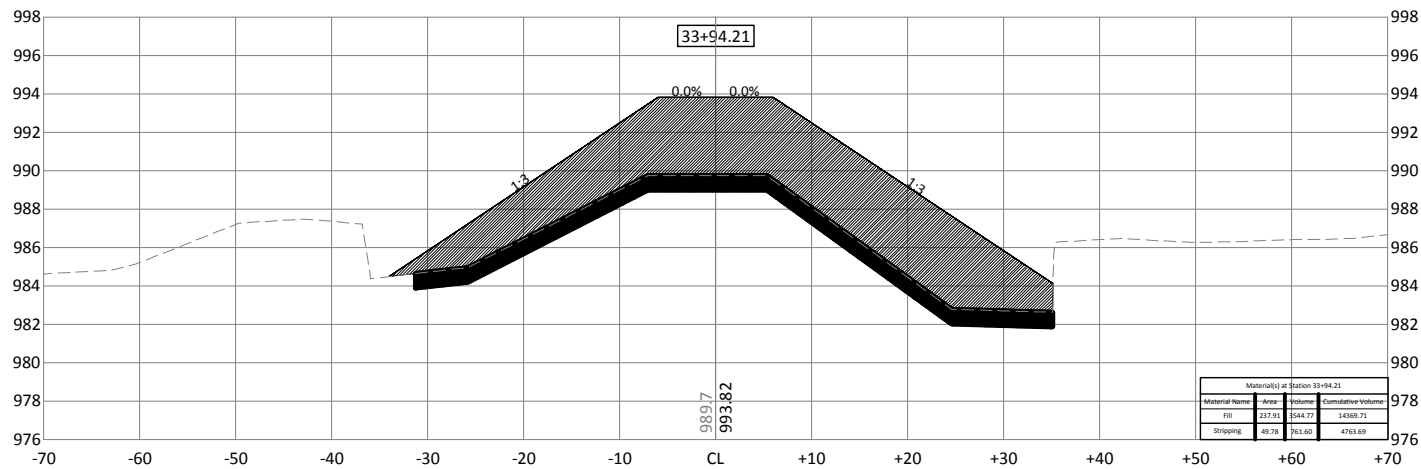
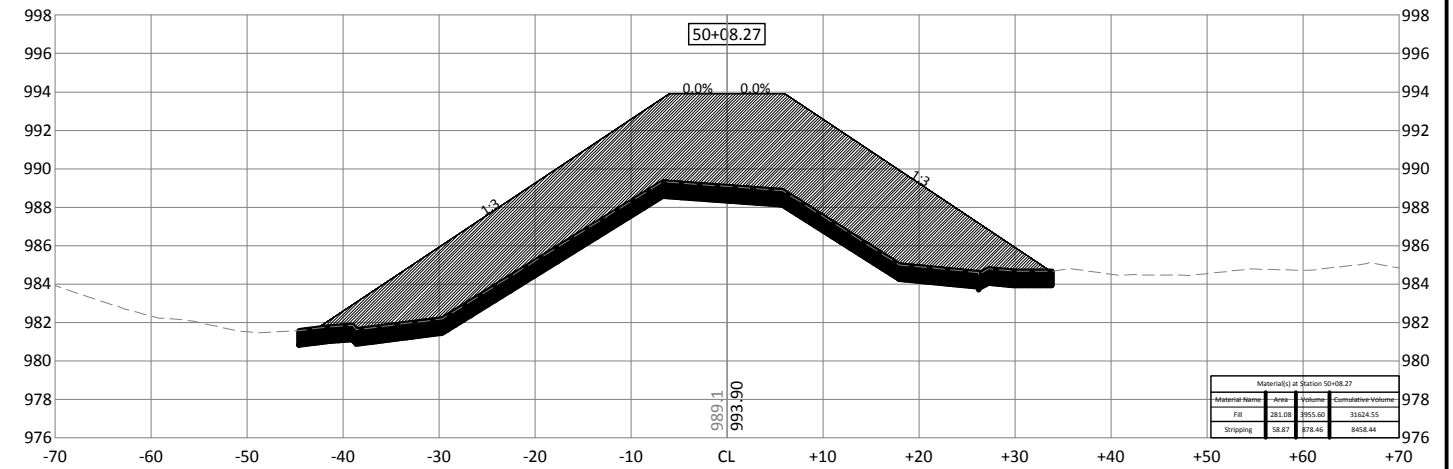
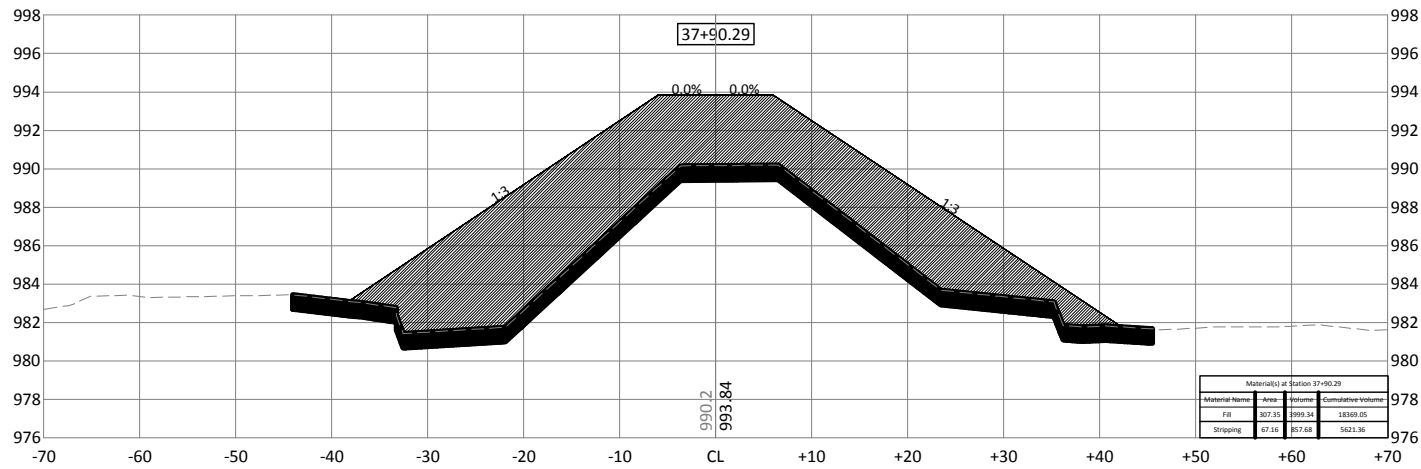
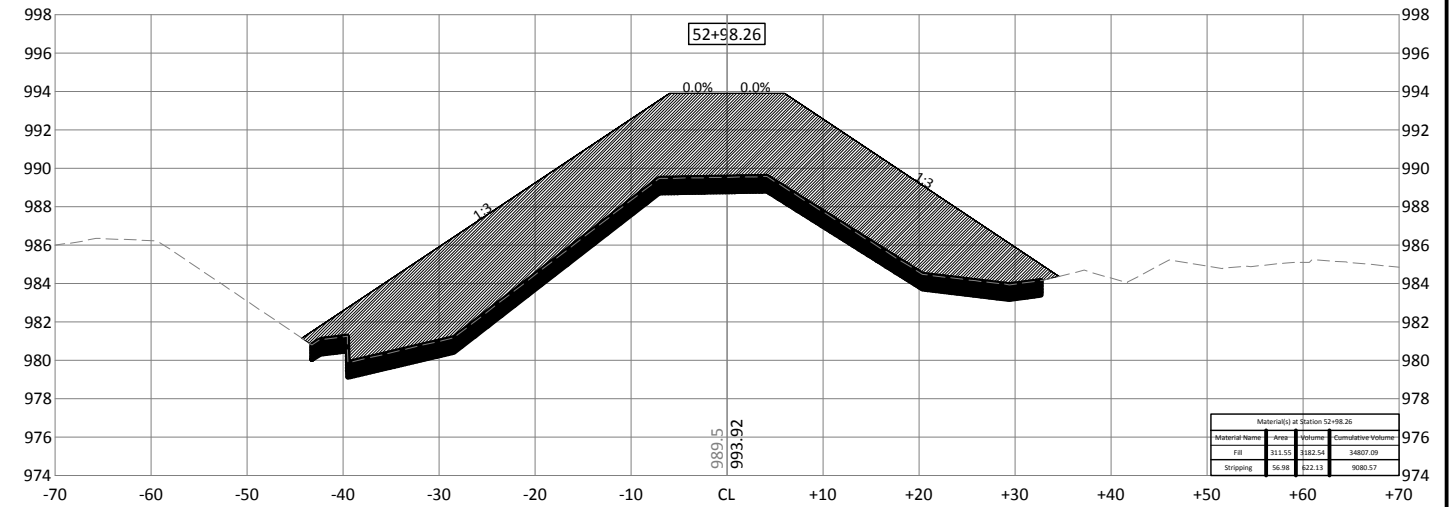
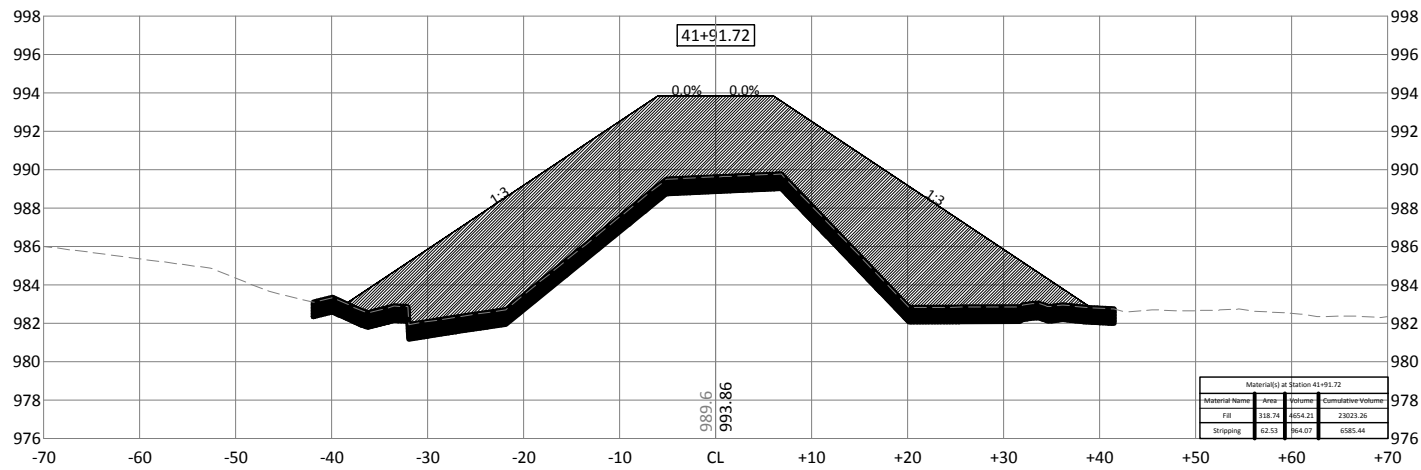
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
PAXTON LEVEE CROSS SECTION

SHEET  
XP.1



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\PROJECTS\2018\2018011254\CORR\_2\_Quantity.dwg 5/21/2018 2:43:45 PM



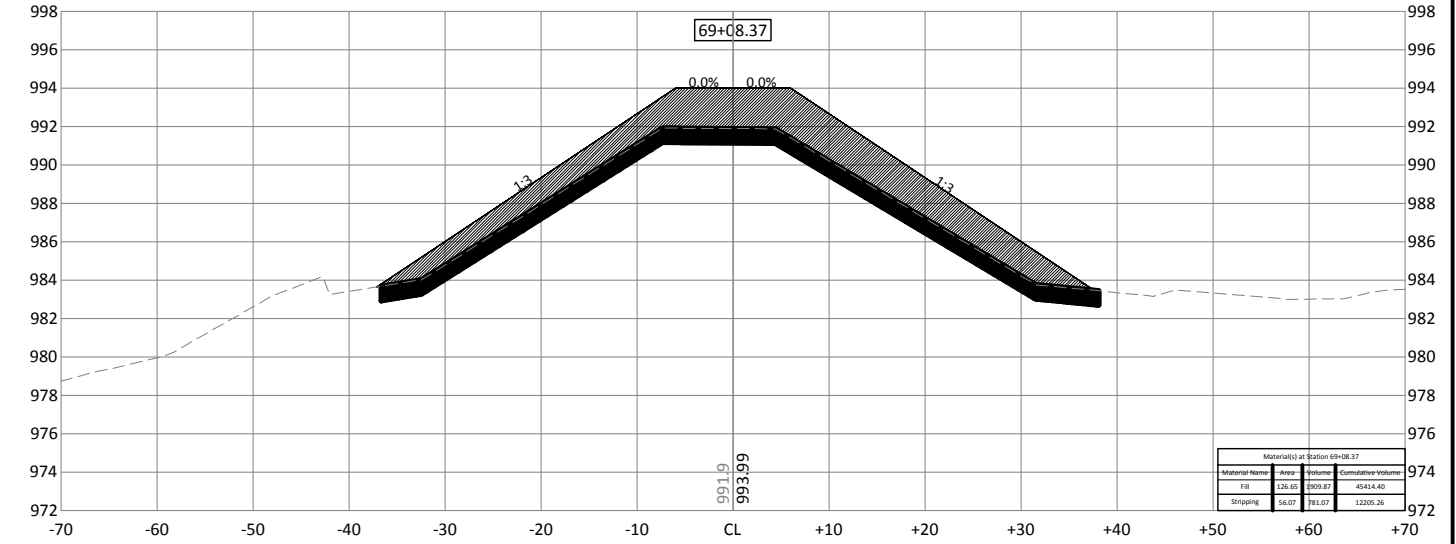
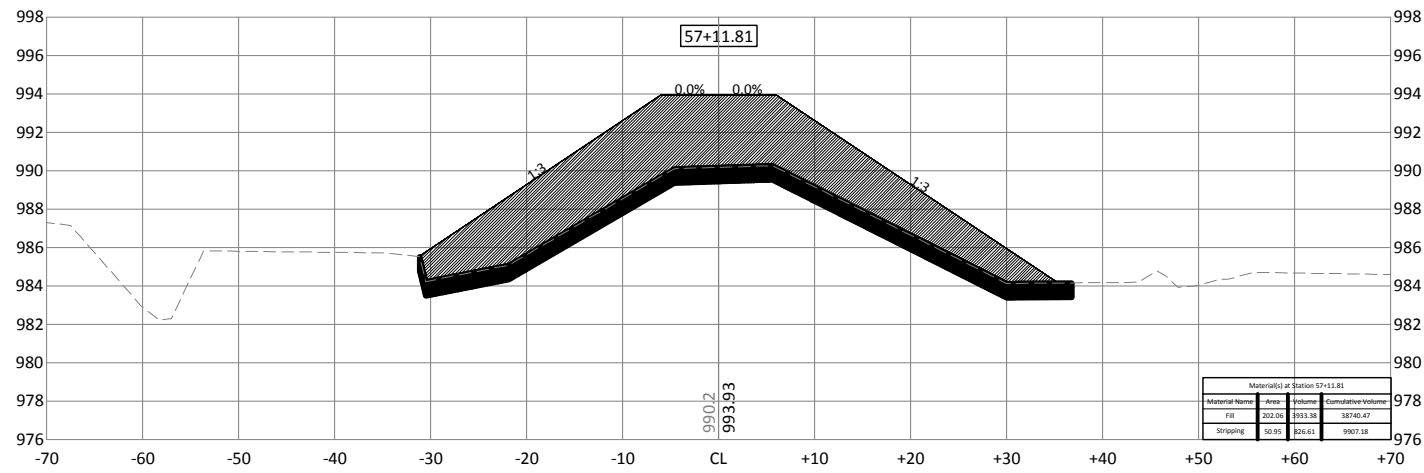
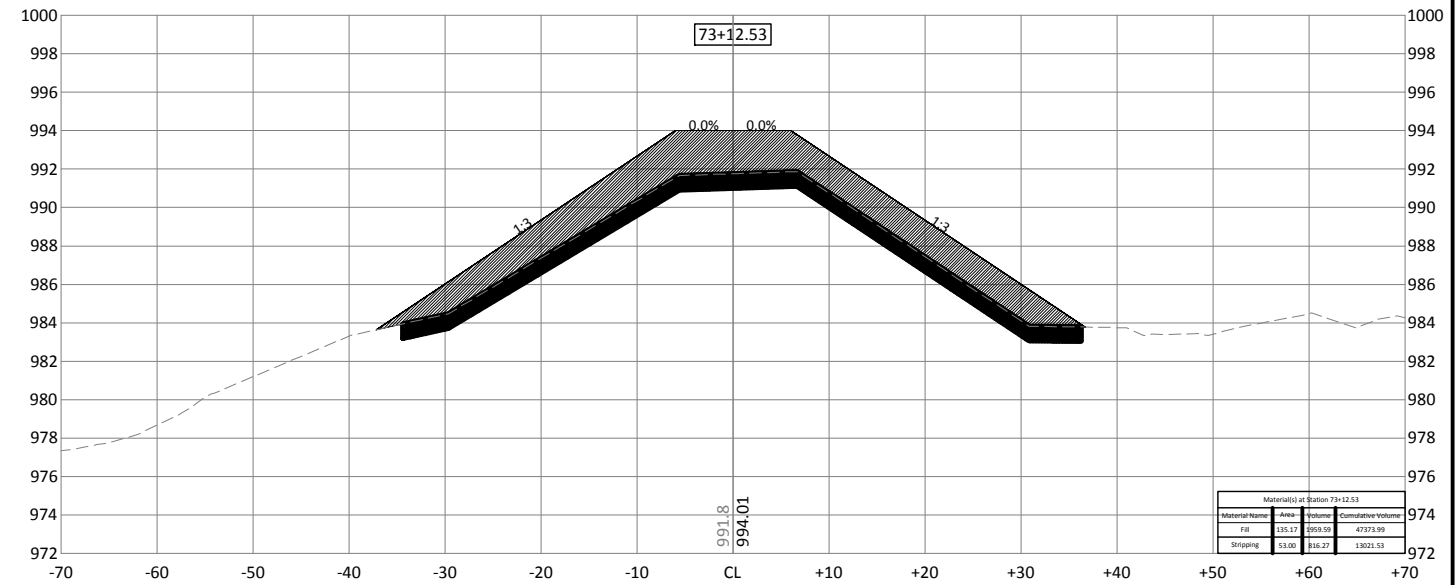
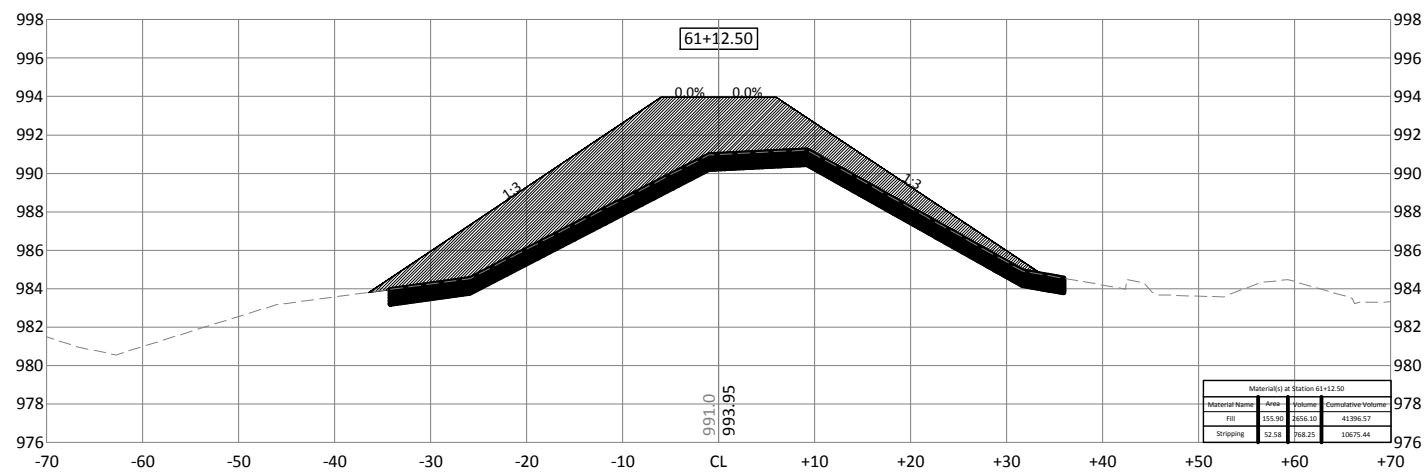
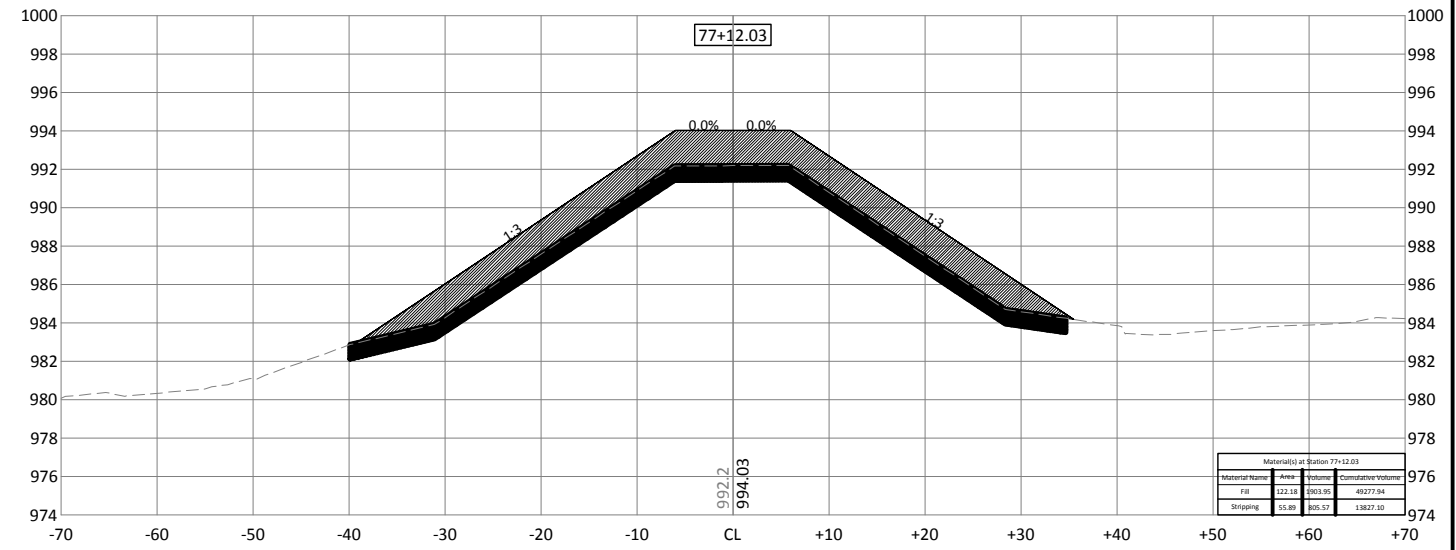
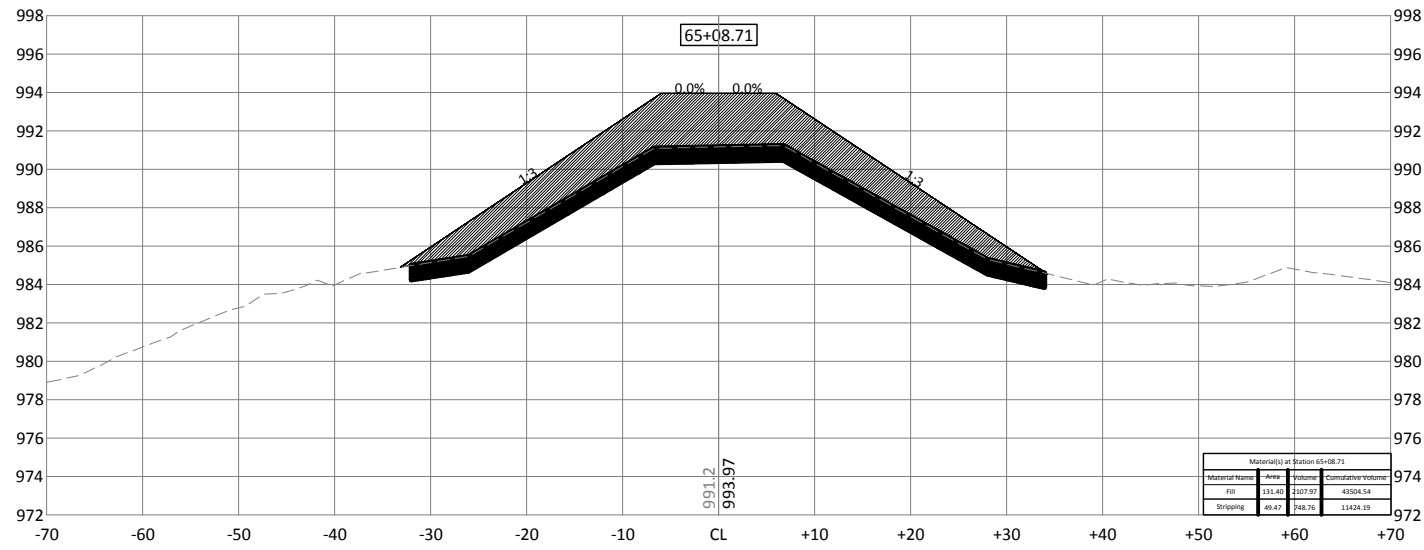
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
PAXTON LEVEE CROSS SECTION

SHEET  
XP.2

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-101211254\CD\111254\_C\_CDR\_2\_Quantity.dwg 5/21/2018 2:44:10 PM



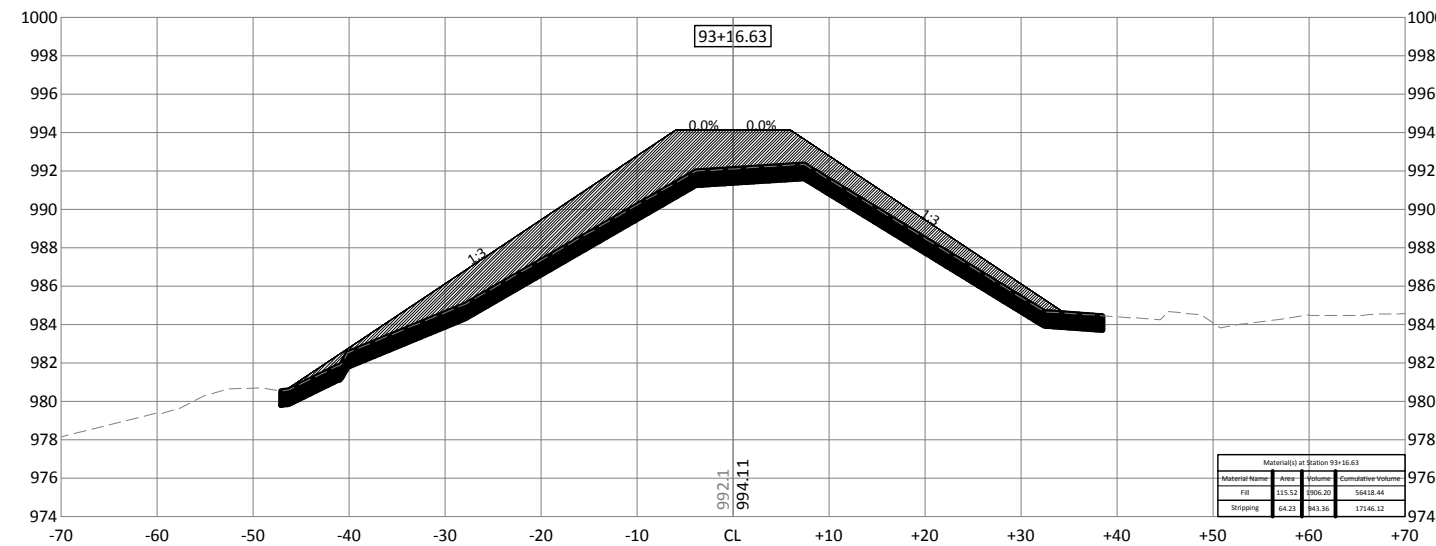
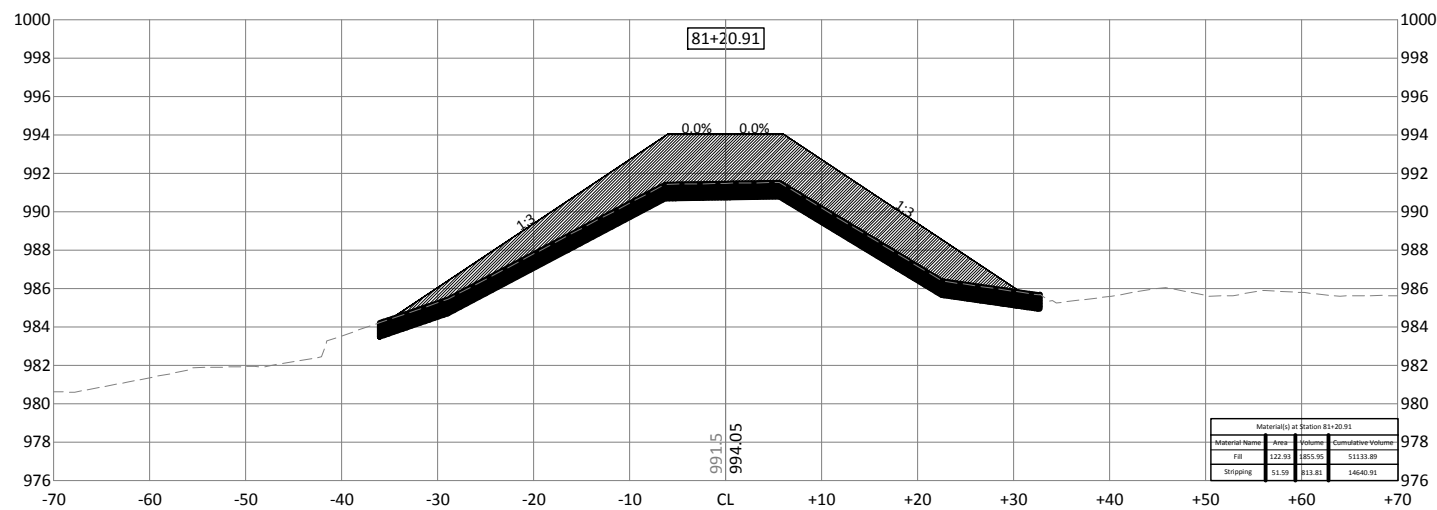
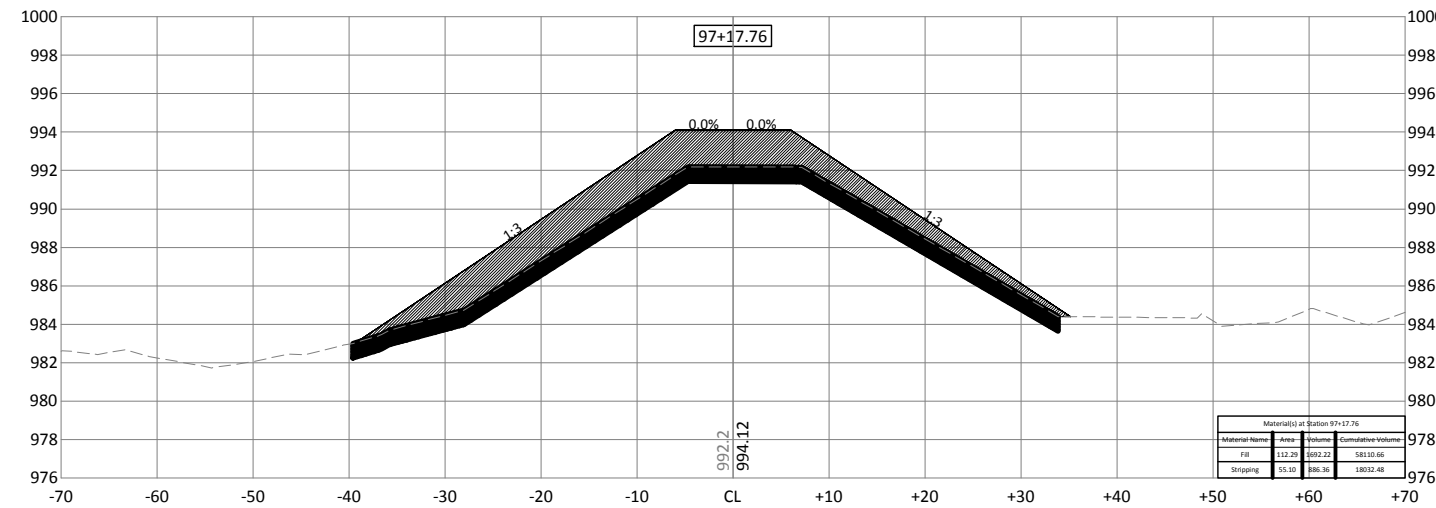
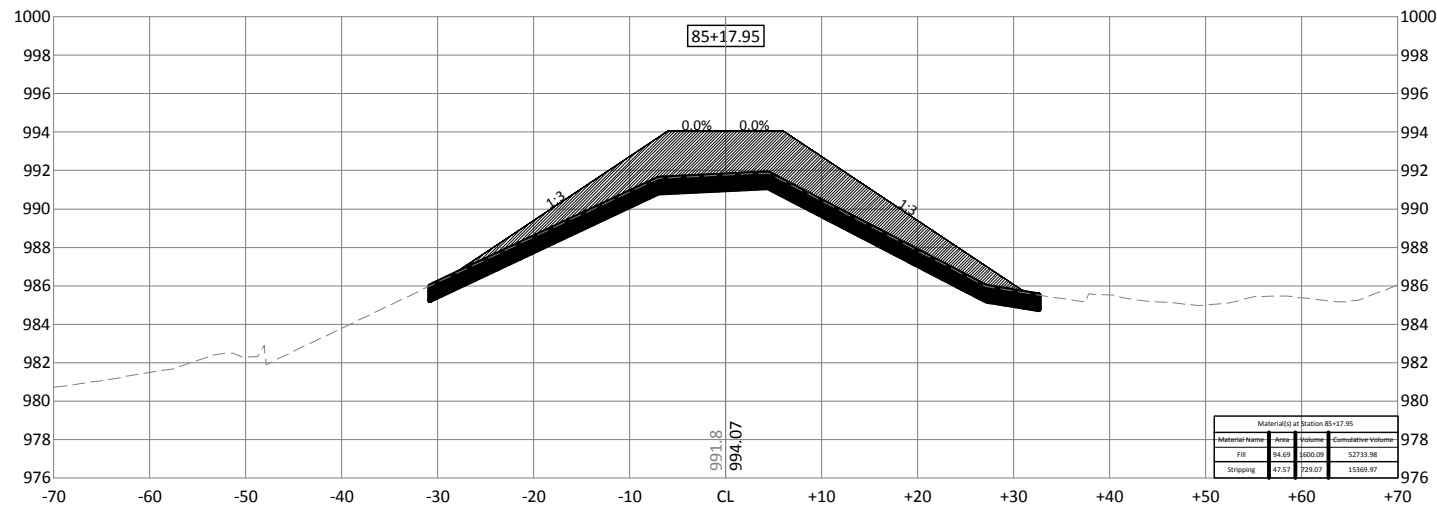
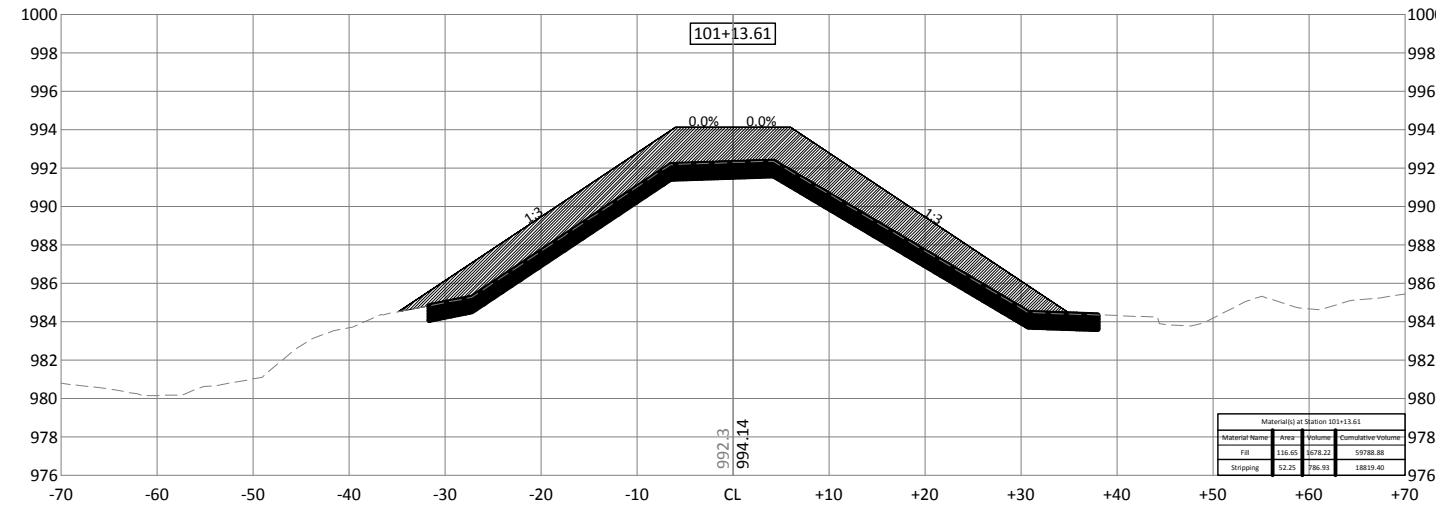
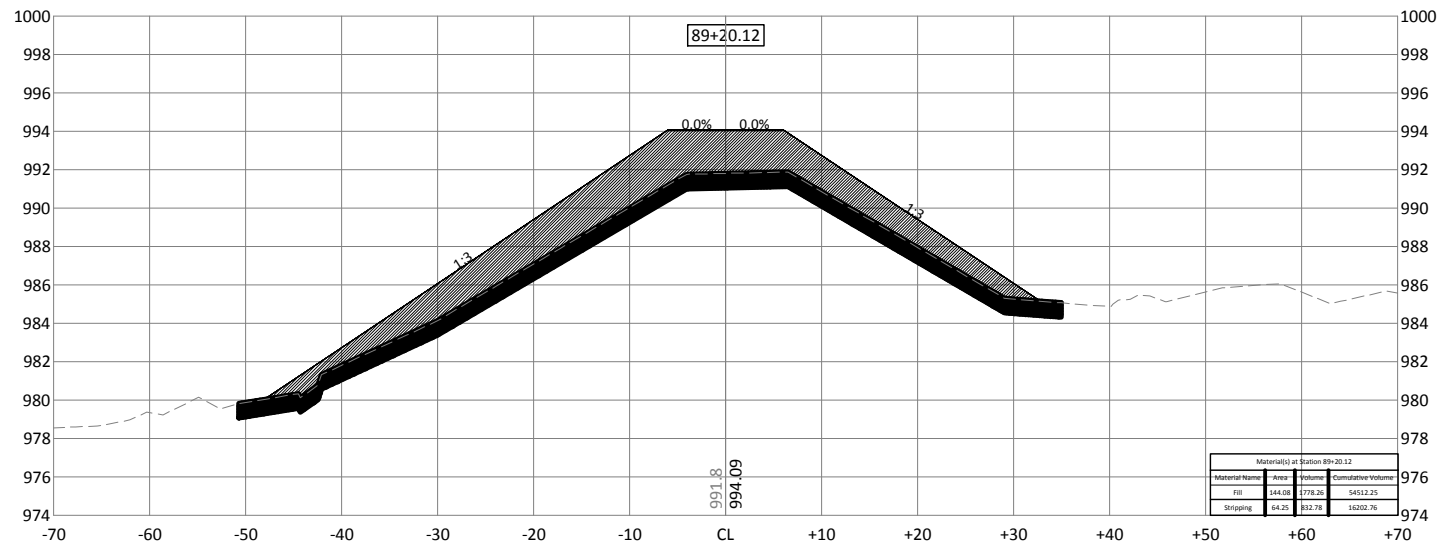
300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
PAXTON LEVEE CROSS SECTION

SHEET  
XP.3





© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-1121254\CD\1121254\_C\_COBR\_2\_Quantity.dwg 5/21/2018 2:44:35 PM

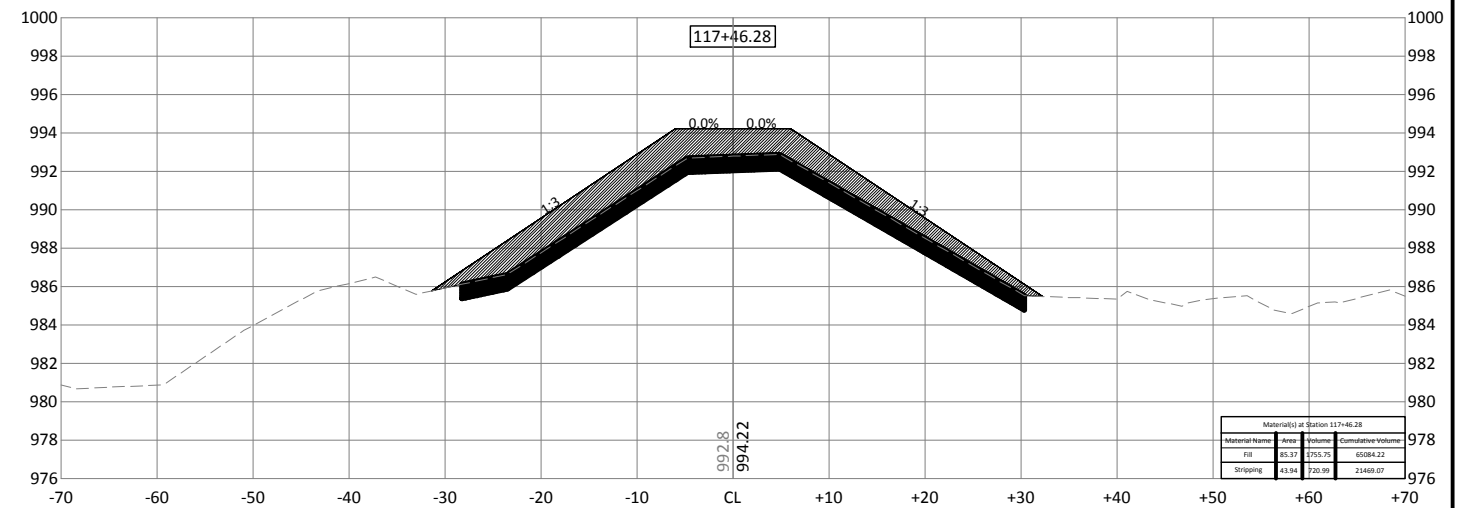
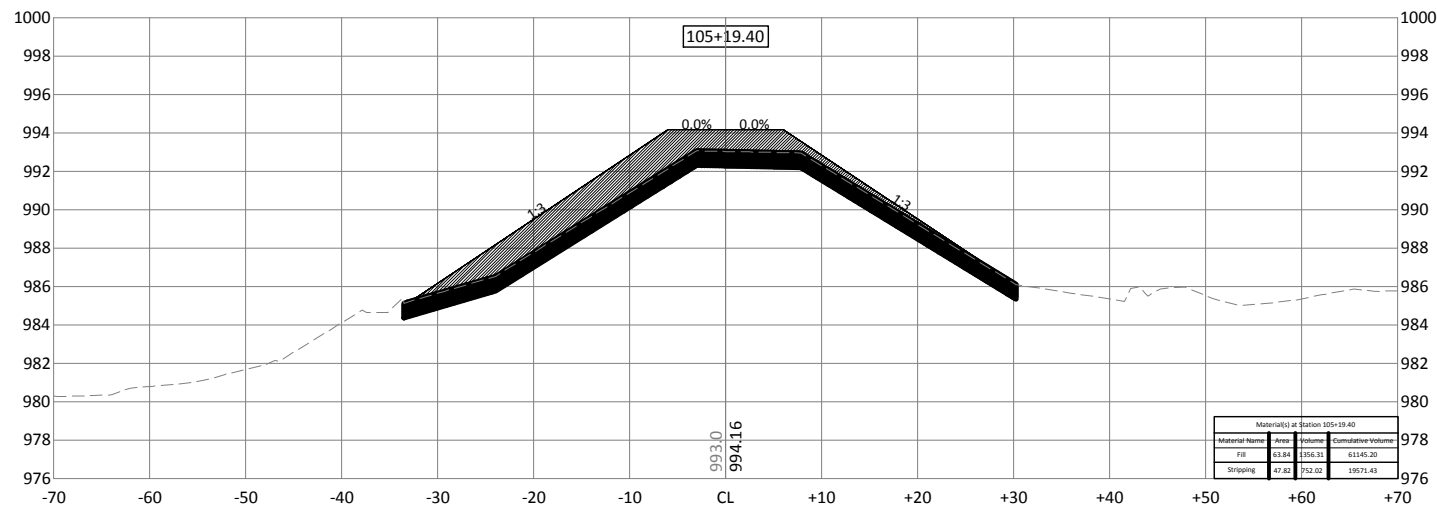
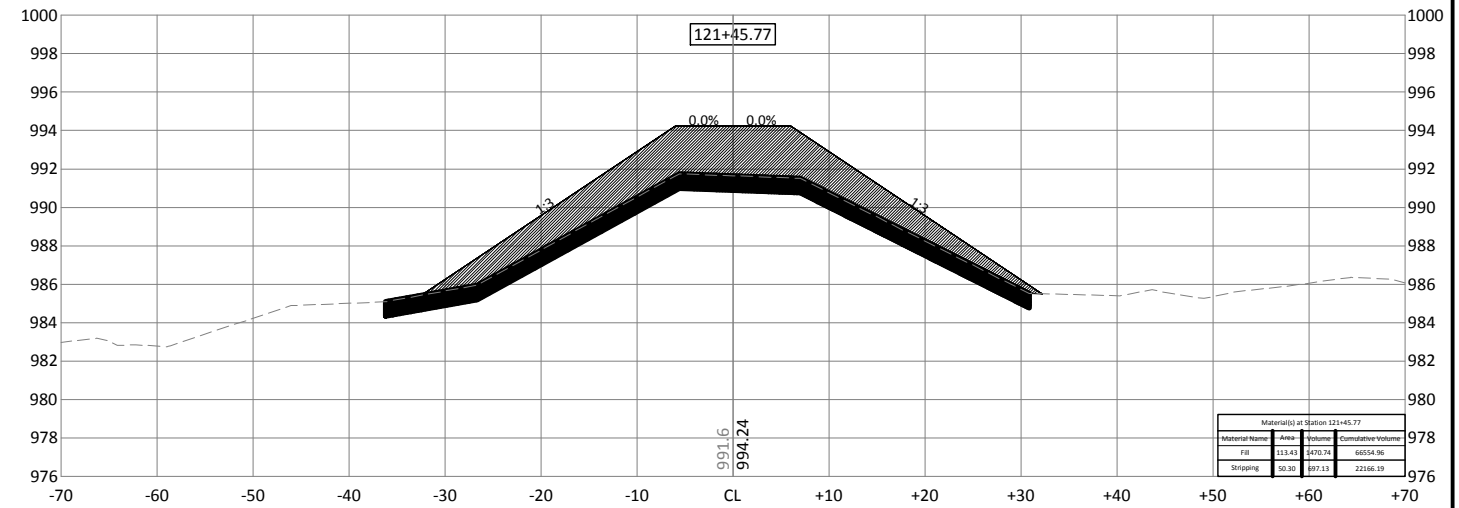
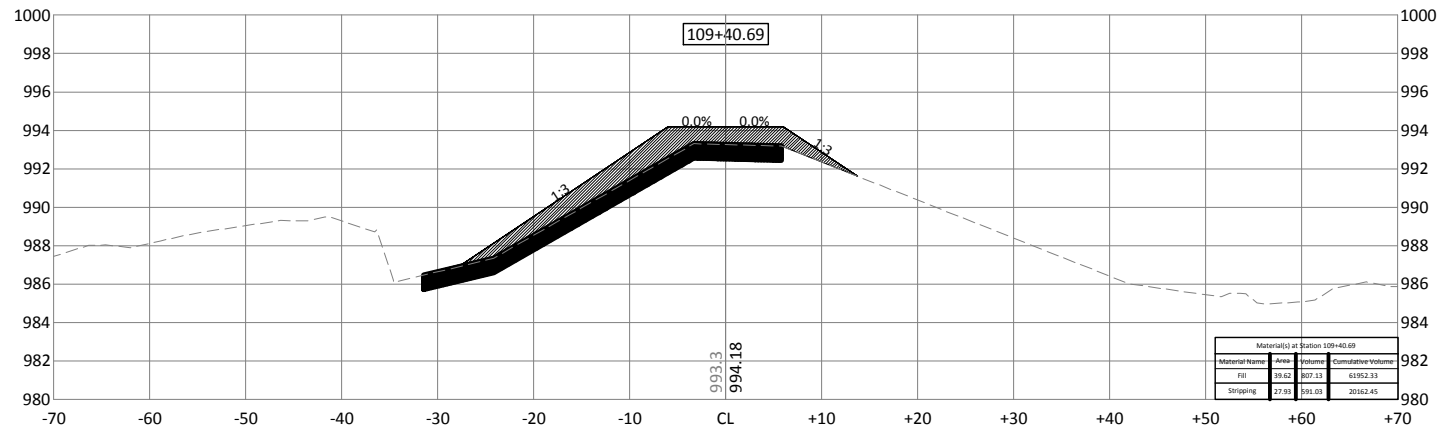
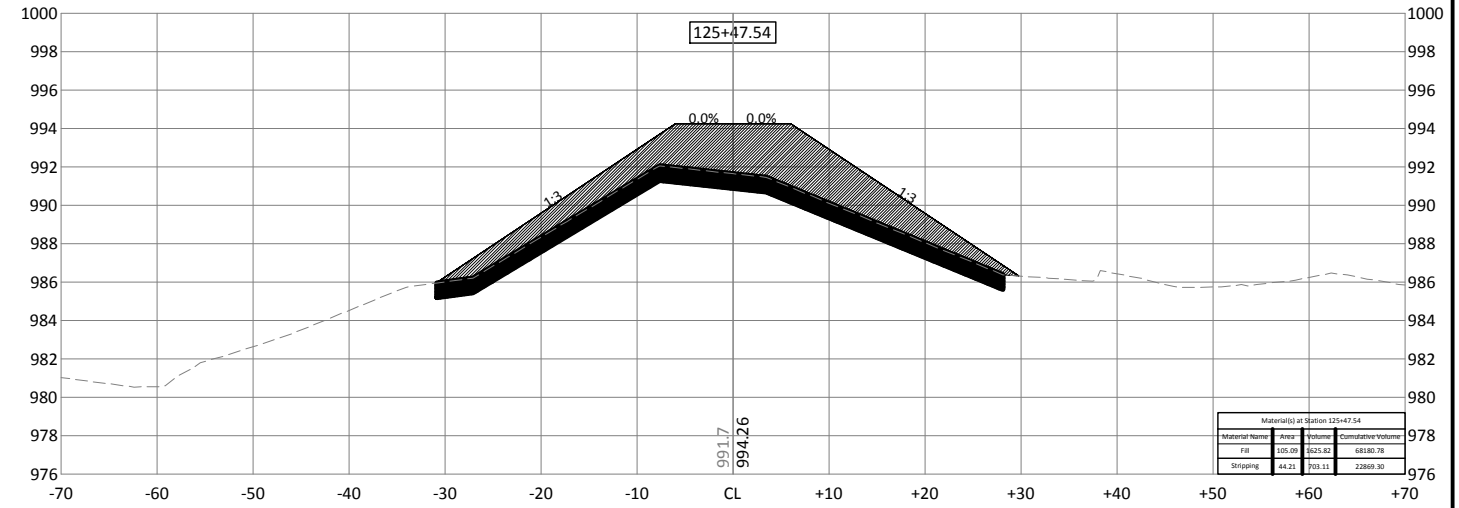
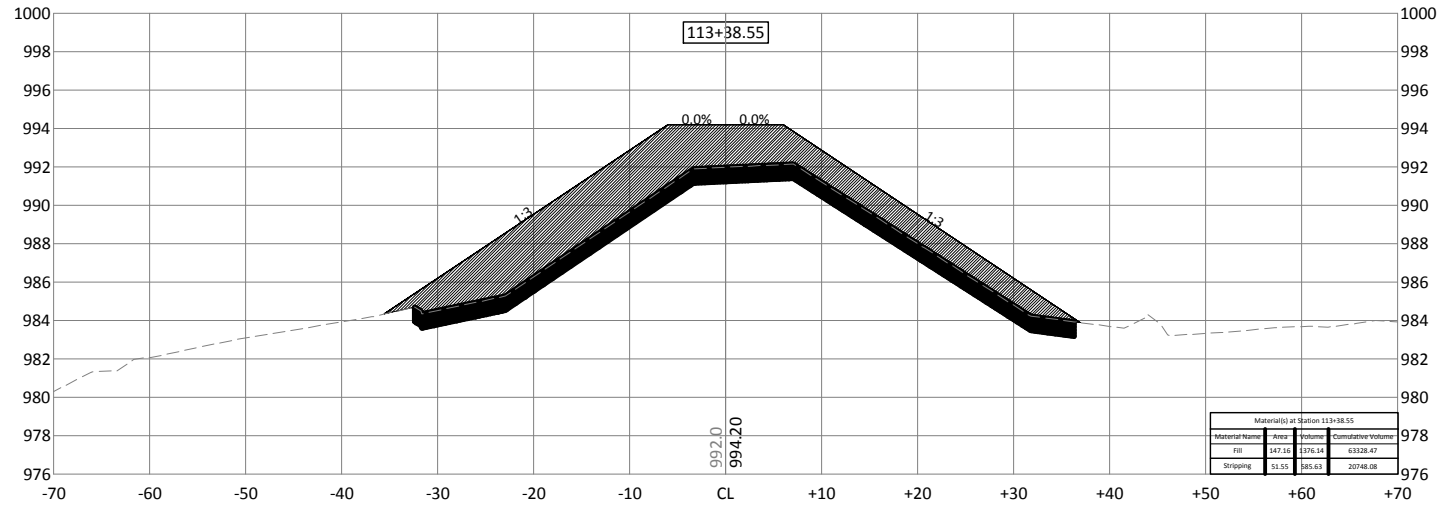


300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: Jefferson@bolton-menk.com  
www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
PAXTON LEVEE CROSS SECTION

SHEET  
XP.4



© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMIE\CO-14\1211254\CORR\_2\_Quantity.dwg 5/21/2018 2:44:59 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

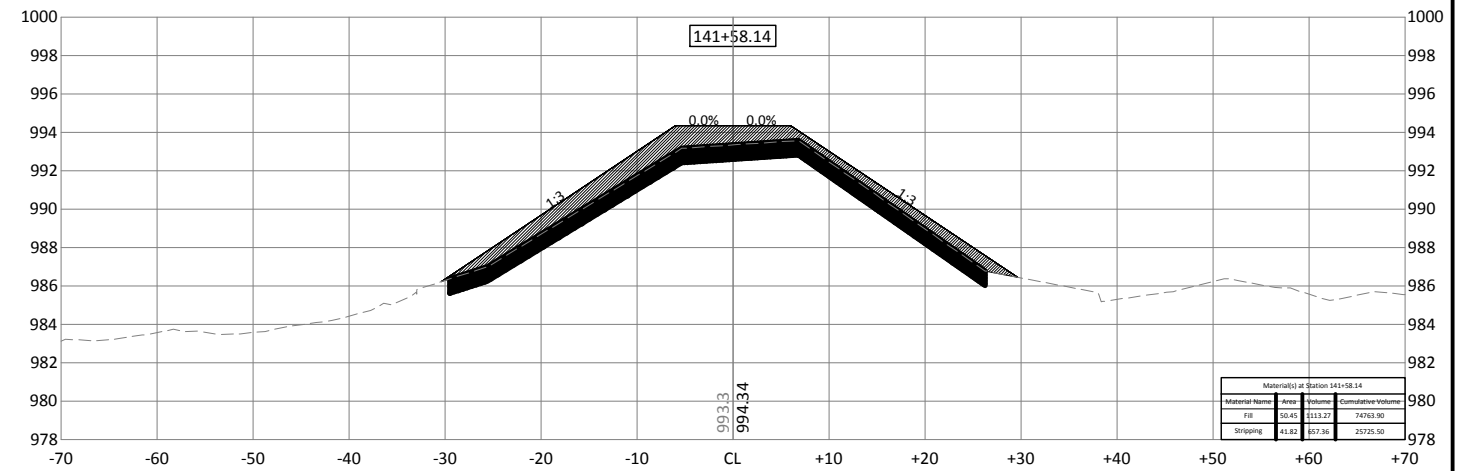
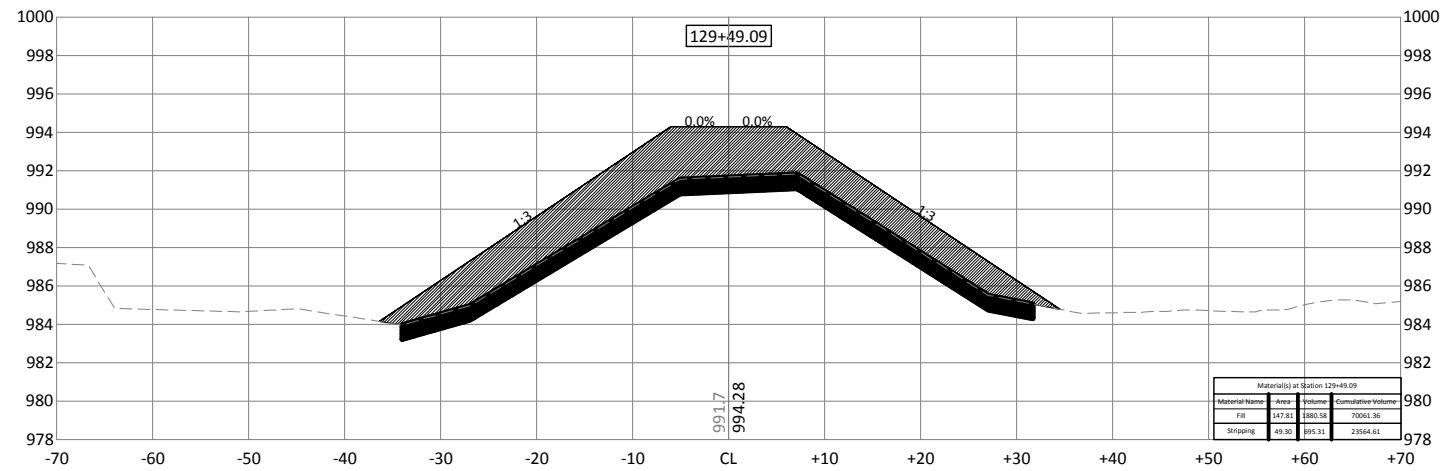
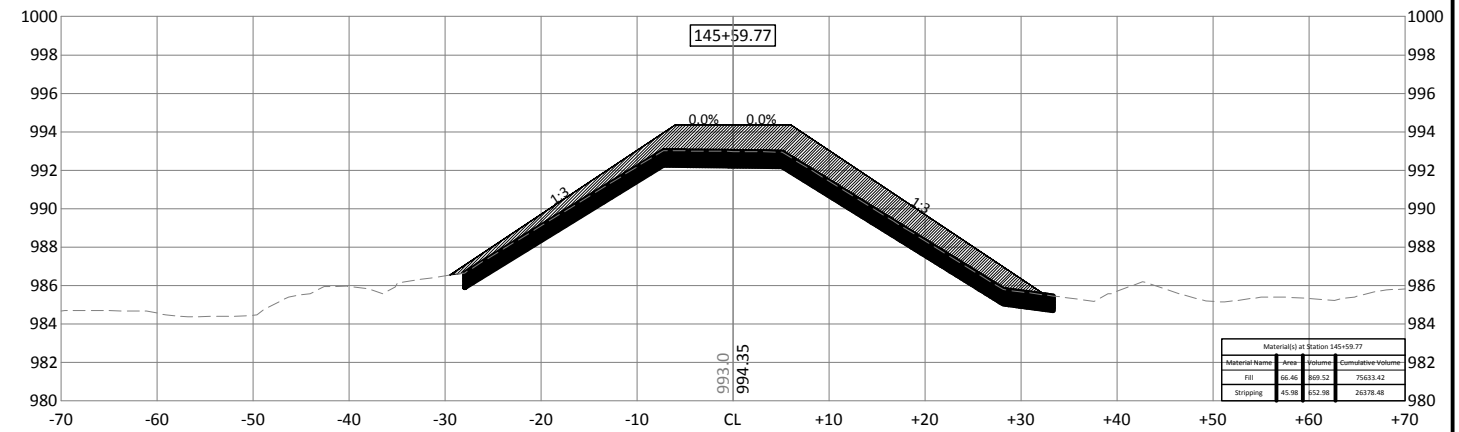
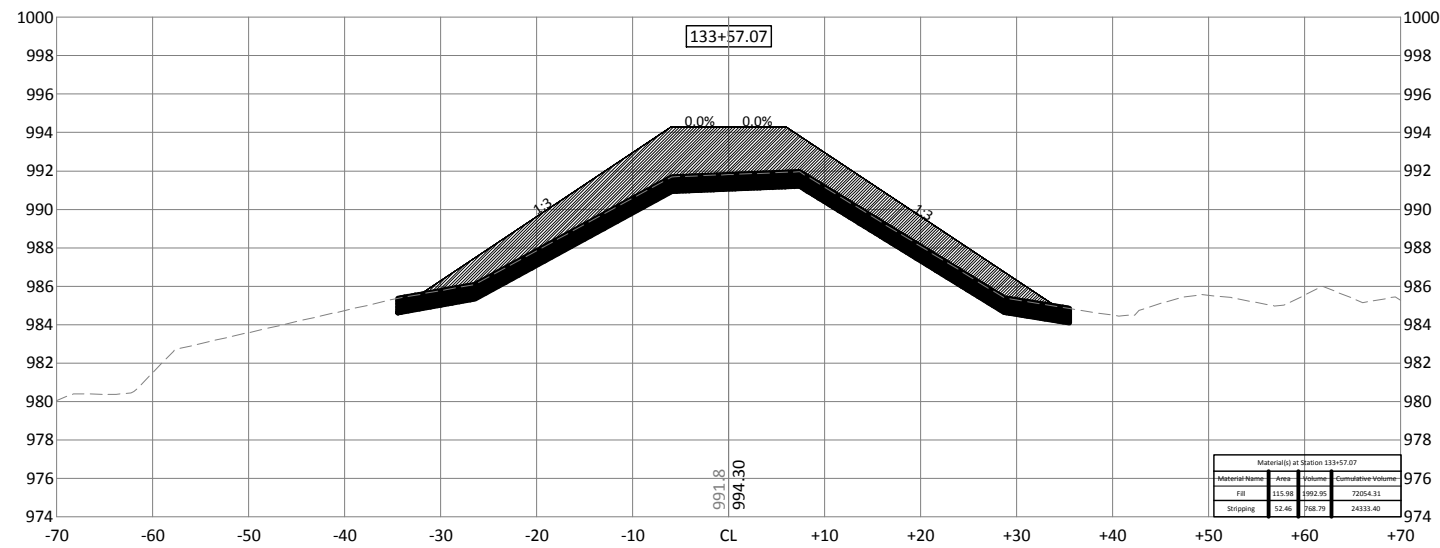
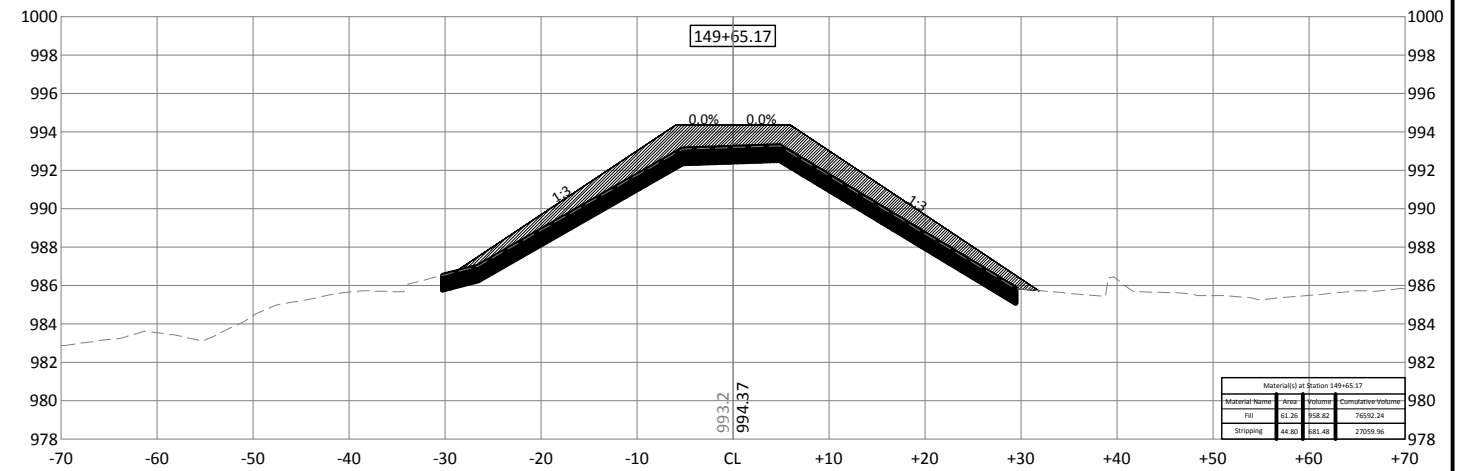
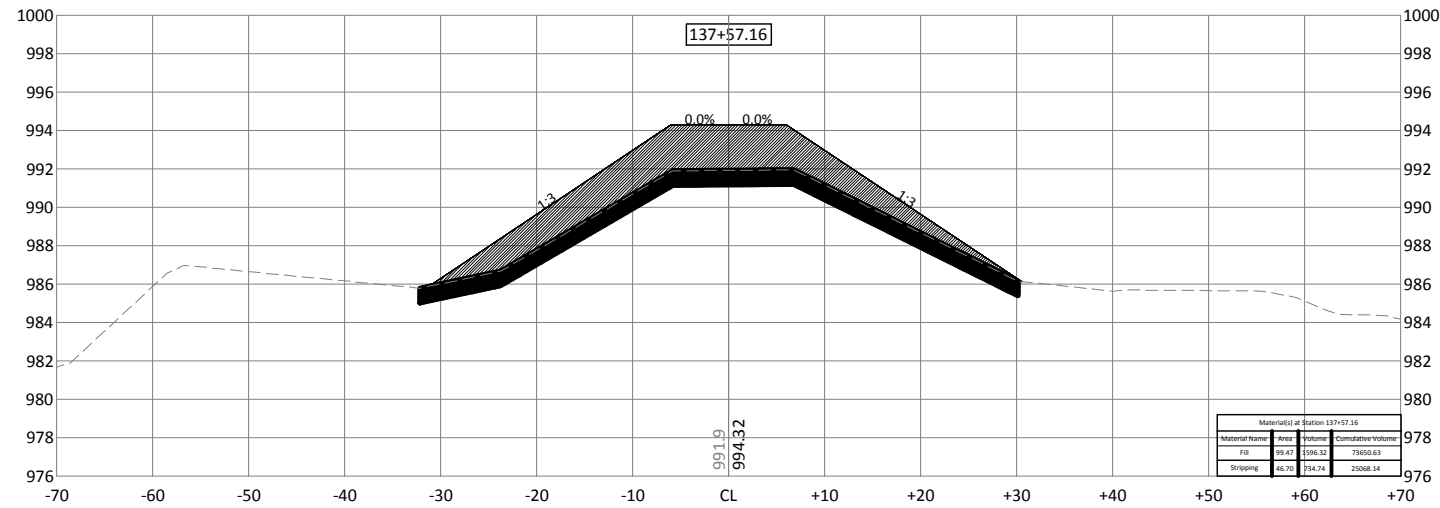
DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO. P12.111254			

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
PAXTON LEVEE CROSS SECTION

SHEET  
XP.5



© Bolton & Menk, Inc. 2018. All Rights Reserved.  
 P:\POTAWATTAMIE CO\1211254\CD\1211254\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:45:24 PM



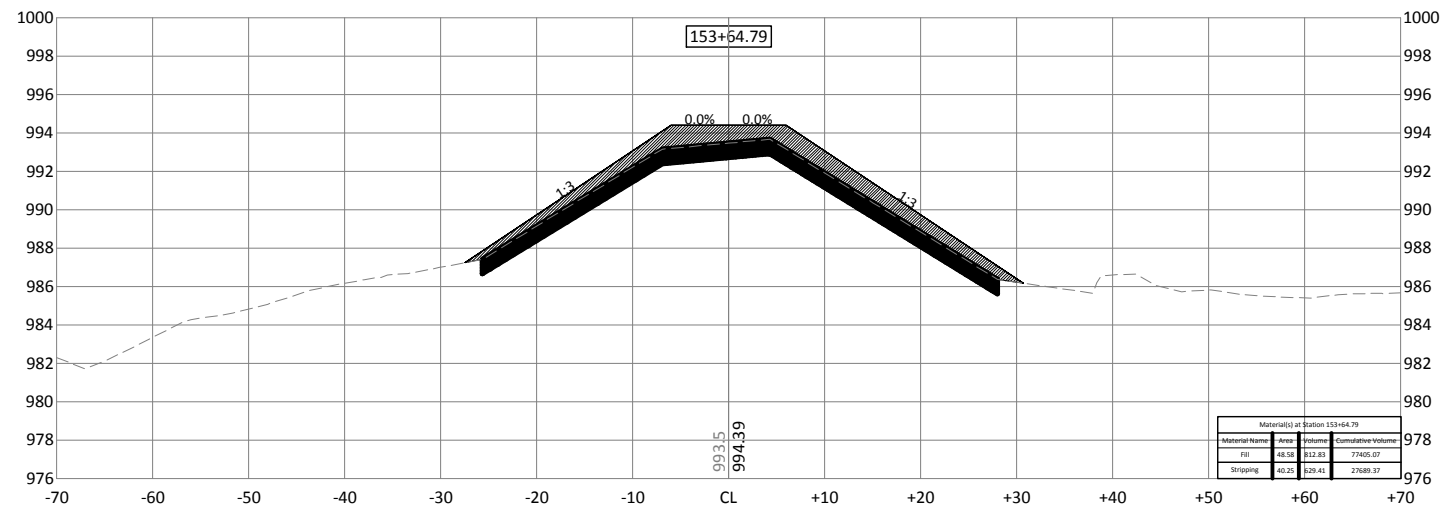
300 WEST MCKINLEY ST, P.O. BOX 68  
 JEFFERSON, IOWA 50129  
 Phone: (515) 386-4101  
 Email: jefferson@bolton-menk.com  
 www.bolton-menk.com

DESIGNED	NO.	REVISION	DATE
JPR			
JPR			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
 DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
 PAXTON LEVEE CROSS SECTION

SHEET  
 XP.6

© Bolton & Menk, Inc. 2018. All Rights Reserved. P:\POTAWATTAMI\_CO\_IA\12.11.25\12.11.25\_C\_CDRR\_2\_Quantity.dwg 5/21/2018 2:45:48 PM



300 WEST MCKINLEY ST, P.O. BOX 68  
JEFFERSON, IOWA 50129  
Phone: (515) 386-4101  
Email: [Jefferson@bolton-menk.com](mailto:Jefferson@bolton-menk.com)  
[www.bolton-menk.com](http://www.bolton-menk.com)

DESIGNED	NO.	REVISION	DATE
JPR			
DRAWN			
JPR			
CHECKED			
DDE			
CLIENT PROJ. NO.	P12.111254		

PIGEON CREEK DRAINAGE DISTRICT POTTAWATTAMIE COUNTY, IOWA  
DRAINAGE DISTRICT NO. 2 FACILITY RECORDS  
PAXTON LEVEE CROSS SECTION

SHEET  
XP.7