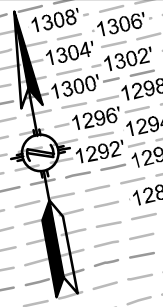
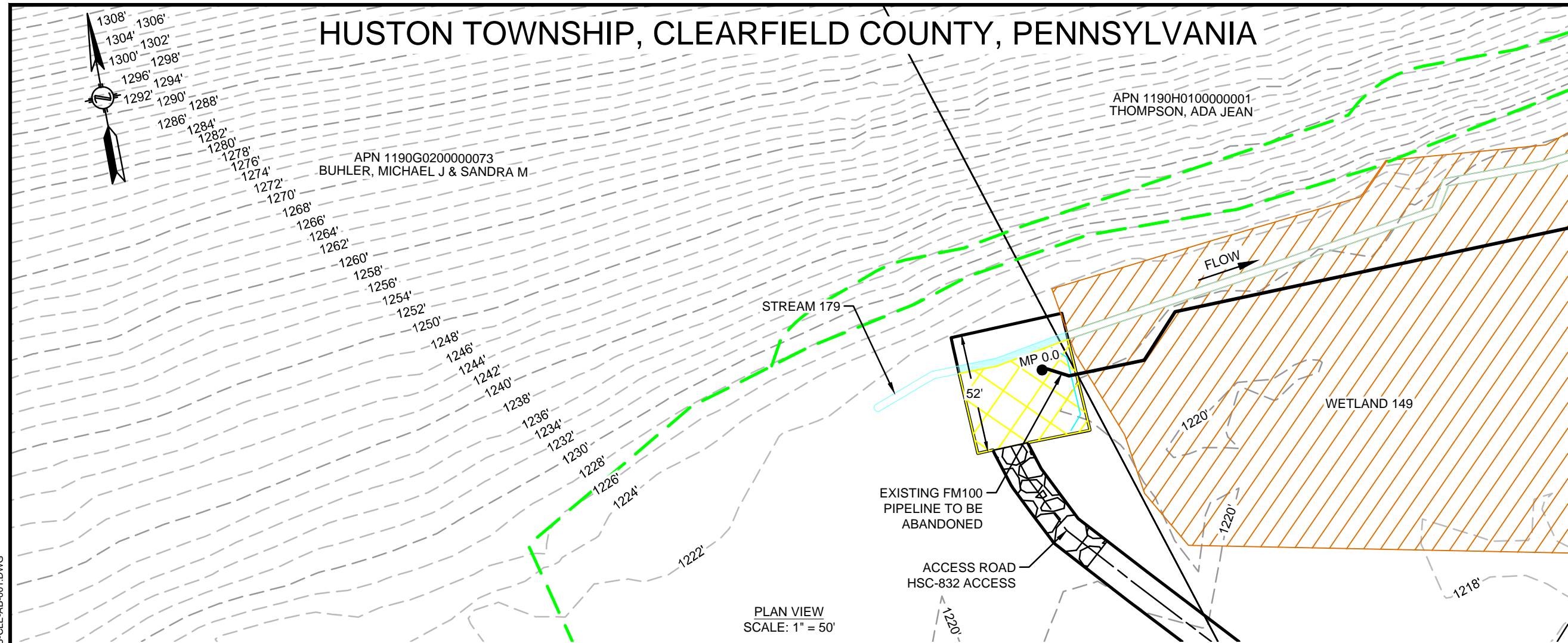


HUSTON TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA

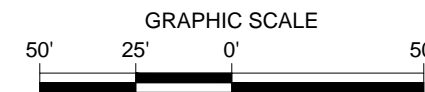


APN 1190G0200000073
BUHLER, MICHAEL J & SANDRA M

APN 1190H0100000001
THOMPSON, ADA JEAN



PLAN VIEW
SCALE: 1" = 50'



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	FLOODWAY	WETLAND	WATERCOURSE CHANNEL	FLOODWAY		
WETLAND 149	WATERBODY	-	0.004	-	-	-	-	N/A - WORKSPACE	N/A
STREAM 179	WATERBODY	-	-	-	-	-	-	-	-

REFER TO DWG WSS-CLE-AB-002 FOR IMPACT ACREAGES

9/4/2020 11:51 AM: HECTOR MORALES G:\NATIONAL FUEL GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFICS\WSS-CLE-AB-001.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

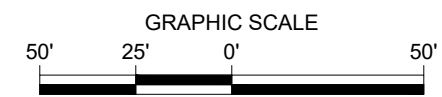
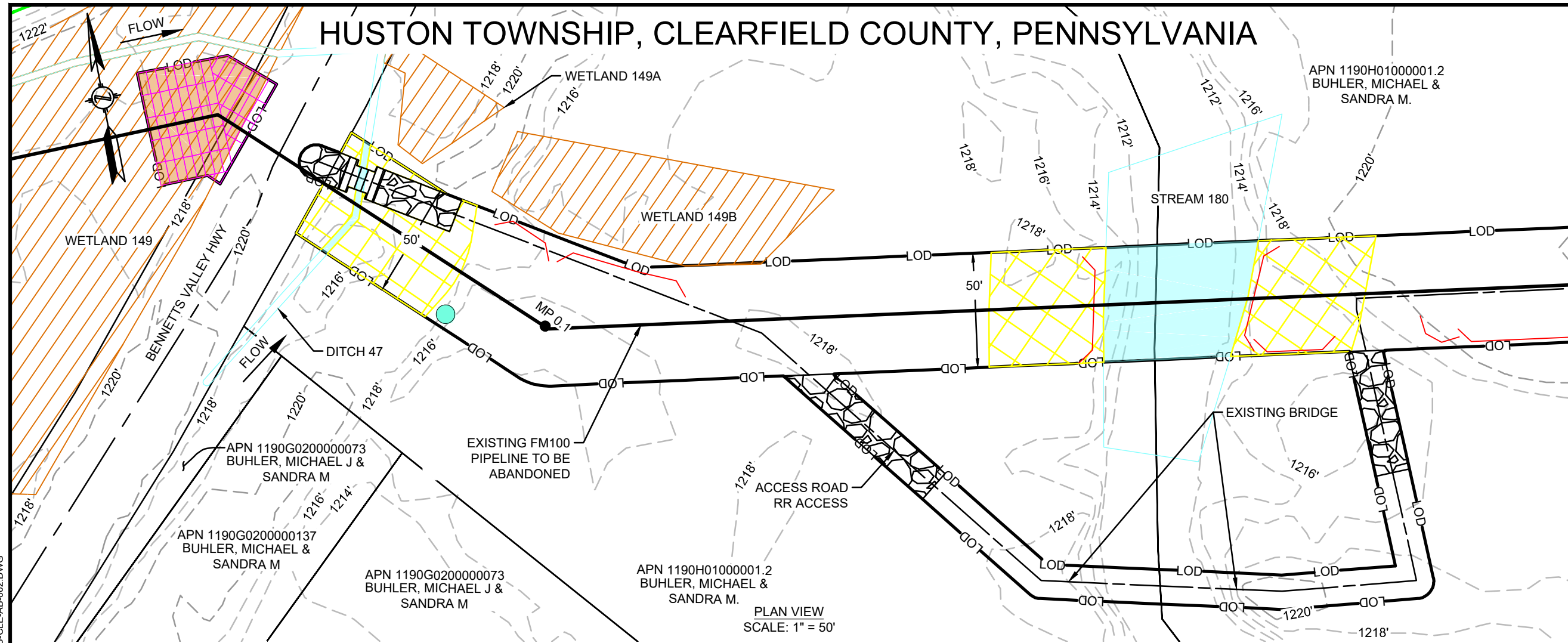
PREPARED BY:

M M
MOTT MACDONALD

111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED HUSTON TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA M.P. 0.0		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CLE-AB-001	B

HUSTON TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE FLOODWAY		
WETLAND 149	WETLAND	0.047	-	0.008	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT
WETLAND 149B	WETLAND	<0.001	-	-	-	N/A - WORKSPACE	N/A
STREAM 180	WATERBODY	-	0.071	-	0.028	ABANDON IN PLACE / ACCESS ROAD / WORKSPACE	N/A
DITCH 47	WATERBODY	-	0.004	-	-	ABANDON IN PLACE / ACCESS ROAD	MAT BRIDGE OR EQUIVALENT

12/17/2020 11:54 AM - HECTOR MORALES
G:\NATIONAL FUEL GAS\3989597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFICS\WSS-CLE-AB-002.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

M M
MOTT MACDONALD

111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED HUSTON TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA M.P. 0.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CLE-AB-002	C

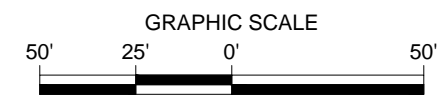
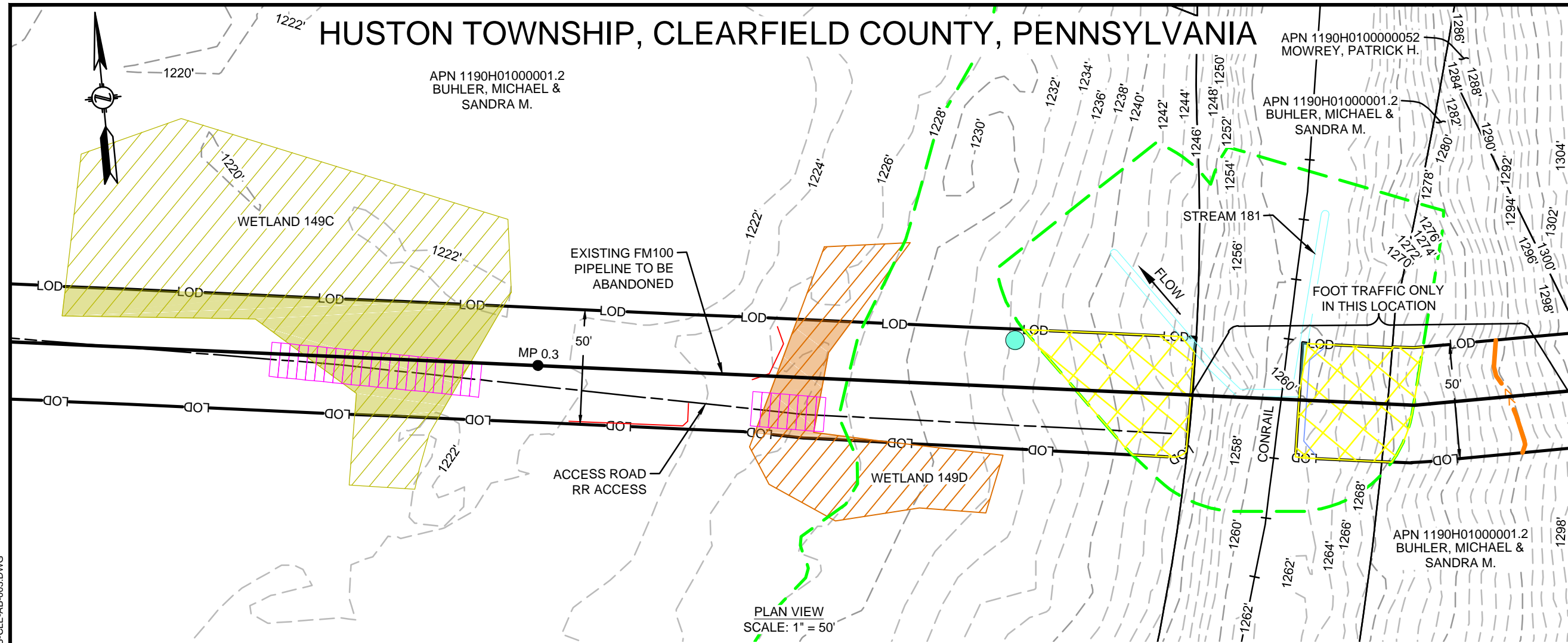
HUSTON TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA

APN 1190H01000001.2
BUHLER, MICHAEL &
SANDRA M.

APN 1190H0100000052
MOWREY, PATRICK H.

APN 1190H01000001.2
BUHLER, MICHAEL &
SANDRA M.

APN 1190H01000001.2
BUHLER, MICHAEL &
SANDRA M.



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
STREAM 181	WATERBODY	-	0.001	-	-	ABANDON IN PLACE, GROUT / ACCESS ROAD / WORKSPACE	N/A
WETLAND 149C	WETLAND	0.104	-	0.002	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT
WETLAND 149D	WETLAND	0.025	-	<0.001	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT

12/17/2020 11:09 AM, HECTOR MORALES G:\NATIONAL FUEL GAS\3988597_FM100_MODERNIZATION_PROJECT\PIPELINE_DRAFTING\WETLAND\WATERSPECIFICS\WSS-CLE-AB-003.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

M M
MOTT MACDONALD

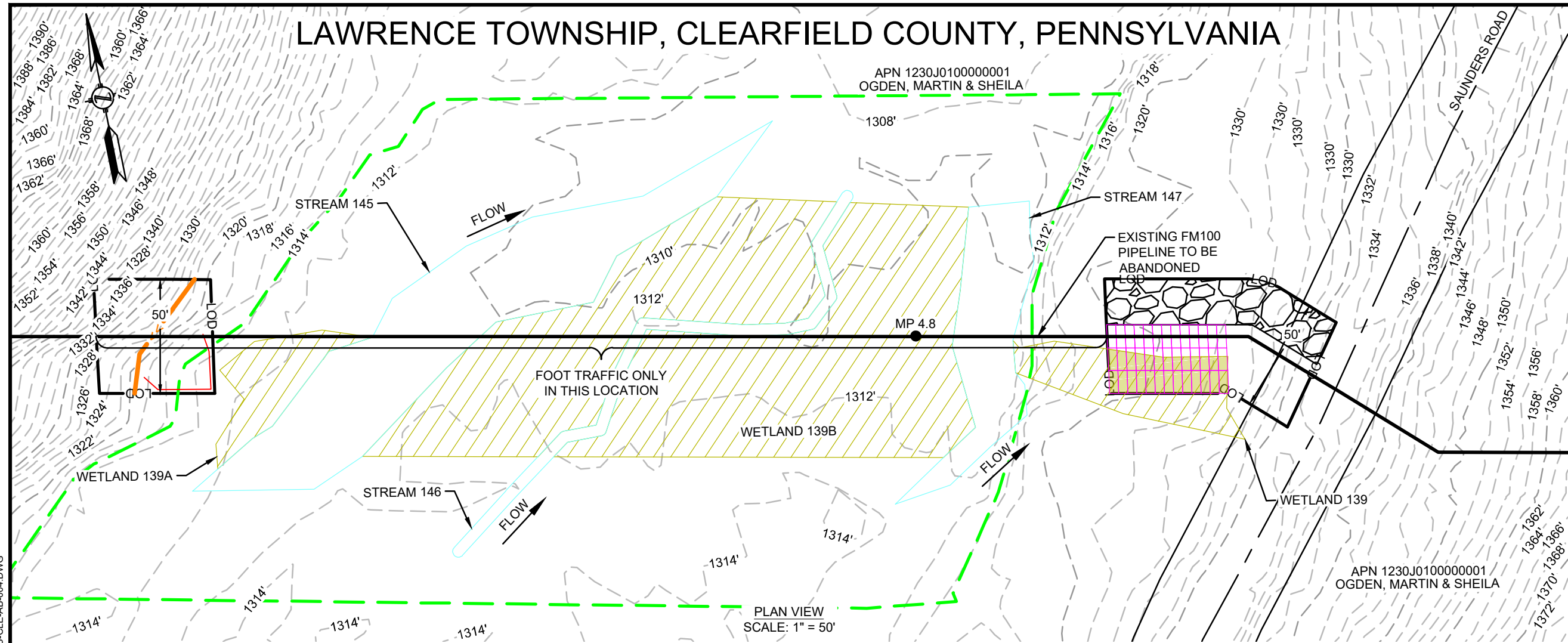
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

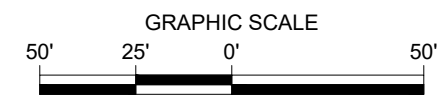
WETLAND & STREAM CROSSING PLAN
EXISTING FM100 PIPELINE TO BE ABANDONED
HUSTON TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA
M.P. 0.3

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CLE-AB-003	C

LAWRENCE TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
STREAM 145	WATERBODY	-	-	0.001	0.001	ABANDON IN PLACE, FOAM	FOOT TRAFFIC ONLY
WETLAND 139	WETLAND	0.020	-	-	-	N/A - WORKSPACE	MAT BRIDGE OR EQUIVALENT



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REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
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B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

M M
MOTT MACDONALD

111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

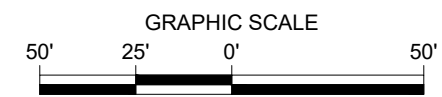
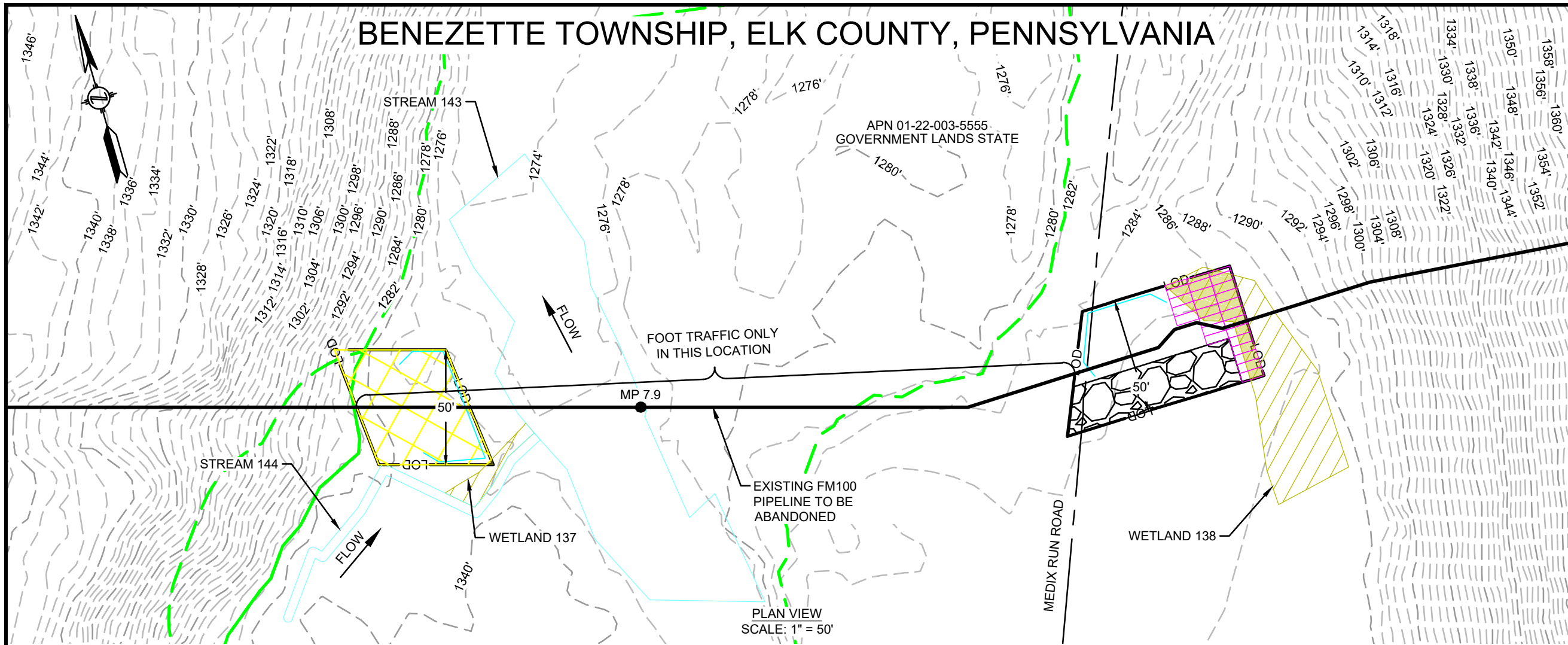
FM100 MODERNIZATION PROJECT

WETLAND & STREAM CROSSING PLAN
EXISTING FM100 PIPELINE TO BE ABANDONED
LAWRENCE TOWNSHIP, CLEARFIELD COUNTY, PENNSYLVANIA
M.P. 4.8

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CLE-AB-004	C

12/17/2020 11:57 AM - HECTOR MORALES
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BENEZETTE TOWNSHIP, ELK COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
STREAM 144	WATERBODY	-	0.002	-	0.001	N/A - WORKSPACE	FOOT TRAFFIC ONLY
WETLAND 137	WETLAND	<0.001	-	-	-	N/A - WORKSPACE	FOOT TRAFFIC ONLY
WETLAND 138	WETLAND	0.015	-	<0.001	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT
STREAM 143	WATERBODY	-	0.050	-	0.004	ABANDON IN PLACE, FOAM	FOOT TRAFFIC ONLY

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
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B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

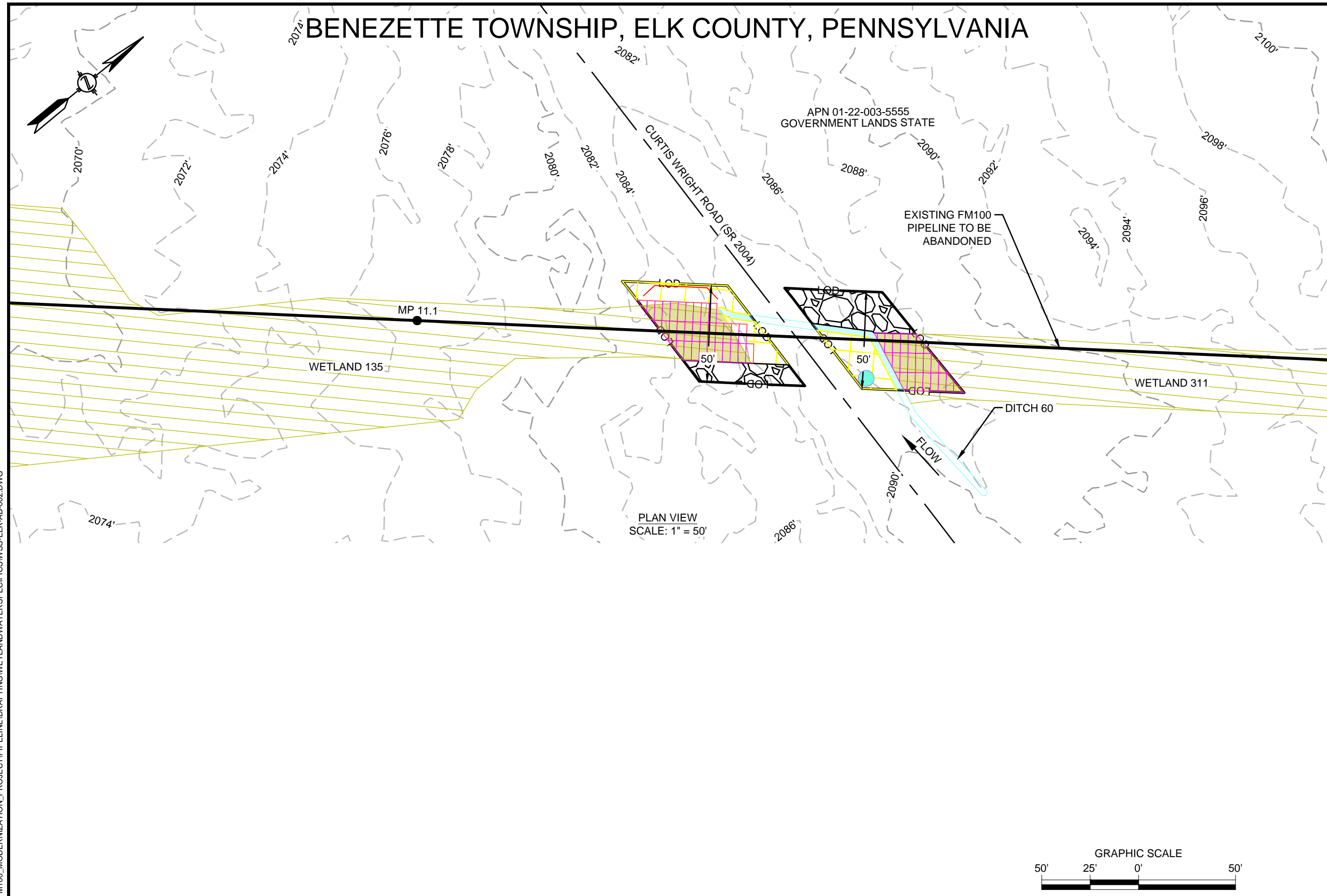
111 WOOD AVENUE
 SOUTH ISELIN, NJ 08830
 UNITED STATES
 973-379-3400
 INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

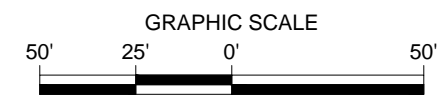
WETLAND & STREAM CROSSING PLAN
 EXISTING FM100 PIPELINE TO BE ABANDONED
 BENEZETTE TOWNSHIP, ELK COUNTY, PENNSYLVANIA
 M.P. 7.9

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-ELK-AB-001	C

BENEZETTE TOWNSHIP, ELK COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
WETLAND 135	WETLAND	0.024	-	0.016	-	ABANDON IN PLACE, GROUT / CUT, CAP & GROUT INSERTION LOCATION	MAT BRIDGE OR EQUIVALENT
DITCH 60	WATERBODY	-	0.006	-	<0.001	ABANDON IN PLACE, GROUT / WORKSPACE	N/A
WETLAND 311	WETLAND	0.017	-	0.013	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT

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REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

M M
MOTT MACDONALD

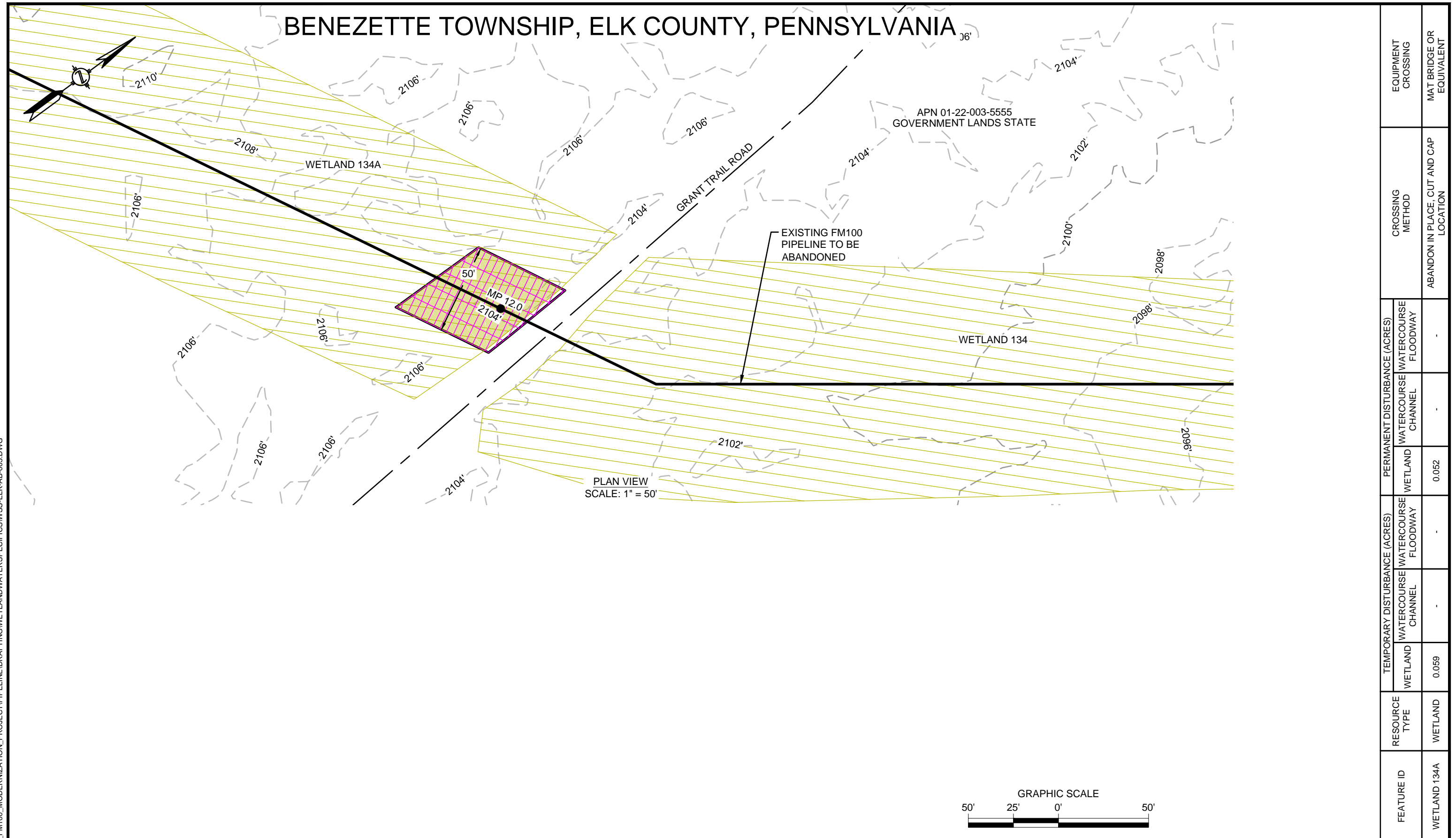
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

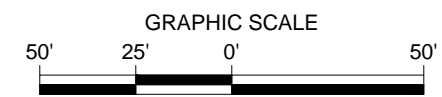
WETLAND & STREAM CROSSING PLAN
EXISTING FM100 PIPELINE TO BE ABANDONED
BENEZETTE TOWNSHIP, ELK COUNTY, PENNSYLVANIA
M.P. 11.1

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-ELK-AB-002	C

BENEZETTE TOWNSHIP, ELK COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



EQUIPMENT CROSSING	MAT BRIDGE OR EQUIVALENT	
	CROSSING METHOD	
PERMANENT DISTURBANCE (ACRES)	WATERCOURSE FLOODWAY	-
	WATERCOURSE CHANNEL	-
TEMPORARY DISTURBANCE (ACRES)	WATERCOURSE FLOODWAY	-
	WATERCOURSE CHANNEL	-
RESOURCE TYPE	WETLAND	0.052
FEATURE ID	WETLAND 134A	0.059
ABANDON IN PLACE, CUT AND CAP LOCATION		

9/4/2020 11:56 AM, HECTOR MORALES
G:\NATIONAL FUEL GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFIC\WSS-ELK-AB-003.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

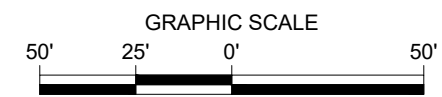
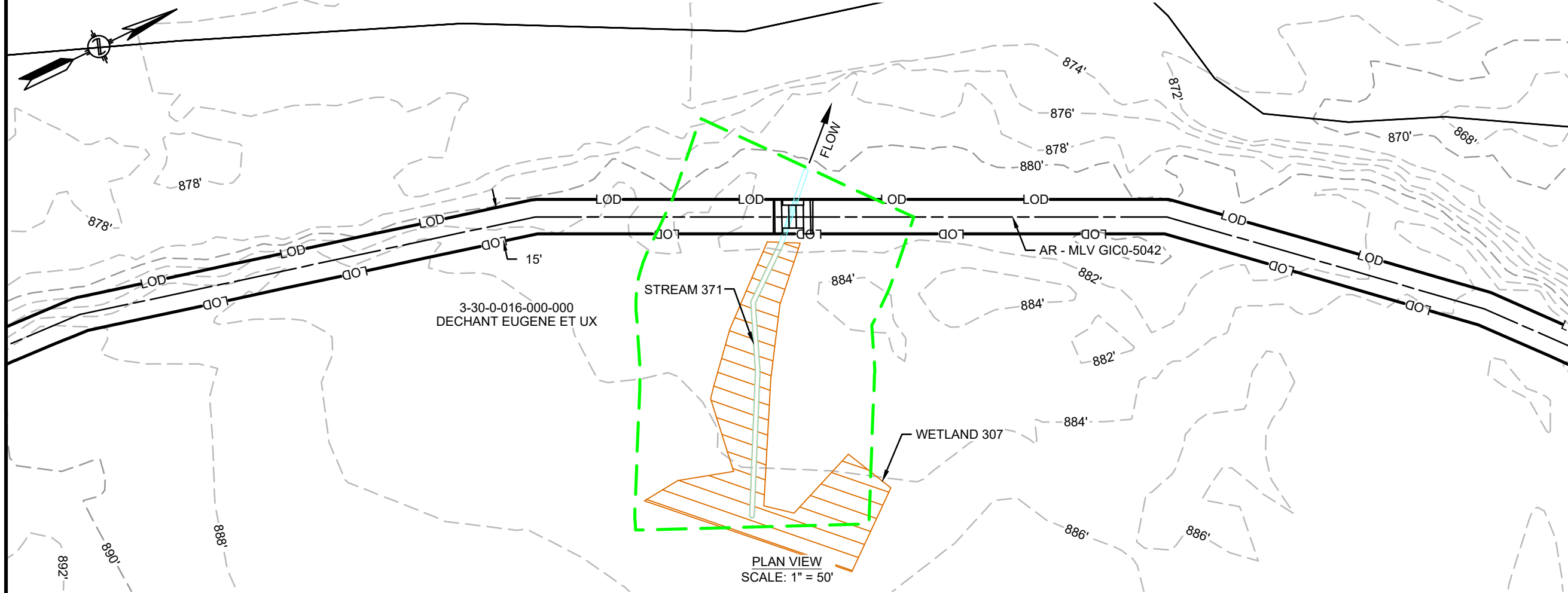
PREPARED BY:

M M
MOTT MACDONALD

111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED BENEZETTE TOWNSHIP, ELK COUNTY, PENNSYLVANIA M.P. 12.0		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-ELK-AB-003	B

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



EQUIPMENT CROSSING	MAT BRIDGE OR EQUIVALENT	
	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	
CROSSING METHOD	-	
	-	
PERMANENT DISTURBANCE (ACRES)	WATERCOURSE CHANNEL	-
	WATERCOURSE FLOODWAY	-
TEMPORARY DISTURBANCE (ACRES)	WATERCOURSE CHANNEL	0.001
	WATERCOURSE FLOODWAY	0.035
RESOURCE TYPE	WETLAND	-
	WATERBODY	-
FEATURE ID	STREAM 371	

12/16/2020 11:05 AM - HECTOR MORALES G:\NATIONAL FUEL\GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFIC\WSS-CAM-AB-001.1.DWG

REVISIONS					
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A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

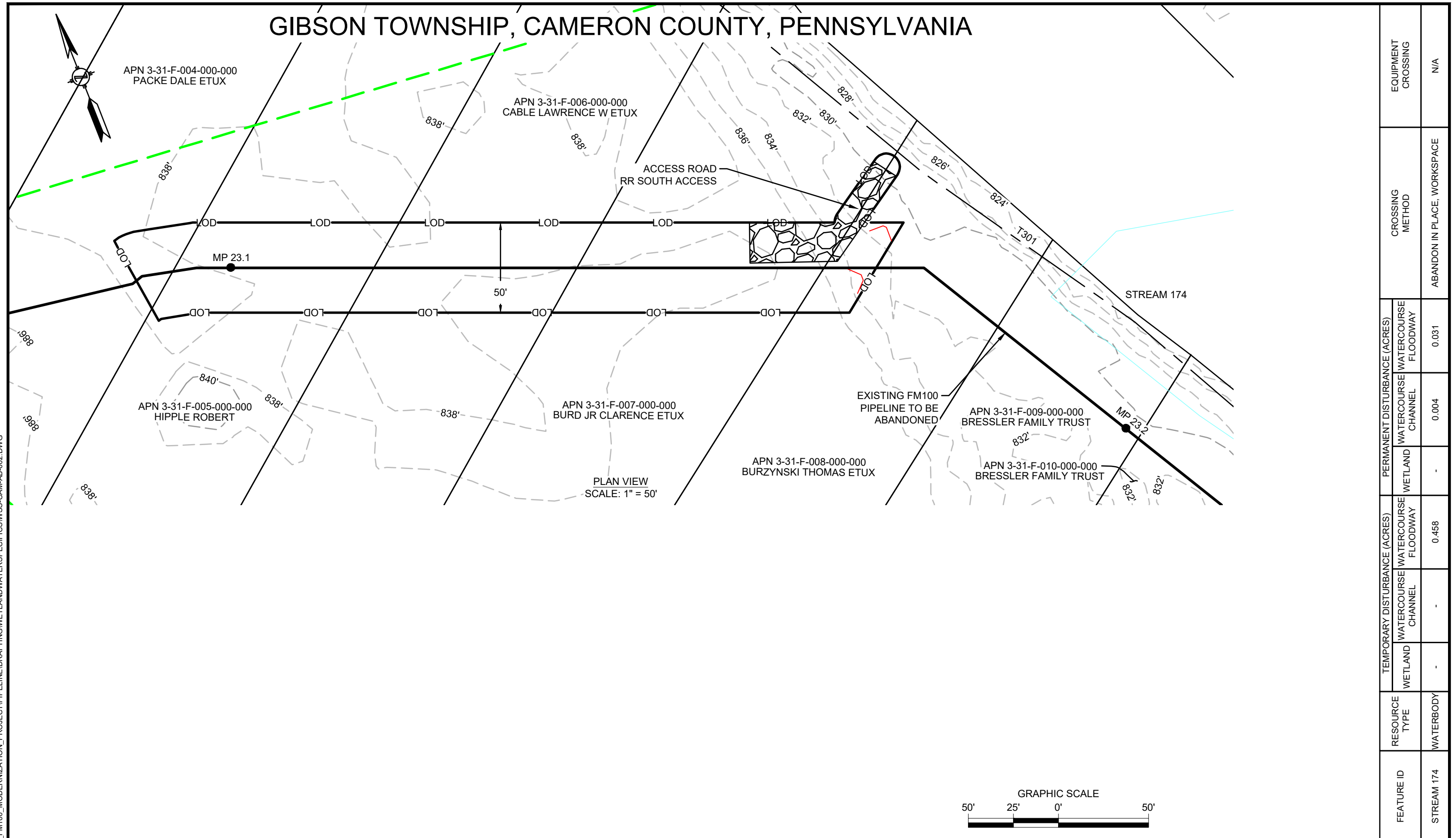
PREPARED BY:

M M
MOTT MACDONALD

111 WOOD AVENUE
 SOUTH ISELIN, NJ 08830
 UNITED STATES
 973-379-3400
 INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA M.P. 22.3		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-001.1	C

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



EQUIPMENT CROSSING	N/A	
	ABANDON IN PLACE, WORKSPACE	
CROSSING METHOD	ABANDON IN PLACE, WORKSPACE	
	ABANDON IN PLACE, WORKSPACE	
PERMANENT DISTURBANCE (ACRES)	WATERCOURSE CHANNEL	0.004
	WATERCOURSE FLOODWAY	0.031
TEMPORARY DISTURBANCE (ACRES)	WATERCOURSE CHANNEL	-
	WATERCOURSE FLOODWAY	0.458
RESOURCE TYPE	WATERBODY	
FEATURE ID	STREAM 174	

12/17/2020 11:47 AM - HECTOR MORALES G:\NATIONAL FUEL\GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFICS\WSS-CAM-AB-002.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:



PREPARED BY:

M M
MOTT MACDONALD

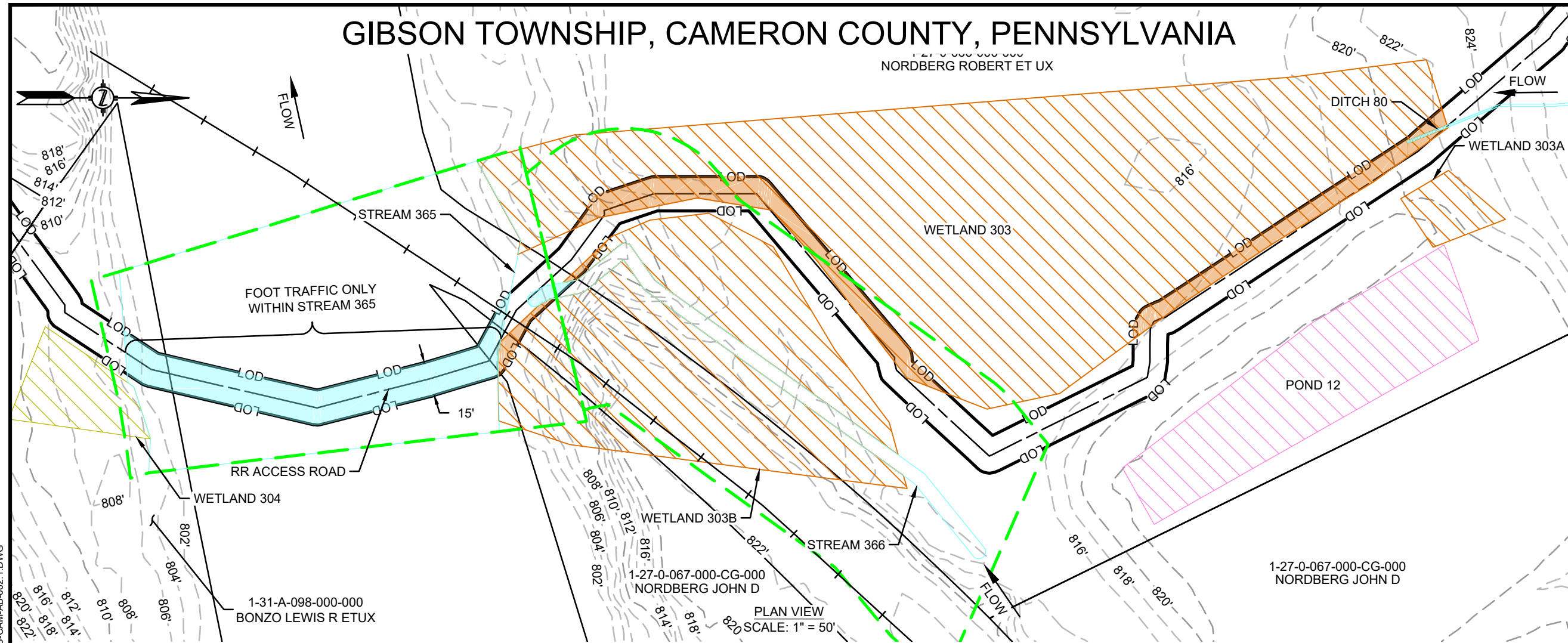
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM



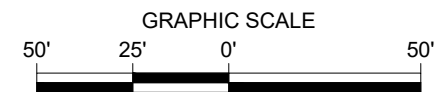
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA M.P. 23.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-002	C

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA

NORDBERG ROBERT ET UX



PLAN VIEW
SCALE: 1" = 50'



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
STREAM 365	WATERBODY	-	0.061	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	FOOT TRAFFIC ONLY
DITCH 80	WATERBODY	-	0.002	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A
STREAM 366	WATERBODY	-	0.002	-	0.055	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A
WETLAND 303	WETLAND	0.065	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A
WETLAND 303B	WETLAND	0.005	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A

12/17/2020 11:46 AM - HECTOR MORALES
G:\NATIONAL FUEL GAS\3\88597_FM100_MODERNIZATION_PIPELINE\DRAWING\WETLAND\WATERSPECIFIC\WSS-CAM-AB-002.1.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

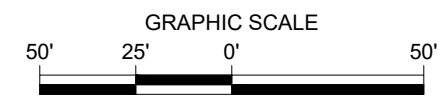
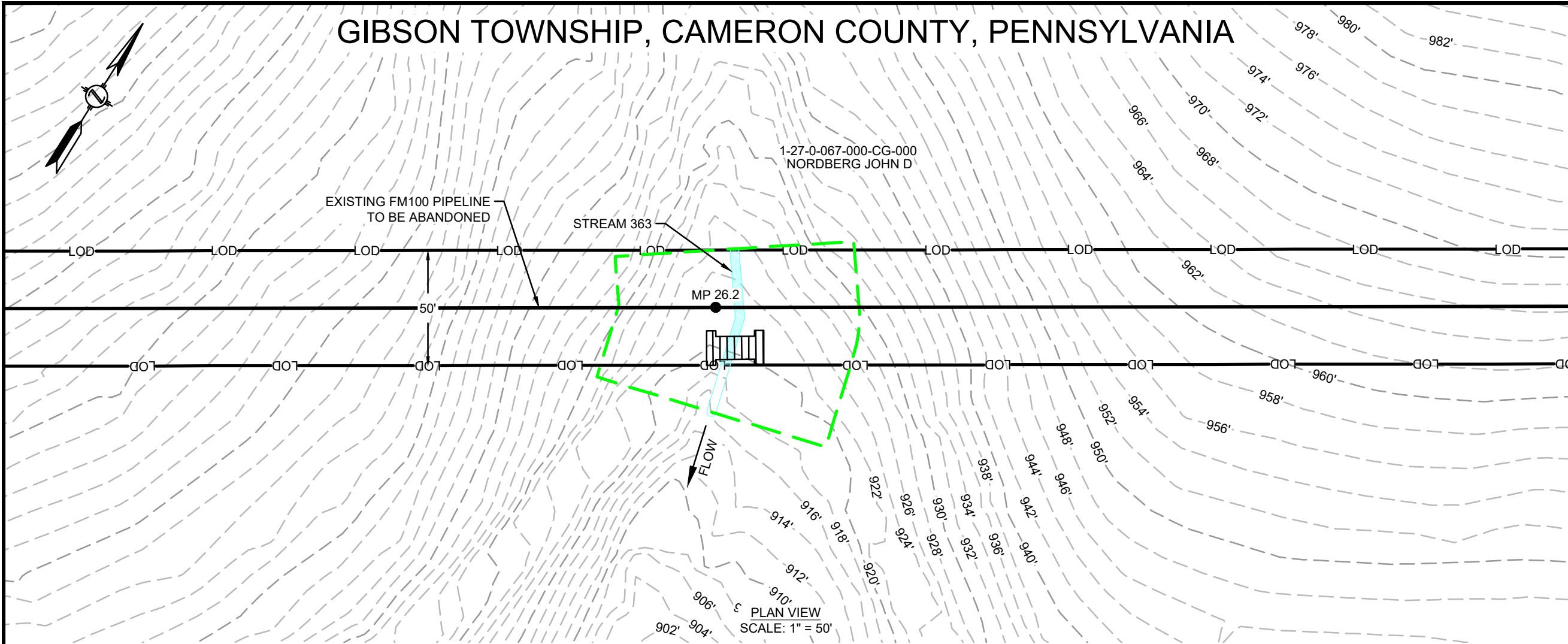
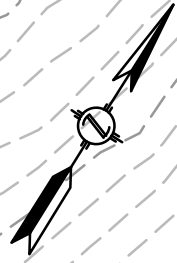
PREPARED FOR:

PREPARED BY:

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SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA M.P. 26.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-002.1	C

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



EQUIPMENT CROSSING	MAT BRIDGE OR EQUIVALENT	
	ABANDON IN PLACE	
CROSSING METHOD	ABANDON IN PLACE	
	ABANDON IN PLACE	
PERMANENT DISTURBANCE (ACRES)	WATERCOURSE CHANNEL	<0.001
	WATERCOURSE FLOODWAY	0.002
TEMPORARY DISTURBANCE (ACRES)	WATERCOURSE CHANNEL	0.005
	WATERCOURSE FLOODWAY	0.124
RESOURCE TYPE	WATERBODY	-
FEATURE ID	STREAM 363	-

12/16/2020 11:08 AM: HECTOR MORALES G:\NATIONAL FUEL GAS\3988597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFICS\WSS-CAM-AB-002.2.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

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MOTT MACDONALD

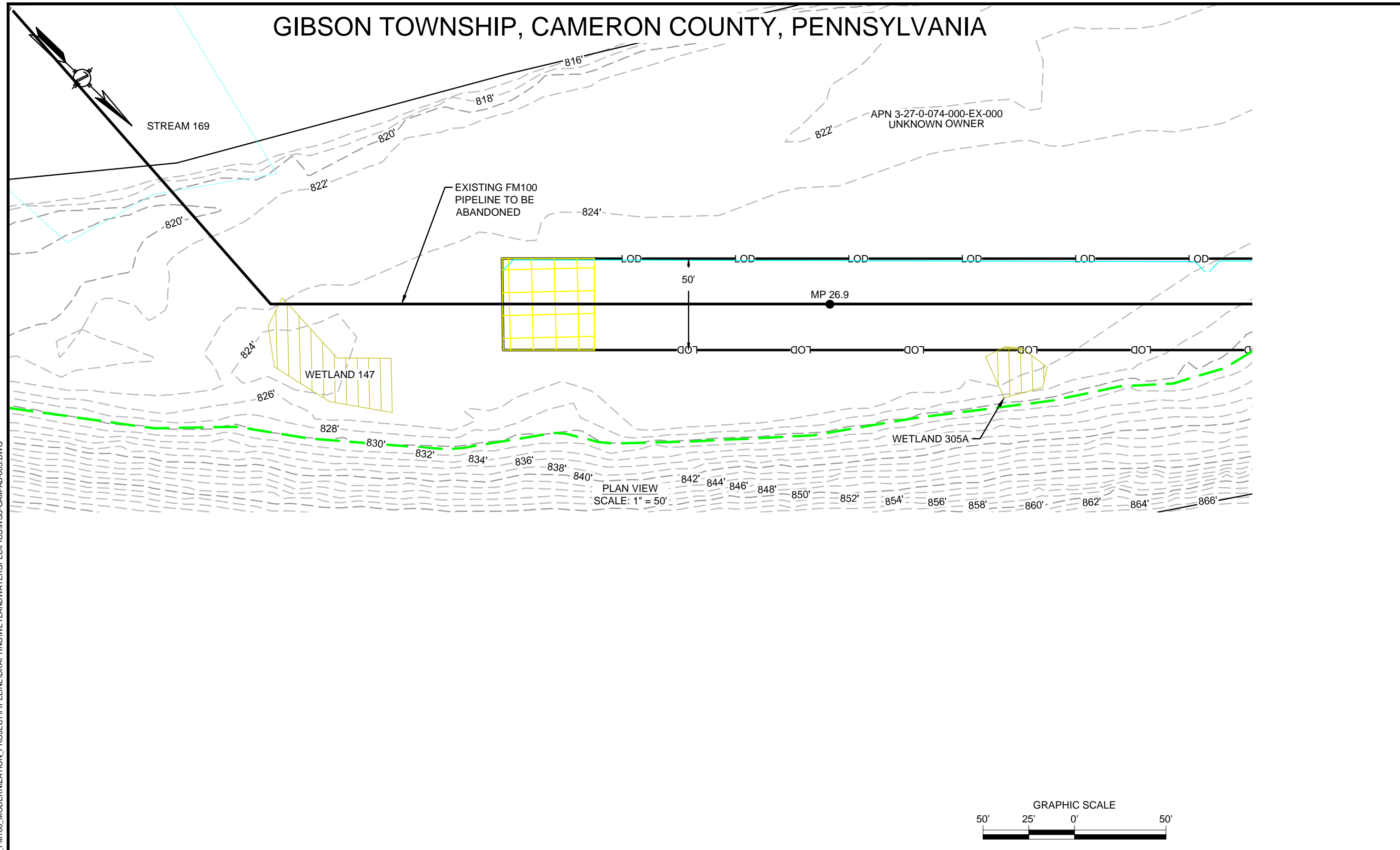
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
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SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-002.2	C

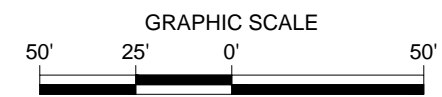
FM100 MODERNIZATION PROJECT

WETLAND & STREAM CROSSING PLAN
EXISTING FM100 PIPELINE TO BE ABANDONED
GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA
M.P. 26.2

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



EQUIPMENT CROSSING	CROSSING METHOD	PERMANENT DISTURBANCE (ACRES)		RESOURCE TYPE	FEATURE ID
		WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
	N/A - WORKSPACE			WETLAND	WETLAND 305A

9/4/2020 11:48 AM: HECTOR MORALES
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REVISIONS					
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B	09/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

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PREPARED BY:

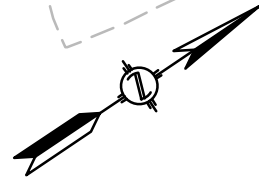
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MOTT MACDONALD

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FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA M.P. 26.9		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-003	B

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



3-27-0-074-000-EX-000
UNKNOWN OWNER

WETLAND 305

MP 27.0

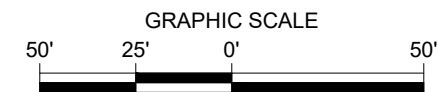
EXISTING FM100 PIPELINE
TO BE ABANDONED

STREAM 369

STREAM 370

3-27-0-074-000-EX-0FL
UNKNOWN OWNER

PLAN VIEW
SCALE: 1" = 50'



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
STREAM 369	WATERBODY	-	0.005	-	<0.001	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT
STREAM 370	WATERBODY	-	0.002	-	-	N/A - WORKSPACE	N/A
STREAM 169	WATERBODY	-	-	-	0.006	ABANDON IN PLACE, FOAM	N/A
WETLAND 305	WETLAND	0.075	-	0.001	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT

REVISIONS

NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS

DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:



PREPARED BY:

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FM100 MODERNIZATION PROJECT

WETLAND & STREAM CROSSING PLAN
EXISTING FM100 PIPELINE TO BE ABANDONED
GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA
M.P. 27.0

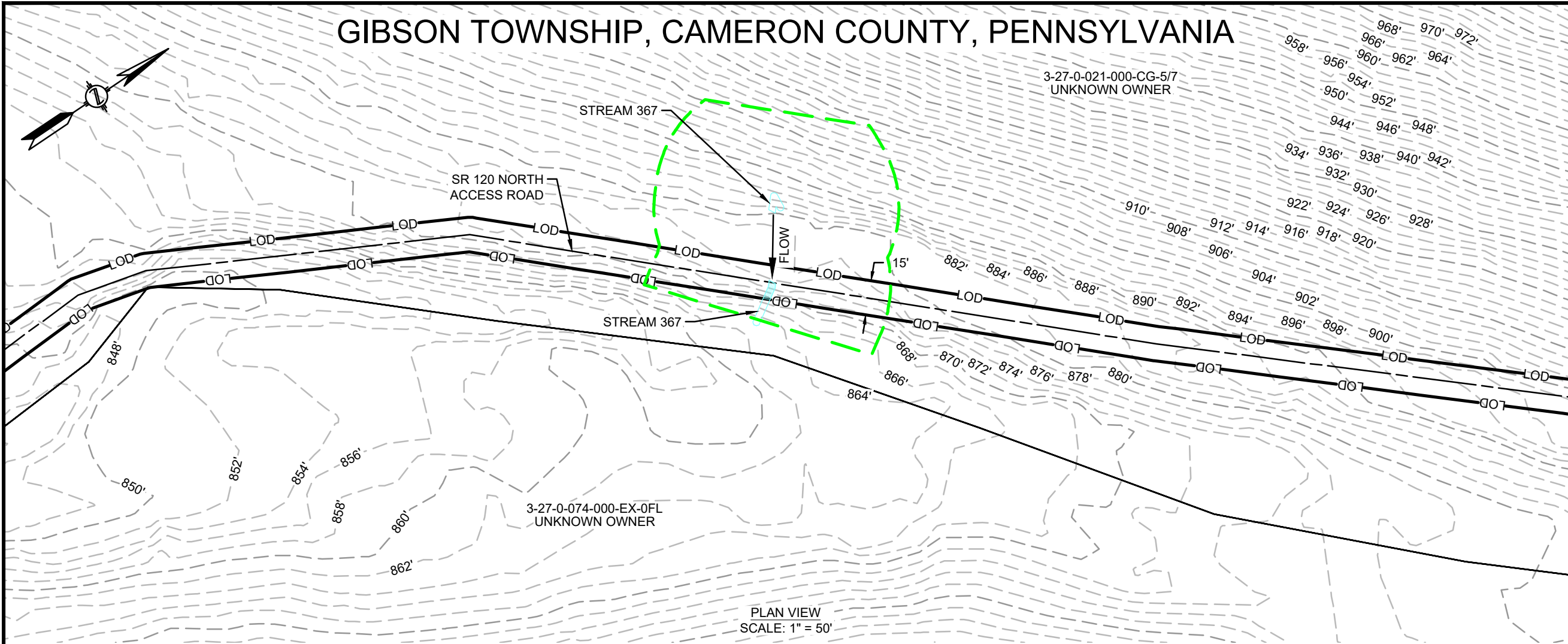
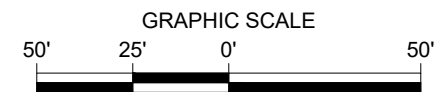
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-004	C

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA

3-27-0-021-000-CG-5/7
UNKNOWN OWNER

3-27-0-074-000-EX-0FL
UNKNOWN OWNER

PLAN VIEW
SCALE: 1" = 50'



EQUIPMENT CROSSING	N/A	CROSSING METHOD				EXISTING ROAD, NO IMPROVEMENTS PROPOSED
		-				
RESOURCE TYPE		PERMANENT DISTURBANCE (ACRES)		TEMPORARY DISTURBANCE (ACRES)		
		WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	
FEATURE ID	STREAM 367	WATERCOURSE CHANNEL	0.001	WATERCOURSE FLOODWAY	0.035	
		WATERBODY	-	WATERCOURSE FLOODWAY	-	

12/17/2020 11:50 AM, HECTOR MORALES, G:\NATIONAL FUEL GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFIC\WSS-CAM-AB-005.DWG

REVISIONS					
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B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS			
DRAWN BY	DATE	CHECKED BY	DATE
HM (MM)	07/2019	KEK (MM)	07/2019
MJD (MM)	07/2019	MJD (MM)	07/2019

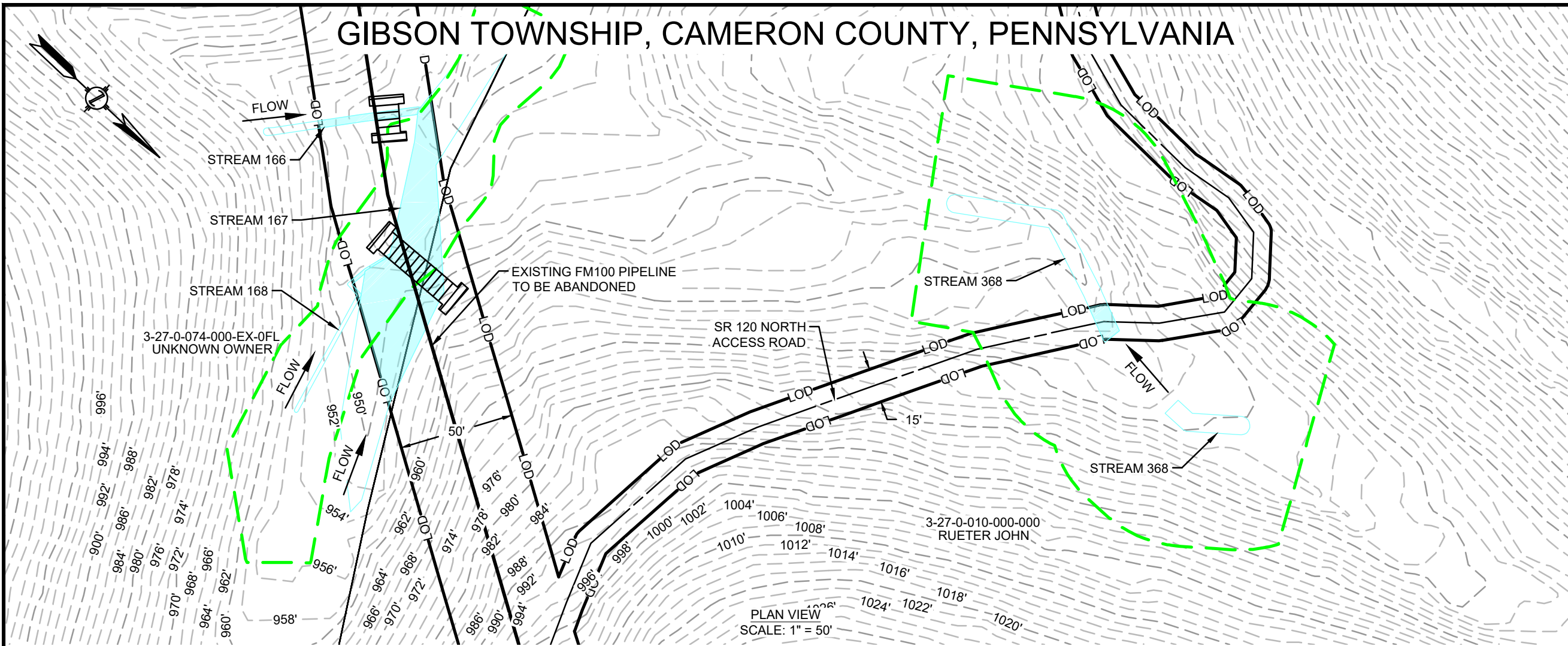
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PREPARED BY:

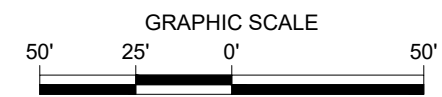
111 WOOD AVENUE
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UNITED STATES
973-379-3400
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FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA M.P. 27.0		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-005	C

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL	WETLAND		
STREAM 167	WATERBODY	0.054	-	0.001	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT
STREAM 166	WATERBODY	0.003	-	<0.001	-	ABANDON IN PLACE	MAT BRIDGE OR EQUIVALENT
STREAM 168	WATERBODY	<0.001	-	-	-	N/A - WORKSPACE	MAT BRIDGE OR EQUIVALENT
STREAM 368	WATERBODY	0.003	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A



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REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
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B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

M M
MOTT MACDONALD

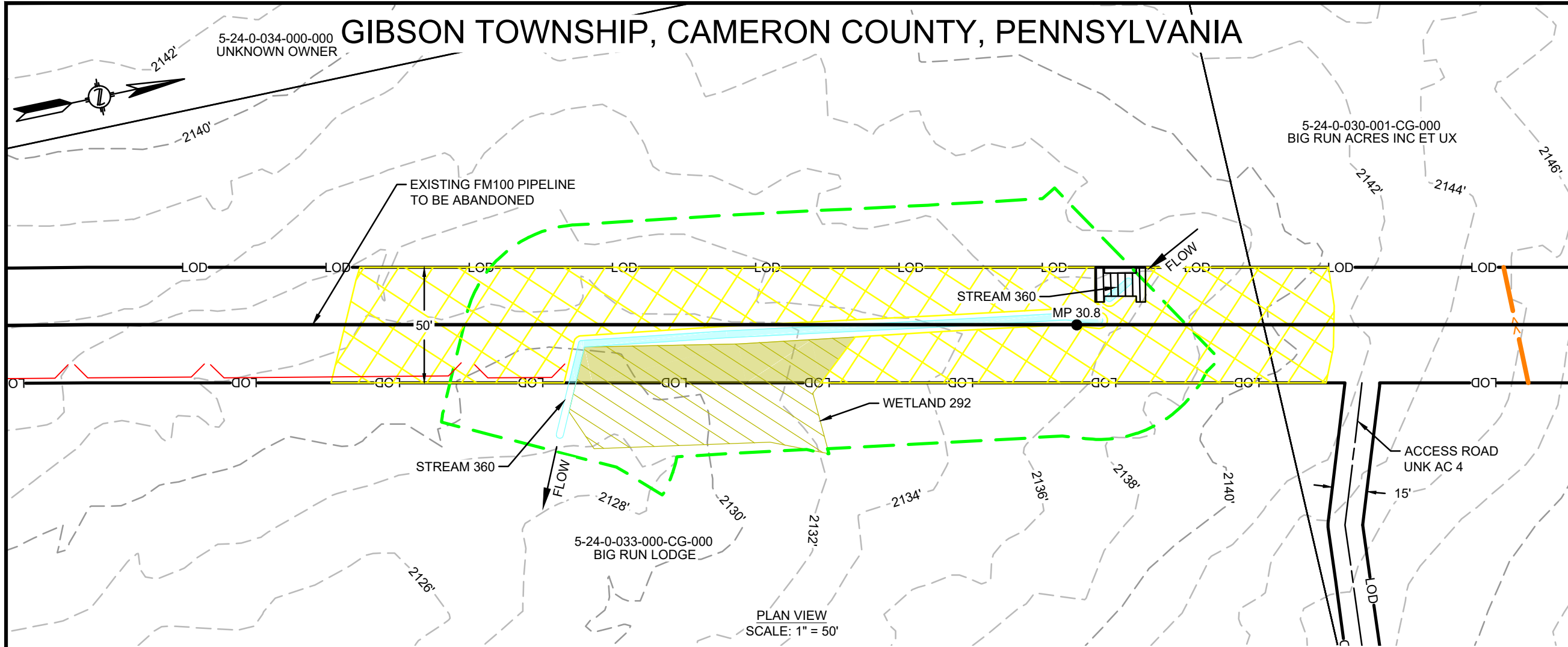
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SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

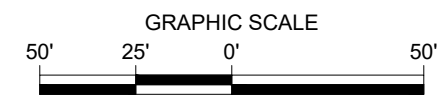
WETLAND & STREAM CROSSING PLAN
EXISTING FM100 PIPELINE TO BE ABANDONED
GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA
M.P. 27.1

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-006	C

GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
STREAM 360	WATERBODY	-	0.018	0.289	-	0.001	0.006	DAM AND PUMP/FLUME	MAT BRIDGE OR EQUIVALENT
WETLAND 292	WETLAND	0.043	-	-	-	-	-	N/A - WORKSPACE	N/A

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REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	07/2019
CHECKED BY	DATE
KEK (MM)	07/2019
ENG. APPROVAL	DATE
MJD (MM)	07/2019
P.M. APPROVAL	DATE

PREPARED FOR:

PREPARED BY:

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MOTT MACDONALD

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FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN EXISTING FM100 PIPELINE TO BE ABANDONED GIBSON TOWNSHIP, CAMERON COUNTY, PENNSYLVANIA M.P. 30.8		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-CAM-AB-007	C