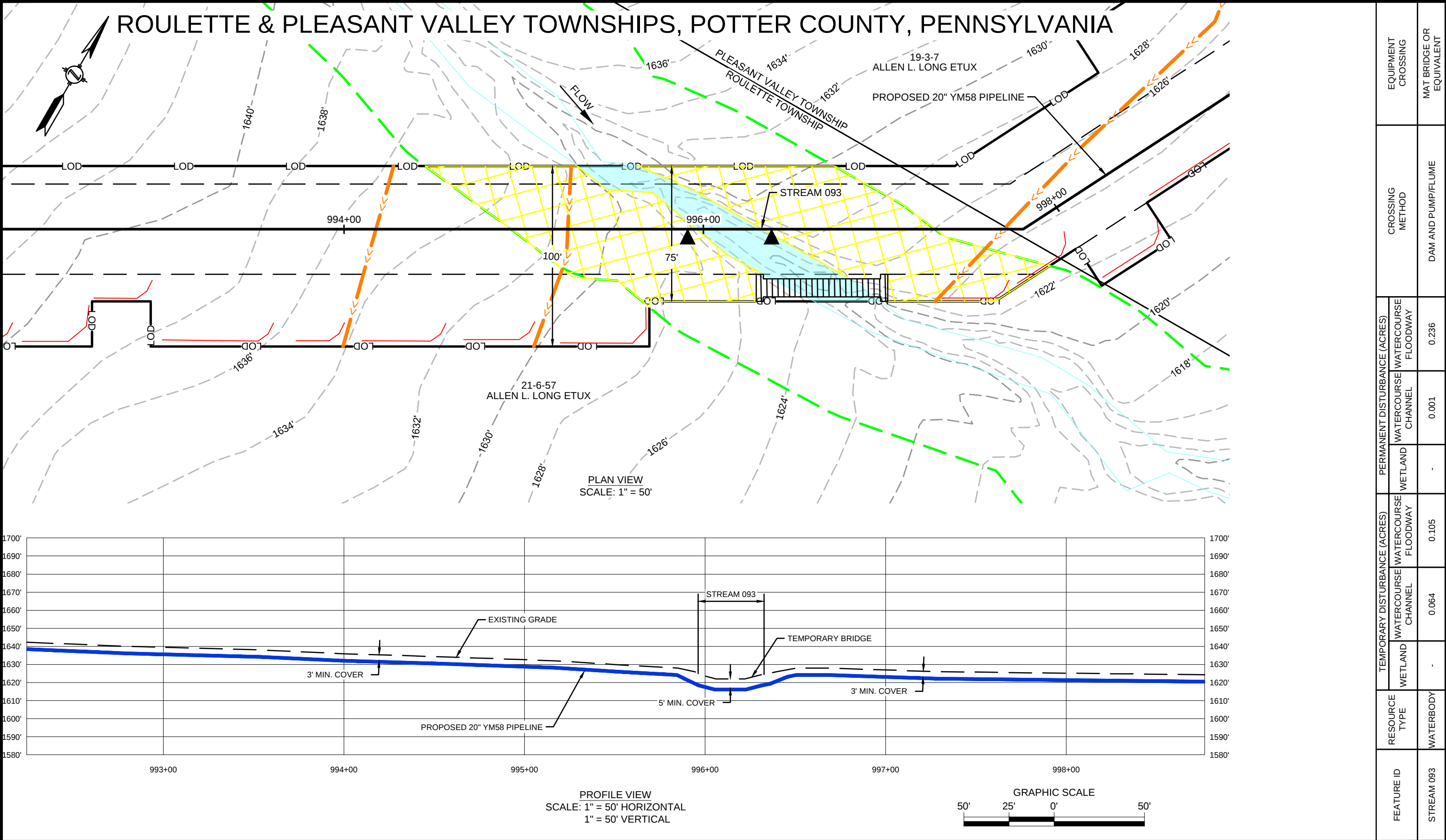
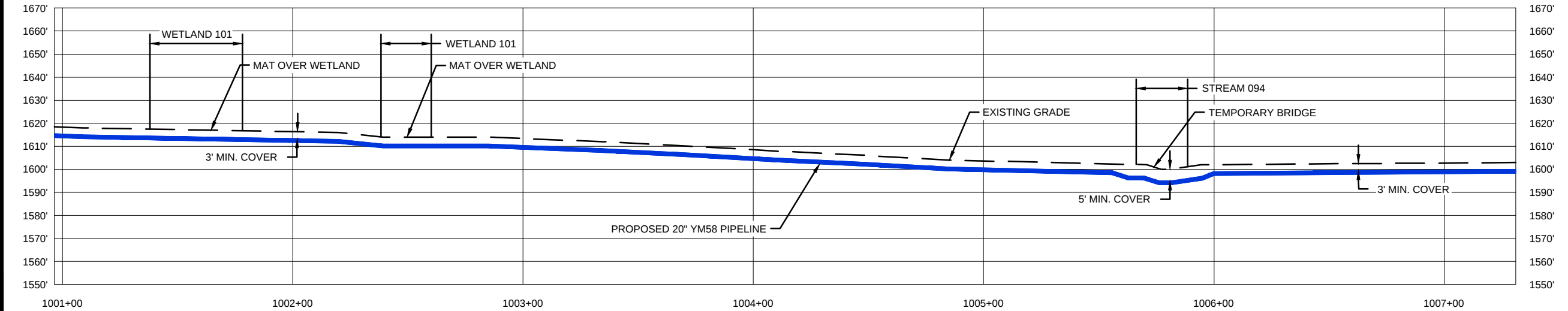
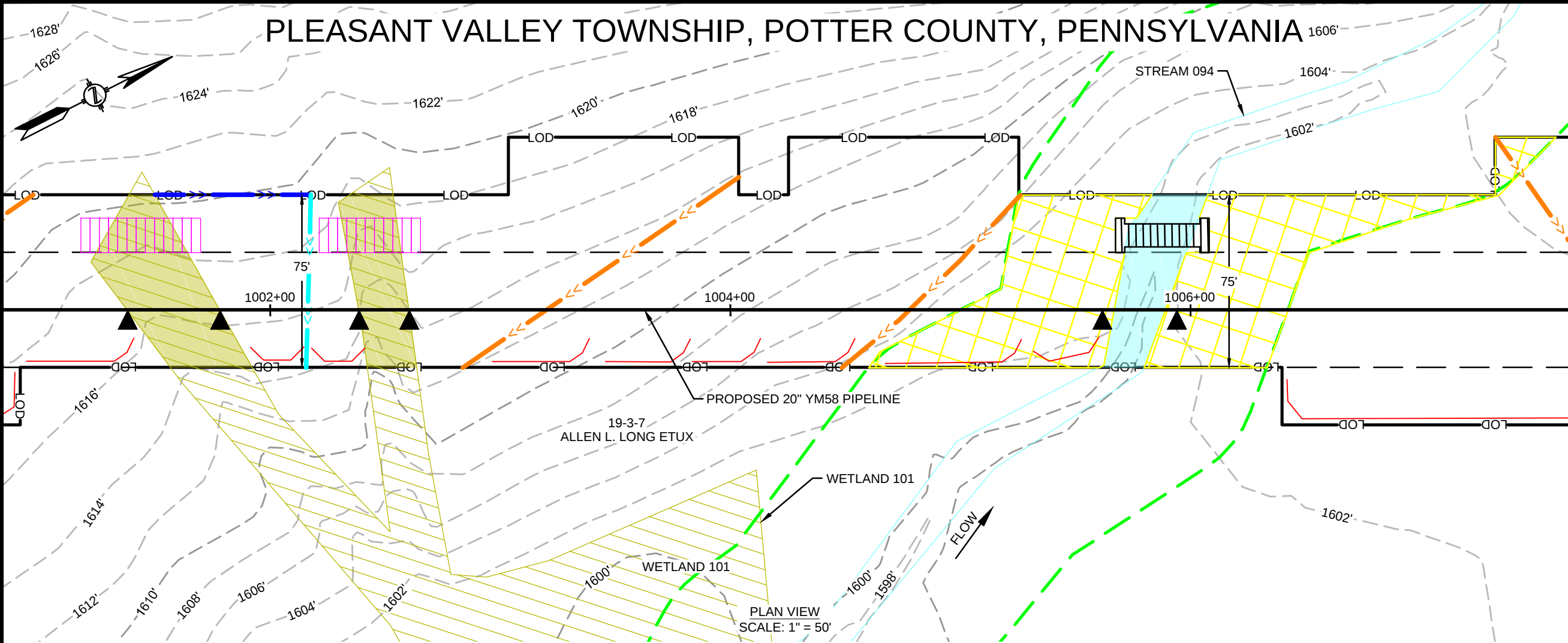


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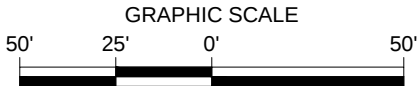


REVISIONS						APPROVALS		PREPARED FOR:	PREPARED BY:	FM100 MODERNIZATION PROJECT		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE			WETLAND & STREAM CROSSING PLAN		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019			PROPOSED 20" YM58 PIPELINE		
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE			ROULETTE & PLEASANT VALLEY TOWNSHIPS, POTTER COUNTY, PENNSYLVANIA		
						KEK (MM)	07/2019			M.P. 18.9		
						ENG. APPROVAL	DATE			SCALE	DRAWING NO.	REVISION
						MJD (MM)	07/2019		 111 WOOD AVENUE SOUTH ISELIN, NJ 08830 UNITED STATES 973-379-3400 INFO@MOTTMAC.COM	1" = 50'	WSS-POT-ML-001	B
						P.M. APPROVAL	DATE					

9/4/2020 2:15 PM, HECTOR MORALES
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PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



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:

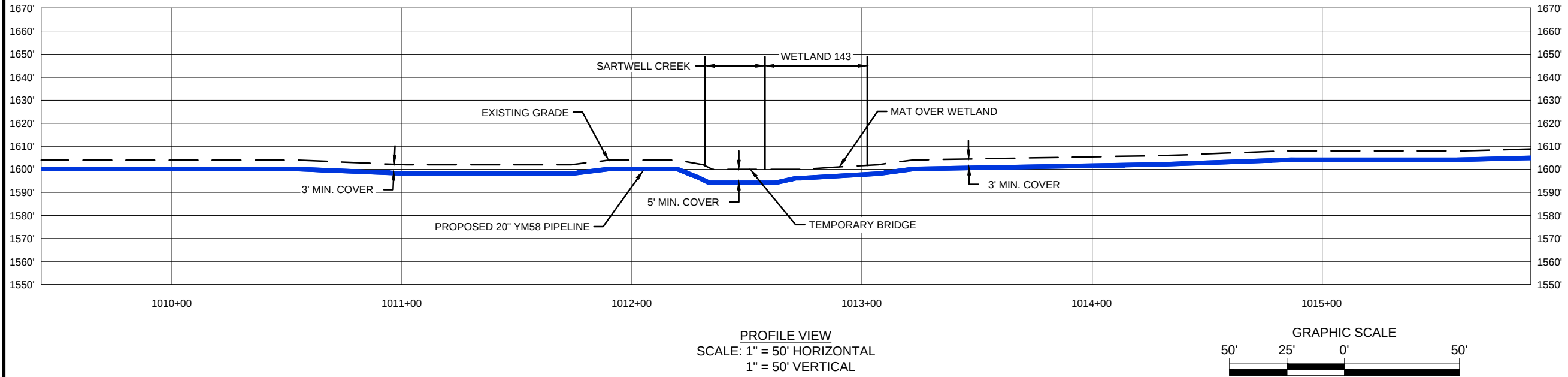
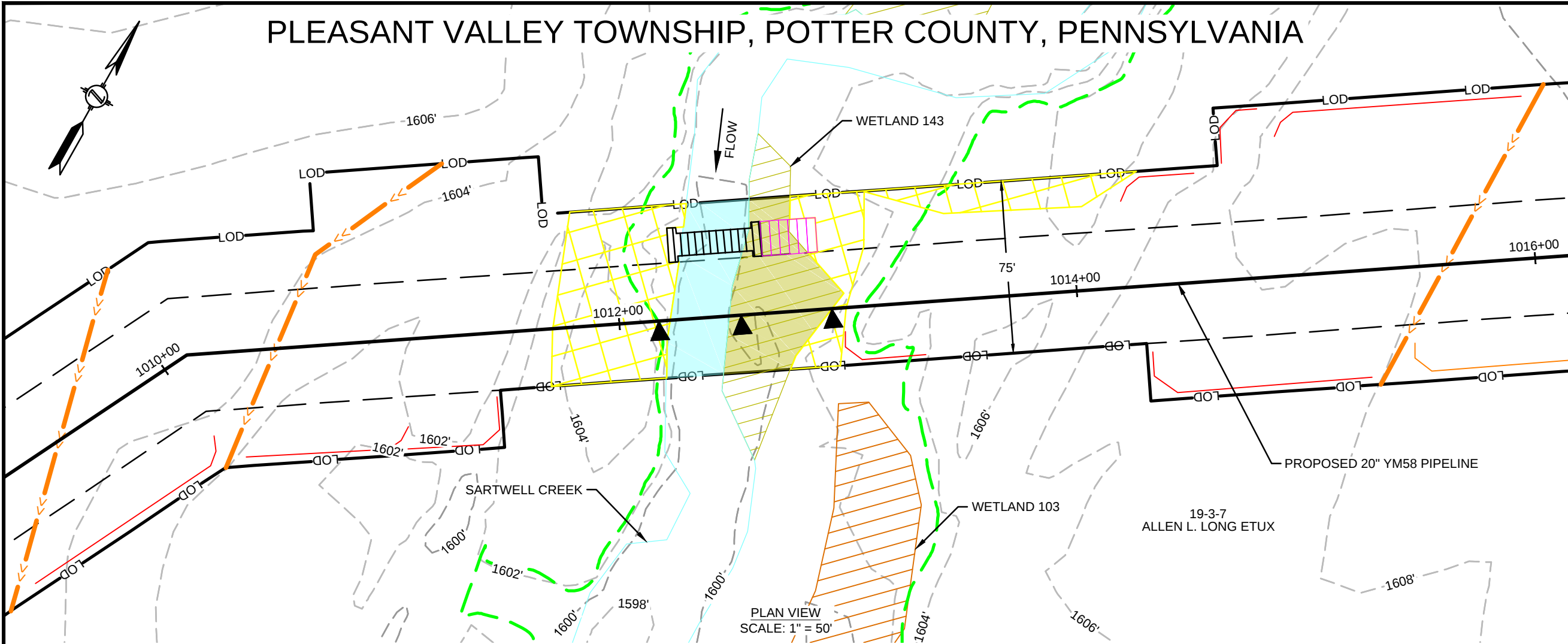


111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 19.0		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-002	B

FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
WETLAND 101	WETLAND	0.097	-	-	0.002	-	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
STREAM 094	WATERBODY	-	0.040	0.088	-	0.001	0.142	DAM AND PUMP/FLUME	MAT BRIDGE OR EQUIVALENT

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	FLOODWAY	WETLAND	WATERCOURSE CHANNEL	FLOODWAY		
WETLAND 143	WETLAND	0.054	-	-	0.002	-	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
SARTWELL CREEK	WATERBODY	-	0.045	0.046	-	0.001	0.040	DAM AND PUMP/FLUME	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

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
MOTT
MACDONALD

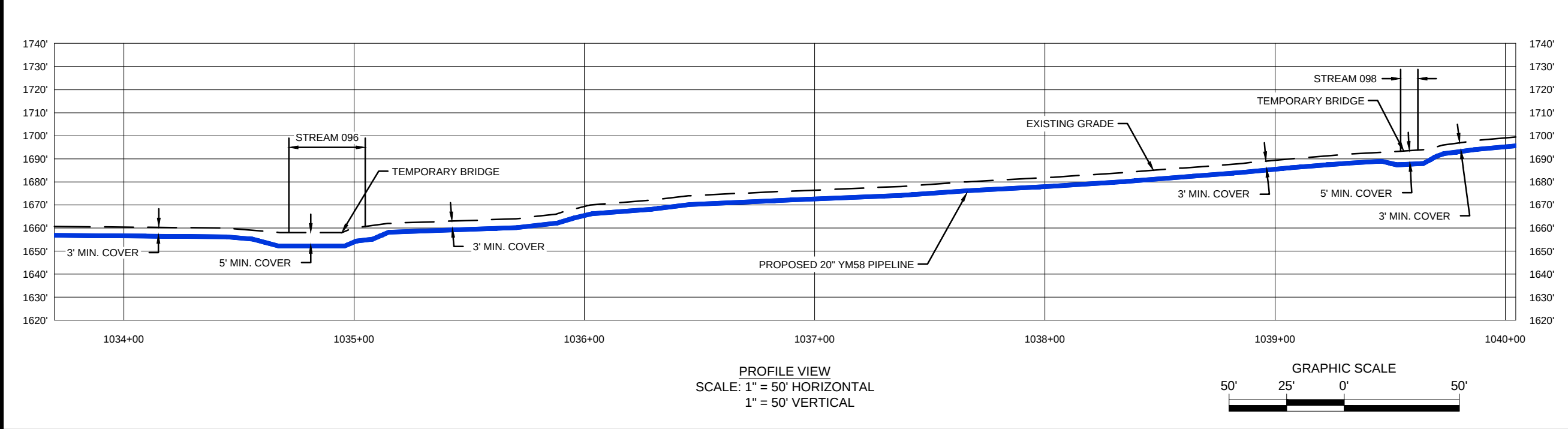
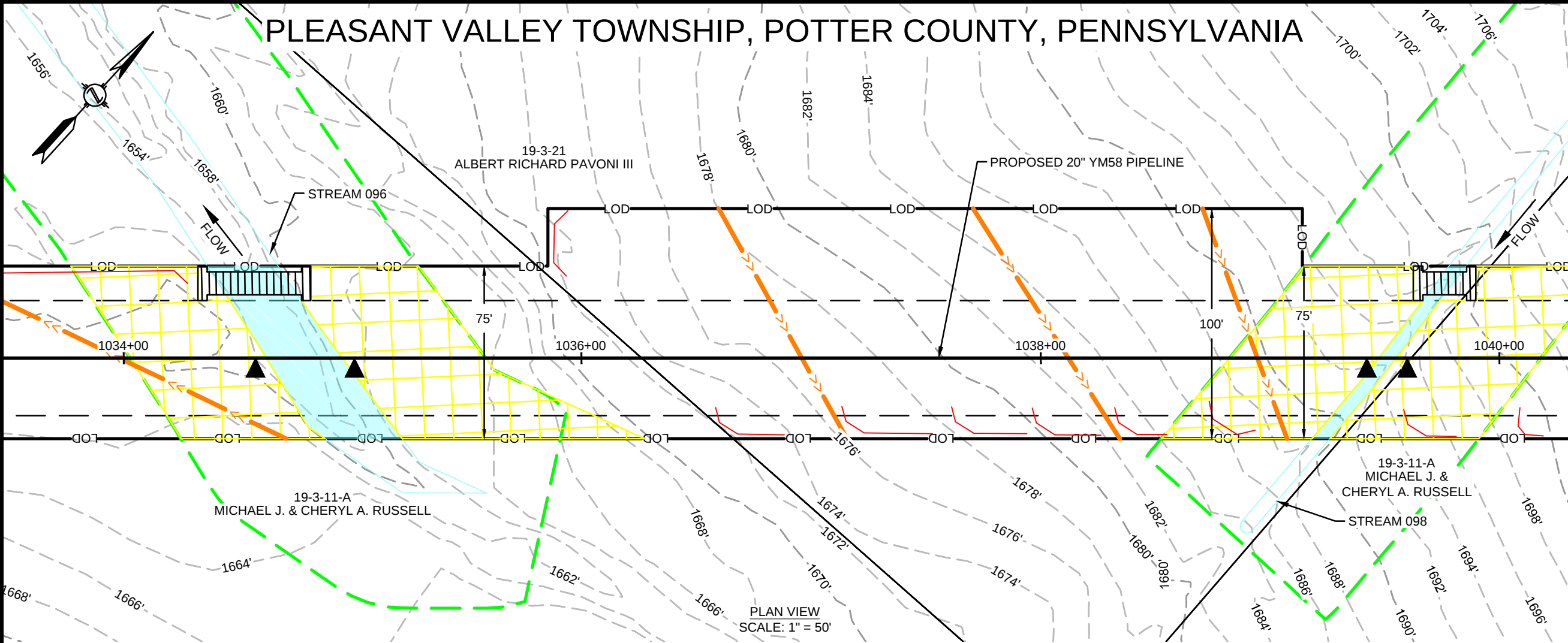
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

WETLAND & STREAM CROSSING PLAN
PROPOSED 20" YM58 PIPELINE
PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA
M.P. 19.2

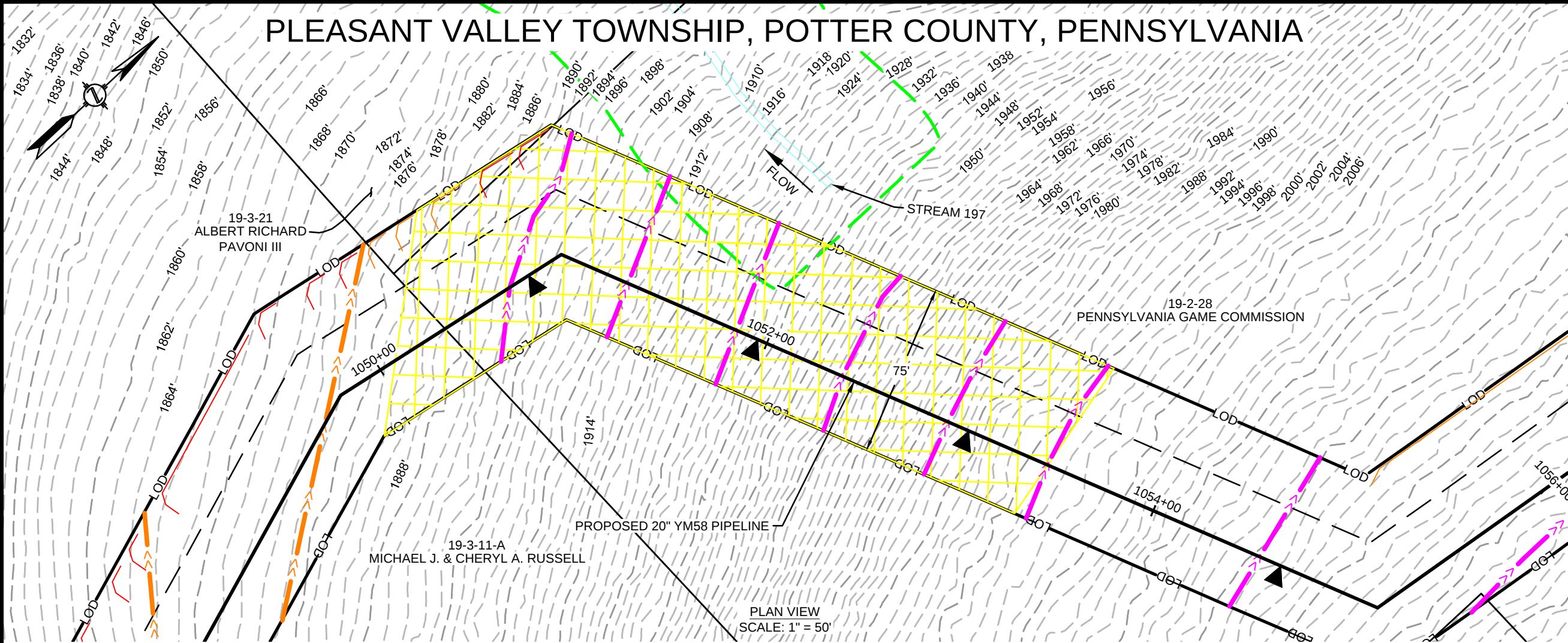
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-003	B

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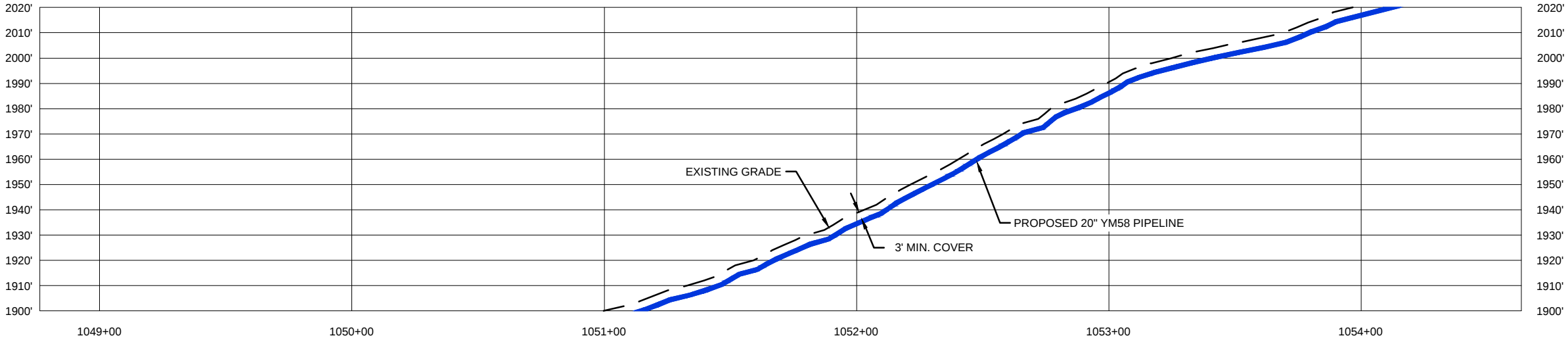


REVISIONS						APPROVALS		PREPARED FOR: 	PREPARED BY:  111 WOOD AVENUE SOUTH ISELIN, NJ 08830 UNITED STATES 973-379-3400 INFO@MOTTMAC.COM	FM100 MODERNIZATION PROJECT		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE			WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 19.6		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019					
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE					
						KEK (MM)	07/2019					
						ENG. APPROVAL	DATE					
						MJD (MM)	07/2019					
						P.M. APPROVAL	DATE					

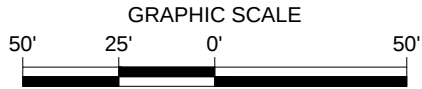
PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



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 197	WATERBODY	-	-	0.031		-	-	<0.001	N/A - WORKSPACE	N/A

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

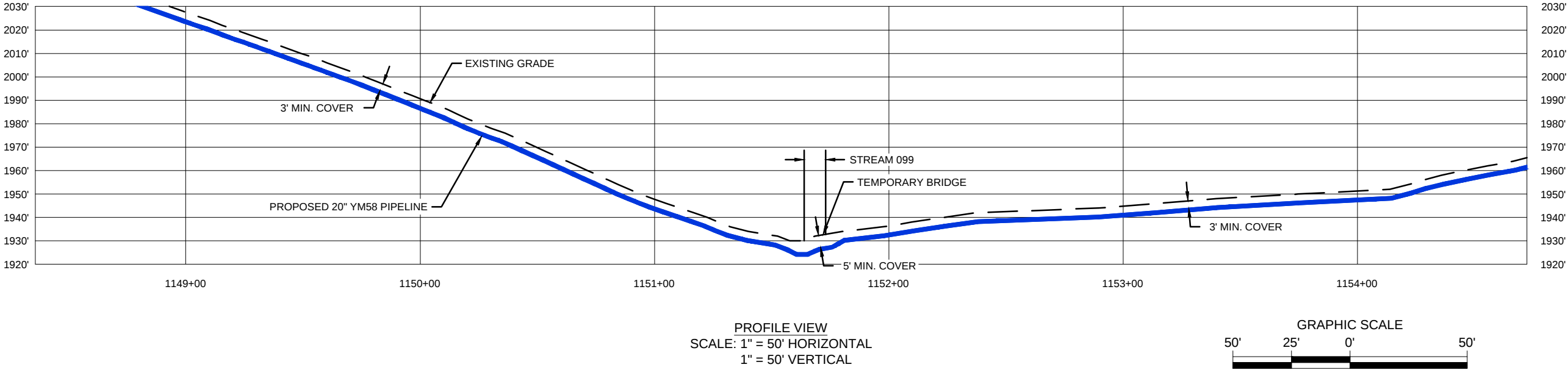
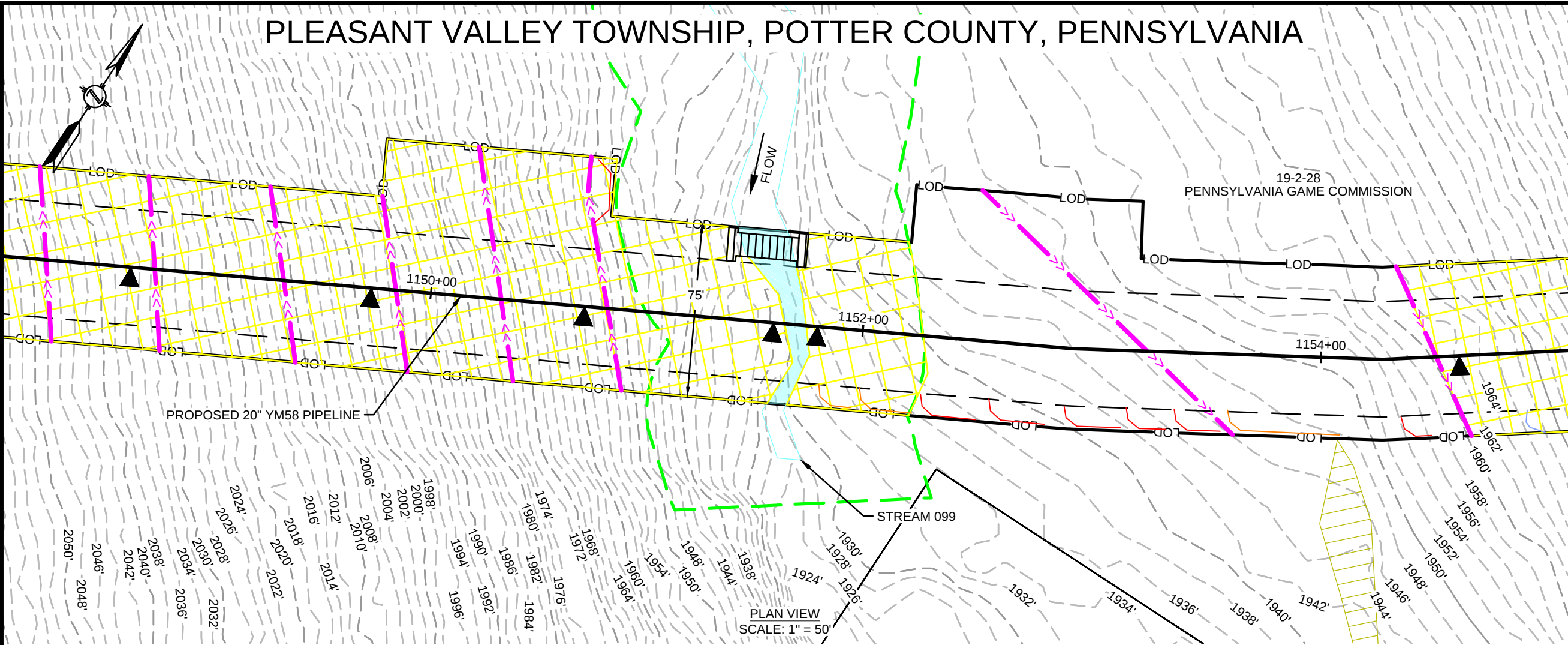
M

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

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 19.9		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-005	B

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)				PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	-	WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
		-	0.020	0.061		-	<0.001	0.126		
STREAM 099	WATERBODY	-	-	-	-	-	-	-	DAM AND PUMP/FLUME	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

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:



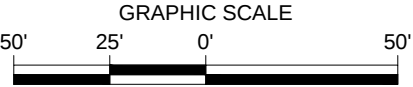
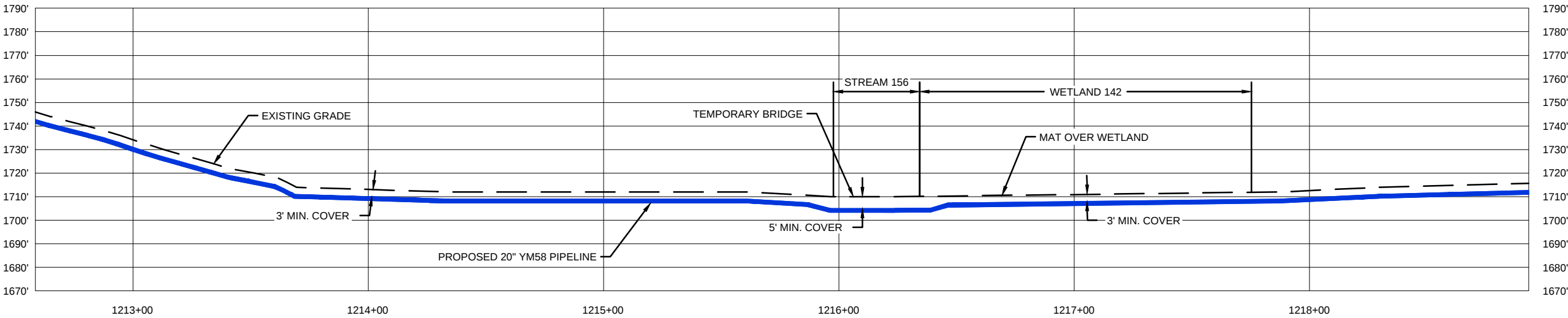
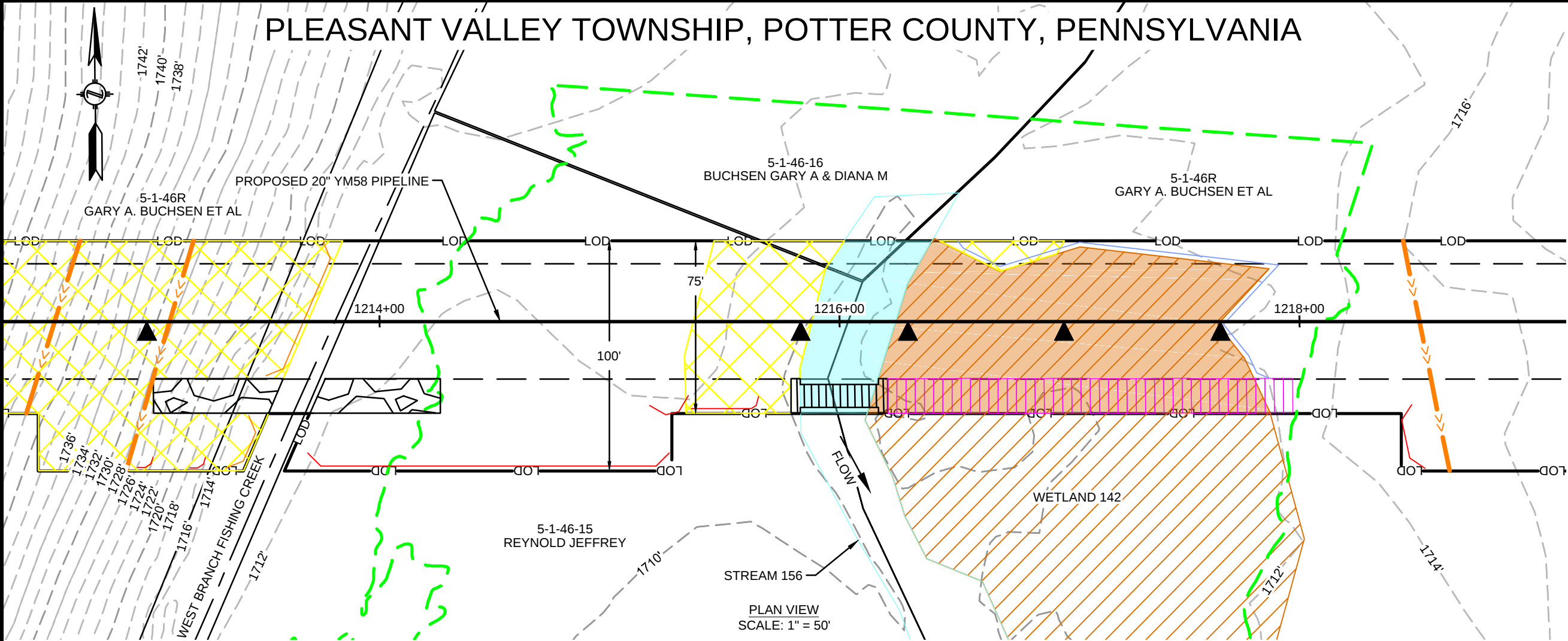
PREPARED BY:



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

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.8		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-006	B

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	FLOODWAY	WETLAND	WATERCOURSE CHANNEL	FLOODWAY		
WETLAND 142	WETLAND	0.208	-	-	0.033	-	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
STREAM 156	WATERBODY	-	0.061	0.193	-	0.001	0.235	DAM AND PUMP/FLUME	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

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

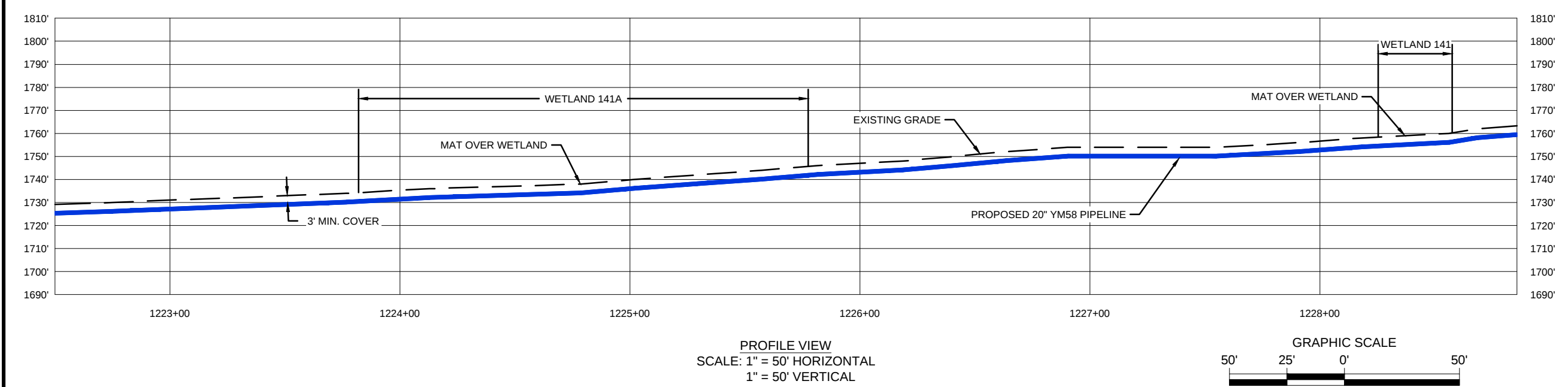
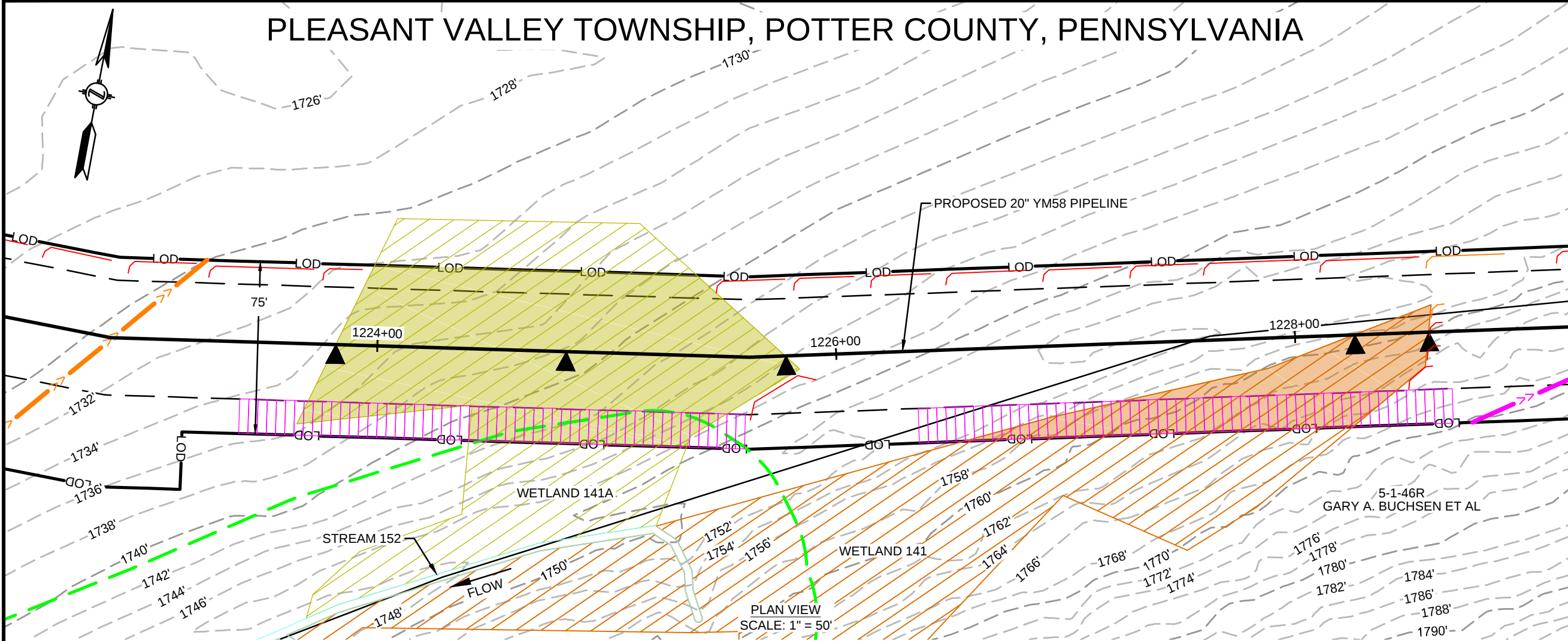
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

WETLAND & STREAM CROSSING PLAN
PROPOSED 20" YM58 PIPELINE
PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA
M.P. 23.0

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-007	B

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
WETLAND 141	WETLAND	0.088	-	0.007	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
WETLAND 141A	WETLAND	0.282	-	0.007	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
STREAM 152	WATERBODY	-	0.004	-	-	N/A - WORKSPACE	N/A

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

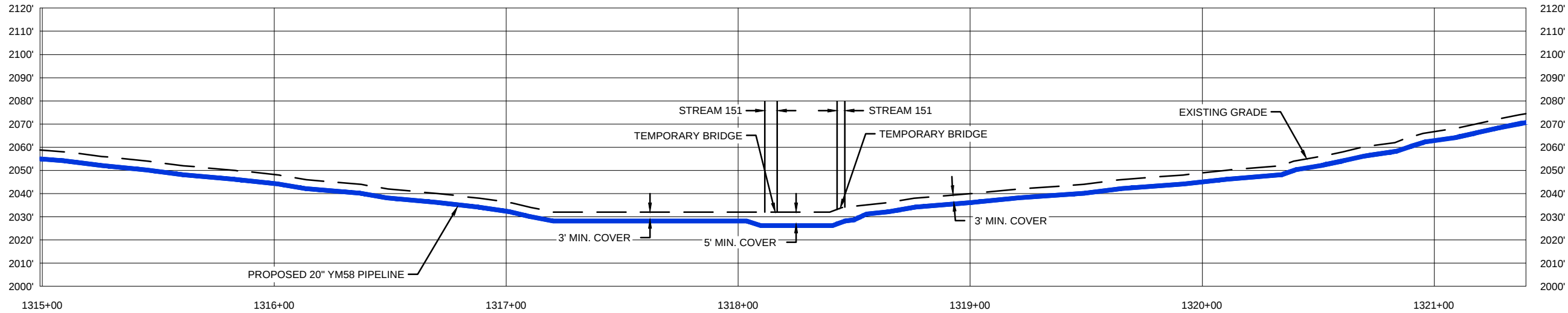
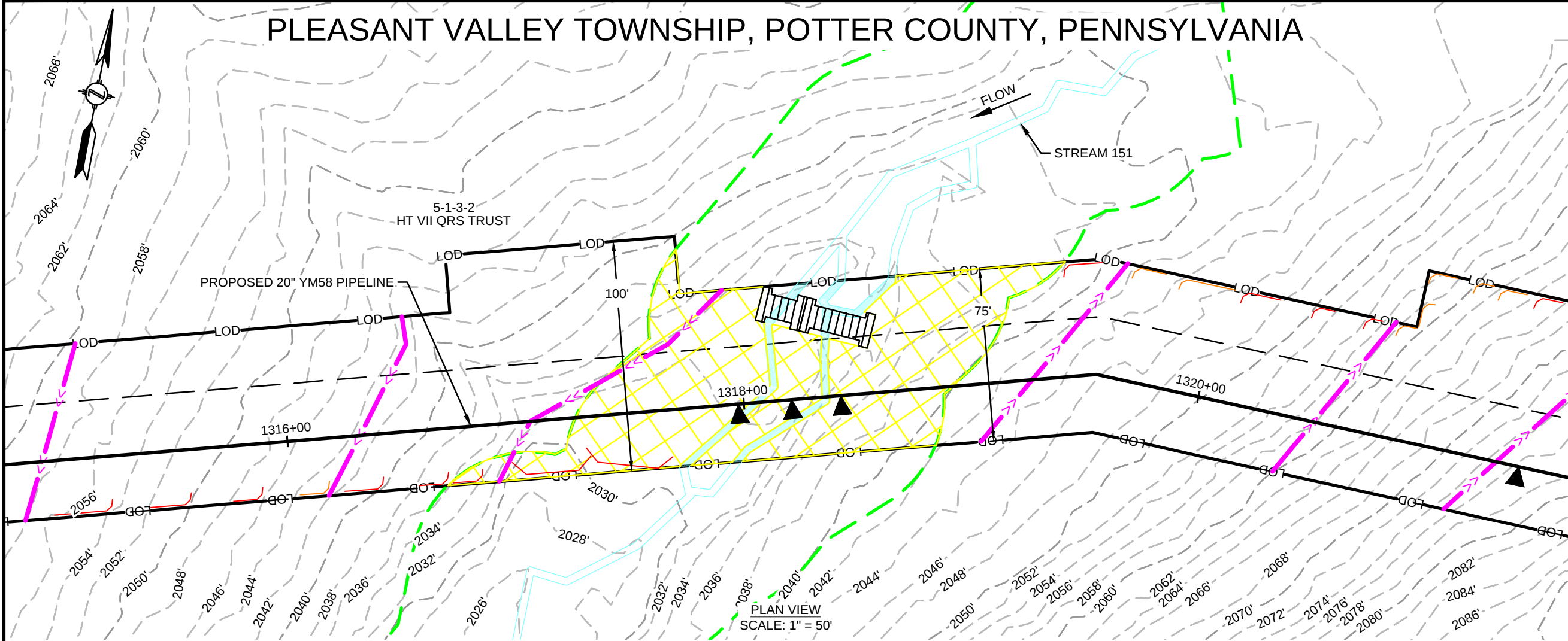
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT

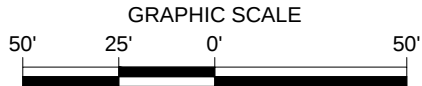
WETLAND & STREAM CROSSING PLAN
PROPOSED 20" YM58 PIPELINE
PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA
M.P. 23.2

SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-008	B

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING		
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	WATERCOURSE FLOODWAY				
STREAM 151	WATERBODY	-	0.018	0.091	-	<0.001	0.190	DAM AND PUMP/FLUME	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

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
MOTT
MACDONALD

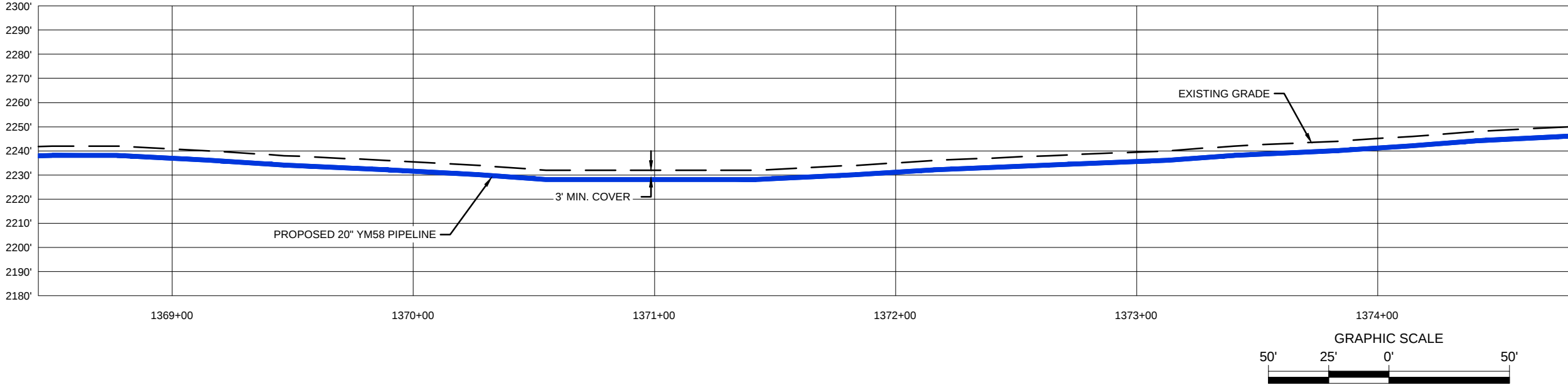
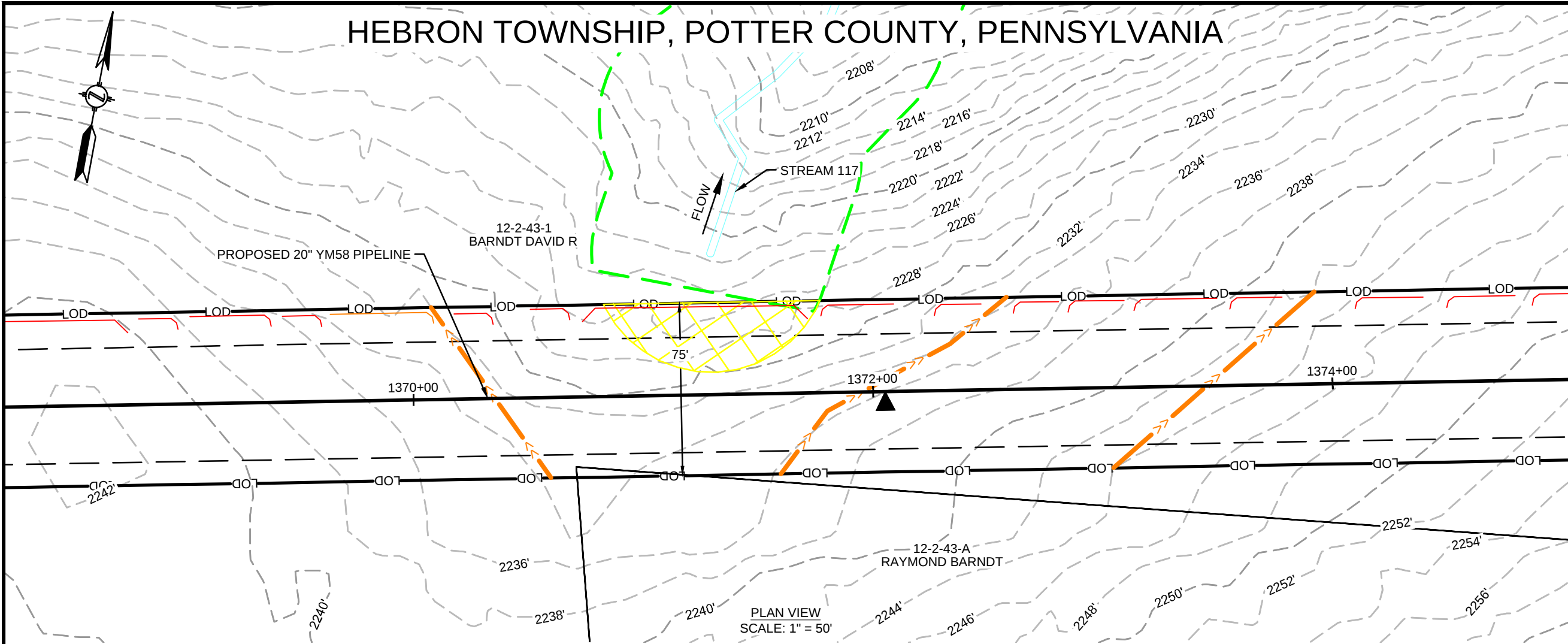
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.0		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-009	B

9/4/2020 1:50 PM, HECTOR MORALES

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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



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

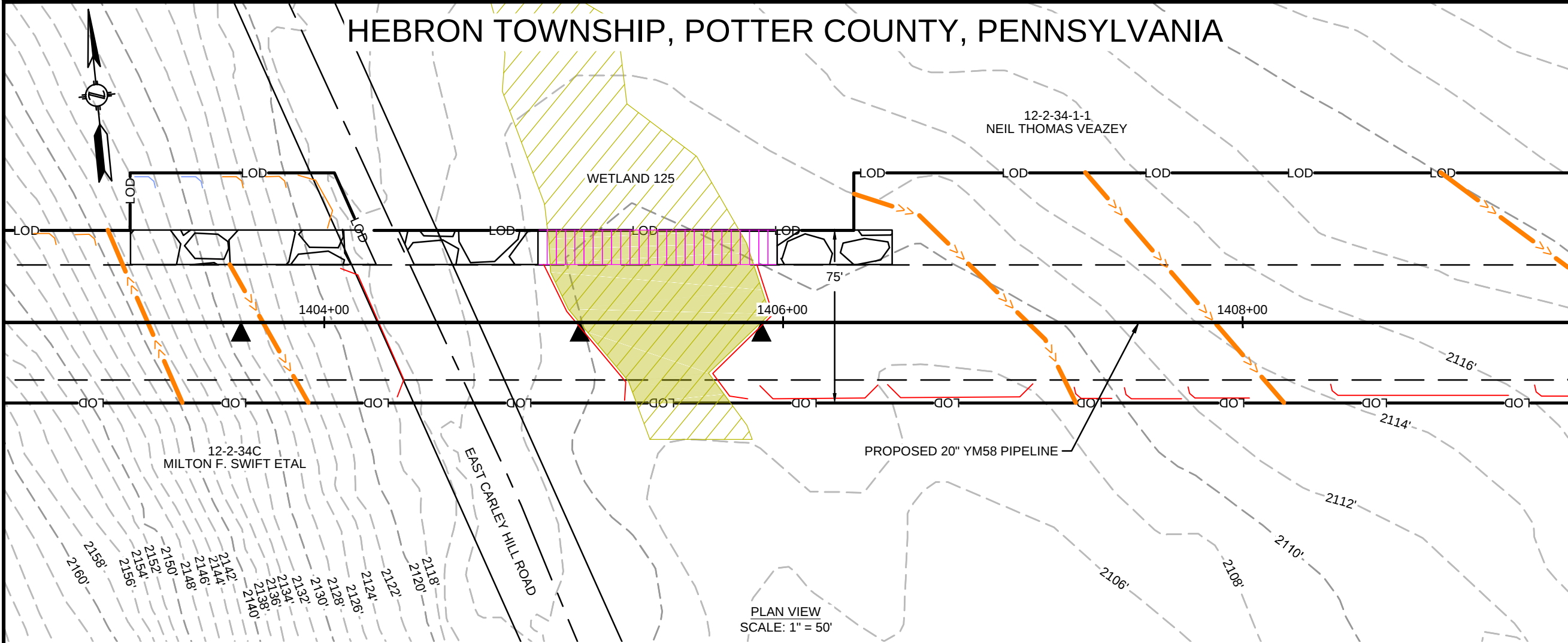
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.9		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-010	B

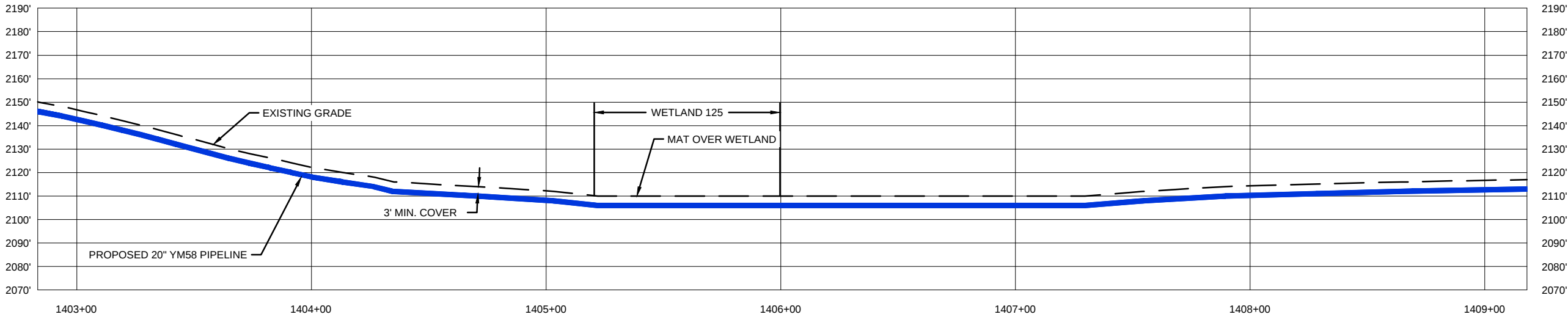
FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)				PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
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STREAM 117	WATERBODY	-	-	0.001	-	-	-	-	N/A - WORKSPACE	N/A

9/4/2020 1:51 PM, HECTOR MORALES
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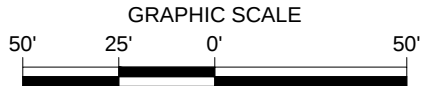
HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



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:



**MOTT
MACDONALD**

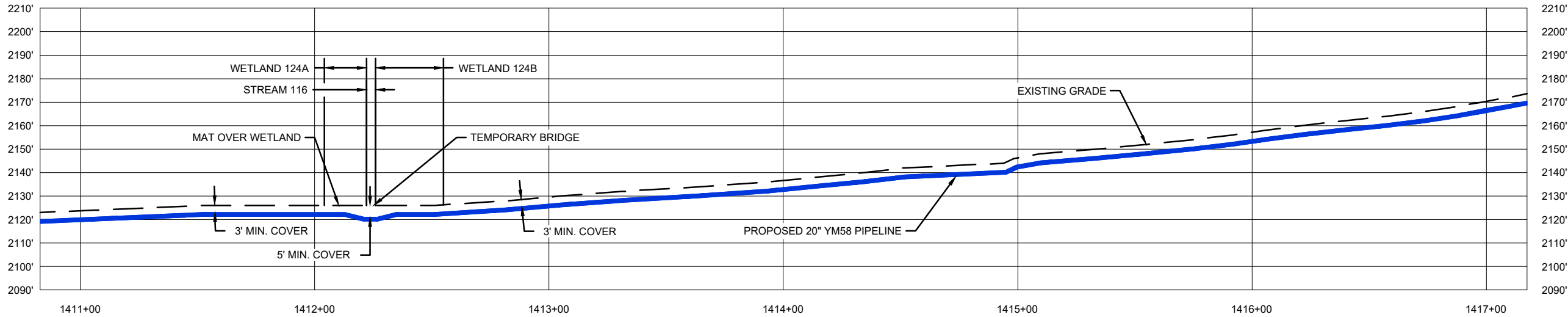
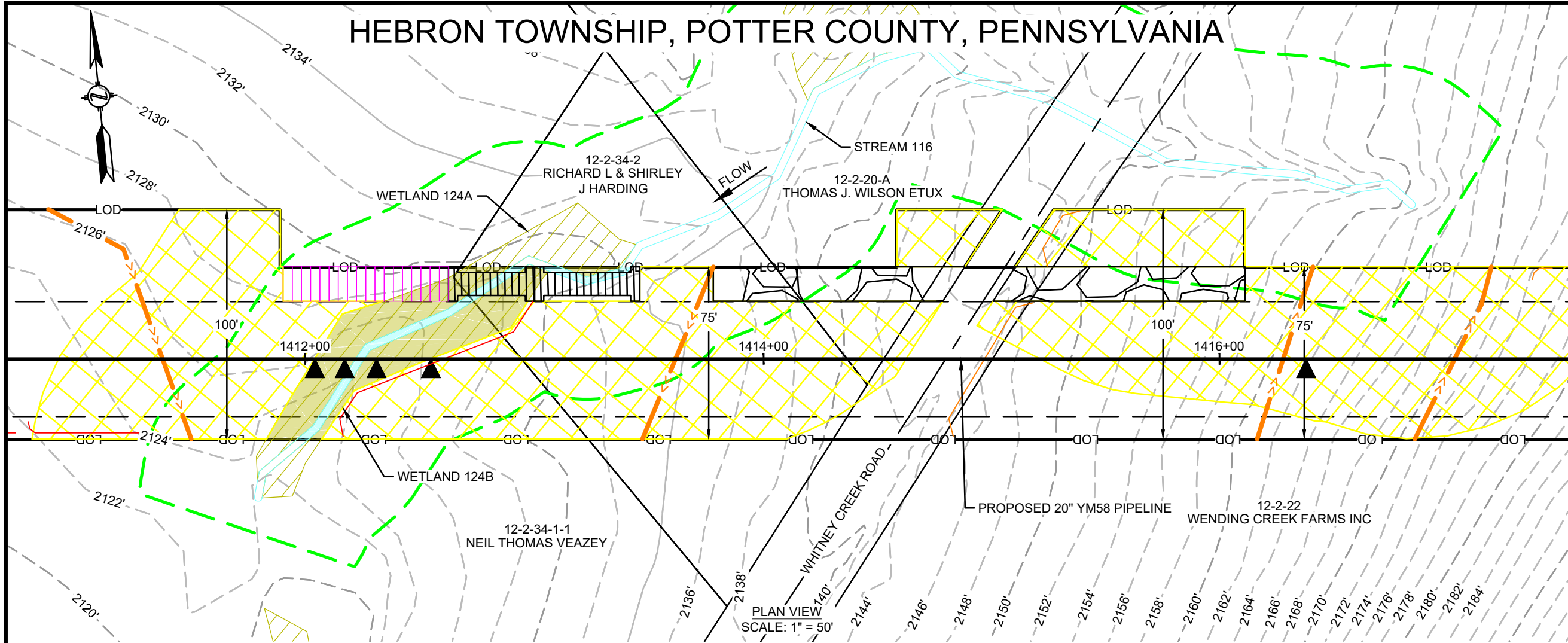
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 26.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-011	B

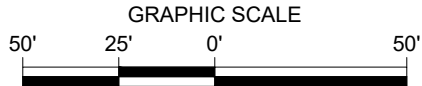
FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	FLOODWAY	WETLAND	WATERCOURSE CHANNEL	FLOODWAY		
WETLAND 125	WETLAND	0.118	-	-	0.003	-	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT

12/16/2020 2:46 PM, HECTOR MORALES
G:\NATIONAL FUEL GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFIC\WSS-POT-ML-012.DWG

HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



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

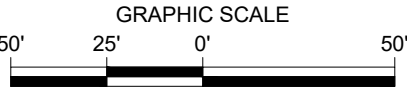
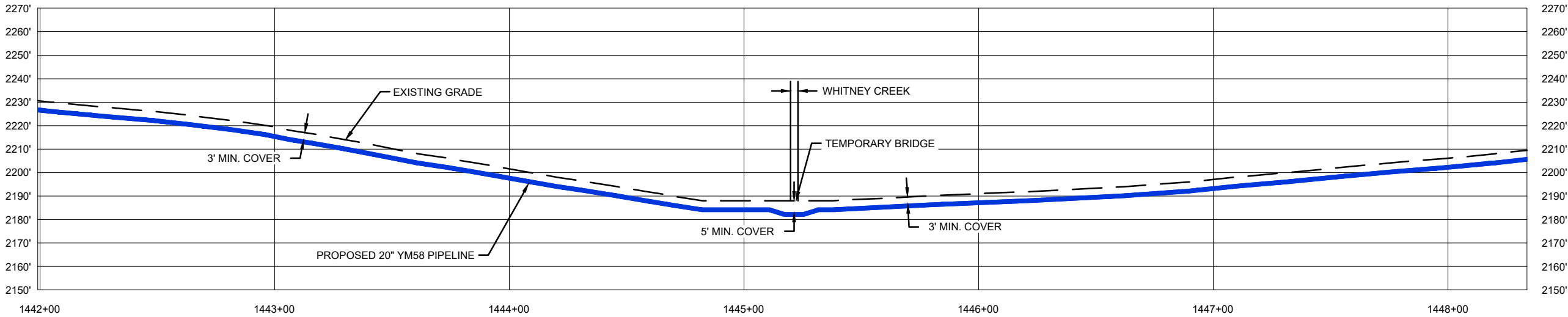
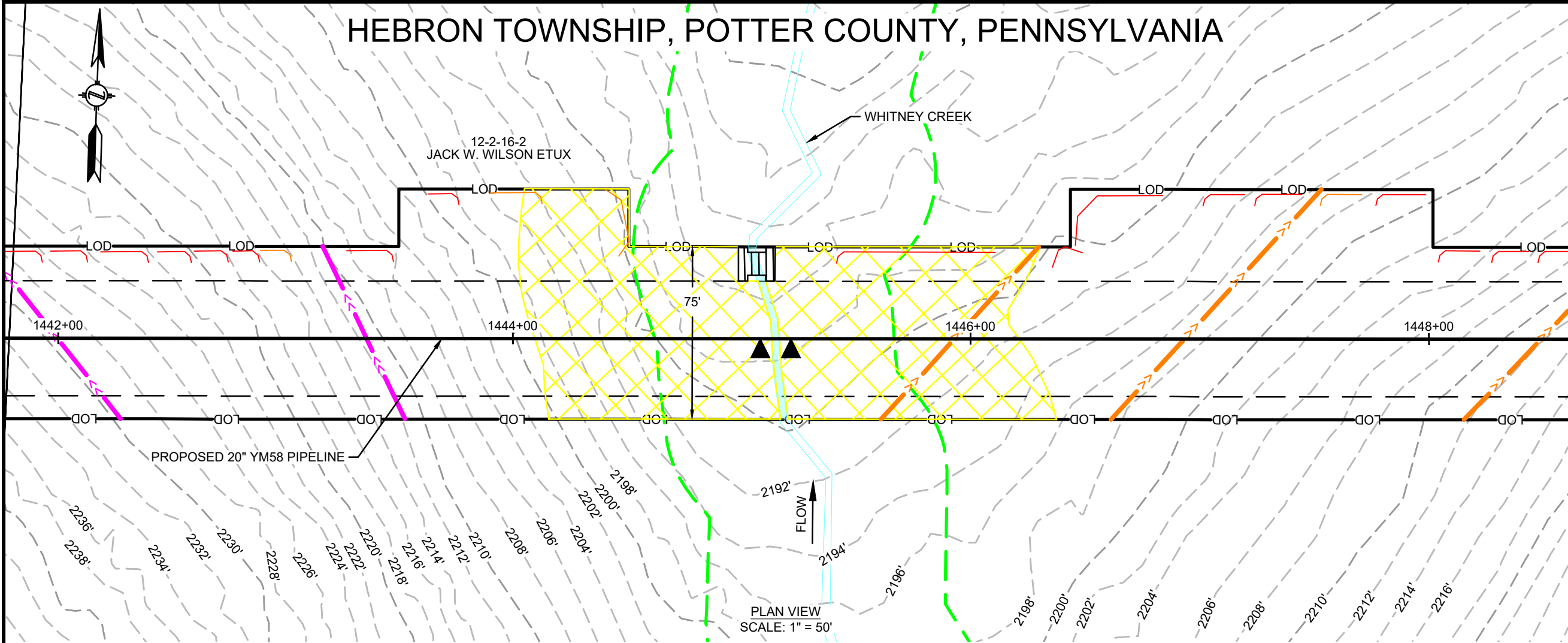
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 26.7		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-012	C

FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
WETLAND 124A	WETLAND	0.039	-	0.001	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
WETLAND 124B	WETLAND	0.031	-	0.001	-	OPEN CUT	MAT BRIDGE OR EQUIVALENT
STREAM 116	WATERBODY	-	0.012	-	<0.001	DAM AND PUMP/FLUME	MAT BRIDGE OR EQUIVALENT

12/16/2020 1:48 PM, HECTOR MORALES
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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)				PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	-	WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
		-	0.006	0.064		-	<0.001	0.118		
WHITNEY CREEK	WATERBODY	-	0.006	0.064	-	-	<0.001	0.118	DAM AND PUMP/FLUME	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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MOTT
MACDONALD

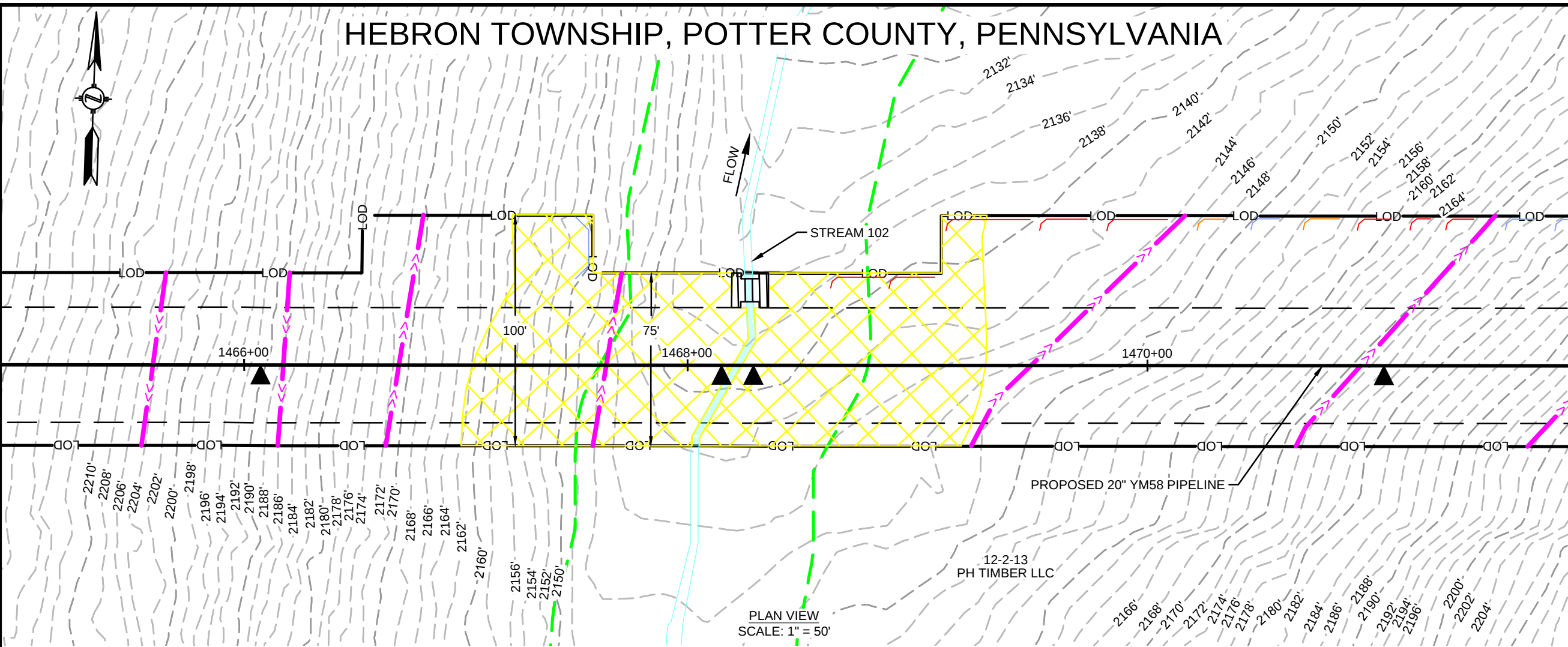
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 27.3		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-013	C

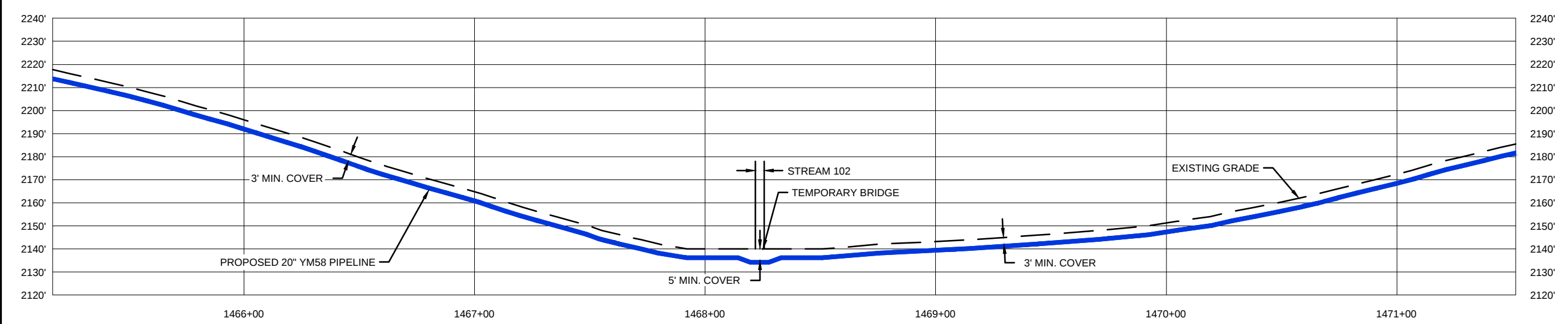
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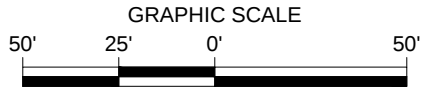
HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



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:

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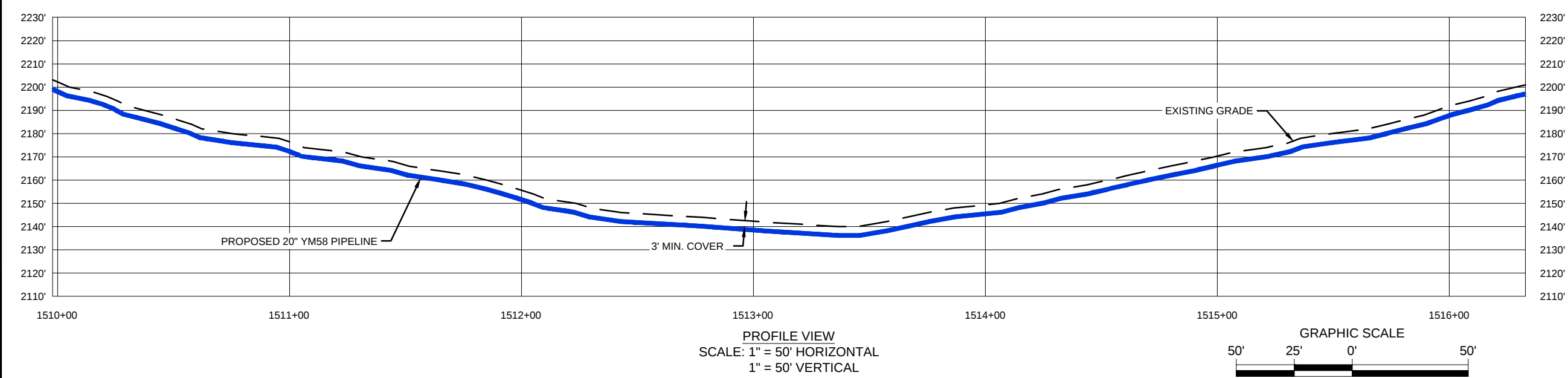
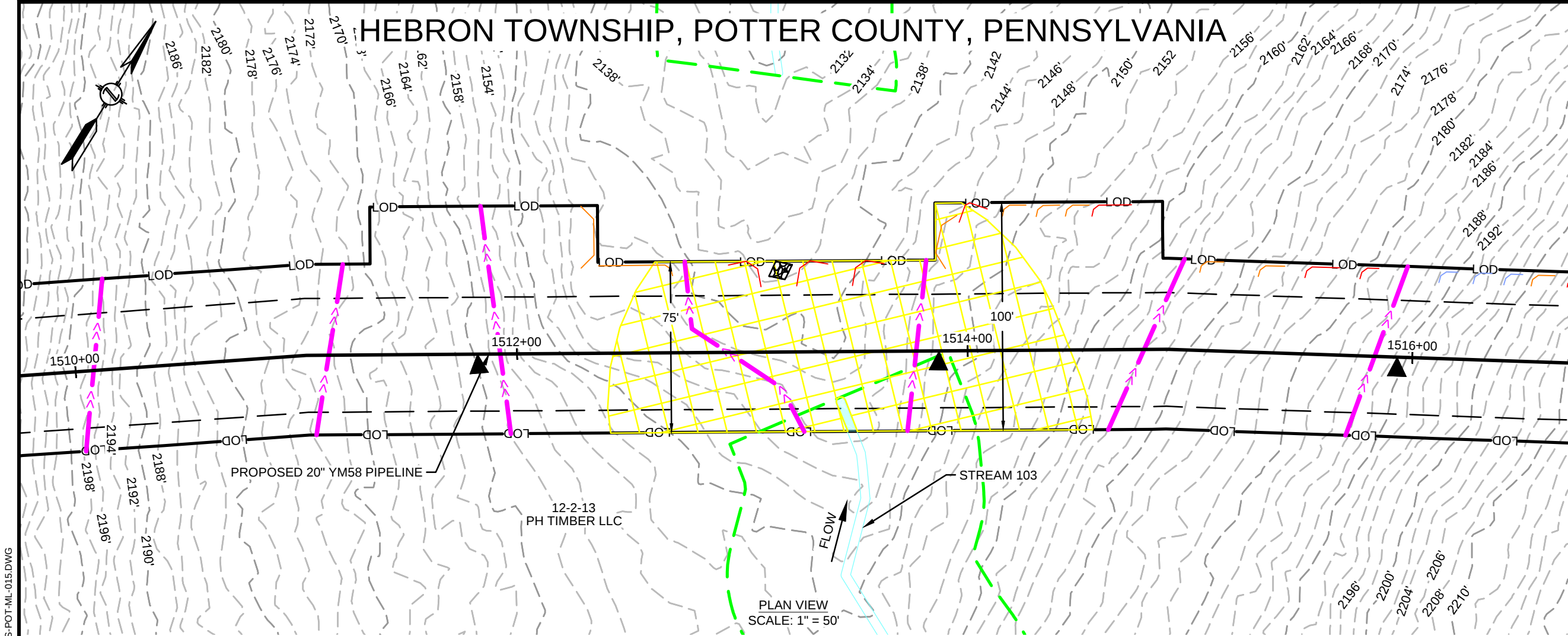
MACDONALD

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

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 27.8		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-014	B

FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)				CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	PERMANENT DISTURBANCE (ACRES)		
STREAM 102	WATERBODY	-	0.006	0.059	-	DAM AND PUMP/FLUME	MAT BRIDGE OR EQUIVALENT

9/4/2020 1:54 PM, HECTOR MORALES
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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

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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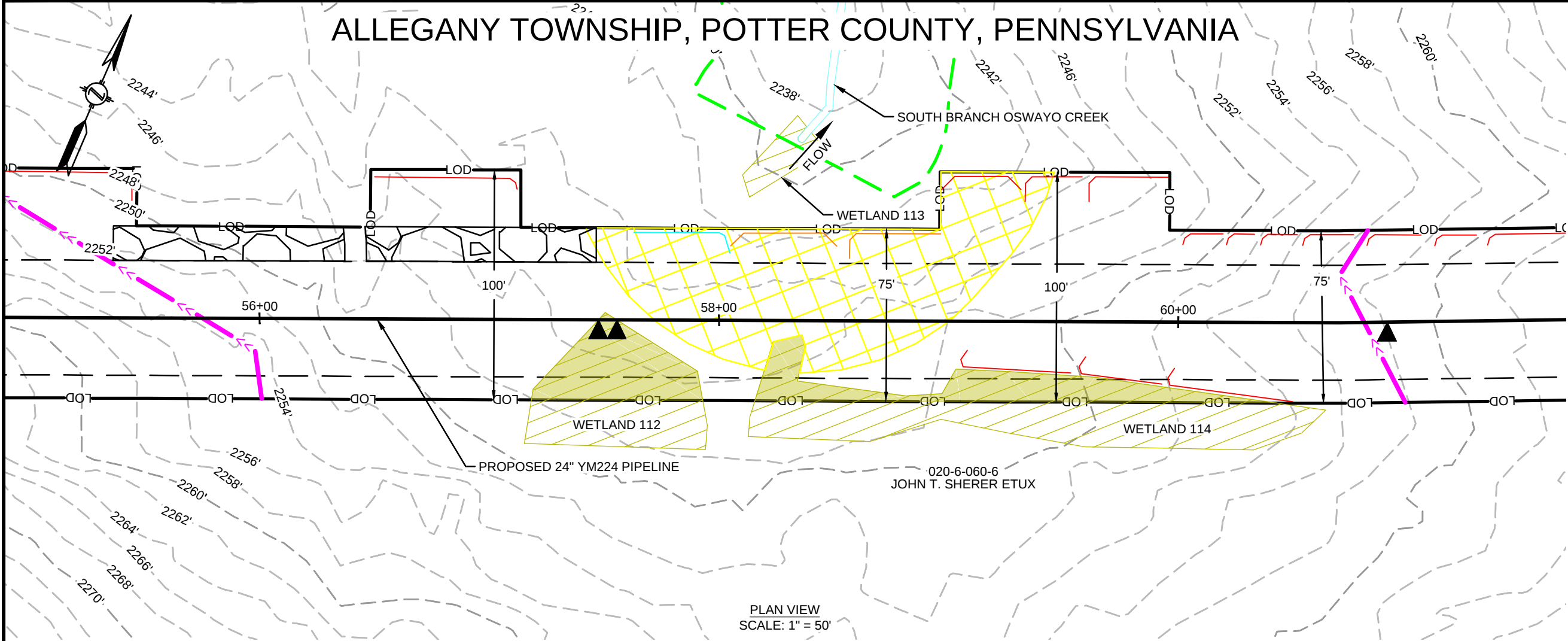
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MACDONALD

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

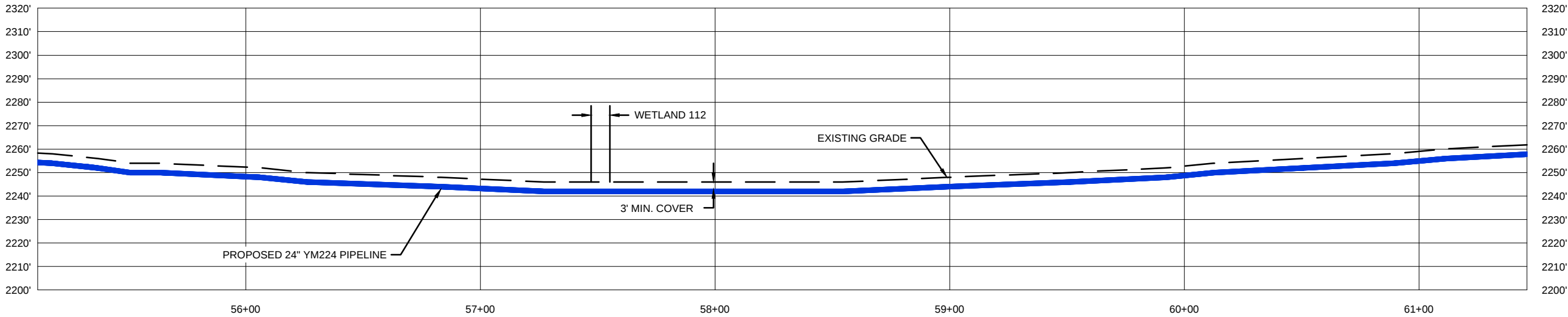
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 28.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-015	B

FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)		PERMANENT DISTURBANCE (ACRES)		CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WETLAND	WATERCOURSE CHANNEL		
STREAM 103	WATERBODY	-	0.001	-	0.019	N/A - WORKSPACE	N/A

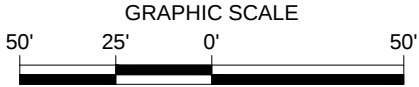
ALLEGANY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



PLAN VIEW
SCALE: 1" = 50'



PROFILE VIEW
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
WETLAND 114	WETLAND	0.046	-	-	-	-	-	N/A - WORKSPACE	N/A
WETLAND 112	WETLAND	0.039	-	-	<0.001	-	-	OPEN CUT	N/A

9/4/2020 11:44 AM: HECTOR MORALES
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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

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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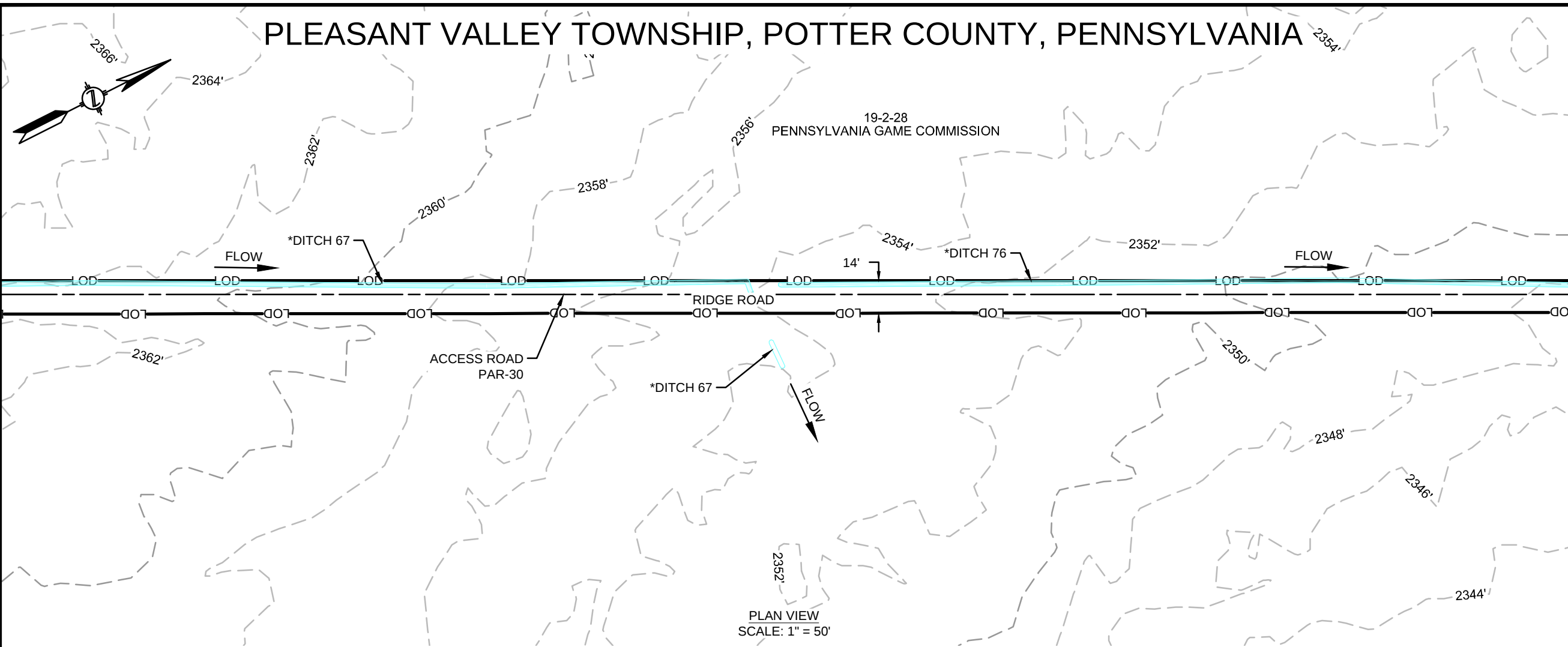
MOTT
MACDONALD

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

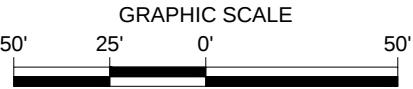
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 24" YM224 PIPELINE ALLEGANY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 01.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-ML-016	B

12/18/2020 12:32 PM - HECTOR MORALES
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PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 67 & DITCH 76 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



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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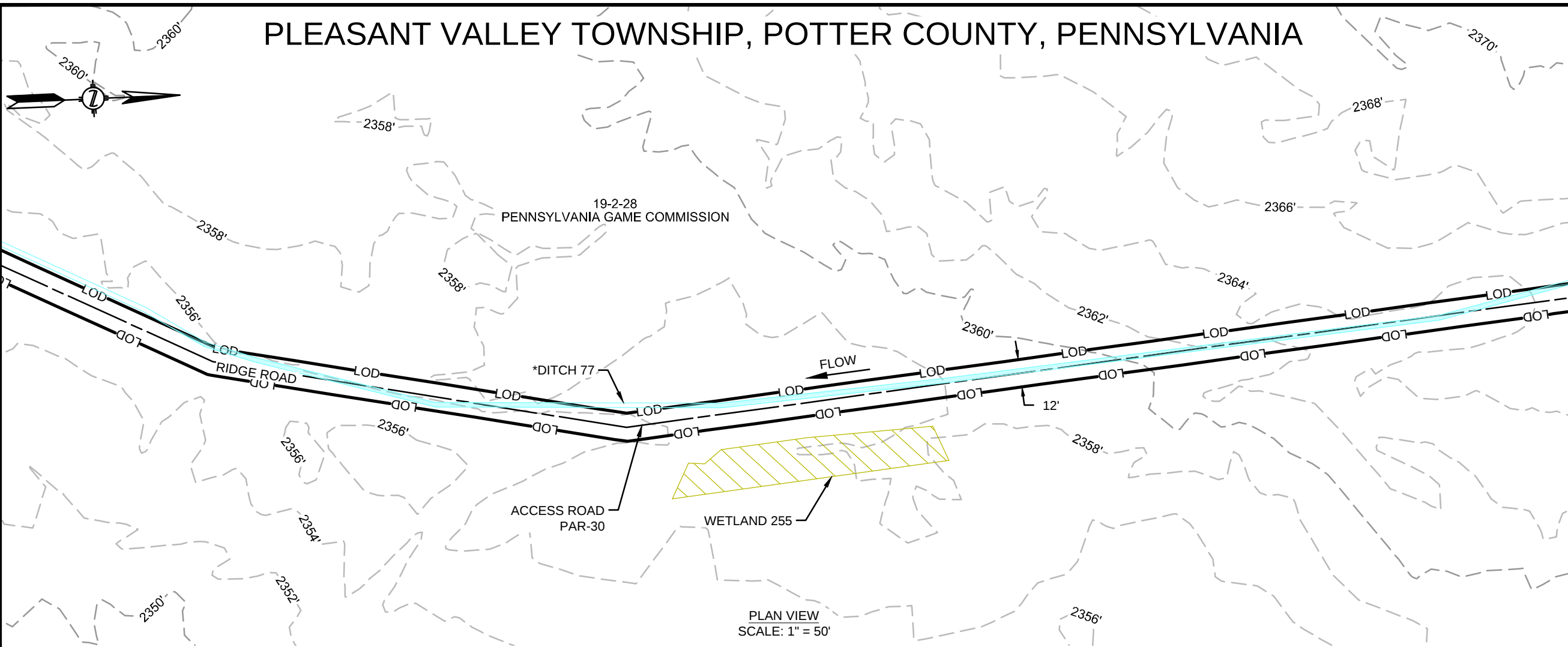
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MACDONALD

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

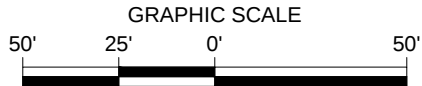
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FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.1	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 77 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



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

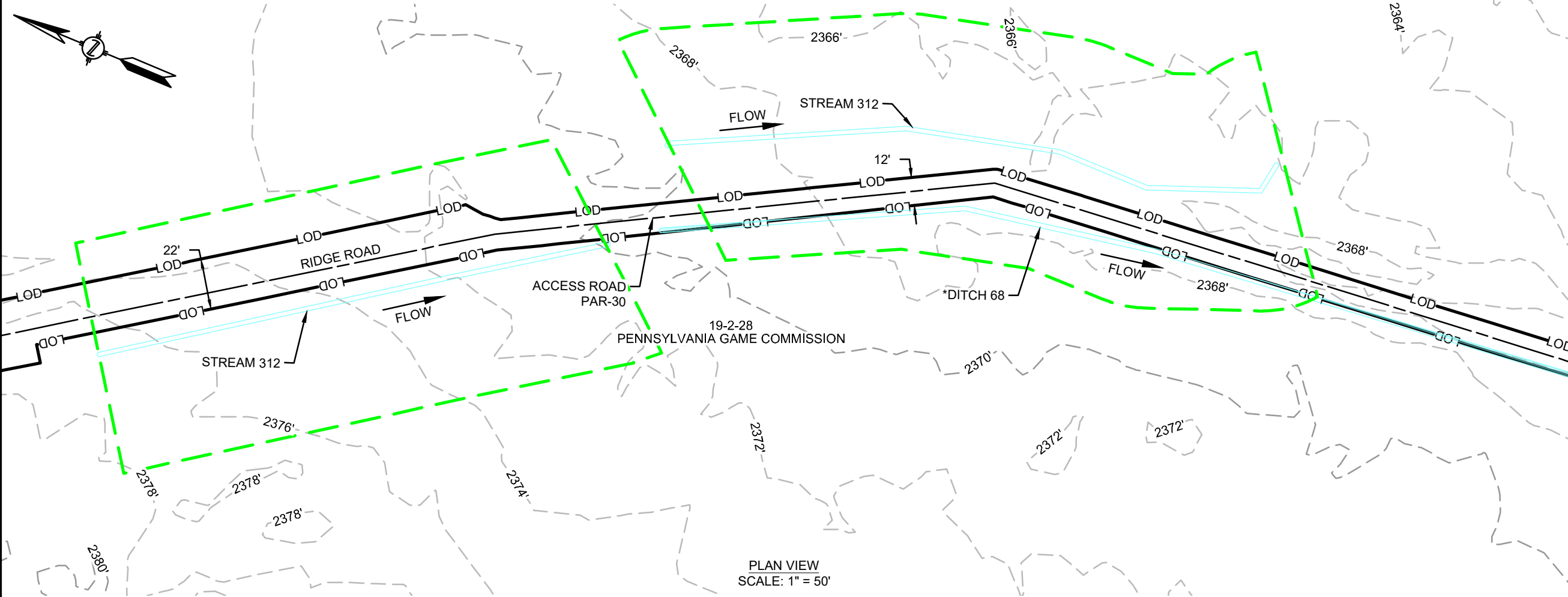
M

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MACDONALD

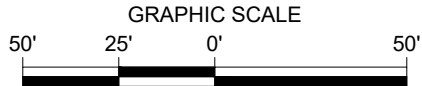
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.2	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 68 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



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 312	WATERBODY	-	-	0.178		-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A

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

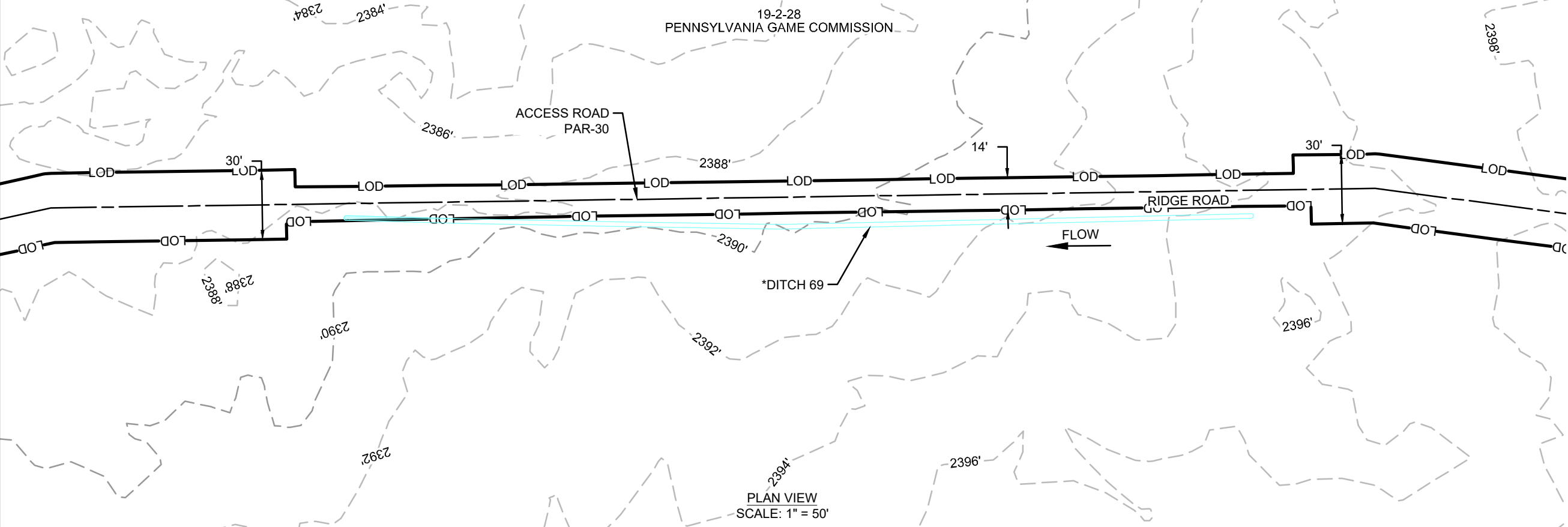
M

MOTT MACDONALD

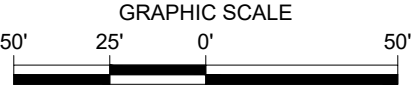
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.3	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 69 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



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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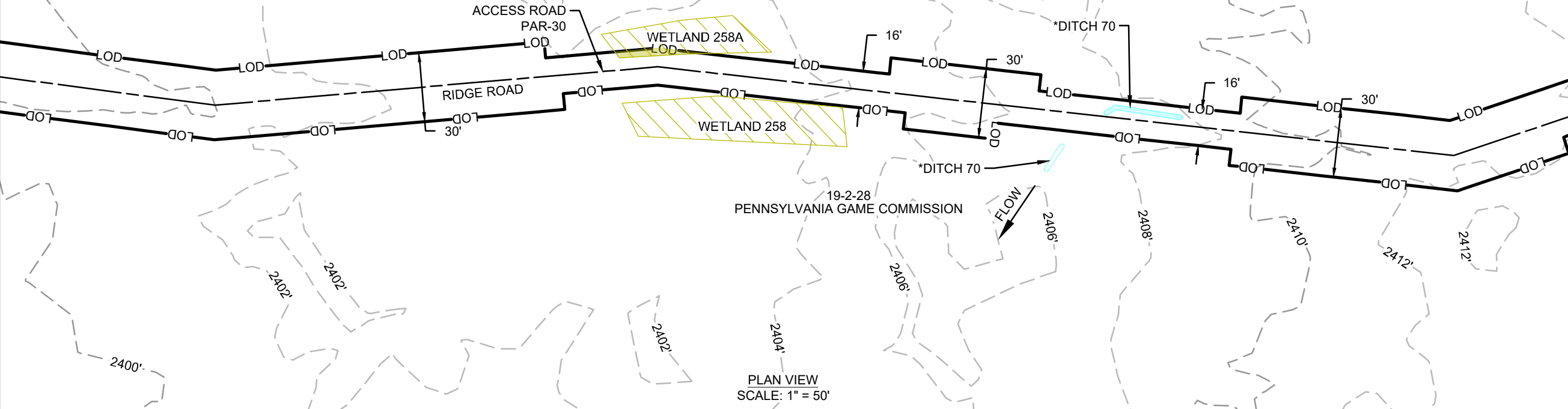
M

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MACDONALD

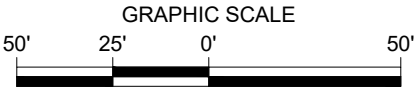
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.4	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 70 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



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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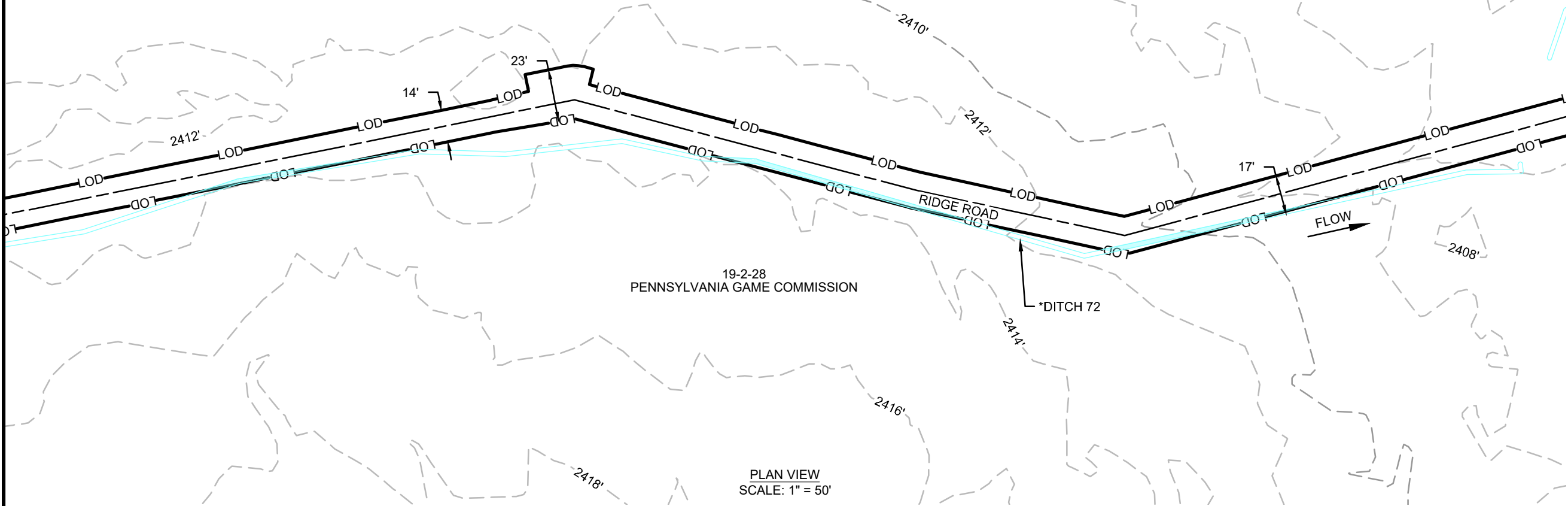
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MACDONALD

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

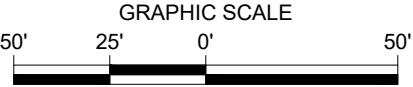
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.5	C

FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)				PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
WETLAND 258A	WETLAND	0.002	-	-	-	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 72 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



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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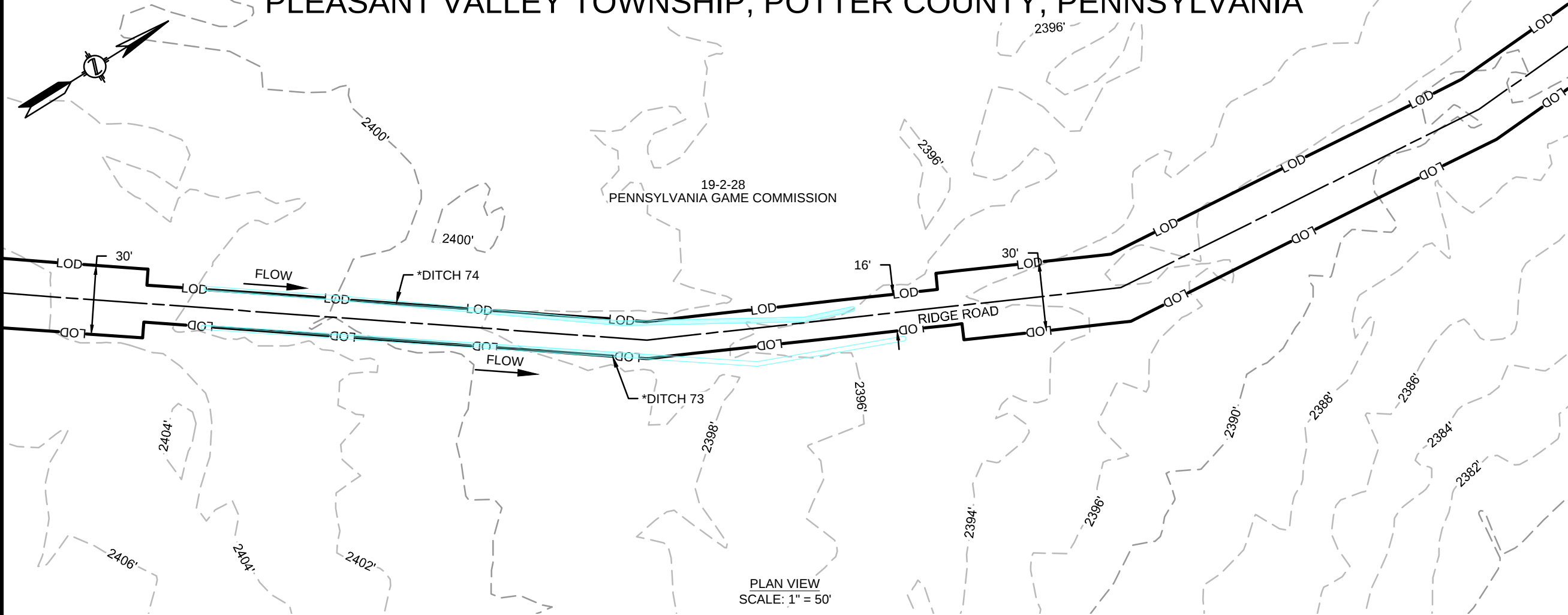
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MACDONALD

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

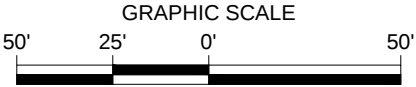
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.6	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 73 & DITCH 74 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.

PLAN VIEW
SCALE: 1" = 50'



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

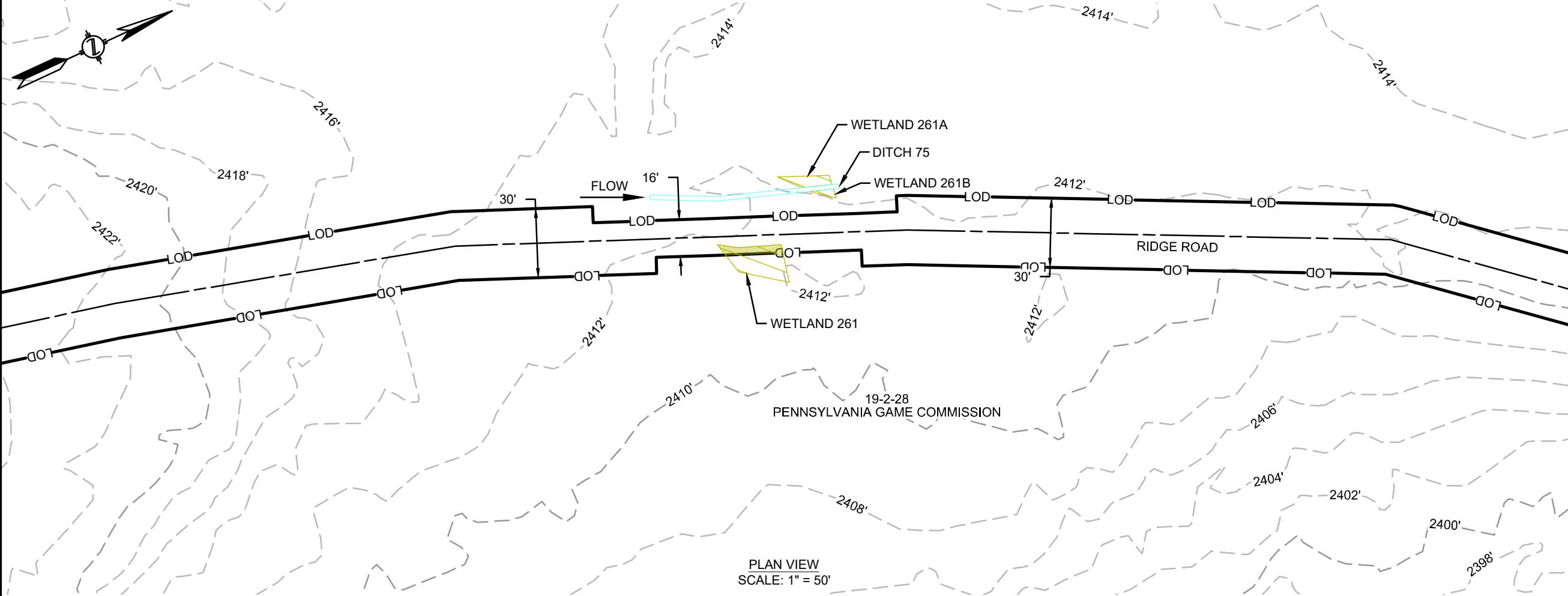
M

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MACDONALD

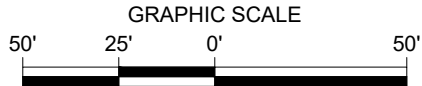
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.7	C

PLEASANT VALLEY TOWNSHIP, POTTER 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		
WETLAND 261	WETLAND	0.002	-	-	-	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A

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

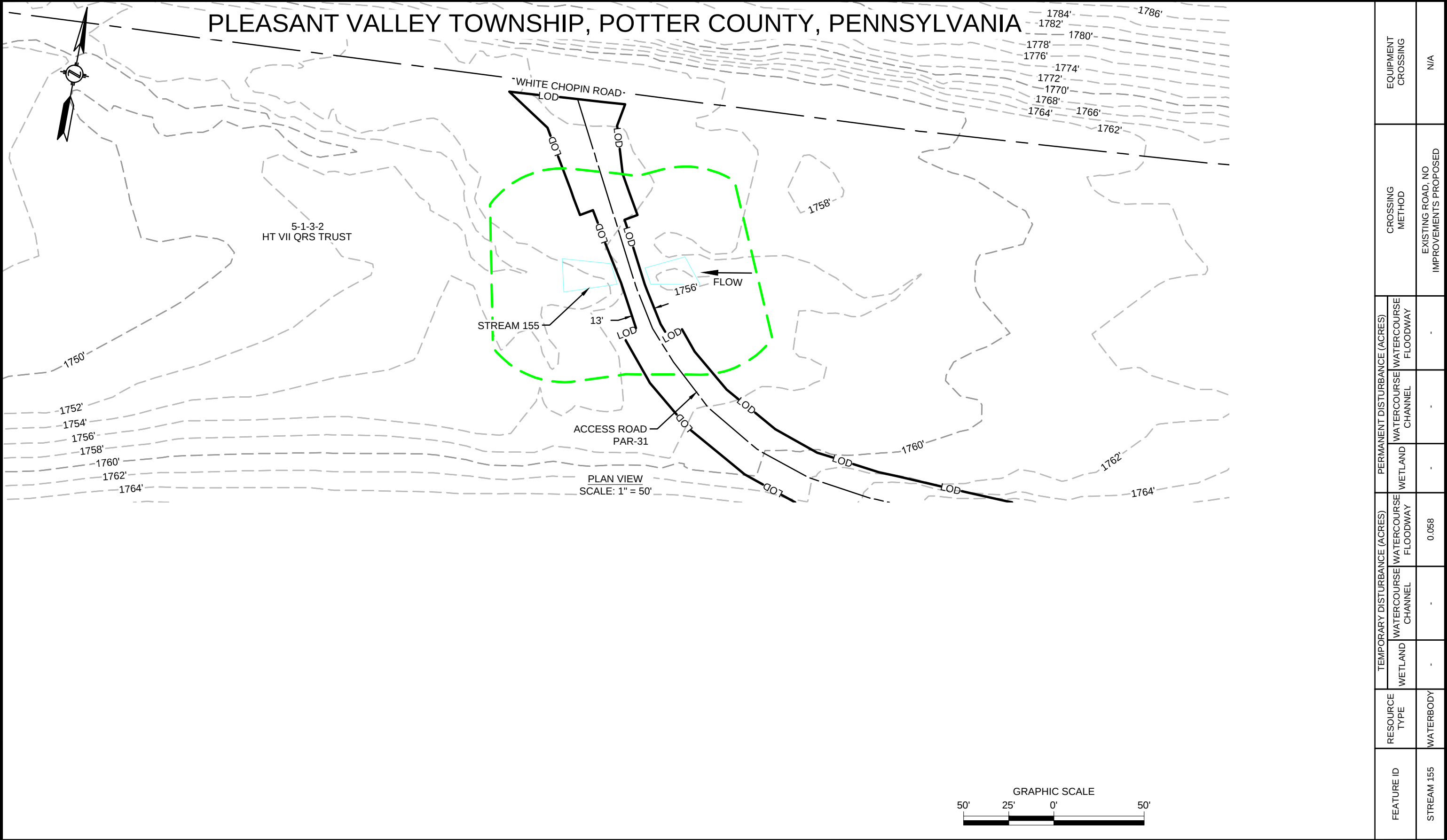
M

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MACDONALD

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

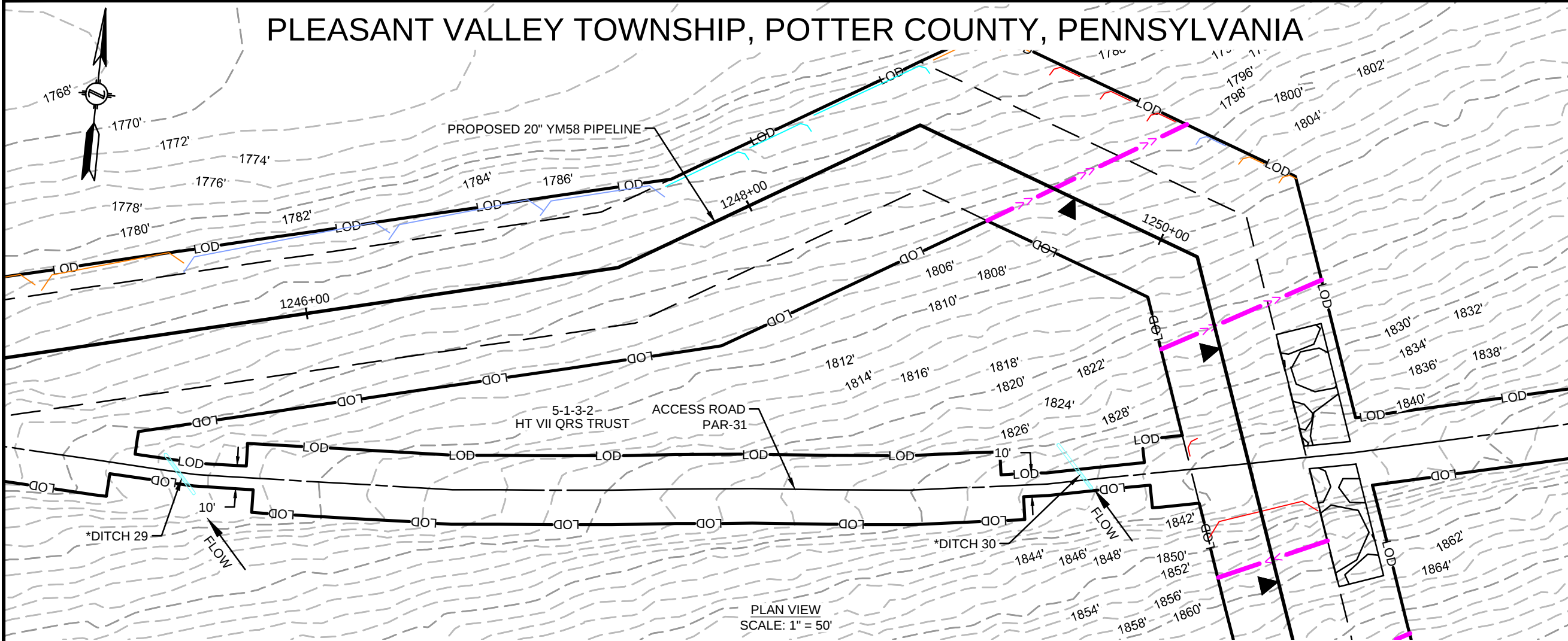
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 21.2		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-001.8	C

9/4/2020 1:32 PM, HECTOR MORALES
G:\NATIONAL FUEL GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATER SPECIFICS\WSS-POT-AR-002.DWG



REVISIONS						APPROVALS		PREPARED FOR:  National Fuel SUPPLY CORPORATION	PREPARED BY: M M MOTT MACDONALD 111 WOOD AVENUE SOUTH ISELIN, NJ 08830 UNITED STATES 973-379-3400 INFO@MOTTMAC.COM	FM100 MODERNIZATION PROJECT		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE			WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.5		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019					
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE					
						KEK (MM)	07/2019					
						ENG. APPROVAL	DATE					
						MJD (MM)	07/2019					
						P.M. APPROVAL	DATE					

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 29 & DITCH 30 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.

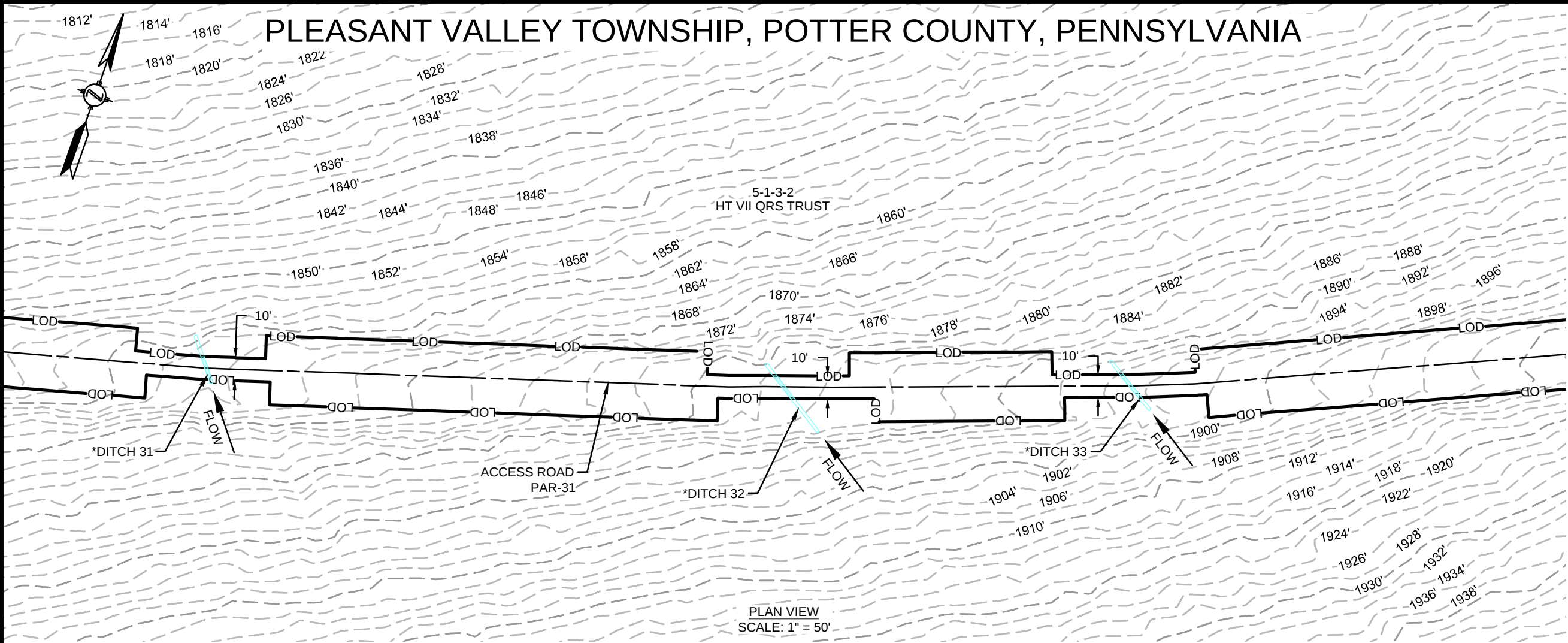
PLAN VIEW
SCALE: 1" = 50'



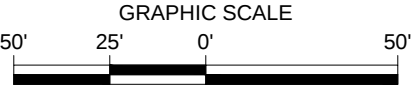
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G:\NATIONAL FUEL\GAS\388597_FM100_MODERNIZATION_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFICS\WSS-POT-AR-003.DWG

REVISIONS						APPROVALS		PREPARED FOR:	PREPARED BY:		FM100 MODERNIZATION PROJECT		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE		M MOTT MACDONALD	111 WOOD AVENUE SOUTH ISELIN, NJ 08830 UNITED STATES 973-379-3400 INFO@MOTTMAC.COM	WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.6		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019				SCALE		
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE				DRAWING NO.		
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD	ENG. APPROVAL	DATE				REVISION		
						MJD (MM)	07/2019				1" = 50'	WSS-POT-AR-003	C
						P.M. APPROVAL	DATE						

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*DITCH 31, DITCH 32 & DITCH 33 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



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:

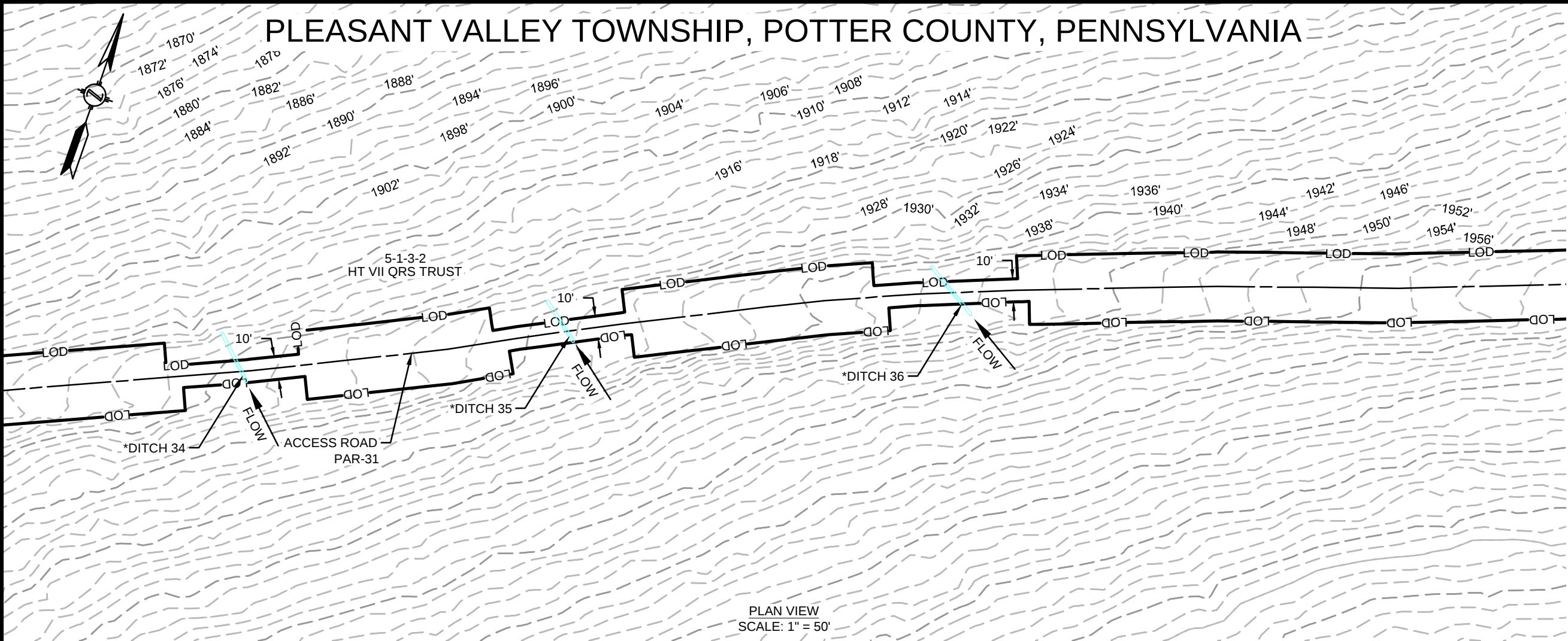
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MOTT
MACDONALD

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

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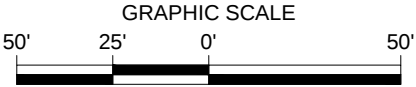
FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-004	C

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*DITCH 34, DITCH 35 & DITCH 36 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.

PLAN VIEW
SCALE: 1" = 50'



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:



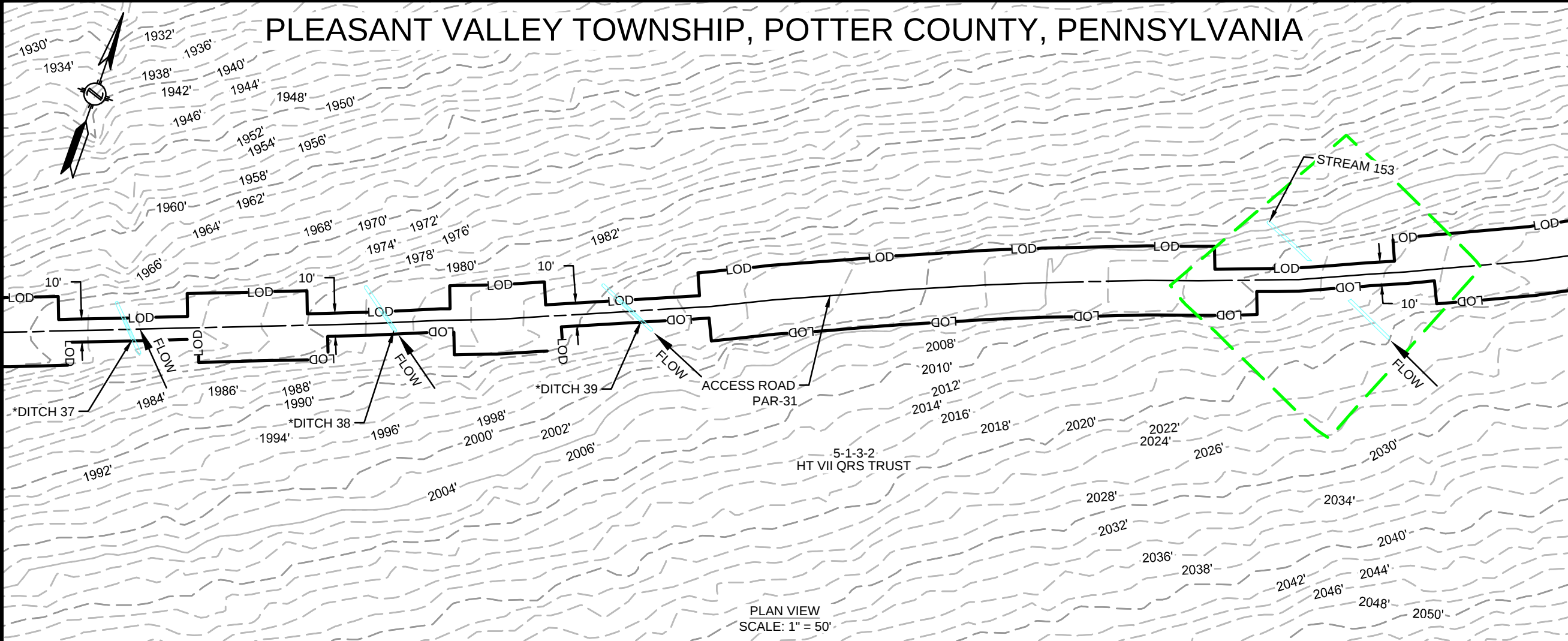
PREPARED BY:

MOTT MACDONALD

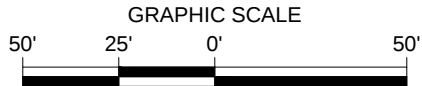
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-005	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 37, DITCH 38 & DITCH 39 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



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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MACDONALD

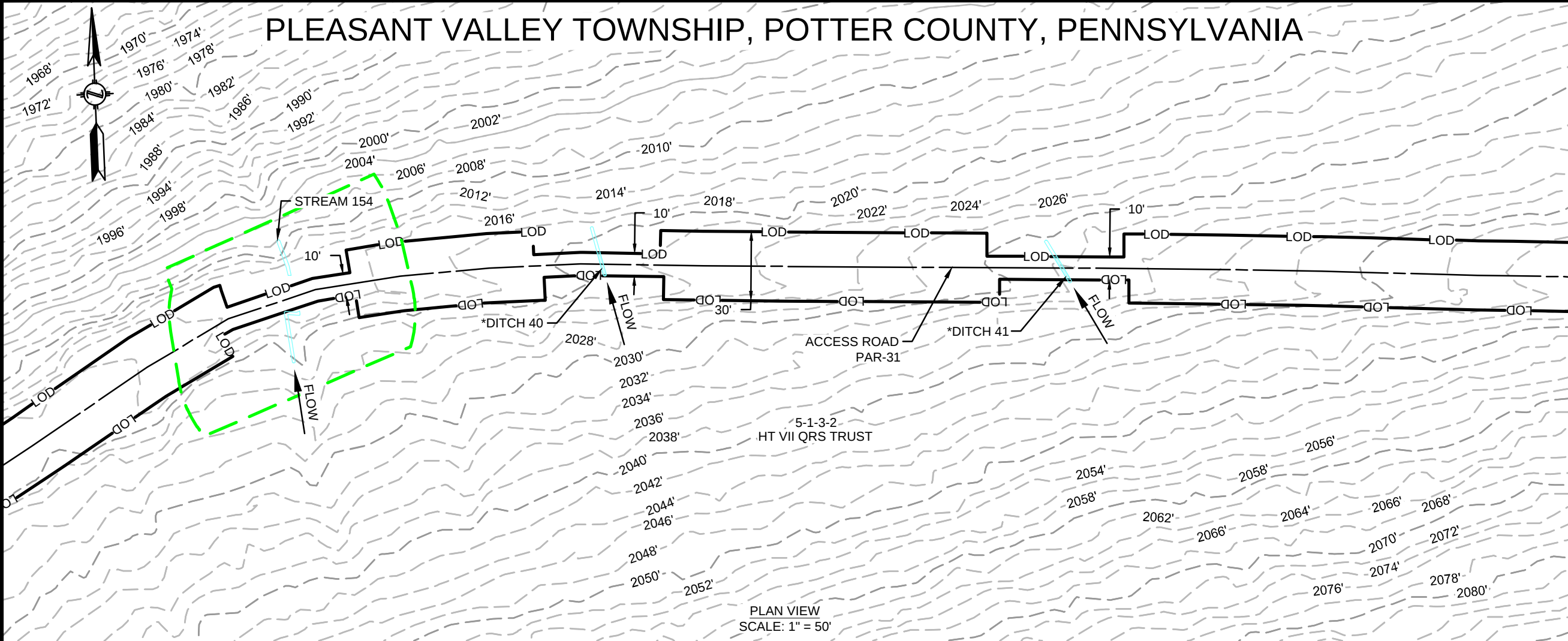
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

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FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-006	C

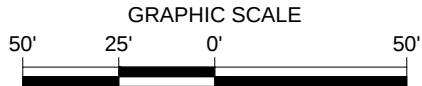
FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)				PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
STREAM 153	WATERBODY	-	-	0.047		-	-	-	N/A - WORKSPACE	N/A

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 40 & DITCH 41 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.

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 154	WATERBODY	-	<0.001	0.048		-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A

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:

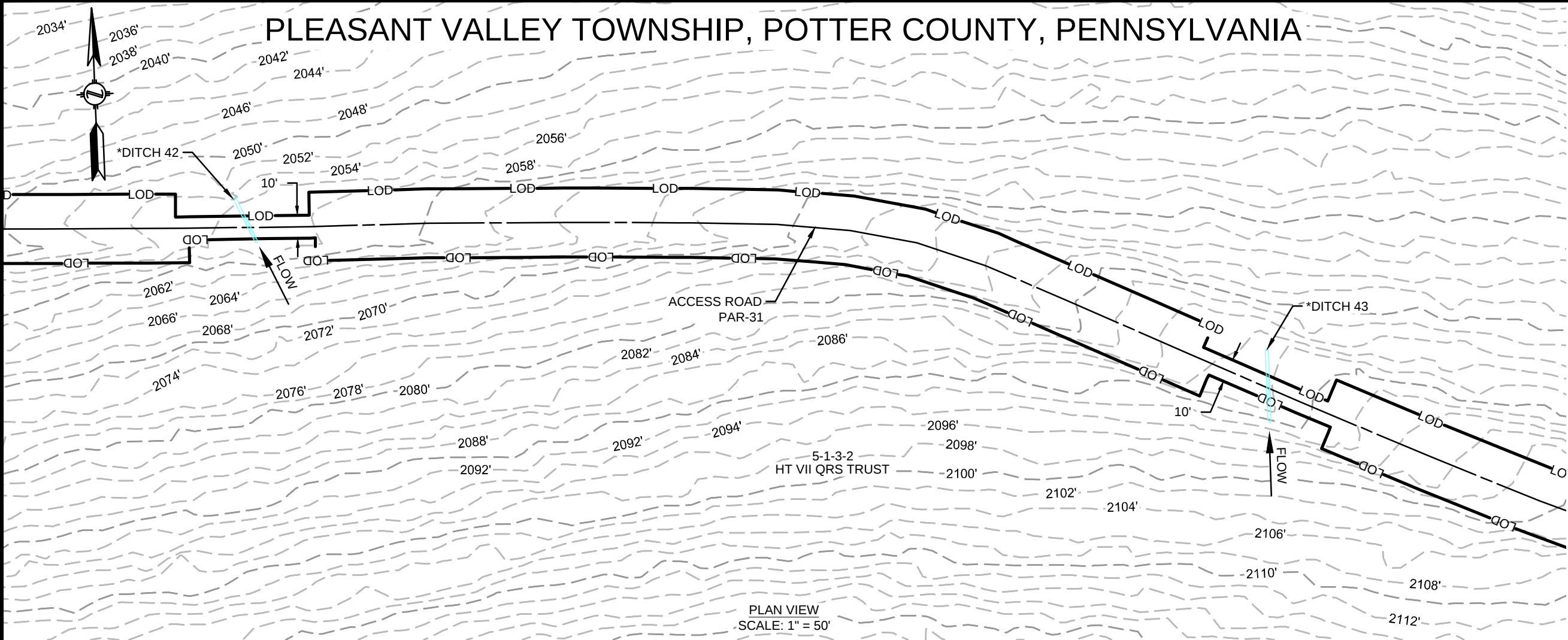
PREPARED BY:

M M
MOTT MACDONALD

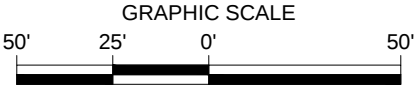
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-007	C

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*DITCH 42 & DITCH 43 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



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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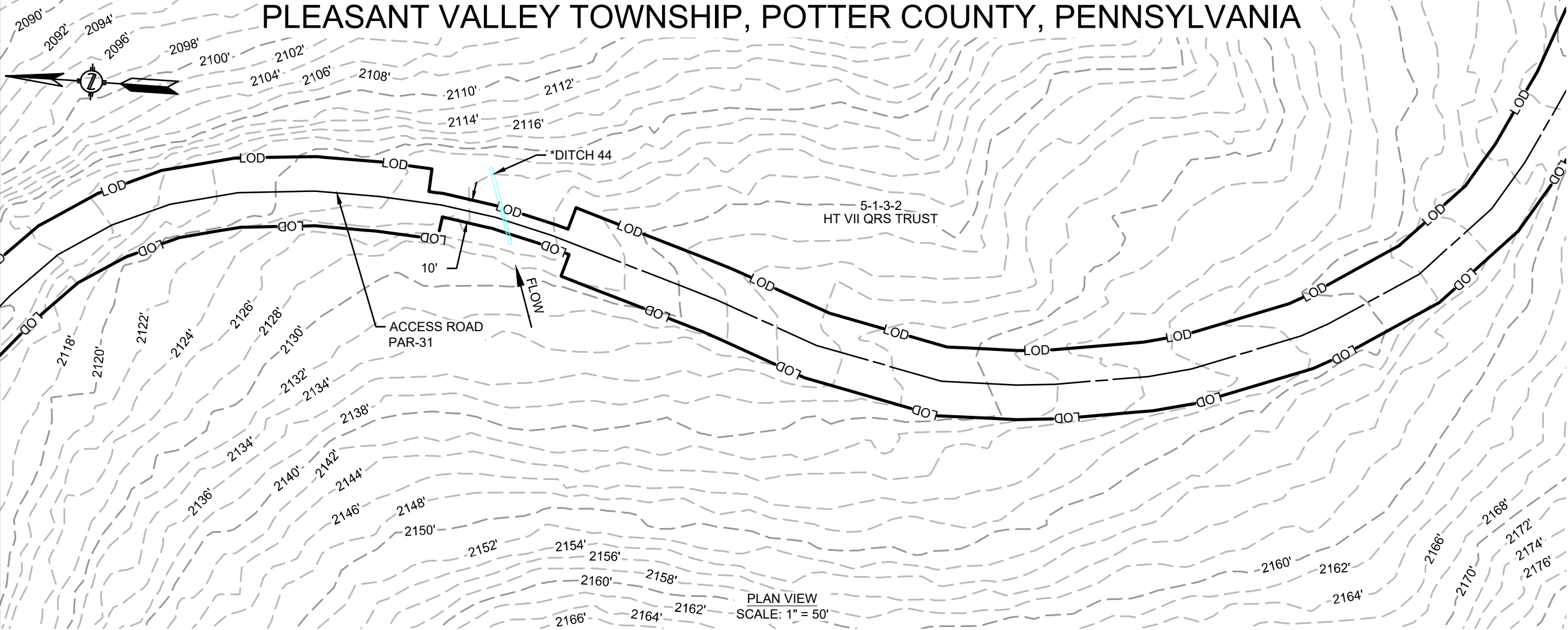
M

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MACDONALD

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

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 23.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-008	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 44 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.

PLAN VIEW
SCALE: 1" = 50'



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:



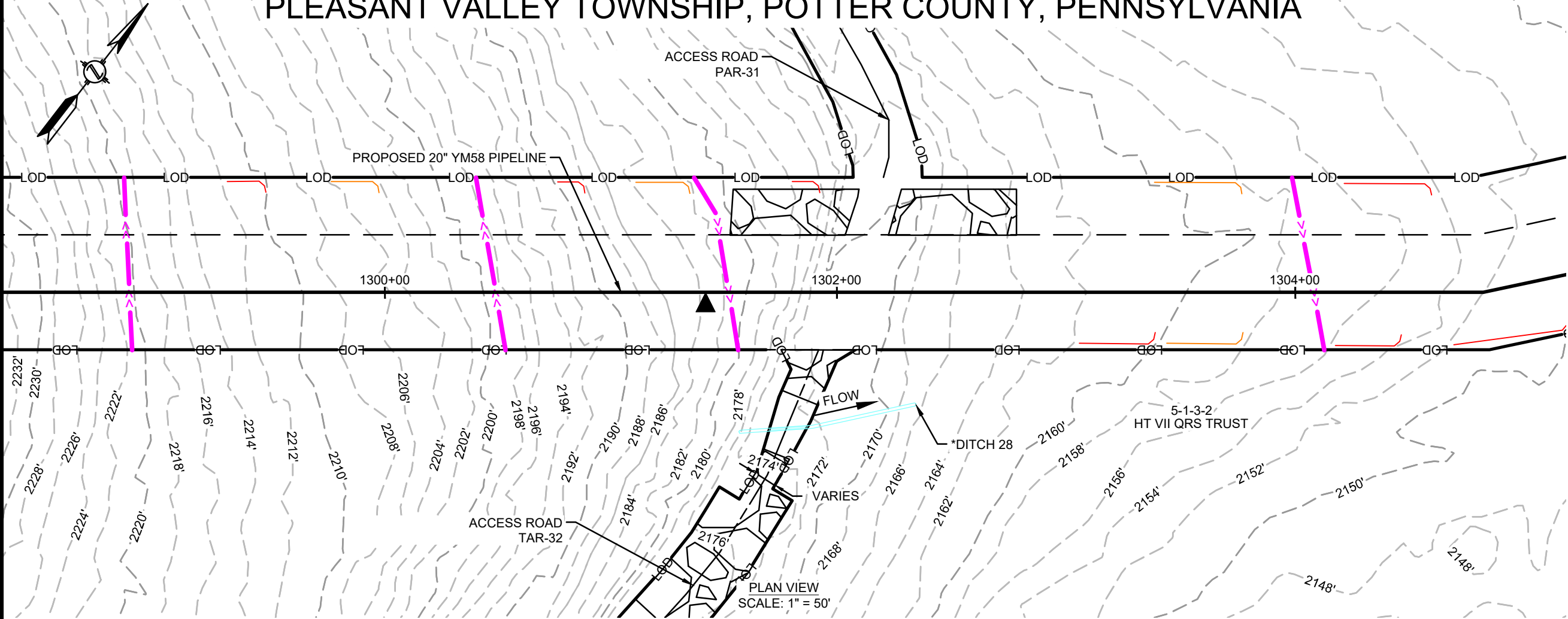
PREPARED BY:

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MOTT
MACDONALD

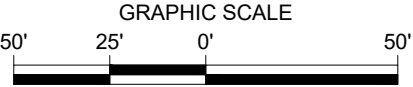
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 24.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-009	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 28 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



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

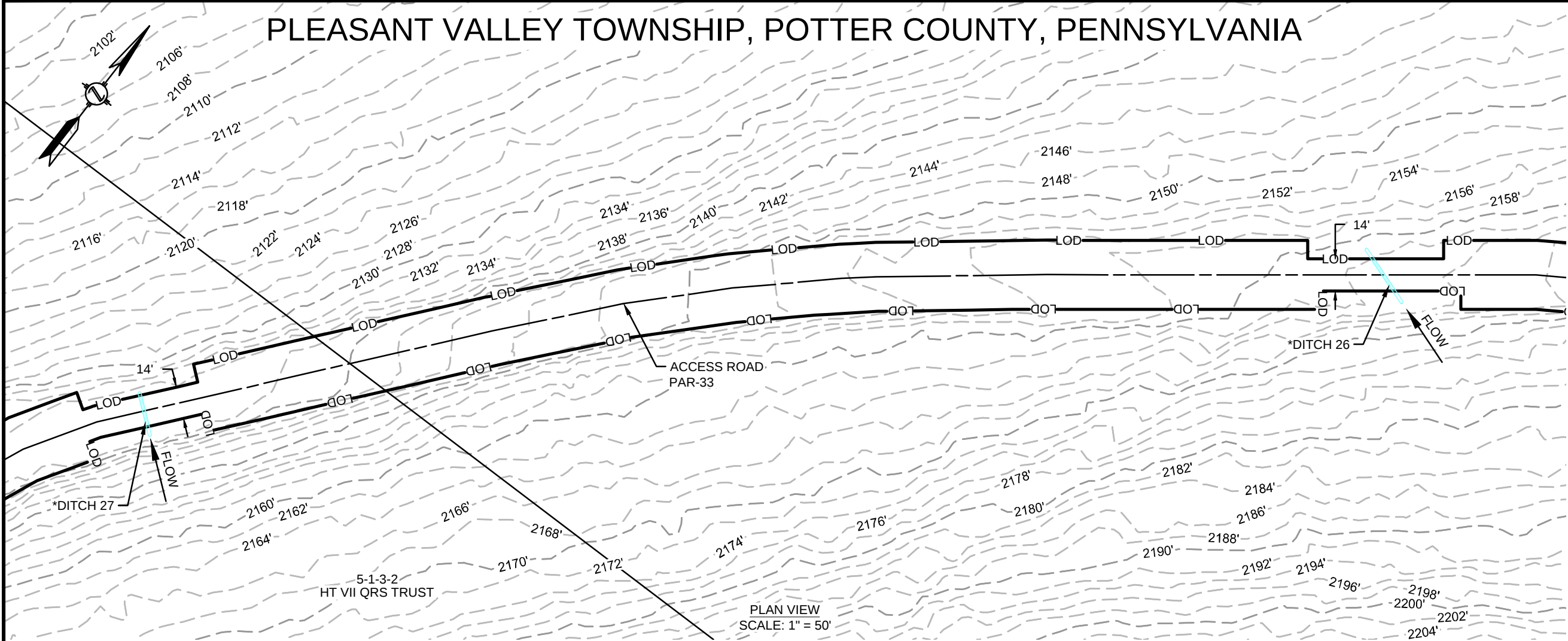
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MACDONALD

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

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 24.6		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-010	C

PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 26 & DITCH 27 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



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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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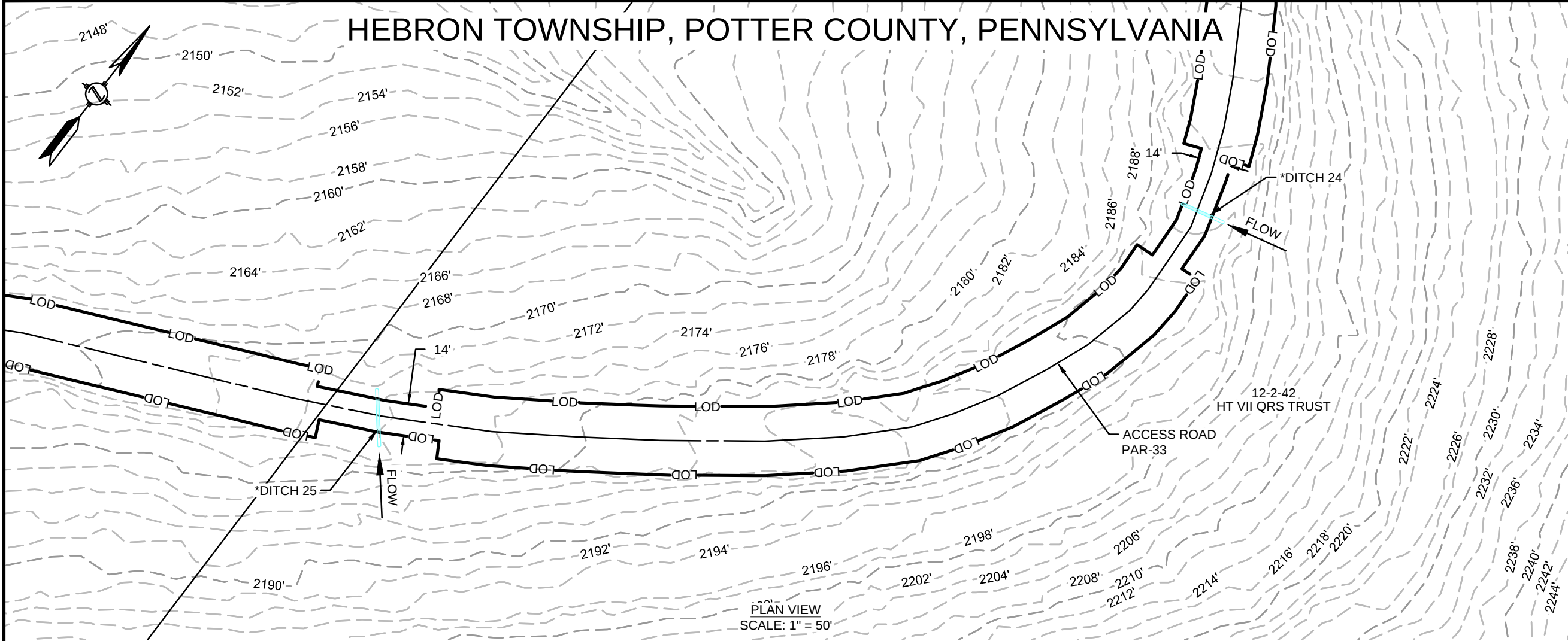
MOTT
MACDONALD

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

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PLEASANT VALLEY TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-011	C

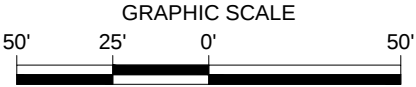
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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 24 & DITCH 25 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.

PLAN VIEW
SCALE: 1" = 50'



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

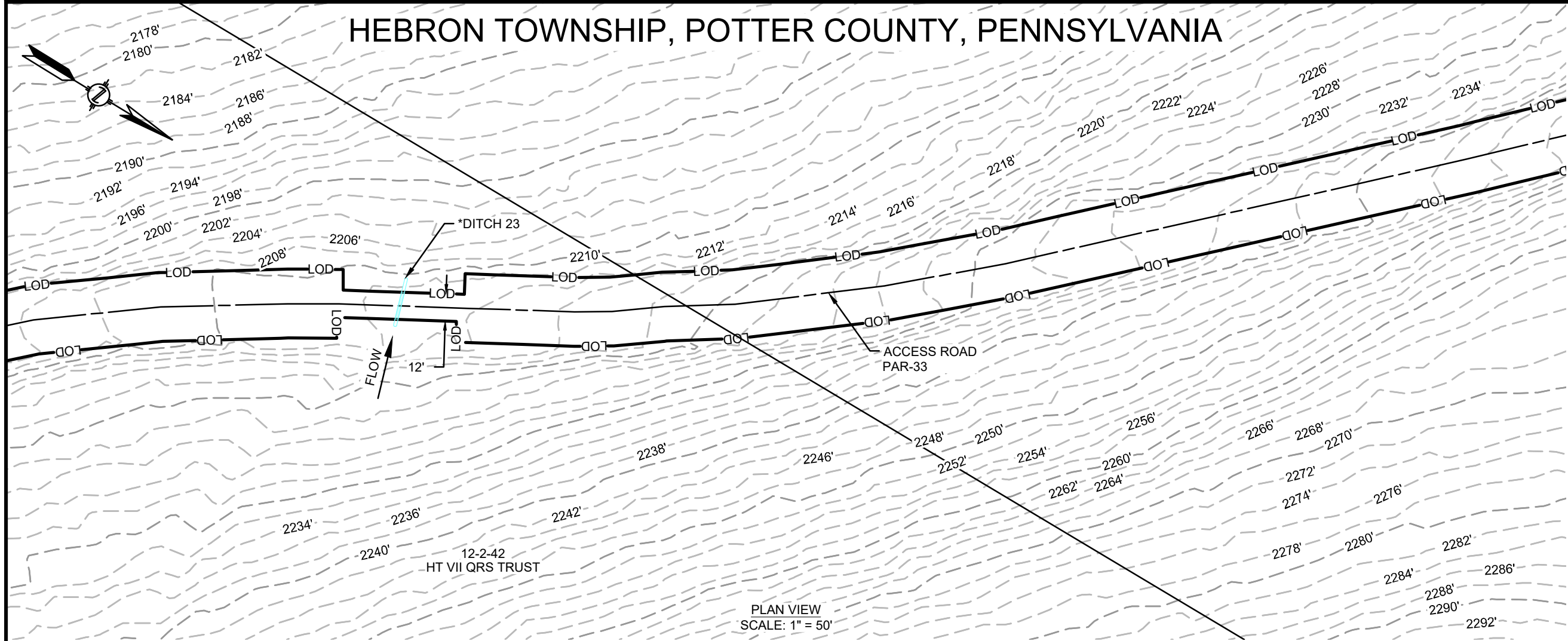
111 WOOD AVENUE
SOUTH ISELIN, NJ 08830
UNITED STATES
973-379-3400
INFO@MOTTMAC.COM

FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-012	C

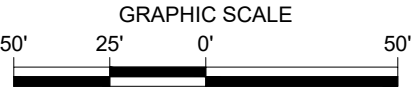
12/18/2020 9:32 AM, HECTOR MORALES

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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



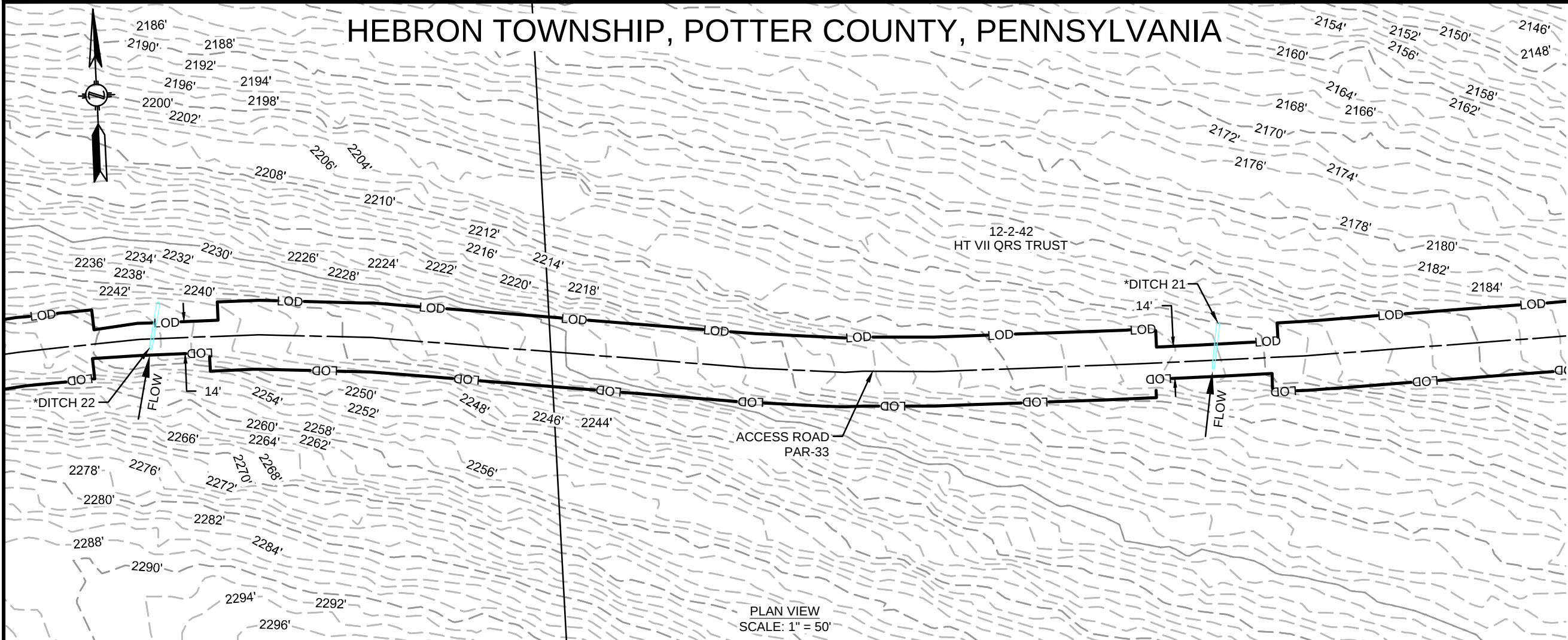
*DITCH 23 DOES NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, IT IS NOT A REGULATED WATER AND IS NOT INCLUDED ON THE ARIT TABLE.



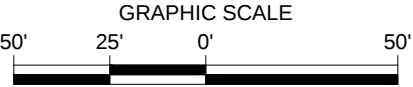
REVISIONS						APPROVALS		PREPARED FOR: 	PREPARED BY: M MOTT MACDONALD 111 WOOD AVENUE SOUTH ISELIN, NJ 08830 UNITED STATES 973-379-3400 INFO@MOTTMAC.COM	FM100 MODERNIZATION PROJECT		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE			WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.1		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019			SCALE		
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE			DRAWING NO.		
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD	ENG. APPROVAL	DATE			REVISION		
						MJD (MM)	07/2019			1" = 50'		
						P.M. APPROVAL	DATE			WSS-POT-AR-013		
										C		

12/18/2020 1:03 PM, HECTOR MORALES
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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



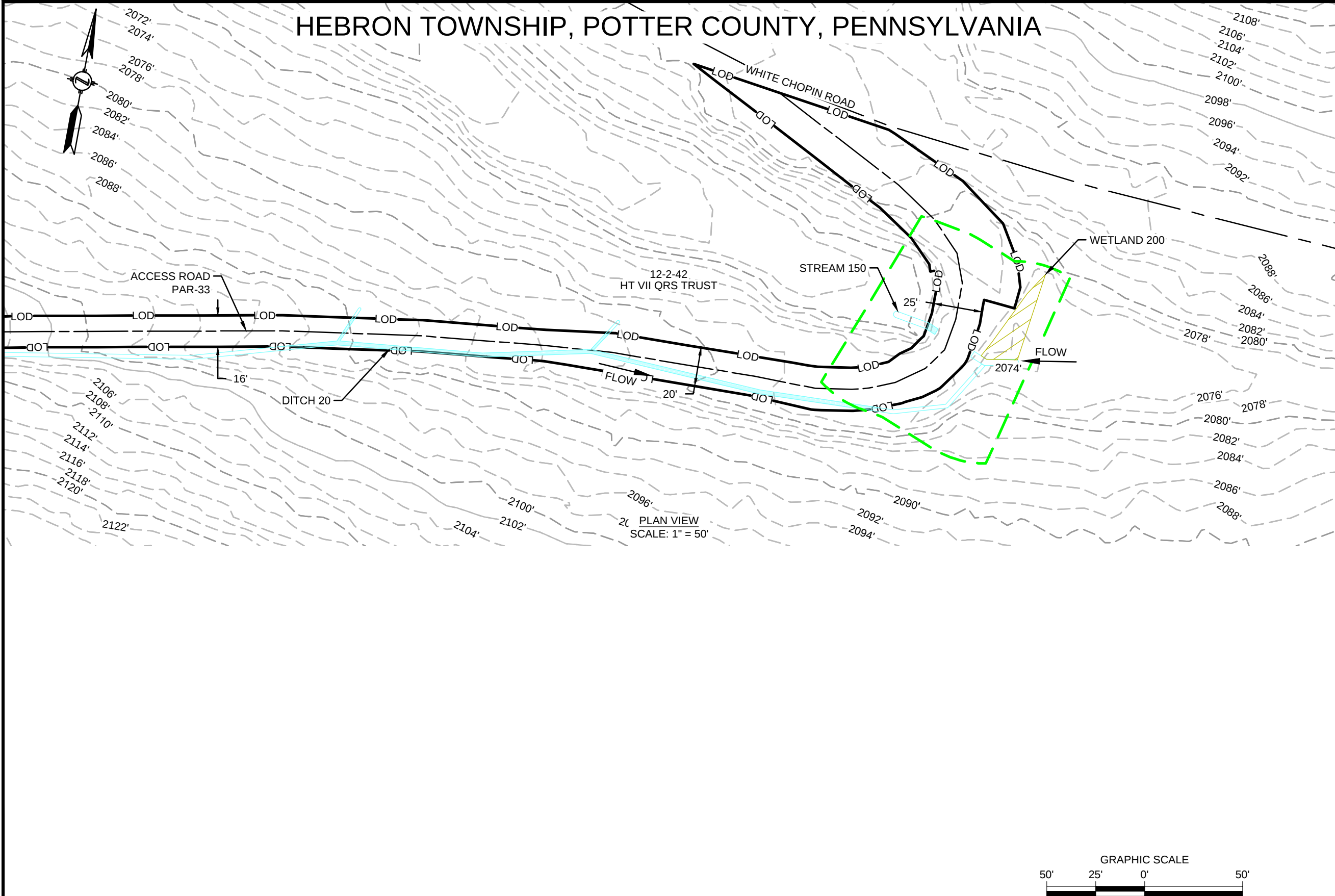
*DITCH 21 & DITCH 22 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



REVISIONS						APPROVALS		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		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE			WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.1		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019					
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE					
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD	KEK (MM)	07/2019					
						ENG. APPROVAL	DATE					
						MJD (MM)	07/2019			SCALE		
						P.M. APPROVAL	DATE			DRAWING NO.		
										REVISION		
										1" = 50'	WSS-POT-AR-014	C

9/9/2020 1:14 PM, HECTOR MORALES
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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



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:



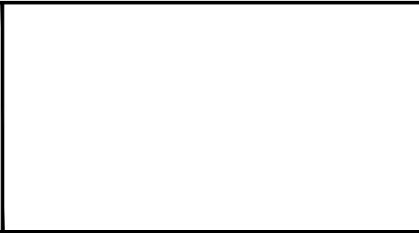
PREPARED BY:

M

M

MOTT
MACDONALD

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

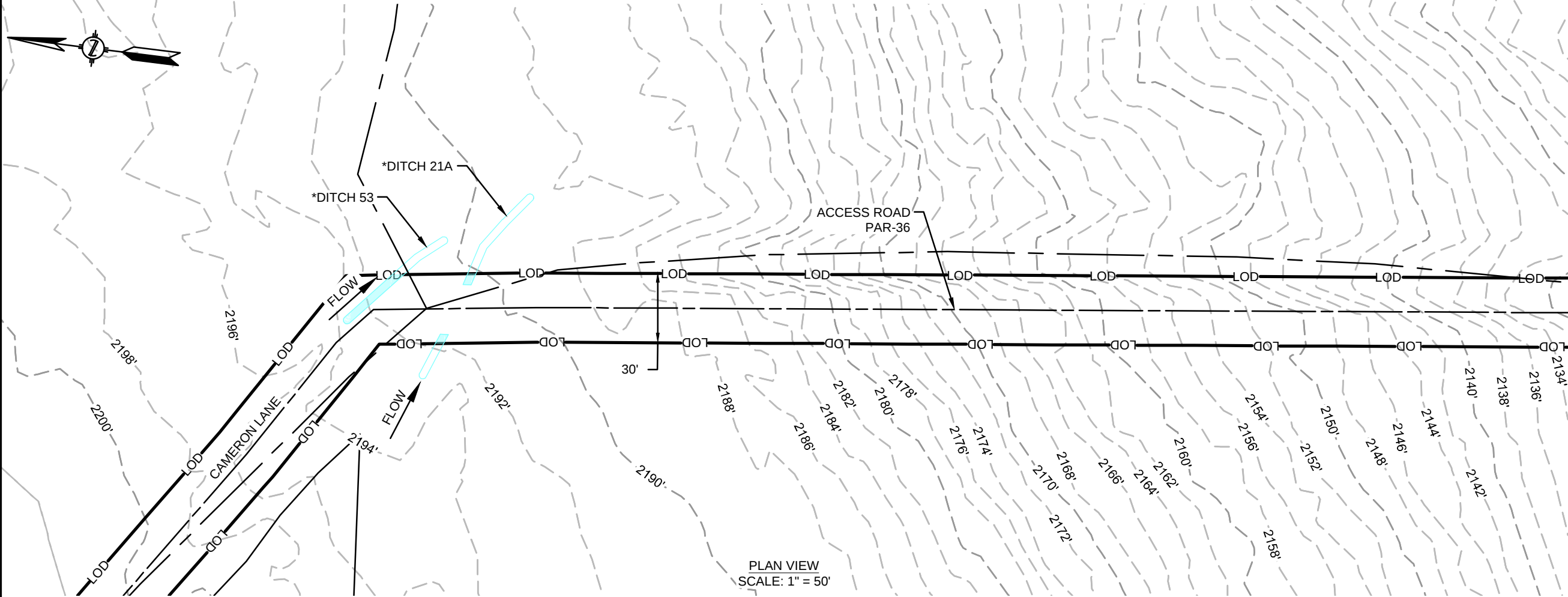


FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 25.1		
SCALE	DRAWING NO.	REVISION
1" = 50'	WSS-POT-AR-015	B

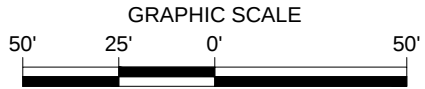
FEATURE ID	RESOURCE TYPE	TEMPORARY DISTURBANCE (ACRES)			PERMANENT DISTURBANCE (ACRES)			CROSSING METHOD	EQUIPMENT CROSSING
		WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY	WETLAND	WATERCOURSE CHANNEL	WATERCOURSE FLOODWAY		
DITCH 20	WATERBODY	-	0.015	-	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A
STREAM 150	WATERBODY	-	<0.001	0.083	-	-	-	EXISTING ROAD, NO IMPROVEMENTS PROPOSED	N/A

12/18/2020 1:01 PM, HECTOR MORALES
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HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA



*DITCH 21A & DITCH 53 DO NOT CONTRIBUTE PERENNIAL OR INTERMITTENT SURFACE WATER FLOW TO OTHER JURISDICTIONAL WATERS OF THE COMMONWEALTH, AS SUCH, THEY ARE NOT REGULATED WATERS AND ARE NOT INCLUDED ON THE ARIT TABLE.



REVISIONS						APPROVALS		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		
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL	DRAWN BY	DATE			WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE HEBRON TOWNSHIP, POTTER COUNTY, PENNSYLVANIA M.P. 00.0		
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD	HM (MM)	07/2019					
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD	CHECKED BY	DATE					
C	12/2020	REVISED FOR PADEP	HM	KEK	MJD	KEK (MM)	07/2019					
						ENG. APPROVAL	DATE					
						MJD (MM)	07/2019			SCALE		
						P.M. APPROVAL	DATE			DRAWING NO.		
										REVISION		
										1" = 50'	WSS-POT-AR-016	C