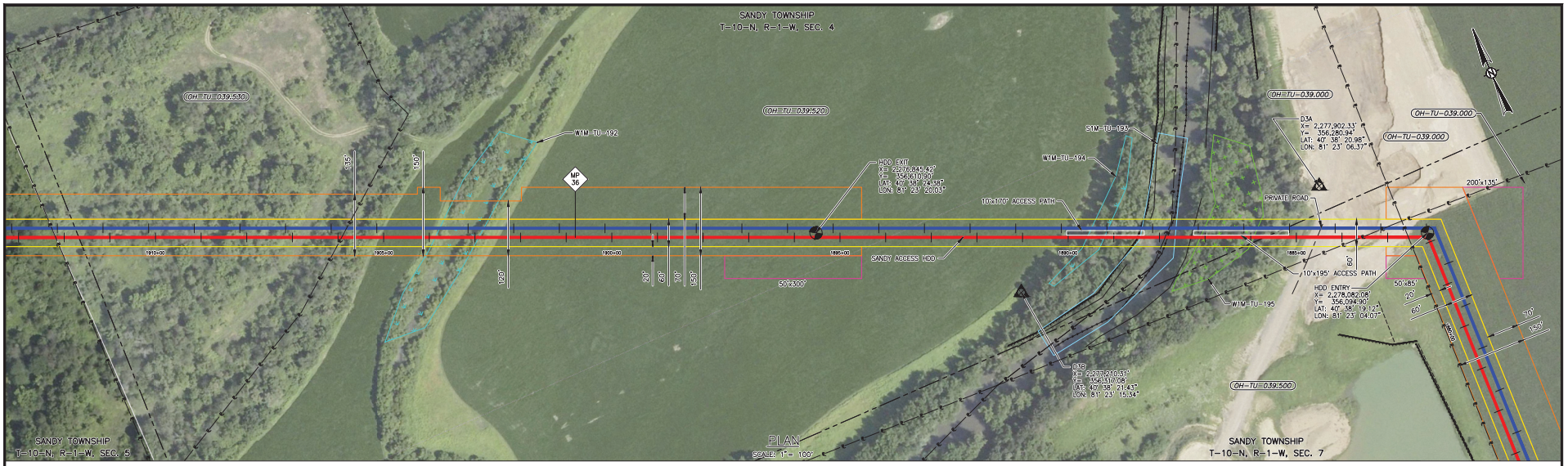

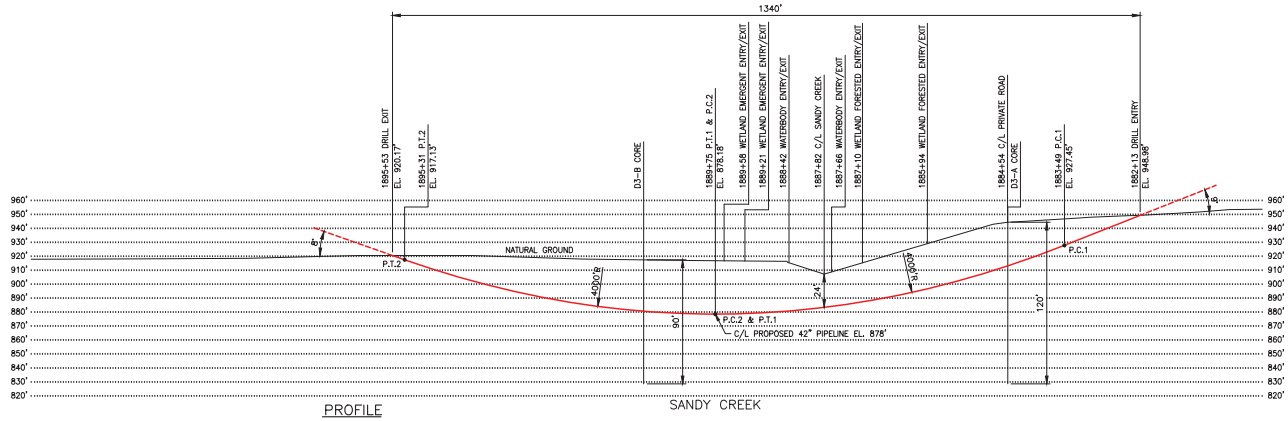

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,346 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-2018	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	GJD	11-7-14	CRF	JHR
A	FERC DRAFT FILING	MFZ	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-24-14
ASBUILT		

FILE NO.
SCALE: NOTED

ROVER PIPELINE
ROVER PIPELINE ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
SANDY CREEK HDD
M.P. 35.6 TO M.P. 35.9
TUSCARAWAS COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-03
SHEET 1 OF 1
D

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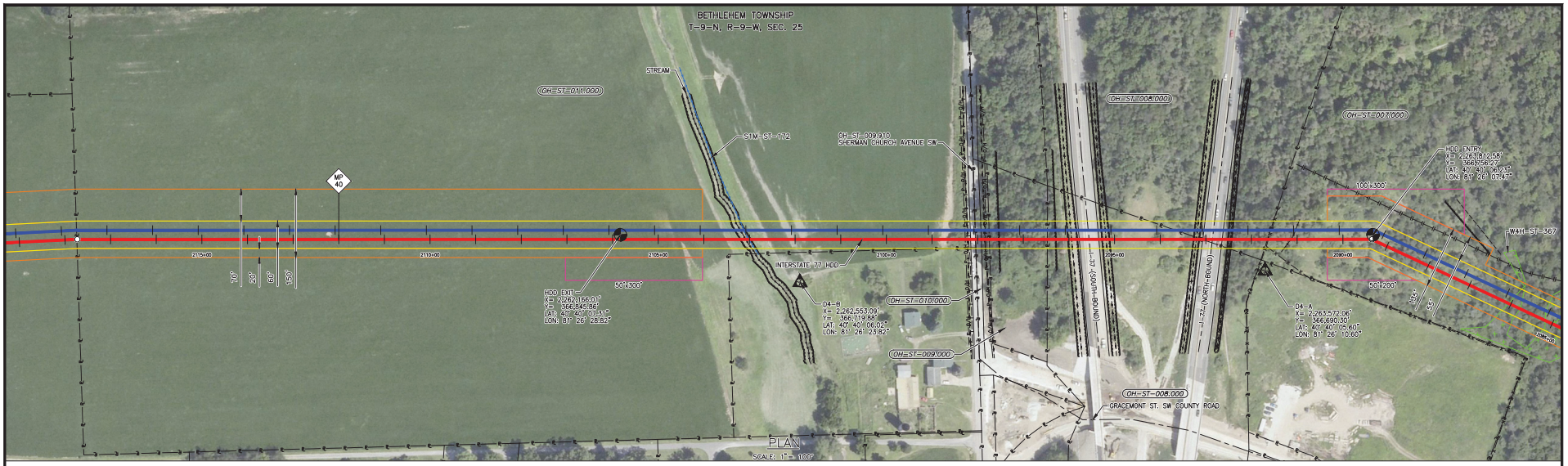
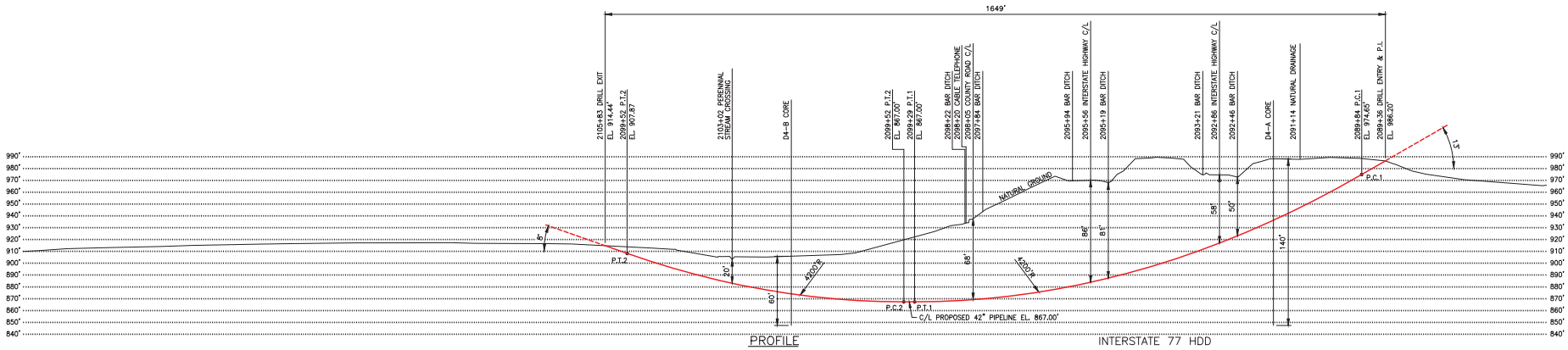




PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

INTERSTATE 77 HDD

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: 1
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,661 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-2022	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	GJD	11-7-14	CRF	JHR
A	FERC DRAFT FILING	MFZ	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.

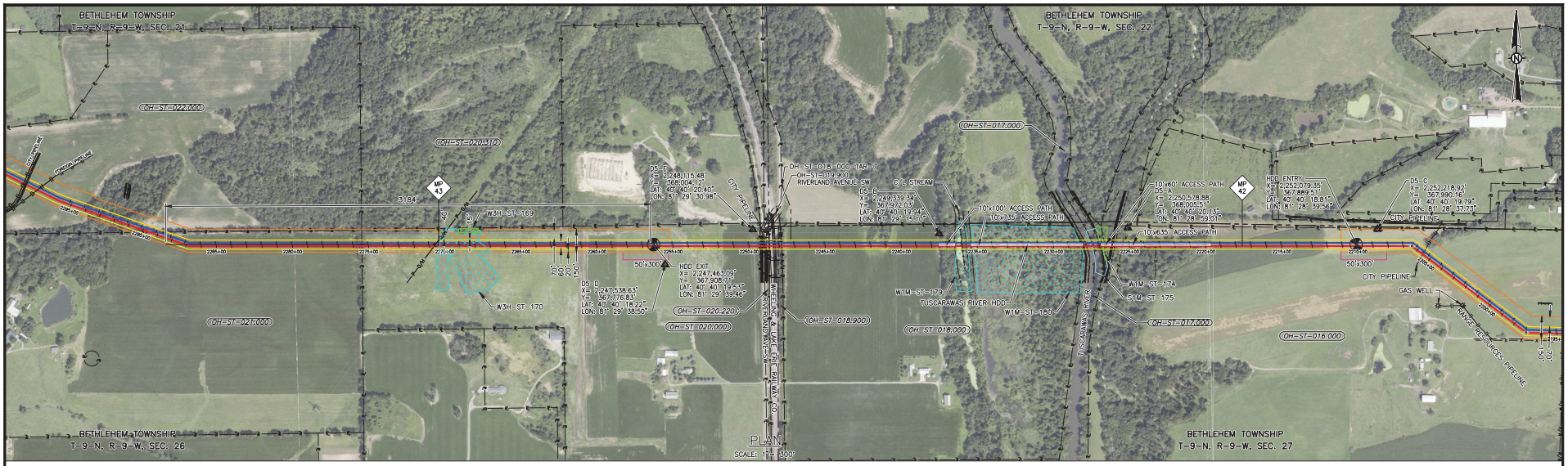
CONSTRUCTION YEAR	2016	
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-18-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

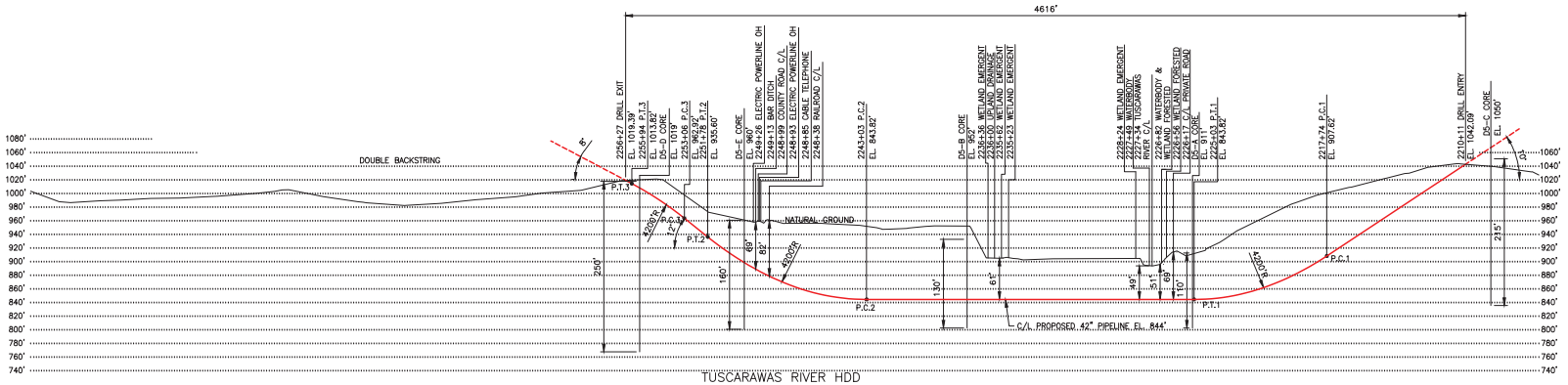
ROVER PIPELINE
ROVER PIPELINE ACTIVITY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
INTERSTATE 77 HDD
M.P. 39.6 TO M.P. 39.9
STARK COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-04
SHEET 1 OF 1
D

06-05-15 7:55 14138 14 KMA





PROFILE

HORIZONTAL SCALE: 1" = 300'
VERTICAL SCALE: 1" = 80'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 4,650 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-3004	ALIGNMENT
ML-P3-3003	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
C	FERC FILING	GJD	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	GJD	11-7-14	CRF	JHR
A	FERC FILING	MFZ	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

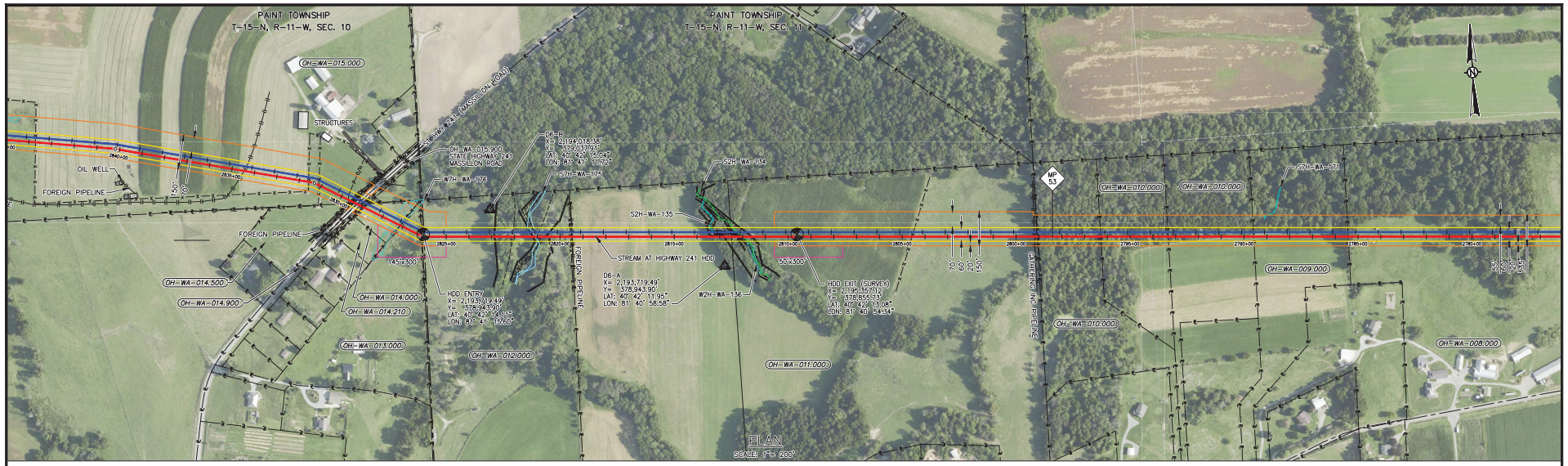
	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-25-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

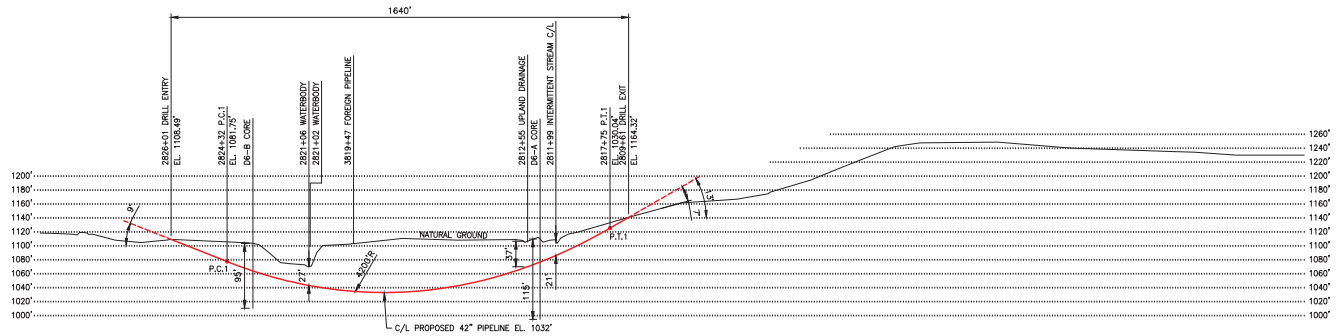
ROVER PIPELINE
An ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
TUSCARAWAS RIVER HDD
M.P. 41.9 TO M.P. 42.7
STARK COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-05
SHEET 1 OF 1
D

06-05-15 8:10 141.38 31 KMA





STREAM AT HIGHWAY 241 HDD

PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 80'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,654 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-3014	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
E	FERC FILING UPDATE	RBR	6-24-15	JHR	JHR
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	KMA	1-15-15	JHR	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC DRAFT FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	BY	DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.

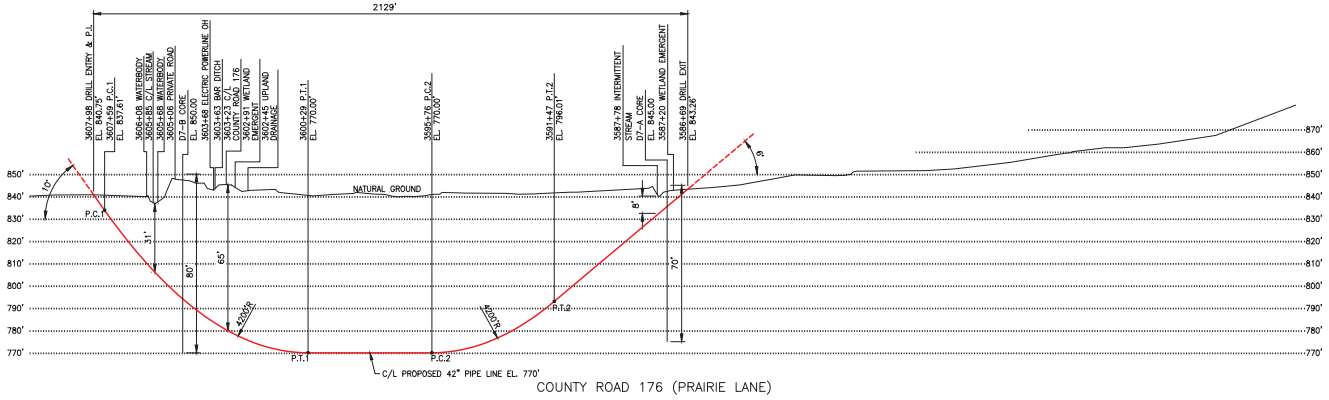
CONSTRUCTION YEAR		2016
	BY	DATE
DESIGN	JHR	
DRAWN	NLM	10-1-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

ROVER PIPELINE
An ENTERPRISE TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
STREAM AT HIGHWAY 241 HDD
M.P. 53.2 TO M.P 53.5
WAYNE COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-06
SHEET 1 OF 1
E

06-23-15 11:45 14138 17 RBR



PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 25'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 2,137 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-3029	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	GJD	11-7-14	CRF	JHR
A	FERC FILING	MFZ	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	BY	DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

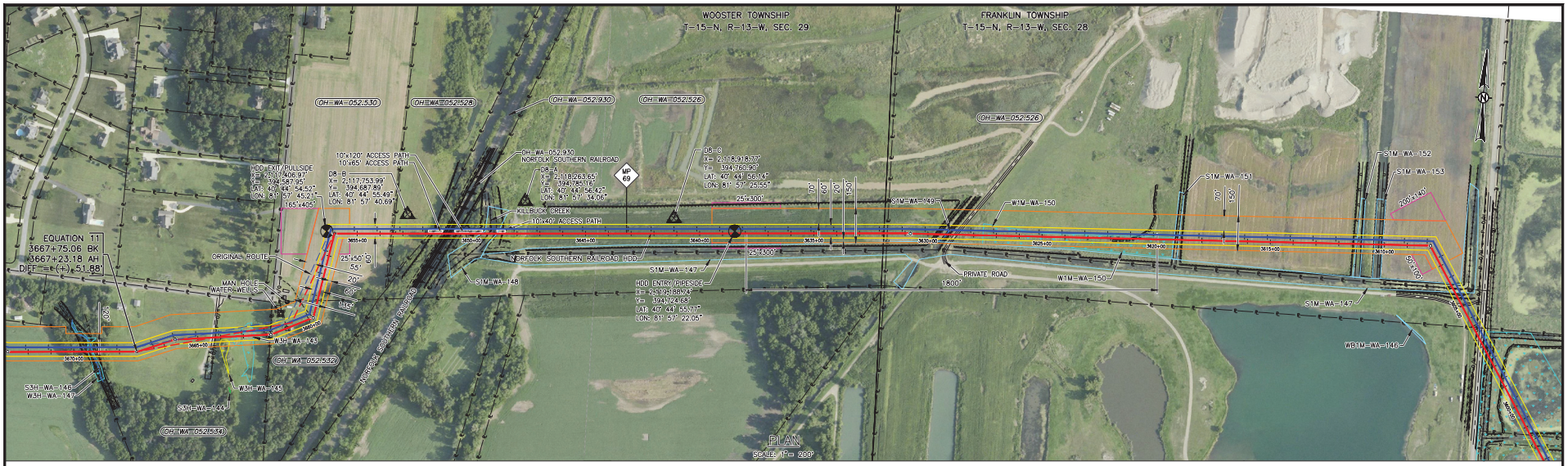
P.L./STA. NO.
ACCOUNT NO.

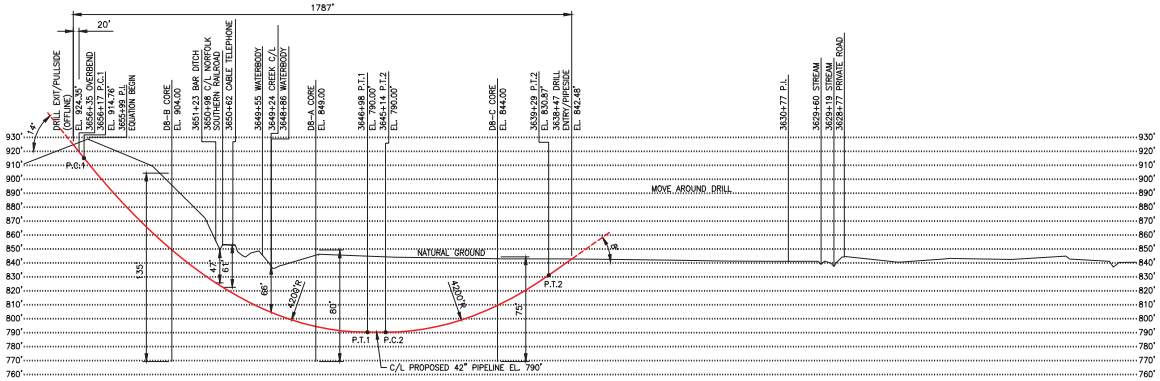
CONSTRUCTION YEAR		2016
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-8-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

ROVER PIPELINE
ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
PRAIRIE LANE/C.R. 176 HDD
M.P. 67.9 TO M.P. 68.3
WAYNE COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-07
SHEET 1 OF 1
D

06-05-15 8:32 141.38 25 KMA





NORFOLK SOUTHERN RAILROAD HDD
PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,800 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-3030	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	BY	DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.

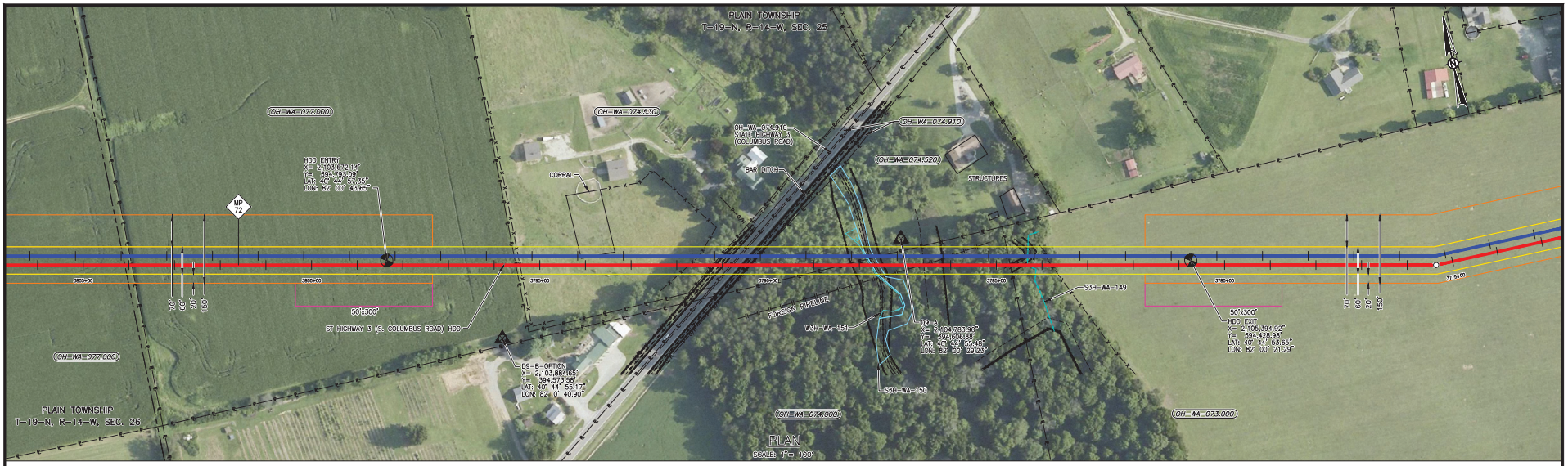
CONSTRUCTION YEAR	2016	
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-9-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

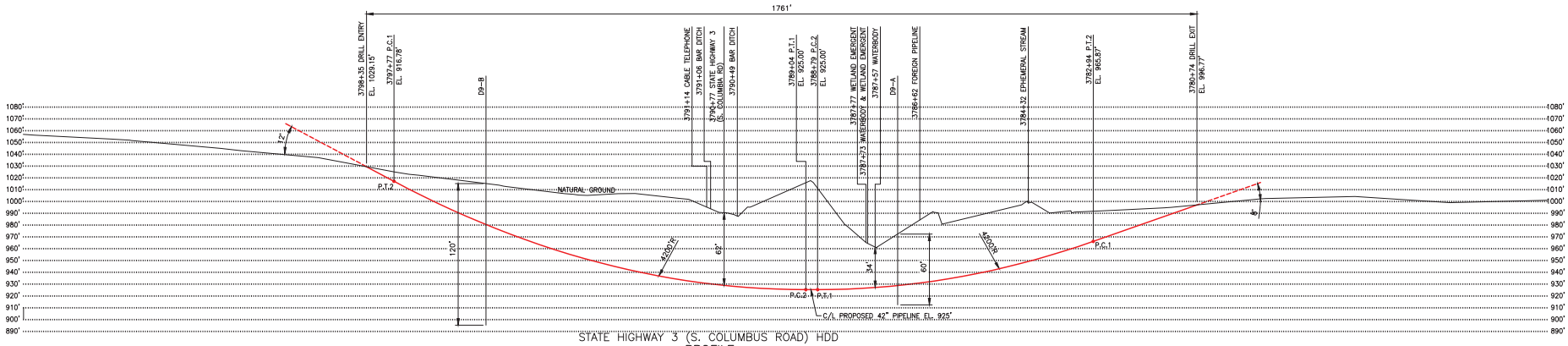
ROVER PIPELINE
An ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
NORFOLK SOUTHERN RAILROAD HDD
M.P. 68.9 TO M.P. 69.2
WAYNE COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-08
SHEET 1 OF 1
D

06-05-15 8:50 141.38 28 KMA





STATE HIGHWAY 3 (S. COLUMBUS ROAD) HDD

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,773 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED PIPELINE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-3033	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	KMA	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC DRAFT FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	BY	DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

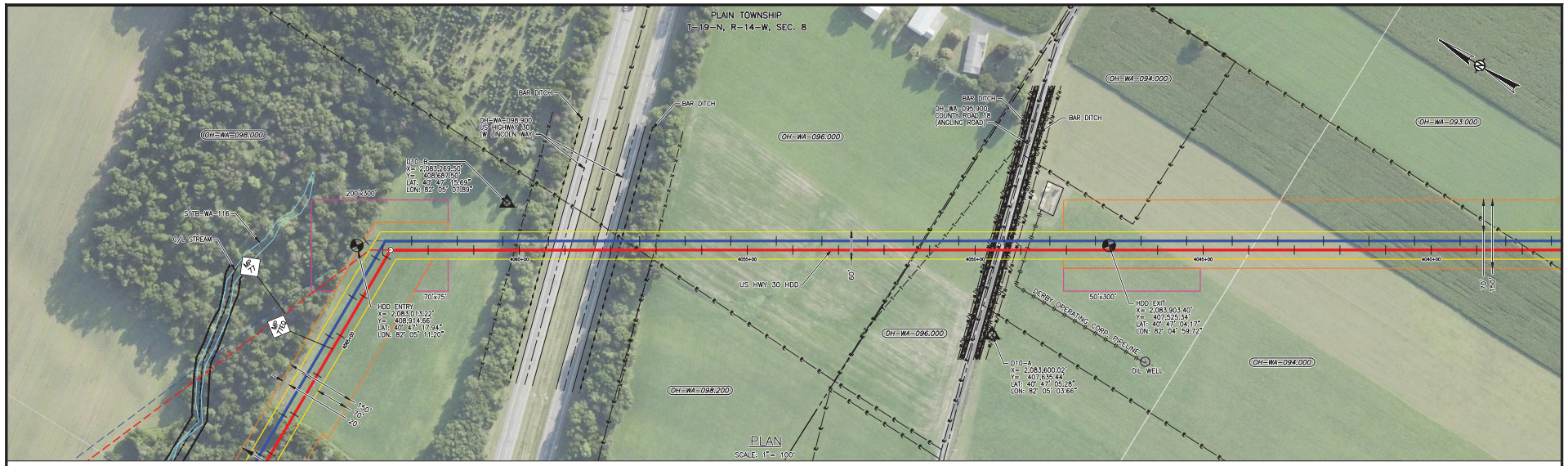
P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

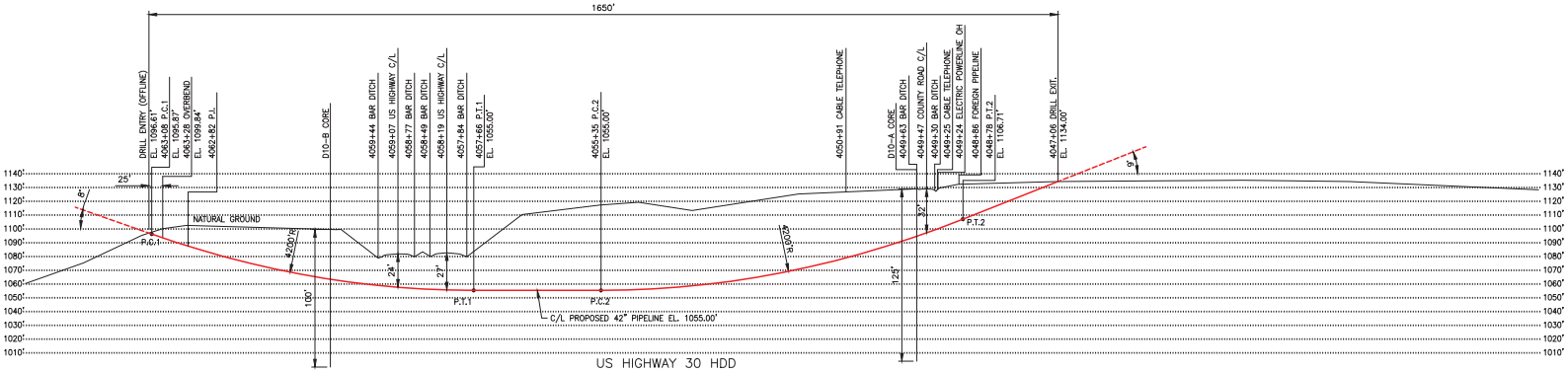
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-9-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

ROVER PIPELINE
ROVER PIPELINE
ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
STATE HIGHWAY 3 (S COLUMBUS RD) HDD
M.P. 71.6 TO M.P. 71.9
WAYNE COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-09
SHEET 1 OF 1
D

06-05-15 8:58 14138 17 KMA





PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,657 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE	NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
		D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
		C	FERC FILING	MFZ	1-15-15	CRF	JHR
		B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
ML-P3-3038	ALIGNMENT	A	FERC FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-10-14
ASBUILT		

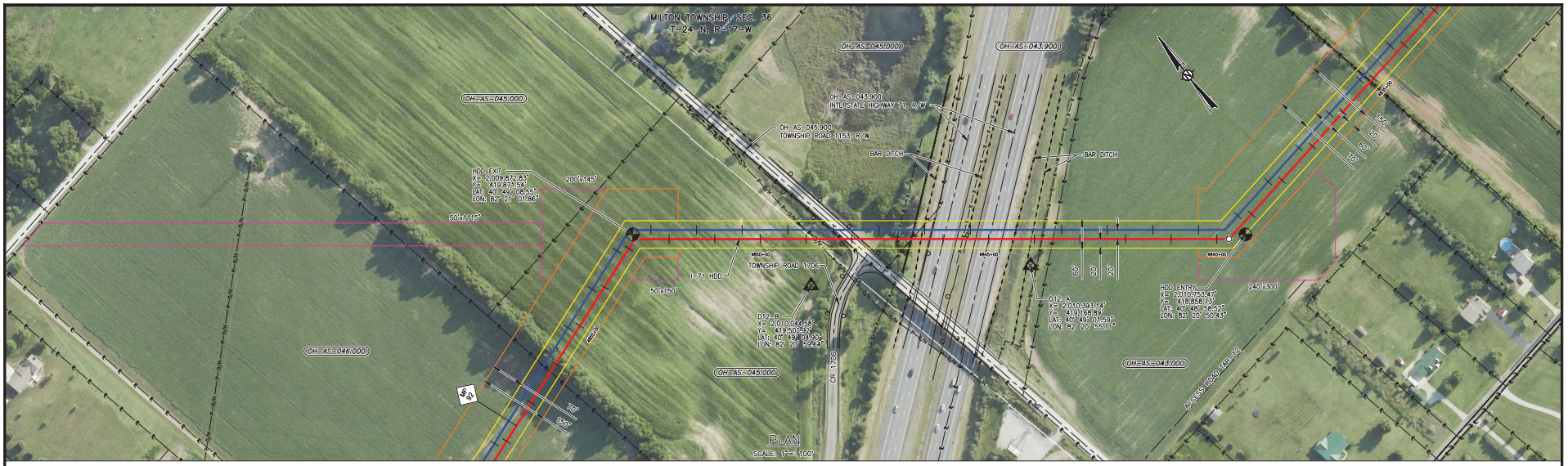
FILE NO.
SCALE: NOTED

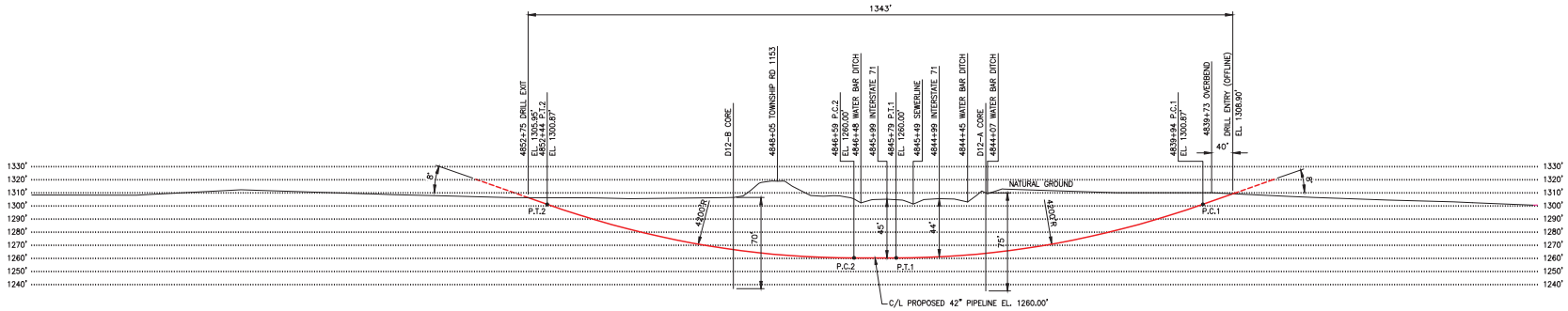
ROVER PIPELINE
An ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
US HIGHWAY 30 HDD
M.P. 76.6 TO M.P. 77.0
WAYNE COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-10
SHEET 1 OF 1
D

06-05-15 11:00 14138 18 KMA





INTERSTATE 71 HDD

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: T.B.D.
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,347 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED PIPELINE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-4015	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC DRAFT FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-30-14
ASBUILT		

FILE NO.
SCALE: NOTED

ROVER PIPELINE
ROVER PIPELINE ROVER PIPELINE Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
INTERSTATE 71 HDD
M.P. 91.6 TO M.P. 91.9
ASHLAND COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-12
SHEET 1 OF 1
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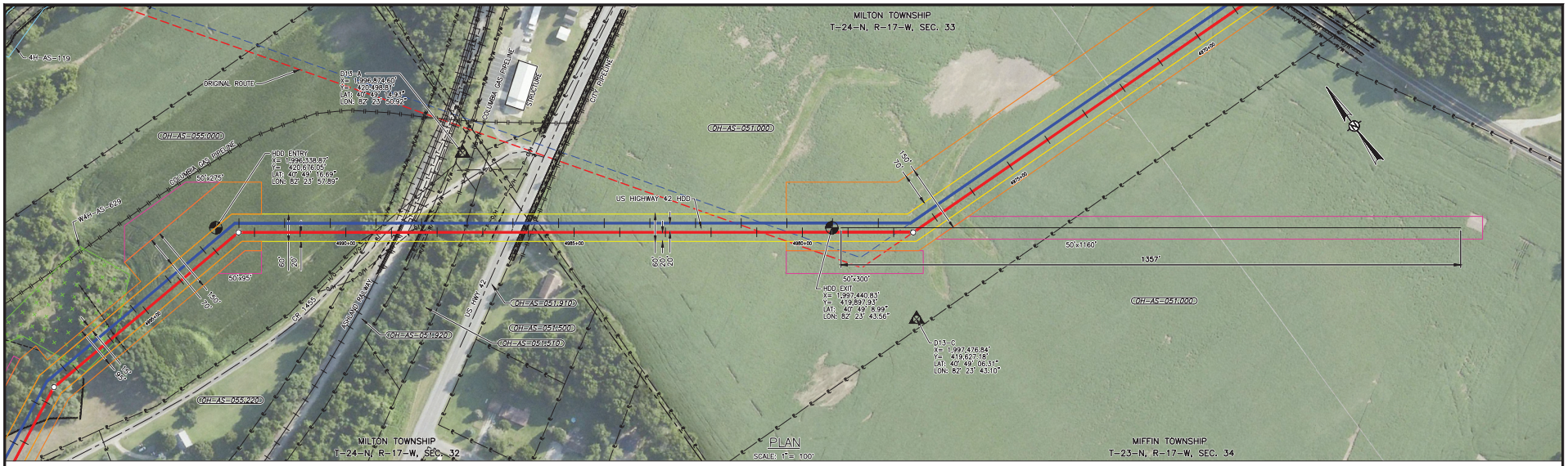
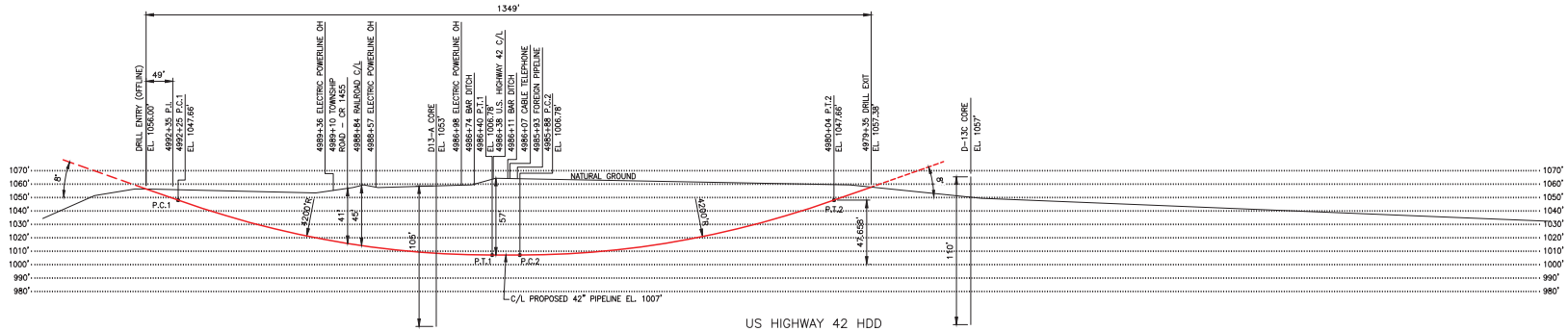
06-05-15 9:19 141.38 11 KMA





US HIGHWAY 42 HDD

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,357 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-4018	ALIGNMENT
ML-P3-4017	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	BY	DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

	BY	DATE
DESIGN	JHR	
DRAWN	LRW	9-5-14
ASBUILT		

FILE NO.
SCALE: NOTED

ROVER PIPELINE
ROVER PIPELINE
ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
US HIGHWAY 42 HDD
M.P. 94.6 TO M.P. 94.3
ASHLAND COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-13
SHEET 1 OF 1
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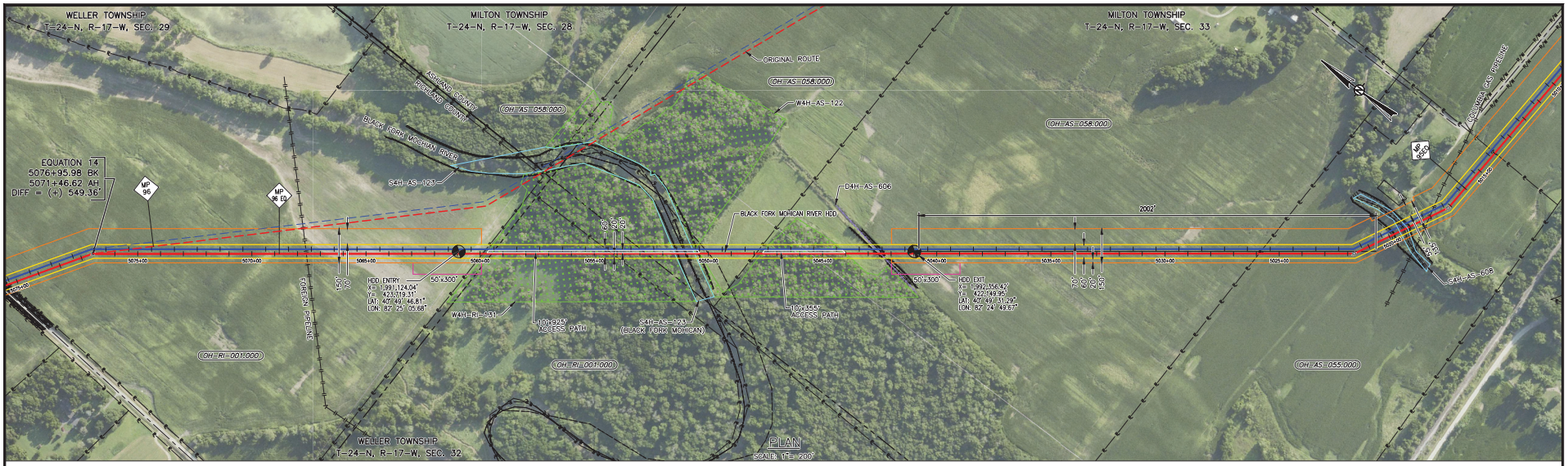
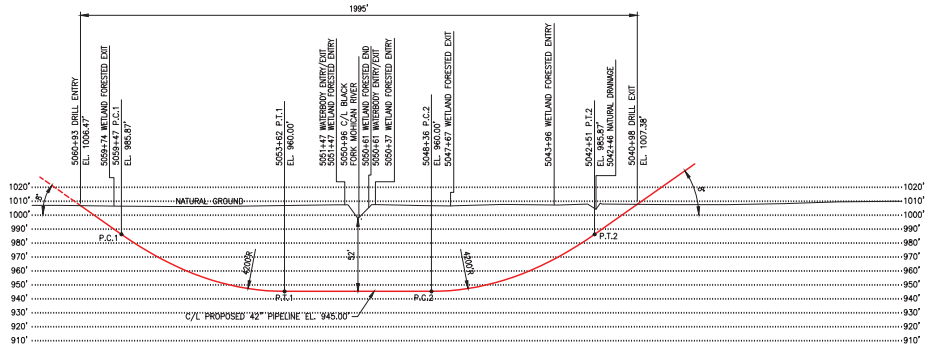




BLACK FORK MOHICAN RIVER HDD

PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 50'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 2,002 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-4019	ALIGNMENT
ML-P3-4018A	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

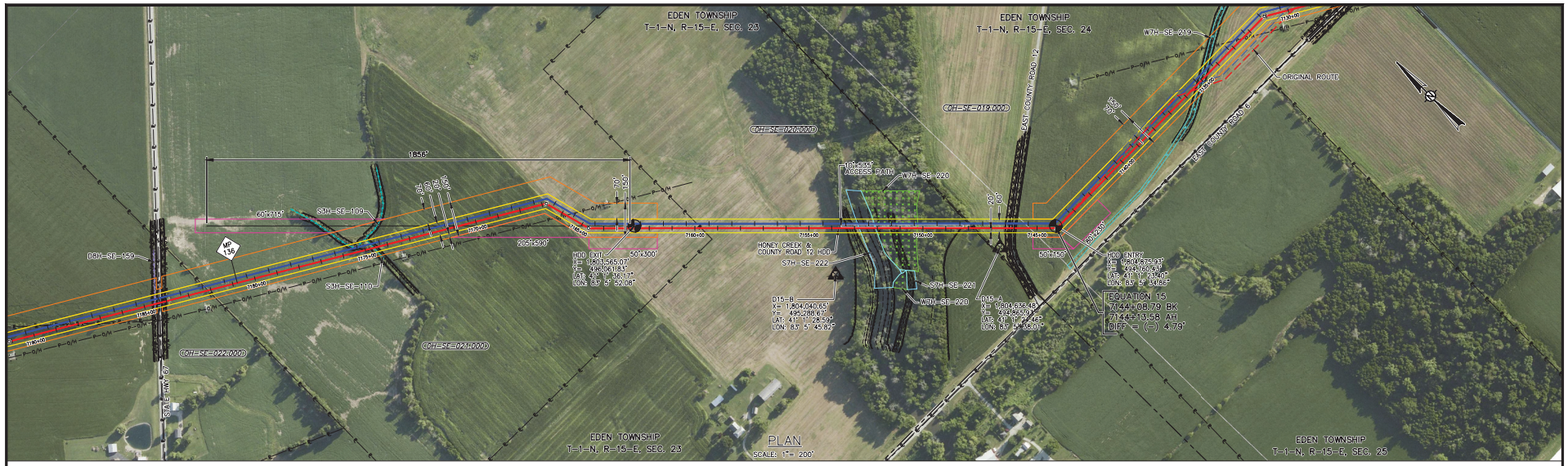
P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

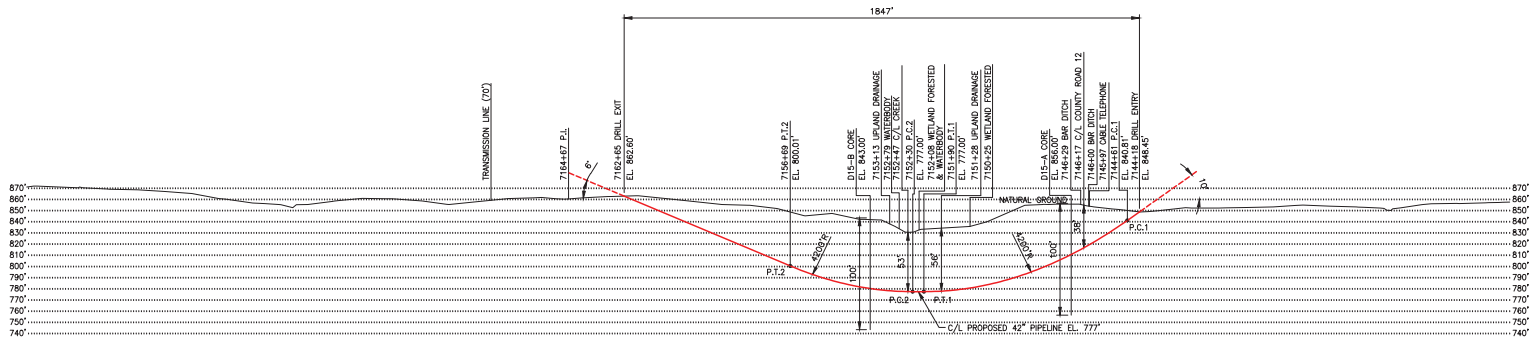
	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-4-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
BLACK FORK MOHICAN RIVER HDD
M.P. 95.5 TO M.P. 95.9
RICHLAND & ASHLAND COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-14
SHEET 1 OF 1
D

06-05-15 9:56 141.38 8 KMA





HONEY CREEK & COUNTY ROAD 12 HDD

PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 50'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 40 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,856 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD GUIDED WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-5009	ALIGNMENT
ML-P3-5008	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
E	FERC FILING UPDATE	RBR	6-24-15	JHR	JHR
D	FERC FILING UPDATE	LRW	6-3-15	CRF	JHR
C	FERC FILING	KMA	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.

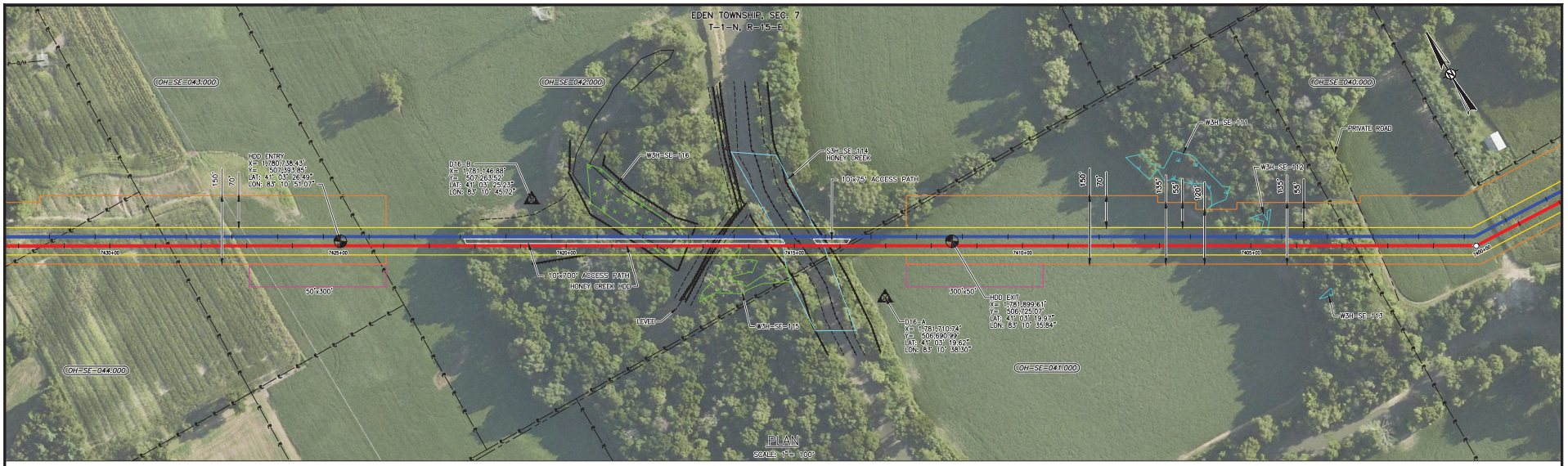
CONSTRUCTION YEAR		2016
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-4-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

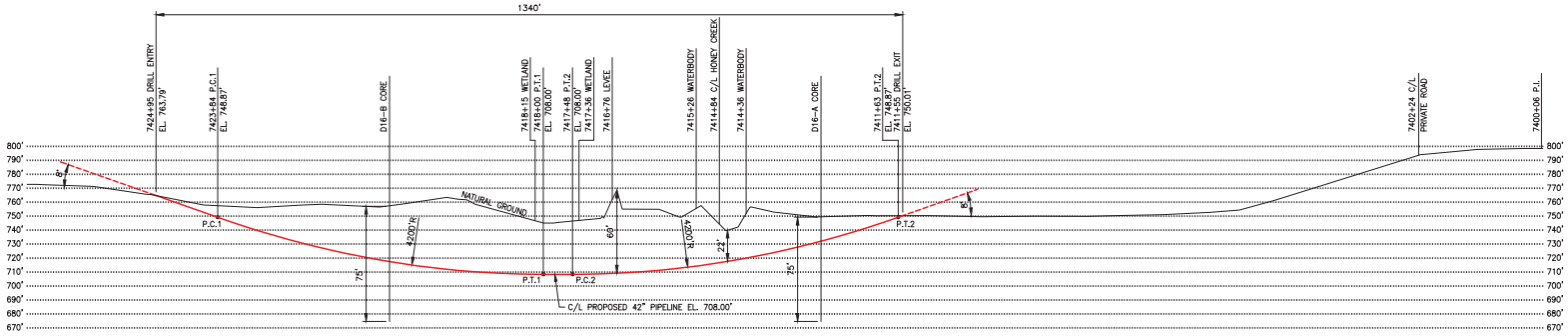
ROVER PIPELINE
An ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
HONEY CREEK & COUNTY ROAD 12 HDD
M.P. 135.3 TO M.P. 135.7
SENECA COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-15
SHEET 1 OF 1
E

06-23-15 11:51 14138 3D RBR





HONEY CREEK HDD

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,345 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED PIPELINE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-5013	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC DRAFT FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

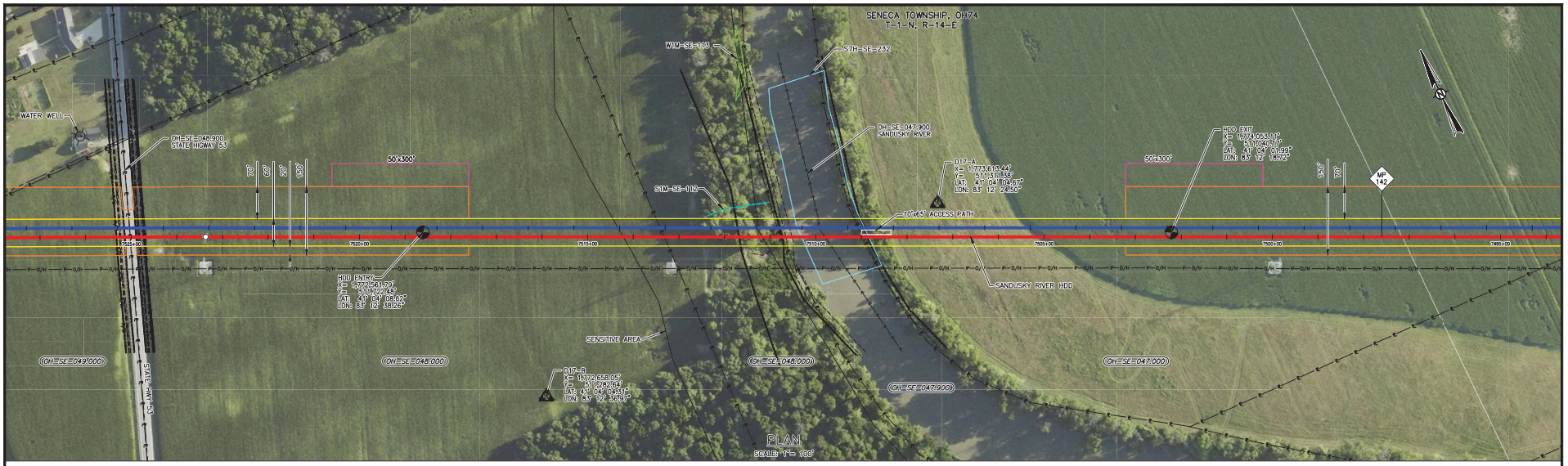
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-8-14
ASBUILT		

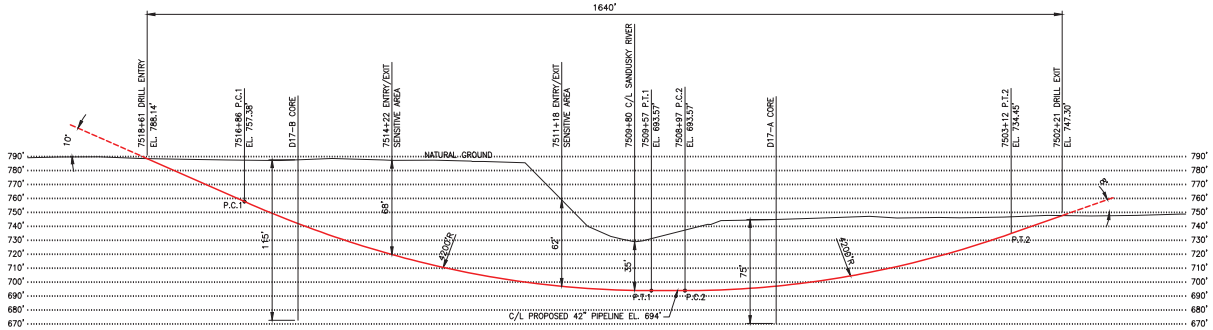
FILE NO.
SCALE: NOTED

ROVER PIPELINE
ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
HONEY CREEK HDD
M.P. 140.4 TO M.P. 140.6
SENECA COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-16
SHEET 1 OF 1
D

06-05-15 9:59 141.38 16 KMA





SANDUSKY RIVER HDD

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 40'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 1,649 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-5015	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
E	FERC FILING UPDATE	RBR	6-24-15	JHR	JHR
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	RBR	11-7-14	CRF	JHR
A	FERC DRAFT FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.

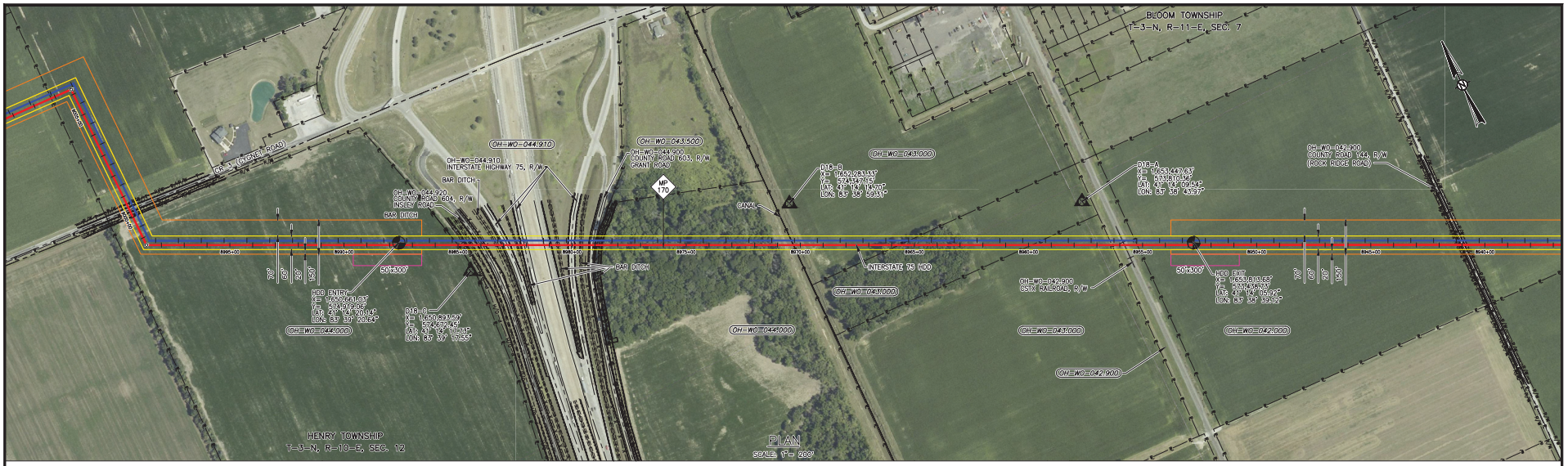
CONSTRUCTION YEAR		2016
	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-24-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

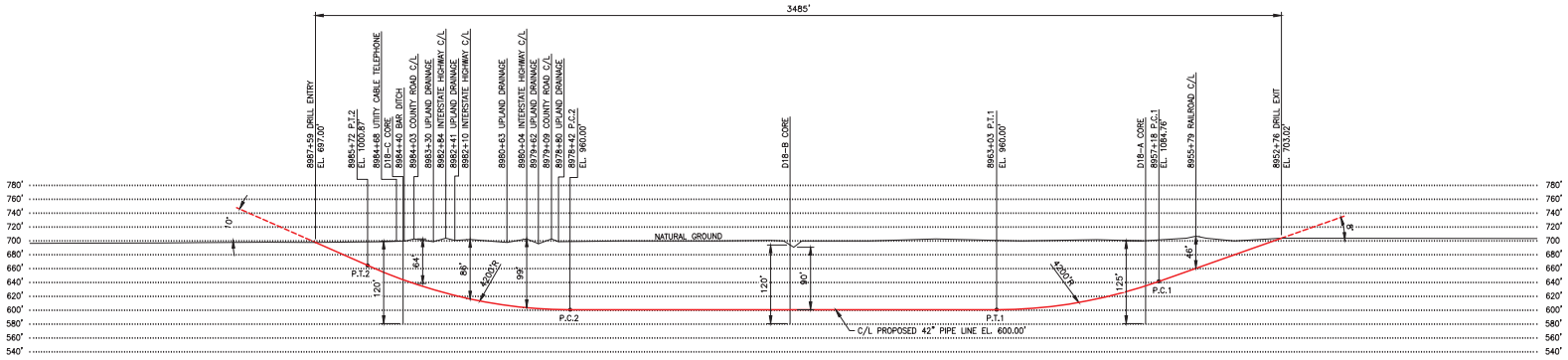
ROVER PIPELINE
An ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
SANDUSKY RIVER HDD
M.P. 142.1 TO M.P. 142.4
SENECA COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-17
SHEET 1 OF 1
E

06-23-15 11:57 14138 17 RBR





INTERSTATE 75 HDD

PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 80'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: T.B.D.
DESIGN FACTOR: 0.5
TRUE LENGTH: 3,497 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-5043	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	MFZ	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	GJD	11-7-14	CRF	JHR
A	FERC DRAFT FILING	NLM	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

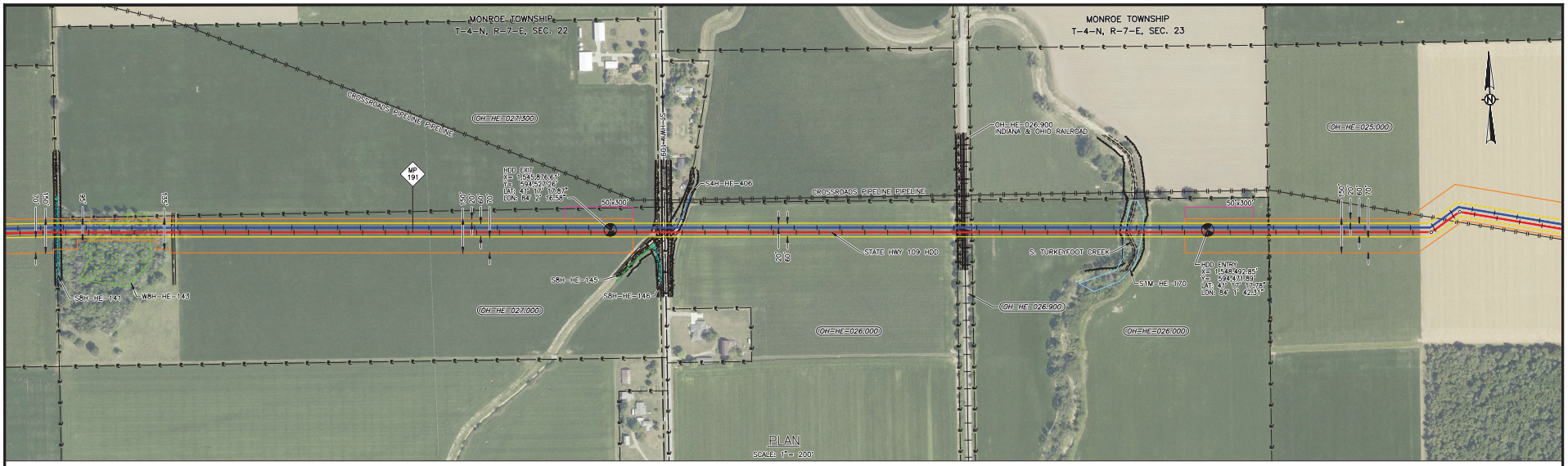
	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-30-14
ASBUILT		

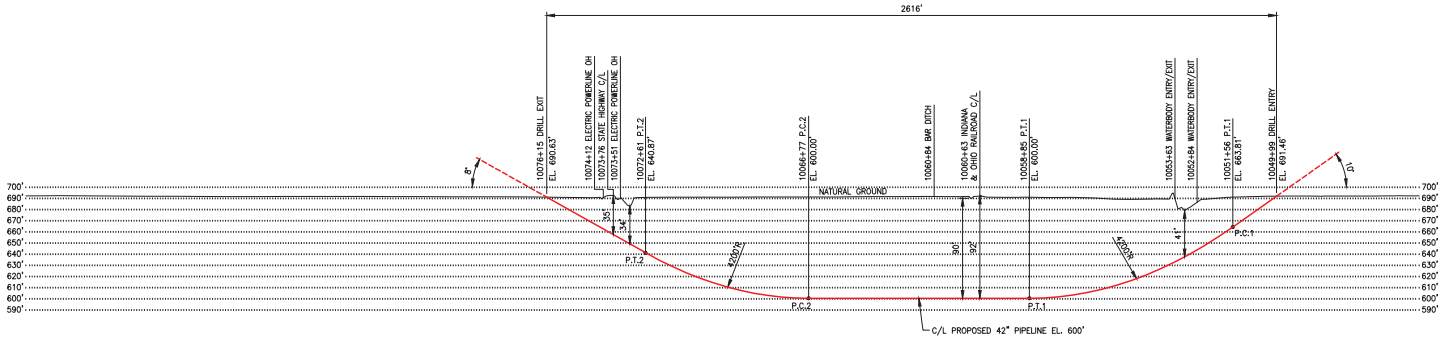
FILE NO.
SCALE: NOTED

ROVER PIPELINE
ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
INTERSTATE 75 HDD
M.P. 170.2 TO M.P. 169.6
WOOD COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-18
SHEET 1 OF 1
D

06-05-15 10:15 141.38 15 KMA





STATE HWY 109 HDD

PROFILE

HORIZONTAL SCALE: 1"= 200'
VERTICAL SCALE: 1"= 50'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN - "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 2,628 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:

- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:

- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-6021	ALIGNMENT

NO.	REVISION - DESCRIPTION	BY	DATE	CHK'D	APP'D
B	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
A	FERC FILING	LRW	1-15-15	JHR	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

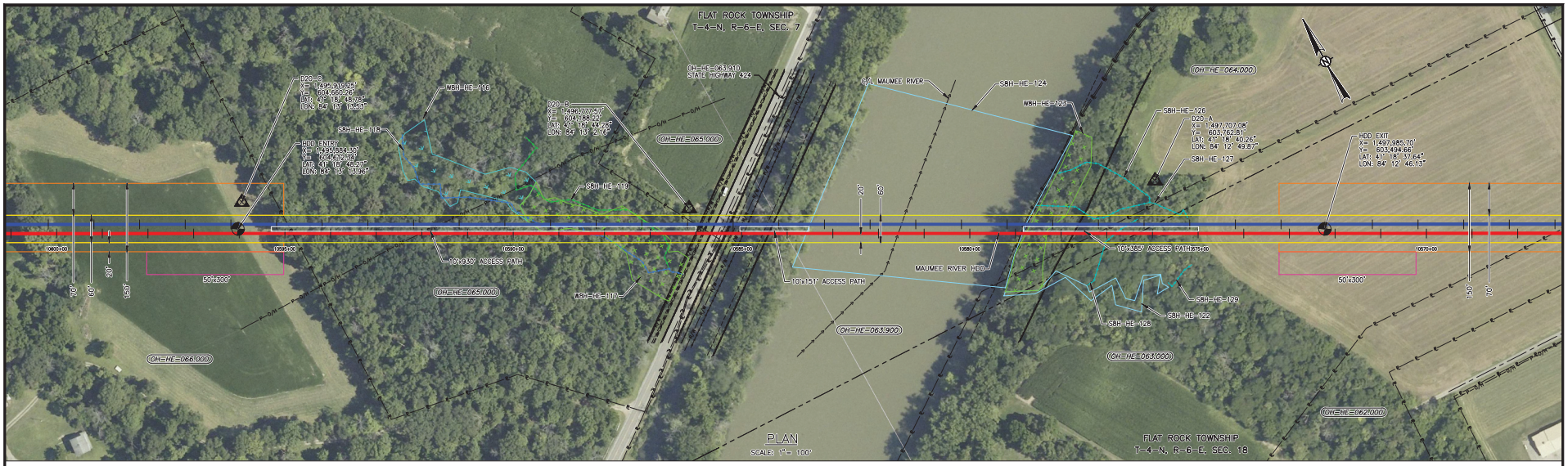
	BY	DATE
DESIGN	JHR	
DRAWN	KMA	9-4-14
ASBUILT		

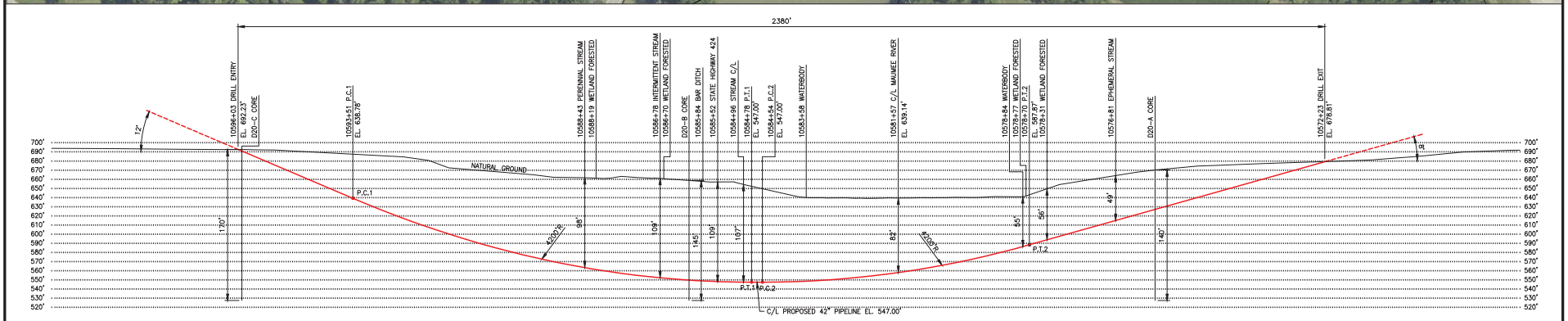
FILE NO.
SCALE: NOTED

ROVER PIPELINE PROJECT
MAINLINE - 42" NG PIPELINE
STATE HWY 109 HDD
M.P. 190.8 TO M.P. 190.3
HENRY COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-18A
SHEET 1 OF 1
B

06-05-15 10:22 14138 9 KMA





MAUMEE RIVER HDD

PROFILE

HORIZONTAL SCALE: 1"= 100'
VERTICAL SCALE: 1"= 50'

SPECIFICATIONS:

CARRIER PIPE: 42.000" O.D. X 0.864" W.T. X-70
A.P.I. 5L PSL 2, DSAW, W/ 14-16 MILS FBE AND 26 MILS ARO
HYDROSTATIC PRE-TEST PRESSURE: "TBD" PSIG MIN – "TBD" PSIG MAX
DESIGN PRESSURE: MAOP 1,440 PSIG
LOCATION CLASS: TBD
DESIGN FACTOR: 0.5
TRUE LENGTH: 2,400 FT.

GENERAL NOTES:

1) GRID PROJECTION BASED UPON OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
3) FOOT ACCESS FOR HDD TRUTRACKER WIRE WILL BE REQUIRED 100 FT TO 200 FT BOTH SIDES OF CENTERLINE. HAND CLEARING OF TREES 3" DIAMETER AND SMALLER.

ENVIRONMENTAL NOTES:

1) EROSION/SEDIMENT CONTROL STRUCTURES TO BE INSTALLED AND MAINTAINED TO MINIMIZE IMPACTS TO WETLANDS OR WATERBODIES.
2) ANY ON-LAND TRENCH DEWATERING TO BE DIRECTED TO WETLAND FILTER BAG AND/OR DEWATERING STRUCTURE IN AN UPLAND AREA TO MINIMIZE EROSION OF SEDIMENTATION TO WETLANDS/WATERBODIES.
3) PRE-CONSTRUCTION CONTOURS TO BE RE-ESTABLISHED FOR ALL DISTURBED AREAS. ALL DISTURBED AREAS TO BE RESTORED AND/OR REVEGETATED AS APPLICABLE.
4) EROSION/SEDIMENTATION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL RESTORATION AND REVEGETATION ARE DEEMED SUCCESSFUL.

LEGEND:
- PROPOSED MAINLINE A
- PROPOSED MAINLINE B
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE
- ADDITIONAL TEMPORARY WORK SPACE
- ACCESS PATH
- GEOTECH CORE

ENVIRONMENTAL LEGEND:
- PERENNIAL STREAM
- EPHEMERAL STREAM
- INTERMITTENT STREAM
- NATURAL DRAINAGE
- WATERBODY
- WETLAND EMERGENT
- WETLAND FORESTED
- WETLAND SCRUB SHRUB

DWG. NO.	REFERENCE DRAWING TITLE
ML-P3-6031	ALIGNMENT

NO.	REVISION – DESCRIPTION	BY	DATE	CHK'D	APP'D
D	FERC FILING UPDATE	KMA	6-3-15	JHR	JHR
C	FERC FILING	KMA	1-15-15	CRF	JHR
B	GEOTECHNICAL CORE COLLECTION	GJD	11-7-14	CRF	JHR
A	FERC DRAFT FILING	MFZ	11-5-14	CRF	JHR

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	BY	DATE
PREL'Y						
BID						
CONSTR.						
CADDS	PLOT DATE:					
	FILE NAME:					

P.L./STA. NO.
ACCOUNT NO.
CONSTRUCTION YEAR 2016

	BY	DATE
DESIGN	JHR	
DRAWN	NLM	9-4-14
ASBUILT		
FILE NO.		
SCALE: NOTED		

ROVER PIPELINE
ENERGY TRANSFER Company

ROVER PIPELINE PROJECT
MAINLINE – 42" NG PIPELINE
MAUMEE RIVER HDD
M.P. 200.2 TO M.P. 200.6
HENRY COUNTY, OHIO

PROJECT NO. 585000000001
PREVIOUS DWG. NO.
SHEET 1 OF 1
DWG. NO. ML-P4-20
SHEET 1 OF 1
D

06-05-15 10:30 141.38 15 KMA