NEXUS GAS TRANSMISSION PROJECT

FERC ENVIRONMENTAL REPORT
(DOCKET NUMBER PF15-10-000)

VOLUME II-B – APPENDIX 1A

ALIGNMENT SHEETS – OHIO

Wayne, Medina, Lorain, Erie, Sandusky Counties
MP 51.3 through MP 128.2 (I-80 Bore)

RIGHT-OF-WAY

TRACT NUMBERS

2685+00 | OH-WA-049.0000-SC 2377 FT. 144.1 RODS | 2708+77 | OH-WA-062.0000-RD 29 FT. 1.8 RODS | 2709+06 | OH-WA-063.0000-SC 2094 FT. 126.9 RODS | 2730+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2698+80 PI – 19°39'22" RT

STA. 2708+82 GATES ST (OH-CO-011.0000-SC) STA. 2709+14 PI – 90°09'45" LT

STA. 2725+30 FENCE

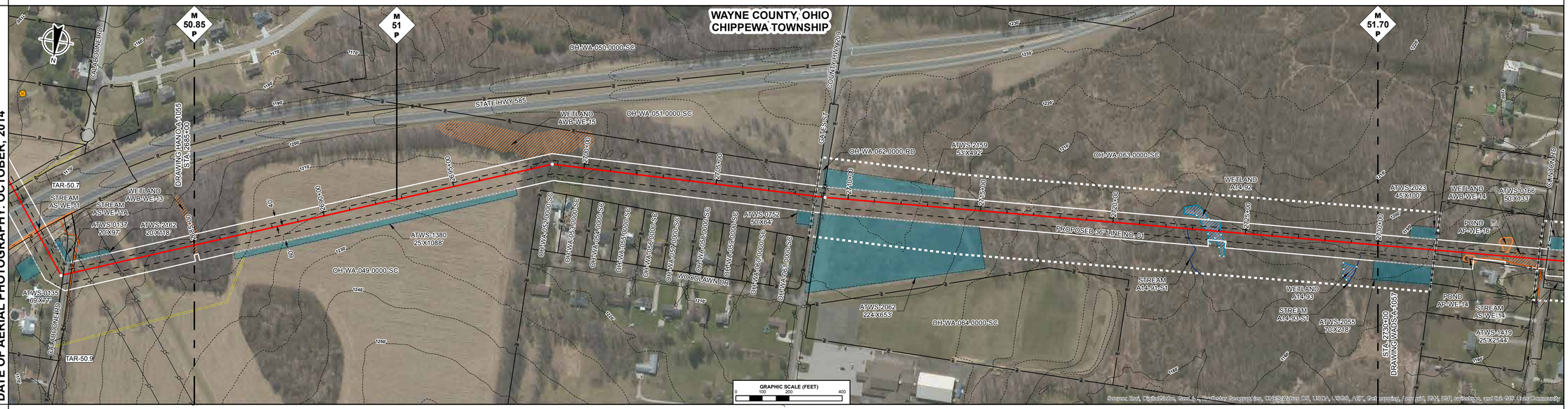
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 2685+21 WETLAND AWB-WE-13 EXIT

STA. 2697+98 WETLAND AWB-WE-14 ENTER
STA. 2698+81 WETLAND AWB-WE-15 EXIT

STA. 2722+80 CENTERLINE OF STREAM A14-91-S1 TRIB TO MILL CREEK
STA. 2723+21 WETLAND A14-92 ENTER
STA. 2724+23 WETLAND A14-92 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

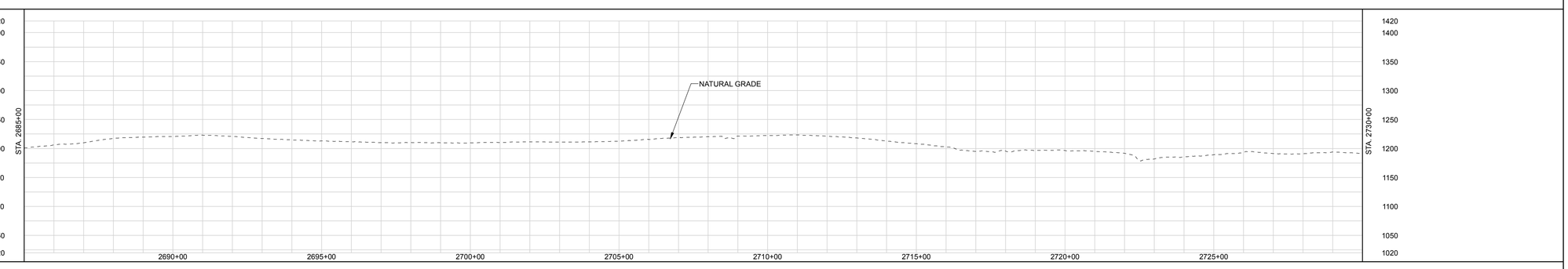
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS

LAND USE

% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 50.85 to M.P. 51.70
STA. 2685+00 to STA. 2730+00
ALIGNMENT SHEET

LOC. WAYNE COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1056 | REV. A

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 656 of 265.pdf - PLOT TIME: 2015-04-21 16:51:26

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

2730+00 | OH-WA-063.0000-SC 218 FT. 13.2 RODS | 2732+18 | OH-WA-065.0000-SC 389 FT. 23.6 RODS | 2736+07 | OH-WA-071.0000-RD 31 FT. 1.9 RODS | 2736+38 | OH-WA-072.0000-SC 1552 FT. 94.1 RODS | 2751+90 | OH-WA-077.0000-SC 250 FT. 15.2 RODS | 2754+40 | OH-WA-078.0000-SC 32 FT. 1.9 RODS | 2754+72 | OH-WA-080.0000-SC 875 FT. 53.0 RODS | 2763+47 | OH-WA-082.0000-RD 50 FT. 3.0 RODS | 2763+97 | OH-WA-083.0000-SC 620 FT. 37.6 RODS | 2770+17 | OH-WA-087.0000-SC 983 FT. 59.6 RODS | 2780+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2736+17 POWERLINE (LIDAR)
STA. 2736+28 CLINTON RD (SCALED) CENTERLINE
STA. 2736+28 ROAD (LIDAR) EDGE
STA. 2736+45 ROAD (LIDAR) EDGE
STA. 2737+70 PI – 04°07'36" RT

STA. 2750+91 PI – 15°54'14" LT

STA. 2757+91 PI – 11°46'16" LT

STA. 2762+79 PI – 27°48'19" RT
STA. 2763+74 SERFASS RD (SCALED) CENTERLINE

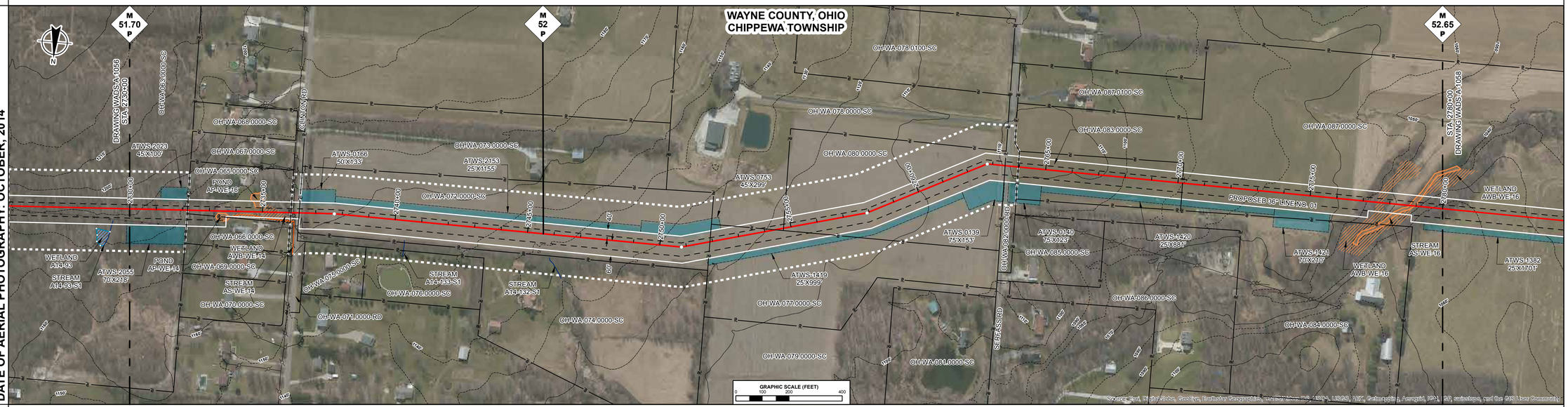
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD PAR-0.0
TEMPORARY ACCESS ROAD TAR-0.0
PARCEL TRACT NO OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE FIRE HYDRANT
WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 2733+24 POND TRIB TO MILL CREEK AP-WE-14 ENTER
STA. 2733+27 POND TRIB TO MILL CREEK AP-WE-14 EXIT
STA. 2733+76 WETLAND AWB-WE-14 ENTER
STA. 2734+45 POND TRIB TO MILL CREEK AP-WE-16 ENTER
STA. 2734+88 POND TRIB TO MILL CREEK AP-WE-16 EXIT

STA. 2736+08 WETLAND AWB-WE-14 EXIT

STA. 2777+44 WETLAND AWB-WE-16 ENTER
STA. 2777+64 WETLAND AWB-WE-16 EXIT
STA. 2778+14 STREAM TRIB TO MILL CREEK AS-WE-16 ENTER
STA. 2778+36 WETLAND AWB-WE-16 ENTER
STA. 2778+47 WETLAND AWB-WE-16 EXIT
STA. 2779+21 STREAM TRIB TO MILL CREEK AS-WE-16 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

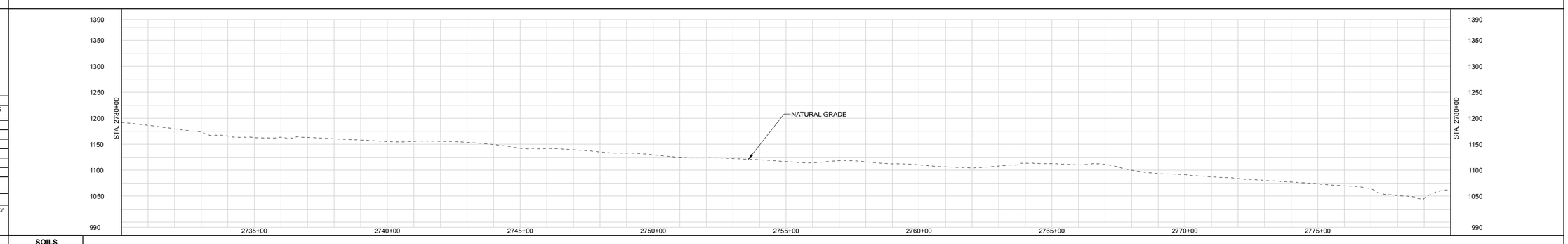
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV	DSN	CK	DESCRIPTION
A			ISSUED FOR FERC
REVISIONS			

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 51.70 to M.P. 52.65
STA. 2730+00 to STA. 2780+00
ALIGNMENT SHEET

LOC. WAYNE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1057	REV. A

P:\295_UPSTREAM_PIPELINE\295K_OSR\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 05f of 266.pdf - PLOT TIME: 2015-04-22 09:33:55

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RIGHT-OF-WAY

TRACT NUMBERS

2780+00	OH-WA-087.0000-SC 1009 FT. 61.2 RODS	2790+09	OH-WA-088.0000-SC 2375 FT. 143.9 RODS	2813+84	OH-WA-089.0000-SC 309 FT. 18.7 RODS	2816+93	OH-WA-091.0000-SC 193 FT. 11.7 RODS	2818+85	OH-WA-098.0000-RD 19 FT. 1.2 RODS	2819+04	OH-WA-098.0200-SC 72 FT. 4.4 RODS	2819+76	OH-WA-098.0100-SC 57 FT. 3.5 RODS	2820+33	OH-WA-102.0000-SC 108 FT. 6.5 RODS	2821+41	OH-WA-104.0000-SC 518 FT. 31.4 RODS	2826+59	OH-WA-103.0000-SC 341 FT. 20.7 RODS	2830+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2783+53 FIELD ROAD (LIDAR) EDGE
STA. 2783+83 FIELD ROAD (LIDAR) EDGE
STA. 2797+82 PI – 07°33'01" RT
STA. 2815+43 PI – 16°40'26" RT
STA. 2818+75 POWERLINE (LIDAR)
STA. 2818+98 ROAD (LIDAR) EDGE
STA. 2819+46 POWERLINE (LIDAR)
STA. 2819+97 MOUNT EATON ROAD CENTERLINE (SCALED)
STA. 2819+10 ROAD (LIDAR) EDGE
STA. 2819+26 POWERLINE (LIDAR)
STA. 2819+38 POWERLINE (LIDAR)
STA. 2822+79 PI – 20°51'17" RT
STA. 2826+50 POWERLINE (LIDAR)

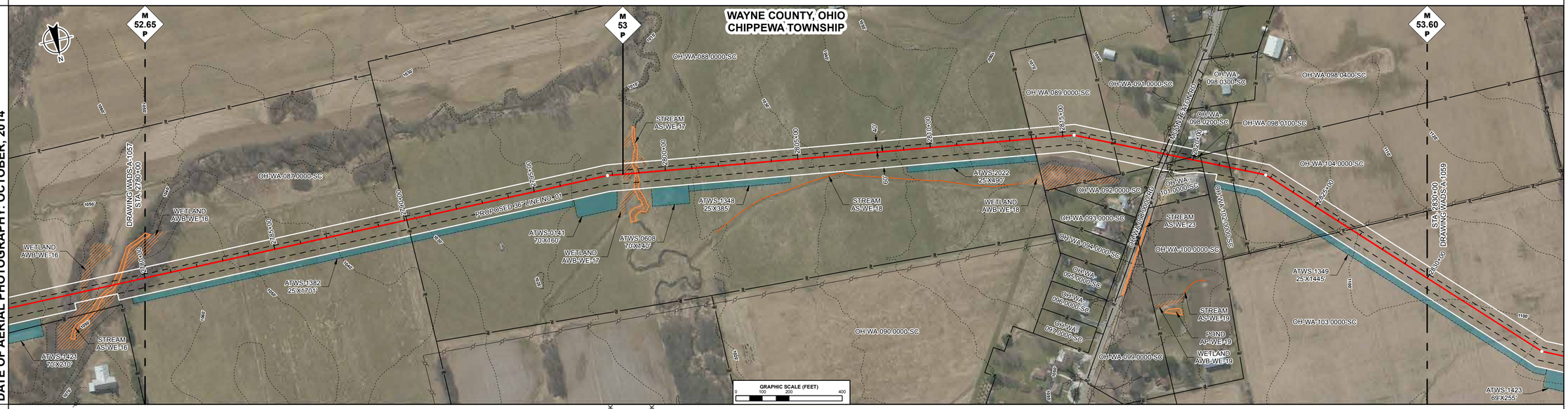
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 2788+35 WETLAND AWB-WE-17 ENTER
STA. 2788+63 WETLAND AWB-WE-17 EXIT
STA. 2788+76 STREAM MILL CREEK AS-WE-17 ENTER
STA. 2788+80 WETLAND AWB-WE-17 EXIT
STA. 2788+86 WETLAND AWB-WE-17 EXIT
STA. 2789+12 STREAM MILL CREEK AS-WE-17 EXIT
STA. 2789+12 WETLAND AWB-WE-17 ENTER
STA. 2799+31 WETLAND AWB-WE-17 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

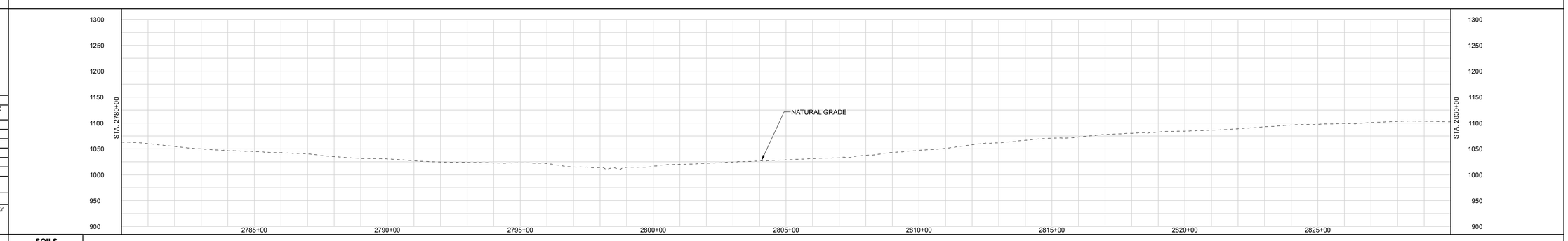
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL	**LAND USE**
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY	**% SLOPE**

SOILS

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 52.65 to M.P. 53.60
STA. 2780+00 to STA. 2830+00
ALIGNMENT SHEET

LOC. WAYNE COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1058	REV. A

P:\295_UPSTREAM\PIPELINE\295K_GIS\Tundra\Out\NEXUS PROPOSED MAINLINE PIPELINE 0058 of 2858.pdf - PLOT TIME: 2015-04-21 17:01:45

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RIGHT-OF-WAY

TRACT NUMBERS

2830+00 | OH-WA-103.0000-SC | 765 FT. | 46.4 RODS
2837+65 | OH-WA-105.0000-SC | 1171 FT. | 71.0 RODS
2849+36 | OH-WA-107.0000-SC | 301 FT. | 18.2 RODS
2852+37 | OH-WA-108.0000-SC | 287 FT. | 17.4 RODS
2855+24 | OH-WA-109.0000-SC | 253 FT. | 15.3 RODS
2857+77 | OH-WA-111.0000-SC | 493 FT. | 29.9 RODS
2862+70 | OH-WA-112.0000-RD | 24 FT. | 1.5 RODS
2862+94 | OH-WA-117.0000-RD | 70 FT. | 4.2 RODS
2863+64 | OH-ME-003.0000-SC | 987 FT. | 59.8 RODS
2873+51 | OH-ME-004.0000-RR | 95 FT. | 5.8 RODS
2874+46 | OH-ME-005.0000-RD | 65 FT. | 3.9 RODS
2875+11 | OH-ME-007.0000-SC | 489 FT. | 29.6 RODS
2880+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2835+12 PI – 20°18'01" LT
STA. 2843+39 POWERLINE (LIDAR)
STA. 2857+42 PI – 16°20'01" RT
STA. 2862+79 ROAD EDGE
STA. 2862+95 PAVED, PIEFER RD POWERLINE
STA. 2863+38 MUNICIPALITY LINE
STA. 2863+56 PAVED, EASTERN RD CENTERLINE
STA. 2863+52 ROAD EDGE
STA. 2872+93 PI – 18°41'21" LT
STA. 2874+63 ROAD EDGE
STA. 2874+76 PAVED, RITTMAN RD CENTERLINE
STA. 2874+89 ROAD EDGE

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
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- APPROXIMATE WETLAND BOUNDARY
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- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
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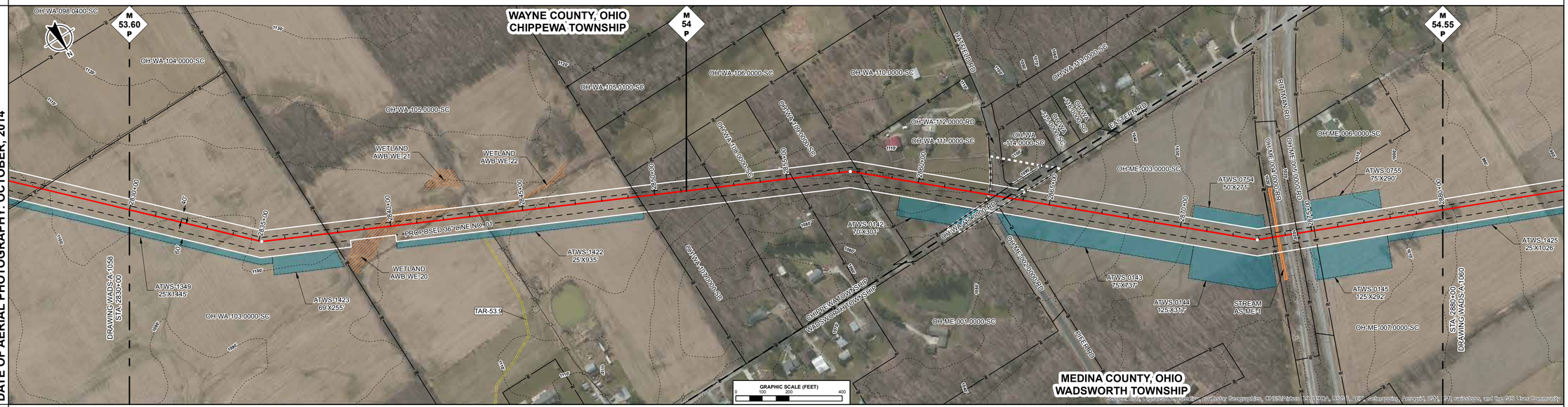
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 2838+78 WETLAND AWB-WE-20 ENTER
STA. 2842+65 WETLAND AWB-WE-20 EXIT
STA. 2844+22 WETLAND AWB-WE-22 ENTER
STA. 2845+10 WETLAND AWB-WE-22 EXIT
STA. 2873+68 STREAM TRIB TO STYX RIVER AS-ME-1 ENTER
STA. 2873+77 STREAM TRIB TO STYX RIVER AS-ME-1 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000 FT
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SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

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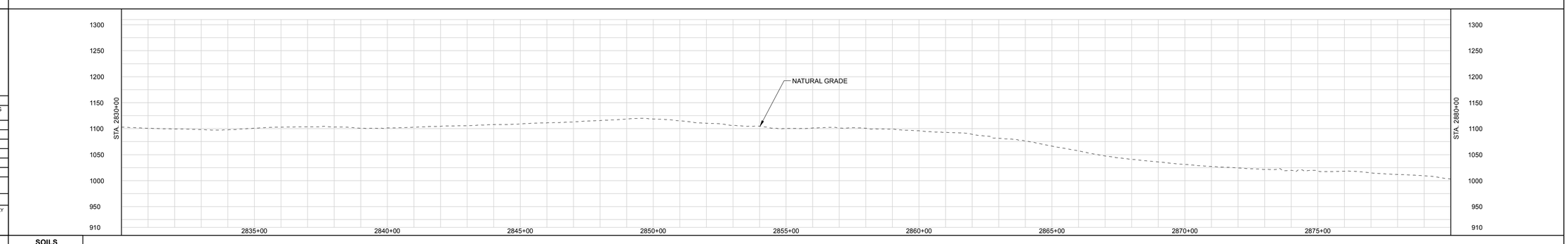

LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV	DSN	CK	DESCRIPTION
A			ISSUED FOR FERC
REVISIONS			

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 53.60 to M.P. 54.55
STA. 2830+00 to STA. 2880+00
ALIGNMENT SHEET

LOC. WAYNE COUNTY, OHIO AND MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1059	REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

Tract	From	To	Length
OH-ME-007.0000-SC	2880+00	2891+98	1106 FT. / 67.0 RODS
OH-ME-009.0000-RD	2891+98	2892+97	191 FT. / 11.6 RODS
OH-ME-011.0000-SC	2892+97	2907+08	1411 FT. / 85.5 RODS
OH-ME-012.0000-WB	2907+08	2907+36	28 FT. / 1.7 RODS
OH-ME-013.0000-SC	2907+36	2920+46	1310 FT. / 79.4 RODS
OH-ME-016.0000-RD	2920+46	2920+90	44 FT. / 2.7 RODS
OH-ME-019.0000-RD	2920+90	2921+76	86 FT. / 5.2 RODS
OH-ME-022.0000-SC	2921+76	2923+22	146 FT. / 8.8 RODS
OH-ME-024.0000-SC	2923+22	2928+17	495 FT. / 30.0 RODS
OH-ME-025.0000-SC	2928+17	2930+00	183 FT. / 11.1 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2891+12 FENCE
STA. 2891+55 ROAD EDGE
STA. 2891+70 PAVED, SH 57 CENTERLINE
STA. 2891+87 ROAD EDGE
STA. 2892+98 FENCE
STA. 2906+86 TOP BANK
STA. 2906+93 OREL DEPTH 3.0 FT. CENTERLINE
STA. 2914+24 PI – P.O.T.
STA. 2915+85 PI – 24°01'24" RT
STA. 2920+72 ROAD EDGE
STA. 2920+89 PAVED, NEWCOMER RD CENTERLINE
STA. 2921+50 PAVED, WALL RD CENTERLINE
STA. 2921+44 ROAD EDGE
STA. 2928+76 PI – 12°55'09" RT

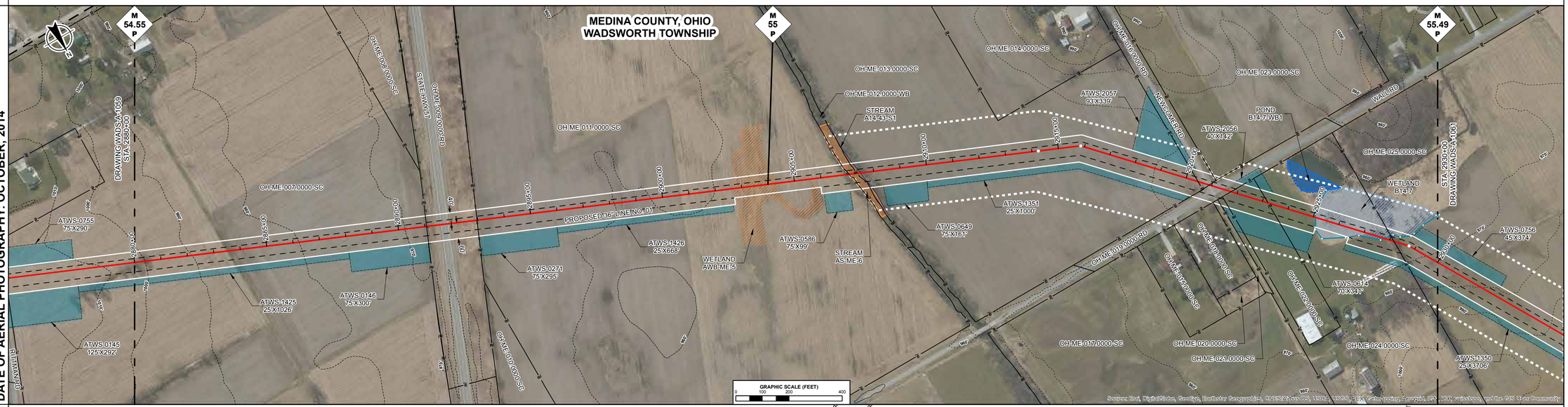
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 2902+67 WETLAND AWB-ME-5 ENTER
STA. 2904+45 WETLAND AWB-ME-5 EXIT
STA. 2905+61 WETLAND AWB-ME-5 ENTER
STA. 2905+87 WETLAND AWB-ME-5 EXIT
STA. 2906+82 WETLAND AS-ME-6 ENTER
STA. 2906+82 STREAM STYX RIVER AS-ME-6 ENTER
STA. 2906+82 CENTERLINE OF STREAM A14-43-S1 STYX RIVER
STA. 2906+84 STREAM STYX RIVER AS-ME-6 EXIT
STA. 2907+84 WETLAND AS-ME-6 EXIT
STA. 2925+04 WETLAND B14-7 ENTER
STA. 2928+73 WETLAND B14-7 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

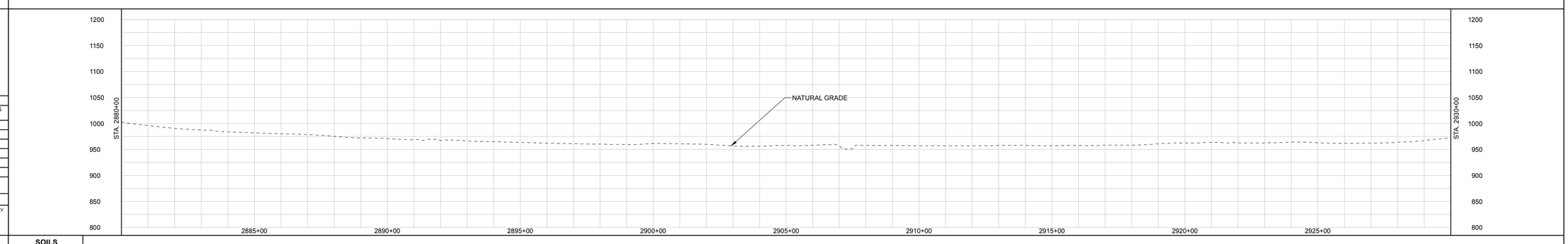
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 54.55 to M.P. 55.49
STA. 2880+00 to STA. 2930+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1060	REV. A

I.G.#

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RIGHT-OF-WAY

TRACT NUMBERS

2930+00 | OH-ME-025.0000-SC: 2243 FT. / 135.9 RODS | 2952+43 | OH-ME-026.0000-SC: 32 FT. / 1.9 RODS | 2952+75 | OH-ME-027.0000-SC: 1298 FT. / 78.7 RODS | 2965+73 | OH-ME-030.0000-SC: 786 FT. / 47.6 RODS | 2973+59 | OH-ME-031.0000-SC: 641 FT. / 38.8 RODS | 2980+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2961+79 PI = 42°40'48" LT

STA. 2975+59 PI = 17°24'30" LT

STA. 2977+98 PI = 50°33'30" RT

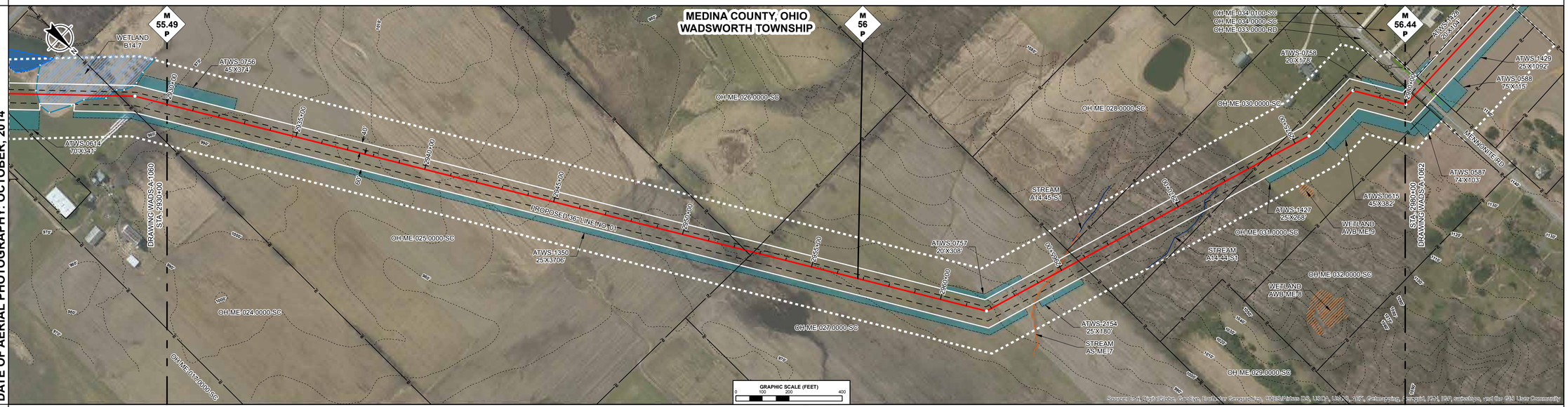
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



STA. 2964+67 CENTERLINE OF STREAM AS-ME-7 TRIB TO STYX RIVER

ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

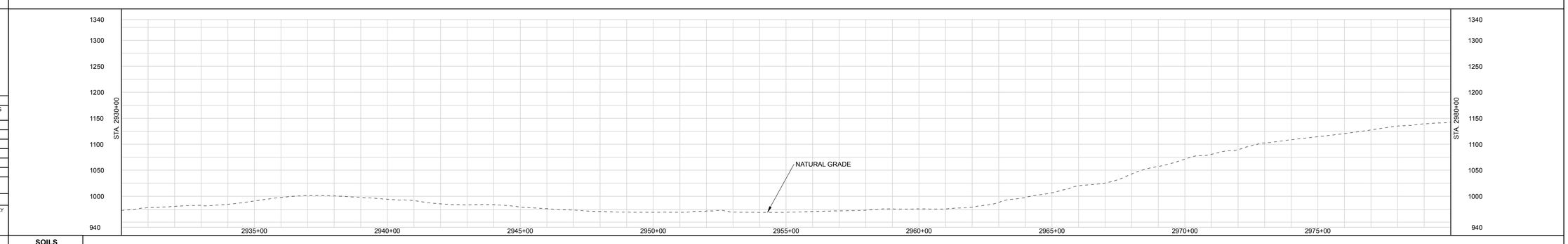
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 55.49 to M.P. 56.44
STA. 2930+00 to STA. 2980+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1061	REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

Tract	From	To	Length	Rods
OH-ME-031.0000-SC	2980+00	2980+49	49 FT.	3.0 RODS
OH-ME-033.0000-RD	2980+49	2981+08	59 FT.	3.6 RODS
OH-ME-035.0000-SC	2981+08	2985+45	437 FT.	26.5 RODS
OH-ME-037.0000-SC	2985+45	2989+12	367 FT.	22.2 RODS
OH-ME-038.0000-SC	2989+12	2993+09	397 FT.	24.1 RODS
OH-ME-040.0000-SC	2993+09	2997+43	434 FT.	26.3 RODS
OH-ME-041.0000-SC	2997+43	3001+81	438 FT.	26.5 RODS
OH-ME-043.0000-SC	3001+81	3003+11	330 FT.	20.0 RODS
OH-ME-044.0000-SC	3003+11	3004+01	90 FT.	5.5 RODS
OH-ME-045.0000-SC	3004+01	3010+54	653 FT.	39.6 RODS
OH-ME-047.0000-SC	3010+54	3015+55	301 FT.	18.2 RODS
OH-ME-046.0000-SC	3015+55	3024+19	864 FT.	52.4 RODS
OH-ME-052.0000-RD	3024+19	3024+60	41 FT.	2.5 RODS
OH-ME-054.0000-SC	3024+60	3029+57	497 FT.	30.1 RODS
OH-ME-057.0000-SC	3029+57	3030+00	43 FT.	2.6 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 2980+03 PI = 61+38'29" LT
STA. 2980+53 POWERLINE, 21.5' FT. LEFT
STA. 2980+62 ROAD EDGE
STA. 2980+74 PAVED, MEDINA LINE RD CENTERLINE
STA. 2980+84 ROAD EDGE
STA. 2980+85 TOP BANK
STA. 2980+92 TOP BANK
STA. 2980+96 TOP BANK
STA. 2980+97 ABOVEGROUND TELEPHONE

STA. 2985+38 PI = 12+45'07" LT

STA. 2988+31 OTHER WELL, 157 FT. LEFT

STA. 2992+32 PI = 14+17'26" RT

STA. 2993+36 MUNICIPALITY LINE

STA. 3001+84 TOP BANK
STA. 3002+09 TOP BANK
STA. 3002+13 TOP BANK
STA. 3002+18 CREEK, DEPTH 0.4 FT. CENTERLINE
STA. 3006+23 TOP BANK

STA. 3014+97 PI = 57+58'36" LT

STA. 3018+49 PI = 58+41'38" RT

STA. 3021+16 GAS WELL, 58 FT. LEFT
STA. 3021+26 GAS PL

STA. 3024+16 ABOVEGROUND TELEPHONE
STA. 3024+27 ROAD EDGE
STA. 3024+37 PAVED ACME RD CENTERLINE
STA. 3024+47 ROAD EDGE

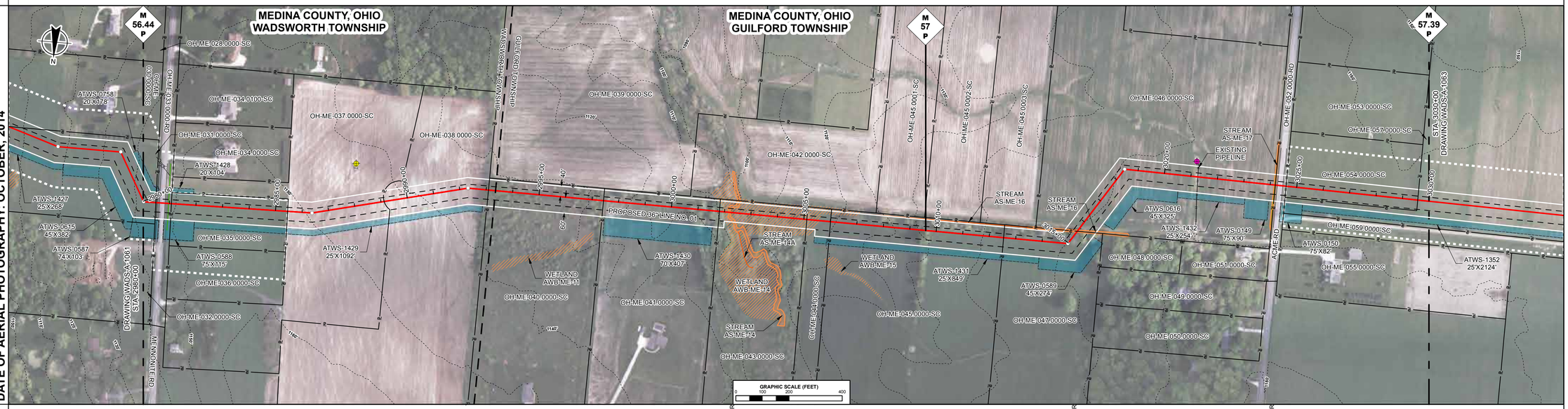
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3001+71 WETLAND AWB-ME-14 ENTER
STA. 3002+12 STREAM TRIB TO STYX RIVER AS-ME-14 ENTER
STA. 3002+57 STREAM TRIB TO STYX RIVER AS-ME-14 EXIT

STA. 3007+07 WETLAND AWB-ME-14 EXIT

STA. 3015+28 STREAM TRIB TO STYX RIVER AS-ME-16 ENTER
STA. 3015+84 STREAM TRIB TO STYX RIVER AS-ME-16 EXIT

STA. 3024+14 STREAM TRIB TO STYX RIVER AS-ME-17 ENTER
STA. 3024+28 STREAM TRIB TO STYX RIVER AS-ME-17 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

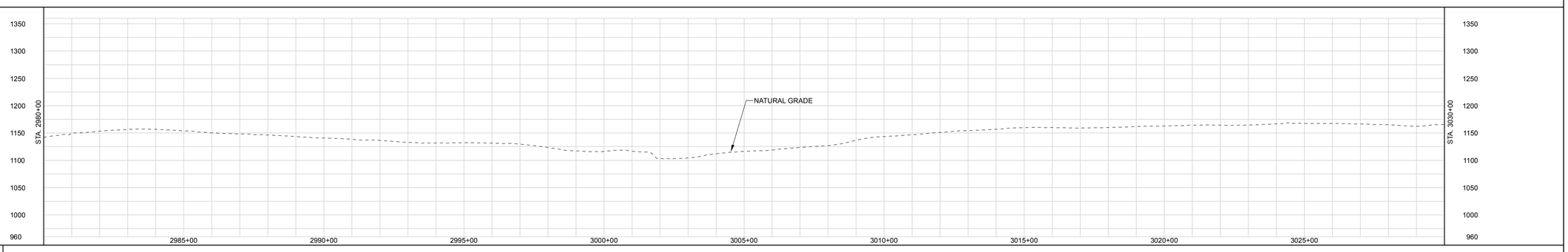
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 56.44 to M.P. 57.39
STA. 2980+00 to STA. 3030+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1062	REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

3030+00 | OH-ME-057.0000-SC | 2070 FT. | 125.5 RODS | 3050+70 | OH-ME-059.0000-SC | 105 FT. | 6.4 RODS | 3051+75 | OH-ME-061.0000-SC | 2692 FT. | 163.2 RODS | 3078+67 | OH-ME-065.0000-SC | 133 FT. | 8.1 RODS | 3080+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3049+12 PI – 35°51'17" RT
STA. 3050+00 GAS PL
STA. 3050+17 GAS PL
STA. 3051+83 PI – 22°40'09" LT
STA. 3052+33 GAS PL
STA. 3071+24 PI – 35°53'42" RT

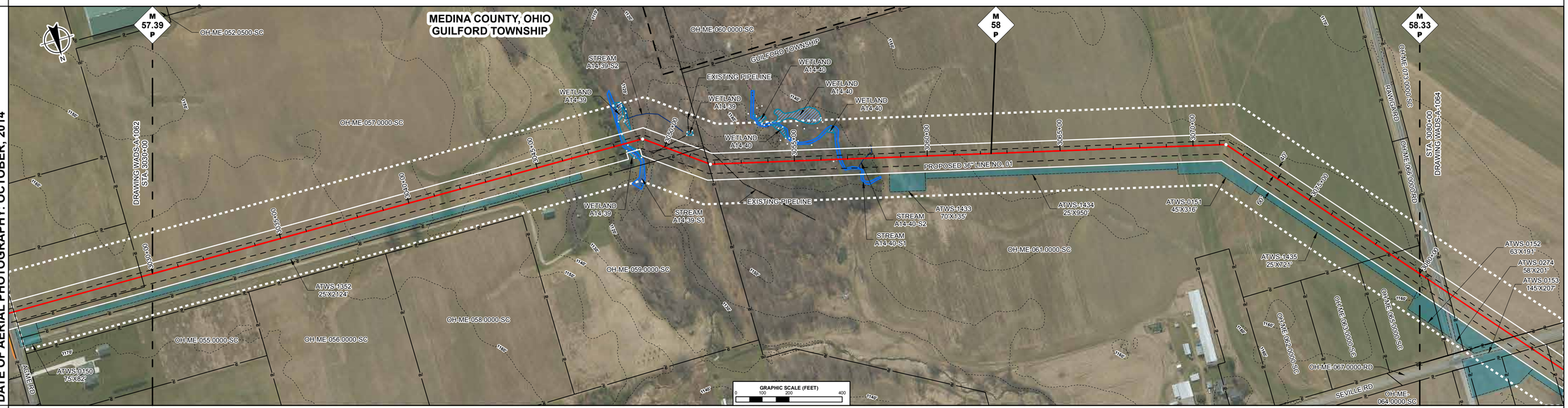
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3048+32 STREAM TOMMY RUN A14-39-S2 EXIT
STA. 3048+41 WETLAND A14-39 ENTER
STA. 3048+71 STREAM TOMMY RUN A14-39-S1 EXIT
STA. 3049+60 WETLAND A14-39 EXIT
STA. 3056+59 STREAM TRIB TO TOMMY RUN A14-40-S1 ENTER
STA. 3056+65 STREAM TRIB TO TOMMY RUN A14-40-S1 EXIT
STA. 3057+65 CENTERLINE OF STREAM A14-40-S2 TRIB TO TOMMY RUN

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

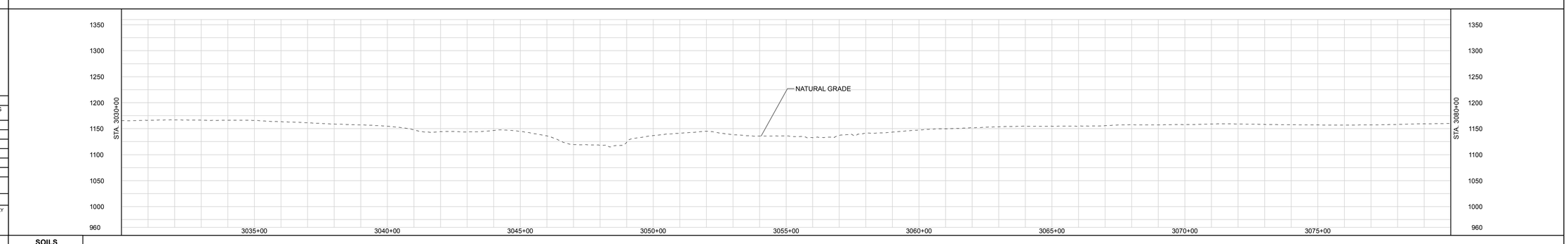
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 57.39 to M.P. 58.33
STA. 3030+00 to STA. 3080+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1063	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 063 of 266.pdf PLOT TIME: 2015-04-22 16:16:53

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

Tract	Station	Length	Rods
OH-ME-065.0000-SC	3080+00	38 FT.	2.3 RODS
OH-ME-066.0000-RD	3080+38	92 FT.	5.6 RODS
OH-ME-073.0000-SC	3081+30	295 FT.	17.9 RODS
OH-ME-067.0000-RD	3084+26	80 FT.	4.8 RODS
OH-ME-069.0000-SC	3085+06	90 FT.	5.5 RODS
OH-ME-070.0000-SC	3085+96	268 FT.	16.2 RODS
OH-ME-071.0000-SC	3088+64	268 FT.	16.2 RODS
OH-ME-072.0000-SC	3091+32	28 FT.	1.7 RODS
OH-ME-074.0000-SC	3091+60	931 FT.	56.4 RODS
OH-ME-075.0000-SC	3100+91	1819 FT.	110.2 RODS
OH-ME-076.0000-SC	3119+10	1090 FT.	66.1 RODS
	3130+00		

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3080+76 ROAD EDGE
STA. 3080+91 PAVED, RAWIGA RD CENTERLINE
STA. 3081+07 ROAD EDGE

STA. 3084+48 ROAD EDGE
STA. 3084+62 PAVED, SEVILLE RD CENTERLINE
STA. 3084+75 ROAD EDGE

STA. 3092+32 PI = 11°00'22" RT

STA. 3120+99 PI = 29°06'35" RT

STA. 3124+79 FENCE

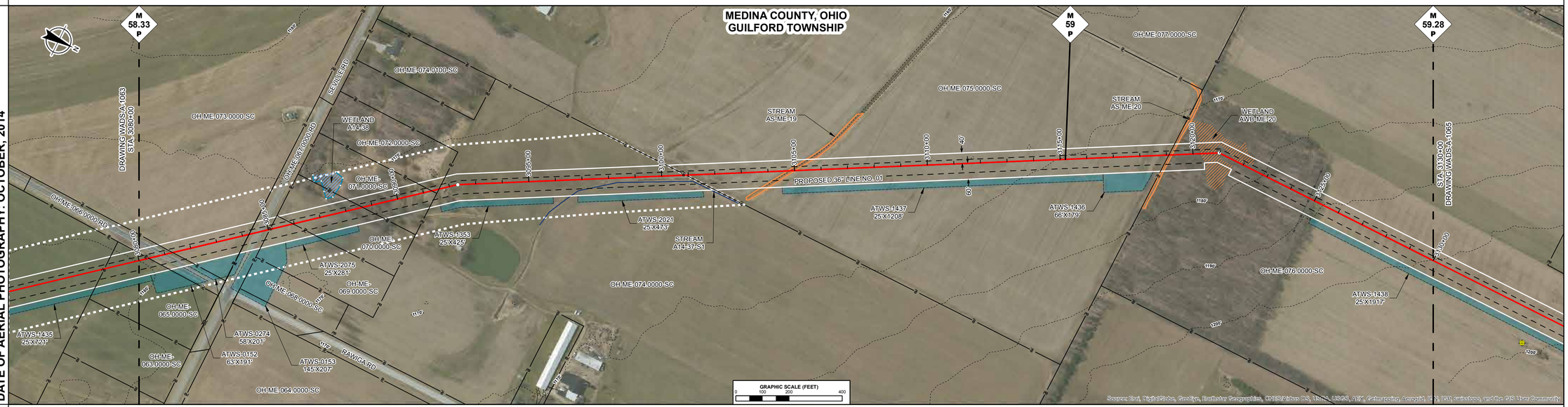
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD — PAR-0.0
TEMPORARY ACCESS ROAD — TAR-0.0
PARCEL TRACT NO — OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR — 1200
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE — FIRE HYDRANT
WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3103+70 STREAM TRIB TO CHIPPEWA CREEK AS-ME-19 ENTER

STA. 3105+74 STREAM TRIB TO CHIPPEWA CREEK AS-ME-19 EXIT

STA. 3118+79 STREAM TRIB TO CHIPPEWA CREEK AS-ME-20 ENTER
STA. 3119+44 STREAM TRIB TO CHIPPEWA CREEK AS-ME-20 EXIT
STA. 3120+19 WETLAND AWB-ME-20 ENTER

STA. 3122+33 WETLAND AWB-ME-20 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

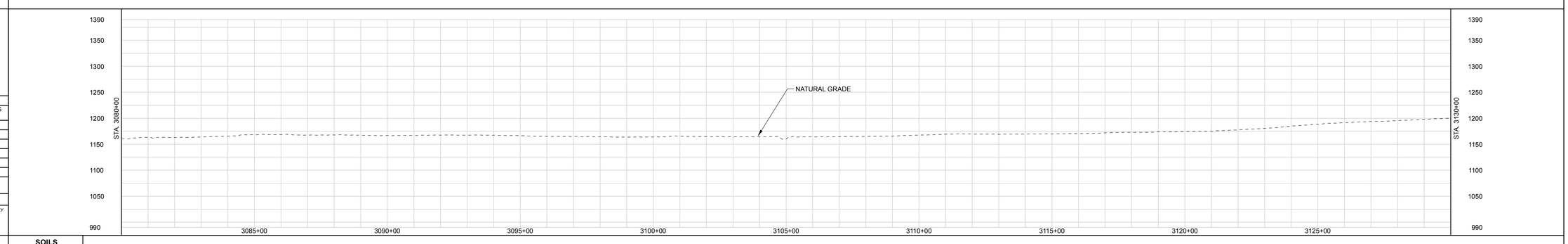
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 58.33 to M.P. 59.28
STA. 3080+00 to STA. 3130+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1064	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DIG.#

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RIGHT-OF-WAY

TRACT NUMBERS

3130+00	OH-ME-076.0000-SC 1525 FT. 92.4 RODS	3145+25	OH-ME-086.0000-RD 59 FT. 3.6 RODS	3145+84	OH-ME-086.0400-SC 521 FT. 31.6 RODS	3151+05	OH-ME-086.0500-SC 295 FT. 17.9 RODS	3154+00	OH-ME-086.0600-SC 79 FT. 4.8 RODS	3154+79	OH-ME-086.0700-SC 379 FT. 23.0 RODS	3159+58	OH-ME-086.0800-SC 61 FT. 3.7 RODS	3159+19	OH-ME-086.0900-SC 445 FT. 27.0 RODS	3163+64	OH-ME-087.0000-SC 1222 FT. 74.1 RODS	3175+86	OH-ME-089.0000-RD 205 FT. 12.4 RODS	3177+91	OH-ME-090.0000-SC 209 FT. 12.7 RODS	3180+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3134+38 OTHER WELL, 126 FT. RIGHT
STA. 3142+07 FENCE
STA. 3142+09 OTHER WELL, 49 FT. LEFT
STA. 3143+25 FENCE
STA. 3145+16 FENCE
STA. 3145+19 OTHER WELL, 48 FT. LEFT
STA. 3145+28 POWERLINE, CLEARANCE 18 FT.
STA. 3145+31 DITCH, DEPTH 0.6 FT. CENTERLINE
STA. 3145+34 TOE BANK
STA. 3145+41 TOP BANK
STA. 3145+49 TOP EDGE
STA. 3145+56 PAVED GREENWICH RD CENTERLINE
STA. 3145+63 TOP EDGE
STA. 3145+73 TOP BANK
STA. 3145+80 TOE BANK
STA. 3145+82 DITCH, DEPTH 0.4 FT. CENTERLINE
STA. 3145+86 POWERLINE, CLEARANCE 21 FT.
STA. 3150+33 PI = 45°01'44" LT
STA. 3169+16 PI = 45°25'06" RT
STA. 3176+57 176 E (SCALED) CENTERLINE
STA. 3177+27 176 W (SCALED) CENTERLINE

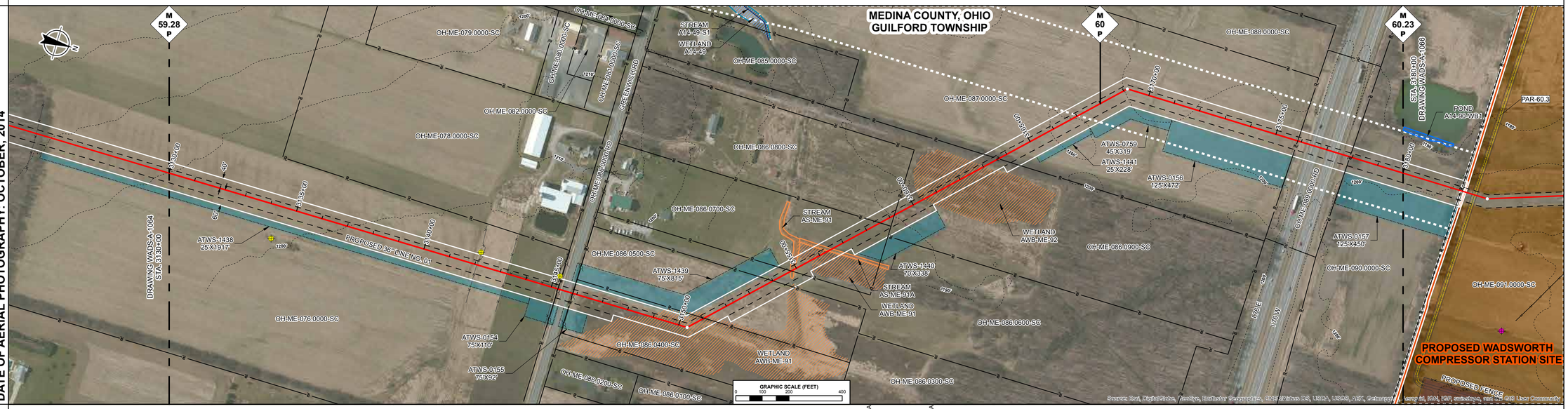
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3147+87 WETLAND AWB-ME-91 ENTER
STA. 3151+61 WETLAND AWB-ME-91 EXIT
STA. 3154+37 WETLAND AWB-ME-91 ENTER
STA. 3154+65 STREAM TRIB TO CHIPPEWA CREEK AS-ME-91 ENTER
STA. 3154+95 WETLAND AWB-ME-91 EXIT
STA. 3155+23 WETLAND AWB-ME-91 ENTER
STA. 3155+28 STREAM TRIB TO CHIPPEWA CREEK AS-ME-91 EXIT
STA. 3155+48 STREAM TRIB TO CHIPPEWA CREEK AS-ME-91A ENTER
STA. 3156+78 WETLAND AWB-ME-91 EXIT
STA. 3156+88 STREAM TRIB TO CHIPPEWA CREEK AS-ME-91A EXIT
STA. 3160+33 WETLAND AWB-ME-92 ENTER
STA. 3163+39 WETLAND AWB-ME-92 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

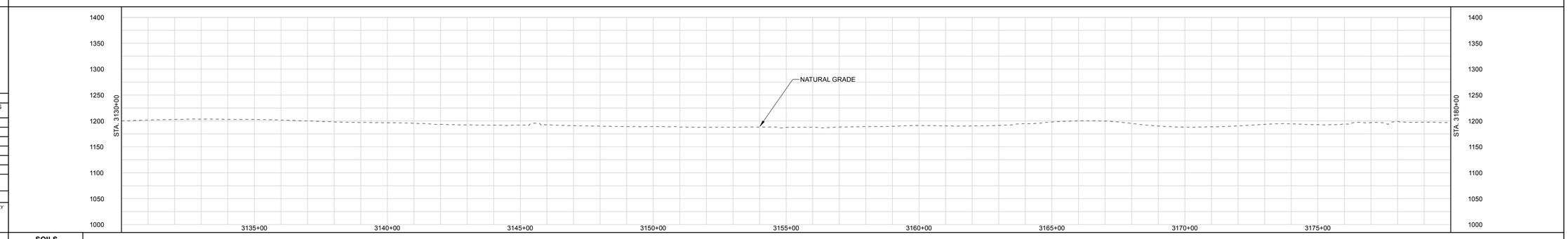
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 59.28 to M.P. 60.23
STA. 3130+00 to STA. 3180+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1065 | REV. A

IG.#

P:\295_UPSTREAM\PIPELINE\295K_GIS\Tundra\Data\NEXUS PROPOSED MAINLINE PIPELINE 295 of 295.pdf - PLOT TIME: 2015-04-23 14:15:38

RIGHT-OF-WAY

TRACT NUMBERS

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

3230+00 | OH-ME-094.0100-RD 61 FT. 3.7 RODS | 3230+60 | OH-ME-094.0101-SC 462 FT. 28.0 RODS | 3235+22 | OH-ME-103.0000-SC 638 FT. 38.7 RODS | 3241+60 | OH-ME-103.0101-RD 60 FT. 3.6 RODS | 3242+20 | OH-ME-103.0102-SC 2766 FT. 167.6 RODS | 3269+86 | OH-ME-103.0105-SC 1014 FT. 61.5 RODS | 3280+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3230+00 POWERLINE, CLEARANCE 41 FT.
STA. 3230+15 ROAD EDGE
STA. 3230+26 PAVED, GUILFORD RD CENTERLINE
STA. 3230+37 ROAD EDGE

STA. 3240+70 PI = 61°42'28" RT
STA. 3240+70 POWERLINE, CLEARANCE 28 FT.
STA. 3241+70 DITCH, DEPTH 0 FT. CENTERLINE
STA. 3241+81 ROAD EDGE
STA. 3241+92 PAVED, BLAKE RD CENTERLINE
STA. 3242+02 ROAD EDGE
STA. 3242+07 DITCH, DEPTH 0 FT. CENTERLINE
STA. 3250+00 POWERLINE, CLEARANCE 35 FT.

STA. 3250+00 TOP BANK
STA. 3250+23 DRAIN, DEPTH 0 FT. CENTERLINE
STA. 3250+38 TOP BANK

STA. 3252+33 GAS WELL, 48 FT. RIGHT

STA. 3269+80 FENCE

STA. 3272+32 PI = 53°28'07" LT

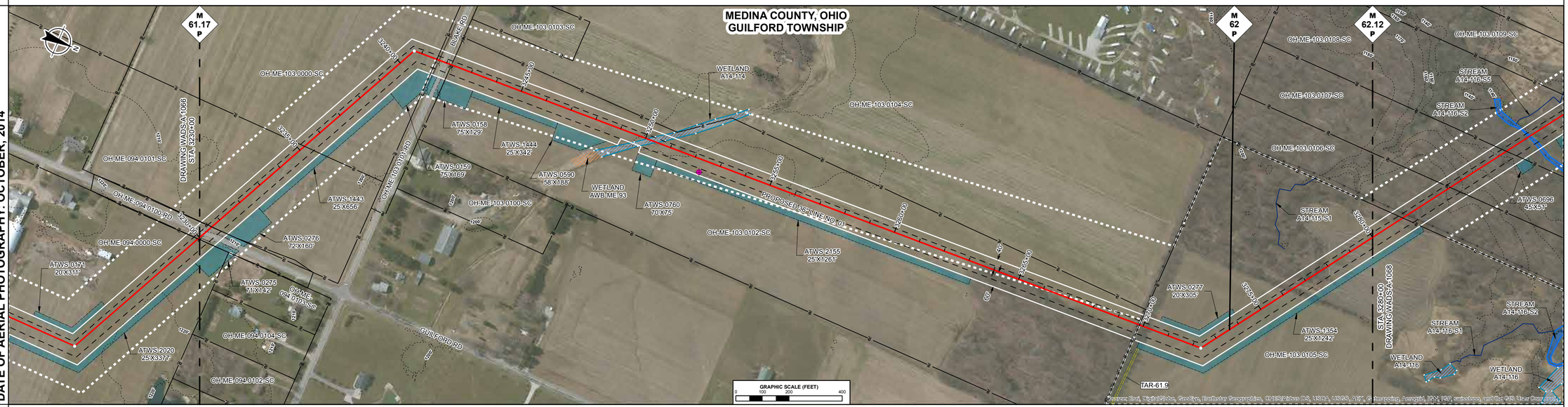
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3249+55 WETLAND A14-114 ENTER
STA. 3251+05 WETLAND A14-114 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

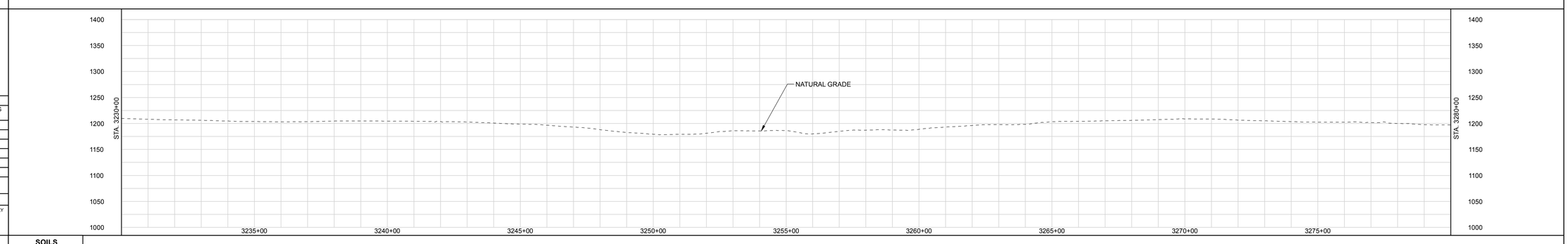
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 61.17 to M.P. 62.12
STA. 3230+00 to STA. 3280+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1067 | REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 067 of 266.pdf PLOT TIME: 2015-04-22 16:45:10

RIGHT-OF-WAY

TRACT NUMBERS

Tract	From	To	Length	Rods
OH-ME-103.0105-SC	3280+00	3281+35	135 FT.	8.2 RODS
OH-ME-103.0106-SC	3281+35	3283+47	212 FT.	12.8 RODS
OH-ME-103.0107-SC	3283+47	3285+99	252 FT.	15.3 RODS
OH-ME-103.0108-SC	3285+99	3289+35	336 FT.	20.4 RODS
OH-ME-103.0109-SC	3289+35	3291+46	211 FT.	12.8 RODS
OH-ME-103.0110-SC	3291+46	3296+23	477 FT.	28.9 RODS
OH-ME-103.0111-SC	3296+23	3300+64	441 FT.	26.7 RODS
OH-ME-103.0113-SC	3300+64	3304+23	359 FT.	21.8 RODS
OH-ME-103.0114-SC	3304+23	3304+83	60 FT.	3.6 RODS
OH-ME-103.0116-SC	3304+83	3315+24	1041 FT.	63.1 RODS
OH-ME-103.0120-RD	3315+24	3315+96	73 FT.	4.4 RODS
OH-ME-103.0124-SC	3315+96	3317+76	180 FT.	10.9 RODS
OH-ME-103.0122-RD	3317+76	3319+92	216 FT.	13.1 RODS
OH-ME-103.0121-SC	3319+92	3322+99	307 FT.	18.6 RODS
OH-ME-103.0125-RD	3322+99	3326+10	312 FT.	18.9 RODS
OH-ME-103.0126-SC	3326+10	3330+00	390 FT.	23.6 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3281+56 FENCE
STA. 3315+50 ROAD EDGE
STA. 3315+52 PAVED HUBBARD VALLY RD CENTERLINE
STA. 3315+73 ROAD EDGE
STA. 3317+22 PI – 02°24'17" LT
STA. 3318+41 ROAD EDGE
STA. 3318+48 MUNICIPALITY LINE
STA. 3318+61 PAVED, GOOD RD CENTERLINE
STA. 3318+79 ROAD EDGE
STA. 3323+01 FOREIGN PL
STA. 3324+12, 171 N (SCALED) CENTERLINE
STA. 3325+25 171 S (SCALED) CENTERLINE
STA. 3326+17 FOREIGN PL
STA. 3327+34 PI – 13°47'50" LT

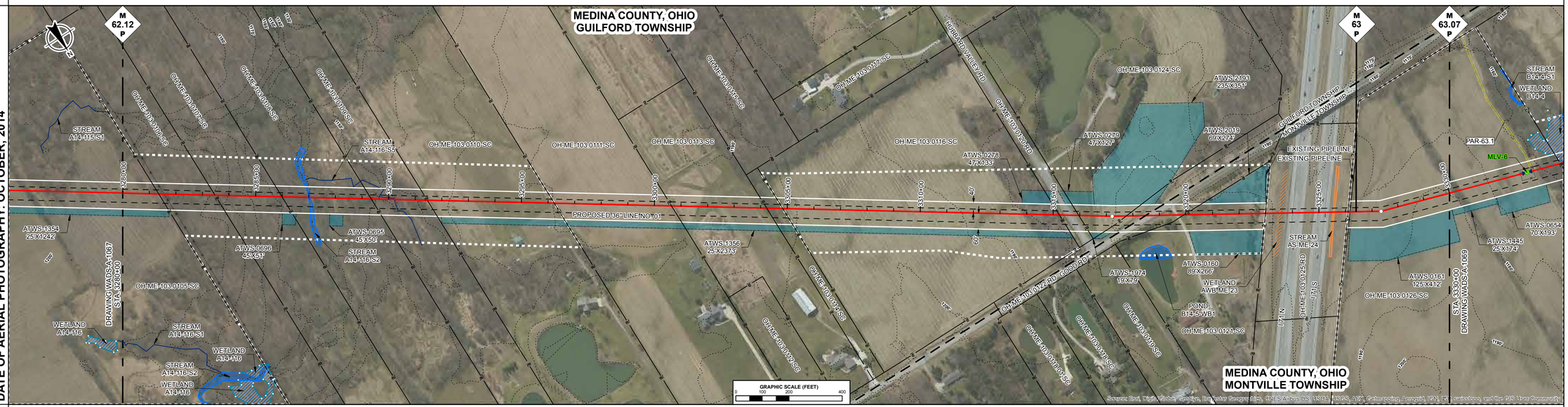
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3286+89 STREAM TRIB TO HUBBARD CREEK A14-116-S2 ENTER
STA. 3287+20 STREAM TRIB TO HUBBARD CREEK A14-116-S2 EXIT
STA. 3290+21 CENTERLINE OF STREAM A14-116-S5 TRIB TO HUBBARD CREEK
STA. 3323+42 WETLAND AWB-ME-23 ENTER
STA. 3323+67 WETLAND AWB-ME-23 EXIT
STA. 3325+49 STREAM TRIB TO HUBBARD CREEK AS-ME-24 ENTER
STA. 3325+49 WETLAND AS-ME-24 ENTER
STA. 3325+61 STREAM TRIB TO HUBBARD CREEK AS-ME-24 EXIT
STA. 3325+61 WETLAND AS-ME-24 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

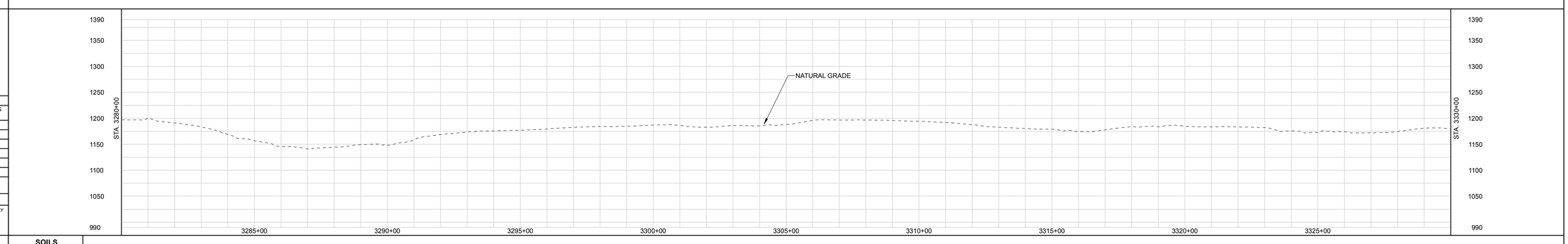
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 62.12 to M.P. 63.07
STA. 3280+00 to STA. 3330+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1068	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 068 of 266.pdf PLOT TIME: 2015-04-22 11:36:16

RIGHT-OF-WAY

TRACT NUMBERS

3330+00 — OH-ME-103.0126-SC: 432 FT. / 26.2 RODS — 3334+32

OH-ME-103.0128-SC: 2528 FT. / 153.2 RODS

3359+60 — OH-ME-103.0129-RD: 61 FT. / 3.7 RODS — 3360+21

OH-ME-103.0130-SC: 1246 FT. / 75.5 RODS — 3372+67

OH-ME-103.0133-SC: 556 FT. / 33.7 RODS — 3378+23

OH-ME-103.0136-SC: 177 FT. / 10.7 RODS — 3380+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3332+77 VALVE FENCE
STA. 3333+02 MLV-6
STA. 3333+27 VALVE FENCE

STA. 3348+60 OIL WELL, 162 FT. LEFT
STA. 3357+77 OIL WELL, 150 FT. LEFT

STA. 3358+13 PI - 15°58'05" LT

STA. 3359+57 GAS PL
STA. 3359+80 ROAD EDGE
STA. 3359+95 PAVED WOOSTER PIKE RD CENTERLINE
STA. 3360+09 ROAD EDGE

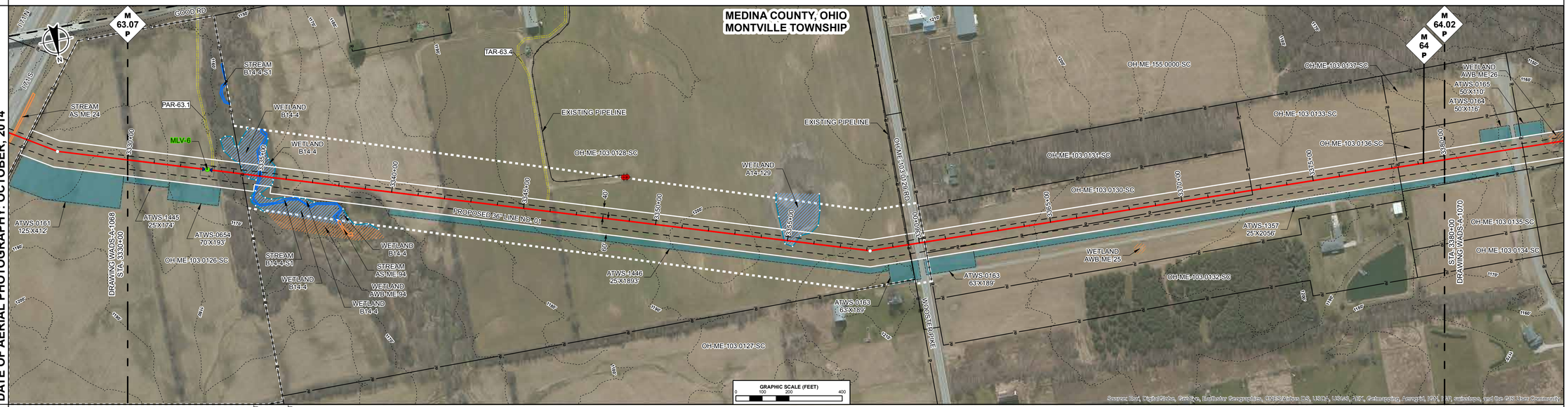
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3334+11 WETLAND B14-4 ENTER
STA. 3334+91 STREAM HUBBARD CREEK B14-4-S1 ENTER
STA. 3334+98 WETLAND B14-4 EXIT
STA. 3334+97 WETLAND B14-4 ENTER
STA. 3335+06 STREAM HUBBARD CREEK B14-4-S1 EXIT
STA. 3339+55 WETLAND B14-4 EXIT

STA. 3354+72 WETLAND A14-129 ENTER
STA. 3355+84 WETLAND A14-129 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

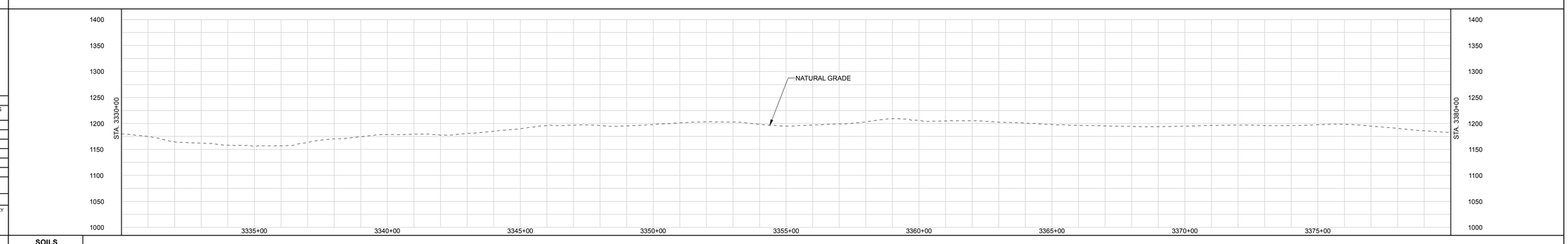
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 63.07 to M.P. 64.02
STA. 3330+00 to STA. 3380+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1069 | REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

Tract	From	To	Length	Rods
OH-ME-103.0136-SC	3380+00	3382+99	299 FT.	18.1 RODS
OH-ME-103.0141-SC	3382+99	3390+38	739 FT.	44.8 RODS
OH-ME-103.0142-SC	3390+38	3396+70	632 FT.	38.3 RODS
OH-ME-159.0000-SC	3396+70	3399+71	301 FT.	18.2 RODS
OH-ME-160.0000-SC	3399+71	3401+18	147 FT.	8.9 RODS
OH-ME-161.0000-SC	3401+18	3402+84	166 FT.	10.1 RODS
OH-ME-164.0000-SC	3402+84	3409+58	674 FT.	40.8 RODS
OH-ME-172.0000-SC	3409+58	3413+15	357 FT.	21.6 RODS
OH-ME-173.0000-SC	3413+15	3415+42	227 FT.	13.8 RODS
OH-ME-170.0000-SC	3415+42	3420+00	458 FT.	27.8 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3386+11 PI – 09°01'56" RT

STA. 3395+44 PI – 24°29'54" RT

STA. 3403+16 MUNICIPALITY LINE

STA. 3403+84 PI – 57°05'31" RT

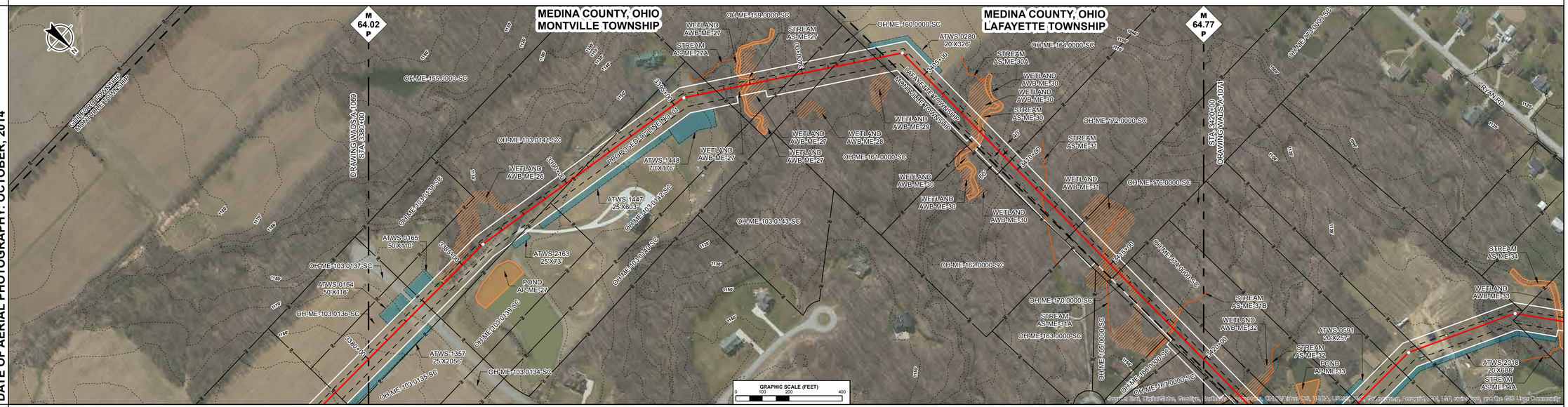
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3383+67 WETLAND AWB-ME-26 ENTER
STA. 3385+40 WETLAND AWB-ME-26 EXIT
STA. 3386+03 WETLAND AWB-ME-26 ENTER
STA. 3386+07 WETLAND AWB-ME-26 EXIT
STA. 3386+15 WETLAND AWB-ME-26 ENTER
STA. 3386+21 WETLAND AWB-ME-26 EXIT
STA. 3387+42 WETLAND AWB-ME-26 ENTER
STA. 3387+52 WETLAND AWB-ME-26 EXIT
STA. 3387+64 WETLAND AWB-ME-26 ENTER
STA. 3387+67 WETLAND AWB-ME-26 EXIT
STA. 3388+01 WETLAND AWB-ME-26 ENTER
STA. 3388+02 WETLAND AWB-ME-26 EXIT
STA. 3397+44 WETLAND AWB-ME-27 ENTER
STA. 3397+61 STREAM TRIB TO CHIPPEWA CREEK AS-ME-27 ENTER
STA. 3397+74 WETLAND AWB-ME-27 ENTER
STA. 3397+99 WETLAND AWB-ME-27 EXIT
STA. 3398+09 STREAM TRIB TO CHIPPEWA CREEK AS-ME-27 EXIT
STA. 3398+54 WETLAND AWB-ME-27 EXIT
STA. 3402+67 WETLAND AWB-ME-29 ENTER
STA. 3403+10 WETLAND AWB-ME-29 EXIT
STA. 3406+94 WETLAND AWB-ME-30 ENTER
STA. 3407+45 STREAM TRIB TO CHIPPEWA CREEK AS-ME-30 ENTER
STA. 3408+15 WETLAND AWB-ME-30 EXIT
STA. 3408+32 STREAM TRIB TO CHIPPEWA CREEK AS-ME-30 EXIT
STA. 3411+37 CENTERLINE OF STREAM AS-ME-31 TRIB TO CHIPPEWA CREEK
STA. 3413+30 WETLAND AWB-ME-31 ENTER
STA. 3414+75 CENTERLINE OF STREAM AS-ME-31 TRIB TO CHIPPEWA CREEK
STA. 3417+12 WETLAND AWB-ME-31 EXIT
STA. 3417+67 WETLAND AWB-ME-31 ENTER
STA. 3418+55 CENTERLINE OF STREAM AS-ME-31B TRIB TO CHIPPEWA CREEK
STA. 3419+05 WETLAND AWB-ME-31 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

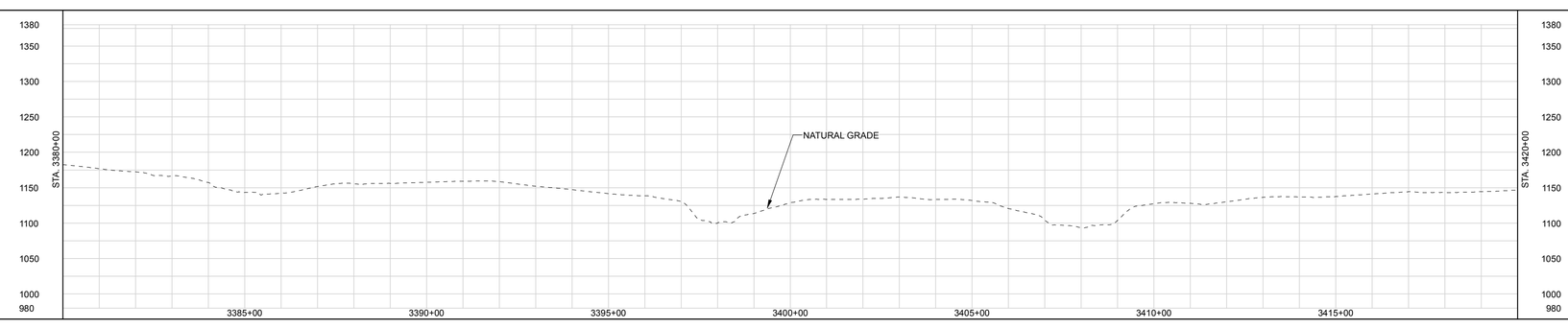
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS

LAND USE

% SLOPE

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV	DSN	CK	DESCRIPTION
A			ISSUED FOR FERC

REVISIONS

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 64.02 to M.P. 64.77
STA. 3380+00 to STA. 3420+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1070	REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

OH-ME-170.0000-SC	530 FT.	32.1 RODS
OH-ME-174.0000-SC	216 FT.	13.1 RODS
OH-ME-176.0000-SC	200 FT.	12.1 RODS
OH-ME-177.0000-SC	106 FT.	6.4 RODS
OH-ME-178.0000-SC	405 FT.	24.5 RODS
OH-ME-182.0000-SC	941 FT.	57.0 RODS
OH-ME-186.0000-RD	60 FT.	3.6 RODS
OH-ME-188.0000-SC	81 FT.	4.9 RODS
OH-ME-189.0000-RD	110 FT.	6.7 RODS
OH-ME-196.0000-SC	171 FT.	10.4 RODS
OH-ME-197.0000-SC	32 FT.	1.9 RODS
OH-ME-198.0000-SC	33 FT.	2.0 RODS
OH-ME-207.0000-SC	1816 FT.	110.1 RODS
OH-ME-214.0000-SC	299 FT.	18.1 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3424+21 PI – 67°44'08" LT
STA. 3426+51 PI – 27°51'49" LT
STA. 3430+13 PI – 25°00'29" RT
STA. 3434+40 PI – 28°33'21" RT
STA. 3443+45 PI – 50°20'29" LT
STA. 3445+29 PI – 29°46'00" RT
STA. 3449+20 PI – 10°56'56" LT
STA. 3466+63 PI – 16°44'16" RT
STA. 3468+17 PI – 40°34'57" LT

STA. 3431+44 UNKNOWN (LIDAR) EDGE
STA. 3432+55 UNKNOWN (LIDAR) EDGE
STA. 3431+57 UNKNOWN (LIDAR) EDGE
STA. 3444+14 ROAD EDGE
STA. 3444+25 PAVED, RYAN RD CENTERLINE
STA. 3444+58 ROAD EDGE
STA. 3445+71 ROAD EDGE
STA. 3446+61 PAVED, CHIPPEWA RD CENTERLINE
STA. 3446+80 ROAD EDGE

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
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- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
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- TEMPORARY ACCESS ROAD (TAR-0.0)
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- RAILROAD TRACK
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- UTILITY LINES
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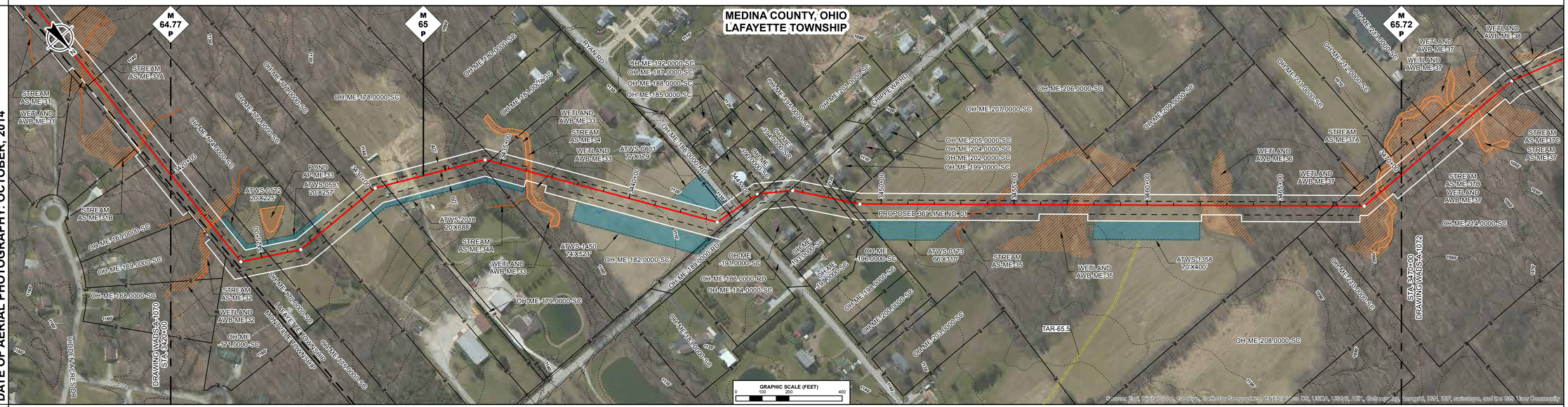
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3421+61 WETLAND AWB-ME-31 ENTER
STA. 3422+44 CENTERLINE OF STREAM AS-ME-32 TRIB TO CHIPPEWA CREEK
STA. 3422+61 WETLAND AWB-ME-32 EXIT
STA. 3435+79 WETLAND AWB-ME-33 ENTER
STA. 3435+90 STREAM TRIB TO CHIPPEWA CREEK AS-ME-34 ENTER
STA. 3436+49 WETLAND AWB-ME-33 ENTER
STA. 3436+10 WETLAND AWB-ME-33 EXIT
STA. 3438+30 STREAM TRIB TO CHIPPEWA CREEK AS-ME-34 EXIT
STA. 3439+83 WETLAND AWB-ME-33 EXIT
STA. 3454+27 WETLAND AWB-ME-35 ENTER
STA. 3454+42 CENTERLINE OF STREAM AS-ME-35 TRIB TO MCCABE CREEK
STA. 3454+61 WETLAND AWB-ME-35 EXIT
STA. 3456+99 WETLAND AWB-ME-35 ENTER
STA. 3459+34 WETLAND AWB-ME-35 EXIT
STA. 3461+06 WETLAND AWB-ME-36 ENTER
STA. 3463+50 WETLAND AWB-ME-36 EXIT
STA. 3467+86 WETLAND AWB-ME-37 ENTER
STA. 3468+02 CENTERLINE OF STREAM AS-ME-37A TRIB TO MCCABE CREEK AS-ME-37A ENTER
STA. 3468+42 WETLAND AWB-ME-37 EXIT
STA. 3469+13 WETLAND AWB-ME-37 ENTER
STA. 3469+22 STREAM AS-ME-37A TRIB TO MCCABE CREEK AS-ME-37A EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
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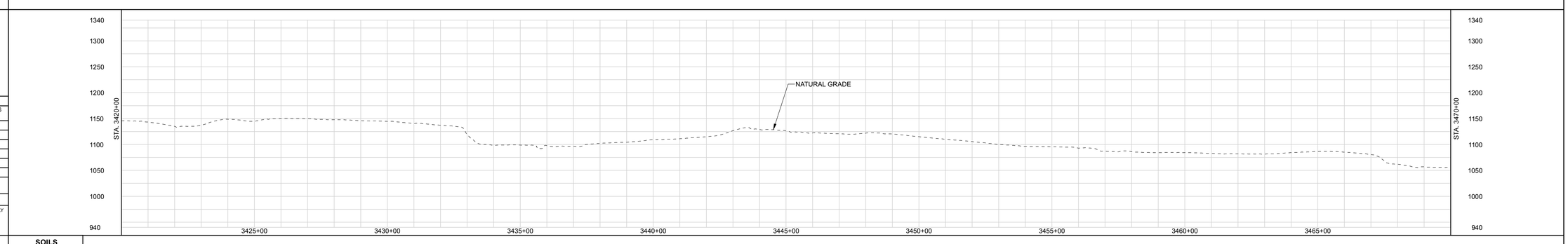
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 64.77 to M.P. 65.72
STA. 3420+00 to STA. 3470+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1071	REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 071 of 266.pdf PLOT TIME: 2015-04-21 15:02:38

RIGHT-OF-WAY

TRACT NUMBERS

3470+00	OH-ME-214.0000-SC 551 FT. 33.4 RODS	3475+51	OH-ME-216.0000-SC 28 FT. 1.7 RODS	3475+79	OH-ME-215.0000-SC 37 FT. 2.2 RODS	3476+16	OH-ME-219.0000-SC 216 FT. 13.1 RODS	3478+32	OH-ME-220.0000-SC 853 FT. 51.7 RODS	3486+85	OH-ME-225.0000-RD 60 FT. 3.6 RODS	3487+45	OH-ME-226.0000-SC 149 FT. 9.0 RODS	3488+94	OH-ME-241.0000-RR 74 FT. 4.5 RODS	3489+68	OH-ME-230.0000-SC 1336 FT. 81.0 RODS	3503+04	OH-ME-237.0000-SC 58 FT. 3.5 RODS	3503+62	OH-ME-238.0000-SC 49 FT. 3.0 RODS	3504+11	OH-ME-247.0000-SC 179 FT. 10.8 RODS	3505+90	OH-ME-244.0000-SC 557 FT. 33.8 RODS	3511+47	OH-ME-249.0000-SC 799 FT. 48.4 RODS	3519+46	OH-ME-250.0000-SC 54 FT. 3.3 RODS	3520+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3475+45 PI – 16°38'25" RT

STA. 3483+37 PI – 14°28'01" LT

STA. 3487+03 ROAD EDGE
STA. 3487+17 PAVED LAKE RD CENTERLINE
STA. 3487+33 ROAD EDGE

STA. 3489+19 RAILROAD TOE
STA. 3489+28 RAILROAD TOP
STA. 3489+33 RAILROAD CENTERLINE
STA. 3489+37 RAILROAD TOP
STA. 3489+46 RAILROAD TOE
STA. 3489+51 PI – 64°17'12" RT

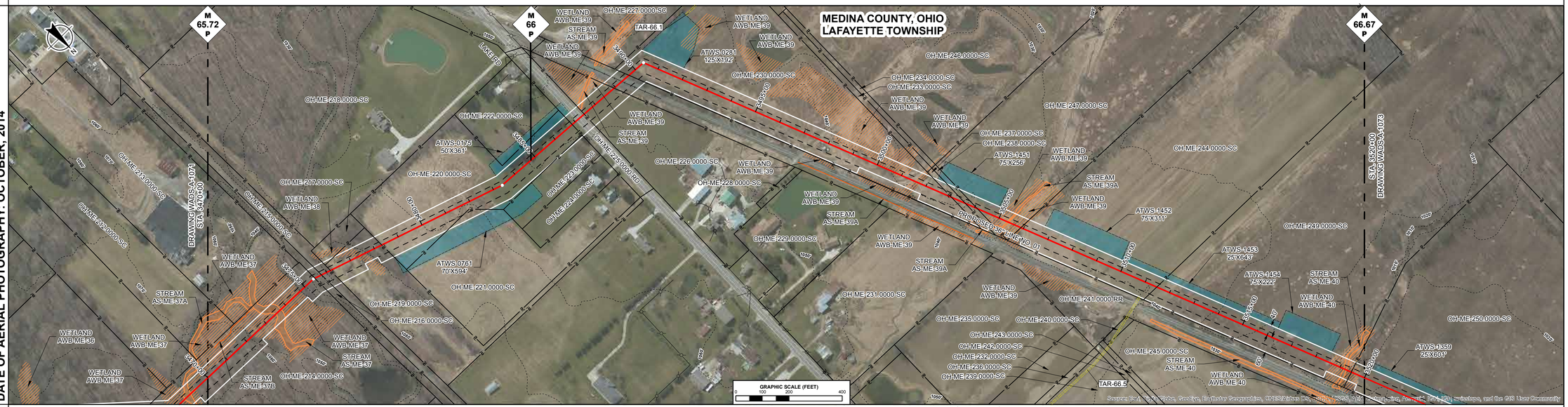
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3471+93 WETLAND AWB-ME-37 EXIT
STA. 3472+28 WETLAND AWB-ME-37 ENTER
STA. 3473+13 STREAM MCCABE CREEK AS-ME-37 ENTER
STA. 3473+54 WETLAND AWB-ME-37 EXIT
STA. 3473+60 WETLAND AWB-ME-37 ENTER
STA. 3473+77 STREAM MCCABE CREEK AS-ME-37 EXIT
STA. 3474+79 WETLAND AWB-ME-37 EXIT
STA. 3476+40 WETLAND AWB-ME-38 ENTER
STA. 3477+82 WETLAND AWB-ME-38 EXIT
STA. 3487+45 STREAM TRIB TO THE INLET AS-ME-39 ENTER
STA. 3487+49 WETLAND AWB-ME-39 ENTER
STA. 3487+53 WETLAND AWB-ME-39 EXIT
STA. 3487+55 WETLAND AWB-ME-39 ENTER
STA. 3487+77 STREAM TRIB TO THE INLET AS-ME-39 EXIT
STA. 3487+99 WETLAND AWB-ME-39 EXIT
STA. 3488+62 WETLAND AWB-ME-39 ENTER
STA. 3489+36 WETLAND AWB-ME-39 EXIT
STA. 3491+38 WETLAND AWB-ME-39 ENTER
STA. 3492+92 WETLAND AWB-ME-39 EXIT
STA. 3497+40 WETLAND AWB-ME-39 ENTER
STA. 3498+08 WETLAND AWB-ME-39 EXIT
STA. 3498+37 WETLAND AWB-ME-39 ENTER
STA. 3498+96 WETLAND AWB-ME-39 EXIT
STA. 3499+43 WETLAND AWB-ME-39 ENTER
STA. 3500+82 WETLAND AWB-ME-39 EXIT
STA. 3501+25 WETLAND AWB-ME-39 ENTER
STA. 3501+32 WETLAND AWB-ME-39 EXIT
STA. 3501+90 WETLAND AWB-ME-39 ENTER
STA. 3502+92 WETLAND AWB-ME-39 EXIT
STA. 3503+93 WETLAND AWB-ME-39 ENTER
STA. 3504+52 WETLAND AWB-ME-39 ENTER
STA. 3504+72 STREAM TRIB TO THE INLET AS-ME-39A ENTER
STA. 3504+79 WETLAND AWB-ME-39 EXIT
STA. 3504+80 STREAM TRIB TO THE INLET AS-ME-39A EXIT
STA. 3504+94 STREAM TRIB TO THE INLET AS-ME-39A ENTER
STA. 3505+08 WETLAND AWB-ME-39 ENTER
STA. 3505+22 WETLAND AWB-ME-39 EXIT
STA. 3505+39 WETLAND AWB-ME-39 ENTER
STA. 3505+54 STREAM TRIB TO THE INLET AS-ME-39A EXIT
STA. 3506+15 WETLAND AWB-ME-39 EXIT
STA. 3518+56 WETLAND AWB-ME-40 ENTER
STA. 3519+07 STREAM TRIB TO THE INLET AS-ME-40 ENTER
STA. 3519+16 WETLAND AWB-ME-40 EXIT
STA. 3519+20 WETLAND AWB-ME-40 ENTER
STA. 3519+27 STREAM TRIB TO THE INLET AS-ME-40 EXIT
STA. 3519+82 WETLAND AWB-ME-40 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

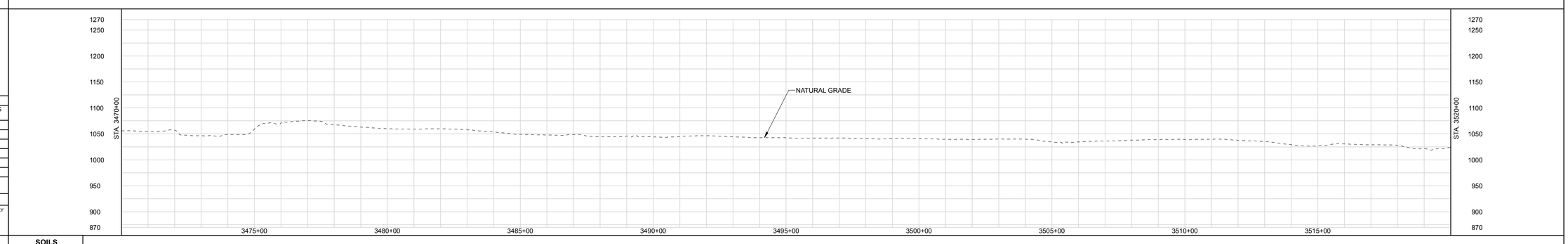
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 65.72 to M.P. 66.67
STA. 3470+00 to STA. 3520+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1072	REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

3520+00 | OH-ME-250.0000-SC 1446 FT. 87.6 RODS | 3534+46 | OH-ME-252.0000-SC 174 FT. 10.5 RODS | 3538+20 | OH-ME-254.0000-SC 2067 FT. 125.3 RODS | 3556+87 | OH-ME-257.0000-SC 1313 FT. 79.6 RODS | 3570+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3527+72 PI – 49°08'06" LT
STA. 3534+06 CREEK DEPTH 1.0 FT. CENTERLINE
STA. 3535+22 PI – 27°03'50" RT
STA. 3540+61 DRIVEWAY
STA. 3540+69 DRIVEWAY CENTERLINE
STA. 3540+78 DRIVEWAY
STA. 3557+01 PI – 27°23'11" LT
STA. 3563+95 PI – 14°37'32" RT

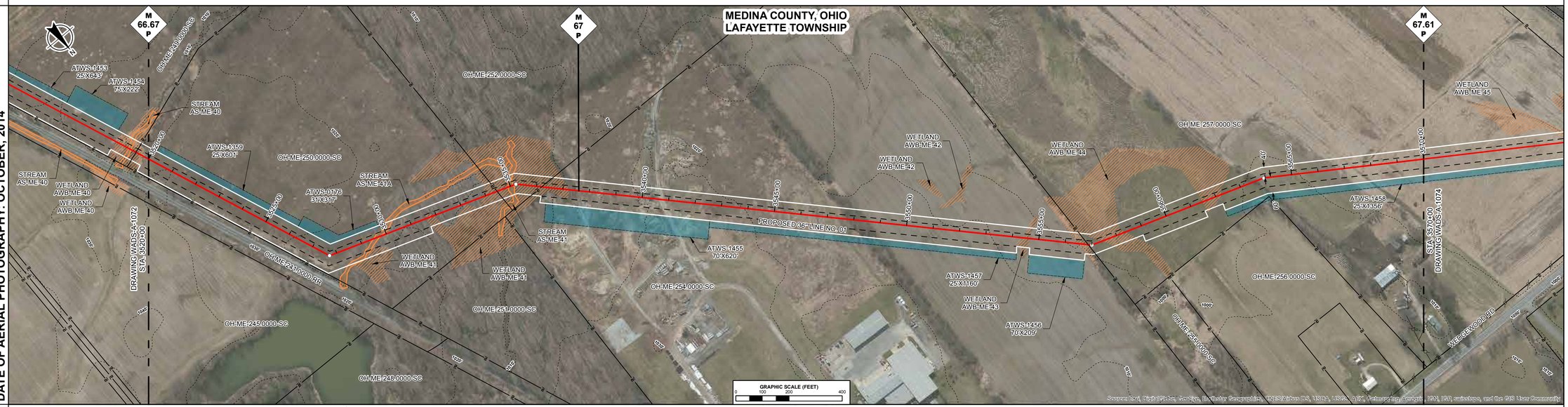
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD PAR-0.0
TEMPORARY ACCESS ROAD TAR-0.0
PARCEL TRACT NO OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE FIRE HYDRANT
WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3528+20 STREAM TRIB TO THE INLET AS-ME-41A ENTER
STA. 3528+87 WETLAND AWB-ME-41 ENTER
STA. 3529+93 WETLAND AWB-ME-41 EXIT
STA. 3530+41 STREAM TRIB TO THE INLET AS-ME-41A EXIT
STA. 3531+61 WETLAND AWB-ME-41 ENTER
STA. 3532+09 WETLAND AWB-ME-41 EXIT
STA. 3532+76 WETLAND AWB-ME-41 ENTER
STA. 3534+88 STREAM TRIB TO THE INLET AS-ME-41 ENTER
STA. 3535+04 WETLAND AWB-ME-41 ENTER
STA. 3535+10 WETLAND AWB-ME-41 EXIT
STA. 3535+22 STREAM TRIB TO THE INLET AS-ME-41 EXIT
STA. 3537+24 WETLAND AWB-ME-41 EXIT
STA. 3554+16 WETLAND AWB-ME-43 ENTER
STA. 3554+75 WETLAND AWB-ME-43 EXIT
STA. 3556+09 WETLAND AWB-ME-44 ENTER
STA. 3558+67 WETLAND AWB-ME-44 EXIT
STA. 3561+41 WETLAND AWB-ME-44 ENTER
STA. 3562+52 WETLAND AWB-ME-44 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

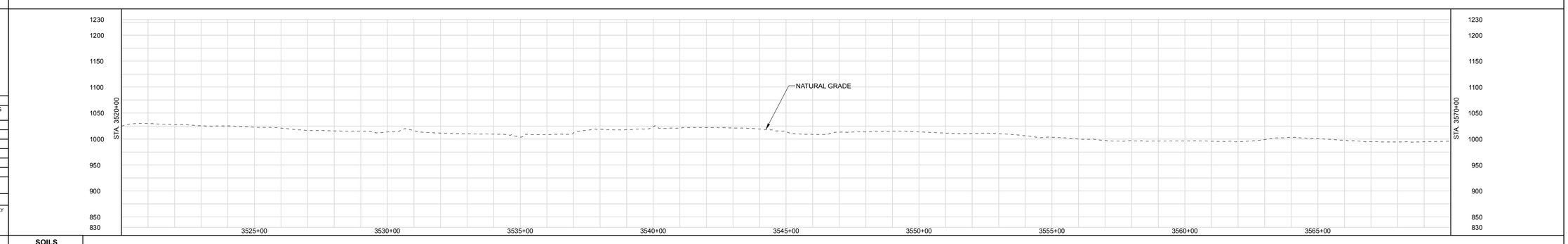
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 66.67 to M.P. 67.61
STA. 3520+00 to STA. 3570+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1073 | REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

3570+00	OH-ME-257.0000-SC 857 FT. 51.9 RODS	3578+57	OH-ME-258.0000-SC 147 FT. 8.9 RODS	3580+04	OH-ME-261.0000-SC 320 FT. 19.4 RODS	3583+24	OH-ME-259.0000-RD 107 FT. 6.5 RODS	3584+32	OH-ME-262.0000-SC 1166 FT. 70.7 RODS	3595+98	OH-ME-263.0000-SC 706 FT. 42.8 RODS	3603+04	OH-ME-265.0000-SC 582 FT. 35.3 RODS	3608+86	OH-ME-264.0000-SC 272 FT. 16.5 RODS	3611+58	OH-ME-267.0000-SC 842 FT. 51.0 RODS	3620+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3578+42 PI – 30°44'13" LT
STA. 3579+58 UNKNOWN (LIDAR) EDGE
STA. 3579+78 UNKNOWN (LIDAR) EDGE
STA. 3580+39 TRAIL (LIDAR) EDGE
STA. 3580+51 TRAIL (LIDAR) EDGE
STA. 3581+56 PI – 61°01'19" RT
STA. 3583+51 ROAD EDGE
STA. 3583+54 PAVED WEDGEWOOD RD CENTERLINE
STA. 3583+80 ROAD EDGE

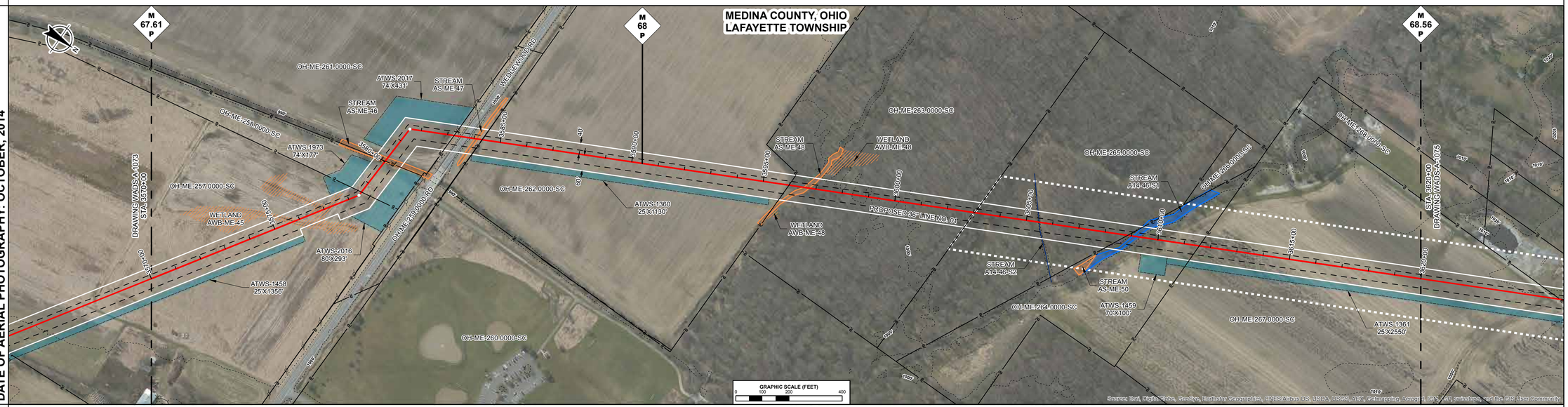
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3575+02 WETLAND AWB-ME-45 ENTER
STA. 3577+97 WETLAND AWB-ME-45 EXIT
STA. 3579+88 WETLAND AS-ME-46 ENTER
STA. 3580+43 STREAM THE INLET AS-ME-46 EXIT
STA. 3583+73 STREAM TRIB TO THE INLET AS-ME-47 ENTER
STA. 3584+36 STREAM TRIB TO THE INLET AS-ME-47 EXIT
STA. 3595+77 STREAM TRIB TO THE INLET AS-ME-48 ENTER
STA. 3597+08 STREAM TRIB TO THE INLET AS-ME-48 EXIT
STA. 3605+48 CENTERLINE OF STREAM A14-46-S2 TRIB TO THE INLET
STA. 3608+41 STREAM TRIB TO THE INLET A14-46-S1 ENTER
STA. 3609+67 STREAM TRIB TO THE INLET A14-46-S1 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

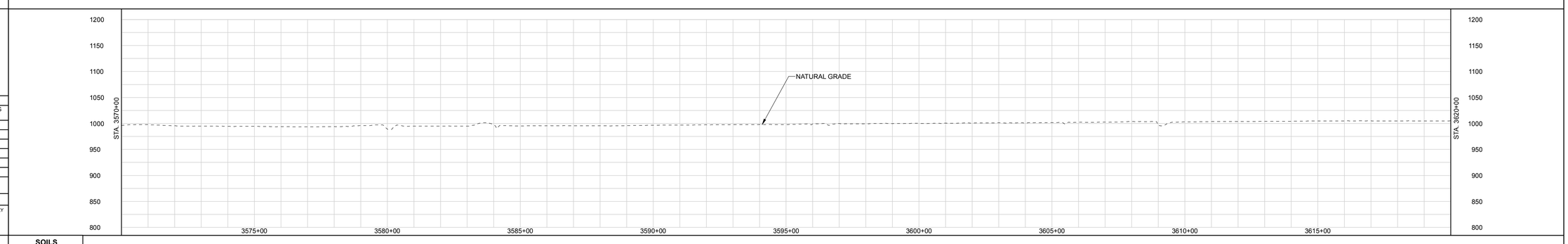
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 67.61 to M.P. 68.56
STA. 3570+00 to STA. 3620+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1074	REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

3620+00 | OH-ME-267.0000-SC | 530 FT. | 32.1 RODS | 3625+30

3625+30 | OH-ME-269.0000-SC | 1059 FT. | 64.2 RODS | 3635+89

3635+89 | OH-ME-274.0000-RD | 59 FT. | 3.6 RODS | 3636+48

3636+48 | OH-ME-276.0000-SC | 3352 FT. | 203.2 RODS | 3670+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

SURVEY DATA

STA. 3626+74 PI – 26°44'30" RT

STA. 3635+34 PI – 24°37'27" LT
STA. 3635+69 POWERLINE, CLEARANCE 81 FT.
STA. 3635+99 ROAD EDGE
STA. 3636+13 PAVED, LAFAYETTE RD CENTERLINE
STA. 3636+27 ROAD EDGE
STA. 3636+41 POWERLINE, CLEARANCE 14 FT.

STA. 3642+61 PI – 24°48'42" RT

STA. 3668+22 PI – 69°41'46" LT

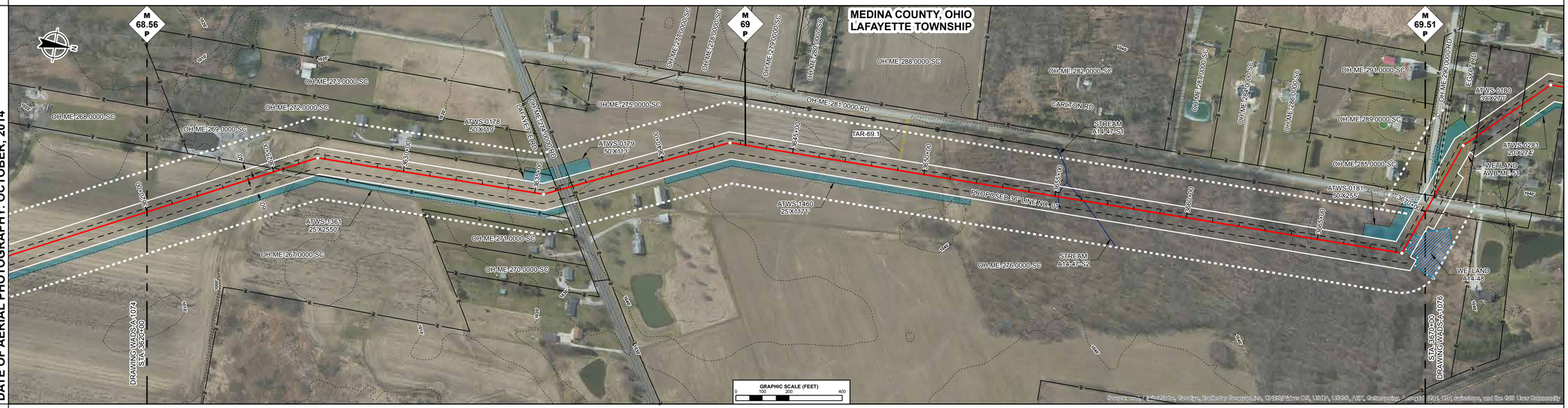
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

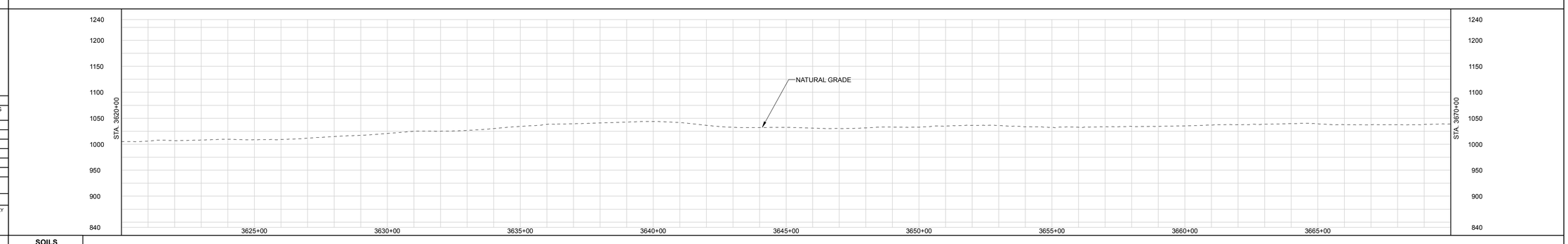
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS

LAND USE

% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 68.56 to M.P. 69.51
STA. 3620+00 to STA. 3670+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1075	REV. A

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 075-of 295.pdf - PLOT TIME: 2015-04-22 09:43:13

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

OH-ME-276.0000-SC	OH-ME-281.0000-RD	OH-ME-292.0000-SC	OH-ME-293.0000-SC	OH-ME-294.0000-SC	OH-ME-295.0000-SC	OH-ME-296.0000-SC	OH-ME-299.0000-RR	OH-ME-307.0000-SC	OH-ME-301.0000-SC	OH-ME-303.0000-SC	OH-ME-305.0000-SC	OH-ME-309.0000-SC	OH-ME-312.0000-SC	OH-ME-316.0000-SC
5 FT.	64 FT.	281 FT.	210 FT.	186 FT.	150 FT.	335 FT.	102 FT.	350 FT.	199 FT.	207 FT.	145 FT.	758 FT.	1067 FT.	941 FT.
0.3 RODS	3.9 RODS	17.0 RODS	12.7 RODS	11.3 RODS	9.1 RODS	20.3 RODS	6.2 RODS	21.2 RODS	12.1 RODS	12.5 RODS	8.8 RODS	45.9 RODS	64.7 RODS	57.0 RODS

3670+00 3670+05 3670+69 3673+50 3675+60 3677+46 3678+96 3682+31 3683+33 3688+83 3688+83 3690+89 3692+34 3699+92 3710+59 3720+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3670+30 ROAD EDGE
STA. 3670+41 PAVED, CARLTON RD CENTERLINE
STA. 3670+61 ROAD EDGE
STA. 3672+88 PI – 20°03'47" RT
STA. 3672+88 PI – 06°34'17" RT
STA. 3673+13 BUILDING, 35 FT. RIGHT
STA. 3676+89 PI – 43°58'45" RT
STA. 3678+95 PI – 02°51'51" LT
STA. 3684+36 PI – 03°47'38" RT
STA. 3690+81 PI – 21°09'47" RT
STA. 3695+25 PI – 39°38'54" LT
STA. 3710+78 FENCE
STA. 3710+78 PI – 22°17'14" RT
STA. 3713+95 CREEK, DEPTH 1.5 FT. CENTERLINE
STA. 3714+59 PI – 20°48'12" LT
STA. 3717+39 GAS PL
STA. 3718+54 PI – 02°20'16" LT

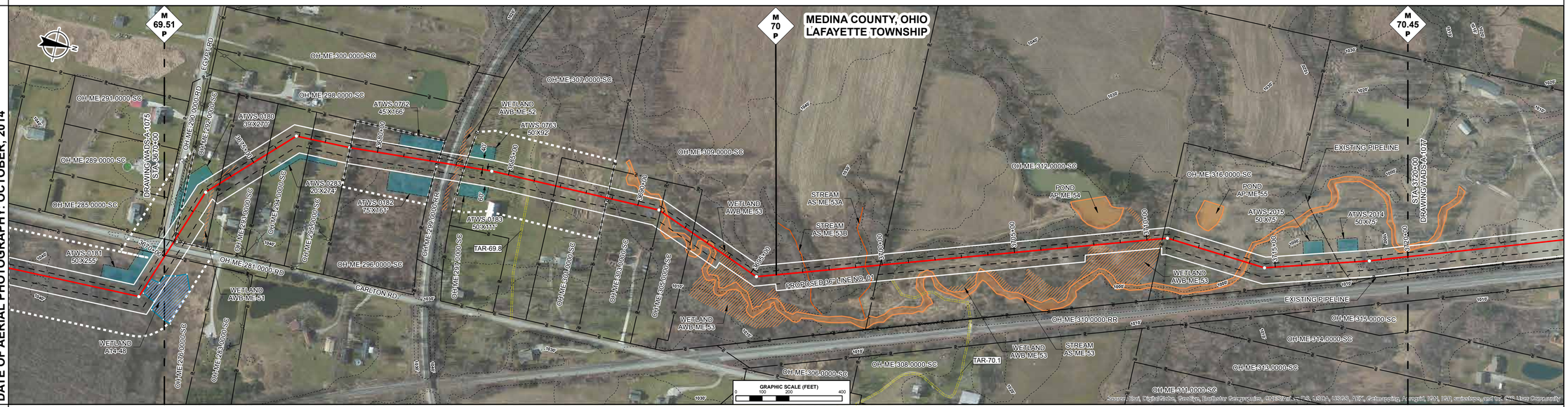
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

ENVIRONMENTAL DATA

STA. 3672+53 WETLAND AWB-ME-51 ENTER
STA. 3674+45 WETLAND AWB-ME-51 EXIT
STA. 3682+88 WETLAND AWB-ME-52 ENTER
STA. 3683+20 WETLAND AWB-ME-52 EXIT
STA. 3690+20 WETLAND AS-ME-53 ENTER
STA. 3690+26 STREAM MALLET CREEK AS-ME-53 ENTER
STA. 3693+45 WETLAND AWB-ME-53 ENTER
STA. 3693+57 WETLAND AS-ME-53 EXIT
STA. 3695+01 STREAM MALLET CREEK AS-ME-53 EXIT
STA. 3695+25 WETLAND AWB-ME-53 EXIT
STA. 3697+17 CENTERLINE OF STREAM AS-ME-53B TRIB TO MALLET CREEK
STA. 3699+35 CENTERLINE OF STREAM AS-ME-53A TRIB TO MALLET CREEK
STA. 3701+28 STREAM MALLET CREEK AS-ME-53 ENTER
STA. 3701+28 WETLAND AS-ME-53 ENTER
STA. 3701+93 WETLAND AS-ME-53 EXIT
STA. 3701+93 STREAM MALLET CREEK AS-ME-53 EXIT
STA. 3703+57 WETLAND AS-ME-53 ENTER
STA. 3703+57 STREAM MALLET CREEK AS-ME-53 ENTER
STA. 3703+85 WETLAND AS-ME-53 EXIT
STA. 3703+85 STREAM MALLET CREEK AS-ME-53 EXIT
STA. 3703+95 WETLAND AWB-ME-53 ENTER
STA. 3703+95 WETLAND AWB-ME-53 EXIT
STA. 3707+73 WETLAND AWB-ME-53 ENTER
STA. 3710+57 WETLAND AWB-ME-53 EXIT
STA. 3713+61 STREAM MALLET CREEK AS-ME-53 ENTER
STA. 3713+61 WETLAND AS-ME-53 ENTER
STA. 3713+94 WETLAND AS-ME-53 EXIT
STA. 3713+94 STREAM MALLET CREEK AS-ME-53 EXIT
STA. 3719+54 WETLAND AS-ME-53 ENTER
STA. 3719+54 STREAM MALLET CREEK AS-ME-53 ENTER
STA. 3720+00 WETLAND AS-ME-53 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

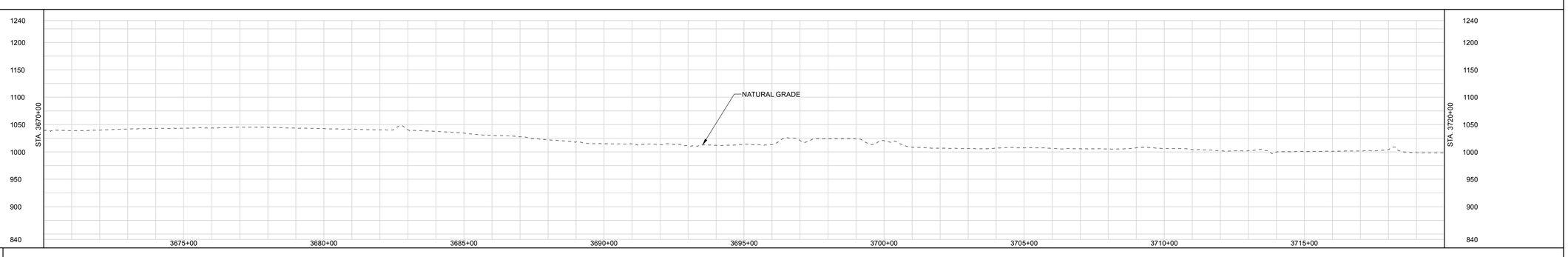
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 69.51 to M.P. 70.45
STA. 3670+00 to STA. 3720+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1076	REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 076 of 266.pdf PLOT TIME: 2015-04-22 09:39:58

RIGHT-OF-WAY

TRACT NUMBERS

3720+00 | OH-ME-316.0000-SC 789 FT. 47.8 RODS | 3727+89 | OH-ME-310.0000-RR 103 FT. 6.2 RODS | 3728+92 | OH-ME-315.0000-SC 60 FT. 3.6 RODS | 3729+52 | OH-ME-318.0000-RD 94 FT. 5.7 RODS | 3730+46 | OH-ME-319.0000-SC 1145 FT. 69.4 RODS | 3741+91 | OH-ME-321.0000-SC 283 FT. 17.2 RODS | 3744+74 | OH-ME-322.0000-SC 150 FT. 9.1 RODS | 3745+24 | OH-ME-326.0000-SC 748 FT. 45.3 RODS | 3753+72 | OH-ME-328.0000-RD 62 FT. 3.8 RODS | 3754+34 | OH-ME-332.0000-SC 1566 FT. 94.9 RODS | 3770+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3727+19 PI - 84°53'51" RT
STA. 3727+84 GAS PL
STA. 3728+00 FENCE
STA. 3728+35 PAVED ROAD (LIDAR) CENTERLINE
STA. 3728+50 RAILROAD (LIDAR) CENTERLINE
STA. 3728+60 POWERLINE (LIDAR)
STA. 3729+13 PI - 78°21'45" LT
STA. 3729+17 POWERLINE (LIDAR)
STA. 3729+62 POWERLINE (LIDAR)
STA. 3729+83 ROAD EDGE
STA. 3729+94 PAVED W. SMITH RD CENTERLINE
STA. 3729+94 MUNICIPALITY LINE
STA. 3730+05 ROAD EDGE
STA. 3730+48 POWERLINE (LIDAR)
STA. 3735+37 PI - 06°00'57" LT
STA. 3753+69 POWERLINE, CLEARANCE 25 FT
STA. 3753+70 DITCH, DEPTH 0 FT, CENTERLINE
STA. 3753+90 ROAD EDGE
STA. 3754+00 PAVED, BRANCH RD CENTERLINE
STA. 3754+11 ROAD EDGE
STA. 3754+16 DITCH, DEPTH 0 FT, CENTERLINE
STA. 3756+56 PI - 20°11'31" RT

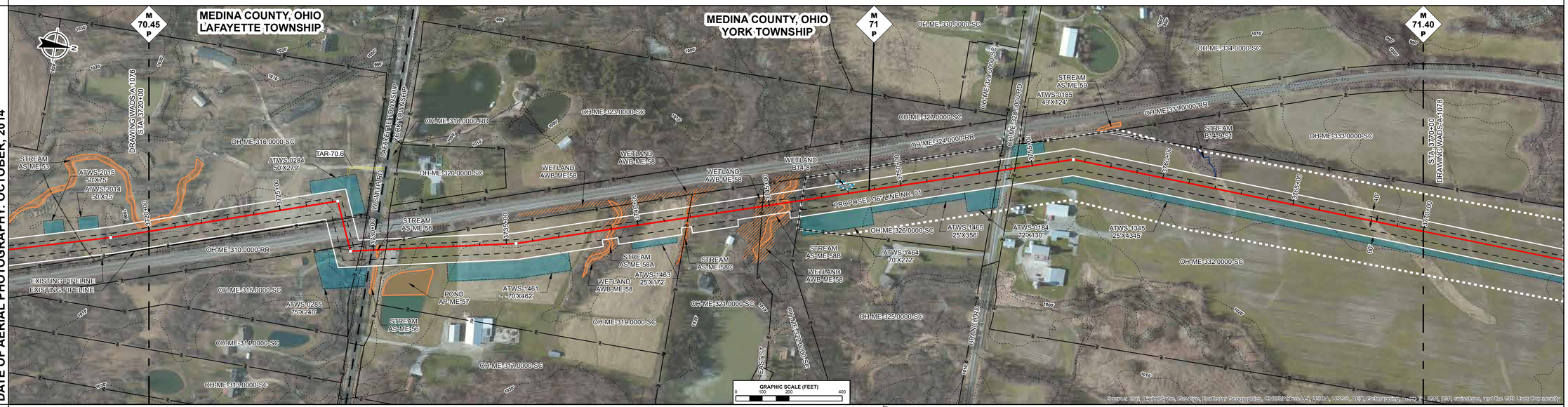
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3720+97 STREAM MALLET CREEK AS-ME-53 EXIT
STA. 3730+01 STREAM TRIB TO MALLET CREEK AS-ME-56 ENTER
STA. 3730+29 STREAM TRIB TO MALLET CREEK AS-ME-56 EXIT
STA. 3730+49 STREAM TRIB TO MALLET CREEK AS-ME-56 ENTER
STA. 3730+23 STREAM TRIB TO MALLET CREEK AS-ME-56 EXIT
STA. 3738+69 WETLAND AWB-ME-58 ENTER
STA. 3738+77 STREAM TRIB TO MALLET CREEK AS-ME-58A ENTER
STA. 3738+93 WETLAND AWB-ME-58 ENTER
STA. 3739+05 STREAM TRIB TO MALLET CREEK AS-ME-58A EXIT
STA. 3739+44 WETLAND AWB-ME-58 EXIT
STA. 3739+44 STREAM TRIB TO MALLET CREEK AS-ME-58A EXIT
STA. 3739+70 WETLAND AWB-ME-58 EXIT
STA. 3741+91 CENTERLINE OF STREAM MALLET CREEK TRIB TO MALLET CREEK
STA. 3742+19 WETLAND AWB-ME-58 EXIT
STA. 3744+33 WETLAND AWB-ME-58 ENTER
STA. 3744+72 STREAM TRIB TO MALLET CREEK AS-ME-58B ENTER
STA. 3745+56 WETLAND AWB-ME-58 ENTER
STA. 3745+56 STREAM TRIB TO MALLET CREEK AS-ME-58B EXIT
STA. 3745+69 WETLAND AWB-ME-58 EXIT
STA. 3745+77 STREAM TRIB TO MALLET CREEK AS-ME-58B EXIT
STA. 3749+16 WETLAND AWB-ME-58 EXIT
STA. 3747+61 WETLAND B14-8 ENTER
STA. 3749+27 WETLAND B14-8 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

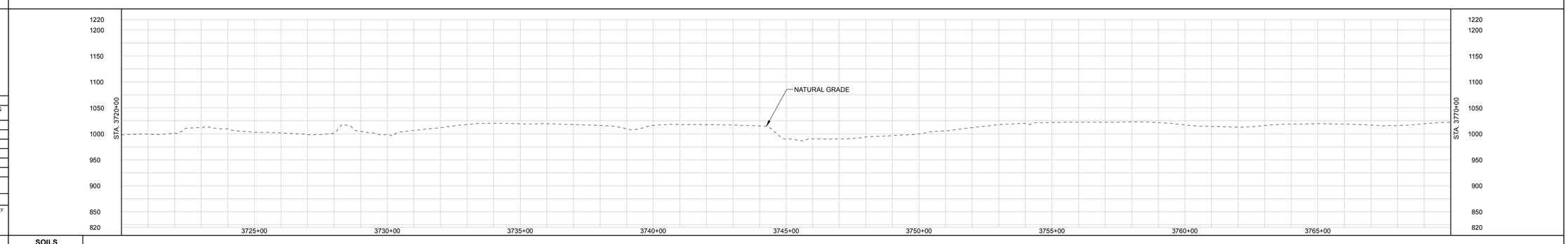
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

REV	DSN	CK	DESCRIPTION
A			ISSUED FOR FERC

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 70.45 to M.P. 71.40
STA. 3720+00 to STA. 3770+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1077 | REV. A

P:\205_UPSTREAM_PIPELINE\205K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 017 of 266.pdf - PLOT TIME: 2015-04-22 09:38:34

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

3770+00 | OH-ME-332.0000-SC | 743 FT. | 45.0 RODS | 3777+43

OH-ME-335.0000-SC | 2210 FT. | 133.9 RODS

3799+53 | OH-ME-337.0000-RD | 62 FT. | 3.8 RODS | 3800+15

OH-ME-339.0000-SC | 1985 FT. | 120.3 RODS | 3820+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3777+39 PI – 04°10'17" LT

STA. 3784+04 PI – 15°30'14" LT

STA. 3798+83 PI – 30°17'49" RT

STA. 3799+70 ROAD EDGE
STA. 3799+80 PAVED STONE RD CENTERLINE
STA. 3799+90 ROAD EDGE

STA. 3802+21 GAS PL

STA. 3804+19 TOP BANK
STA. 3804+46 DRAIN, DEPTH 0 FT. CENTERLINE
STA. 3804+90 TOP BANK

STA. 3805+81 PI – 12°03'46" LT

STA. 3815+21 GAS PL

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
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- TELEPHONE
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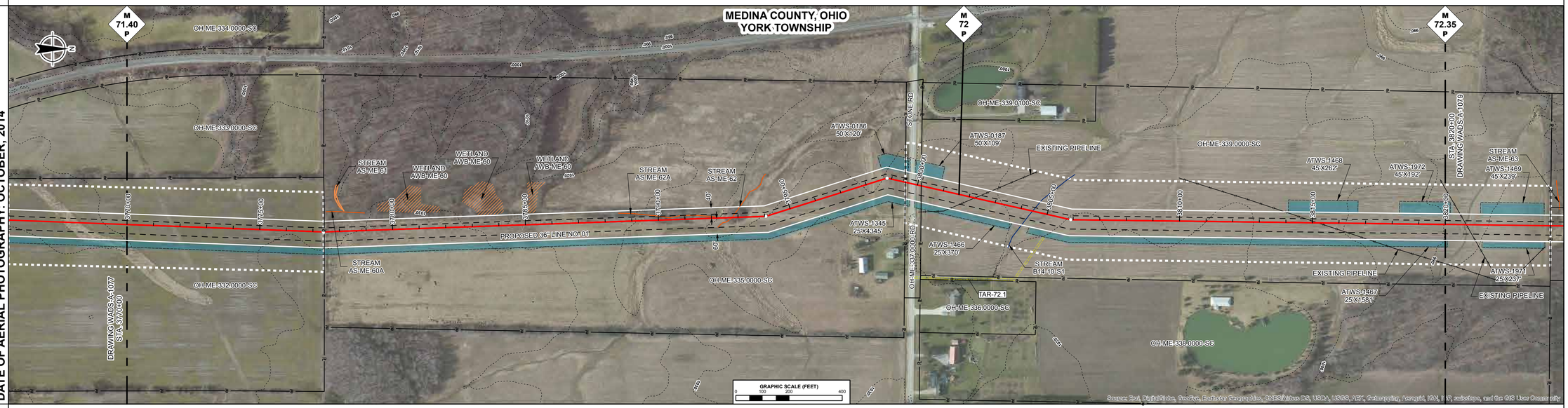
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3792+77 CENTERLINE OF STREAM AS-ME-62 TRIB TO MALLET CREEK

STA. 3804+44 CENTERLINE OF STREAM B14-10-S1 TRIB TO MALLET CREEK

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
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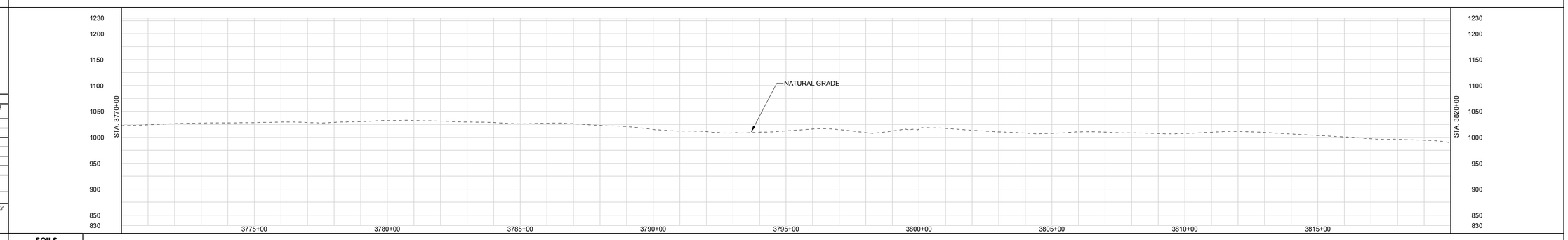
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS

LAND USE

% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 71.40 to M.P. 72.35
STA. 3770+00 to STA. 3820+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1078	REV. A

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 078 of 295.pdf - PLOT TIME: 2015-04-22 12:04:18

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

Tract	Length	Rods	From	To
OH-ME-358.0000-SC	119 FT.	7.2 RODS	3870+00	3871+19
OH-ME-360.0000-SC	974 FT.	59.0 RODS	3871+19	3880+93
OH-ME-362.0000-RR	76 FT.	4.6 RODS	3880+93	3881+69
OH-ME-361.0000-SC	741 FT.	44.9 RODS	3881+69	3889+10
OH-ME-364.0000-SC	648 FT.	39.3 RODS	3889+10	3895+58
OH-ME-366.0000-SC	399 FT.	24.2 RODS	3895+58	3899+57
OH-ME-367.0000-SC	230 FT.	13.9 RODS	3899+57	3901+87
OH-ME-368.0000-SC	477 FT.	28.9 RODS	3901+87	3906+64
OH-ME-371.0000-SC	161 FT.	9.8 RODS	3906+64	3908+25
OH-ME-372.0000-SC	1121 FT.	67.9 RODS	3908+25	3919+46
OH-ME-373.0000-SC	54 FT.	3.3 RODS	3919+46	3920+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3874+78 VALVE FENCE
STA. 3875+03 MLV-7
STA. 3875+28 VALVE FENCE
STA. 3876+00 POWERLINE (LIDAR)
STA. 3877+10 TRAIL (LIDAR) EDGE
STA. 3877+14 TRAIL (LIDAR) EDGE
STA. 3877+41 PI = 90°17'40" LT
STA. 3877+71 TRAIL (LIDAR) EDGE
STA. 3877+76 TRAIL (LIDAR) EDGE
STA. 3879+92 TRAIL (LIDAR) EDGE
STA. 3880+00 TRAIL (LIDAR) EDGE
STA. 3880+37 TRAIL (LIDAR) EDGE
STA. 3880+46 TRAIL (LIDAR) EDGE
STA. 3881+41 RAILROAD (LIDAR) CENTERLINE
STA. 3881+42 RAILROAD CENTERLINE

STA. 3904+85 PI = 29°36'49" RT

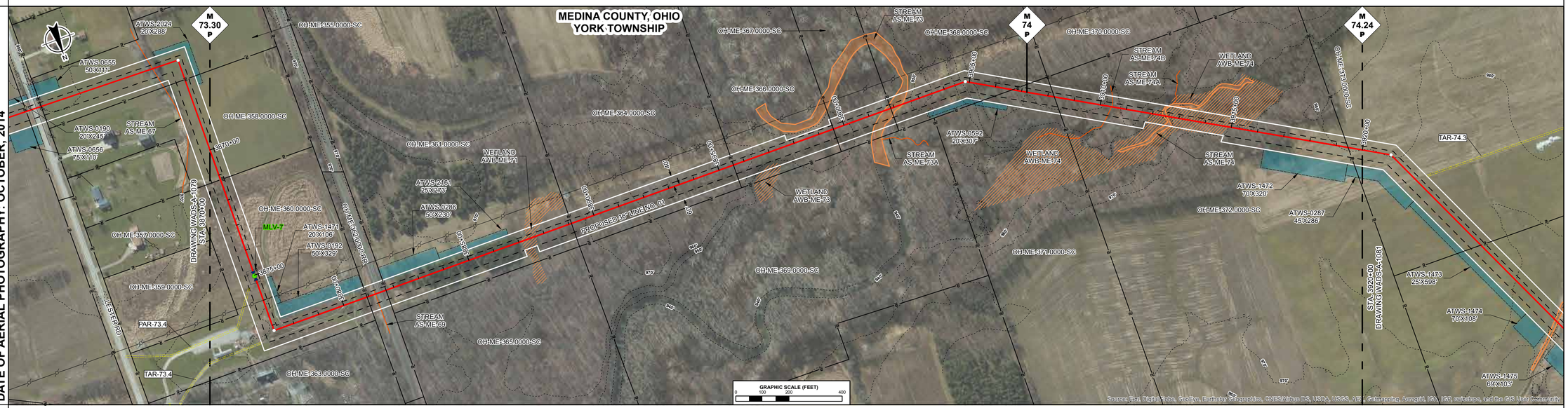
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD — PAR-0.0
TEMPORARY ACCESS ROAD — TAR-0.0
PARCEL TRACT NO — OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE — FIRE HYDRANT
WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3881+26 CENTERLINE OF STREAM AS-ME-69 TRIB TO MALLET CREEK
STA. 3887+09 WETLAND AWB-ME-71 ENTER
STA. 3888+03 WETLAND AWB-ME-71 EXIT
STA. 3896+46 WETLAND AWB-ME-73 ENTER
STA. 3897+24 WETLAND AWB-ME-73 EXIT
STA. 3900+93 STREAM MALLET CREEK AS-ME-73 ENTER
STA. 3902+68 STREAM MALLET CREEK AS-ME-73 EXIT
STA. 3910+43 CENTERLINE OF STREAM AS-ME-74B TRIB TO MALLET CREEK
STA. 3911+82 WETLAND AWB-ME-74 ENTER
STA. 3912+25 STREAM TRIB TO MALLET CREEK AS-ME-74 ENTER
STA. 3912+43 WETLAND AWB-ME-74 ENTER
STA. 3912+48 WETLAND AWB-ME-74 EXIT
STA. 3912+61 WETLAND AWB-ME-74 ENTER
STA. 3912+76 WETLAND AWB-ME-74 EXIT
STA. 3913+25 STREAM TRIB TO MALLET CREEK AS-ME-74 EXIT
STA. 3915+82 WETLAND AWB-ME-74 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

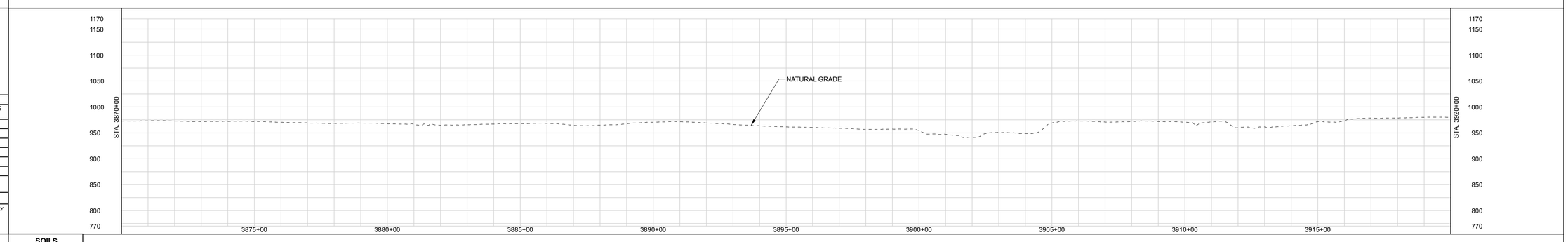
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 73.30 to M.P. 74.24
STA. 3870+00 to STA. 3920+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1080 | REV. A

P:\205_UPSTREAM_PPEL\NEO29K_CS6\TurboBoat\NEXUS PROPOSED MAINLINE PIPELINE 080 of 266.pdf - PLOT TIME: 2015-04-22 12:04:33

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

3920+00 | OH-ME-373.0000-SC 589 FT. 35.7 RODS | 3925+89 | OH-ME-374.0000-SC 1423 FT. 86.2 RODS | 3940+12 | OH-ME-386.0000-RD 60 FT. 3.6 RODS | 3940+72 | OH-ME-386.0100-SC 180 FT. 10.9 RODS | 3942+52 | OH-ME-375.0000-RD 61 FT. 3.7 RODS | 3943+13 | OH-ME-386.0200-SC 529 FT. 32.1 RODS | 3948+42 | OH-ME-386.0300-SC 231 FT. 14.0 RODS | 3950+73 | OH-ME-386.0400-SC 228 FT. 13.8 RODS | 3953+01 | OH-ME-386.0500-SC 230 FT. 13.9 RODS | 3955+31 | OH-ME-386.0700-SC 1469 FT. 89.0 RODS | 3970+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3921+10 PI – 35°22'18" RT

STA. 3939+57 PI – 26°10'43" RT
STA. 3940+15 POWERLINE EDGE
STA. 3940+31 ROAD (LIDAR) EDGE
STA. 3940+45 SPIETH RD (SCALED) CENTERLINE
STA. 3940+53 ROAD (LIDAR) EDGE
STA. 3940+55 POWERLINE (LIDAR)
STA. 3942+43 PI – 90°52'45" LT
STA. 3942+76 ROAD (LIDAR) EDGE
STA. 3943+99 STATION RD (SCALED) CENTERLINE
STA. 3942+95 ROAD (LIDAR) EDGE
STA. 3944+54 PI – 64°44'45" RT

STA. 3962+16 PI – 33°18'58" LT

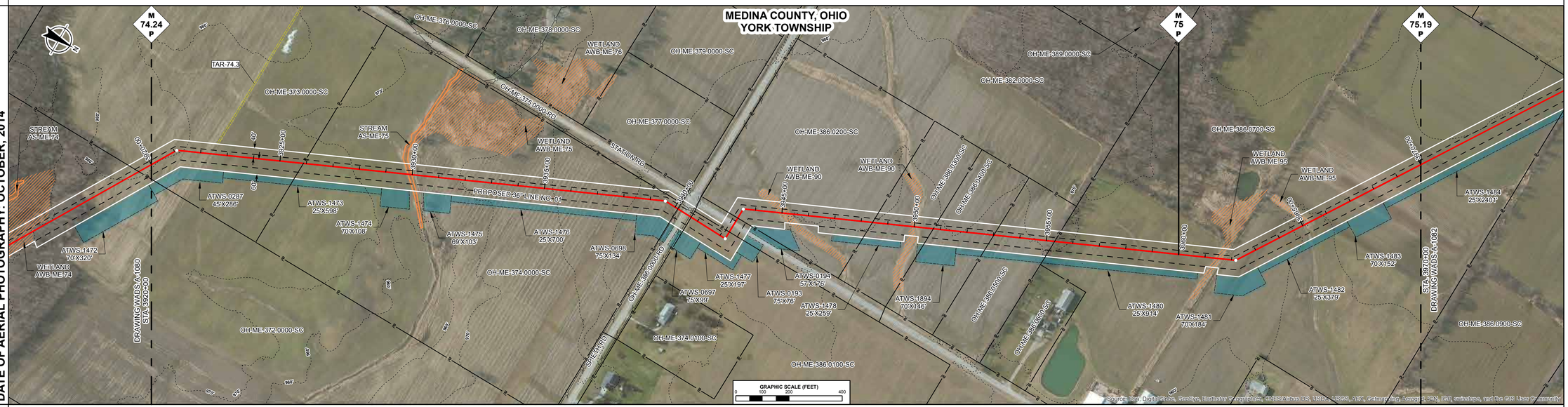
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

ENVIRONMENTAL DATA

STA. 3929+67 WETLAND AS-ME-75 ENTER
STA. 3929+67 STREAM TRIB TO MALLET CREEK AS-ME-75 ENTER
STA. 3930+20 WETLAND AS-ME-75 EXIT
STA. 3930+20 STREAM TRIB TO MALLET CREEK AS-ME-75 EXIT

STA. 3944+33 WETLAND AWB-ME-90 ENTER
STA. 3945+68 WETLAND AWB-ME-90 EXIT
STA. 3949+79 WETLAND AWB-ME-90 ENTER
STA. 3950+09 WETLAND AWB-ME-90 EXIT

STA. 3961+20 WETLAND AWB-ME-95 ENTER
STA. 3961+84 WETLAND AWB-ME-95 EXIT

STA. 3964+91 WETLAND AWB-ME-95 ENTER
STA. 3965+27 WETLAND AWB-ME-95 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

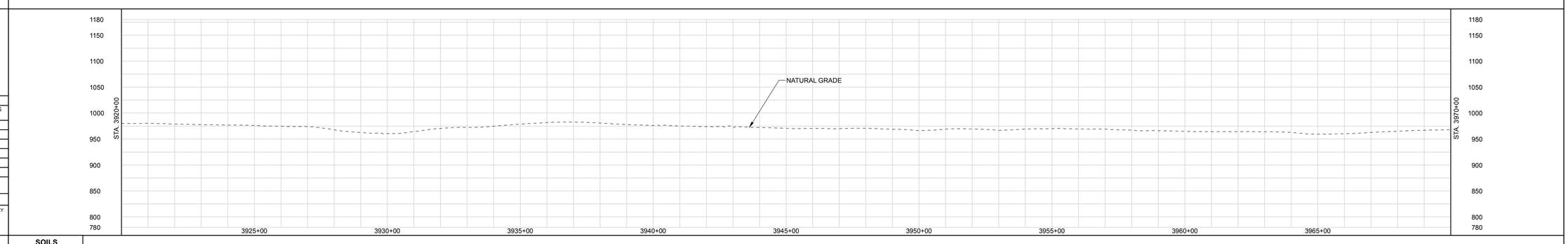
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 74.24 to M.P. 75.19
STA. 3920+00 to STA. 3970+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1081 | REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboBuild\ NEXUS PROPOSED MAINLINE PIPELINE 081 of 266.pdf PLOT TIME: 2015-04-22 12:25:03

RIGHT-OF-WAY

TRACT NUMBERS

3970+00	OH-ME-386.0700-SC 665 FT. 40.3 RODS	3976+65	OH-ME-386.1000-SC 601 FT. 36.4 RODS	3982+66	OH-ME-386.1200-SC 1757 FT. 106.5 RODS	4000+23	OH-ME-386.1400-RD 64 FT. 3.9 RODS	4000+86	OH-ME-386.1500-SC 788 FT. 47.8 RODS	4008+74	OH-ME-386.1700-SC 1126 FT. 68.2 RODS	4020+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 3992+80 PI – 14°26'08" LT

STA. 4000+55 MUNICIPALITY LINE
STA. 4000+62 ERHART RD (SCALED) CENTERLINE

STA. 4007+75 PI – 38°16'16" RT

STA. 4016+00 PI – 38°23'23" LT

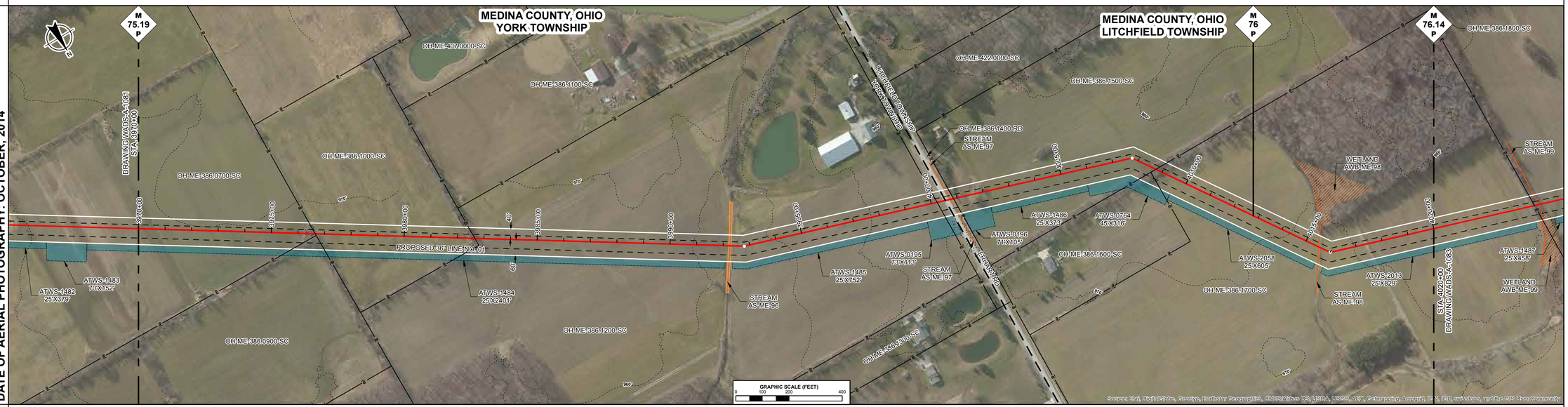
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 3992+20 STREAM TRIB TO WEST BRANCH ROCKY RIVER AS-ME-96 ENTER
STA. 3992+30 STREAM TRIB TO WEST BRANCH ROCKY RIVER AS-ME-96 EXIT

STA. 4000+75 CENTERLINE OF STREAM AS-ME-97 TRIB TO WEST BRANCH ROCKY RIVER

STA. 4015+53 CENTERLINE OF STREAM AS-ME-98 TRIB TO WEST BRANCH ROCKY RIVER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

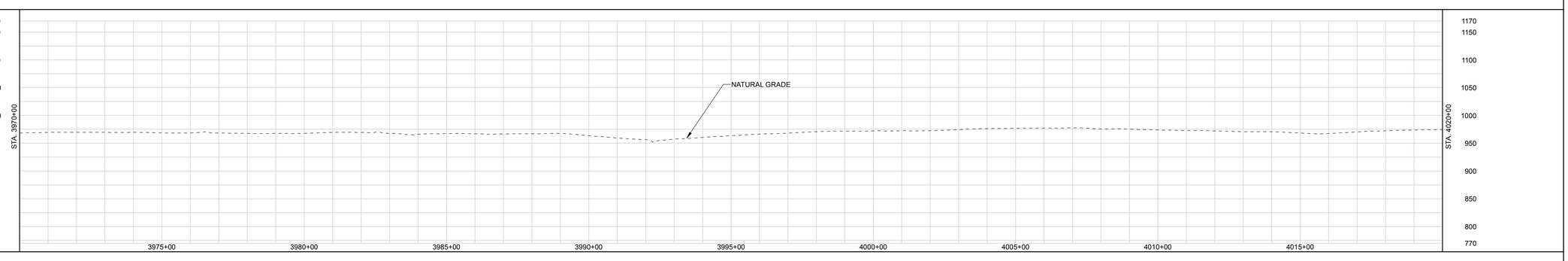
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 75.19 to M.P. 76.14
STA. 3970+00 to STA. 4020+00
ALIGNMENT SHEET

LOC. MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1082	REV. A

FIG.#

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RIGHT-OF-WAY

TRACT NUMBERS

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

4070+00	OH-ME-431.0000-SC	4071+20	OH-ME-432.0000-SC	4076+56	OH-LO-002.0000-SC	4101+49	OH-LO-005.0000-SC	4114+13	OH-LO-007.0000-RD	4114+72	OH-LO-008.0000-SC	4119+71	OH-LO-009.0000-SC	4120+00
	120 FT.		534 FT.		2493 FT.		1264 FT.		59 FT.		499 FT.		29 FT.	
	7.3 RODS		32.4 RODS		151.1 RODS		76.6 RODS		3.6 RODS		30.2 RODS		1.8 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4077+00 MUNICIPALITY LINE

STA. 4081+45 PI = 01°42'00" LT

STA. 4101+51 POWERLINE (LIDAR)

STA. 4114+03 DITCH DEPTH 0 FT. CENTERLINE
STA. 4114+27 POND EDGE
STA. 4114+35 PAVED NEFF RD CENTERLINE
STA. 4114+43 POND EDGE
STA. 4114+48 DITCH DEPTH 0 FT. CENTERLINE
STA. 4114+72 POWERLINE. CLEARANCE 22.8 FT.
STA. 4116+32 PI = 00°06'30" LT

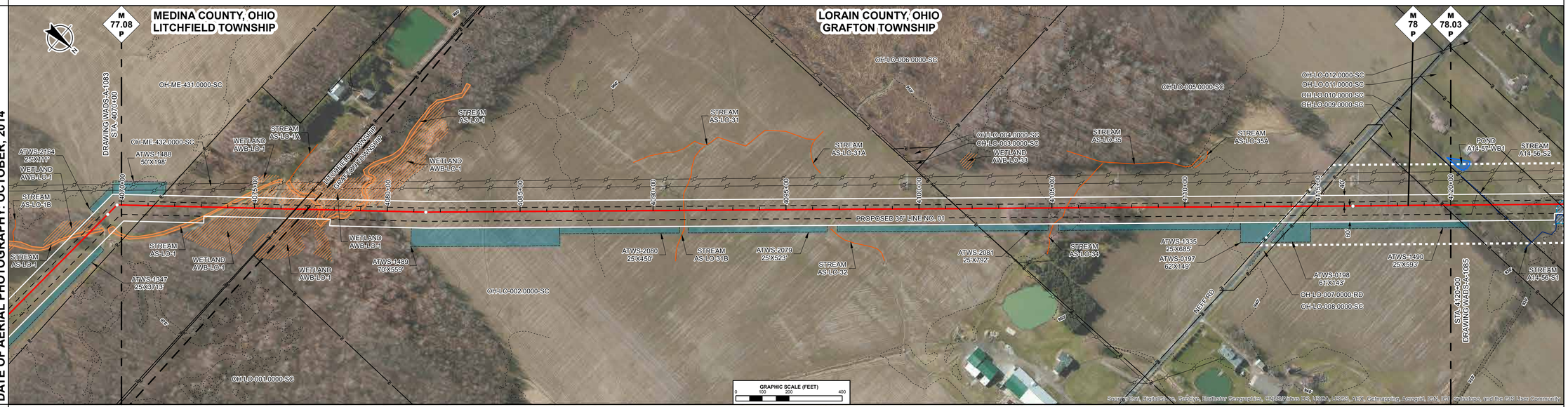
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4072+50 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-1 ENTER

STA. 4073+59 WETLAND AWB-LO-1 ENTER

STA. 4074+69 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-1 EXIT

STA. 4075+71 WETLAND AWB-LO-1 EXIT

STA. 4076+87 WETLAND AWB-LO-1 ENTER

STA. 4077+97 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-1 ENTER

STA. 4077+35 WETLAND AWB-LO-1 ENTER

STA. 4077+46 WETLAND AWB-LO-1 EXIT

STA. 4079+16 WETLAND AWB-LO-1 EXIT

STA. 4079+17 WETLAND AWB-LO-1 ENTER

STA. 4079+25 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-1 EXIT

STA. 4079+41 WETLAND AWB-LO-1 EXIT

STA. 4091+16 CENTERLINE OF STREAM AS-LO-1 TRIB TO EAST BRANCH BLACK RIVER

STA. 4106+53 CENTERLINE OF STREAM AS-LO-1 TRIB TO EAST BRANCH BLACK RIVER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

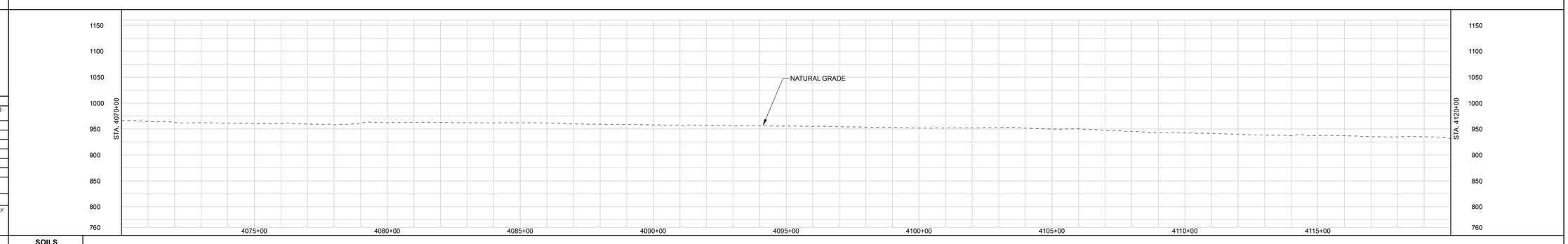
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 77.08 to M.P. 78.03
STA. 4070+00 to STA. 4120+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO AND MEDINA COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1084	REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

Tract	Length	Rods
OH-LO-009.0000-SC	153 FT.	9.3 RODS
OH-LO-010.0000-SC	256 FT.	15.5 RODS
OH-LO-011.0000-SC	226 FT.	13.7 RODS
OH-LO-012.0000-SC	256 FT.	15.5 RODS
OH-LO-013.0000-SC	248 FT.	15.0 RODS
OH-LO-017.0000-SC	706 FT.	42.8 RODS
OH-LO-018.0000-SC	287 FT.	17.4 RODS
OH-LO-019.0000-SC	1037 FT.	62.8 RODS
OH-LO-020.0000-SC	1114 FT.	67.5 RODS
OH-LO-021.0000-SC	717 FT.	43.5 RODS

4120+00 · 4121+53 · 4124+09 · 4126+35 · 4128+91 · 4131+39 · 4138+45 · 4141+32 · 4151+69 · 4162+83 · 4170+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4120+87 POWERLINE CLEARANCE 10 FT.

STA. 4156+55 PI – 01°05'30" LT

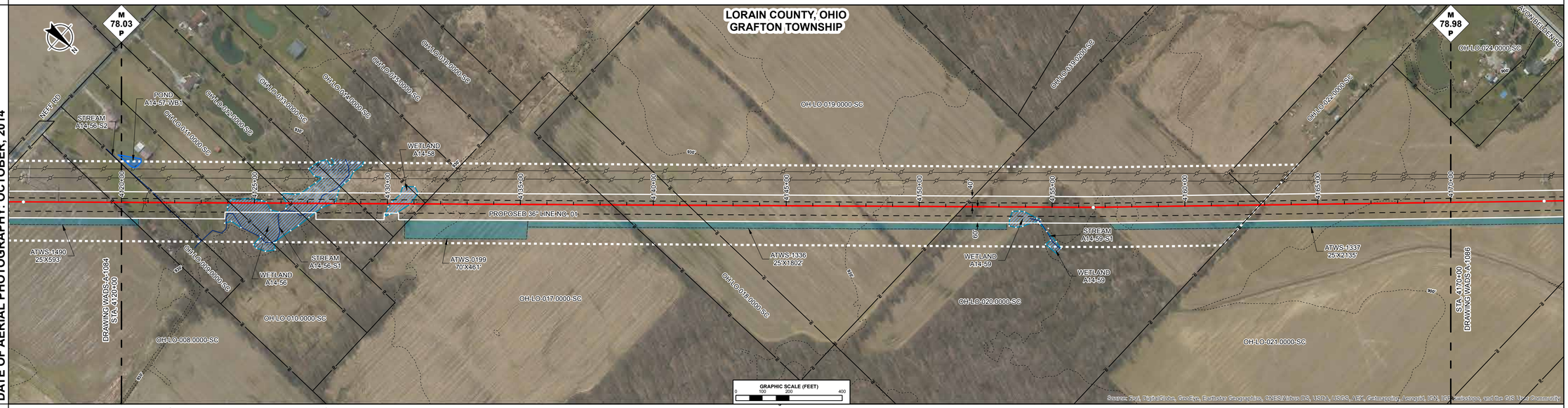
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS · WATER · OIL · OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4121+54 CENTERLINE OF STREAM A14-56-S2 TRIB TO EAST BRANCH BLACK RIVER

STA. 4125+98 WETLAND A14-56 ENTER

STA. 4127+40 CENTERLINE OF STREAM A14-56-S1 TRIB TO EAST BRANCH BLACK RIVER

STA. 4128+16 WETLAND A14-56 EXIT

STA. 4129+86 WETLAND A14-58 ENTER

STA. 4131+16 WETLAND A14-58 EXIT

STA. 4153+40 WETLAND A14-59 ENTER

STA. 4154+64 WETLAND A14-59 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

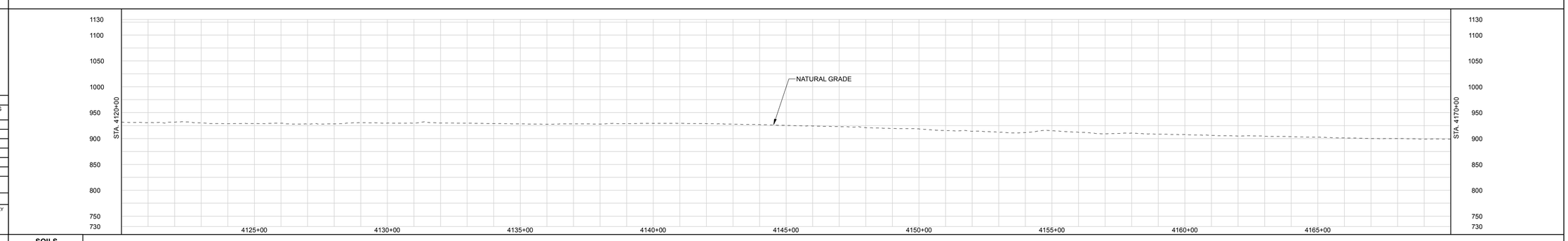
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 78.03 to M.P. 78.98
STA. 4120+00 to STA. 4170+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1085	REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

4170+00 — OH-LO-021.0000-SC: 715 FT. / 43.3 RODS
4177+15 — OH-LO-023.0000-SC: 297 FT. / 18.0 RODS
4180+12 — OH-LO-027.0000-RD: 80 FT. / 4.8 RODS
4180+92 — OH-LO-028.0000-SC: 79 FT. / 4.8 RODS
4181+71 — OH-LO-030.0000-SC: 567 FT. / 34.4 RODS
4187+38 — OH-LO-031.0000-SC: 280 FT. / 17.0 RODS
4190+18 — OH-LO-033.0000-RD: 59 FT. / 3.6 RODS
4190+77 — OH-LO-036.0000-SC: 2273 FT. / 137.8 RODS
4213+90 — OH-LO-038.0000-SC: 650 FT. / 39.4 RODS
4220+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

SURVEY DATA

STA. 4173+51 PI – 00°00'37" RT
STA. 4179+95 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4179+98 CULVERT
STA. 4180+28 ROAD EDGE
STA. 4180+47 PAVED, AVON BELDEN RD CENTERLINE
STA. 4180+48 CULVERT
STA. 4180+68 ROAD EDGE
STA. 4180+95 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4181+17 POWERLINE, CLEARANCE 15 FT.
STA. 4190+23 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4190+34 ROAD EDGE
STA. 4190+48 PAVED, LAW RD CENTERLINE
STA. 4190+62 ROAD EDGE
STA. 4190+75 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4190+83 POWERLINE, CLEARANCE 20 FT.
STA. 4199+01 PI – 00°01'36" RT
STA. 4214+38 PI – 27°50'13" RT
STA. 4219+93 PI – 26°19'48" LT
STA. 4219+99 HAYSTACKS LN (SCALED) CENTERLINE

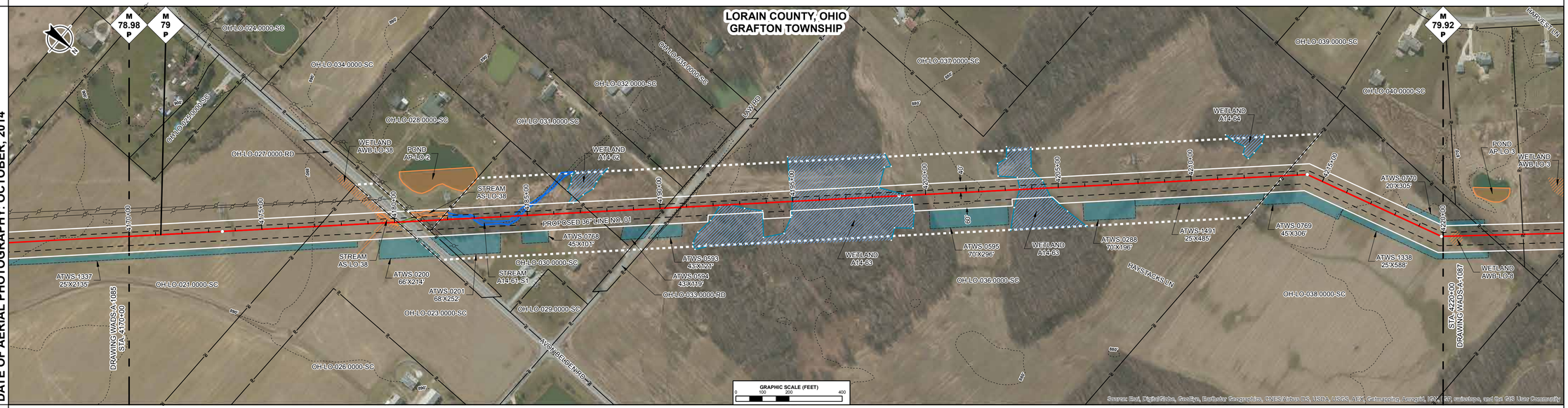
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4178+96 WETLAND AWB-LO-38 ENTER
STA. 4179+98 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-38 ENTER
STA. 4180+13 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-38 EXIT
STA. 4180+26 WETLAND AWB-LO-38 EXIT
STA. 4180+63 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-38 ENTER
STA. 4185+25 STREAM TRIB TO EAST BRANCH BLACK RIVER A14-61-S1 ENTER
STA. 4185+62 STREAM TRIB TO EAST BRANCH BLACK RIVER A14-61-S1 EXIT
STA. 4186+59 WETLAND A14-62 ENTER
STA. 4186+79 WETLAND A14-62 EXIT
STA. 4192+03 WETLAND A14-63 ENTER
STA. 4193+84 WETLAND A14-63 EXIT
STA. 4194+95 WETLAND A14-63 ENTER
STA. 4199+49 WETLAND A14-63 EXIT
STA. 4203+42 WETLAND A14-63 ENTER
STA. 4204+70 WETLAND A14-63 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

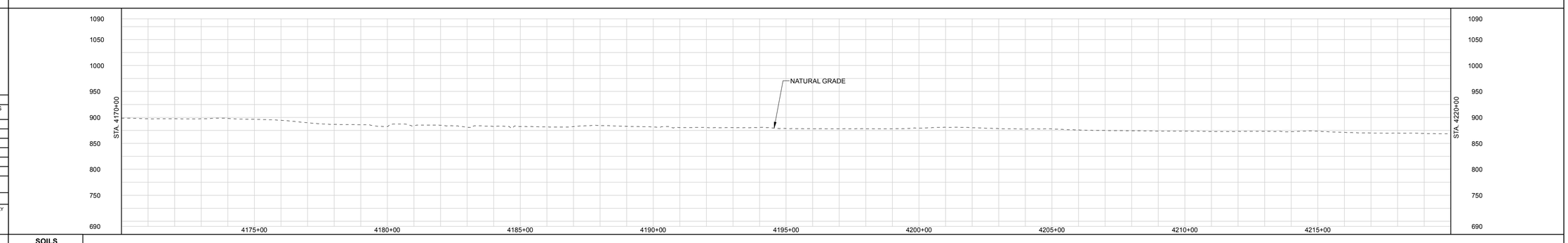
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:		ENGINEERING APPROVALS			
		BID		CONSTRUCTION	
TITLE		SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 78.98 to M.P. 79.92
STA. 4170+00 to STA. 4220+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1086	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

P:\205_UPSTREAM_PIPELINE\290K_CSIS\TurdoRoueh NEXUS PROPOSED MAINLINE PIPELINE 086 of 286.pdf PLOT TIME: 2015-04-22 09:50:04

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RIGHT-OF-WAY

TRACT NUMBERS

Tract	Station	Length	Rods
OH-LO-038.0000-SC	4220+00 – 4221+73	173 FT.	10.5 RODS
OH-LO-041.0000-SC	4221+73 – 4223+00	127 FT.	7.7 RODS
OH-LO-042.0000-SC	4223+00 – 4225+19	219 FT.	13.3 RODS
OH-LO-045.0000-SC	4225+19 – 4238+89	1370 FT.	83.0 RODS
OH-LO-046.0000-SC	4238+89 – 4244+89	600 FT.	36.4 RODS
OH-LO-048.0000-SC	4244+89 – 4251+71	682 FT.	41.3 RODS
OH-LO-051.0000-RD	4251+71 – 4251+99	28 FT.	1.7 RODS
OH-LO-052.0000-SC	4251+99 – 4270+00	1801 FT.	109.2 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4221+92 FENCE
STA. 4225+27 FENCE
STA. 4226+29 PI – 25°15'30" LT
STA. 4233+14 PI – 23°57'47" RT
STA. 4237+48 PI – 45°42'56" LT
STA. 4238+76 POWERLINE, CLEARANCE 50 FT.
STA. 4238+87 FENCE
STA. 4251+76 ROAD EDGE
STA. 4251+86 PAVED, 4251+99 LTD
CENTERLINE
STA. 4251+96 ROAD EDGE
STA. 4252+06 CENTERLINE
STA. 4252+16 POWERLINE, CLEARANCE 20 FT.
STA. 4253+02 PI – 22°52'23" RT
STA. 4265+98 PI – 03°28'00" RT

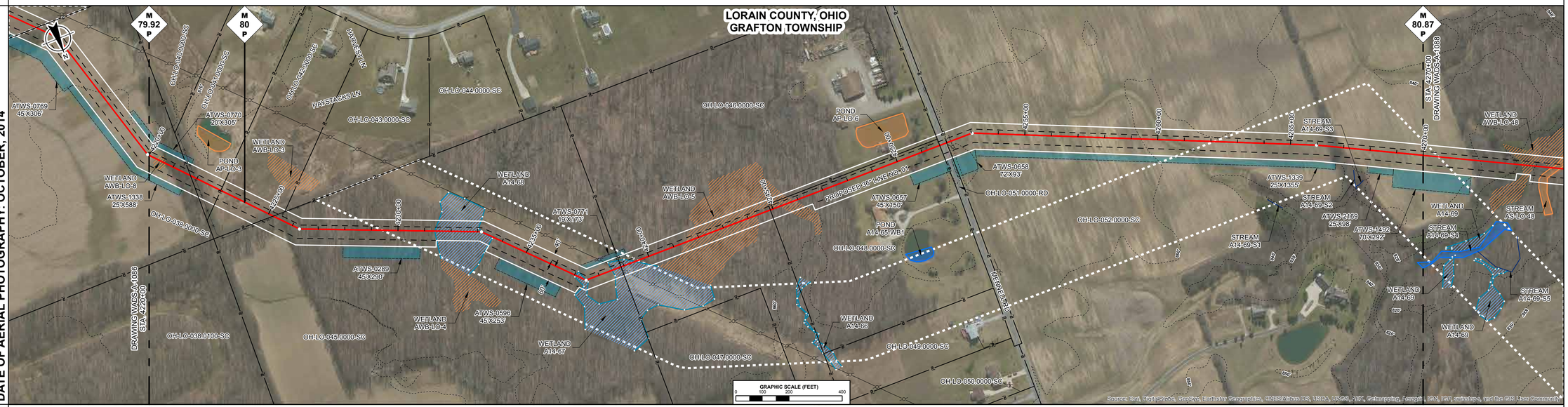
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD — PAR-0.0
TEMPORARY ACCESS ROAD — TAR-0.0
PARCEL TRACT NO — OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE — FIRE HYDRANT
WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4220+22 WETLAND AWB-LO-8 ENTER
STA. 4220+74 WETLAND AWB-LO-8 EXIT
STA. 4231+38 WETLAND A14-68 ENTER
STA. 4233+61 WETLAND A14-68 EXIT
STA. 4237+05 WETLAND A14-67 ENTER
STA. 4237+53 WETLAND A14-67 EXIT
STA. 4238+48 WETLAND A14-67 ENTER
STA. 4240+00 WETLAND A14-67 EXIT
STA. 4241+17 WETLAND AWB-LO-5 ENTER
STA. 4246+19 WETLAND AWB-LO-5 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

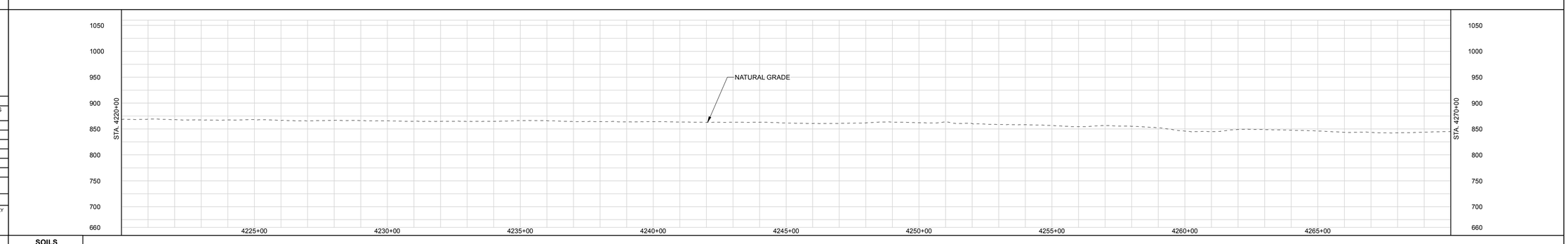
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 79.92 to M.P. 80.87
STA. 4220+00 to STA. 4270+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1087	REV. A

FIG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboBuild\ NEXUS PROPOSED MAINLINE PIPELINE 087 of 266.pdf PLOT TIME: 2015-04-22 09:45:45

RIGHT-OF-WAY

TRACT NUMBERS

4270+00 | OH-LO-052.0000-SC 611 FT. 37.0 RODS | 4276+11 | OH-LO-052.0100-SC 555 FT. 33.6 RODS | 4281+66 | OH-LO-052.0200-SC 977 FT. 59.2 RODS | 4291+43 | OH-LO-054.0000-RD 39 FT. 2.4 RODS | 4291+82 | OH-LO-058.0000-SC 1329 FT. 80.5 RODS | 4305+11 | OH-LO-059.0000-SC 1489 FT. 90.2 RODS | 4320+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4282+80 PI = 63°48'15" RT

STA. 4291+36 POWERLINE CLEARANCE 20 FT.
STA. 4291+42 DITCH DEPTH 0 FT CENTERLINE
STA. 4291+52 ROAD EDGE
STA. 4291+64 PAVED, SH 303 CENTERLINE
STA. 4291+76 ROAD EDGE
STA. 4291+84 DITCH DEPTH 0 FT CENTERLINE
STA. 4295+87 POWERLINE CLEARANCE 20 FT.

STA. 4312+24 POWERLINE (LIDAR)

STA. 4313+52 PI = 44°36'52" LT

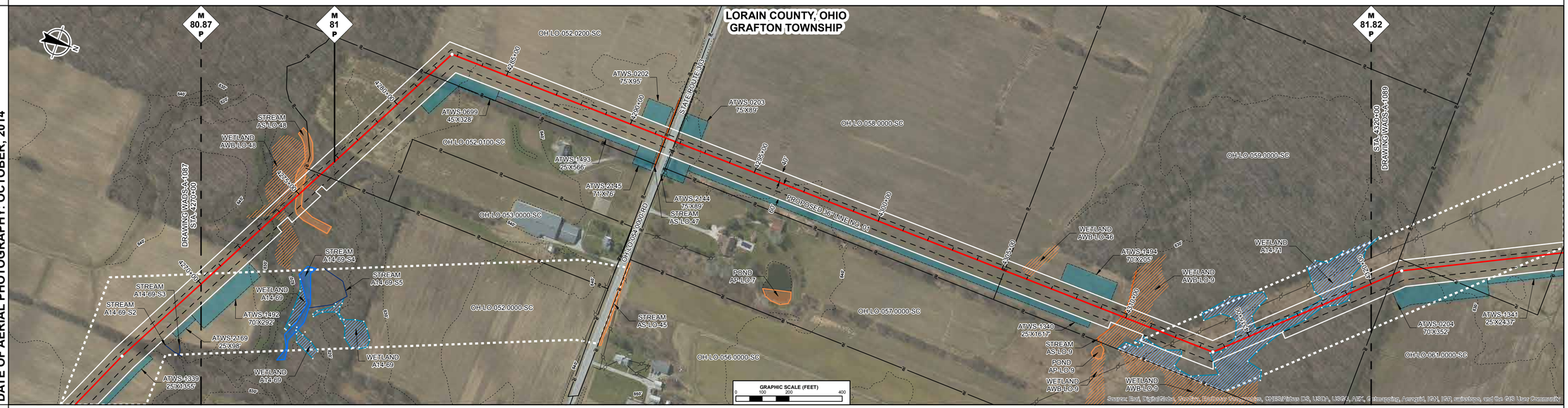
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4273+28 WETLAND AWB-LO-48 ENTER
STA. 4274+50 STREAM SALT CREEK AS-LO-48 ENTER
STA. 4275+71 STREAM SALT CREEK AS-LO-48 EXIT
STA. 4275+74 WETLAND AWB-LO-48 EXIT
STA. 4291+40 CENTERLINE OF STREAM AS-LO-9 TRIB TO EAST BRANCH BLACK RIVER
STA. 4305+70 WETLAND AWB-LO-46 ENTER
STA. 4306+28 WETLAND AWB-LO-46 EXIT
STA. 4309+68 WETLAND AWB-LO-9 ENTER
STA. 4309+83 STREAM AS-LO-9
STA. 4309+86 CENTERLINE OF STREAM AS-LO-9 TRIB TO EAST BRANCH BLACK RIVER
STA. 4310+84 WETLAND A14-71 ENTER
STA. 4311+10 WETLAND AWB-LO-9 EXIT
STA. 4312+47 WETLAND A14-71 EXIT
STA. 4315+44 WETLAND A14-71 ENTER
STA. 4319+39 WETLAND A14-71 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

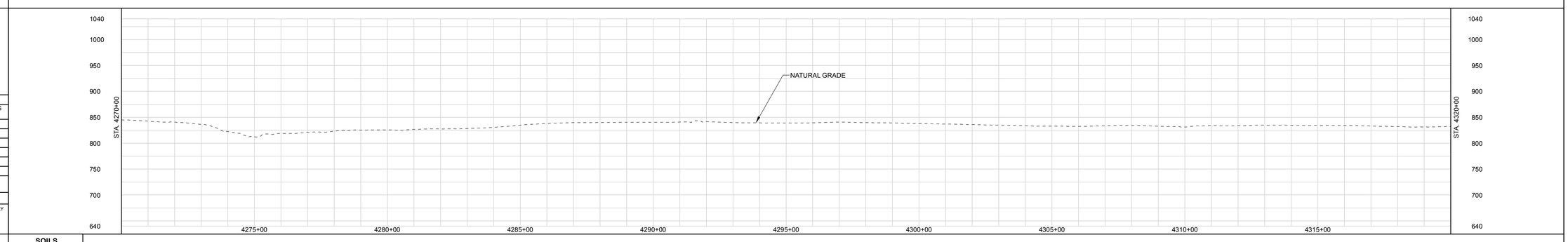
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

REV	DSN	CK	DESCRIPTION
A			ISSUED FOR FERC

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 80.87 to M.P. 81.82
STA. 4270+00 to STA. 4320+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1088	REV. A

P:\205_UPSTREAM_PIPELINE\299K_CSI\TurdoRoute\ NEXUS PROPOSED MAINLINE PIPELINE 088 of 286.pdf PLOT TIME: 2015-04-22 10:26:04

RIGHT-OF-WAY

TRACT NUMBERS

Tract	Station	Length	Rods
OH-LO-059.0000-SC	4320+00 – 4320+91	91 FT.	5.5 RODS
OH-LO-061.0000-SC	4320+91 – 4322+07	116 FT.	7.0 RODS
OH-LO-060.0000-SC	4322+07 – 4327+28	521 FT.	31.6 RODS
OH-LO-061.0000-SC	4327+28 – 4345+90	1862 FT.	112.8 RODS
OH-LO-062.0000-SC	4345+90 – 4351+62	572 FT.	34.7 RODS
OH-LO-062.0100-SC	4351+62 – 4358+00	638 FT.	38.7 RODS
OH-LO-068.0000-RD	4358+00 – 4358+41	41 FT.	2.5 RODS
OH-LO-074.0000-SC	4358+41 – 4369+29	1088 FT.	65.9 RODS
OH-LO-076.0000-SC	4369+29 – 4370+00	71 FT.	4.3 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4321+24 PI – 16°53'01" RT

STA. 4353+10 PI – 31°02'44" LT

STA. 4355+97 PI – 29°32'38" LT

STA. 4358+13 COUNTY HWY 49 (SCALED) CENTERLINE

STA. 4360+66 PI – 34°08'15" RT

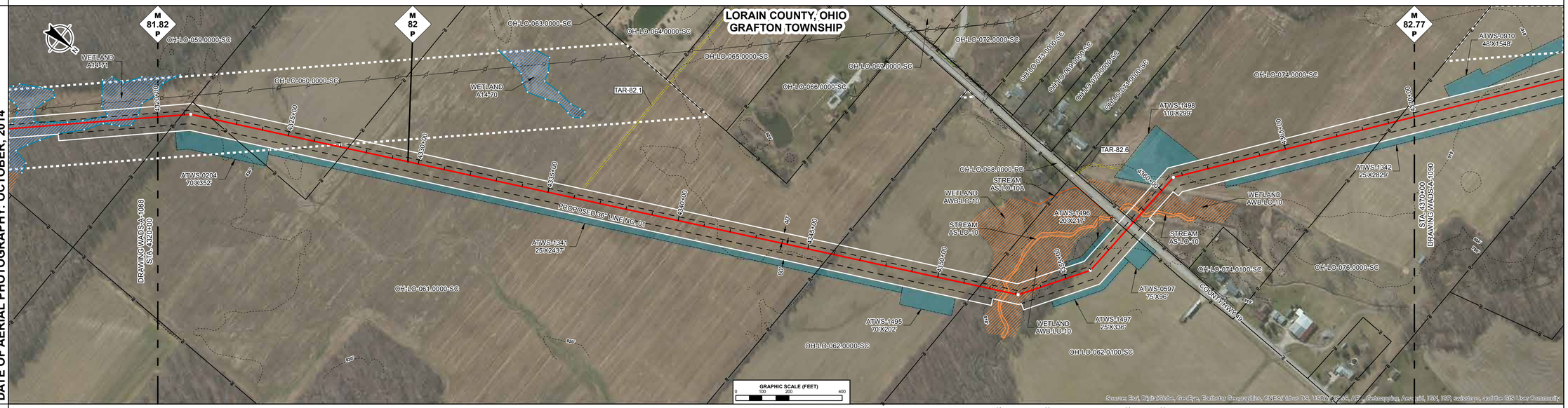
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4351+77 WETLAND AWB-LO-10 ENTER
STA. 4352+42 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-10 ENTER
STA. 4352+56 WETLAND AWB-LO-10 ENTER
STA. 4355+50 WETLAND AWB-LO-10 EXIT
STA. 4352+72 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-10 EXIT
STA. 4354+81 WETLAND AWB-LO-10 EXIT

STA. 4358+74 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-10 ENTER
STA. 4359+88 WETLAND AWB-LO-10 ENTER
STA. 4360+22 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-10 EXIT
STA. 4360+10 WETLAND AWB-LO-10 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

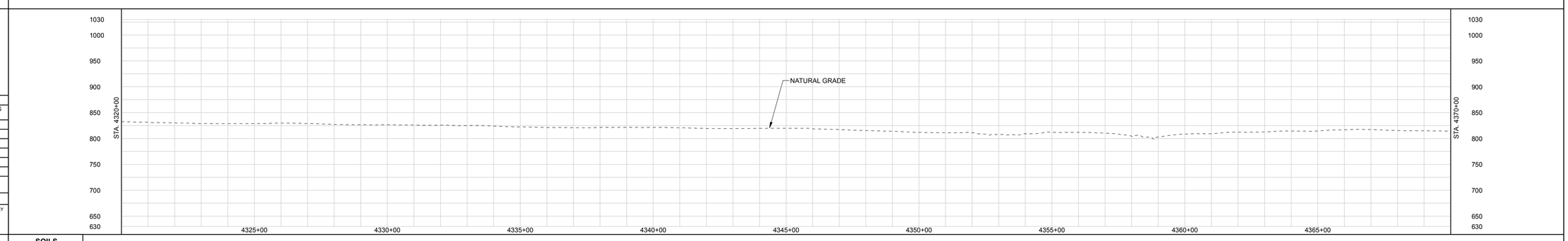
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 81.82 to M.P. 82.77
STA. 4320+00 to STA. 4370+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1089	REV. A

P:\295_UPSTREAM_PIPELINE\295K_OS\TurboDesign\NEXUS PROPOSED MAINLINE PIPELINE 088 of 286.pdf - PLOT TIME: 2015-04-21 15:30:26

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

4370+00 | OH-LO-076.0000-SC 897 FT. 54.4 RODS | 4378+97 | OH-LO-077.0000-SC 981 FT. 59.5 RODS | 4388+78 | OH-LO-078.0000-SC 1069 FT. 64.8 RODS | 4399+47 | OH-LO-082.0000-SC 1816 FT. 110.1 RODS | 4417+63 | OH-LO-083.0000-SC 71 FT. 4.3 RODS | 4418+34 | OH-LO-090.0000-RR 106 FT. 6.4 RODS | 4419+39 | OH-LO-087.0000-RD 39 FT. 2.4 RODS | 4419+78 | OH-LO-089.0000-SC 22 FT. 1.3 RODS | 4420+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4381+45 PI – 32°20'20" LT
STA. 4388+18 PI – 20°45'19" RT
STA. 4388+61 MUNICIPALITY LINE
STA. 4389+86 HDD ENTRY
STA. 4399+56 WATER EDGE
STA. 4399+87 CREEK, DEPTH 4.5 FT CENTERLINE
STA. 4400+23 WATER EDGE
STA. 4407+04 HDD EXIT
STA. 4407+04 PI – 24°47'46" LT
STA. 4415+89 PI – 30°22'06" RT
STA. 4419+35 ROAD EDGE
STA. 4419+48 PAVED, INDIAN HOLLOW RD CENTERLINE
STA. 4419+61 ROAD EDGE

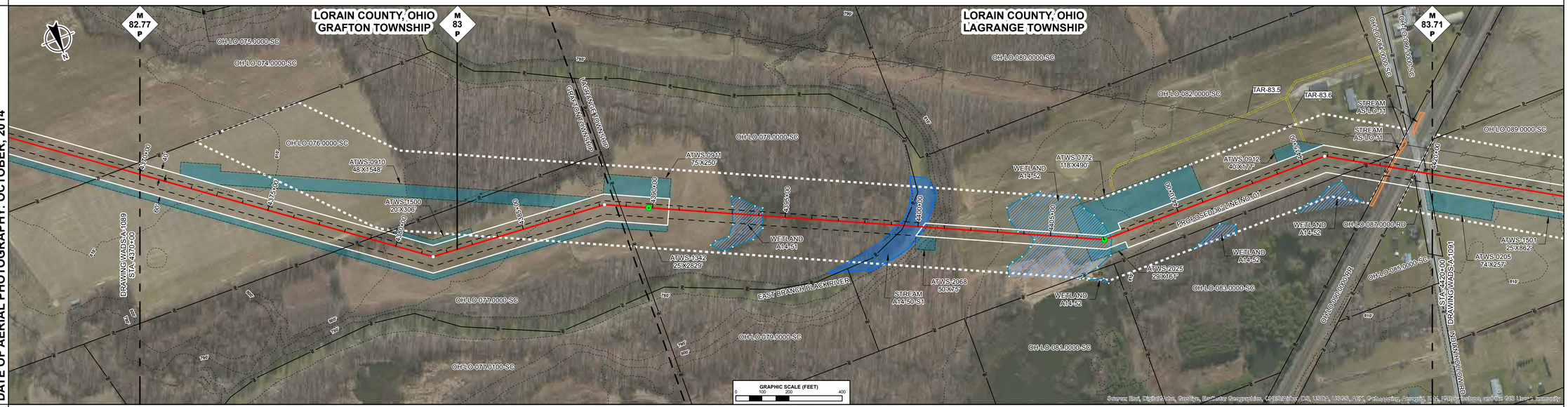
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4393+00 WETLAND A14-51 ENTER
STA. 4394+17 WETLAND A14-51 EXIT
STA. 4399+93 STREAM EAST BRANCH BLACK RIVER A14-50-S1 ENTER
STA. 4400+31 STREAM EAST BRANCH BLACK RIVER A14-50-S1 EXIT
STA. 4403+71 WETLAND A14-52 ENTER
STA. 4407+32 WETLAND A14-52 EXIT
STA. 4418+15 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-11 ENTER
STA. 4418+68 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-11 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

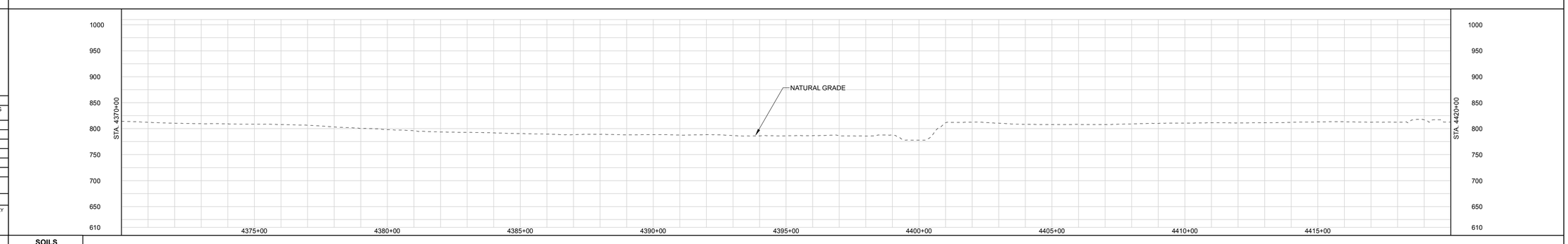
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 82.77 to M.P. 83.71
STA. 4370+00 to STA. 4420+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1090	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DIG.#

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RIGHT-OF-WAY

TRACT NUMBERS

4420+00 | OH-LO-089.0000-SC 1216 FT. 73.7 RODS | 4432+16 | OH-LO-091.0000-SC 843 FT. 51.1 RODS | 4440+59 | OH-LO-093.0000-SC 1043 FT. 63.2 RODS | 4451+02 | OH-LO-095.0000-SC 1898 FT. 115.0 RODS | 4470+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4431+12 DITCH DEPTH 0 FT. CENTERLINE

STA. 4434+70 PI = 00°04'06" RT

STA. 4452+35 PI = 30°41'41" LT

STA. 4454+37 POWERLINE (SCALED)

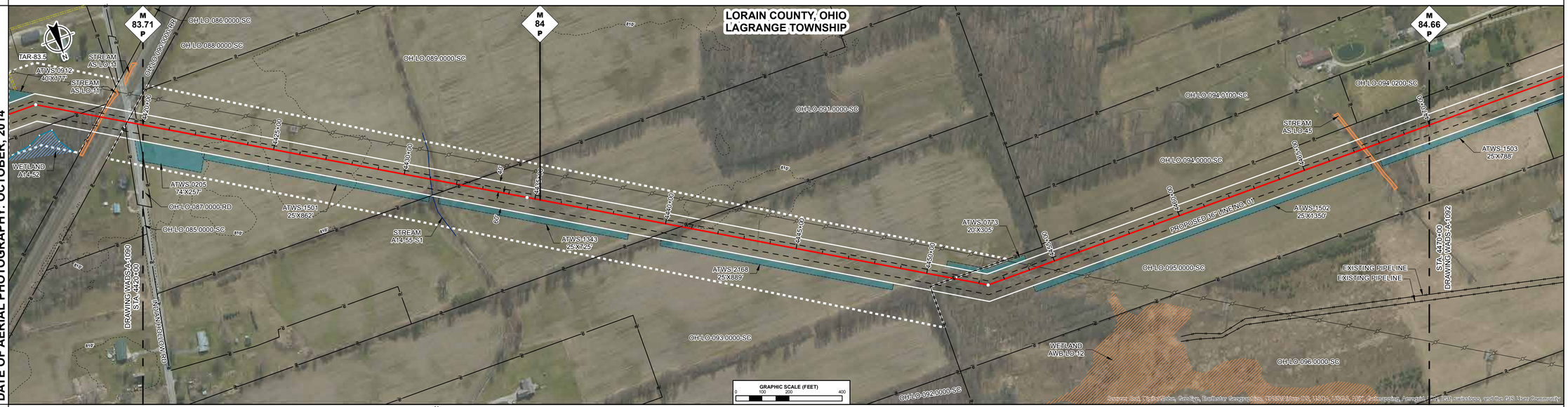
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4431+00 CENTERLINE OF STREAM AA-55-S1 TRIB TO WEST BRANCH BLACK RIVER

STA. 4467+21 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-45 ENTRY

STA. 4467+44 STREAM TRIB TO EAST BRANCH BLACK RIVER AS-LO-45 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
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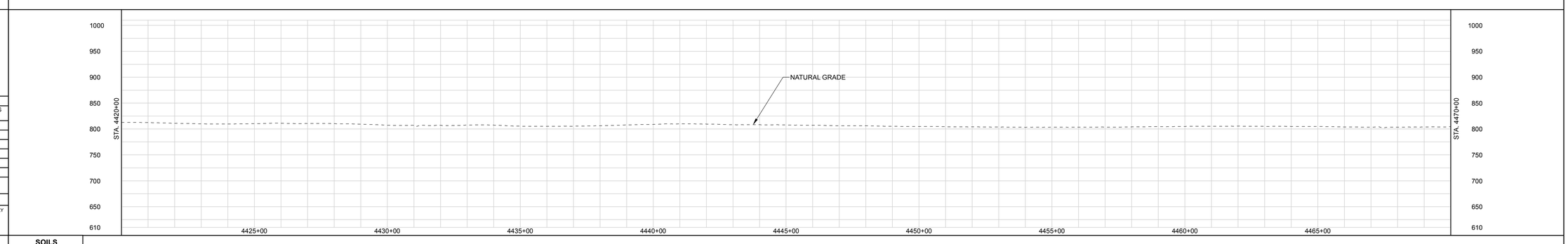
TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 83.71 to M.P. 84.66
STA. 4420+00 to STA. 4470+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1091 | REV. A

DWG. NO.

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RIGHT-OF-WAY

TRACT NUMBERS

Tract	Length	Rods
OH-LO-095.0000-SC	676 FT.	41.0 RODS
OH-LO-100.0000-RD	39 FT.	2.4 RODS
OH-LO-105.0100-SC	853 FT.	51.7 RODS
OH-LO-105.0000-SC	389 FT.	23.6 RODS
OH-LO-106.0000-SC	397 FT.	24.1 RODS
OH-LO-104.0000-SC	280 FT.	17.0 RODS
OH-LO-108.0000-SC	998 FT.	60.5 RODS
OH-LO-110.0000-SC	1368 FT.	82.9 RODS

4470+00 · 4476+76 · 4477+15 · 4485+68 · 4489+57 · 4493+54 · 4496+34 · 4506+32 · 4520+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4476+89 WHEELER RD (SCALED) CENTERLINE
STA. 4481+58 PI = 40°02'13" RT
STA. 4493+08 GAS PL
STA. 4493+30 GAS PL
STA. 4493+98 PI = 06°24'26" RT
STA. 4496+09 GAS PL
STA. 4496+41 GAS PL
STA. 4497+09 PI = 40°58'30" LT
STA. 4514+20 PI = 09°08'00" LT

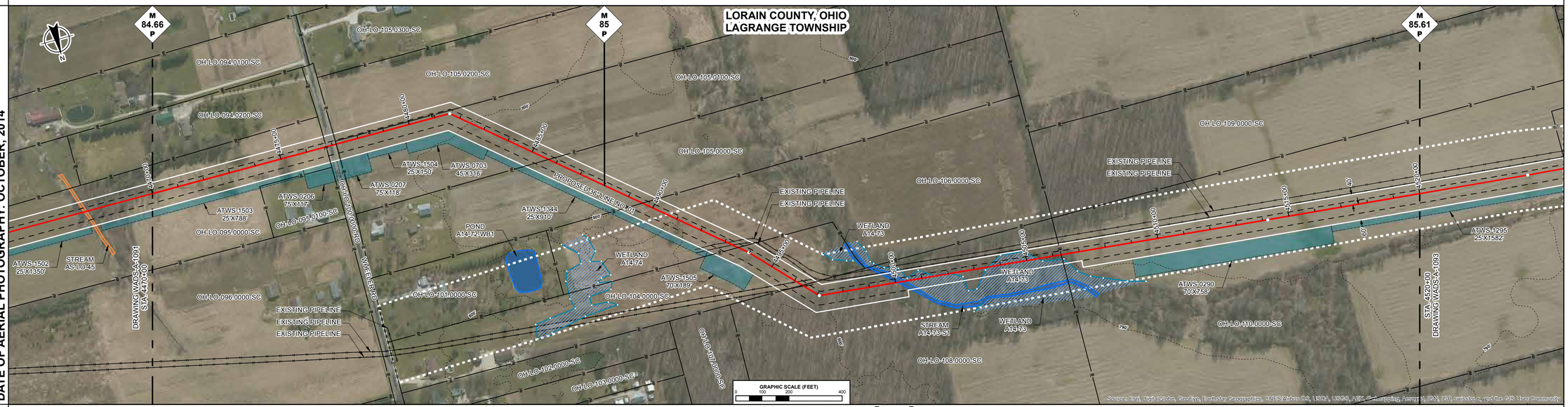
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE · FIRE HYDRANT
- WELL: GAS · WATER · OIL · OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4499+54 STREAM KING DITCH A14-73-S1 ENTER
STA. 4499+82 WETLAND A14-73 ENTER
STA. 4500+77 STREAM KING DITCH A14-73-S1 EXIT
STA. 4502+59 WETLAND A14-73 EXIT
STA. 4503+24 WETLAND A14-73 ENTER
STA. 4508+53 WETLAND A14-73 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

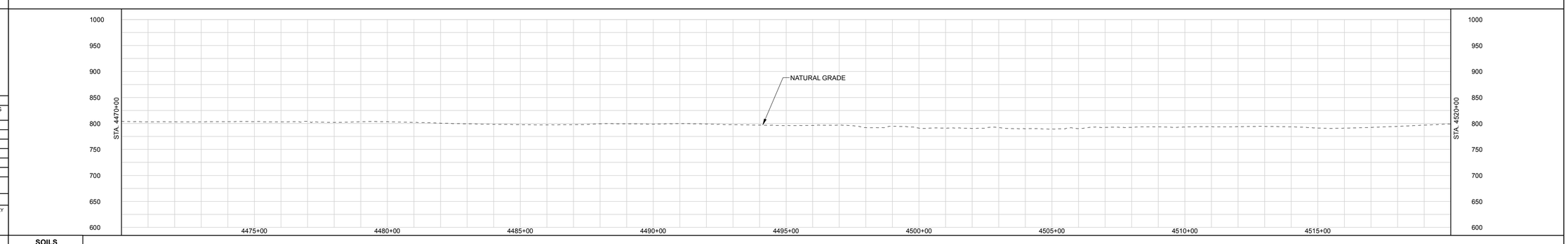
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 84.66 to M.P. 85.61
STA. 4470+00 to STA. 4520+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1092 | REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

4520+00 | OH-LO-110.0000-SC | 560 FT. | 33.9 RODS | 4525+60
4525+60 | OH-LO-113.0000-SC | 678 FT. | 41.1 RODS | 4532+38
4532+38 | OH-LO-116.0000-RD | 47 FT. | 2.8 RODS | 4532+85
4532+85 | OH-LO-119.0000-SC | 2644 FT. | 160.2 RODS | 4559+29
4559+29 | OH-LO-120.0000-SC | 1071 FT. | 64.9 RODS | 4570+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4524+12 PI – 00°24'44" LT
STA. 4528+35 PI – 03°47'02" LT
STA. 4532+30 POWERLINE, CLEARANCE 15 FT.
STA. 4532+37 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4532+40 ROAD EDGE
STA. 4532+60 PAVED, SH 301 CENTERLINE
STA. 4532+74 ROAD EDGE
STA. 4532+87 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4532+91 POWERLINE, CLEARANCE 25 FT.
STA. 4566+60 PI – 00°08'32" LT

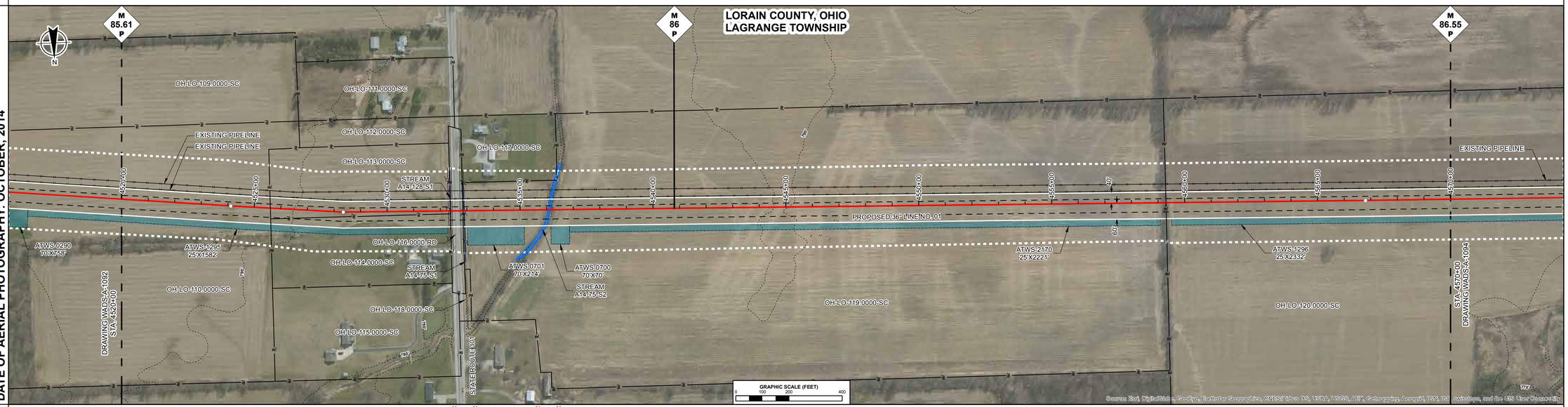
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4532+38 CENTERLINE OF STREAM A14-75-S1 TRIB TO WEST BRANCH BLACK RIVER
STA. 4532+89 CENTERLINE OF STREAM A14-75-S2 TRIB TO WEST BRANCH BLACK RIVER
STA. 4535+87 STREAM TRIB TO WEST BRANCH BLACK RIVER A14-75-S2 EXIT
STA. 4538+20 STREAM TRIB TO WEST BRANCH BLACK RIVER A14-75-S2 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

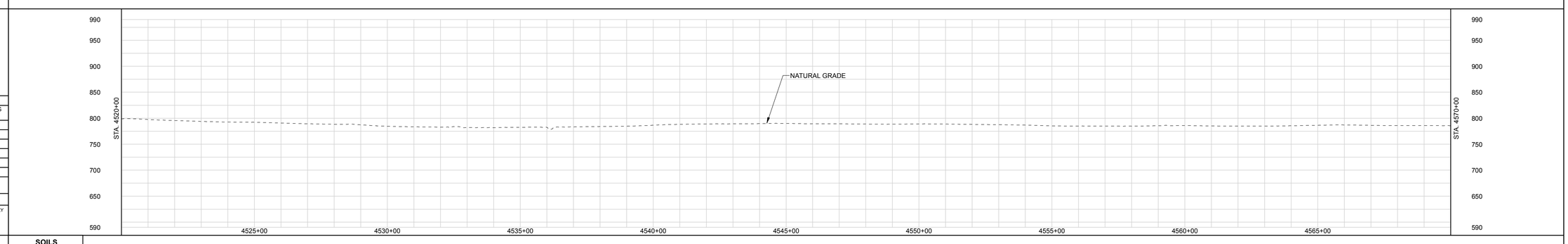
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 85.61 to M.P. 86.55
STA. 4520+00 to STA. 4570+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1093 | REV. A

NEXUS GAS TRANSMISSION

P:\205_UPSTREAM_PIPELINE\205K_OSB\Tubo\Bruel NEXUS PROPOSED MAINLINE PIPELINE 093 of 266.pdf PLOT TIME: 2015-04-22 12:36:05

RIGHT-OF-WAY

TRACT NUMBERS

4570+00 | OH-LO-120.0000-SC | 1197 FT. | 72.5 RODS
4581+97 | OH-LO-122.0000-SC | 359 FT. | 21.8 RODS
4585+56 | OH-LO-123.0000-RD | 39 FT. | 2.4 RODS
4585+95 | OH-LO-125.0000-SC | 2624 FT. | 159.0 RODS
4612+19 | OH-LO-126.0000-SC | 781 FT. | 47.3 RODS
4620+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4580+22 PI – 00°20'52" LT
STA. 4585+73 WHITEHEAD ROAD CENTERLINE (SCALED)
STA. 4588+41 PI – 00°23'53" LT

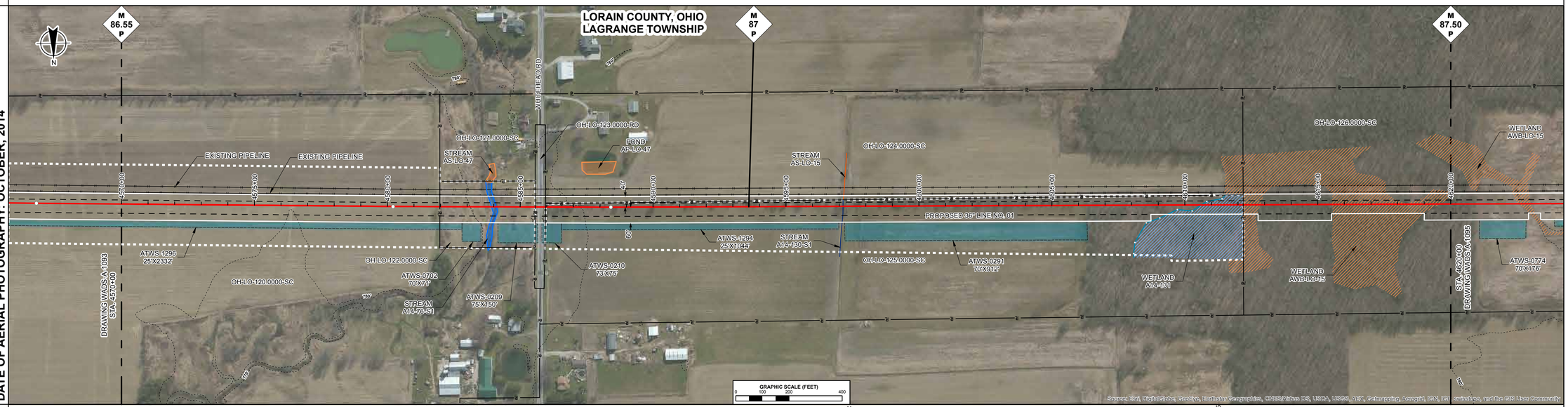
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD — PAR-0.0
TEMPORARY ACCESS ROAD — TAR-0.0
PARCEL TRACT NO — OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE — FIRE HYDRANT
WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4583+80 STREAM KELNER DITCH A14-76-S1 ENTER
STA. 4584+45 STREAM KELNER DITCH A14-76-S1 EXIT
STA. 4597+14 CENTERLINE OF STREAM A14-130-S1 TRIB. TO WEST BRANCH BLACK RIVER
STA. 4609+33 WETLAND A14-131 ENTER
STA. 4611+42 WETLAND AWB-LO-15 ENTER
STA. 4612+19 WETLAND A14-131 EXIT
STA. 4612+98 WETLAND AWB-LO-15 EXIT
STA. 4615+52 WETLAND AWB-LO-15 ENTER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

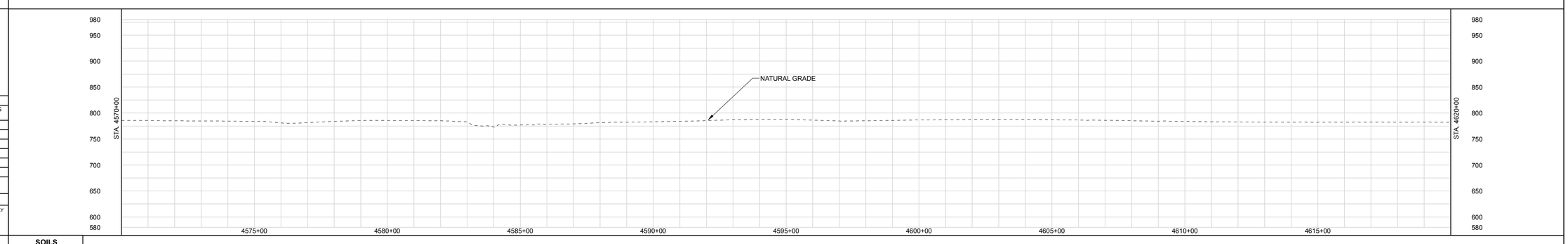
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 86.55 to M.P. 87.50
STA. 4570+00 to STA. 4620+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1094 | REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

4620+00 | OH-LO-126.0000-SC 1672 FT. 101.3 RODS | 4636+72 | OH-LO-127.0000-RD 39 FT. 2.4 RODS | 4637+11 | OH-LO-130.0000-SC 853 FT. 51.7 RODS | 4645+64 | OH-LO-131.0000-SC 1896 FT. 114.9 RODS | 4664+60 | OH-LO-133.0000-SC 248 FT. 15.0 RODS | 4667+08 | OH-LO-134.0000-SC 292 FT. 17.7 RODS | 4670+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4636+68 POWERLINE (LIDAR)
STA. 4636+81 ROAD (LIDAR) EDGE
STA. 4636+83 DIAGONAL RD (SCALED) CENTERLINE
STA. 4637+00 ROAD (LIDAR) EDGE
STA. 4637+14 POWERLINE (LIDAR)
STA. 4644+50 PI – 52°19'34" LT
STA. 4645+06 PIPELINE
STA. 4645+21 ETS
STA. 4645+29 PIPELINE (SCALED)
STA. 4646+99 PI – 51°10'18" RT
STA. 4664+75 MUNICIPALITY LINE
STA. 4669+84 PI – 12°03'22" LT

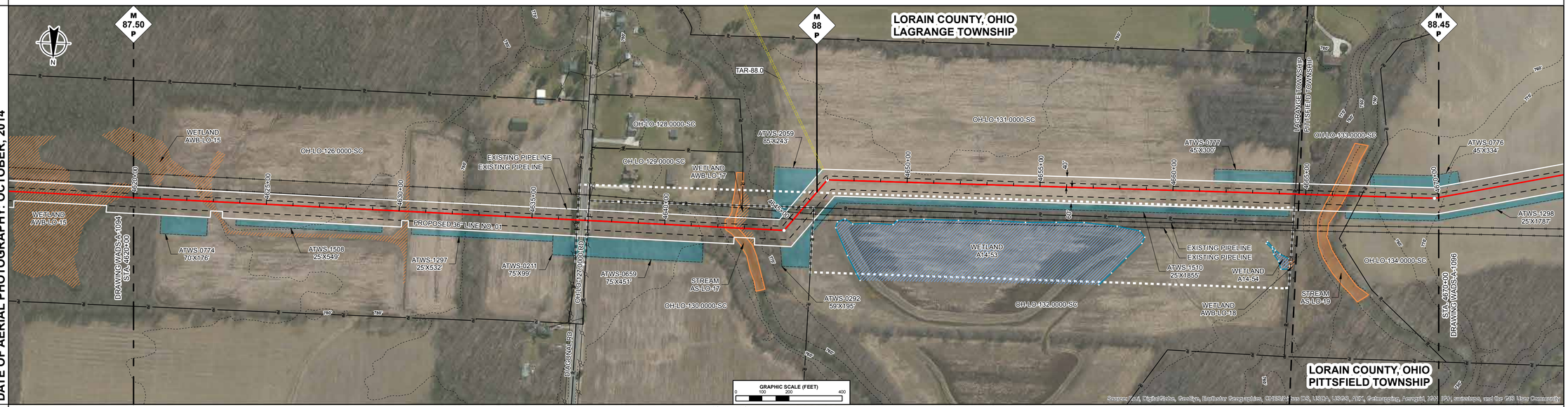
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD — PAR-0.0
- TEMPORARY ACCESS ROAD — TAR-0.0
- PARCEL TRACT NO — OH-CO-011.0000-SC
- PROPERTY LINE
- CONTOUR — 120'
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4620+03 WETLAND AWB-LO-15 EXIT
STA. 4622+31 WETLAND AWB-LO-15 ENTER
STA. 4623+19 WETLAND AWB-LO-15 EXIT
STA. 4630+23 WETLAND AWB-LO-15 ENTER
STA. 4630+38 WETLAND AWB-LO-15 EXIT
STA. 4642+27 STREAM ELK CREEK AS-LO-17 ENTER
STA. 4642+62 WETLAND AWB-LO-17 ENTER
STA. 4643+10 STREAM ELK CREEK AS-LO-17 EXIT
STA. 4643+25 WETLAND AWB-LO-17 EXIT
STA. 4643+38 WETLAND AWB-LO-17 EXIT
STA. 4665+62 STREAM WELLINGTON CREEK AS-LO-19 ENTER
STA. 4666+46 STREAM WELLINGTON CREEK AS-LO-19 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

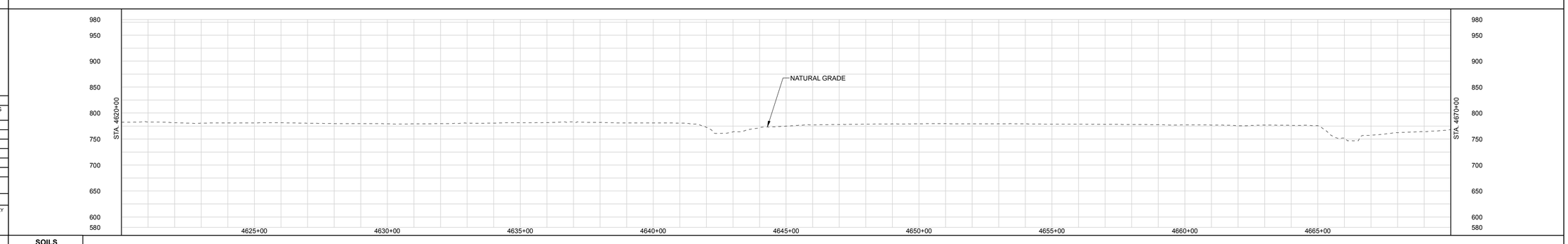
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 87.50 to M.P. 88.45
STA. 4620+00 to STA. 4670+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1095	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DIG.#

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RIGHT-OF-WAY

TRACT NUMBERS

4670+00 | OH-LO-134.0000-SC | 1256 FT. | 76.1 RODS | 4682+56
OH-LO-136.0000-SC | 1591 FT. | 96.4 RODS
4698+47 | OH-LO-137.0000-RD | 37 FT. | 2.2 RODS | 4698+84
OH-LO-138.0000-SC | 1616 FT. | 97.9 RODS | 4715+00
OH-LO-139.0000-SC | 500 FT. | 30.3 RODS | 4720+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4686+93 PI – 11°43'47" RT
STA. 4687+63 HDD ENTRY
STA. 4690+41 TOP BANK
STA. 4691+26 TOP BANK
STA. 4697+16 TOP BANK
STA. 4697+74 TOP BANK
STA. 4698+50 DITCH, DEPTH 0
STA. 4698+54 PIPELINE
STA. 4698+58 ROAD EDGE
STA. 4698+68 PAVED, WEST
STA. 4698+75 ROAD EDGE
STA. 4698+77 ROAD EDGE
STA. 4698+86 DITCH, DEPTH 0
STA. 4698+87 PIPELINE
STA. 4698+89 POWER LINE, CLEARANCE 15 FT.
STA. 4702+40 HDD EXIT
STA. 4705+54 PI – 38°45'49" RT
STA. 4706+59 FENCE
STA. 4707+14 FENCE
STA. 4708+47 TOP BANK
STA. 4708+79 TOP BANK
STA. 4713+26 PIPELINE (SCALED)
STA. 4713+84 GAS PL

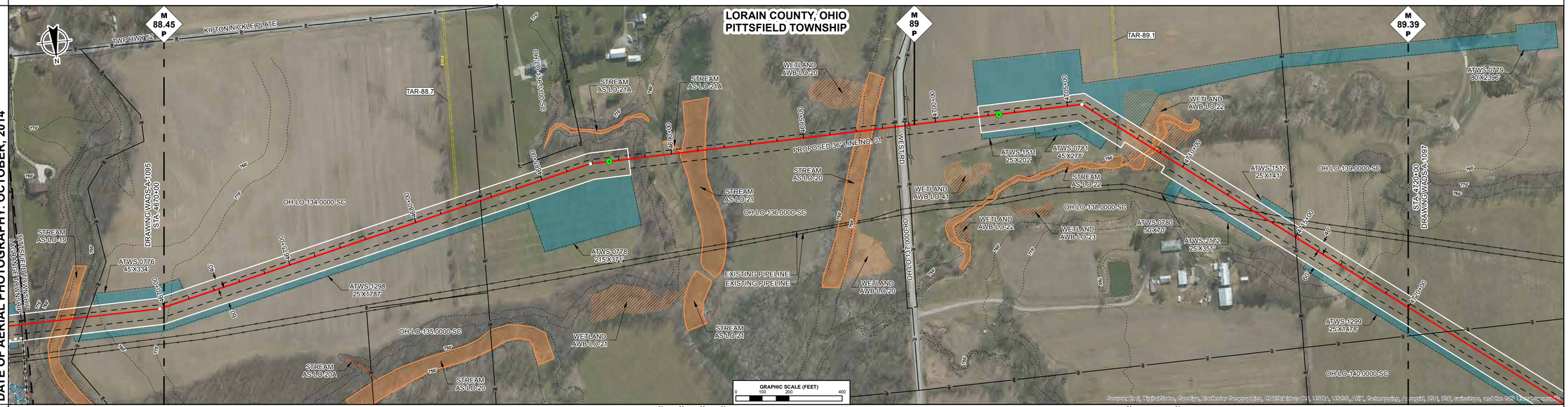
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4690+21 STREAM TRIB TO WEST BRANCH BLACK RIVER AS-LO-21A ENTER
STA. 4690+32 STREAM TRIB TO WEST BRANCH BLACK RIVER AS-LO-21 ENTER
STA. 4690+43 STREAM TRIB TO WEST BRANCH BLACK RIVER AS-LO-21A EXIT
STA. 4691+29 STREAM TRIB TO WEST BRANCH BLACK RIVER AS-LO-21 EXIT
STA. 4696+88 STREAM WEST BRANCH BLACK RIVER AS-LO-20 ENTER
STA. 4697+06 STREAM WEST BRANCH BLACK RIVER AS-LO-20 EXIT
STA. 4706+66 WETLAND AWB-LO-22 ENTER
STA. 4708+50 STREAM TRIB TO WEST BRANCH BLACK RIVER AS-LO-22 ENTER
STA. 4708+55 WETLAND AWB-LO-22 ENTER
STA. 4708+68 WETLAND AWB-LO-22 EXIT
STA. 4708+82 STREAM TRIB TO WEST BRANCH BLACK RIVER AS-LO-22 EXIT
STA. 4709+47 WETLAND AWB-LO-22 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

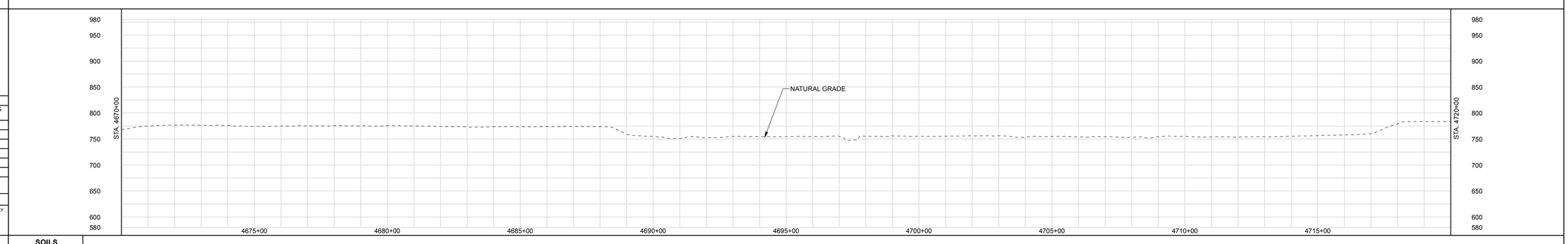
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 88.45 to M.P. 89.39
STA. 4670+00 to STA. 4720+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1096 | REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

IG.#

P:\295_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 095 of 266.pdf PLOT TIME: 2015-04-23 10:33:50

RIGHT-OF-WAY

TRACT NUMBERS

4720+00 | OH-LO-139.0000-SC | 173 FT. | 10.5 RODS | 4721+73
OH-LO-140.0000-SC | 864 FT. | 52.4 RODS | 4730+37
OH-LO-143.0000-SC | 1998 FT. | 121.1 RODS
4750+35 | OH-LO-146.0000-RD | 35 FT. | 2.1 RODS | 4750+70
OH-LO-145.0000-SC | 257 FT. | 15.6 RODS | 4753+27
OH-LO-148.0000-RD | 72 FT. | 4.4 RODS | 4753+99
OH-LO-152.0000-SC | 59 FT. | 3.6 RODS | 4754+58
OH-LO-150.0000-SC | 585 FT. | 35.5 RODS | 4760+43
OH-LO-152.0000-SC | 957 FT. | 58.0 RODS | 4770+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4730+39 PI – 37°20'35" LT
STA. 4736+72 GAS WELL, 278 FT. LEFT
STA. 4747+79 PI – 41°35'28" RT
STA. 4750+20 POWERLINE, CLEARANCE 20 FT.
STA. 4750+27 TOP BANK
STA. 4750+33 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4750+37 TOP BANK
STA. 4750+40 ROAD EDGE
STA. 4750+50 PAVED HALLAUER ROAD CENTERLINE
STA. 4750+60 ROAD EDGE
STA. 4750+61 TOP BANK
STA. 4750+69 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4750+75 TOP BANK
STA. 4753+04 POWERLINE, CLEARANCE 15 FT.
STA. 4753+52 ROAD EDGE
STA. 4753+54 PAVED US 20 CENTERLINE
STA. 4753+77 ROAD EDGE
STA. 4753+79 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4755+29 PI – 40°33'51" LT
STA. 4760+96 PI – 57°00'23" LT
STA. 4763+83 GAS PL
STA. 4764+00 GAS PL
STA. 4766+48 PI – 86°05'33" RT
STA. 4769+58 PI – 10°47'53" LT

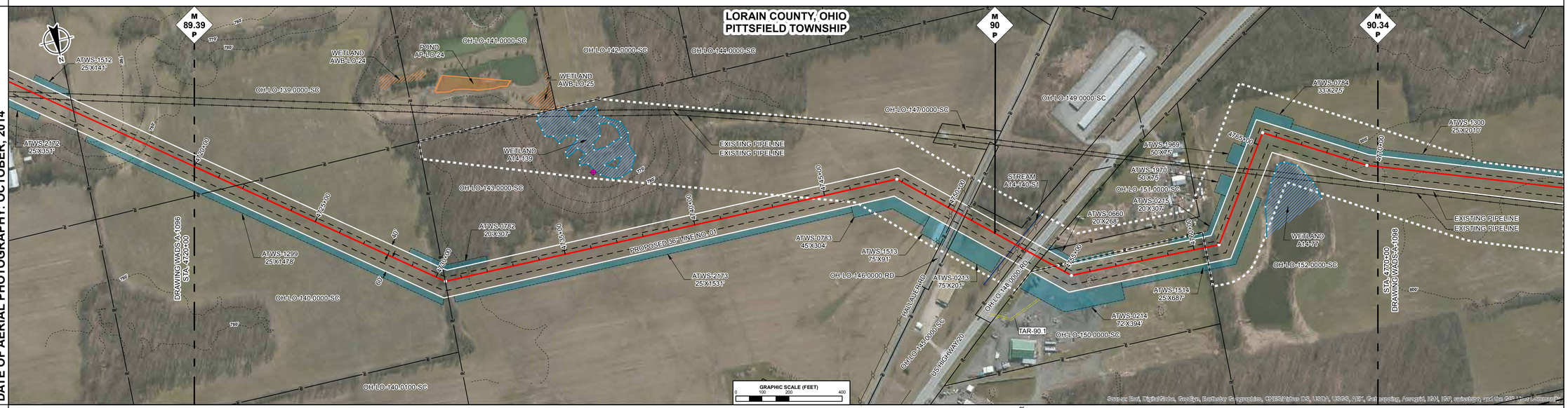
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



STA. 4763+90 CENTERLINE OF STREAM A14-140-S1 TRIB TO WEST BRANCH BLACK RIVER

ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

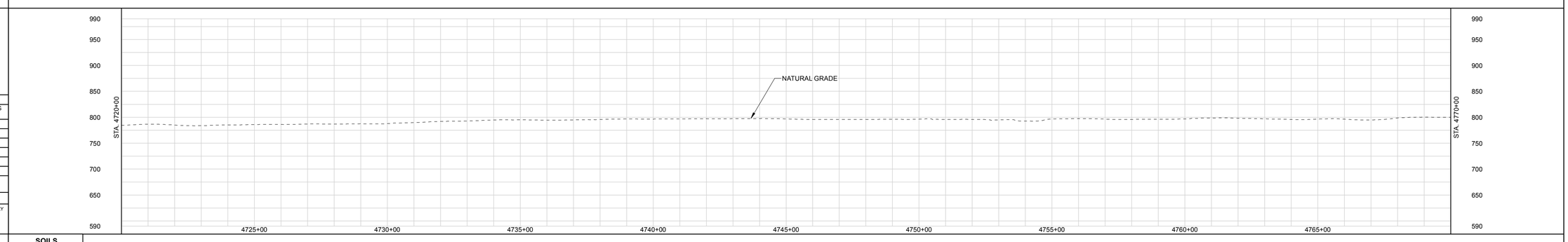
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

ENGINEERING APPROVALS

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 89.39 to M.P. 90.34
STA. 4720+00 to STA. 4770+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1097 | REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

4770+00 | OH-LO-152.0000-SC | 1717 FT. | 104.1 RODS | 4787+17
OH-LO-154.0000-SC | 455 FT. | 27.6 RODS | 4791+72
OH-LO-155.0000-SC | 719 FT. | 43.6 RODS | 4798+91
OH-LO-157.0000-SC | 371 FT. | 22.5 RODS | 4802+62
OH-LO-156.0000-SC | 1229 FT. | 74.5 RODS | 4814+91
OH-LO-157.0000-SC | 21 FT. | 1.3 RODS | 4815+12
OH-LO-168.0000-RD | 46 FT. | 2.8 RODS | 4815+58
OH-LO-176.0000-SC | 442 FT. | 26.8 RODS | 4820+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4785+02 PI – 00°22'24" RT
STA. 4798+15 OIL PL
STA. 4800+02 MUNICIPALITY LINE
STA. 4802+63 FENCE
STA. 4804+39 PI – 19°58'06" LT
STA. 4813+68 PI – 29°27'07" LT
STA. 4814+78 POWERLINE, CLEARANCE 21 FT
STA. 4815+04 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4815+27 ROAD EDGE
STA. 4815+35 PAVED SH 58 CENTERLINE
STA. 4815+51 ROAD EDGE
STA. 4815+57 DITCH, DEPTH 0 FT. CENTERLINE
STA. 4816+43 PI – 29°38'18" RT
STA. 4816+54 VALVE FENCE
STA. 4817+19 MLV-8
STA. 4817+44 VALVE FENCE
STA. 4818+77 BUILDING, 144 FT. RIGHT

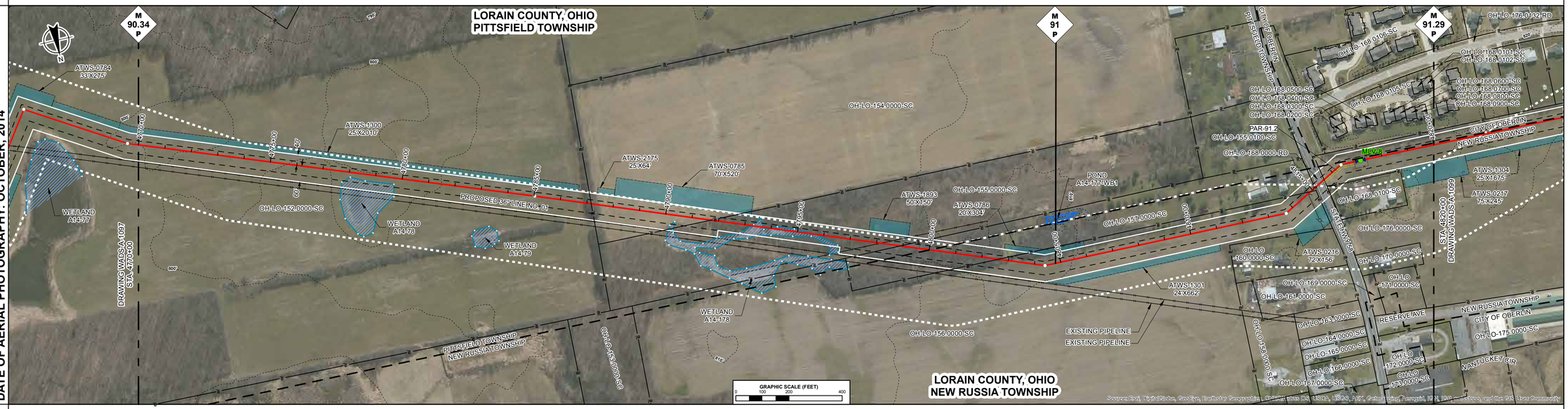
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4777+77 WETLAND A14-178 ENTER
STA. 4779+76 WETLAND A14-178 EXIT
STA. 4790+18 WETLAND A14-178 ENTER
STA. 4790+37 WETLAND A14-178 EXIT
STA. 4792+80 WETLAND A14-178 ENTER
STA. 4796+57 WETLAND A14-178 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

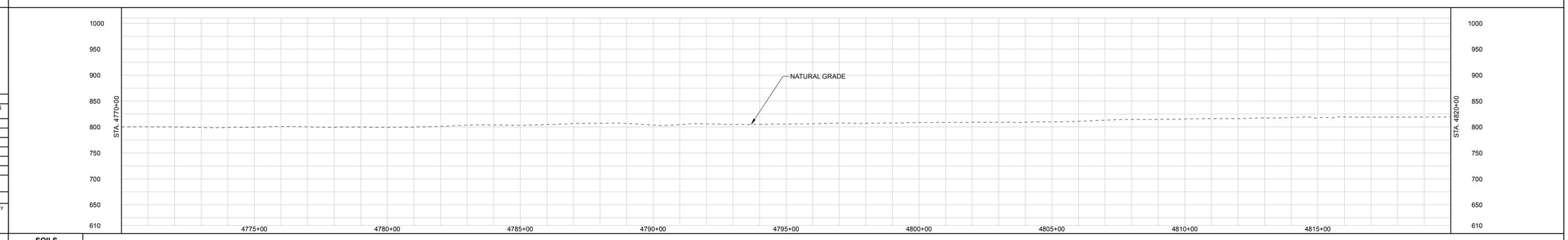
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 90.34 to M.P. 91.29
STA. 4770+00 to STA. 4820+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1098 | REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

4820+00 | OH-LO-176.0000-SC 2641 FT. 160.1 RODS | 4848+41 | OH-LO-178.0000-SC 822 FT. 49.8 RODS | 4854+63 | OH-LO-180.0000-SC 101 FT. 6.1 RODS | 4855+64 | OH-LO-181.0000-SC 657 FT. 39.8 RODS | 4862+21 | OH-LO-182.0000-SC 658 FT. 39.9 RODS | 4868+79 | OH-LO-188.0000-SC 121 FT. 7.3 RODS | 4870+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4848+60 PI – 16°31'17" RT
STA. 4847+13 MUNICIPALITY LINE

STA. 4854+87 MUNICIPALITY LINE
STA. 4855+47 ROAD EDGE
STA. 4855+48 POWERLINE. CLEARANCE 20 FT.
STA. 4854+64 DWEL. NONE CENTERLINE
STA. 4855+63 ROAD EDGE
STA. 4856+01 POWERLINE. CLEARANCE 20 FT.
STA. 4856+53 PI – 18°24'17" LT

STA. 4863+67 PI – 27°53'51" LT

STA. 4868+61 MUNICIPALITY LINE
STA. 4869+52 MUNICIPALITY LINE
STA. 4869+60 POWERLINE. CLEARANCE 20 FT.

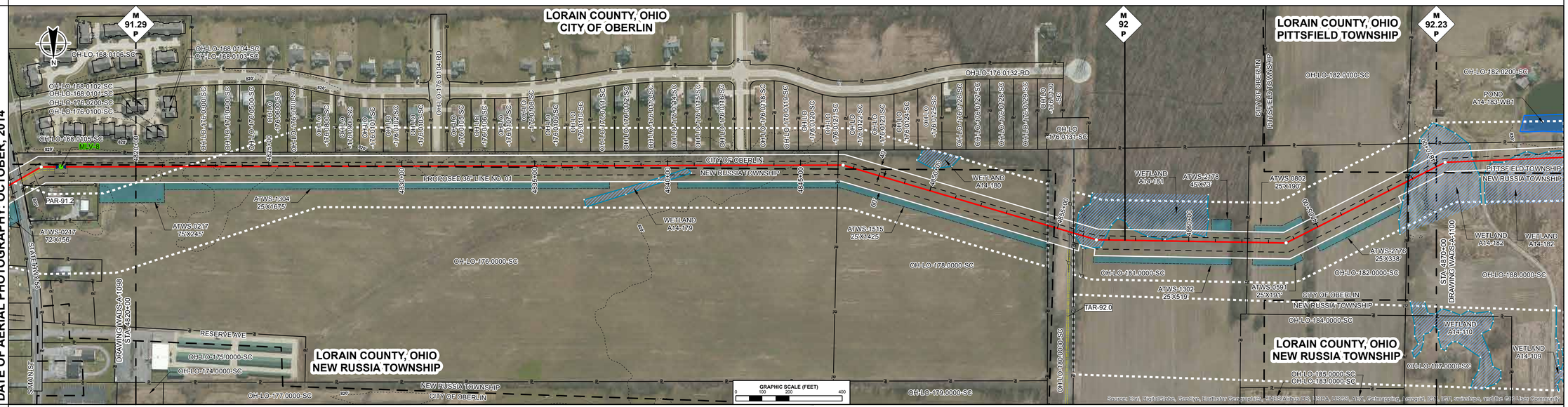
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4839+21 WETLAND A14-179 ENTER
STA. 4840+89 WETLAND A14-179 EXIT
STA. 4855+66 WETLAND A14-181 ENTER
STA. 4857+02 WETLAND A14-181 EXIT
STA. 4857+91 WETLAND A14-181 ENTER
STA. 4860+68 WETLAND A14-181 EXIT
STA. 4868+48 WETLAND A14-182 ENTER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

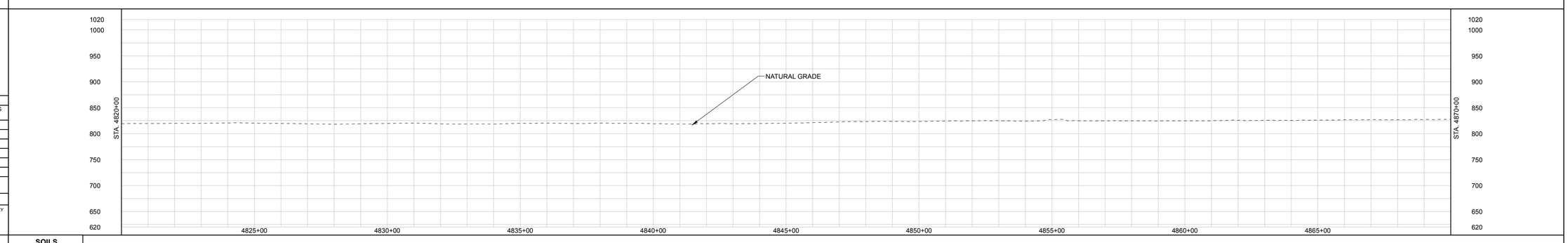
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 91.29 to M.P. 92.23
STA. 4820+00 to STA. 4870+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1099	REV. A

IG.#

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RIGHT-OF-WAY

TRACT NUMBERS

4870+00 | OH-LO-188.0000-SC 494 FT. 29.9 RODS | 4874+94 | OH-LO-191.0000-SC 25 FT. 1.5 RODS | 4875+19 | OH-LO-192.0000-SC 1158 FT. 70.2 RODS | 4886+77 | OH-LO-195.0000-SC 124 FT. 7.5 RODS | 4888+01 | OH-LO-197.0000-SC 863 FT. 52.3 RODS | 4896+64 | OH-LO-199.0000-SC 729 FT. 44.2 RODS | 4903+93 | OH-LO-200.0000-RR 286 FT. 17.3 RODS | 4906+79 | OH-LO-201.0000-SC 1321 FT. 80.1 RODS | 4920+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4870+37 PI – 24°31'04" RT
STA. 4871+75 DRIVEWAY EDGE
STA. 4871+80 DRIVEWAY CENTERLINE
STA. 4871+84 DRIVEWAY EDGE
STA. 4875+45 FENCE
STA. 4883+99 PI – 01°55'08" RT
STA. 4893+70 PI – 00°20'35" LT
STA. 4903+76 PI – 00°36'25" LT
STA. 4904+40 RAILROAD TOE
STA. 4904+67 RAILROAD TOP
STA. 4904+74 RAILROAD CENTERLINE (ED)
STA. 4904+80 RAILROAD TOP
STA. 4904+97 RAILROAD TOE
STA. 4907+14 PI – 46°13'33" RT
STA. 4909+52 MUNICIPALITY LINE

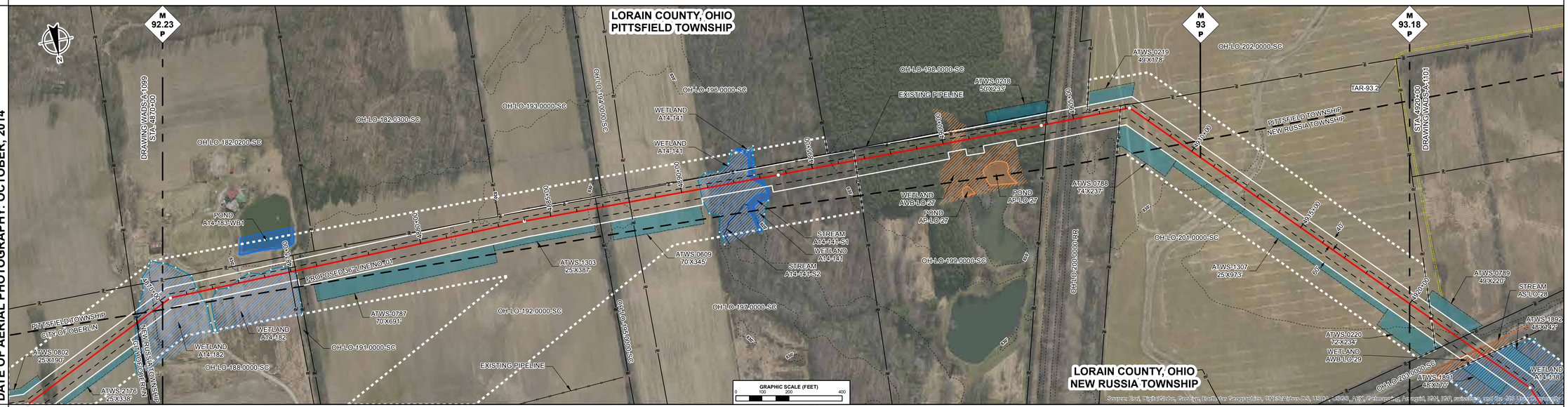
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4871+57 WETLAND A14-182 EXIT
STA. 4871+91 WETLAND A14-182 ENTER
STA. 4875+20 WETLAND A14-182 EXIT
STA. 4890+69 WETLAND A14-141 ENTER
STA. 4892+61 STREAM PLUM CREEK A14-141-S1 ENTER
STA. 4892+66 WETLAND A14-141 ENTER
STA. 4892+89 WETLAND A14-141 EXIT
STA. 4893+10 WETLAND A14-141 EXIT
STA. 4893+20 STREAM PLUM CREEK A14-141-S1 EXIT
STA. 4900+19 WETLAND AWB-LO-27 ENTER
STA. 4900+97 WETLAND AWB-LO-27 EXIT
STA. 4901+50 WETLAND AWB-LO-27 ENTER
STA. 4902+68 WETLAND AWB-LO-27 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

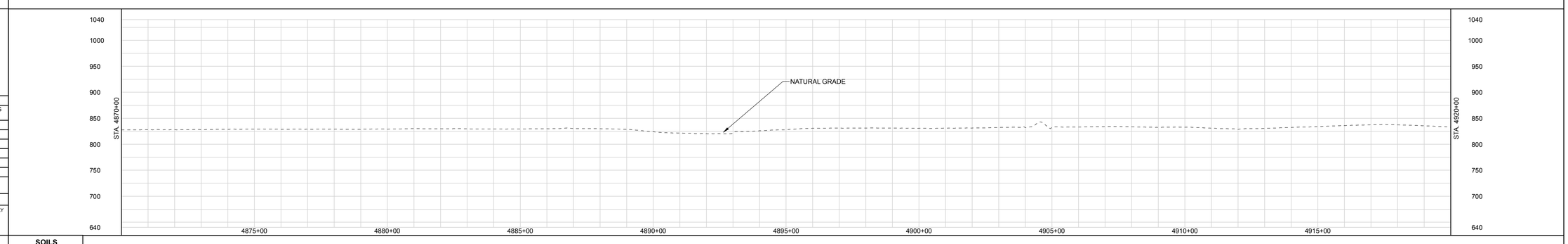
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 92.23 to M.P. 93.18
STA. 4870+00 to STA. 4920+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1100 | REV. A

P:\205_UPSTREAM_PIPELINE\239K_OSB\Tudor\Bryan NEXUS PROPOSED MAINLINE PIPELINE 100 of 266.pdf PLOT TIME: 2015-04-22 13:08:49

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

4920+00	OH-LO-201.0000-SC 99 FT. 6.0 RODS	4920+99	OH-LO-204.0000-SC 130 FT. 7.9 RODS	4922+29	OH-LO-203.0000-SC 115 FT. 7.0 RODS	4923+44	OH-LO-205.0000-SC 697 FT. 42.2 RODS	4930+41	OH-LO-206.0000-SC 242 FT. 14.7 RODS	4932+83	OH-LO-210.0000-SC 584 FT. 35.4 RODS	4938+67	OH-LO-215.0000-RD 33 FT. 2.0 RODS	4939+00	OH-LO-218.0000-SC 735 FT. 44.5 RODS	4946+35	OH-LO-217.0000-SC 871 FT. 52.8 RODS	4955+06	OH-LO-219.0000-SC 845 FT. 51.2 RODS	4963+51	OH-LO-224.0000-SC 649 FT. 39.3 RODS	4970+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4922+83 ROAD CENTERLINE (SCALED)
STA. 4925+52 PI = 211°12'05" RT
STA. 4927+81 GAS PL
STA. 4928+92 PI = 31°14'09" LT
STA. 4930+44 TOP BANK
STA. 4930+50 DITCH DEPTH 0.5 FT. CENTERLINE
STA. 4930+57 TOP BANK
STA. 4933+21 PI = 31°45'40" LT
STA. 4938+56 POWERLINE
STA. 4938+60 UNDERGROUND TELEPHONE
STA. 4938+67 TOP BANK
STA. 4938+69 DITCH DEPTH 0 FT. CENTERLINE
STA. 4938+75 TOP BANK
STA. 4938+79 ROAD EDGE
STA. 4938+88 PAVED QUARRY RD CENTERLINE
STA. 4939+00 TOP BANK
STA. 4939+07 DITCH DEPTH 0 FT. CENTERLINE
STA. 4939+10 TOP BANK
STA. 4940+40 GAS PL
STA. 4943+11 PI = 13°39'24" RT
STA. 4960+12 PI = 07°28'50" LT
STA. 4963+88 MUNICIPALITY LINE

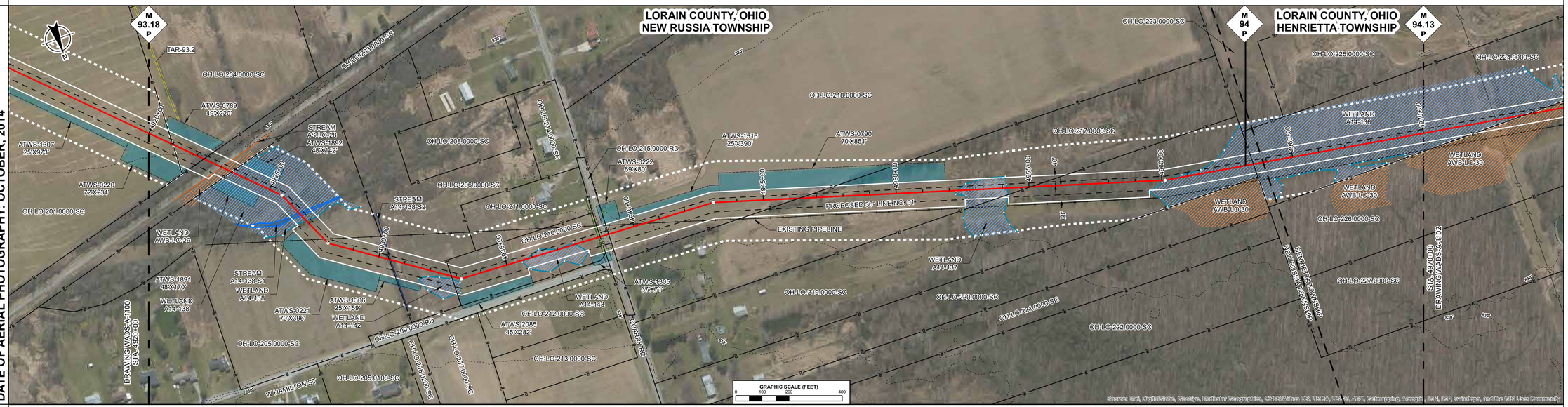
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4922+91 WETLAND AWB-LO-29 ENTER
STA. 4922+95 WETLAND A14-138 EXIT
STA. 4923+03 CENTERLINE OF STREAM AS-LO-28 TRIB TO PLUM CREEK
STA. 4923+97 WETLAND AWB-LO-29 EXIT
STA. 4926+32 STREAM TRIB TO PLUM CREEK A14-138-S1 ENTER
STA. 4926+44 WETLAND A14-138 ENTER
STA. 4926+60 WETLAND A14-138 EXIT
STA. 4926+71 STREAM TRIB TO PLUM CREEK A14-138-S1 EXIT
STA. 4927+01 WETLAND A14-138 EXIT
STA. 4930+47 CENTERLINE OF STREAM A14-138-S2 TRIB TO PLUM CREEK
STA. 4931+64 WETLAND A14-142 ENTER
STA. 4933+21 WETLAND A14-142 EXIT
STA. 4935+59 WETLAND A14-143 ENTER
STA. 4938+09 WETLAND A14-143 EXIT
STA. 4952+23 WETLAND A14-137 ENTER
STA. 4954+22 WETLAND A14-137 EXIT
STA. 4959+64 WETLAND A14-136 ENTER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

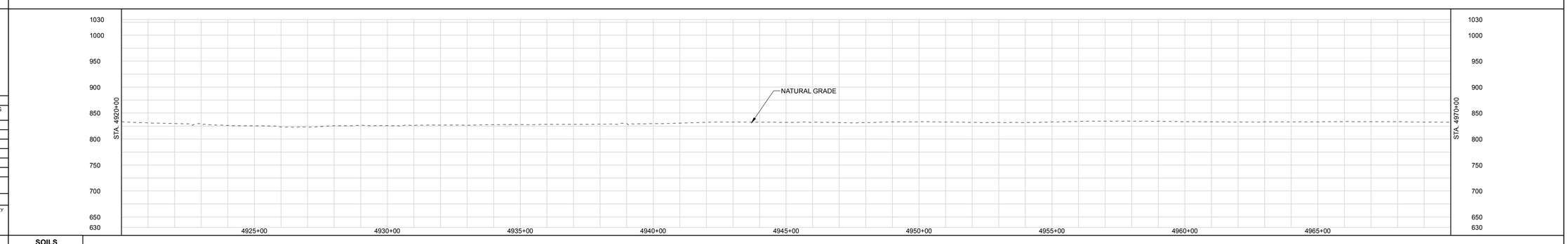
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 93.18 to M.P. 94.13
STA. 4920+00 to STA. 4970+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1101	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DIG.#

P:\205_UPSTREAM_PIPELINE\205K_GIS\TubeBuse\ NEXUS PROPOSED MAINLINE PIPELINE 101 of 266.pdf PLOT TIME: 2015-04-22 13:02:54

RIGHT-OF-WAY

TRACT NUMBERS

4970+00	OH-LO-224.0000-SC	4973+93	OH-LO-226.0000-SC	4982+07	OH-LO-228.0000-RD	4982+61	OH-LO-230.0000-SC	4987+42	OH-LO-231.0000-SC	4993+86	OH-LO-232.0000-SC	5001+37	OH-LO-233.0000-SC	5009+00	OH-LO-235.0000-SC	5010+58	OH-LO-236.0000-SC	5020+00
	393 FT. 23.8 RODS		814 FT. 49.3 RODS		54 FT. 3.3 RODS		481 FT. 29.2 RODS		644 FT. 39.0 RODS		751 FT. 45.5 RODS		763 FT. 46.2 RODS		158 FT. 9.6 RODS		942 FT. 57.1 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 4972+78 POWERLINE (ULDAR)
STA. 4982+11 BAUMHART RD (SCALED) CENTERLINE
STA. 4993+85 FENCE
STA. 4999+31 PI – 08°43'25" LT
STA. 5001+39 DRIVEWAY
STA. 5001+42 DRIVEWAY CENTERLINE
STA. 5001+45 DRIVEWAY

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
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- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
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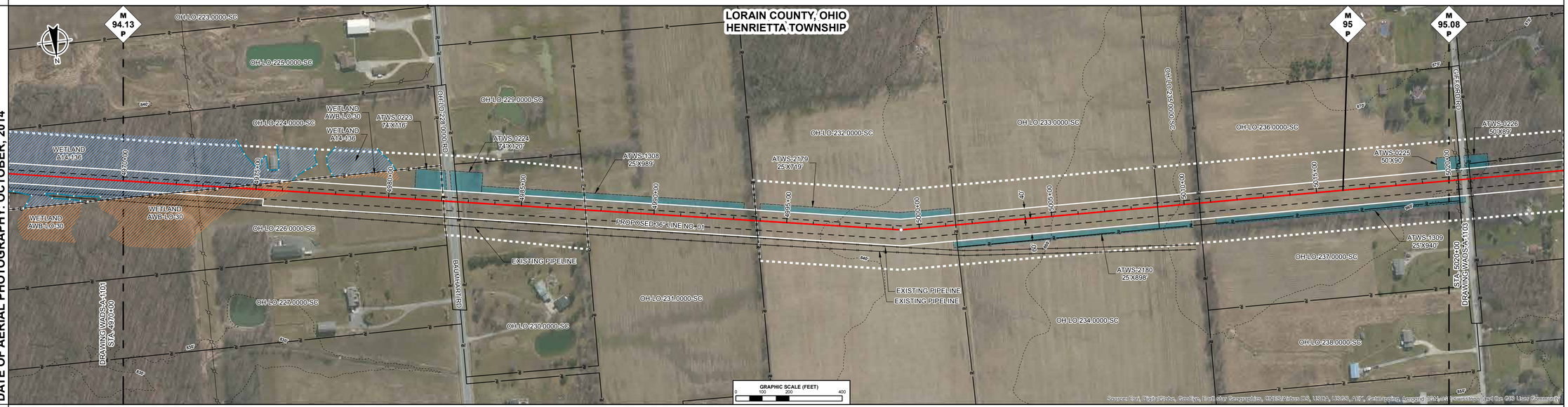
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 4970+00 WETLAND A14-136 ENTER
STA. 4971+82 WETLAND AWB-LO-30 ENTER
STA. 4979+91 WETLAND AWB-LO-30 EXIT
STA. 4976+33 WETLAND A14-136 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

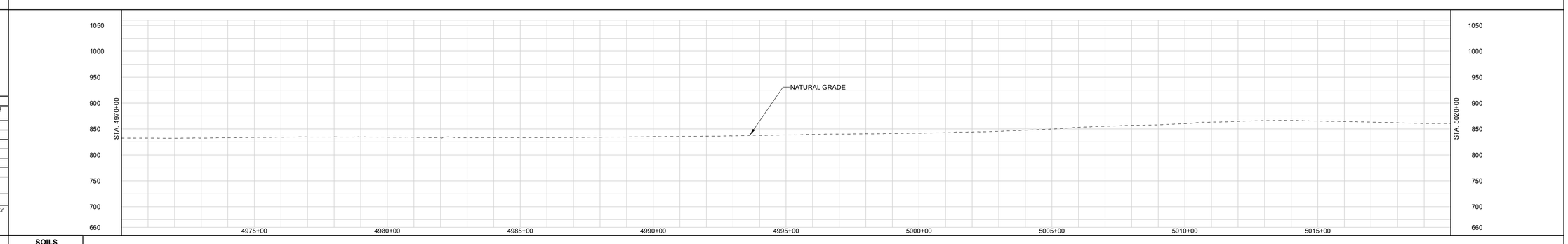
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 94.13 to M.P. 95.08
STA. 4970+00 to STA. 5020+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1102	REV. A

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RIGHT-OF-WAY

TRACT NUMBERS

5020+00	OH-LO-236.0000-SC 36 FT. 2.2 RODS	5020+36	OH-LO-239.0000-RD 44 FT. 2.7 RODS	5020+80	OH-LO-240.0000-SC 788 FT. 47.8 RODS	5028+68	OH-LO-242.0000-SC 1102 FT. 66.8 RODS	5039+70	OH-LO-244.0000-SC 1697 FT. 102.8 RODS	5055+67	OH-LO-246.0000-RD 53 FT. 3.2 RODS	5057+20	OH-LO-249.0000-SC 1280 FT. 77.6 RODS	5070+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5020+33 POWERLINE, CLEARANCE 20 FT.
STA. 5020+41 DITCH, DEPTH 0 FT, CENTERLINE
STA. 5020+48 ROAD EDGE
STA. 5020+56 PAVED, CENTERLINE
STA. 5020+66 ROAD EDGE
STA. 5020+69 DITCH, DEPTH 0 FT, CENTERLINE
STA. 5020+79 POWERLINE, CLEARANCE 15 FT.

STA. 5039+79 PI – 14°00'33" RT

STA. 5055+39 PI – 10°13'16" LT

STA. 5057+43 STATE ROUTE 511 (PAVED) CENTERLINE

STA. 5061+36 PI – 15°43'21" RT

STA. 5068+30 PI – 15°25'50" LT

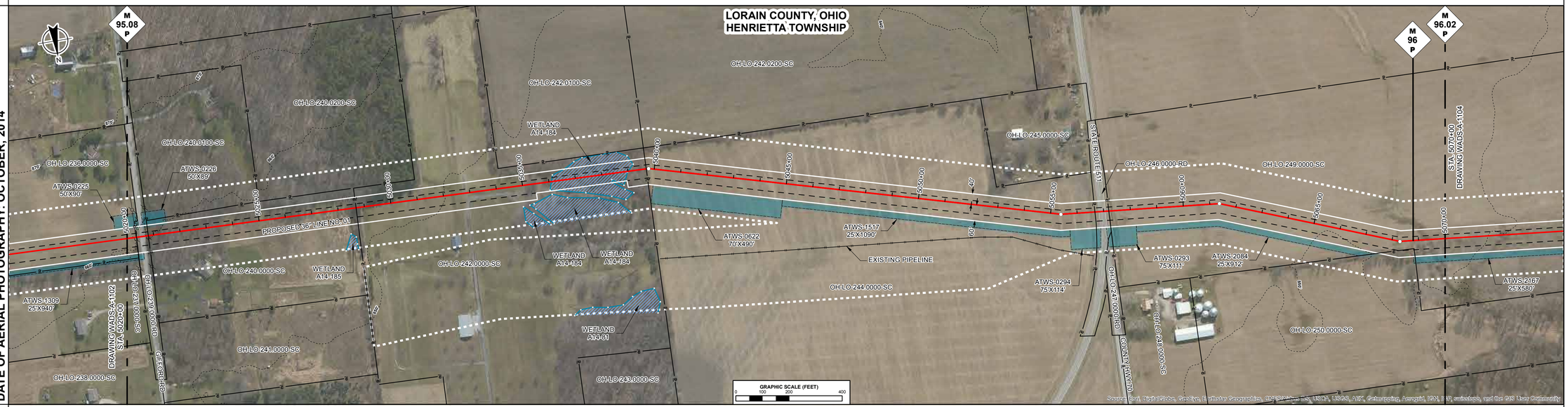
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD — PAR-0.0
TEMPORARY ACCESS ROAD — TAR-0.0
PARCEL TRACT NO — OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE — FIRE HYDRANT
WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5038+01 WETLAND A14-184 ENTER

STA. 5039+23 WETLAND A14-184 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

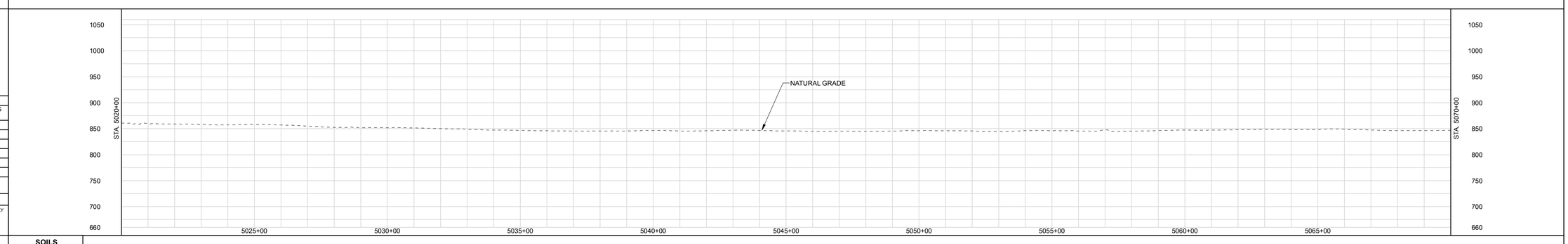
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

REV	DSN	CK	DESCRIPTION
A			ISSUED FOR FERC

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 95.08 to M.P. 96.02
STA. 5020+00 to STA. 5070+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1103 | REV. A

IG.#

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RIGHT-OF-WAY

TRACT NUMBERS

5070+00 — OH-LO-249.0000-SC — 887 FT. — 53.8 RODS — 5078+87
5078+87 — OH-LO-251.0000-SC — 889 FT. — 53.9 RODS — 5087+76
5087+76 — OH-LO-252.0000-SC — 1045 FT. — 63.3 RODS — 5098+21
5098+21 — OH-LO-258.0000-RD — 57 FT. — 3.5 RODS — 5098+78
5098+78 — OH-LO-253.0000-SC — 286 FT. — 17.3 RODS — 5101+67
5101+67 — OH-LO-254.0000-RD — 51 FT. — 3.1 RODS — 5102+18
5102+18 — OH-LO-256.0000-SC — 795 FT. — 48.2 RODS — 5110+13
5110+13 — OH-LO-256.0100-SC — 531 FT. — 32.2 RODS — 5115+44
5115+44 — OH-LO-256.0101-SC — 347 FT. — 21.0 RODS — 5118+91
5118+91 — OH-LO-256.0102-SC — 109 FT. — 6.6 RODS — 5120+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5087+43 PI = 29°32'47" RT

STA. 5095+42 PI = 17°18'47" RT

STA. 5098+09 POWERLINE, CLEARANCE 20 FT.
STA. 5098+18 DITCH, DEPTH 0.3 FT. CENTERLINE
STA. 5098+27 ROAD EDGE
STA. 5098+40 PAVED CR 181 CENTERLINE
STA. 5098+52 ROAD EDGE
STA. 5098+61 DITCH, DEPTH 0.3 FT. CENTERLINE
STA. 5098+72 POWERLINE, CLEARANCE 20 FT.
STA. 5098+73 ABOVEGROUND TELEPHONE
STA. 5098+90 POWERLINE, CLEARANCE 20 FT.
STA. 5101+46 DITCH, DEPTH 0 FT. CENTERLINE
STA. 5101+59 ROAD EDGE
STA. 5101+72 PAVED BEARD RD CENTERLINE
STA. 5101+89 ROAD EDGE
STA. 5101+97 DITCH, DEPTH 0 FT. CENTERLINE
STA. 5102+13 POWERLINE, CLEARANCE 20 FT.
STA. 5107+40 GAS PL
STA. 5107+77 GAS PL

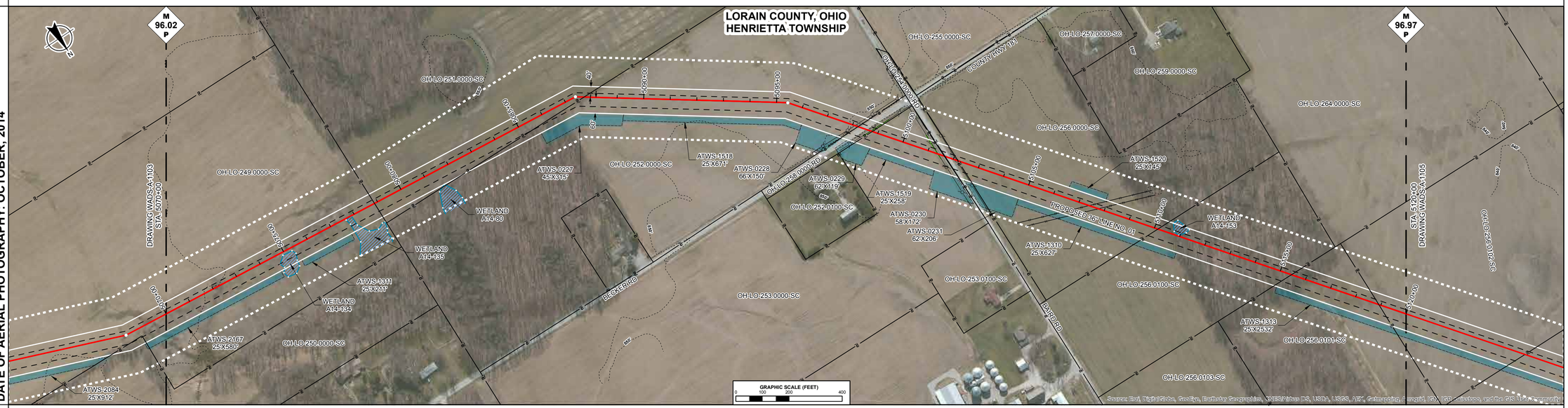
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5074+66 WETLAND A14-134 ENTER
STA. 5075+39 WETLAND A14-134 EXIT

STA. 5077+64 WETLAND A14-135 ENTER
STA. 5078+05 WETLAND A14-135 EXIT

STA. 5081+53 WETLAND A14-80 ENTER
STA. 5081+54 WETLAND A14-80 EXIT

STA. 5110+61 WETLAND A14-153 ENTER
STA. 5111+26 WETLAND A14-153 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

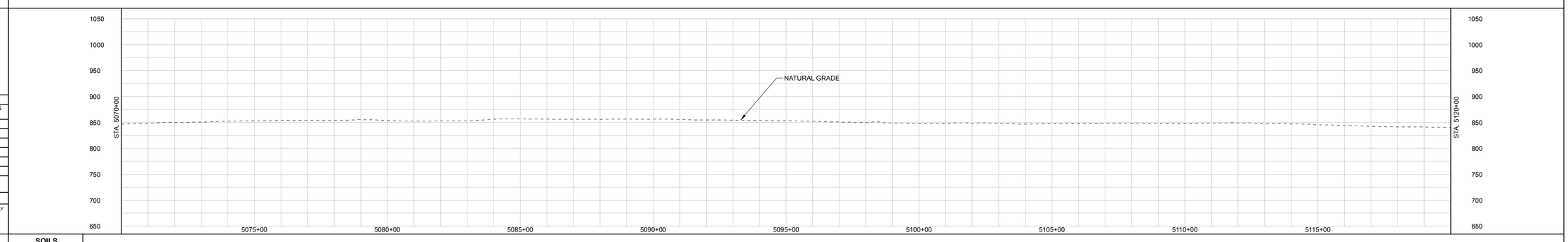
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 96.02 to M.P. 96.97
STA. 5070+00 to STA. 5120+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1104 | REV. A

P:\205_UPSTREAM_PIPELINE\299K_CSI\TurdoRoute\ NEXUS PROPOSED MAINLINE PIPELINE 194 of 266.pdf PLOT TIME: 2015-04-22 15:11:51

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

5120+00 | OH-LO-256.0102-SC 472 FT. 28.6 RODS | 5124+72 | OH-LO-256.0103-SC 732 FT. 44.4 RODS | 5132+04 | OH-LO-256.0105-SC 1654 FT. 100.2 RODS | 5148+58 | OH-LO-256.0105.01-RD 31 FT. 1.9 RODS | 5148+89 | OH-LO-256.0106-SC 346 FT. 21.0 RODS | 5152+35 | OH-LO-256.0107-SC 1765 FT. 107.0 RODS | 5170+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5128+39 PI – 48°59'25" LT.

STA. 5140+71 TOP BANK
STA. 5140+79 DRAIN, DEPTH 0 FT. CENTERLINE
STA. 5140+91 TOP BANK

STA. 5148+42 ABOVEGROUND TELEPHONE
STA. 5148+51 TOP BANK
STA. 5148+62 ROAD EDGE
STA. 5148+77 RED CORDON ORPHANAGE RD/CR 34 CENTERLINE
STA. 5148+81 ROAD EDGE
STA. 5148+88 DITCH, DEPTH 0 FT. CENTERLINE
STA. 5148+96 POWERLINE, CLEARANCE 29 FT.

STA. 5156+33 DRIVEWAY EDGE
STA. 5156+37 DRIVEWAY CENTERLINE
STA. 5156+41 DRIVEWAY EDGE

STA. 5164+07 DRIVEWAY EDGE
STA. 5164+11 DRIVEWAY CENTERLINE
STA. 5164+15 DRIVEWAY EDGE

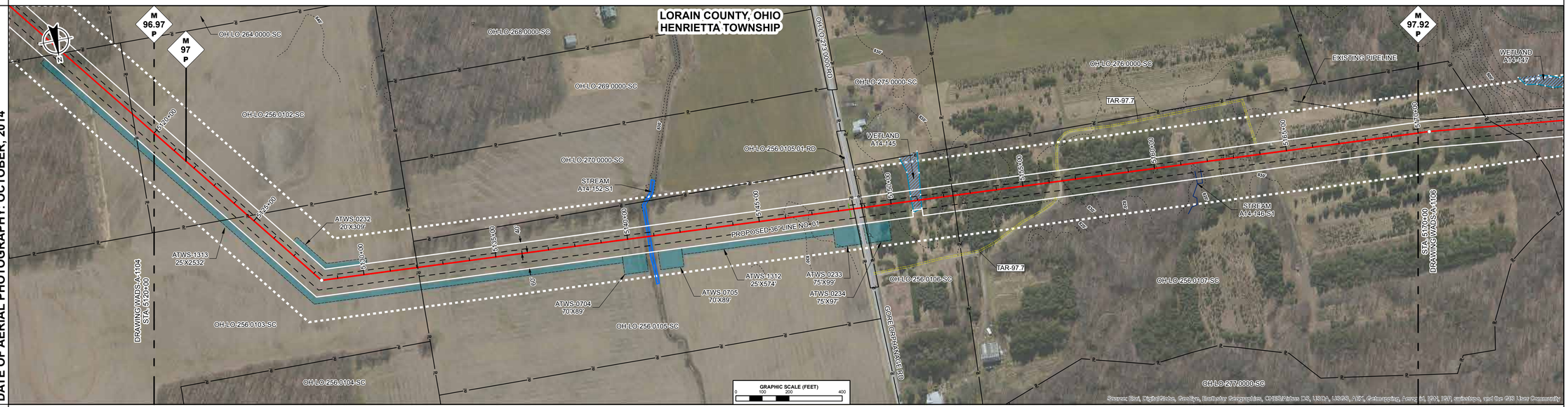
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD (PAR-0.0)
TEMPORARY ACCESS ROAD (TAR-0.0)
PARCEL TRACT NO (OH-CO-011.0000-SC)
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE
FIRE HYDRANT
WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5140+75 STREAM TRIB TO EAST FORK VERMILLION RIVER A14-152-S1 ENTER
STA. 5140+85 STREAM TRIB TO EAST FORK VERMILLION RIVER A14-152-S1 EXIT

STA. 5150+76 WETLAND A14-145 ENTER
STA. 5151+16 WETLAND A14-145 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

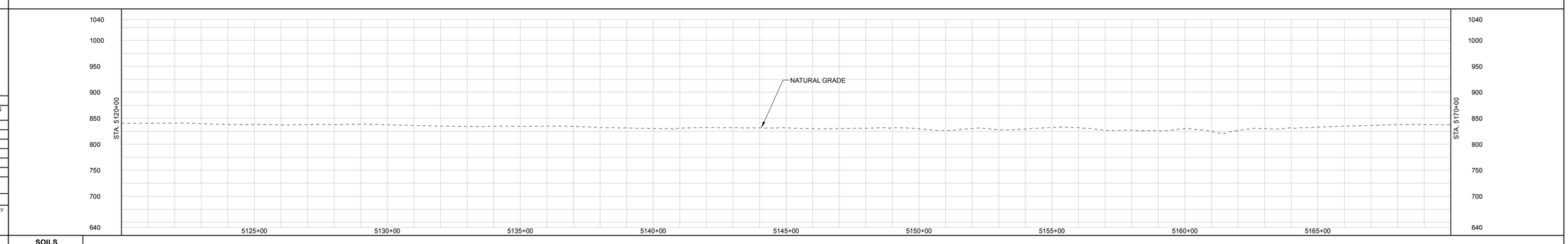
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 96.97 to M.P. 97.92
STA. 5120+00 to STA. 5170+00
ALIGNMENT SHEET

LOC. LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1105 | REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 105-of-266.pdf PLOT TIME: 2015-04-22 15:17:32

RIGHT-OF-WAY

TRACT NUMBERS

5170+00	OH-LO-256.0107-SC 304 FT. 18.4 RODS	5173+04	OH-LO-277.0000-SC 393 FT. 23.8 RODS	5176+97	OH-LO-277.0100-SC 723 FT. 43.8 RODS	5184+20	OH-LO-277.0102-RD 136 FT. 8.2 RODS	5185+56	OH-ER-001.0000-SC 1417 FT. 85.9 RODS	5199+73	OH-ER-002.0000-SC 1323 FT. 80.2 RODS	5212+96	OH-ER-002.0100-SC 704 FT. 42.7 RODS	5220+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5170+43 PI = 02°56'36" RT

STA. 5177+90 TOP BANK
STA. 5178+23 RIVER DEPTH 0.5 FT. CENTERLINE
STA. 5178+45 TOP BANK

STA. 5179+80 PI = 45°01'20" LT

STA. 5180+43 GAS PL
STA. 5180+80 GAS PL

STA. 5181+68 PI = 45°34'46" RT

STA. 5182+58 BUILDING, 123 FT. RIGHT

STA. 5184+37 ROAD (LIDAR) EDGE
STA. 5184+73 GREEN RD (SCALED) CENTERLINE
STA. 5185+57 MUNICIPALITY LINE

STA. 5187+97 PI = 03°38'15" LT

STA. 5199+69 PI = 00°08'36" RT

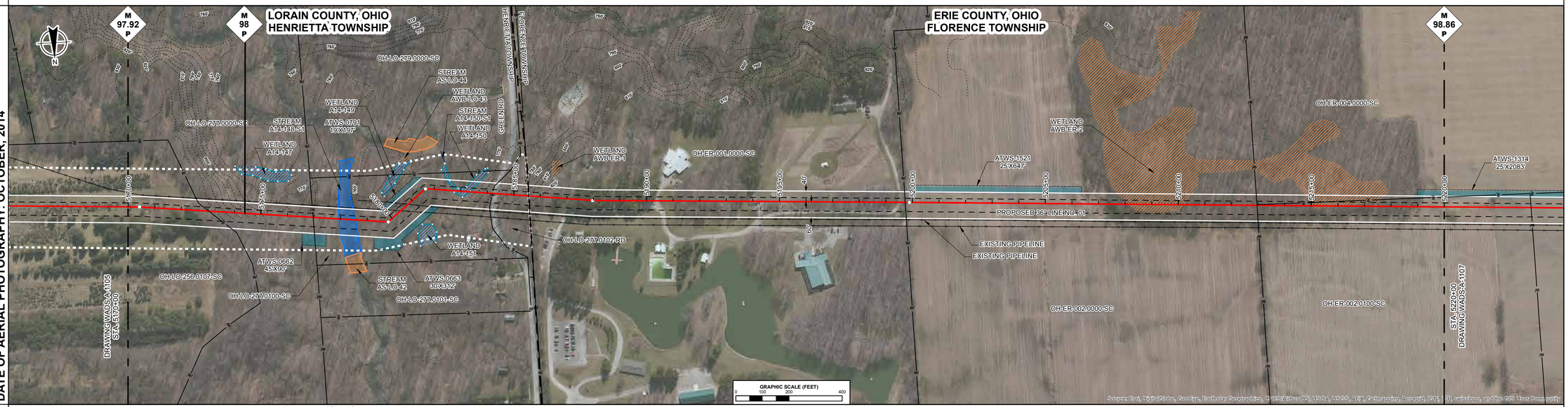
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5177+90 STREAM EAST FORK VERMILLION RIVER A14-148-S1 ENTER
STA. 5178+70 STREAM EAST FORK VERMILLION RIVER A14-148-S1 EXIT

STA. 5182+46 WETLAND A14-150 ENTER
STA. 5183+71 WETLAND A14-150 EXIT

STA. 5207+68 WETLAND AWB-ER-2 ENTER
STA. 5210+51 WETLAND AWB-ER-2 EXIT
STA. 5214+76 WETLAND AWB-ER-2 ENTER
STA. 5217+78 WETLAND AWB-ER-2 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

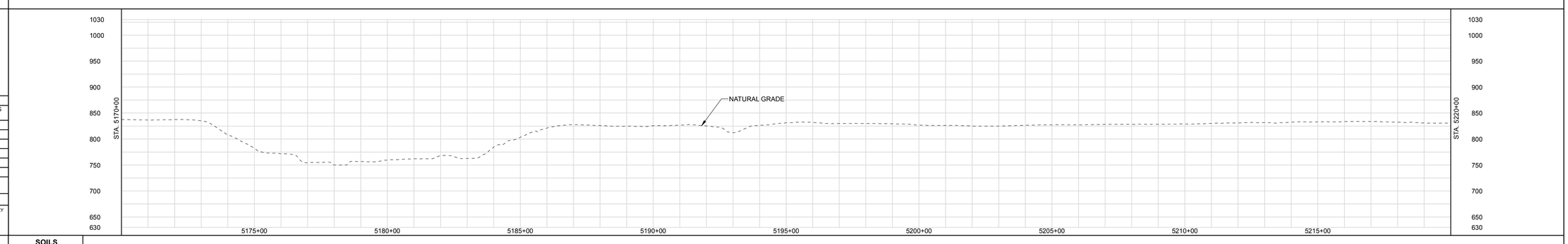
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 97.92 to M.P. 98.86
STA. 5170+00 to STA. 5220+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO AND LORAIN COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1106 | REV. A

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 106 of 266.pdf PLOT TIME: 2015-04-23 16:58:02

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

OH-ER-002.0100-SC	OH-ER-005.0000-SC	OH-ER-006.0000-RD	OH-ER-010.0000-SC	OH-ER-011.0000-SC	OH-ER-012.0000-SC	OH-ER-013.0000-SC
5220+00 – 5223+27	5223+27 – 5240+55	5240+55 – 5241+16	5241+16 – 5260+81	5260+81 – 5261+05	5261+05 – 5268+28	5268+28 – 5270+00
327 FT.	1728 FT.	60 FT.	1965 FT.	24 FT.	723 FT.	172 FT.
19.8 RODS	104.7 RODS	3.6 RODS	119.1 RODS	1.5 RODS	43.8 RODS	10.4 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5240+65 POWERLINE, CLEARANCE 5.7 FT.
STA. 5240+70 TOE BANK
STA. 5240+74 TOP BANK
STA. 5240+75 ROAD EDGE
STA. 5240+84 PAVED, BUTLER RD CENTERLINE
STA. 5240+94 ROAD EDGE
STA. 5240+95 TOP BANK
STA. 5241+03 TOE BANK
STA. 5241+08 POWERLINE, CLEARANCE 5.7 FT.

STA. 5246+95 PI – 46°28'10" RT
STA. 5247+95 GAS PL
STA. 5248+45 GAS PL
STA. 5249+76 PI – 46°25'30" LT

STA. 5262+38 ROAD EDGE
STA. 5262+67 PAVED, ORTNER AIRPORT CENTERLINE
STA. 5262+97 ROAD EDGE

STA. 5268+35 PI – 05°19'45" RT

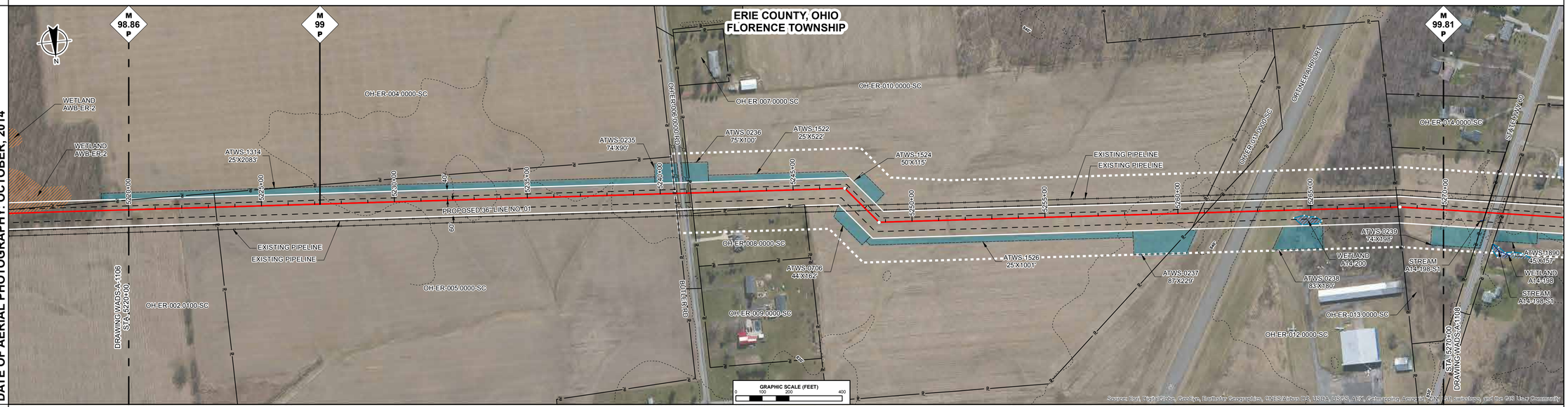
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5264+35 WETLAND A14-200 ENTER
STA. 5265+41 WETLAND A14-200 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

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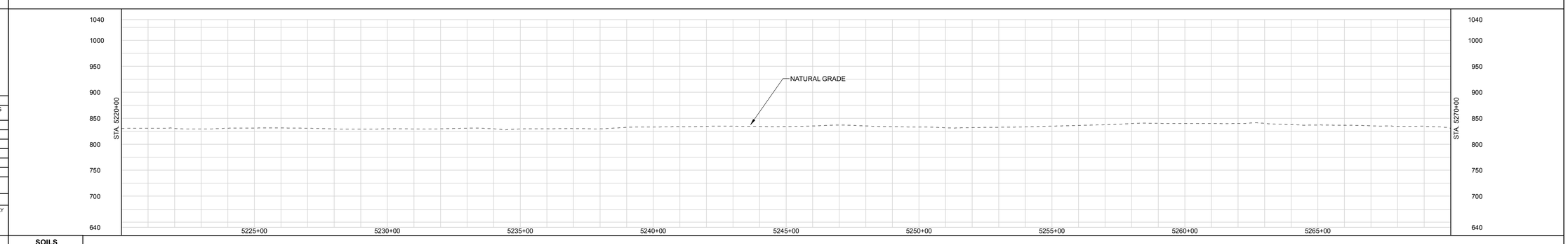


LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 98.86 to M.P. 99.81
STA. 5220+00 to STA. 5270+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1107	REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 107 of 266.pdf PLOT TIME: 2015-04-22 12:52:25

RIGHT-OF-WAY

TRACT NUMBERS

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

OH-ER-026.0000-SC	OH-ER-028.0000-SC	OH-ER-028.0100-SC	OH-ER-028.0200-SC	OH-ER-028.0300-SC	OH-ER-028.0400-SC	OH-ER-028.0400.01-SC
572 FT. / 34.7 RODS	941 FT. / 57.0 RODS	1321 FT. / 80.1 RODS	581 FT. / 35.2 RODS	1003 FT. / 60.8 RODS	443 FT. / 26.8 RODS	139 FT. / 8.4 RODS

5320+00 · 5325+72 · 5335+13 · 5348+34 · 5354+15 · 5364+18 · 5368+61 · 5370+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5320+33 POWERLINE (SCALED)
STA. 5325+91 FENCE
STA. 5342+11 TOP BANK
STA. 5342+27 TYPICAL DEPTH 1.0 FT. CENTERLINE
STA. 5342+36 TOP BANK
STA. 5354+27 FENCE
STA. 5360+07 PI = 31°31'16" LT

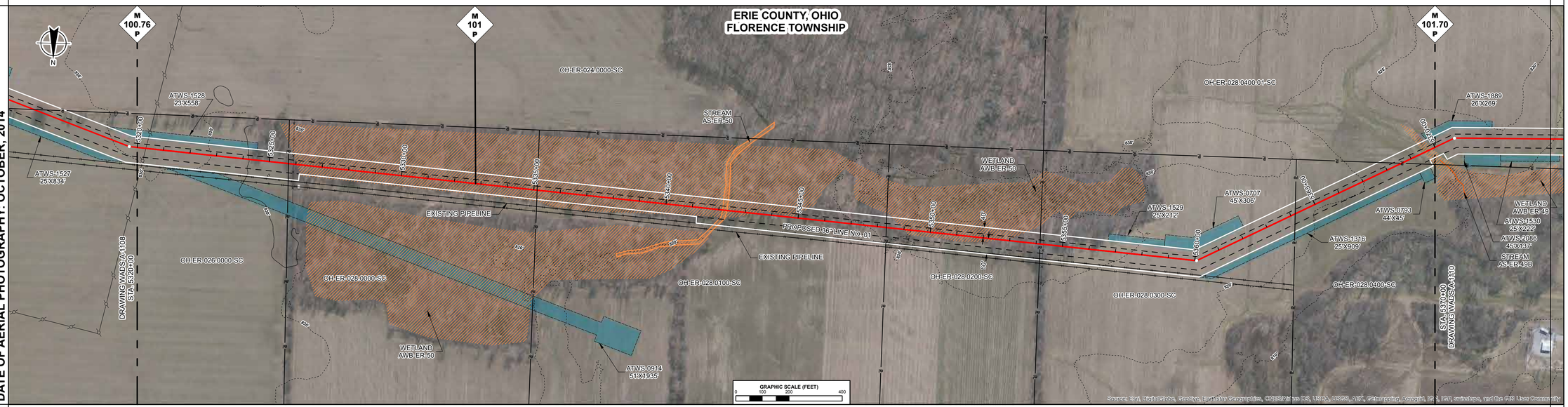
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE · FIRE HYDRANT
- WELL: GAS · WATER · OIL · OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5325+85 WETLAND AWB-ER-50 ENTER
STA. 5326+60 WETLAND AWB-ER-50 ENTER
STA. 5335+50 WETLAND AWB-ER-50 EXIT
STA. 5341+62 STREAM TRIB TO CHAPPEL CREEK-AS-ER-50 ENTER
STA. 5342+31 STREAM TRIB TO CHAPPEL CREEK-AS-ER-50 EXIT
STA. 5345+35 WETLAND AWB-ER-50 EXIT
STA. 5348+51 WETLAND AWB-ER-50 ENTER
STA. 5353+61 WETLAND AWB-ER-50 EXIT
STA. 5369+43 WETLAND AWB-ER-49 ENTER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

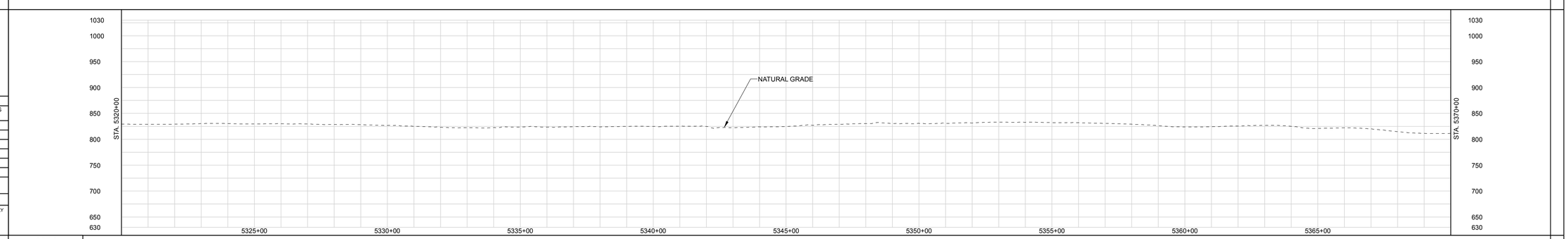
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

IG.#

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 100.76 to M.P. 101.70
STA. 5320+00 to STA. 5370+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1109	REV. A

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 101 of 266.pdf PLOT TIME: 2015-04-22 15:20:40

RIGHT-OF-WAY

TRACT NUMBERS

5370+00 | OH-ER-028.0400.01-SC: 962 FT. / 58.3 RODS | 5378+62 | OH-ER-028.0400-SC: 424 FT. / 25.7 RODS | 5383+86 | OH-ER-028.0600-RD: 64 FT. / 3.9 RODS | 5384+50 | OH-ER-028.0700-SC: 2808 FT. / 170.2 RODS | 5412+58 | OH-ER-028.0800-SC: 605 FT. / 36.7 RODS | 5418+63 | OH-ER-028.0900-SC: 137 FT. / 8.3 RODS | 5420+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5370+61 PI – 29°55'40" RT
STA. 5378+10 PI – 38°49'53" RT
STA. 5384+07 FLORENCE WAKEMAN RD (SCALED) CENTERLINE
STA. 5386+91 PI – 38°04'35" LT

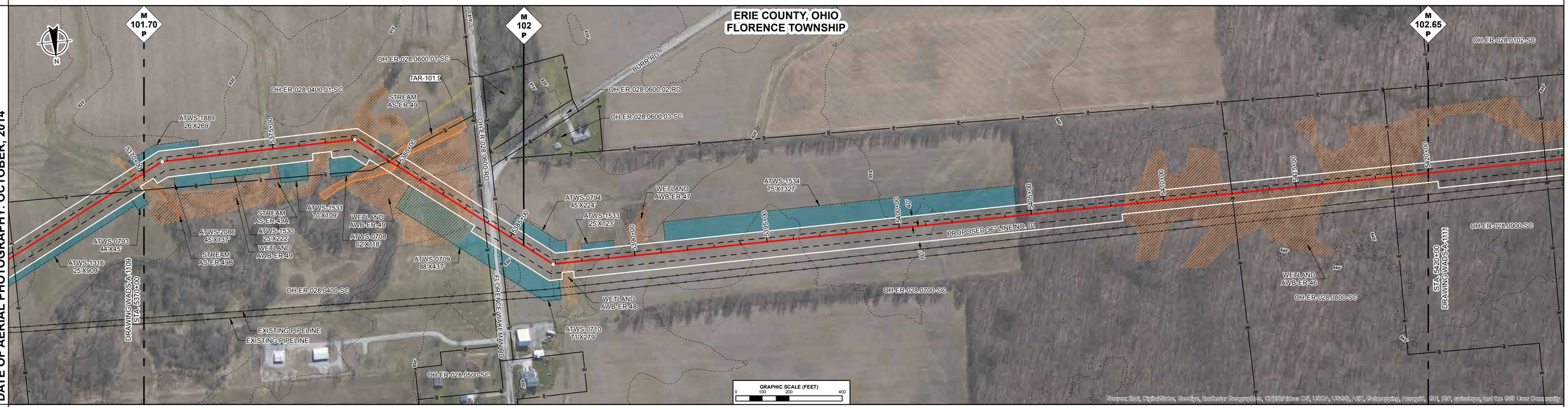
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5370+05 WETLAND AWB-ER-49 EXIT
STA. 5378+62 WETLAND AWB-ER-49 ENTER
STA. 5378+94 WETLAND AWB-ER-49 EXIT
STA. 5379+25 STREAM TRIB TO CHAPPEL CREEK AS-ER-49 ENTER
STA. 5379+60 WETLAND AWB-ER-49 ENTER
STA. 5380+03 STREAM TRIB TO CHAPPEL CREEK AS-ER-49 EXIT
STA. 5383+63 WETLAND AWB-ER-49 EXIT
STA. 5387+25 WETLAND AWB-ER-48 ENTER
STA. 5387+55 STREAM AS-ER-48 ENTER
STA. 5387+81 WETLAND AWB-ER-48 EXIT
STA. 5408+41 WETLAND AWB-ER-46 ENTER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

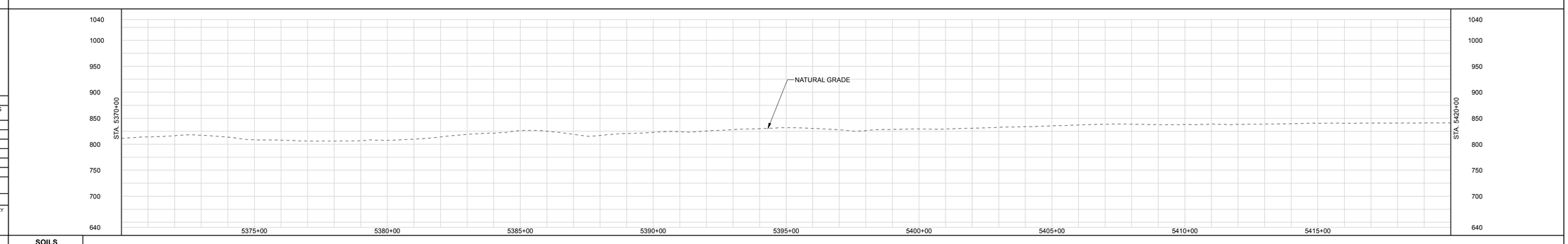
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 101.70 to M.P. 102.65
STA. 5370+00 to STA. 5420+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1110 | REV. A

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\ NEXUS PROPOSED MAINLINE PIPELINE 110 of 266.pdf - PLOT TIME: 2015-04-22 09:48:14

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

5420+00	OH-ER-028.0900-SC 443 FT. 26.8 RODS	5424+43	OH-ER-028.0101-SC 581 FT. 35.2 RODS	5430+24	OH-ER-028.0103-SC 927 FT. 56.2 RODS	5439+51	OH-ER-028.0105-SC 1386 FT. 84.0 RODS	5453+37	OH-ER-028.0106-SC 1577 FT. 95.6 RODS	5469+14	OH-ER-028.0108-RD 48 FT. 2.9 RODS	5469+62	OH-ER-028.0111-SC 38 FT. 2.3 RODS	5470+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5424+96 FENCE

STA. 5443+74 PI – 35°17'44" RT

STA. 5444+73 GAS PL
STA. 5445+05 GAS PL

STA. 5459+65 PI – 24°56'16" LT

STA. 5469+28 ROAD EDGE
STA. 5469+37 PAVED CABLE
RED POWERLINE
STA. 5469+40 MUNICIPALITY LINE
STA. 5469+49 ROAD EDGE
STA. 5469+53 FENCE
STA. 5469+65 POWERLINE. CLEARANCE 25 FT.

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
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- TEMPORARY ACCESS ROAD (TAR-0.0)
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- FENCE
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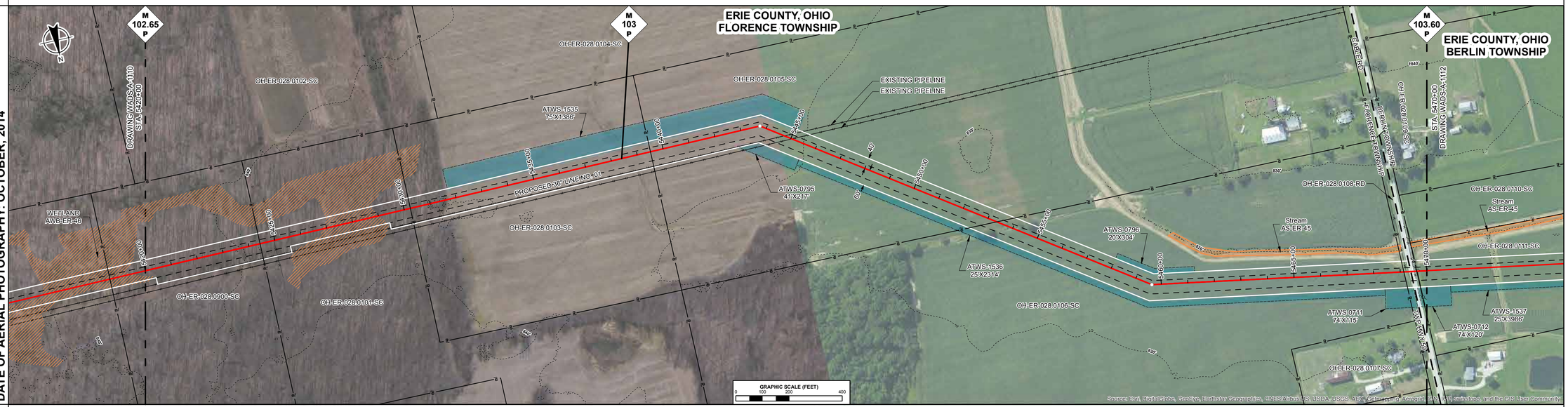
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5425+25 WETLAND AWB-ER-46 EXIT

STA. 5428+26 WETLAND AWB-ER-46 ENTER

STA. 5429+25 WETLAND AWB-ER-46 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

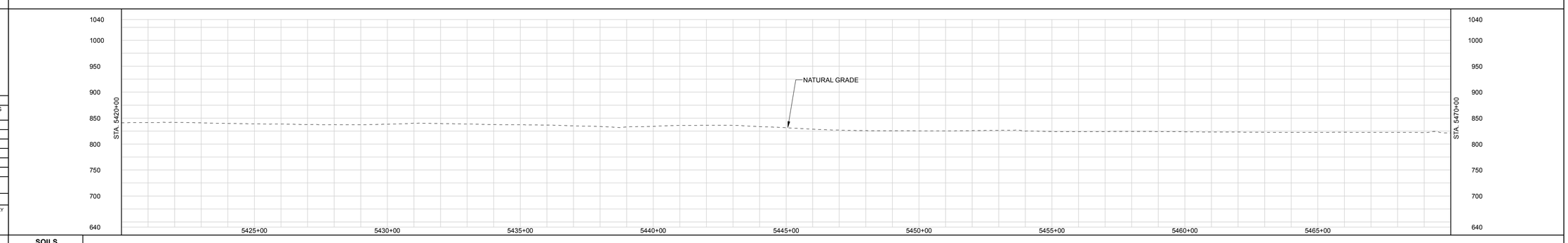
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 102.65 to M.P. 103.60
STA. 5420+00 to STA. 5470+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1111	REV. A

P:\205_UPSTREAM_PIPELINE\299K_OSS\TurboRouter\ NEXUS PROPOSED MAINLINE PIPELINE 111 of 286.pdf - PLOT TIME: 2015-04-22 10:32:12

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

5470+00 | OH-ER-028.0111-SC | 1010 FT. | 61.2 RODS | 5480+10 | OH-ER-028.0113-SC | 1180 FT. | 71.5 RODS | 5491+90 | OH-ER-028.0115-SC | 2132 FT. | 129.2 RODS | 5513+22 | OH-ER-028.0119-SC | 678 FT. | 41.1 RODS | 5520+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5482+72 PI – 22°20'36" RT
STA. 5491+75 PI – 31°20'21" LT
STA. 5512+54 PI – 45°04'31" RT
STA. 5514+58 PI – 42°34'55" RT

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
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- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
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- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
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- PROPERTY LINE
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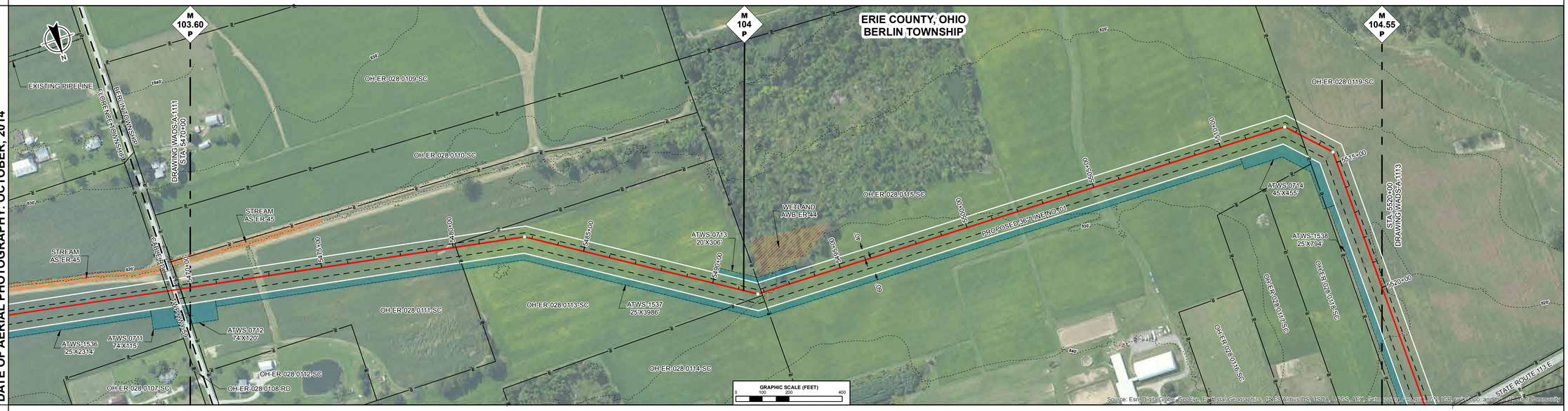
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
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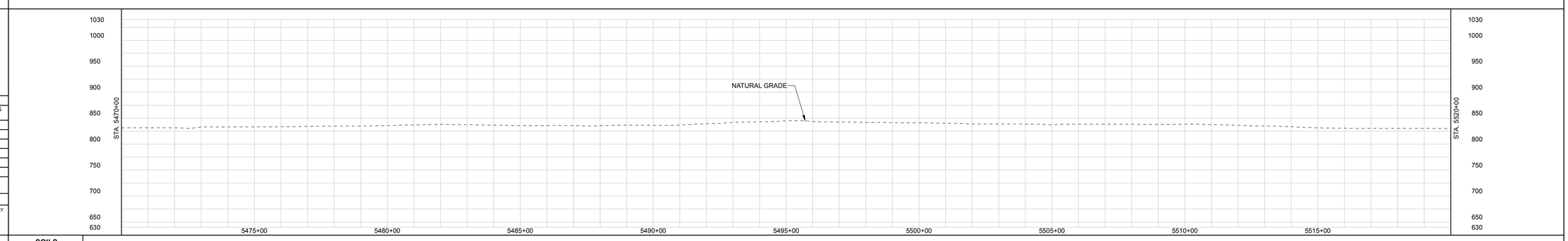
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 103.60 to M.P. 104.55
STA. 5470+00 to STA. 5520+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1112	REV. A

IG.#

P:\05_UPSTREAM_PIPELINE\250K_GIS\TrueRoute\NEXUS PROPOSED MAINLINE PIPELINE 112 of 266.pdf - PLOT TIME: 2015-04-22 15:26:02

RIGHT-OF-WAY

TRACT NUMBERS

5520+00	OH-ER-028.0119-SC 532 FT. 32.2 RODS	5525+32	OH-ER-054.0000-RD 60 FT. 3.6 RODS	5525+92	OH-ER-054.0200-SC 1677 FT. 101.6 RODS	5542+69	OH-ER-054.0300-SC 728 FT. 44.1 RODS	5549+97	OH-ER-054.0400-SC 665 FT. 40.3 RODS	5556+62	OH-ER-054.0500-SC 1069 FT. 64.8 RODS	5567+31	OH-ER-054.0600-SC 269 FT. 16.3 RODS	5570+00									

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5525+21 POWERLINE, CLEARANCE 27 FT.
STA. 5525+29 DITCH, DEPTH 0 FT. CENTERLINE
STA. 5525+37 ROAD EDGE
STA. 5525+50 PAVED SR 113 CENTERLINE
STA. 5525+83 ROAD EDGE
STA. 5526+71 DITCH, DEPTH 0 FT. CENTERLINE

STA. 5531+13 PI – 28°00'55" LT

STA. 5552+81 PI – 29°07'42" RT

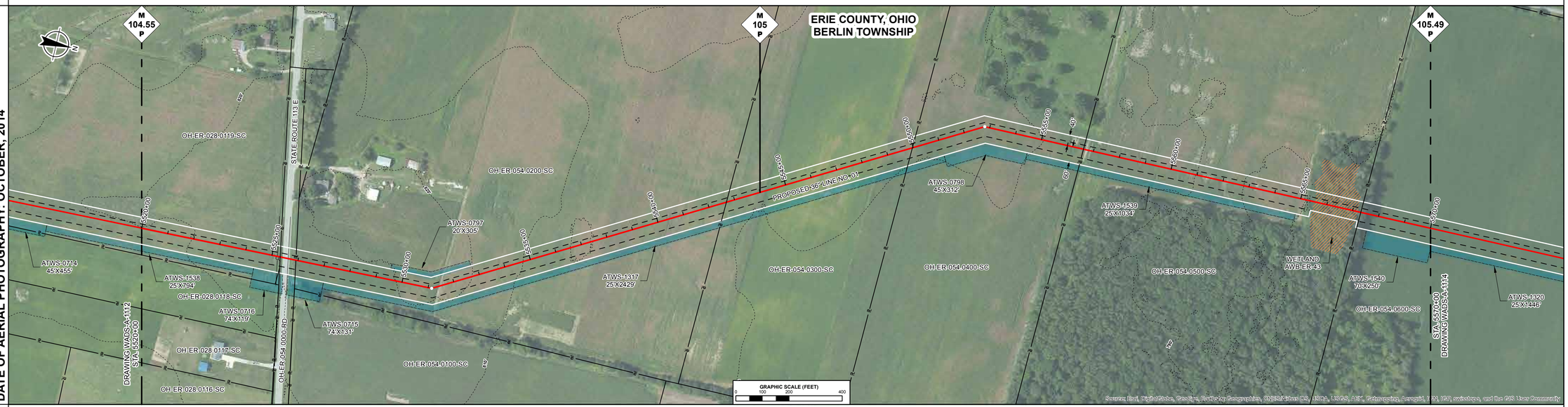
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5565+48 WETLAND AWB-ER-43 ENTER

STA. 5567+19 WETLAND AWB-ER-43 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

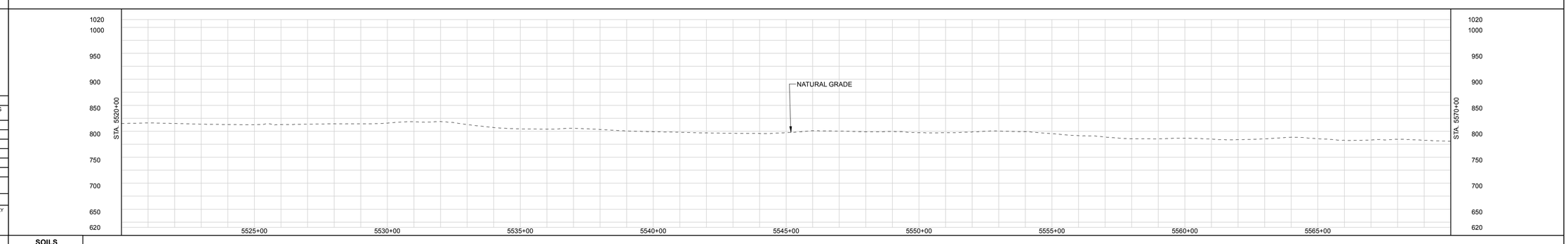
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 104.55 to M.P. 105.49
STA. 5520+00 to STA. 5570+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1113	REV. A

I.G.#

P:\205_UPSTREAM_PIPELINE\205K_OS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 113 of 266.pdf PLOT TIME: 2015-04-22 13:10:51

RIGHT-OF-WAY

TRACT NUMBERS

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

5620+00 | OH-ER-092.0000-SC | 868 FT. | 52.6 RODS | 5628+68
5628+68 | OH-ER-092.0100-SC | 878 FT. | 53.2 RODS | 5637+46
5637+46 | OH-ER-095.0100-SC | 179 FT. | 10.8 RODS | 5639+25
5639+25 | OH-ER-095.0101-SC | 1615 FT. | 97.9 RODS | 5655+39
5655+39 | OH-ER-095.0102-RD | 51 FT. | 3.1 RODS | 5655+90
5655+90 | OH-ER-095.0104-SC | 1376 FT. | 83.4 RODS | 5669+66
5669+66 | OH-ER-095.0105-SC | 34 FT. | 2.1 RODS | 5670+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5653+89 PI – 15°12'01" RT

STA. 5655+57 ROAD EDGE
STA. 5655+67 PAVED HUMM RD CENTERLINE
STA. 5655+77 ROAD EDGE
STA. 5655+90 POWERLINE CLEARANCE 30 FT.

STA. 5669+65 PI – 30°47'17" LT

STA. 5667+08 PI – 22°44'28" LT

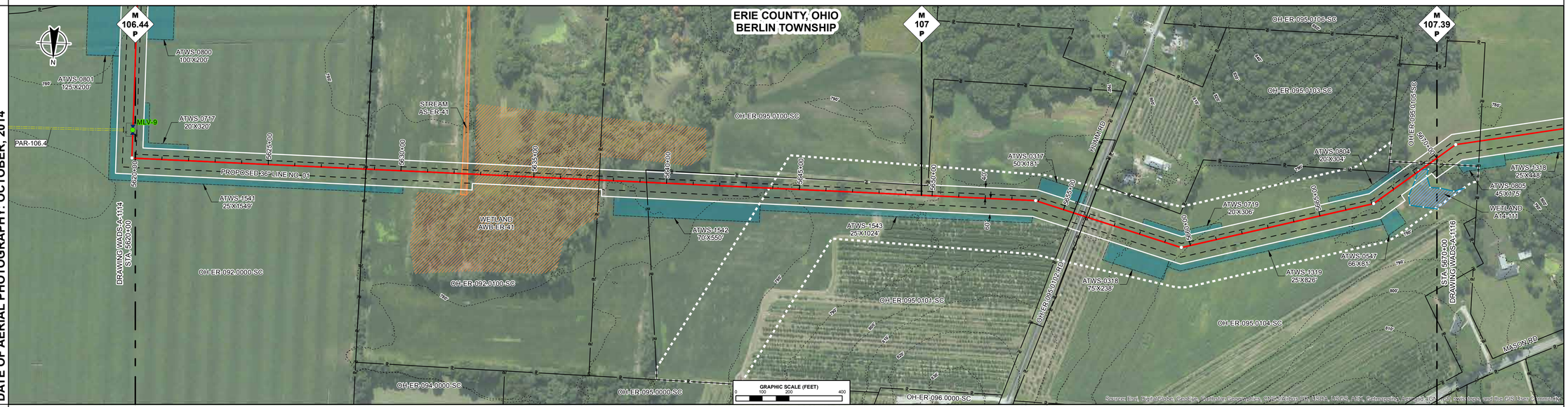
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5632+28 STREAM TRIB TO OLD WOMAN CREEK AS-ER-31 ENTER
STA. 5636+43 STREAM TRIB TO OLD WOMAN CREEK AS-ER-31 EXIT
STA. 5636+47 WETLAND AWB-ER-41 ENTER

STA. 5643+60 WETLAND AWB-ER-41 EXIT

STA. 5668+62 WETLAND A14-111 ENTER
STA. 5669+50 WETLAND A14-111 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

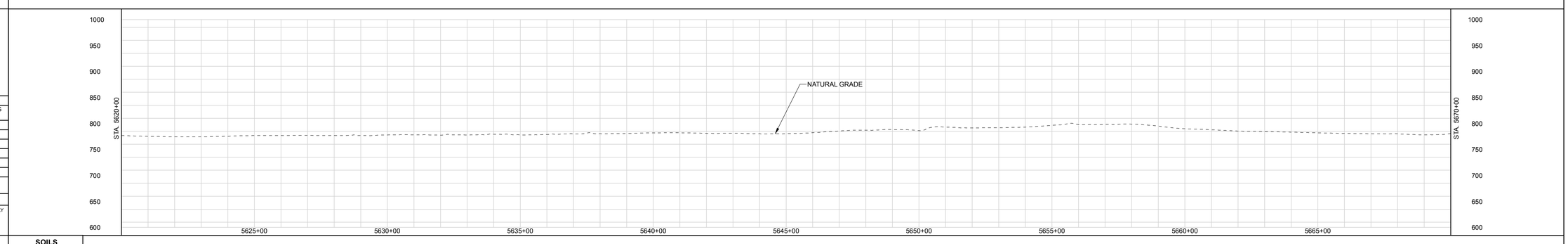
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 106.44 to M.P. 107.39
STA. 5620+00 to STA. 5670+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1115 | REV. A

I.G.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 115 of 266.pdf - PLOT TIME: 2015-04-22 10:06:49

RIGHT-OF-WAY

TRACT NUMBERS

5670+00 | OH-ER-095.0105-SC 179 FT. 10.8 RODS | 5671+79 | OH-ER-095.0108-SC 544 FT. 33.0 RODS | 5677+23 | OH-ER-095.0109-SC 735 FT. 44.5 RODS | 5684+58 | OH-ER-095.0110-SC 611 FT. 37.0 RODS | 5690+69 | OH-ER-095.0112-SC 276 FT. 16.7 RODS | 5693+45 | OH-ER-095.0115-SC 205 FT. 12.4 RODS | 5695+50 | OH-ER-095.0116-SC 101 FT. 6.1 RODS | 5696+51 | OH-ER-095.0117-SC 102 FT. 6.2 RODS | 5697+53 | OH-ER-095.0118-SC 109 FT. 6.6 RODS | 5698+62 | OH-ER-095.0121-SC 519 FT. 31.5 RODS | 5703+81 | OH-ER-095.0124-RD 62 FT. 3.8 RODS | 5704+43 | OH-ER-104.0000-SC 131 FT. 7.9 RODS | 5705+73 | OH-ER-104.0100-RD 117 FT. 7.1 RODS | 5706+90 | OH-ER-110.0000-SC 1310 FT. 79.4 RODS | 5720+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5670+48 PI – 27°11'47" RT
STA. 5677+52 FENCE
STA. 5680+18 FENCE
STA. 5684+14 FENCE
STA. 5688+24 PI – 111°21'35" RT
STA. 5693+47 PI – 10°30'05" RT
STA. 5697+78 PI – 18°47'03" RT
STA. 5702+10 PI – 18°21'02" RT
STA. 5704+00 ROAD EDGE
STA. 5704+13 PAVED, MASON ROAD CENTERLINE
STA. 5704+27 ROAD EDGE
STA. 5704+44 POWERLINE, CLEARANCE 25 FT.
STA. 5705+79 POWERLINE, CLEARANCE 29 FT.
STA. 5706+42 DITCH, DEPTH 0 FT. FROM ROAD EDGE
STA. 5706+08 ROAD EDGE
STA. 5706+24 PAVED, SR 161/ LAKE ST CENTERLINE
STA. 5706+42 ROAD EDGE
STA. 5706+58 DITCH, DEPTH 0 FT. FROM ROAD EDGE
STA. 5706+81 POWERLINE, CLEARANCE 20 FT.
STA. 5707+91 PI – 26°01'56" LT
STA. 5713+47 FENCE
STA. 5717+59 FENCE

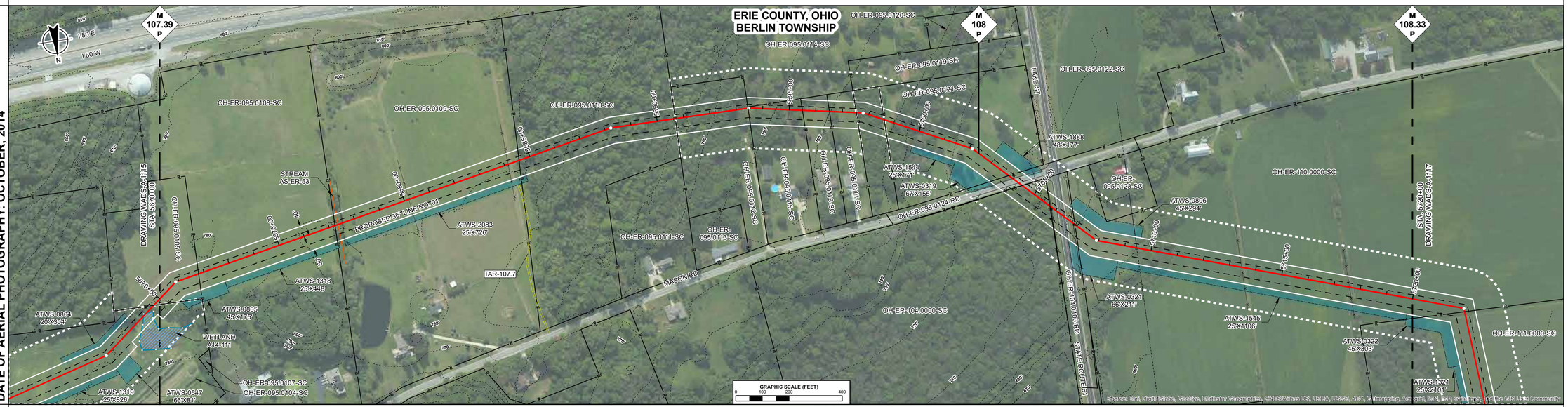
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD — PAR-0.0
TEMPORARY ACCESS ROAD — TAR-0.0
PARCEL TRACT NO — OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE — FIRE HYDRANT
WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5677+35 CENTERLINE OF STREAM AS-ER-53 TRIB TO OLD WOMAN CREEK

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

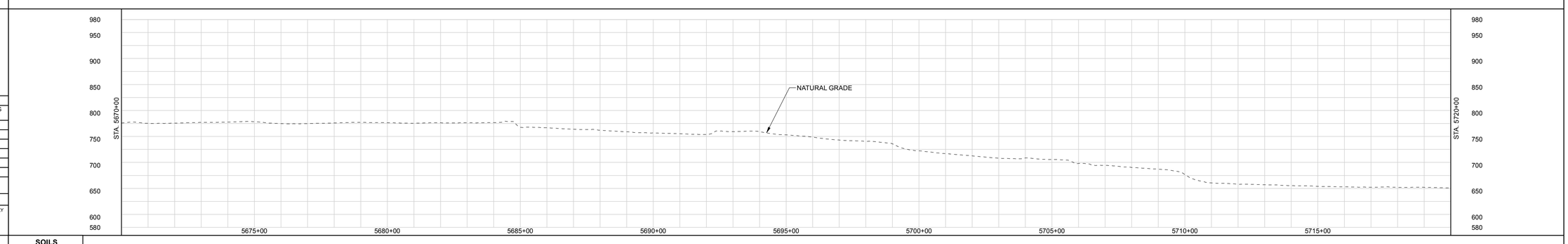
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 107.39 to M.P. 108.33
STA. 5670+00 to STA. 5720+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1116 | REV. A

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\ NEXUS PROPOSED MAINLINE PIPELINE 116 of 266.pdf PLOT TIME: 2015-04-22 12:55:26

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RIGHT-OF-WAY

TRACT NUMBERS

5720+00 | OH-ER-110.0000-SC 209 FT. 12.7 RODS | 5722+09 | OH-ER-111.0000-SC 2790 FT. 169.1 RODS | 5749+99 | OH-ER-113.0000-SC 722 FT. 43.8 RODS | 5757+21 | OH-ER-116.0000-RD 64 FT. 3.9 RODS | 5757+85 | OH-ER-119.0000-SC 1215 FT. 73.6 RODS | 5770+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5721+96 PI – 67°08'07" RT
STA. 5731+28 POWERLINE. CLEARANCE 60 FT.
STA. 5732+00 POWERLINE. CLEARANCE 45 FT.
STA. 5732+93 PI – 88°56'00" LT
STA. 5740+17 TOWER, 165 FT. LEFT
STA. 5750+16 TOWER, 165 FT. LEFT
STA. 5755+24 PI – 34°50'18" LT
STA. 5756+39 POWERLINE (1/1/08)
STA. 5757+35 ROAD EDGE
STA. 5757+48 PAVED, BERLIN RD (1/1/08)
STA. 5757+61 ROAD EDGE
STA. 5758+13 POWERLINE (6/24/13)
STA. 5758+84 PI – 32°07'13" LT
STA. 5759+59 PI – 68°56'45" RT
STA. 5760+37 FENCE
STA. 5760+91 TOWER, 110 FT. RIGHT
STA. 5761+55 FENCE
STA. 5761+54 TOP BANK
STA. 5761+72 CREEK, DEPTH 1.1 FT (7/22/14)
STA. 5762+29 TOP BANK
STA. 5762+32 FENCE
STA. 5764+38 FENCE

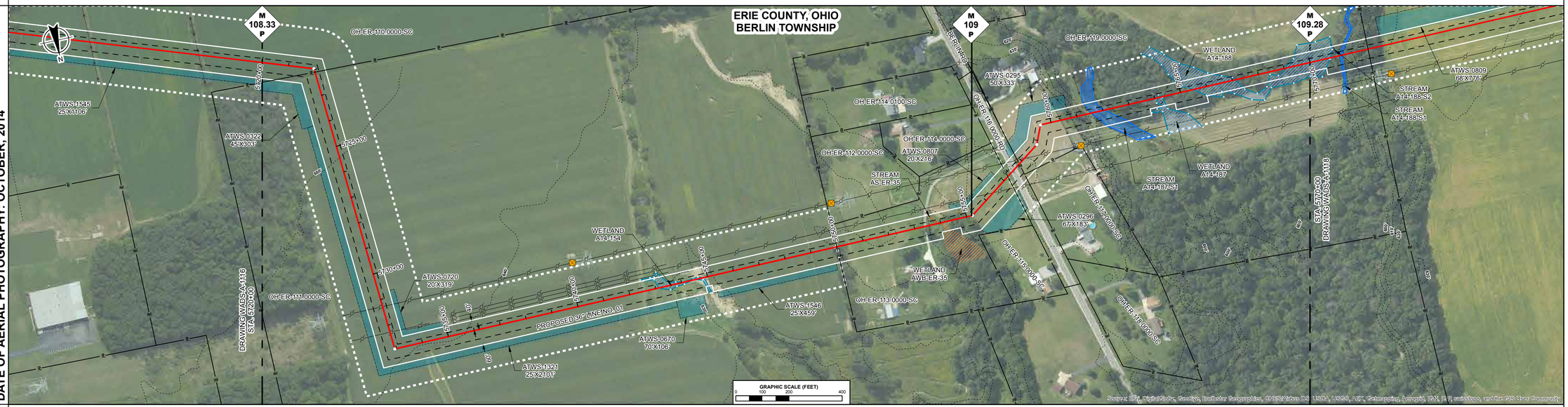
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5742+61 WETLAND A14-154 ENTER
STA. 5744+96 WETLAND A14-154 EXIT
STA. 5753+91 CENTERLINE OF STREAM AS-ER-35 TRIB TO OLD WOMAN CREEK
STA. 5754+06 WETLAND AWB-ER-35 ENTER
STA. 5754+24 WETLAND AWB-ER-35 EXIT
STA. 5761+38 STREAM OLD WOMAN CREEK A14-187-S1 ENTER
STA. 5762+91 STREAM OLD WOMAN CREEK A14-187-S1 EXIT
STA. 5764+03 WETLAND A14-187 ENTER
STA. 5764+07 WETLAND A14-187 EXIT
STA. 5764+93 WETLAND A14-188 ENTER
STA. 5767+33 WETLAND A14-188 EXIT
STA. 5768+31 WETLAND A14-188 ENTER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

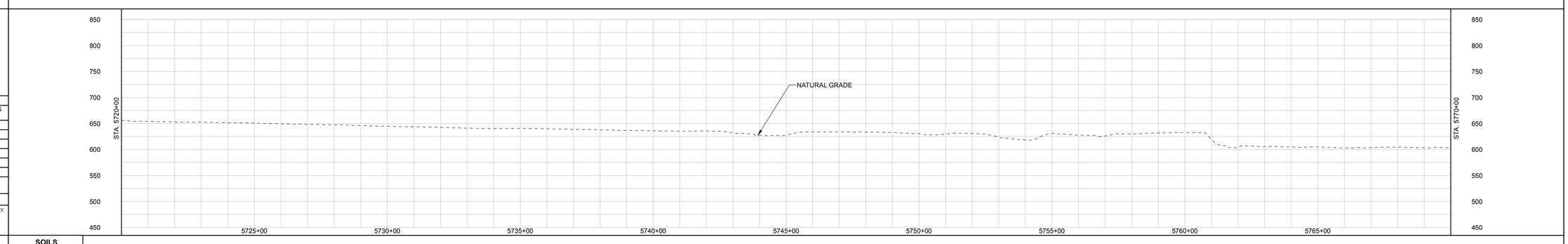
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 108.33 to M.P. 109.28
STA. 5720+00 to STA. 5770+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1117	REV. A

P:\205_UPSTREAM_PIPELINE\205K_OSS\Tudor\Bryan NEXUS PROPOSED MAINLINE PIPELINE 117 of 266.pdf PLOT TIME: 2015-04-22 13:08:52

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

5770+00 | OH-ER-119.0000-SC | 224 FT. | 13.6 RODS | 5772+24

OH-ER-120.0000-SC | 2323 FT. | 140.8 RODS

5795+47 | OH-ER-121.0000-RD | 40 FT. | 2.4 RODS | 5795+87

OH-ER-124.0000-SC | 1010 FT. | 61.2 RODS | 5805+97

OH-ER-125.0000-SC | 1403 FT. | 85.0 RODS | 5820+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5772+89 TOWER, 110 FT. RIGHT

STA. 5780+57 PI – 42°51'27" RT

STA. 5782+18 POWERLINE, CLEARANCE 45 FT.

STA. 5783+61 POWERLINE CLEARANCE 35 FT.
STA. 5783+71 TOWER, 142 FT. LEFT

STA. 5789+09 ROAD EDGE
STA. 5789+15 GRAVEL, NONE
STA. 5789+17 CENTERLINE
STA. 5789+22 ROAD EDGE
STA. 5790+35 PI – 41°57'33" LT

STA. 5795+63 TOP BANK
STA. 5795+65 TOE BANK
STA. 5795+71 TOP BANK
STA. 5795+72 ROAD EDGE
STA. 5795+81 PAVED, CHAPIN RD CENTERLINE
STA. 5795+91 ROAD EDGE
STA. 5795+93 TOP BANK
STA. 5795+98 TOE BANK
STA. 5796+01 TOP BANK

STA. 5807+50 PI – 19°12'08" LT

STA. 5817+87 PI – 20°19'03" RT

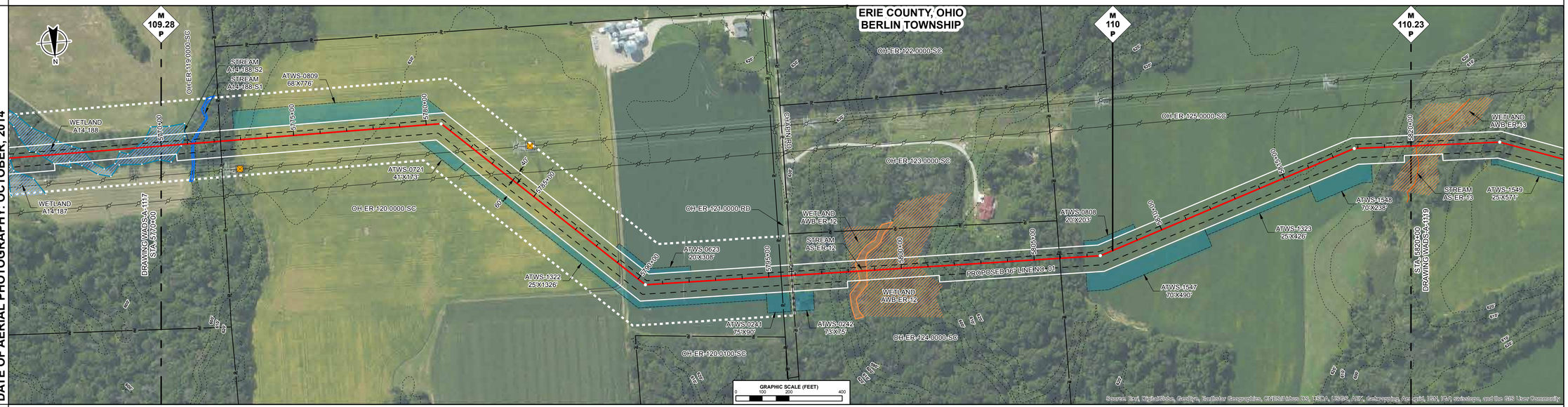
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5770+93 WETLAND A14-188 EXIT
STA. 5771+12 STREAM TRB TO OLD WOMAN CREEK A14-188-S1 ENTER
STA. 5771+47 STREAM TRB TO OLD WOMAN CREEK A14-188-S1 EXIT

STA. 5798+00 WETLAND AWB-ER-12 ENTER
STA. 5798+25 STREAM TRB TO OLD WOMAN CREEK AS-ER-12 ENTER
STA. 5798+42 WETLAND AWB-ER-12 EXIT
STA. 5798+68 WETLAND AWB-ER-12 ENTER
STA. 5798+69 STREAM TRB TO OLD WOMAN CREEK AS-ER-12 EXIT
STA. 5798+80 WETLAND AWB-ER-12 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

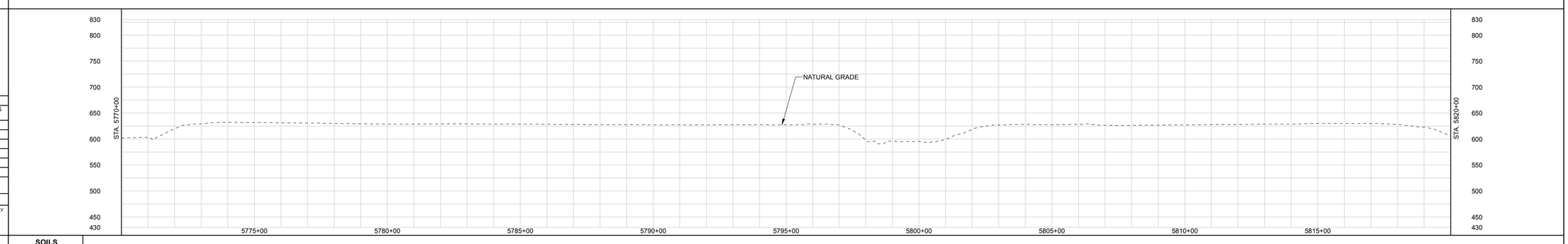
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 109.28 to M.P. 110.23
STA. 5770+00 to STA. 5820+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1118	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

FIG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 118 of 266.pdf PLOT TIME: 2015-04-22 09:50:25

RIGHT-OF-WAY

TRACT NUMBERS

5820+00 | OH-ER-125.0000-SC | 843 FT. | 51.1 RODS | 5828+43
5828+43 | OH-ER-126.0000-SC | 1074 FT. | 65.1 RODS | 5839+16
5839+16 | OH-ER-127.0000-RD | 54 FT. | 3.3 RODS | 5839+70
5839+70 | OH-ER-129.0000-SC | 1046 FT. | 63.4 RODS | 5850+16
5850+16 | OH-ER-130.0000-SC | 1038 FT. | 62.9 RODS | 5860+54
5860+54 | OH-ER-131.0000-RD | 50 FT. | 3.0 RODS | 5861+04
5861+04 | OH-ER-133.0000-SC | 707 FT. | 42.8 RODS | 5868+11
5868+11 | OH-ER-132.0000-SC | 189 FT. | 11.5 RODS | 5870+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5823+35 PI – 17°42'40" RT
STA. 5835+56 DRIVEWAY CENTERLINE (SCALED)
STA. 5839+29 ROAD EDGE
STA. 5839+40 PAVED - JEFFRIES RD CENTERLINE
STA. 5839+52 ROAD EDGE
STA. 5839+64 POWERLINE.
STA. 5840+53 PI – 28°34'00" LT
CLEARANCE: 18 FT.
STA. 5859+46 PI – 08°47'45" RT
STA. 5860+69 ROAD EDGE
STA. 5860+78 MUNICIPALITY LINE
STA. 5860+78 PAVED, WIKEL RD CENTERLINE
STA. 5860+89 ROAD EDGE
STA. 5865+23 PI – 13°09'45" LT

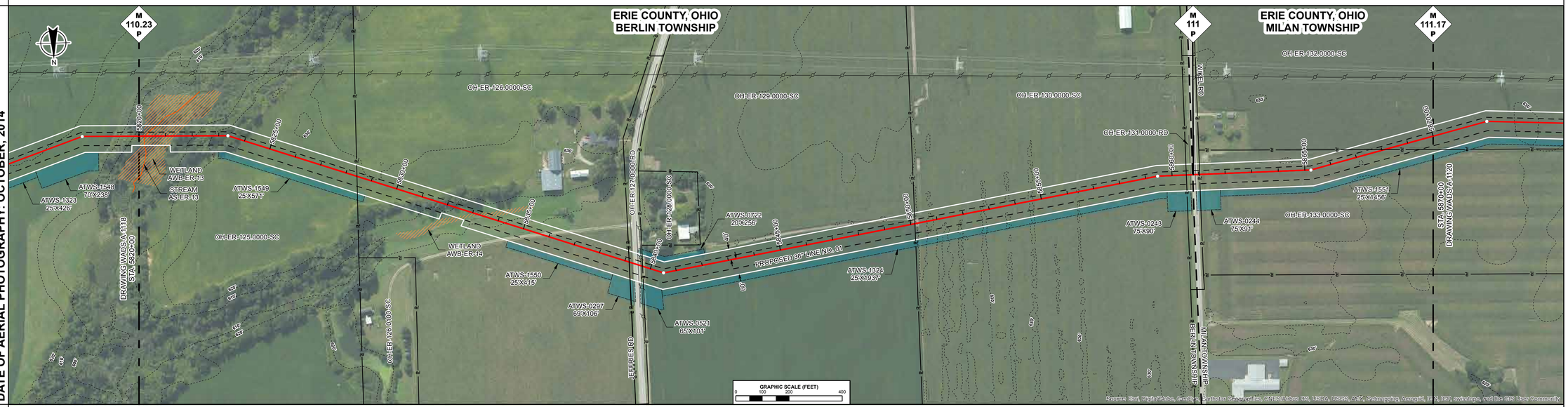
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5820+03 WETLAND AWB-ER-13 ENTER
STA. 5820+25 CENTERLINE OF STREAM AS-ER-13 TRIB TO OLD WOMAN CREEK
STA. 5821+77 WETLAND AWB-ER-13 EXIT
STA. 5832+38 WETLAND AWB-ER-14 ENTER
STA. 5834+37 WETLAND AWB-ER-14 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

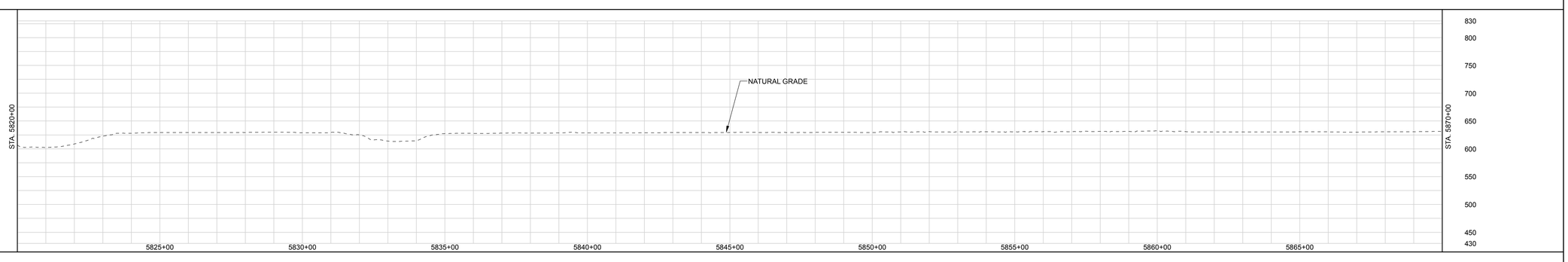
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:				
TITLE				

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 110.23 to M.P. 111.17
STA. 5820+00 to STA. 5870+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1119	REV. A

I.G.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 110 of 266.pdf PLOT TIME: 2015-04-22 10:34:57

RIGHT-OF-WAY

TRACT NUMBERS

5870+00 | OH-ER-132.0000-SC | 880 FT. | 53.3 RODS | 5878+80
5878+80 | OH-ER-134.0000-SC | 1207 FT. | 73.2 RODS | 5890+87
5890+87 | OH-ER-136.0000-SC | 1618 FT. | 98.1 RODS | 5907+05
5907+05 | OH-ER-137.0000-RR | 171 FT. | 10.4 RODS | 5908+76
5908+76 | OH-ER-142.0000-SC | 196 FT. | 11.9 RODS | 5910+74
5910+74 | OH-ER-138.0000-SC | 623 FT. | 37.8 RODS | 5916+97
5916+97 | OH-ER-139.0000-SC | 141 FT. | 8.5 RODS | 5918+38
5918+38 | OH-ER-142.0000-SC | 162 FT. | 9.8 RODS | 5920+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5872+09 PI – 16°52'01" RT

STA. 5880+32 TOP BANK
STA. 5880+34 DITCH, DEPTH 1.5 FT. CENTERLINE
STA. 5889+38 TOE BANK

STA. 5897+01 TOP BANK
STA. 5898+06 TOP BANK
STA. 5898+06 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 5898+44 TOP BANK
STA. 5899+39 TOE BANK
STA. 5900+58 TOP BANK

STA. 5907+59 RAILROAD TOE
STA. 5907+74 RAILROAD TOP
STA. 5907+74 RAILROAD CENTERLINE
STA. 5908+02 RAILROAD TOP
STA. 5908+30 RAILROAD TOE

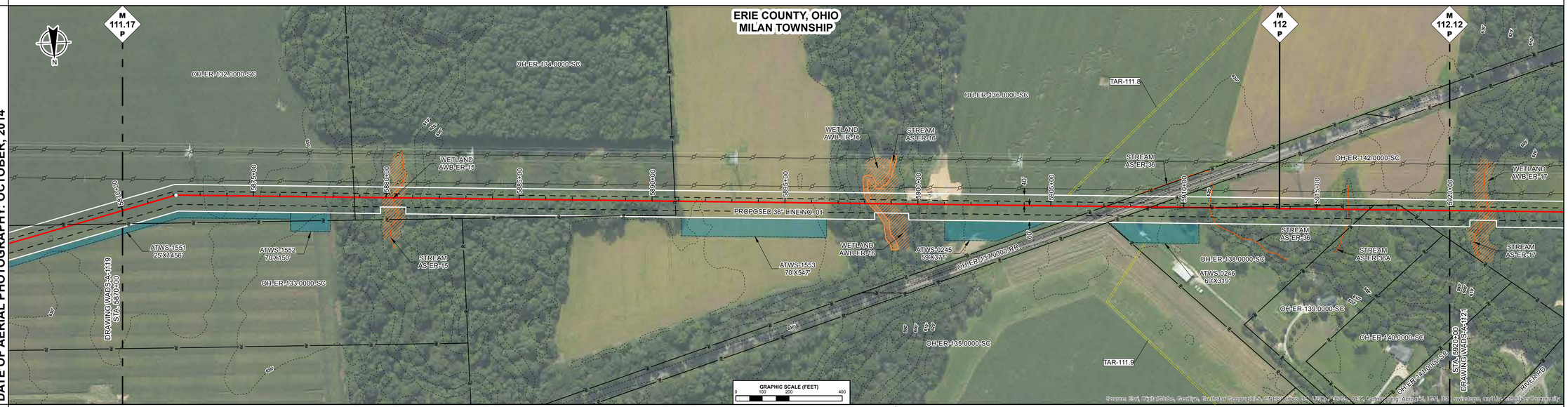
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5879+82 WETLAND AWB-ER-15 ENTER
STA. 5880+00 CENTERLINE OF STREAM AS-ER-15 TRIB TO HURON RIVER
STA. 5880+20 WETLAND AWB-ER-15 EXIT

STA. 5897+97 STREAM TRIB TO HURON RIVER AS-ER-16 ENTER
STA. 5898+16 WETLAND AWB-ER-16 ENTER
STA. 5898+47 STREAM TRIB TO HURON RIVER AS-ER-16 EXIT
STA. 5899+44 WETLAND AWB-ER-16 EXIT

STA. 5910+96 CENTERLINE OF STREAM AS-ER-36 TRIB TO HURON RIVER

STA. 5916+16 CENTERLINE OF STREAM AS-ER-36A TRIB TO HURON RIVER

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

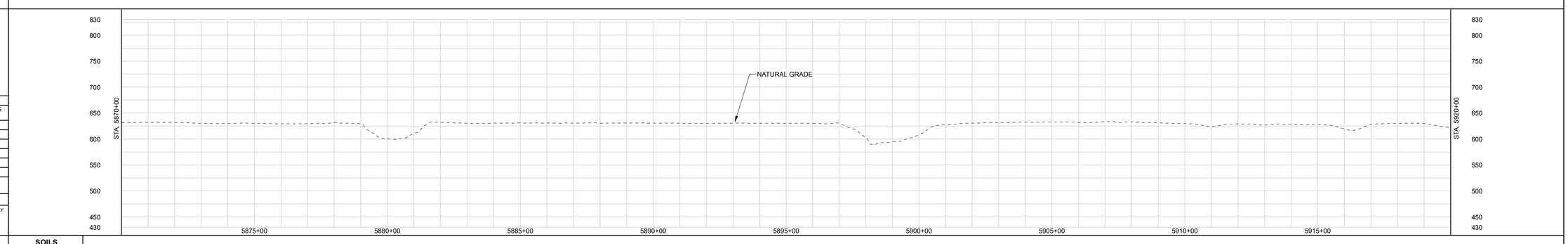
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 111.17 to M.P. 112.12
STA. 5870+00 to STA. 5920+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1120	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DWG. #

P:\205_UPSTREAM_PIPELINE\205K_OS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 120 of 266.pdf - PLOT TIME: 2015-04-22 13:12:58

RIGHT-OF-WAY

TRACT NUMBERS

5920+00 | OH-ER-142.0000-SC | 672 FT. | 40.7 RODS
5926+72 | OH-ER-143.0000-RD | 84 FT. | 5.1 RODS | 5927+56
OH-ER-144.0000-SC | 1090 FT. | 66.1 RODS
5938+46 | OH-ER-145.0000-SC | 91 FT. | 5.5 RODS | 5939+37
OH-ER-146.0000-SC | 359 FT. | 21.8 RODS | 5942+96
OH-ER-148.0000-SC | 568 FT. | 34.4 RODS
5948+64
OH-ER-149.0000-SC | 922 FT. | 55.9 RODS
5957+98
OH-ER-152.0000-SC | 249 FT. | 15.1 RODS | 5960+35
OH-ER-154.0000-SC | 965 FT. | 58.5 RODS
5970+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5924+75 PI – 00°36'46" RT
STA. 5926+96 ROAD EDGE
STA. 5927+08 PAVED, RIVER RD CENTERLINE
STA. 5927+20 ROAD EDGE
STA. 5934+59 TOWER, 165 FT. LEFT
STA. 5939+62 DITCH, DEPTH 0 FT. CENTERLINE
STA. 5938+66 RAILROAD TOE
STA. 5938+86 RAILROAD TOP
STA. 5938+97 RAILROAD CENTERLINE
STA. 5939+27 RAILROAD TOP
STA. 5939+42 RAILROAD TOE
STA. 5939+48 TOP BANK
STA. 5939+59 CREEK, DEPTH 1 FT. CENTERLINE
STA. 5939+68 TOP BANK
STA. 5939+95 TOE BANK
STA. 5945+31 PI – 00°00'55" RT
STA. 5945+31 TOWER, 165 FT. LEFT
STA. 5946+32 DRIVEWAY CENTERLINE
STA. 5946+37 DRIVEWAY CENTERLINE
STA. 5946+44 DRIVEWAY CENTERLINE
STA. 5947+57 POWERLINE, CLEARANCE 30 FT.
STA. 5953+02 HDD ENTRY
STA. 5955+10 TOWER, 165 FT. LEFT
STA. 5957+54 TOP BANK
STA. 5960+14 PI – 00°00'54" RT

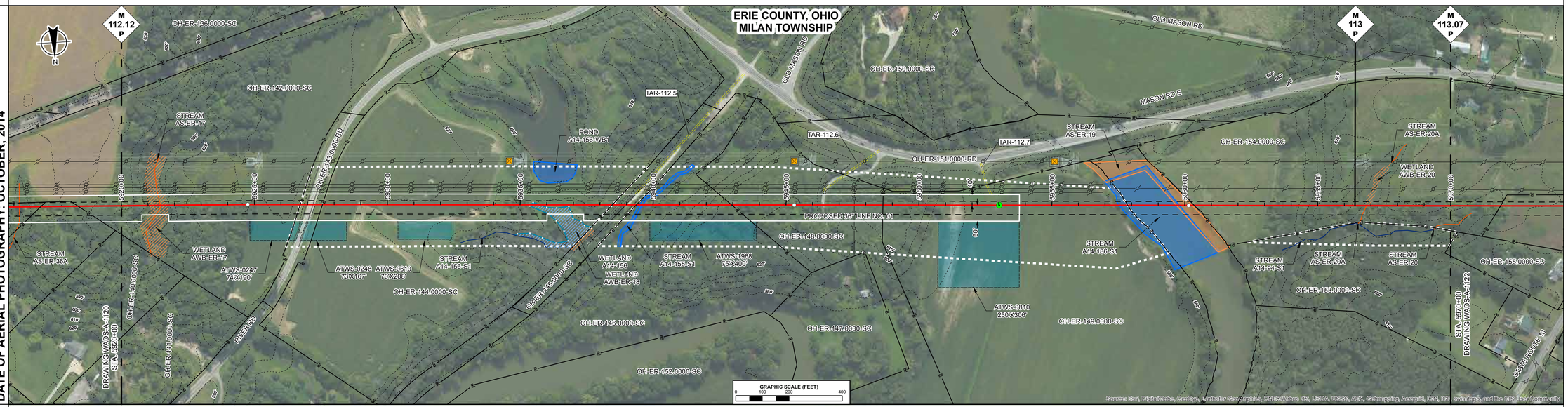
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5920+93 WETLAND AWB-ER-17 ENTER
STA. 5920+47 CENTERLINE OF STREAM AS-ER-17 TRIB TO HURON RIVER
STA. 5921+79 WETLAND AWB-ER-17 EXIT
STA. 5935+38 WETLAND A14-156 ENTER
STA. 5936+93 WETLAND A14-156 EXIT
STA. 5939+15 STREAM A14-155-S1 ENTER
STA. 5940+20 STREAM A14-155-S1 EXIT
STA. 5957+45 STREAM A14-186-S1 ENTER
STA. 5959+55 STREAM HURON RIVER AS-ER-19 ENTER
STA. 5959+90 STREAM A14-186-S1 EXIT
STA. 5960+62 STREAM HURON RIVER AS-ER-19 EXIT
STA. 5966+80 WETLAND AWB-ER-20 ENTER
STA. 5966+84 CENTERLINE OF STREAM AS-ER-20A TRIB TO HURON RIVER
STA. 5967+03 WETLAND AWB-ER-20 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

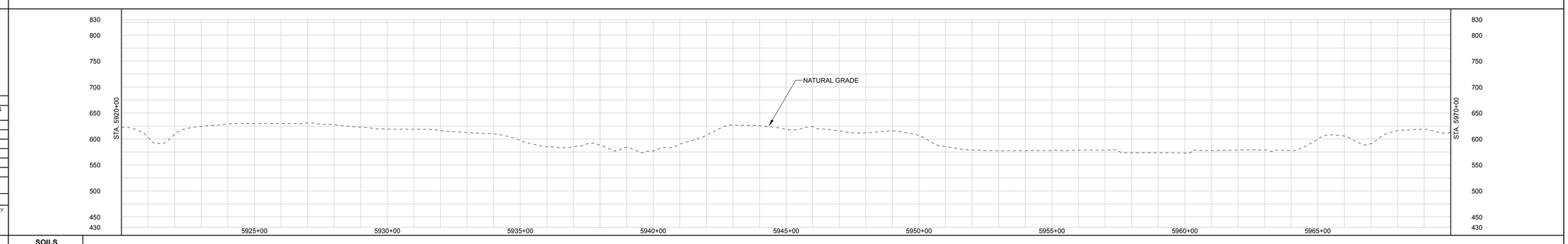
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 112.12 to M.P. 113.07
STA. 5920+00 to STA. 5970+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1121	REV. A

FIG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TulsoBrush NEXUS PROPOSED MAINLINE PIPELINE 121 of 266.pdf PLOT TIME: 2015-04-22 15:33:19

RIGHT-OF-WAY

TRACT NUMBERS

5970+00 | OH-ER-154.0000-SC: 187 FT. / 11.3 RODS | 5971+87
5976+19 | OH-ER-156.0000-SC: 432 FT. / 26.2 RODS | 5976+19
5977+38 | OH-ER-157.0000-RD: 119 FT. / 7.2 RODS | 5977+38
OH-ER-160.0000-SC: 2096 FT. / 127.0 RODS | 5998+34
OH-ER-161.0000-SC: 2166 FT. / 131.3 RODS | 6020+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 5975+62 PI - 04°04'00" LT
STA. 5976+60 ROAD EDGE
STA. 5976+76 PAVED SH 13 CENTERLINE
STA. 5976+92 ROAD EDGE
STA. 5980+60 HDD EXIT
STA. 5983+10 TOWER, 165 FT. LEFT
STA. 5992+89 TOWER, 165 FT. LEFT
STA. 6002+23 TOWER, 165 FT. LEFT
STA. 6011+98 TOWER, 165 FT. LEFT

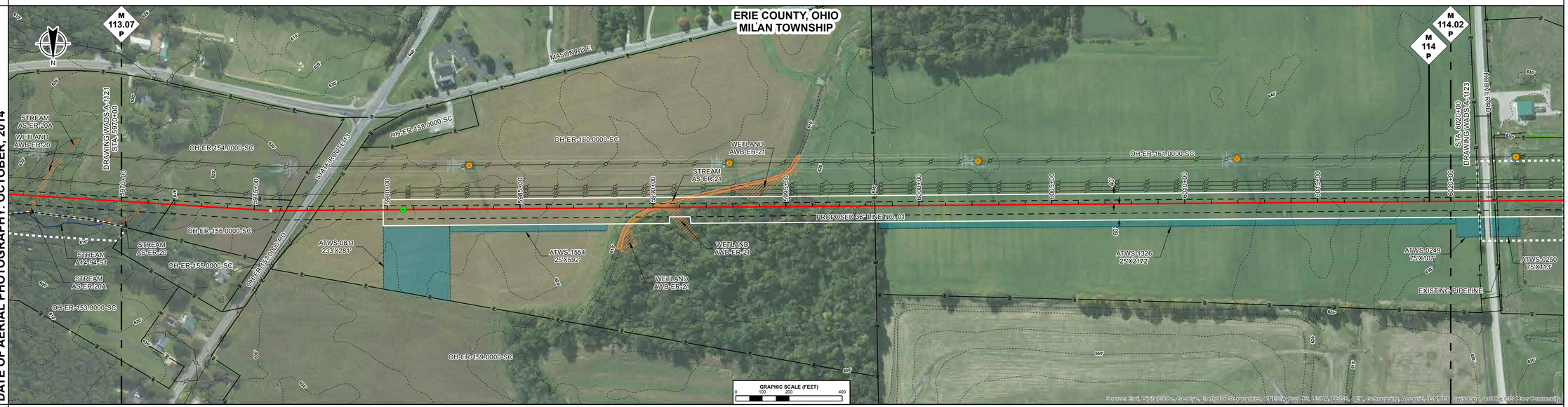
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 5989+30 STREAM TRIB TO MUD BROOK AS-ER-21 ENTER
STA. 5990+37 WETLAND AWB-ER-21 ENTER
STA. 5991+26 WETLAND AWB-ER-21 EXIT
STA. 5991+65 STREAM TRIB TO MUD BROOK AS-ER-21 EXIT
STA. 5993+41 WETLAND AWB-ER-21 ENTER
STA. 5993+86 WETLAND AWB-ER-21 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

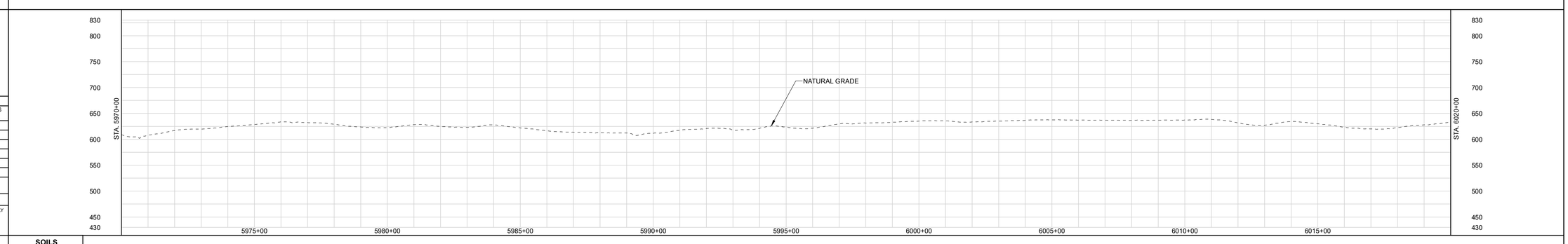
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 113.07 to M.P. 114.02
STA. 5970+00 to STA. 6020+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1122 | REV. A

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 121 of 266.pdf PLOT TIME: 2015-04-22 10:09:47

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

OH-ER-161.0000-SC	OH-ER-162.0000-RD	OH-ER-164.0000-SC	OH-ER-165.0000-SC	OH-ER-166.0000-SC	OH-ER-167.0000-SC / OH-ER-169.0000-SC / OH-ER-168.0000-SC
105 FT. / 6.4 RODS	61 FT. / 3.7 RODS	868 FT. / 52.6 RODS	673 FT. / 40.8 RODS	1655 FT. / 100.3 RODS	583 FT. / 35.3 RODS; 6 FT. / 0.4 RODS; 1049 FT. / 63.6 RODS

6020+90 · 6021+05 · 6021+66 · 6030+34 · 6037+97 · 6053+62 · 6059+45 · 6059+51 · 6070+90

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6021+08 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6021+15 SEWER
STA. 6021+30 ROAD EDGE
STA. 6021+32 PAVED, HOOVER RD CENTERLINE
STA. 6021+40 ROAD EDGE
STA. 6021+55 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6022+75 GAS TOWER, 166 FT. LEFT
STA. 6026+29 CULVERT
STA. 6030+78 PI = 44°29'40" LT
STA. 6031+49 POWERLINE, CLEARANCE 50 FT.
STA. 6031+70 POWERLINE, CLEARANCE 50 FT.
STA. 6031+62 TOWER, 129 FT. LEFT
STA. 6031+91 POWERLINE, CLEARANCE 50 FT.
STA. 6032+43 POWERLINE, CLEARANCE 50 FT.
STA. 6034+31 UNDERGROUND SANITARY SEWER
STA. 6034+70 PI = 44°29'08" RT
STA. 6037+72 TOP BANK
STA. 6037+90 CREEK, DEPTH 0.5 FT. CENTERLINE
STA. 6037+91 TOP BANK
STA. 6041+57 TOWER, 110 FT. RIGHT
STA. 6043+14 BUILDING
STA. 6043+19 BUILDING, 11 FT.
STA. 6043+25 BUILDING
STA. 6051+27 PI = 45°46'34" RT
STA. 6051+50 UNDERGROUND SAN SEWER
STA. 6051+76 TOWER, 105 FT. RIGHT
STA. 6052+89 POWERLINE, CLEARANCE 50 FT.
STA. 6053+33 DRIVEWAY
STA. 6053+46 DRIVEWAY
STA. 6053+95 DRIVEWAY
STA. 6053+83 DRIVEWAY
STA. 6054+04 DRIVEWAY
STA. 6054+15 POWERLINE, CLEARANCE 50 FT.
STA. 6054+38 POWERLINE, CLEARANCE 50 FT.
STA. 6054+59 POWERLINE, CLEARANCE 50 FT.
STA. 6054+72 PI = 47°46'32" LT
STA. 6057+09 TOP BANK
STA. 6057+17 CREEK, DEPTH 1 FT. CENTERLINE
STA. 6057+23 TOP BANK
STA. 6059+27 FENCE
STA. 6062+62 TOWER, 164 FT. LEFT
STA. 6065+16 UNDERGROUND SANITARY SEWER
STA. 6065+60 TOP BANK
STA. 6065+75 CREEK, DEPTH 0.5 FT. CENTERLINE
STA. 6065+88 TOP BANK
STA. 6066+68 FENCE

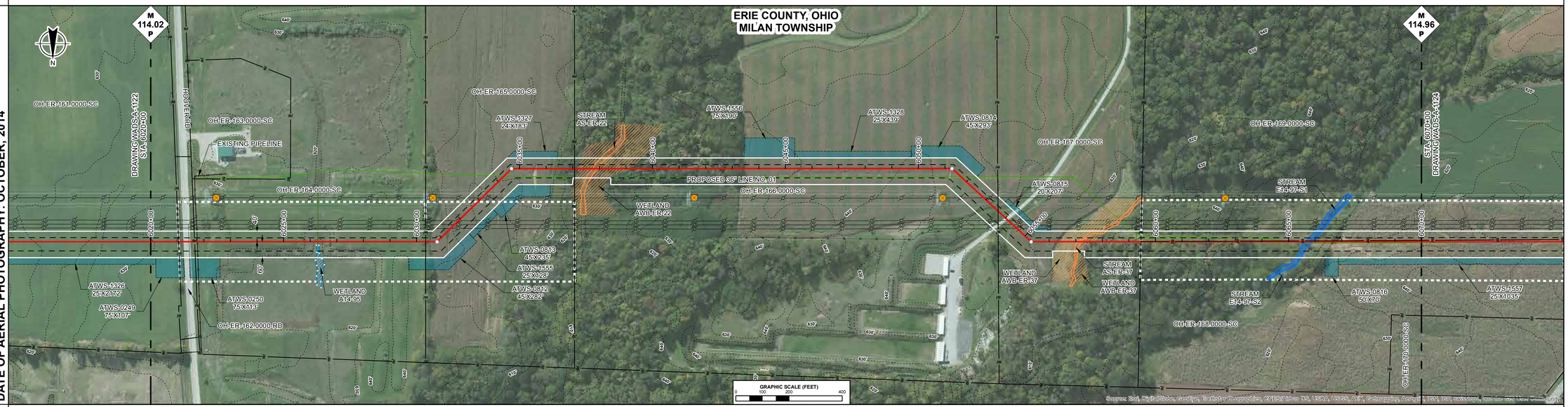
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE · FIRE HYDRANT
- WELL: GAS · WATER · OIL · OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6028+22 WETLAND A14-95 ENTER
STA. 6028+42 WETLAND A14-95 EXIT
STA. 6037+12 WETLAND AWB-ER-22 ENTER
STA. 6037+52 STREAM TRIB TO MUD BROOK AS-ER-22 ENTER
STA. 6037+68 WETLAND AWB-ER-22 ENTER
STA. 6038+06 WETLAND AWB-ER-22 EXIT
STA. 6038+29 STREAM TRIB TO MUD BROOK AS-ER-22 EXIT
STA. 6039+07 WETLAND AWB-ER-22 EXIT
STA. 6055+25 WETLAND AWB-ER-37 ENTER
STA. 6056+96 STREAM TRIB TO MUD BROOK AS-ER-37 ENTER
STA. 6057+05 WETLAND AWB-ER-37 ENTER
STA. 6057+50 WETLAND AWB-ER-37 EXIT
STA. 6057+84 WETLAND AWB-ER-37 ENTER
STA. 6058+14 WETLAND AWB-ER-37 EXIT
STA. 6058+03 WETLAND AWB-ER-37 EXIT
STA. 6058+14 STREAM TRIB TO MUD BROOK AS-ER-37 EXIT
STA. 6065+28 STREAM MUD BROOK E14-97-S1 ENTER
STA. 6066+26 STREAM MUD BROOK E14-97-S1 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
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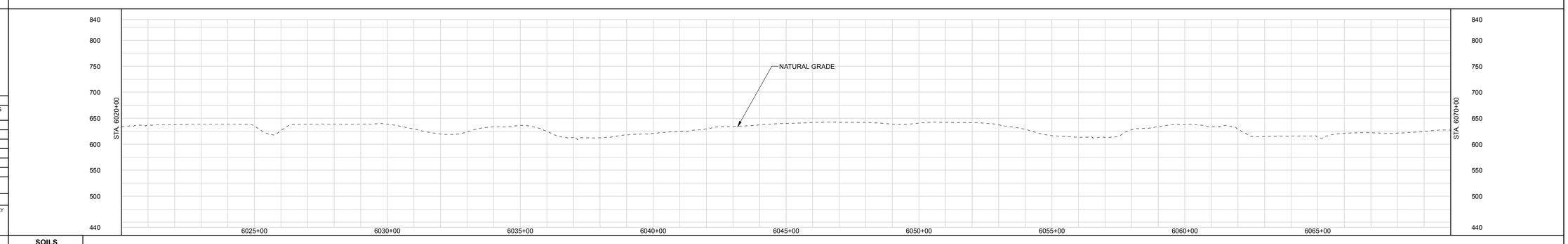
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 114.02 to M.P. 114.96
STA. 6020+00 to STA. 6070+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1123 | REV. A

P:\205_UPS\TREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 123 of 266.pdf PLOT TIME: 2015-04-22 12:58:12

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

6070+00 | OH-ER-168.0000-SC: 917 FT. / 55.6 RODS | 6079+17 | OH-ER-171.0000-RD: 77 FT. / 4.7 RODS | 6079+94 | OH-ER-173.0000-SC: 706 FT. / 42.8 RODS | 6087+00 | OH-ER-176.0000-SC: 119 FT. / 7.2 RODS | 6088+19 | OH-ER-177.0000-SC: 136 FT. / 8.2 RODS | 6089+55 | OH-ER-178.0000-SC: 5 FT. / 0.3 RODS | 6089+60 | OH-ER-180.0000-RD: 145 FT. / 8.8 RODS | 6091+05 | OH-ER-182.0000-SC: 2800 FT. / 169.7 RODS | 6119+05 | OH-ER-186.0000-SC: 95 FT. / 5.8 RODS | 6120+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6073+72 UNDERGROUND SAN SEWER
STA. 6074+82 UNDERGROUND SAN SEWER
STA. 6076+89 UNDERGROUND SAN SEWER
STA. 6079+03 UNDERGROUND SAN SEWER
STA. 6079+18 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6079+32 ROAD EDGE
STA. 6079+40 RED MAPLE ROAD AVERY RD CENTERLINE
STA. 6079+67 ROAD EDGE
STA. 6079+79 UNDERGROUND STORM SEWER
STA. 6084+04 PI – 03°03'33" RT
STA. 6088+12 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6089+66 FENCE
STA. 6090+11 US HIGHWAY 250 N (SCALED) CENTERLINE
STA. 6091+11 FENCE
STA. 6091+17 POWERLINE, CLEARANCE 25 FT.
STA. 6092+44 PI – 03°01'49" LT
STA. 6099+38 PI – 08°07'37" RT
STA. 6113+05 PI – 06°07'18" LT
STA. 6119+21 PI – 37°37'45" LT

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
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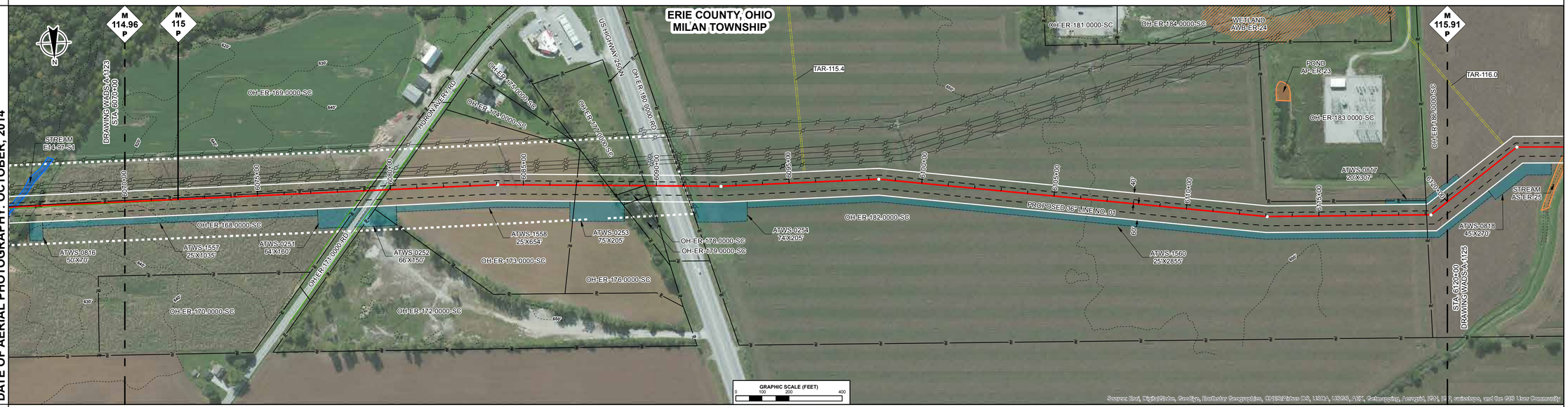
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

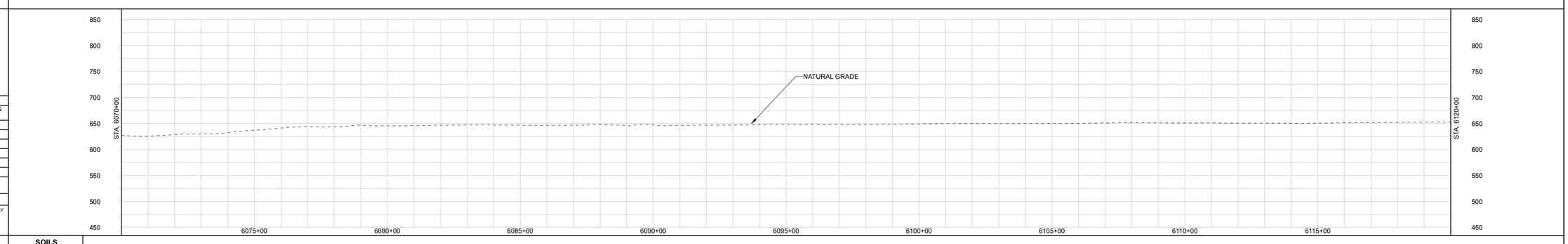
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 114.96 to M.P. 115.91
STA. 6070+00 to STA. 6120+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

22-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1124	REV. A

P:\205_UPSTREAM_PIPELINE\205K_GIS\TubeBuilt NEXUS PROPOSED MAINLINE PIPELINE 124 of 266.pdf PLOT TIME: 2015-04-22 13:11:13

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

6120+00 | OH-ER-186.0000-SC 682 FT. 41.3 RODS | 6126+82 | OH-ER-188.0000-SC 1132 FT. 68.6 RODS | 6138+14 | OH-ER-196.0000-SC 2398 FT. 145.3 RODS | 6162+12 | OH-ER-192.0000-RD 145 FT. 8.8 RODS | 6163+57 | OH-ER-195.0000-SC 643 FT. 39.0 RODS | 6170+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6123+33 PI – 37°58'33" RT
STA. 6125+42 TOP BANK
STA. 6125+50 FT. DEPTH
STA. 6125+60 FT. CENTERLINE
STA. 6125+62 TOP BANK
STA. 6135+83 TOP BANK
STA. 6136+45 FT. DEPTH
STA. 6136+73 FT. CENTERLINE
STA. 6136+23 TOP BANK
STA. 6138+26 FENCE
STA. 6138+70 MONICIPALITY LINE
STA. 6138+72 ROAD EDGE
STA. 6138+73 (SCALED) PATROL RD CENTERLINE
STA. 6138+93 ROAD EDGE
STA. 6139+00 UNDERGROUND WATER
STA. 6139+31 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6142+10 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6143+25 OTHER WELL, 55 FT. RIGHT
STA. 6143+95 TOP BANK
STA. 6144+02 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6144+19 TOP BANK
STA. 6144+17 DRIVEWAY EDGE
STA. 6144+22 DRIVEWAY CENTERLINE
STA. 6144+27 DRIVEWAY EDGE
STA. 6144+41 PATROL RD (SCALED) CENTERLINE
STA. 6144+48 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6144+76 FENCE
STA. 6155+58 PI – 34°12'12" LT
STA. 6162+36 POWERLINE CLEARANCE 22 FT.
STA. 6162+27 TOP BANK
STA. 6162+35 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6162+44 TOP BANK
STA. 6162+57 ROAD EDGE
STA. 6162+73 (SCALED) MASON RD CENTERLINE
STA. 6162+88 ROAD EDGE
STA. 6163+09 TOP BANK
STA. 6163+17 DITCH, DEPTH 2.5 FT. CENTERLINE
STA. 6163+41 TOP BANK
STA. 6169+37 PI – 48°10'32" RT

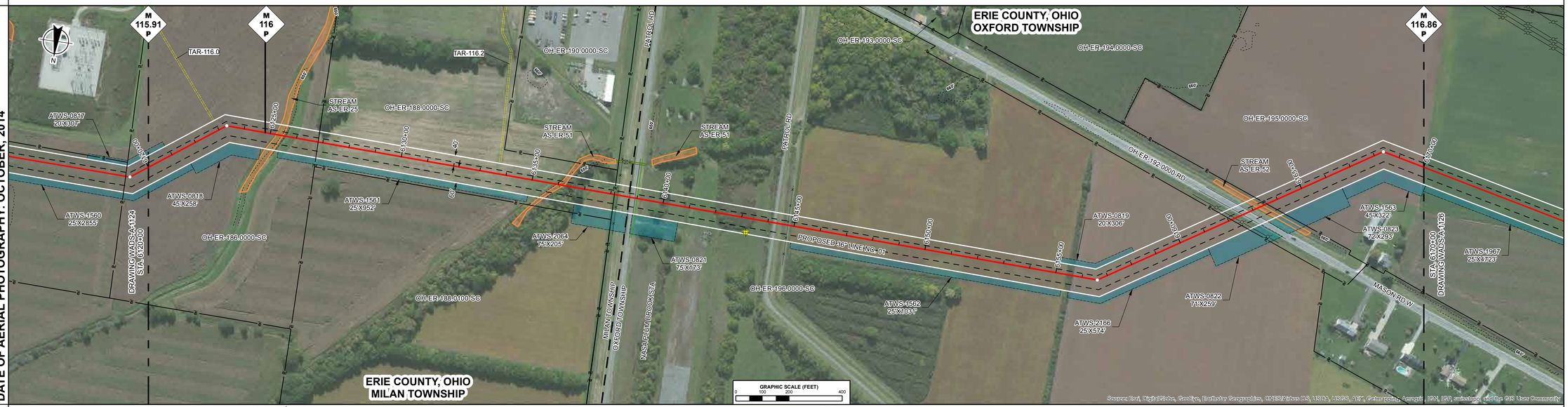
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

MAINLINE VALVE (MLV)
PIPELINE MILEPOST
PIPELINE
INTERCONNECTING PIPELINE
CONSTRUCTION LIMIT
STUDY CORRIDOR
STAGING AREA
PERMANENT ROW
ADDITIONAL TEMPORARY WORKSPACE
METERING & REGULATION STATION (M&R)
COMPRESSOR SITE STATION
FACILITIES TEMPORARY WORKSPACE
FACILITIES PERMANENT WORKSPACE
DELINEATED WETLAND BOUNDARY
DELINEATED WATERBODY BANK
DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
APPROXIMATE WATERBODY BANK
APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD PAR-0.0
TEMPORARY ACCESS ROAD TAR-0.0
PARCEL TRACT NO OH-CO-011.0000-SC
PROPERTY LINE
CONTOUR 120
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE
UTILITY LINES
HORIZONTAL DIRECTIONAL DRILLING
TOWER
LIGHT POLE FIRE HYDRANT
WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6124+92 STREAM ZORN BEUTAL DITCH AS-ER-25 ENTER
STA. 6125+38 STREAM ZORN BEUTAL DITCH AS-ER-25 EXIT
STA. 6135+38 STREAM SHERER DITCH AS-ER-51 ENTER
STA. 6136+42 STREAM SHERER DITCH AS-ER-51 EXIT
STA. 6162+90 STREAM SHERER DITCH AS-ER-52 ENTER
STA. 6164+41 STREAM SHERER DITCH AS-ER-52 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

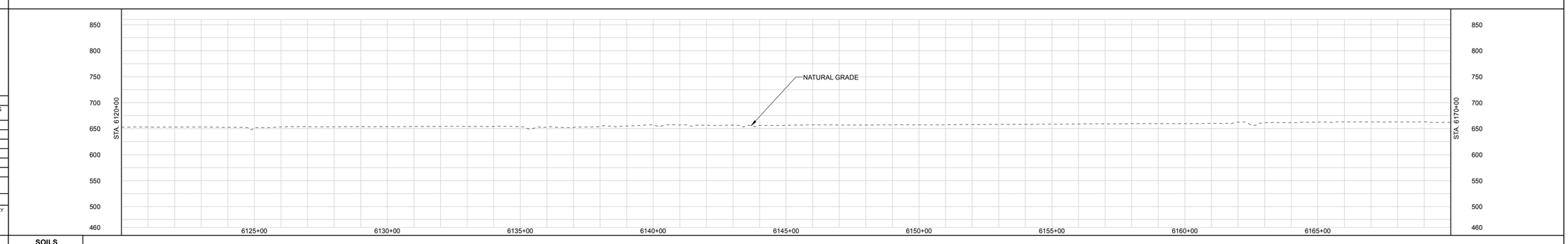
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 115.91 to M.P. 116.86
STA. 6120+00 to STA. 6170+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1125 | REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 125-of-266.pdf PLOT TIME: 2015-04-22 09:53:31

RIGHT-OF-WAY

TRACT NUMBERS

6170+00 | OH-ER-195.0000-SC 1227 FT. 74.4 RODS | 6182+27 | OH-ER-197.0000-SC 1682 FT. 101.9 RODS | 6199+09 | OH-ER-198.0000-SC 2091 FT. 126.7 RODS | 6220+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6202+19 PI – 10°30'11" RT

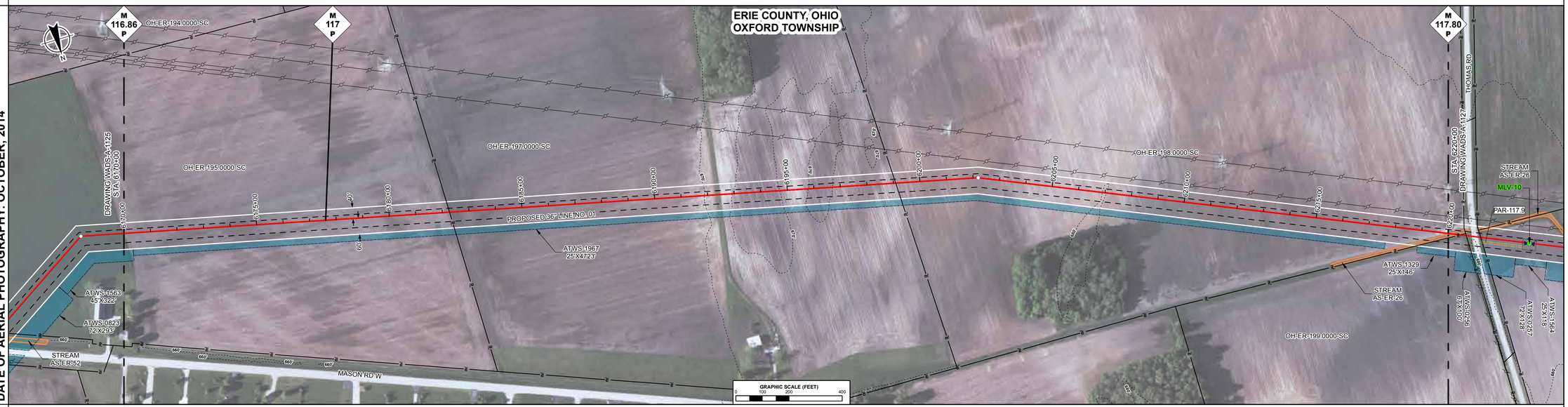
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6218+54 STREAM TRIB TO SHERER DITCH AS-ER-26 ENTER
STA. 6220+00 STREAM TRIB TO SHERER DITCH AS-ER-26 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

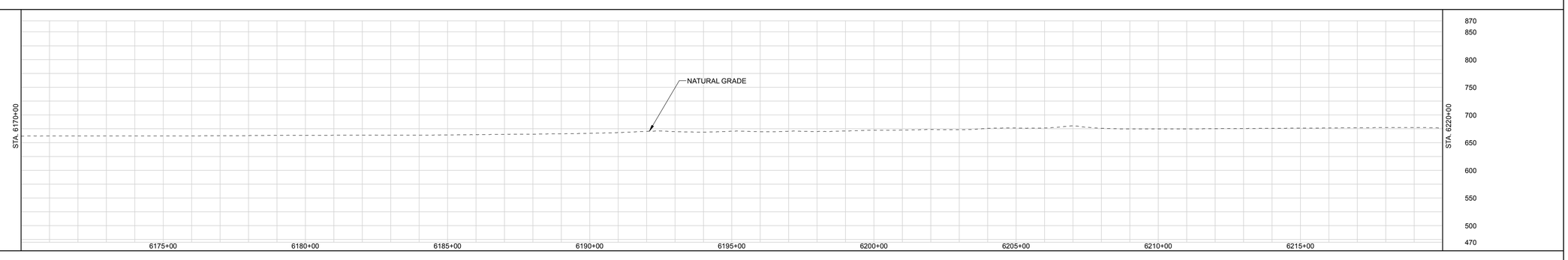
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 116.86 to M.P. 117.80
STA. 6170+00 to STA. 6220+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

23-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1126	REV. A

P:\205_UPSTREAM_PIPELINE\299K_OSS\TurboRouter\ NEXUS PROPOSED MAINLINE PIPELINE 126 of 266.pdf PLOT TIME: 2015-04-23 09:06:34

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

6270+00 | OH-ER-205.0000-SC | 303 FT. | 18.4 RODS | 6273+03

OH-ER-207.0000-SC | 945 FT. | 57.3 RODS

6282+48 | OH-ER-210.0000-RD | 45 FT. | 2.7 RODS | 6282+93

OH-ER-215.0000-SC | 1607 FT. | 97.4 RODS

6299+00 | OH-ER-218.0000-SC | 64 FT. | 3.9 RODS | 6299+64

OH-ER-217.0000-SC | 84 FT. | 5.1 RODS | 6300+48

OH-ER-220.0000-SC | 1952 FT. | 118.3 RODS | 6320+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6282+61 ROAD EDGE
STA. 6282+71 PAVED_RANSOM RD CENTERLINE
STA. 6282+81 ROAD EDGE
STA. 6282+99 POWERLINE CLEARANCE 15 FT.

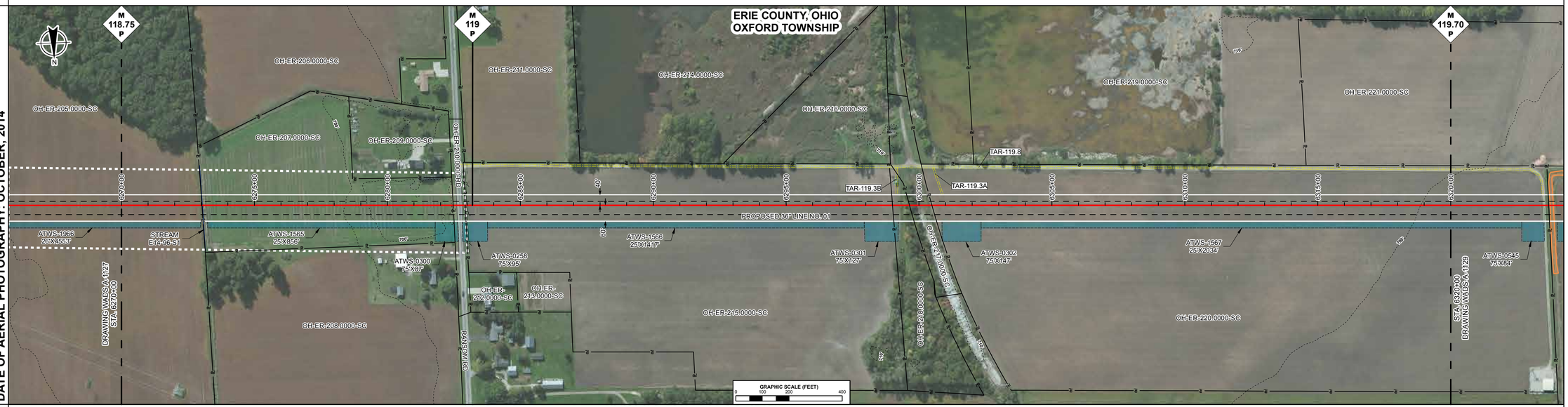
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6273+05 CENTERLINE OF STREAM E1398-S1 TRIB TO SHERER DITCH

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

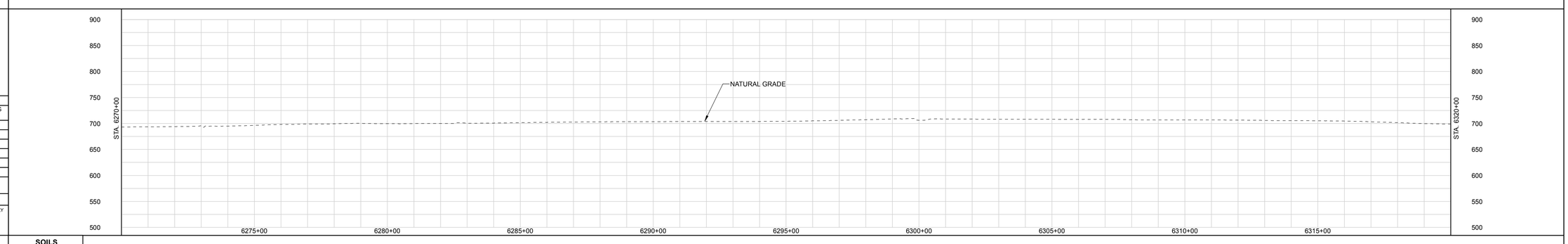
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 118.75 to M.P. 119.70
STA. 6270+00 to STA. 6320+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1128 | REV. A

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 128 of 266.pdf PLOT TIME: 2015-04-23 14:14:39

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

6320+00 | OH-ER-220.0000-SC: 368 FT. / 22.3 RODS | 6323+68 | OH-ER-222.0000-SC: 2070 FT. / 125.5 RODS | 6344+38 | OH-ER-223.0000-SC: 1969 FT. / 119.3 RODS | 6364+07 | OH-ER-225.0000-RD: 60 FT. / 3.6 RODS | 6364+67 | OH-ER-227.0000-SC: 533 FT. / 32.3 RODS | 6370+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6323+41 ROAD EDGE (SCALED)
STA. 6323+48 ROAD CENTERLINE (SCALED)
STA. 6323+52 ROAD (LIDAR) EDGE

STA. 6340+40 PI – 20°31'10" LT

STA. 6350+96 PI – 08°51'00" RT

STA. 6364+34 ROAD EDGE
STA. 6364+46 PAVED PATTEN TWP RD CENTERLINE
STA. 6364+59 ROAD EDGE

STA. 6368+33 PI – 12°07'40" RT

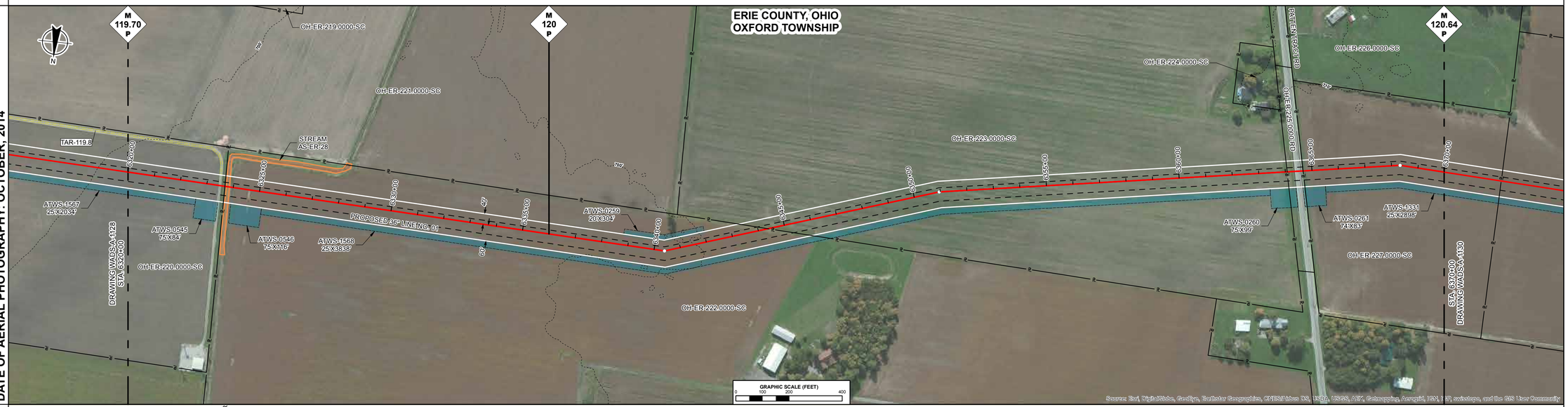
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6323+71 STREAM TRIB TO PIPE CREEK AS-ER-28 ENTER
STA. 6323+81 STREAM TRIB TO PIPE CREEK AS-ER-28 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

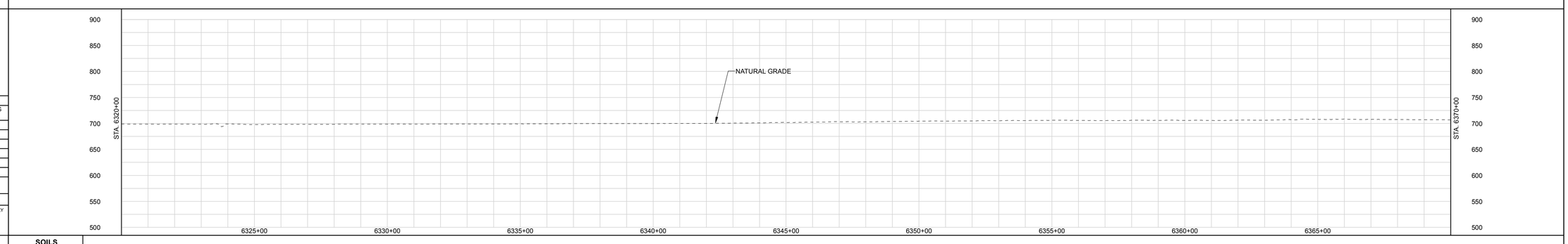
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 119.70 to M.P. 120.64
STA. 6320+00 to STA. 6370+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1129	REV. A

IG.#

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RIGHT-OF-WAY

TRACT NUMBERS

6370+00 | OH-ER-227.0000-SC | 218 FT. | 13.2 RODS | 6372+18

OH-ER-228.0000-SC | 2244 FT. | 136.0 RODS

6394+62

OH-ER-229.0000-SC | 1535 FT. | 93.0 RODS

6409+97 | OH-ER-230.0000-SC | 833 FT. | 50.5 RODS

6418+30 | OH-ER-235.0000-SC | 10 FT. | 0.6 RODS | 6418+41

OH-ER-236.0000-RD | 46 FT. | 2.8 RODS | 6418+87

OH-ER-237.0000-SC | 56 FT. | 3.4 RODS | 6419+43

OH-ER-238.0000-SC | 57 FT. | 3.5 RODS | 6420+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6389+43 PI - 04°28'27" LT

STA. 6395+92 PI - 06°42'55" RT

STA. 6408+70 PI - 00°57'53" RT

STA. 6413+48 PI - 14°28'45" RT

STA. 6418+51 ROAD EDGE
STA. 6418+63 PAVED, HARRIS RD CEN TEELINE
STA. 6418+75 ROAD EDGE
STA. 6418+84 POWERLINE.
CLEARANCE 15 FT

STA. 6419+24 PI - 09°38'26" LT

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
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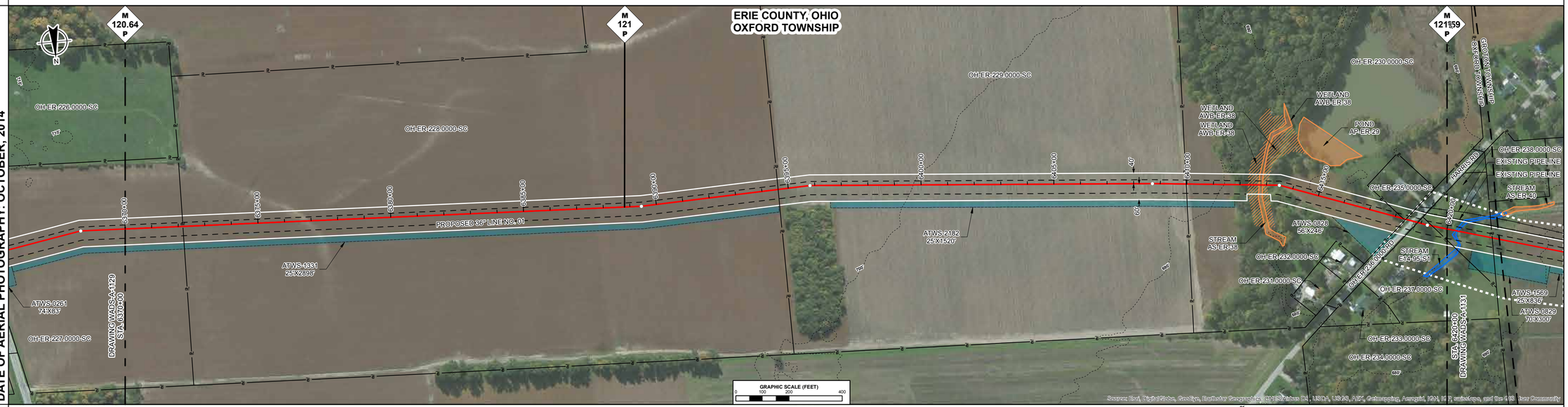
- PARCEL TRACT NO — OH-CO-011.0000-SC
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6412+29 WETLAND AWB-ER-38 ENTER
STA. 6412+70 STREAM TRIB TO PIPE CREEK AS-ER-38 ENTER
STA. 6412+74 WETLAND AWB-ER-38 EXIT
STA. 6412+94 WETLAND AWB-ER-38 ENTER
STA. 6412+87 STREAM TRIB TO PIPE CREEK AS-ER-38 EXIT
STA. 6415+12 WETLAND AWB-ER-38 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

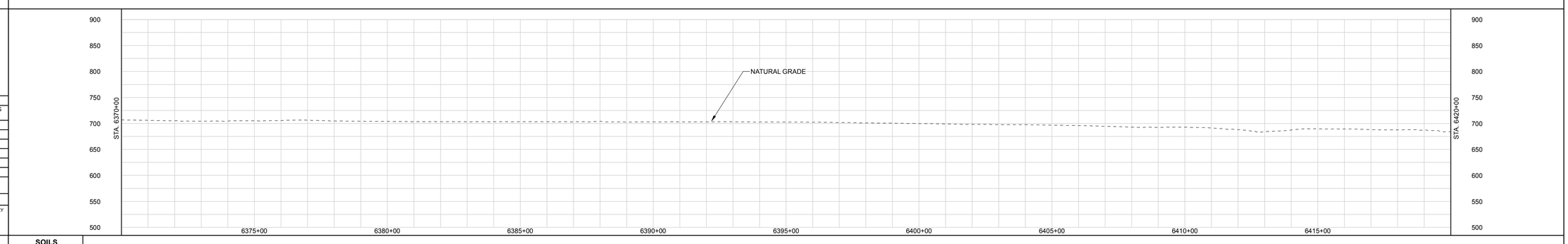
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 120.64 to M.P. 121.59
STA. 6370+00 to STA. 6420+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

23-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1130 | REV. A

NEXUS GAS TRANSMISSION

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboBuild\ NEXUS PROPOSED MAINLINE PIPELINE 130 of 266.pdf PLOT TIME: 2015-04-23 14:19:42

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

6420+00 — OH-ER-238.0000-SC — 173 FT. — 10.5 RODS — 6421+73

OH-ER-241.0000-SC — 1104 FT. — 66.9 RODS

6432+77 — OH-ER-242.0000-RD — 68 FT. — 4.1 RODS — 6433+45

OH-ER-243.0000-SC — 2632 FT. — 159.5 RODS

6459+75 — OH-ER-246.0000-RD — 68 FT. — 4.1 RODS — 6460+43

OH-ER-248.0000-SC — 876 FT. — 53.1 RODS

6469+19 — OH-ER-251.0000-SC — 81 FT. — 4.9 RODS — 6470+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6420+25 TOP BANK
STA. 6420+33 CREEK, DEPTH 1.5 FT. CENTERLINE
STA. 6420+42 TOP BANK

STA. 6422+00 MUNICIPALITY LINE

STA. 6427+52 PI – 01°23'45" LT

STA. 6431+41 PI – 08°08'22" LT

STA. 6432+80 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6433+00 ROAD EDGE
STA. 6433+15 PAVED, SH 99
STA. 6433+25 CENTERLINE
STA. 6433+29 ROAD EDGE
STA. 6433+42 DITCH, DEPTH 0 FT. CENTERLINE

STA. 6439+38 PI – 21°58'00" RT

STA. 6451+51 PI – 25°42'21" LT

STA. 6460+00 ROAD EDGE
STA. 6460+16 PAVED, SH 4
STA. 6460+25 CENTERLINE
STA. 6460+30 ROAD EDGE
STA. 6460+40 DITCH, DEPTH 0 FT. CENTERLINE
STA. 6460+41 POWERLINE, CLEARANCE 20 FT.

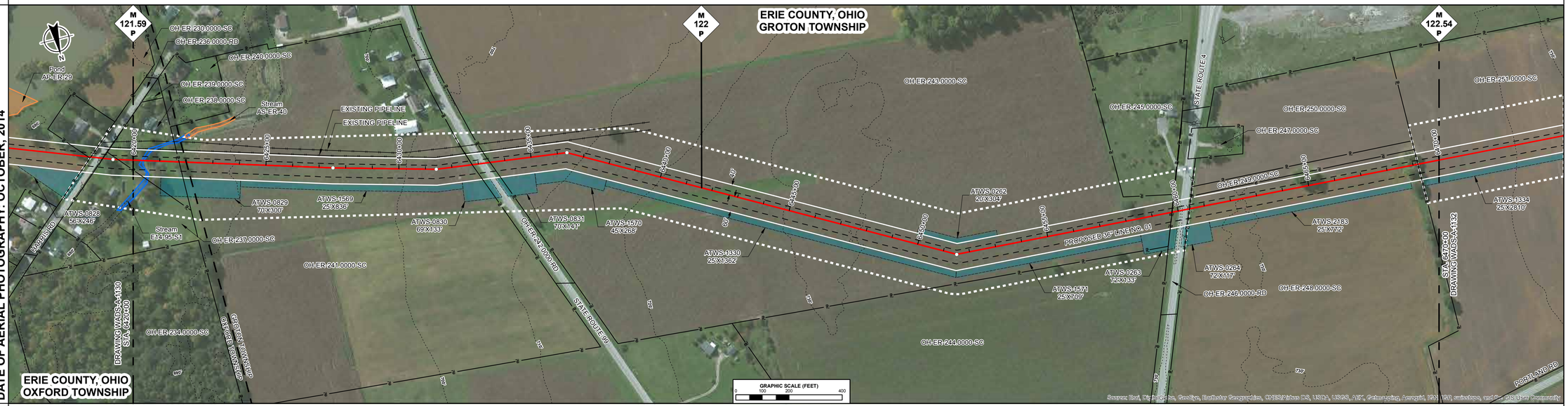
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6420+23 STREAM PIPE CREEK E14-95-S1 WATER
STA. 6420+73 STREAM PIPE CREEK E14-95-S1 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

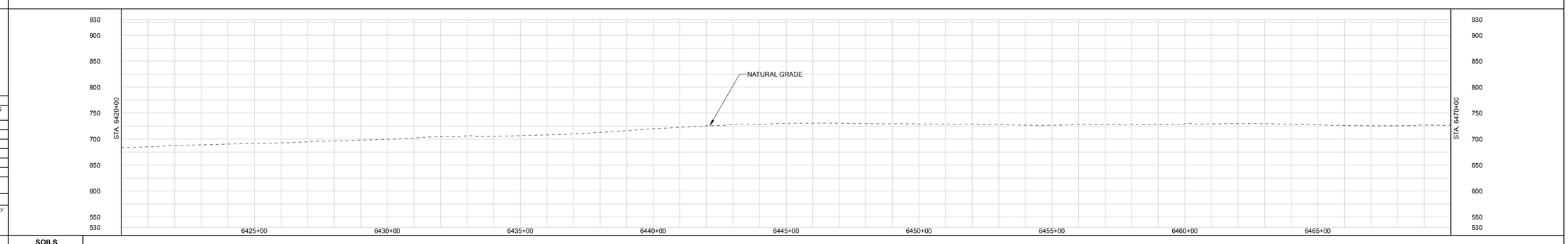
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 121.59 to M.P. 122.54
STA. 6420+00 to STA. 6470+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1131	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 131 of 266.pdf PLOT TIME: 2015-04-23 14:23:13

RIGHT-OF-WAY

TRACT NUMBERS

6470+00

OH-ER-251.0000-SC
2144 FT.
129.9 RODS

6491+44 — **OH-ER-252.0000-SC** 31 FT. 1.9 RODS — 6491+75

OH-ER-253.0000-SC 340 FT. 20.6 RODS — 6495+15

OH-ER-262.0000-SC
1807 FT.
109.5 RODS

6513+22 — **OH-ER-266.0000-RD** 50 FT. 3.0 RODS — 6513+72

OH-ER-268.0000-SC 386 FT. 23.4 RODS — 6517+58

OH-ER-269.0000-SC 242 FT. 14.7 RODS — 6520+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6498+73 POWERLINE. CLEARANCE 25 FT.

STA. 6500+21 PI – 05°41'24" LT

STA. 6505+58 PI – 18°08'12" RT

STA. 6512+26 PI – 72°58'10" RT
STA. 6513+19 POWERLINE.
STA. 6513+22 PORTLAND RD.
STA. 6513+30 ROAD EDGE
STA. 6513+43 PAVED.
PORTLAND RD
CENTERLINE.
STA. 6513+54 ROAD EDGE
STA. 6513+67 POWERLINE.
STA. 6514+00 PAVED 11 FT.

STA. 6519+39 PI – 26°53'50" LT

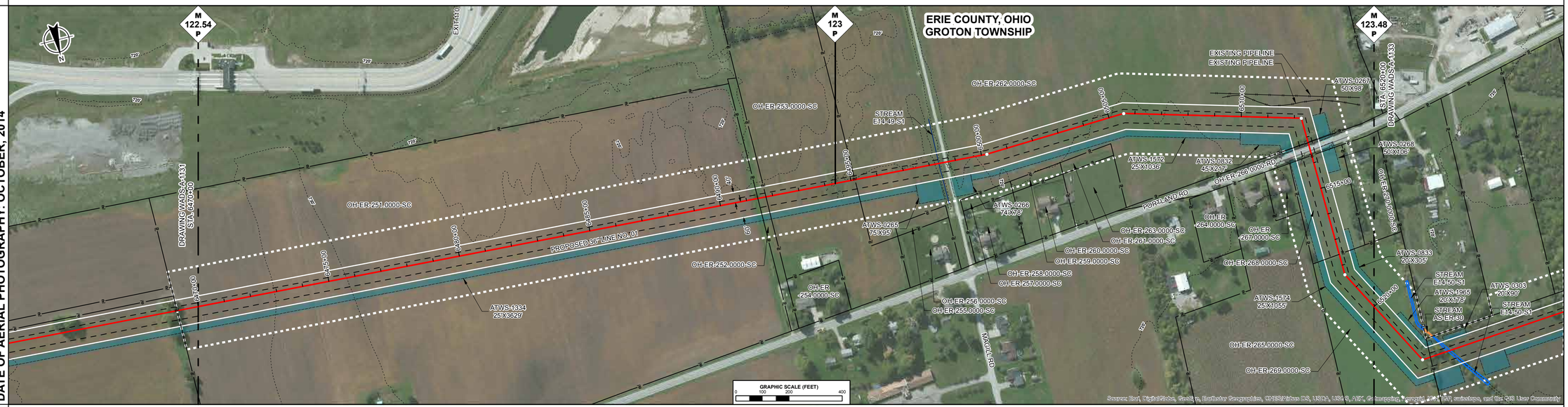
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD — PAR-0.0
- TEMPORARY ACCESS ROAD — TAR-0.0
- PARCEL TRACT NO — OH-CO-011.0000-SC
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS — WATER — OIL — OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6499+37 CENTERLINE OF STREAM E14-49-S1 TRIB TO PIPE CREEK.

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

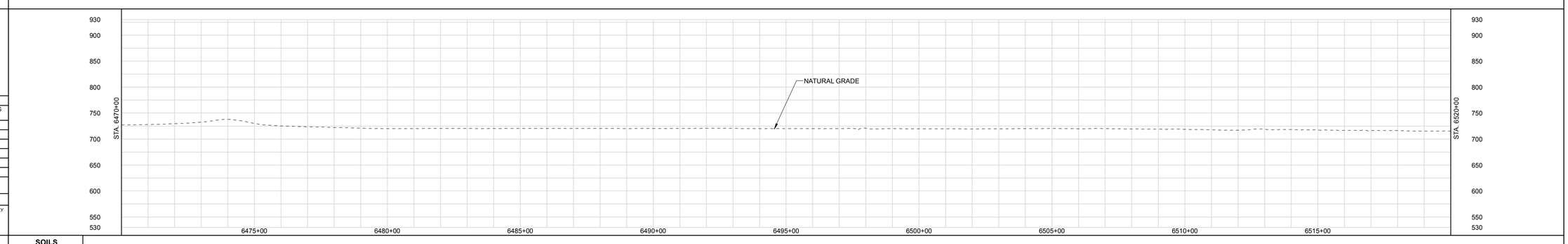
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
REFERENCE DRAWINGS		REVISIONS				MATERIALS		
		A			ISSUED FOR FERC			

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 122.54 to M.P. 123.48
STA. 6470+00 to STA. 6520+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WADS-A-1132 | REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 132 of 266.pdf PLOT TIME: 2015-04-22 10:37:14

RIGHT-OF-WAY

TRACT NUMBERS

OH-ER-269.0000-SC 302 FT. 18.3 RODS	OH-ER-275.0000-SC 2287 FT. 138.6 RODS	OH-ER-277.0000-RR 53 FT. 3.2 RODS	OH-ER-278.0000-RD 62 FT. 3.8 RODS	OH-ER-281.0000-SC 1867 FT. 113.2 RODS	OH-ER-282.0000-SC 429 FT. 26.0 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6522+71 PI – 66°19'55" LT

STA. 6532+94 PI – 15°22'40" LT

STA. 6545+27 PI – 15°55'53" RT
STA. 6546+08 RAILROAD TOE
STA. 6546+22 RAILROAD TOP
STA. 6546+27 RAILROAD CENTERLINE
STA. 6546+32 RAILROAD TOP
STA. 6546+46 RAILROAD TOE
STA. 6546+69 ROAD EDGE
STA. 6546+79 PAVED, MAPLE AVE CENTERLINE
STA. 6546+89 ROAD EDGE

STA. 6549+68 PI – 09°20'35" RT

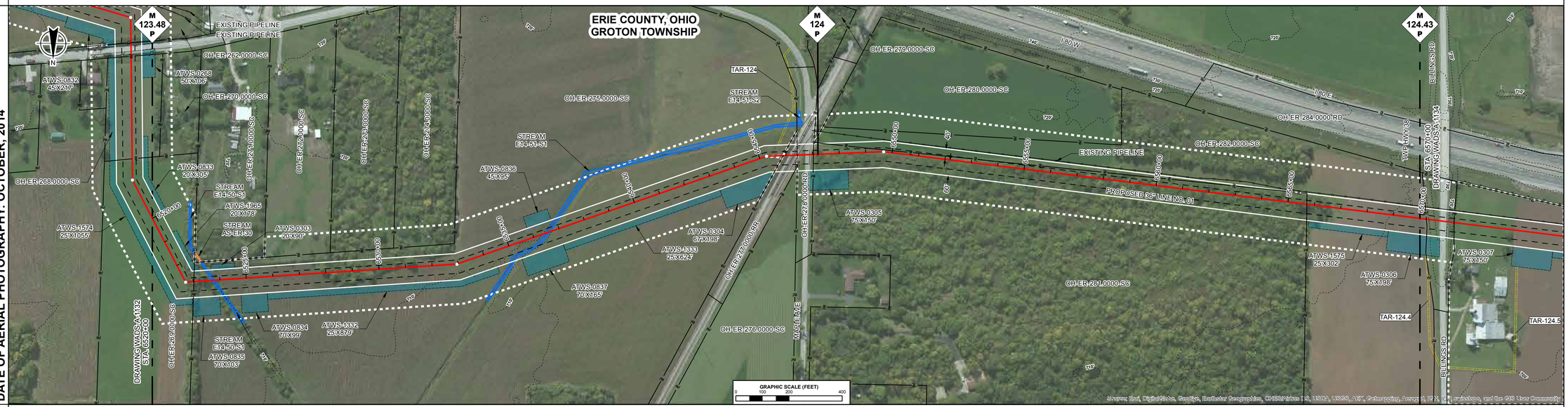
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 6523+50 STREAM TRIB TO MILLS CREEK E14-50-S1 ENTER
STA. 6524+48 STREAM TRIB TO MILLS CREEK E14-50-S1 EXIT

STA. 6534+93 STREAM TRIB TO MILLS CREEK E14-51-S1 ENTER

STA. 6537+19 STREAM TRIB TO MILLS CREEK E14-51-S1 EXIT

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

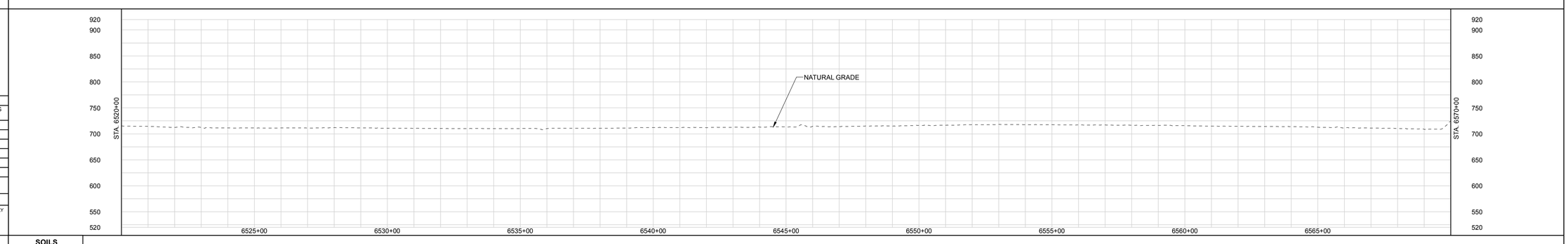
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:				
TITLE				

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 123.48 to M.P. 124.43
STA. 6520+00 to STA. 6570+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1133	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

IG.#

P:\295_UPSTREAM_PIPELINE\295K_OS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 133 of 266.pdf - PLOT TIME: 2015-04-21 17:27:11

RIGHT-OF-WAY

TRACT NUMBERS

6570+00 – 6570+24	6570+24 – 6571+30	6571+30 – 6593+06	6593+06 – 6612+37	6612+37 – 6616+23	6616+23 – 6620+00
OH-ER-282.0000-SC	OH-ER-283.0000-RD	OH-ER-285.0000-SC	OH-ER-286.0000-SC	OH-ER-287.0000-SC	OH-ER-290.0000-SC
24 FT.	106 FT.	2176 FT.	1931 FT.	386 FT.	377 FT.
1.5 RODS	6.4 RODS	131.9 RODS	117.0 RODS	23.4 RODS	22.8 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6570+59 BILLINGS RD (SCALED) CENTERLINE

STA. 6576+59 PI – 06°56'34" RT

STA. 6581+83 PI – 01°39'48" RT

STA. 6589+46 PI – 13°13'33" RT

STA. 6617+00 PI – 22°19'25" LT

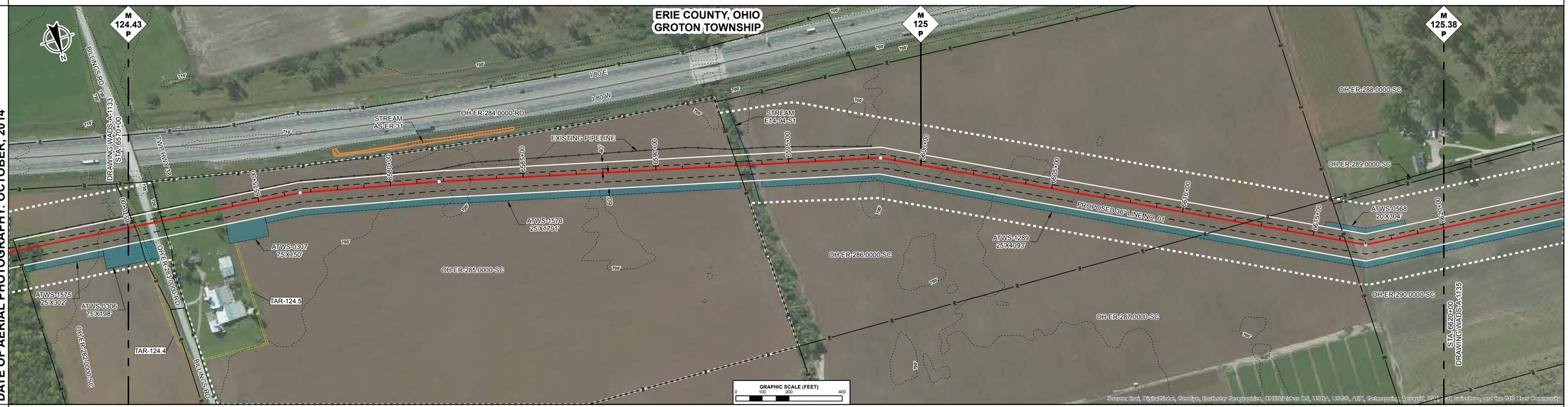
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



STA. 6593+53 CENTERLINE OF STREAM E14-94-S1 MILLS CREEK

ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- FLUME PIPE AS REQUIRED
- SLOPE BREAKERS
- TRENCH PLUG

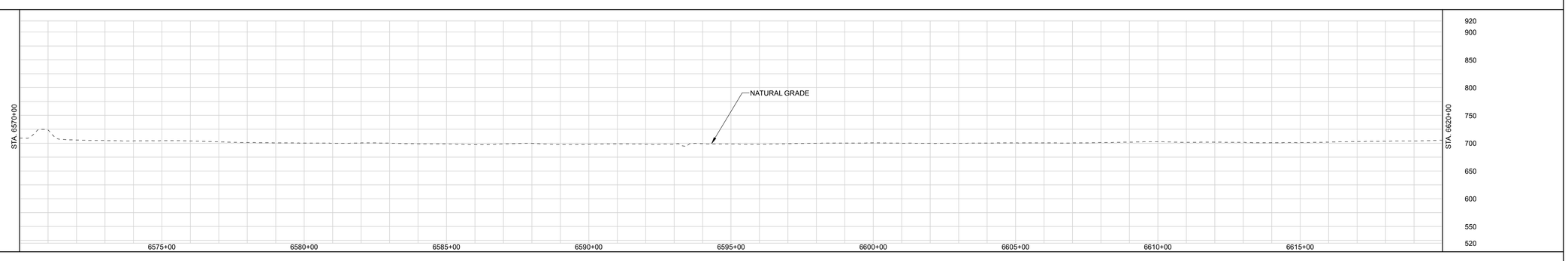
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS

LAND USE

% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:			
TITLE			

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 124.43 to M.P. 125.38
STA. 6570+00 to STA. 6620+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1134	REV. A

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

IG.#

P:\205_UPSTREAM_PIPELINE\205K_OS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 134 of 266.pdf PLOT TIME: 2015-04-21 17:29:51

RIGHT-OF-WAY

TRACT NUMBERS

6620+00	OH-ER-290.0000-SC 1554 FT. 94.2 RODS	6635+54	OH-ER-291.0000-RD 63 FT. 3.8 RODS	6638+17	OH-ER-292.0000-SC 657 FT. 39.8 RODS	6642+74	OH-ER-294.0000-SC 1172 FT. 71.0 RODS	6654+46	OH-ER-295.0000-SC 339 FT. 20.5 RODS	6657+85	OH-ER-297.0000-SC 661 FT. 40.1 RODS	6664+46	OH-ER-298.0000-SC 554 FT. 33.6 RODS	6670+00				

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6633+78 PI – 11°41'53" RT

STA. 6635+71 POWERLINE CLEARANCE 30 FT.
STA. 6635+86 ROAD EDGE
STA. 6636+86 PAVED DRIVE RD CENTERLINE
STA. 6638+05 ROAD EDGE

STA. 6642+78 PI – 10°16'56" LT

STA. 6655+79 PI – 23°46'30" LT

STA. 6663+38 PI – 18°17'33" RT

STA. 6664+52 DRIVEWAY CENTERLINE (SCALED)

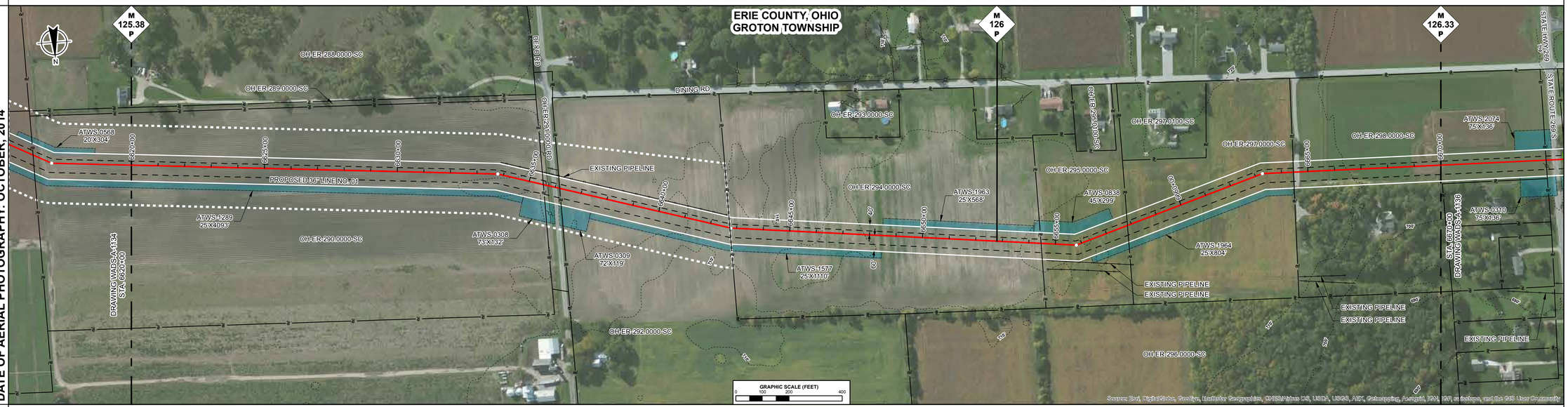
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

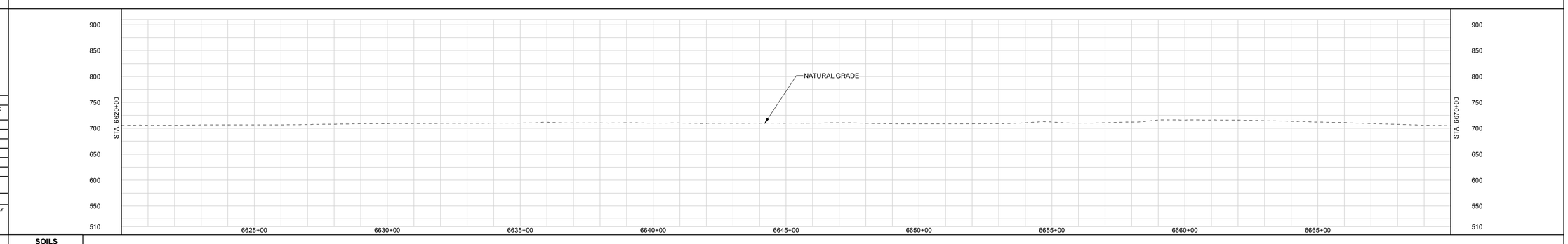
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 125.38 to M.P. 126.33
STA. 6620+00 to STA. 6670+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1135	REV. A

I.G.#

P:\205_UPSTREAM_PIPELINE\205K_OS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 135 of 266.pdf - PLOT TIME: 2015-04-21 17:34:15

RIGHT-OF-WAY

TRACT NUMBERS

6670+00 | OH-ER-298.0000-SC: 397 FT. / 24.1 RODS | 6673+97 | OH-ER-305.0000-RD: 73 FT. / 4.4 RODS | 6674+70 | OH-ER-306.0000-SC: 1833 FT. / 111.1 RODS | 6693+04 | OH-ER-307.0000-SC: 1972 FT. / 119.5 RODS | 6712+76 | OH-SA-001.0000-RD: 36 FT. / 2.2 RODS | 6713+12 | OH-SA-002.0000-SC: 688 FT. / 41.7 RODS | 6720+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6673+98 POWERLINE CLEARANCE 19 FT.
STA. 6674+20 ROAD EDGE
STA. 6674+34 PAVED, SR 269 CENTERLINE
STA. 6674+47 ROAD EDGE
STA. 6674+61 ABOVEGROUND TELEPHONE
STA. 6675+64 PI – 29°55'18" RT

STA. 6685+76 PI – 24°10'21" LT

STA. 6711+95 PI – 05°14'57" LT
STA. 6712+96 SOUTHWEST RD (SCALED) CENTERLINE
STA. 6713+09 MONICIPALITY LINE

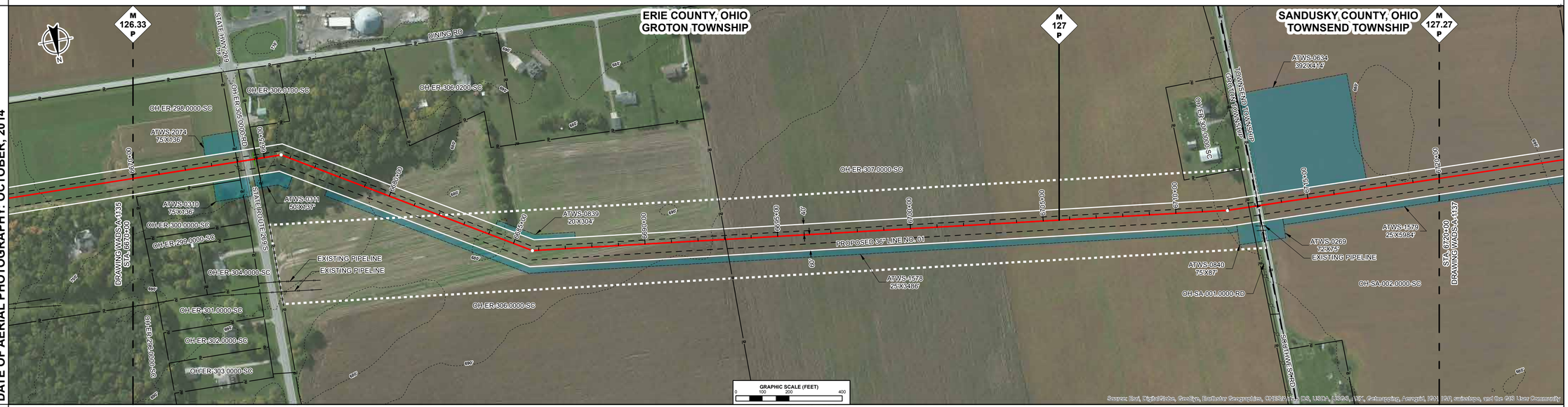
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R)
- COMPRESSOR SITE STATION
- FACILITIES TEMPORARY WORKSPACE
- FACILITIES PERMANENT WORKSPACE
- DELINEATED WETLAND BOUNDARY
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

FLUME PIPE AS REQUIRED
SLOPE BREAKERS
TRENCH PLUG

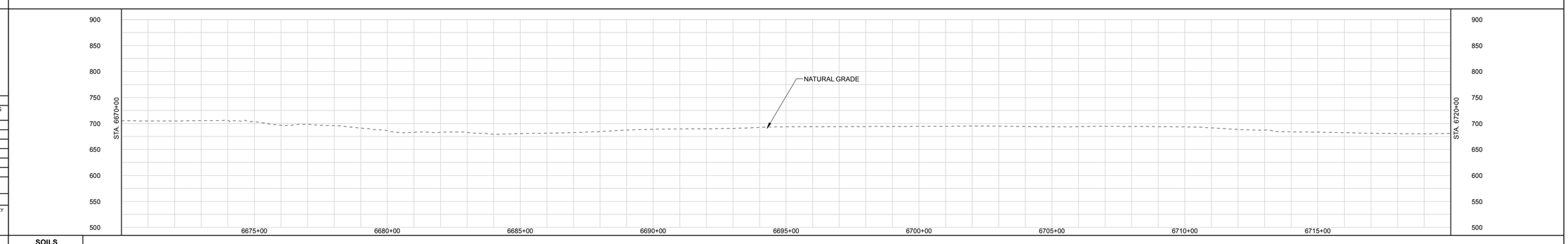
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
< 5%	250 FT	< 5%	1000FT
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

TRENCH PLUGS ARE REQUIRED AT ALL WATERBODY AND WETLAND CROSSINGS REGARDLESS OF SLOPE.

SEE FIGURES 12 AND 16 FOR SPECIFICATIONS.

IN AG FIELDS AND RESIDENTIAL AREAS WHERE SLOPE BREAKERS ARE NOT TYPICALLY REQUIRED, INSTALL PERMANENT TRENCH PLUGS AT THE SAME SPACING AS IF PERMANENT SLOPE BREAKERS WERE REQUIRED. (FERC PLAN)



LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

DRAWN BY:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 126.33 to M.P. 127.27
STA. 6670+00 to STA. 6720+00
ALIGNMENT SHEET

LOC. ERIE COUNTY, OHIO AND SANDUSKY COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1136	REV. A

IG.#

P:\295_UPSTREAM_PIPELINE\295K_OSS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 136 of 266.pdf - PLOT TIME: 2015-04-21 17:43:55

RIGHT-OF-WAY

TRACT NUMBERS

6720+00	OH-SA-002.0000-SC 538 FT. 32.6 RODS	6725+38	OH-SA-003.0000-SC 663 FT. 40.2 RODS	6732+01	OH-SA-004.0000-SC 670 FT. 40.6 RODS	6738+71	OH-SA-005.0000-SC 657 FT. 39.8 RODS	6745+28	OH-SA-006.0000-SC 660 FT. 40.0 RODS	6751+88	OH-SA-007.0000-SC 1329 FT. 80.5 RODS	6765+17	OH-SA-008.0000-SC 483 FT. 29.3 RODS	6770+00					

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 6732+13 PI – 03°58'39" LT

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- PERMANENT ROW
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- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
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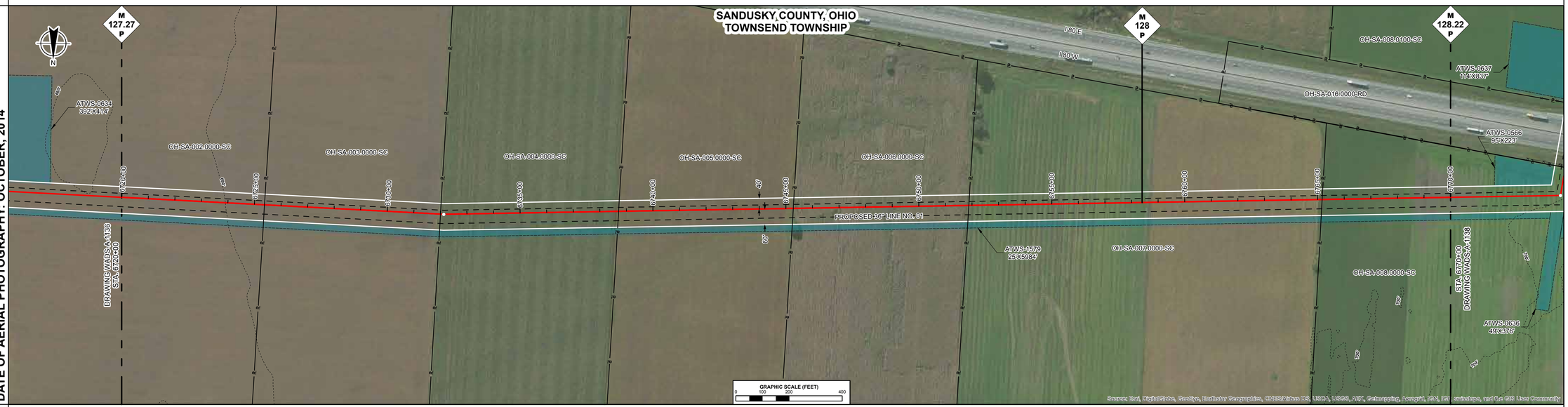
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

SITE SPECIFIC E & S

PROFILE

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SLOPE BREAKERS
TRENCH PLUG

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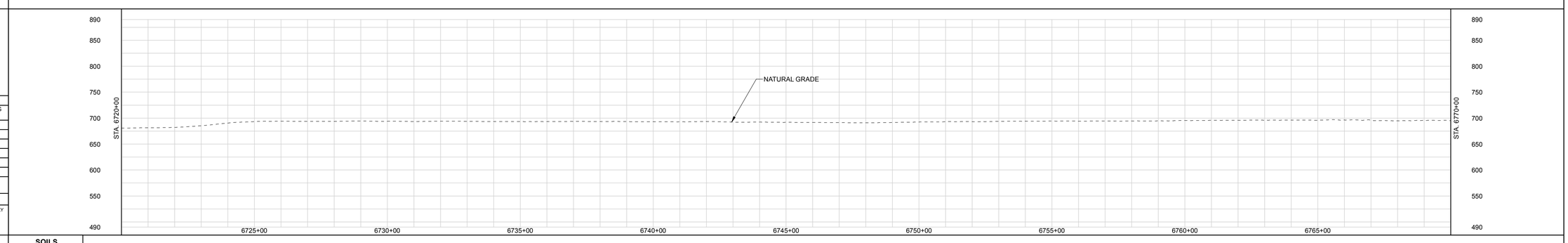

LAND USE CLASSIFICATION

AG	AGRICULTURAL	OP	OPEN	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	W/R	WETLAND/WATERBODY

SOILS
LAND USE
% SLOPE

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
		A			ISSUED FOR FERC			
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

GENERAL NOTES:

1.) ALL STATIONING IS IN U.S. FEET.

2.) CONTOUR LINES AND ELEVATIONS ARE IN U.S. FEET.

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 127.27 to M.P. 128.22
STA. 6720+00 to STA. 6770+00
ALIGNMENT SHEET

LOC. SANDUSKY COUNTY, OHIO

NEXUS GAS TRANSMISSION

21-Apr-2015	W.B.S.	Scale 1" = 200'	WADS-A-1137	REV. A

I.G.#

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