NEXUS GAS TRANSMISSION PROJECT

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

VOLUME II-B – APPENDIX 1A

ALIGNMENT SHEETS – MICHIGAN

Lenawee, Monroe, Washtenaw Counties
MP 202.9 through MP 249.03

RIGHT-OF-WAY

TRACT NUMBERS

10710+00 | MI-LE-001.0000-SC: 691 FT. / 41.9 RODS | 10716+91 | MI-LE-002.0000-SC: 1307 FT. / 79.2 RODS | 10729+98 | MI-LE-003.0000-SC: 1260 FT. / 76.4 RODS | 10742+58 | MI-LE-004.0000-RD: 65 FT. / 3.9 RODS | 10743+23 | MI-LE-006.0000-SC: 1677 FT. / 101.6 RODS | 10760+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 10726+32 PI - 09°30'33" LT

STA. 10742+52 TOP BANK
STA. 10742+57 POWERLINE, CLEARANCE 25 FT
STA. 10742+64 DITCH, DEPTH 1 FT, CONTRIBUTES
STA. 10742+79 TOP BANK
STA. 10742+83 ROAD EDGE
STA. 10742+84 PROPOSED CENTERLINE
STA. 10743+04 ROAD EDGE
STA. 10743+10 TOP BANK
STA. 10743+14 DITCH, DEPTH 0, FT CENTERLINE
STA. 10743+25 TOP BANK

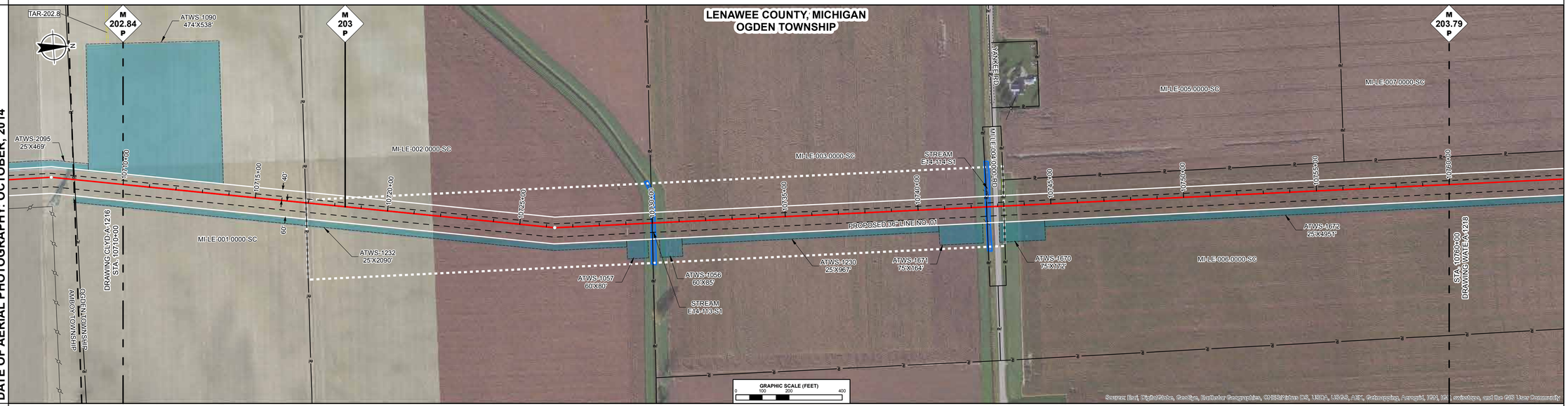
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 10729+92 STREAM TRIB TO TENMILE CREEK E14-113-S1 ENTER
STA. 10730+11 STREAM TRIB TO TENMILE CREEK E14-113-S1 EXIT

STA. 10742+54 STREAM TRIB TO TENMILE CREEK E14-114-S1 ENTER
STA. 10742+72 STREAM TRIB TO TENMILE CREEK E14-114-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

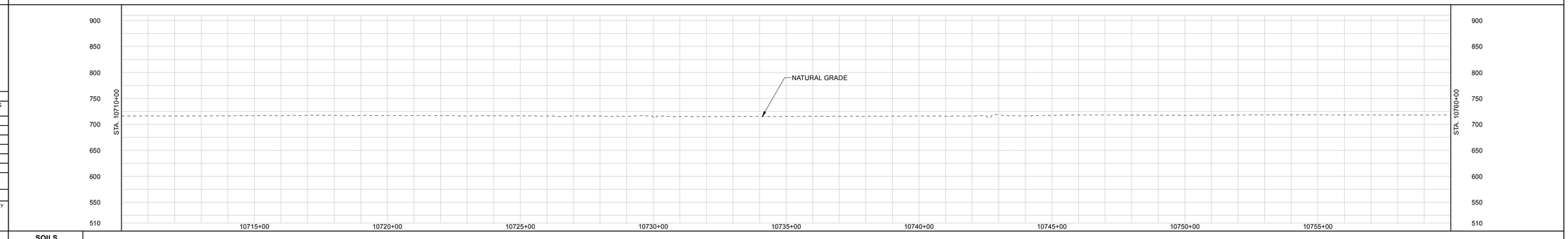
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\265K_OST\ArbRoute NEXUS PROPOSED MAINLINE PIPELINE 217 of 266.pdf - PLOT TIME: 2015-04-22 17:58:12

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

GENERAL NOTES:

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

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

ENGINEERING APPROVALS

DRAWN BY: / TITLE	BID SIGNATURE	BID DATE	CONSTRUCTION SIGNATURE	CONSTRUCTION DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 202.84 to M.P. 203.79
STA. 10710+00 to STA. 10760+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1217	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

10760+00 | MI-LE-006.0000-SC 909 FT. 55.1 RODS | 10769+09 | MI-LE-008.0000-SC 1310 FT. 79.4 RODS | 10782+19 | MI-LE-009.0000-SC 1288 FT. 78.1 RODS | 10795+07 | MI-LE-010.0000-RD 47 FT. 2.8 RODS | 10795+54 | MI-LE-012.0000-SC 416 FT. 25.2 RODS | 10799+70 | MI-LE-013.0000-RR 101 FT. 6.1 RODS | 10800+71 | MI-LE-017.0000-SC 929 FT. 56.3 RODS | 10810+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 10795+04 TOP BANK
STA. 10795+08 POWERLINE. CLEARANCE 25 FT. AGL AT MAX. SAG. DEPTH 0 FT. CENTERLINE
STA. 10795+24 TOP BANK
STA. 10795+36 ROAD EDGE
STA. 10795+38 ROAD. E MULBERRY RD CENTERLINE
STA. 10795+43 ROAD EDGE
STA. 10795+48 TOP BANK
STA. 10795+53 TOE BANK

STA. 10799+54 PI – 37°06'31" LT
STA. 10799+70 FENCE
STA. 10799+76 FENCE
STA. 10799+83 OIL PL
STA. 10800+16 RAILROAD TOE
STA. 10800+27 RAILROAD TOP
STA. 10800+27 RAILROAD CENTERLINE
STA. 10800+38 RAILROAD TOP
STA. 10800+40 RAILROAD TOE
STA. 10800+71 FENCE
STA. 10800+71 FENCE

STA. 10801+61 PI – 48°48'55" RT

STA. 10808+37 PI – 11°42'23" LT

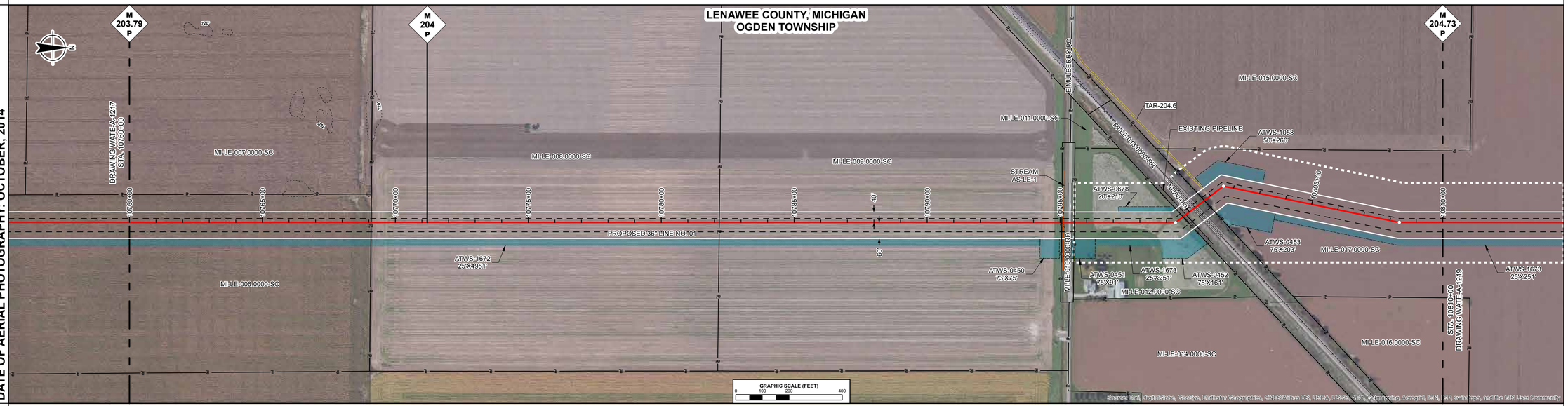
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 10795+11 CENTERLINE OF STREAM AS-LE-1 TRIB TO TENMILE 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

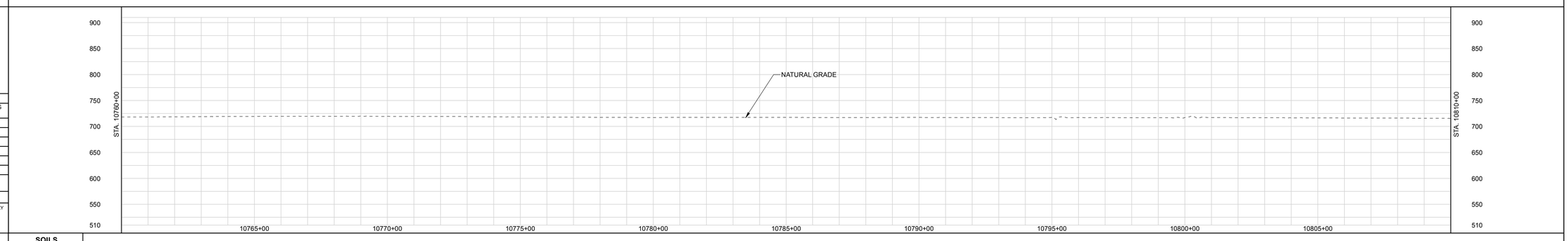
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 203.79 to M.P. 204.73
STA. 10760+00 to STA. 10810+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1218 | 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\205K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 218 of 266.pdf - PLOT TIME: 2015-04-22 18:06:12

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RIGHT-OF-WAY

TRACT NUMBERS

10810+00

MI-LE-017.0000-SC
1184 FT.
71.8 RODS

10821+84

MI-LE-019.0000-SC
2559 FT.
155.1 RODS

10847+43

MI-LE-021.0000-RD
58 FT.
3.5 RODS

10848+01

MI-LE-023.0000-SC
1199 FT.
72.7 RODS

10860+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 10847+57 TOP BANK
STA. 10847+67 POWERLINE.
CLEARANCE 20 FT.
STA. 10847+69 POWERLINE.
CLEARANCE 25 FT.
STA. 10847+85 DITCH, DEPTH
0 FT, CENTERLINE
STA. 10847+74 TOP BANK
STA. 10847+84 ROAD EDGE
STA. 10847+88 PAVED, E
RIDGEVILLE RD
CENTERLINE
STA. 10847+94 ROAD EDGE
STA. 10847+97 TOP BANK
STA. 10848+02 TOE BANK

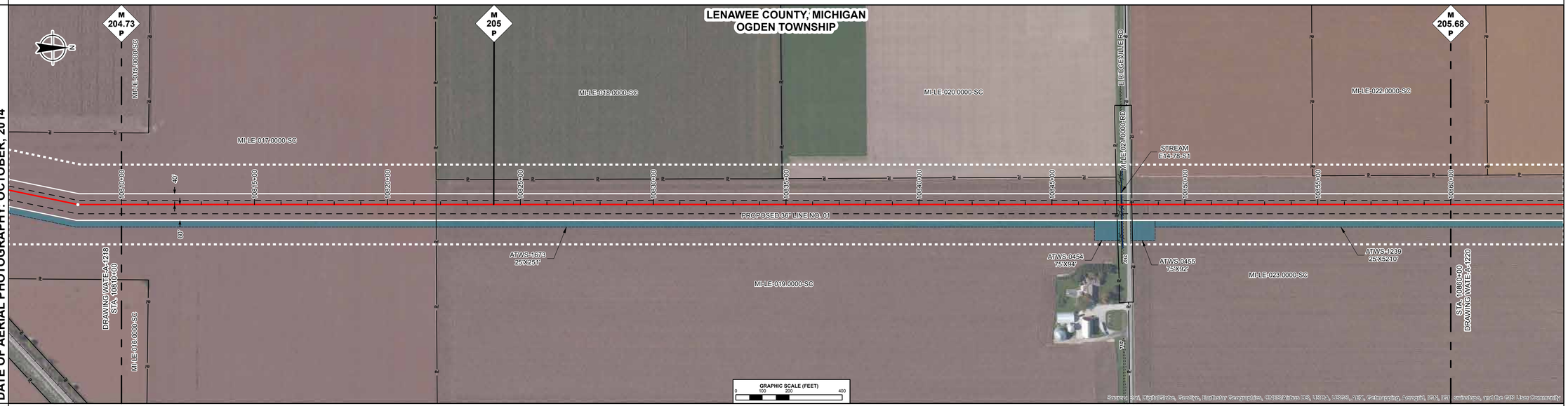
CLASS LOCATION

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. 10847+63 CENTERLINE OF STREAM E14-79-S1 TRIB TO TENMILE 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

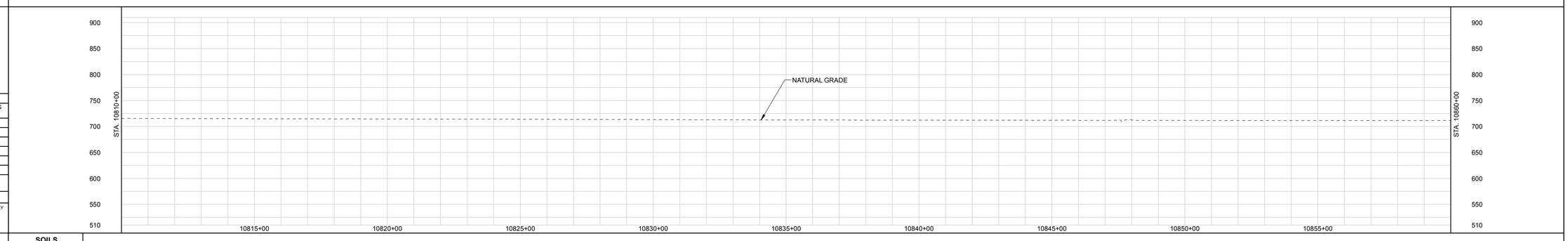
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\205_UPSTREAM_PIPELINE\206K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 219 of 266.pdf - PLOT TIME: 2015-04-22 18:16:16

IG.#

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. 204.73 to M.P. 205.68
STA. 10810+00 to STA. 10860+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1219	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

10860+00 — **MI-LE-023.0000-SC** — 1485 FT. — 90.0 RODS — 10874+85 — **MI-LE-025.0000-SC** — 2738 FT. — 165.9 RODS — 10902+23 — **MI-LE-027.0000-RD** — 43 FT. — 2.6 RODS — 10902+66 — **MI-LE-029.0000-SC** — 734 FT. — 44.5 RODS — 10910+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 10900+40 VALVE FENCE
STA. 10900+65 MLV-17
STA. 10901+08 VALVE FENCE
STA. 10902+18 TOP BANK
STA. 10902+21 POWERLINE.
CLEARANCE 215 FT.
STA. 10902+23 POWERLINE.
CLEARANCE 20 FT.
STA. 10902+26 DITCH, DEPTH 6 FT, CENTERLINE
STA. 10902+33 TOP BANK
STA. 10902+37 ROAD EDGE
STA. 10902+41 PAVED. E WESTON RD. CENTERLINE
STA. 10902+56 ROAD EDGE
STA. 10902+60 TOE BANK
STA. 10902+66 TOE BANK

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (0.0 P)
- 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 WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
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- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
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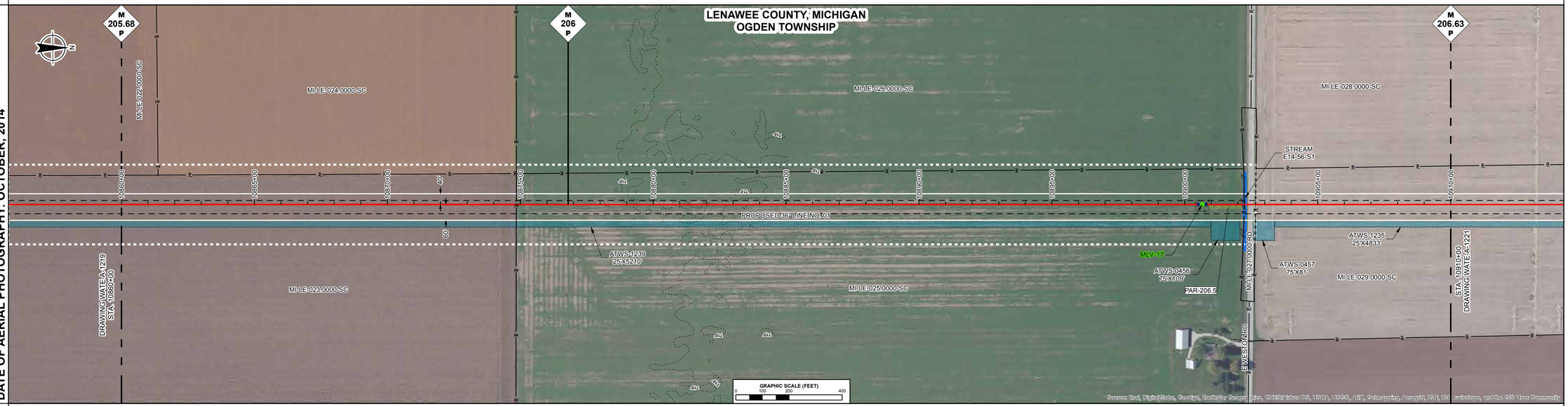
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 10902+21 STREAM TRIB TO TENMILE CREEK E14-56-S1 ENTER
STA. 10902+30 STREAM TRIB TO TENMILE CREEK E14-56-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

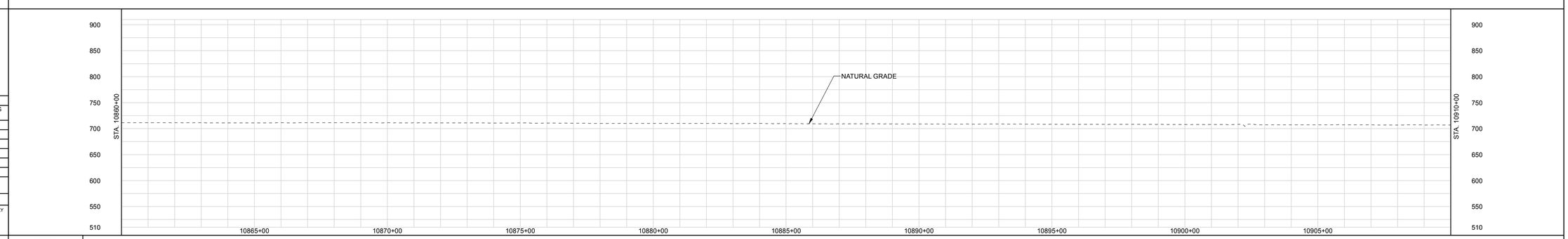
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\265K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 220 x\766.pdf - PLOT TIME: 2015-04-22 18:26:09

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		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:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 205.68 to M.P. 206.63
STA. 10860+00 to STA. 10910+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1220	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

10910+00 | **MI-LE-029.0000-SC** 1790 FT. 108.5 RODS | 10927+90 | **MI-LE-031.0000-SC** 2509 FT. 152.1 RODS | 10952+89 | **MI-LE-033.0000-RD** 42 FT. 2.5 RODS | 10953+41 | **MI-LE-034.0000-SC** 659 FT. 39.9 RODS | 10960+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 10952+87 POWERLINE, CLEARANCE 25 FT.
STA. 10952+93 TOP BANK
STA. 10953+01 DITCH, 1 FT DEPTH
0 FT, CENTERLINE
STA. 10953+10 TOP BANK
STA. 10953+14 ROAD, FORGE
STA. 10953+24 PAVED, FIKE RD CENTERLINE
STA. 10953+30 FORGE
STA. 10953+34 TOP BANK
STA. 10953+42 TOE BANK

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- PIPELINE
- INTERCONNECTING PIPELINE
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
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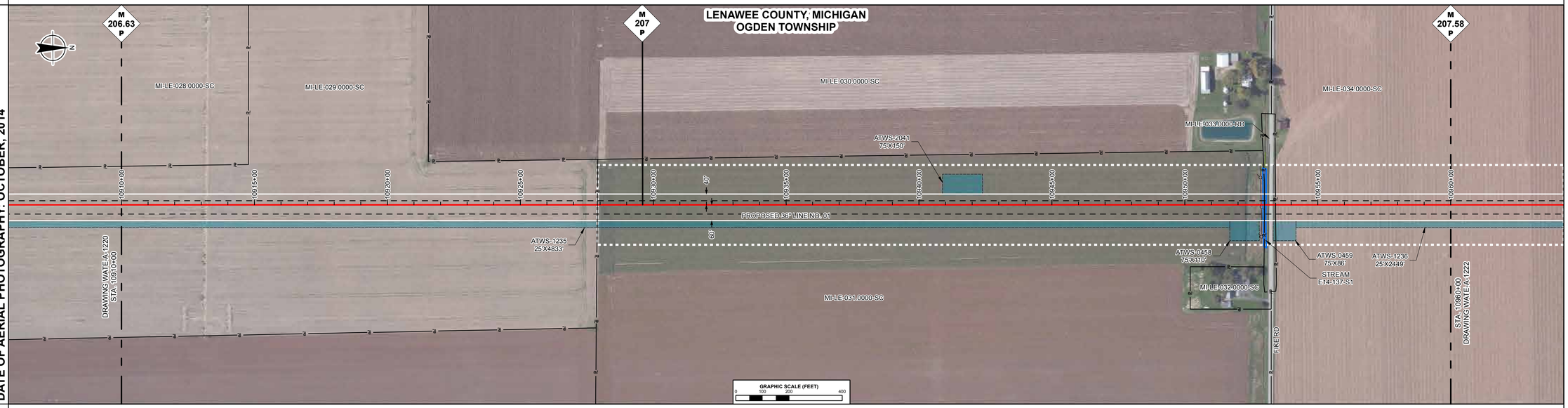
- DELINEATED WATERBODY BANK
- DELINEATED WATERBODY CENTERLINE
- APPROXIMATE WETLAND BOUNDARY
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY 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



STA. 10952+93 STREAM TRIB TO CLEMENT DRAIN E14-137-S1 ENTER
STA. 10953+05 STREAM TRIB TO CLEMENT DRAIN E14-137-S1 EXIT

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

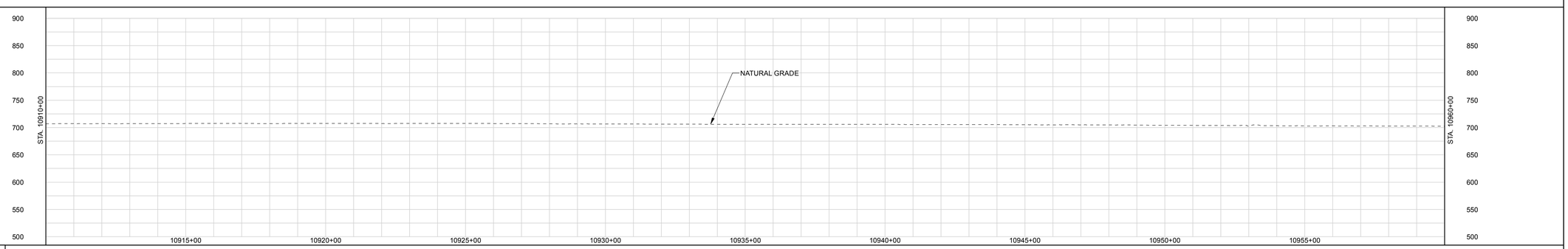
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\2904_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 231 of 266.pdf - PLOT TIME: 2015-04-22 18:36:13

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. 206.63 to M.P. 207.58
STA. 10910+00 to STA. 10960+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1221	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

10960+00 — **MI-LE-034.0000-SC** — 1978 FT. — 119.9 RODS — 10979+78 — **MI-LE-035.0000-SC** — 2733 FT. — 165.6 RODS — 11007+11 — **MI-LE-037.0000-RD** — 40 FT. — 2.4 RODS — 11007+51 — **MI-LE-038.0100-SC** — 249 FT. — 15.1 RODS — 11010+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11007+08 TOP BANK
STA. 11007+08 POWERLINE, CLEARANCE 25 FT.
STA. 11007+13 TOP DEPTH 10 FT. CENTERLINE
STA. 11007+21 TOP BANK
STA. 11007+27 ROAD EDGE
STA. 11007+36 ROAD EDGE HORTON CENTERLINE
STA. 11007+45 ROAD EDGE
STA. 11007+48 TOP BANK
STA. 11007+52 TOE BANK

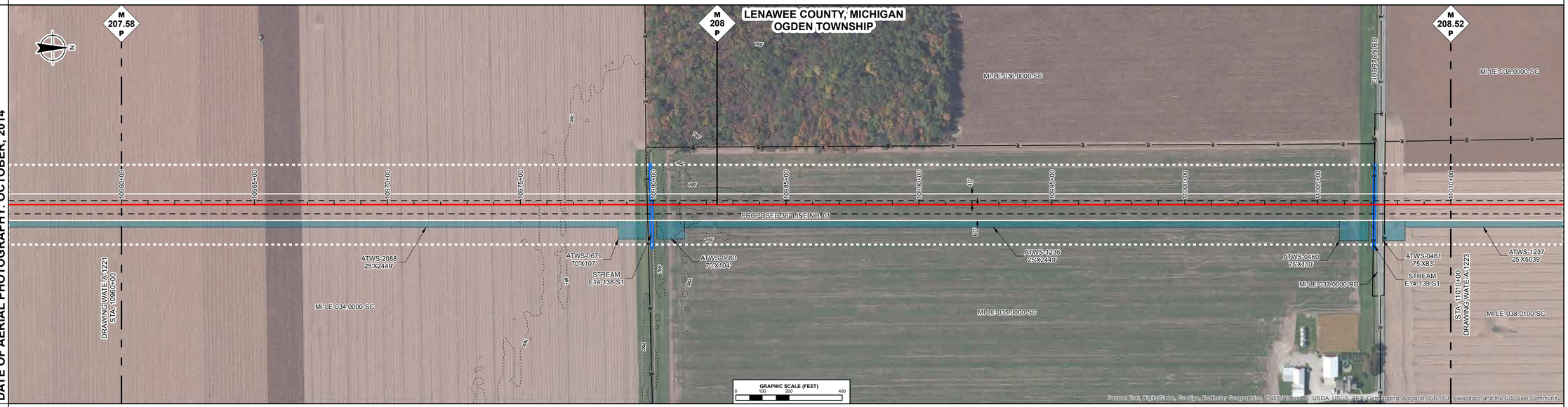
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 10979+98 STREAM TRIB TO CLEMENT DRAIN E14-138-S1 ENTER
STA. 10980+00 STREAM TRIB TO CLEMENT DRAIN E14-138-S1 EXIT

STA. 11007+08 STREAM TRIB TO CLEMENT DRAIN E14-139-S1 ENTER
STA. 11007+18 STREAM TRIB TO CLEMENT DRAIN E14-139-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

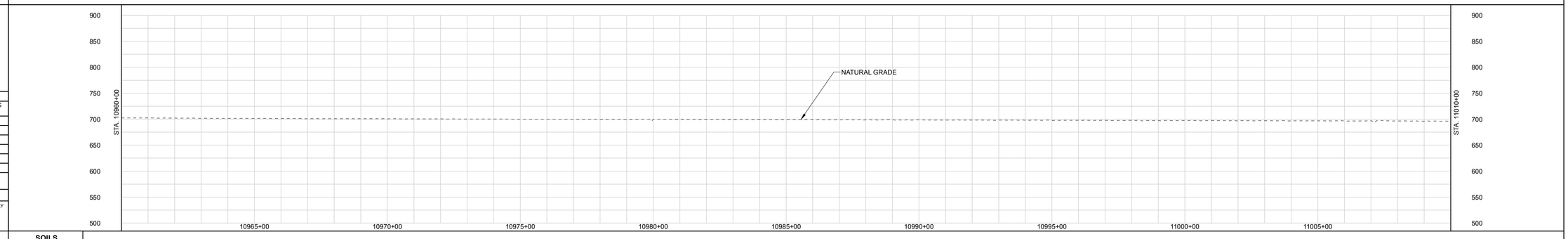
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 207.58 to M.P. 208.52
STA. 10960+00 to STA. 11010+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

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

23-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1222 | REV. A

P:\205_UPSTREAM_PIPELINE\205K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 222.v1\266.pdf PLOT TIME: 2015-04-23 08:44:46

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11010+00	MI-LE-038.0100-SC	11019+57	MI-LE-039.0000-SC	11031+65	MI-LE-041.0000-SC	11059+63	MI-LE-041.0000.01-RD	11059+78	MI-LE-042.0000-SC	11060+00
	957 FT.		1208 FT.		2798 FT.		15 FT.		22 FT.	
	58.0 RODS		73.2 RODS		169.6 RODS		0.9 RODS		1.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11028+21 PI – 04°29'30" LT

STA. 11059+38 POWERLINE, CLEARANCE 20 FT.
STA. 11059+38 POWERLINE, CLEARANCE 25 FT.
STA. 11059+54 ROAD EDGE
STA. 11059+65 PAVED. CENTER LINE
STA. 11059+76 ROAD EDGE
STA. 11059+77 TOP BANK
STA. 11059+78 TOP BANK
STA. 11059+82 TOE BANK
STA. 11059+82 DITCH, DEPTH 5 FT. CENTER LINE
STA. 11059+87 TOP BANK
STA. 11059+87 TOP BANK

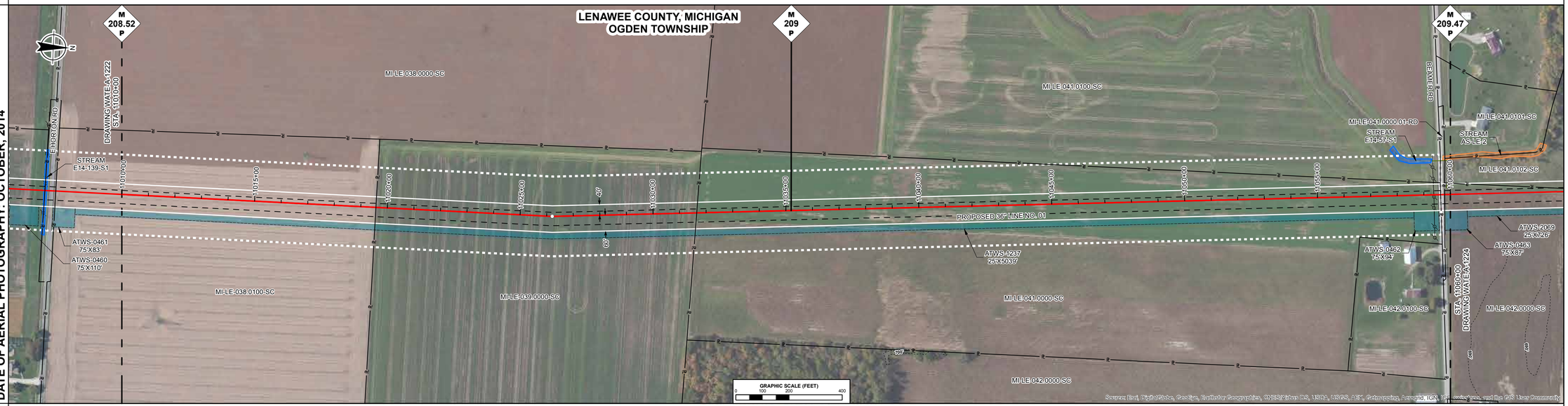
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (◇ 0.0 P)
- 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 (F)
SLOPE BREAKERS (○)
TRENCH PLUG (▲)

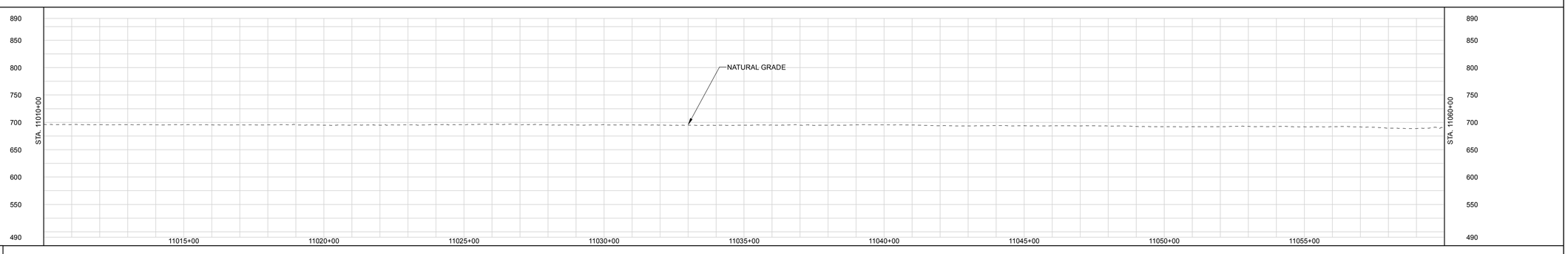
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\265K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 22Jul\266.pdf PLOT TIME: 2015-04-23 08:47:01

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

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. 208.52 to M.P. 209.47
STA. 11010+00 to STA. 11060+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1223	REV. A

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

Station	Tract	Length (FT.)	Length (RODS)
11060+00 – 11065+97	MI-LE-042.0000-SC	597 FT.	36.2 RODS
11065+97 – 11076+17	MI-LE-041.0102-SC	1020 FT.	61.8 RODS
11076+17 – 11076+55	MI-LE-041.0102.01-WB	37 FT.	2.2 RODS
11076+55 – 11096+88	MI-LE-041.0103-SC	2033 FT.	123.2 RODS
11096+88 – 11097+23	MI-LE-049.0000-RD	35 FT.	2.1 RODS
11097+23 – 11101+13	MI-LE-046.0000-SC	390 FT.	23.6 RODS
11101+13 – 11110+00	MI-LE-050.0000-SC	887 FT.	53.8 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11072+96 PI ~ 11°41'56" RT

STA. 11075+40 TOP BANK
STA. 11075+81 WATER EDGE
STA. 11075+89 MUNICIPALITY LINE
STA. 11076+19 RIVER, DEPTH 9.8 FT. CENTERLINE
STA. 11076+57 WATER EDGE
STA. 11076+70 TOP BANK

STA. 11096+89 ROAD EDGE
STA. 11097+01 GRAVEL, E GORMAN RD CENTERLINE
STA. 11097+12 ROAD EDGE
STA. 11097+15 TOP BANK
STA. 11097+25 DITCH, DEPTH 0 FT. CENTERLINE
STA. 11097+32 POWERLINE, CLEARANCE 20 FT.
STA. 11097+34 TOP BANK

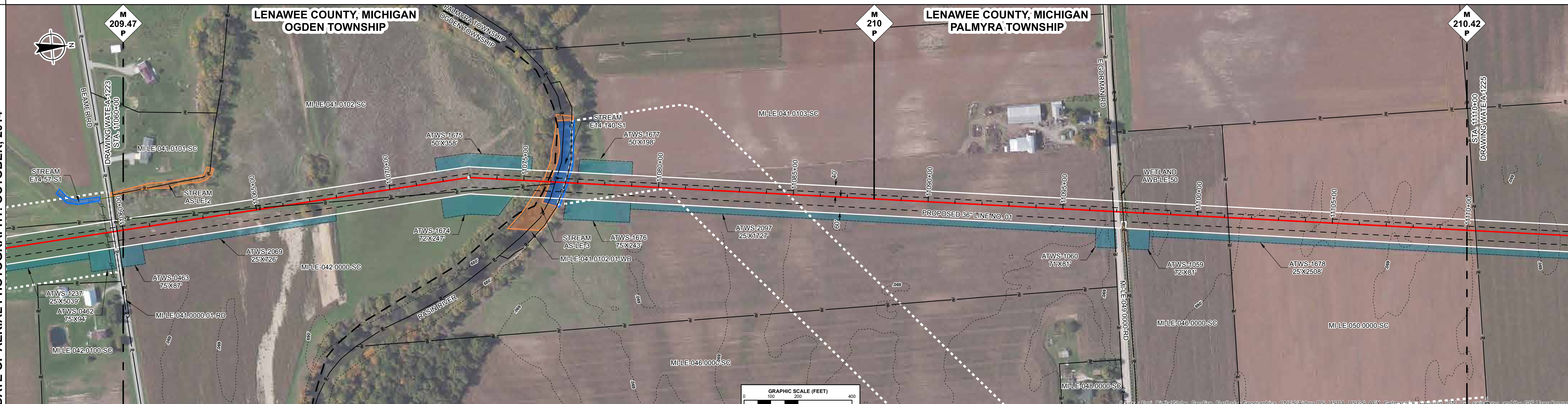
CLASS LOCATION

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. 11075+34 STREAM RIVER RAISIN AS-LE-3 ENTER
STA. 11075+78 STREAM RIVER RAISIN E14-140-S1 ENTER
STA. 11076+10 STREAM RIVER RAISIN AS-LE-3 EXIT
STA. 11076+73 STREAM RIVER RAISIN E14-140-S1 EXIT

STA. 11097+13 WETLAND AWB-LE-50 ENTER
STA. 11097+32 WETLAND AWB-LE-50 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

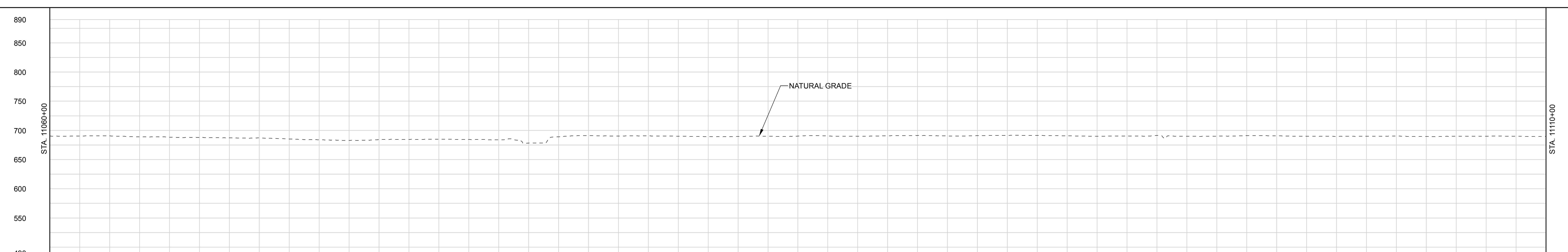
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 209.47 to M.P. 210.42
STA. 11060+00 to STA. 11110+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1224	REV. A

IG #

RIGHT-OF-WAY

TRACT NUMBERS

11110+00	MI-LE-050.0000-SC	11110+32		11123+49	MI-LE-052.0000-SC		MI-LE-058.0000-SC		11146+50	MI-LE-059.0000-RD	11147+09	MI-LE-060.0000-SC	11148+95	MI-LE-061.0000-SC	11160+00
	32 FT.				1317 FT.		2301 FT.			58 FT.		186 FT.		1105 FT.	
	1.9 RODS				79.8 RODS		139.5 RODS			3.5 RODS		11.3 RODS		67.0 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11148+21 TOE BANK
STA. 11148+29 TOP BANK
STA. 11148+52 EDGE PAVED
STA. 11148+52 PAVED SH 223 CENTERLINE
STA. 11148+74 TOP BANK
STA. 11149+89 DITCH, DEPTH 0 FT. <CENTERLINE
STA. 11149+89 POWERLINE, CLEARANCE 20 FT.
STA. 11147+07 TOP BANK

STA. 11152+69 PI – 20°29'53" RT

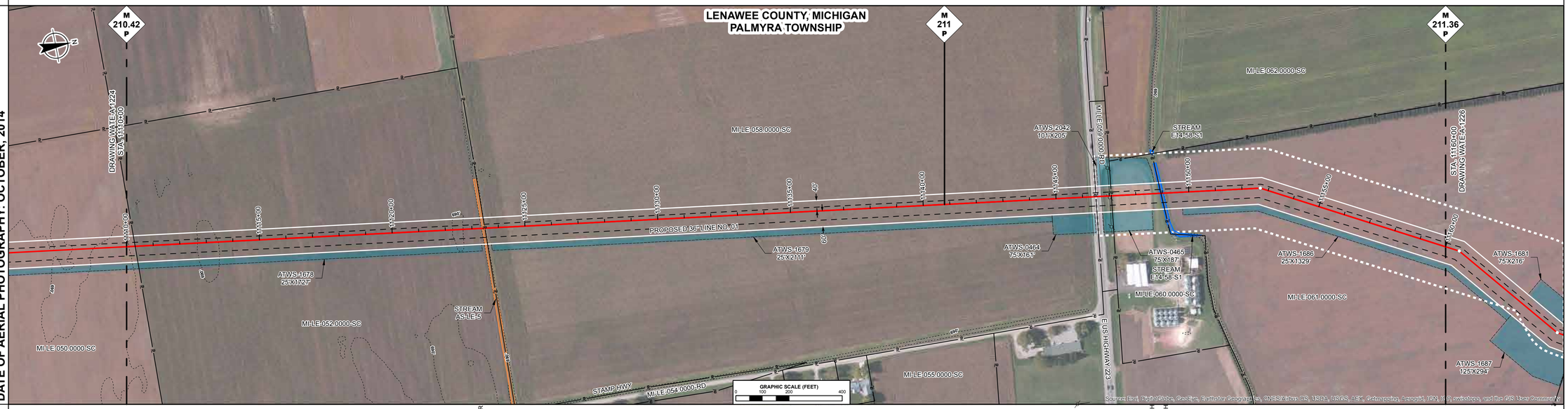
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W)
- RAILROAD TRACK
- TELEPHONE (T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11123+35 STREAM TRIB TO RIVER RAISIN AS-LE-5 ENTER
STA. 11123+43 STREAM TRIB TO RIVER RAISIN AS-LE-5 EXIT

STA. 11148+85 STREAM GOODRICH DRAIN E14-58-S1 ENTER
STA. 11149+14 STREAM GOODRICH DRAIN E14-58-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

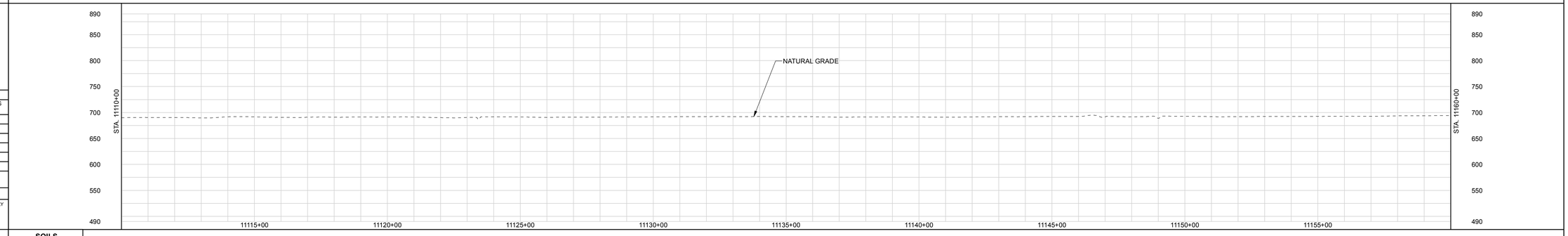
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

REV	DSN	CK	DESCRIPTION	ITEM NO.	DESCRIPTION	LN. FT.
A			ISSUED FOR FERC			

REFERENCE DRAWINGS | REVISIONS | MATERIALS

DWG. NO. | DESCRIPTION

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 210.42 to M.P. 211.36
STA. 11110+00 to STA. 11160+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1225	REV. A

IG.#

P:\295_UPSTREAM_PIPELINE\E295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 22x34 295.apt - PLOT TIME: 2015-04-23 08:51:42

RIGHT-OF-WAY

TRACT NUMBERS

11160+00 | MI-LE-061.0000-SC: 607 FT. / 36.8 RODS | 11168+07 | MI-LE-063.0000-RR: 71 FT. / 4.3 RODS | 11168+78 | MI-LE-063.0100-RD: 45 FT. / 2.7 RODS | 11167+23 | MI-LE-066.0000-SC: 1235 FT. / 74.8 RODS | 11179+58 | MI-LE-068.0000-SC: 2651 FT. / 160.7 RODS | 11206+09 | MI-LE-070.0000-SC: 391 FT. / 23.7 RODS | 11210+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11160+54 PI – 22°16'38" RT

STA. 11165+34 PI – 19°59'15" LT
STA. 11166+37 POWERLINE, CLEARANCE 30 FT.
STA. 11166+39 RAILROAD TOE
STA. 11166+51 RAILROAD TOP
STA. 11166+56 RAILROAD CENTERLINE
STA. 11166+62 RAILROAD TOP
STA. 11166+73 RAILROAD TOE
STA. CLEARANCE 23 FT.
STA. 11166+86 POWERLINE.

STA. 11166+88 ABOVEGROUND, FIBER
STA. 11167+04 ROAD, PAVED
STA. 11167+04 PAVED, DRIGGS RD CENTERLINE
STA. 11167+14 ROAD EDGE
STA. 11167+18 ROAD, DIRT
STA. 11167+27 DITCH, DEPTH 10 FT. CENTERLINE
STA. 11167+38 TOP BANK

STA. 11167+56 PI – 30°29'02" LT

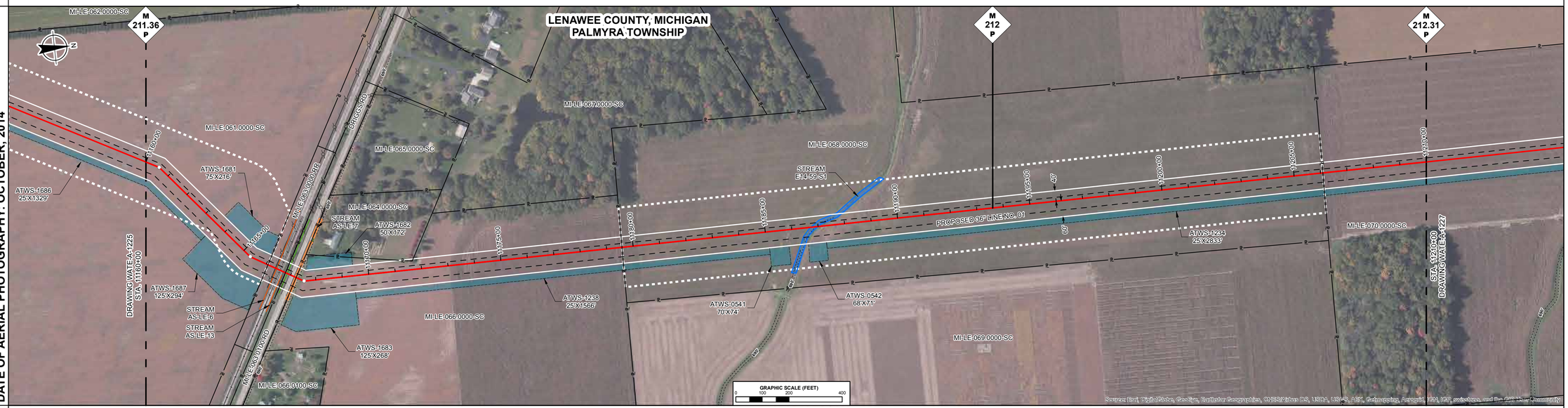
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (0.0 P)
- 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. 11166+42 CENTERLINE OF STREAM AS-LE-6 TRIB TO GOODRICH DRAIN
STA. 11166+43 STREAM TRIB TO GOODRICH DRAIN AS-LE-7 ENTER
STA. 11167+28 STREAM TRIB TO GOODRICH DRAIN AS-LE-7 EXIT

STA. 11186+29 STREAM TRIB TO GOODRICH DRAIN E14-59-S1 ENTER
STA. 11187+93 STREAM TRIB TO GOODRICH DRAIN E14-59-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

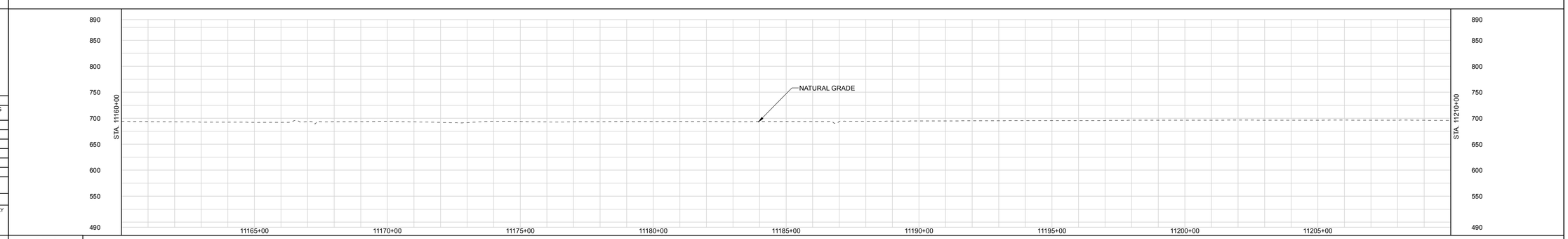
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 211.36 to M.P. 212.31
STA. 11160+00 to STA. 11210+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1226	REV. A

P:\265_UPSTREAM_PIPELINE\299K GIS\ToddBrown NEXUS PROPOSED MAINLINE PIPELINE 226.of.266.pdf PLOT TIME: 2015-04-23 08:54:02

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

112+00

MI-LE-070.0000-SC
2246 FT.
136.1 RODS

112+46 | **MI-LE-072.0000-RD** 64 FT. 3.9 RODS | 112+10

MI-LE-073.0000-SC
2623 FT.
159.0 RODS

112+59+33 | **MI-LE-074.0000-SC** 67 FT. 4.1 RODS | 113+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11232+51 TOP BANK
STA. 11232+57 DITCH, DEPTH 6 FT.
STA. 11232+67 CENTERLINE
STA. 11232+67 TOP BANK
STA. 11232+67 ROAD EDGE
STA. 11232+78 PAVED.
ROUGET RD.
CENTERLINE
STA. 11232+88 ROAD EDGE
STA. 11232+98 TOP BANK
STA. 11233+95 TOE BANK
STA. 11233+07 POWERLINE.
CLEARANCE 35 FT.

STA. 11259+05 GAS PL
STA. 11257+35 GAS PL
STA. 11259+20 POWERLINE.
CLEARANCE 30 FT.
STA. 11259+46 POWERLINE.
CLEARANCE 30 FT.
STA. 11259+46 PI – 35°52'05" RT
STA. 11259+53 POWERLINE.
CLEARANCE 30 FT.
STA. 11259+06 POWERLINE.
CLEARANCE 30 FT.
STA. 11259+20 POWERLINE.
CLEARANCE 30 FT.
STA. 11259+46 POWERLINE.
CLEARANCE 30 FT.

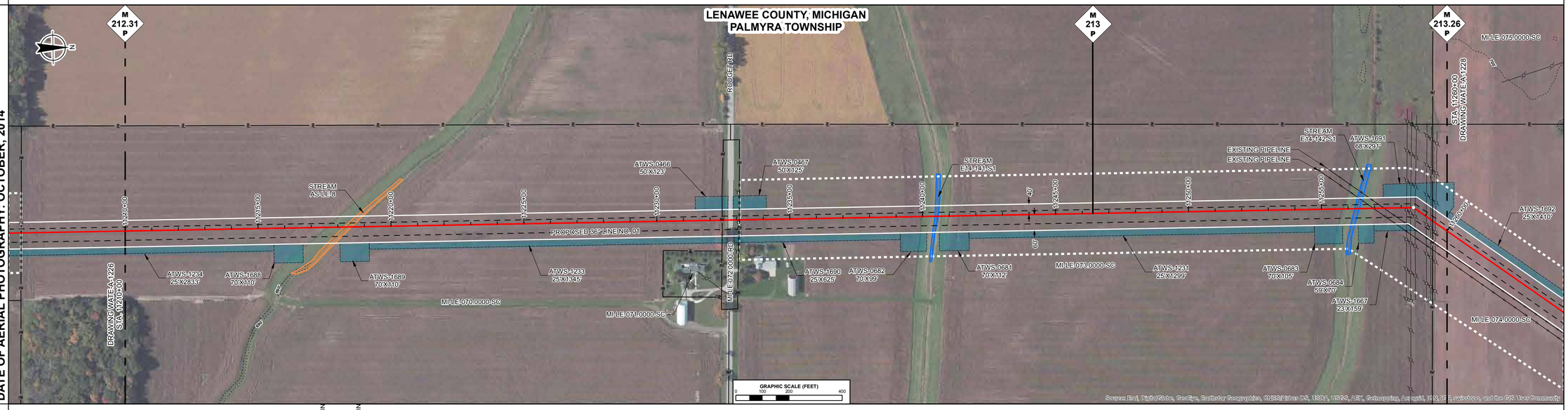
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11217+59 STREAM HILL DRAIN AS-LE-8 ENTER
STA. 11218+94 STREAM HILL DRAIN AS-LE-8 EXIT

STA. 11240+36 STREAM PEASE DRAIN E14-141-S1 ENTER
STA. 11240+63 STREAM PEASE DRAIN E14-141-S1 EXIT

STA. 11256+09 STREAM COLVIN DRAIN E14-142-S1 ENTER
STA. 11256+58 STREAM COLVIN DRAIN E14-142-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

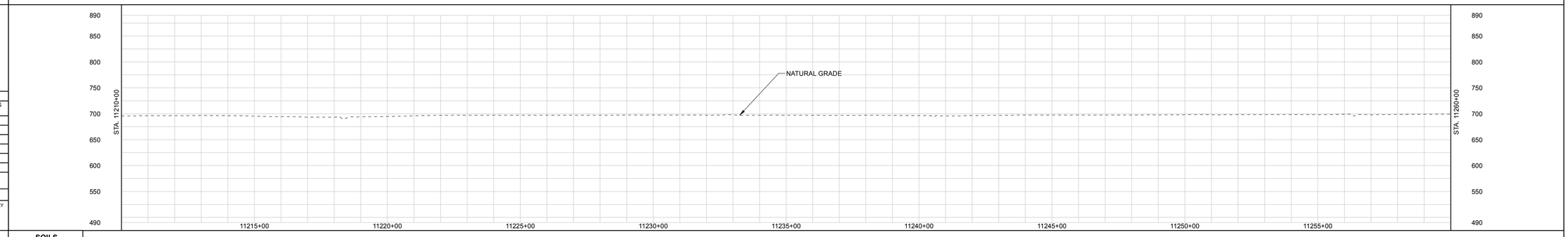
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 212.31 to M.P. 213.26
STA. 11210+00 to STA. 11260+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1227	REV. A

IG.#

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 221 to 265.pdf - PLOT TIME: 2015-04-23 08:56:26

RIGHT-OF-WAY

TRACT NUMBERS

11260+00	MI-LE-074.0000-SC 741 FT. 44.9 RODS	11267+41	MI-LE-075.0000-SC 807 FT. 48.9 RODS	11275+48	MI-LE-077.0000-SC 806 FT. 48.8 RODS	11283+54	MI-LE-078.0000-SC 805 FT. 48.8 RODS	11291+59	MI-LE-081.0000-SC 692 FT. 41.9 RODS	11298+51	MI-LE-079.0000-RD 92 FT. 5.6 RODS	11299+43	MI-LE-080.0000-SC 814 FT. 49.3 RODS	11307+57	MI-LE-083.0000-SC 243 FT. 14.7 RODS	11310+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11275+48 FIELD ROAD (LIDAR) EDGE
STA. 11276+46 POPE RD (SCALED) CENTERLINE
STA. 11275+62 FIELD ROAD (LIDAR) EDGE

STA. 11291+59 PI – 090°13'48" RT

STA. 11298+50 PI – 03°31'38"
STA. 11298+44 TOP BANK
STA. 11298+54 DITCH, DEPTH 0 FT, CENTERLINE
STA. 11298+66 TOP BANK
STA. 11298+70 ROAD EDGE
STA. 11298+91 PAVED, WELLSVILLE HWY CENTERLINE
STA. 11298+94 MUNICIPALITY LINE
STA. 11299+11 ROAD EDGE
STA. 11299+17 TOP BANK
STA. 11299+23 DITCH, DEPTH 0 FT, CENTERLINE
STA. 11299+29 TOP BANK

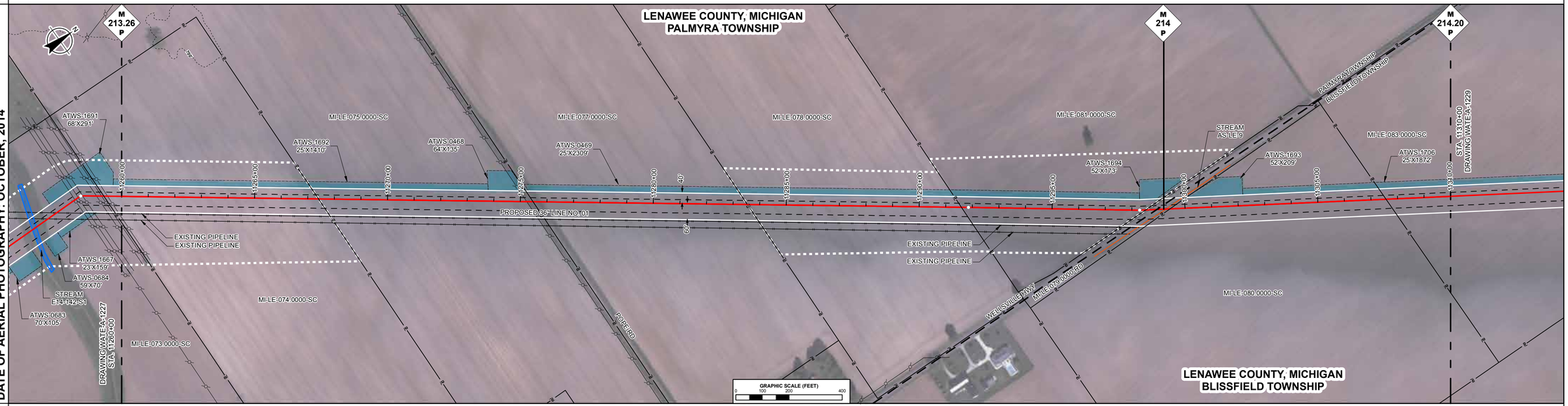
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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. 11298+28 CENTERLINE OF STREAM AS-LE-9 FLOWING TO LITTLE RIVER RAISIN

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

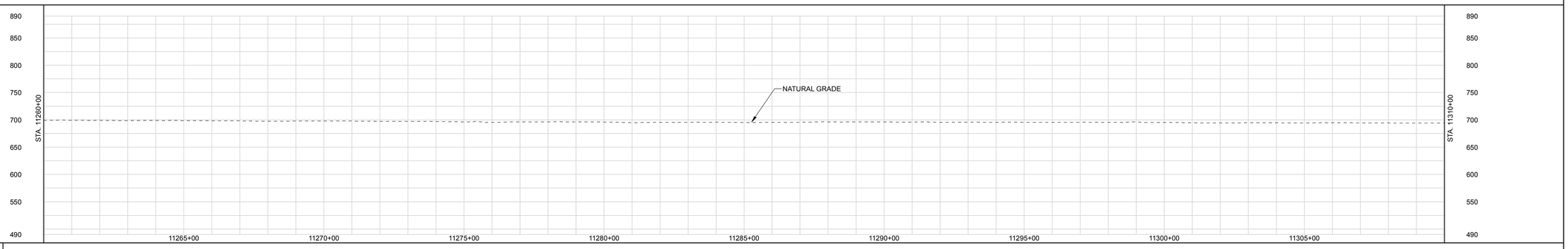
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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			

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 213.26 to M.P. 214.20
STA. 11260+00 to STA. 11310+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

24-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1228	REV. A

P:\205_UPSTREAM_PIPELINE\209K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 228.mxf\266.pdf PLOT TIME: 2015-04-24 17:58:16

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11310+00	MI-LE-083.0000-SC	11322+26	MI-LE-085.0000-RD	11323+07	MI-LE-086.0000-SC	11327+49	MI-LE-087.0000-SC	11337+22	MI-LE-088.0000-SC	13338+92	MI-LE-090.0000-SC	11348+94	MI-LE-092.0000-SC	11354+86	MI-LE-094.0000-RD	11356+09	MI-LE-096.0000-SC	11360+00
	1226 FT.		81 FT.		442 FT.		973 FT.		170 FT.		1002 FT.		592 FT.		122 FT.		392 FT.	
	74.3 RODS		4.9 RODS		26.8 RODS		59.0 RODS		10.3 RODS		60.7 RODS		35.9 RODS		7.4 RODS		23.8 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11320+57 PI – 30°34'33" LT

STA. 11322+37 POWERLINE, CLEARANCE 25 FT.
STA. 11322+38 TOP BANK
STA. 11322+43 DITCH, DEPTH 0 FT, CENTERLINE
STA. 11322+53 TOP BANK
STA. 11322+53 ROAD EDGE
STA. 11322+64 PAVED, DEERFIELD RD CENTERLINE
STA. 11322+78 ROAD EDGE
STA. 11322+83 TOP BANK
STA. 11322+83 TOP BANK

STA. 11323+45 PI – 31°16'03" RT

STA. 11327+64 PI – 02°53'18" RT

STA. 13347+09 PI – 00°11'55" RT

STA. 11354+92 TOP BANK
STA. 11354+98 POWERLINE, CLEARANCE 25 FT.
STA. 11356+08 DITCH, DEPTH 0 FT, CENTERLINE
STA. 11356+17 TOP BANK
STA. 11356+19 ROAD EDGE
STA. 11356+31 PAVED, FORCHE RD CENTERLINE
STA. 11356+42 ROAD EDGE
STA. 11356+48 TOP BANK
STA. 11356+56 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 11356+71 TOP BANK

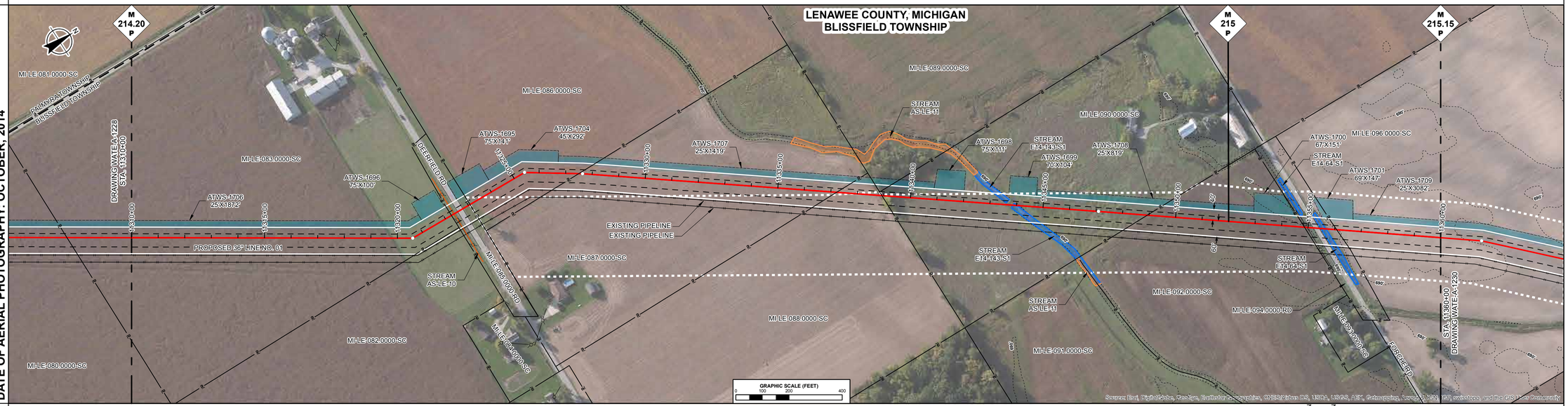
CLASS LOCATION

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. 11322+38 CENTERLINE OF STREAM AS-LE-10 TRIB TO LITTLE RIVER RAISIN

STA. 11342+78 STREAM LITTLE RIVER RAISIN E14-143-S1 ENTER
STA. 11343+71 STREAM LITTLE RIVER RAISIN E14-143-S1 EXIT
STA. 11343+82 STREAM LITTLE RIVER RAISIN E14-143-S1 ENTER
STA. 11344+95 STREAM LITTLE RIVER RAISIN E14-143-S1 EXIT

STA. 11355+21 STREAM FRY DRAIN E14-64-S1 ENTER
STA. 11356+13 STREAM FRY DRAIN E14-64-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

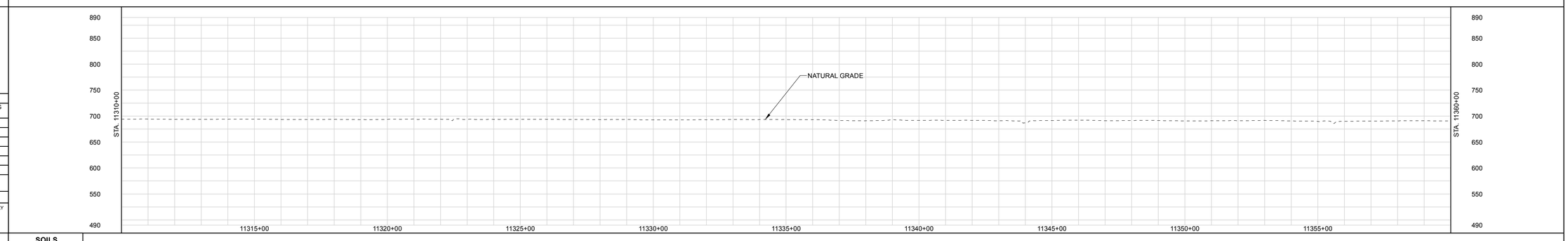
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\299K GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 229-of-266.pdf PLOT TIME: 2015-04-23 07:51:49

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		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. 214.20 to M.P. 215.15
STA. 11310+00 to STA. 11360+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1229	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

11360+00	MI-LE-096.0000-SC	11369+96	MI-LE-095.0000-SC	11372+91	MI-LE-098.0000-SC	11379+45	MI-LE-097.0000-SC	11382+16	MI-LE-099.0000-SC	11387+63	MI-LE-100.0000-RD	11388+09	MI-LE-104.0000-SC	11404+06	MI-LE-105.0000-SC	11410+00
	996 FT. 60.4 RODS		295 FT. 17.9 RODS		654 FT. 39.6 RODS		271 FT. 16.4 RODS		547 FT. 33.2 RODS		46 FT. 2.8 RODS		1597 FT. 96.8 RODS		594 FT. 36.0 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11361+54 PI – 091°13'24" RT

STA. 11386+96 PI – 45°30'23" RT
STA. 11387+53 POWERLINE.
STA. 11387+67 TOP BANK
STA. 11387+67 TOP BANK
STA. 11387+70 DITCH, DEPTH 01 FT. CENTERLINE
STA. 11387+78 TOE BANK
STA. 11387+78 ROAD EDGE
STA. 11387+88 PAVED, S BLISSFIELD HWY CENTERLINE
STA. 11387+98 ROAD EDGE
STA. 11388+05 TOP BANK
STA. 11388+05 TOE BANK

STA. 11389+72 PI – 23°42'02" LT

STA. 11390+53 PI – 26°10'41" LT

STA. 11404+70 PI – 09°38'21" LT

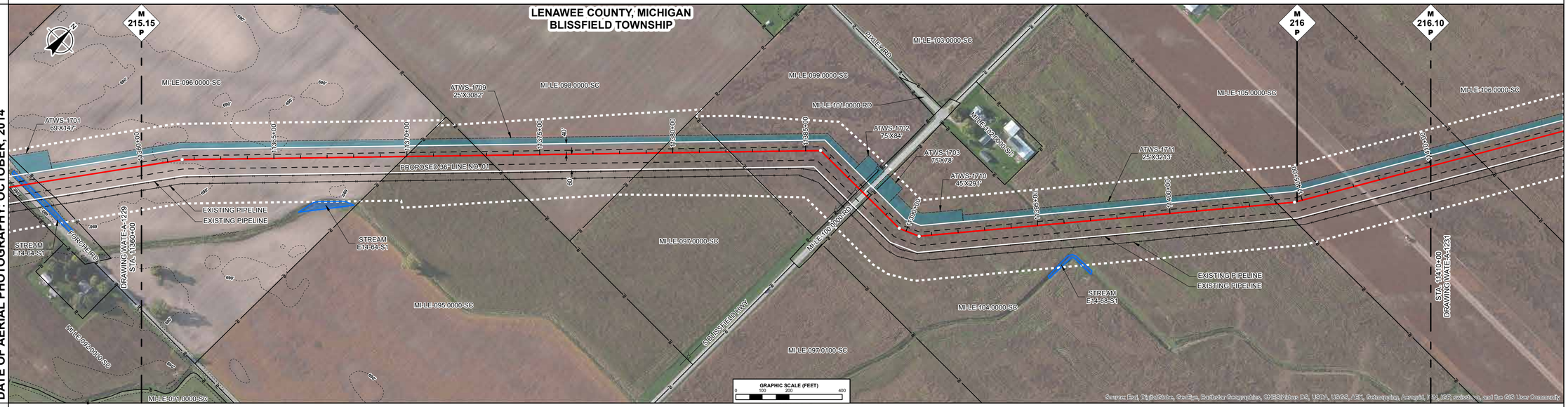
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (◇ 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- 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 (▲)

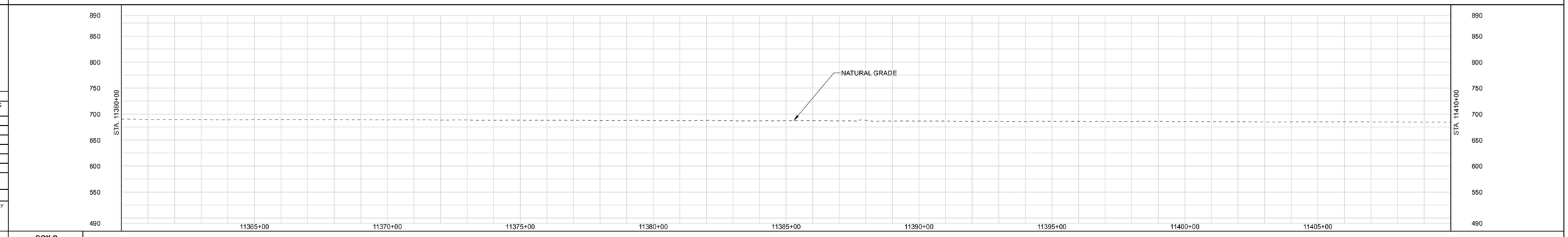
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.
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. 215.15 to M.P. 216.10
STA. 11360+00 to STA. 11410+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1230	REV. A

P:\295_UPSTREAM_PIPELINE\295K_GIS\ArcMap\Nexus PROPOSED MAINLINE PIPELINE 20in\ 295Kpdf - PLOT TIME: 2015-04-23 07:58:26

RIGHT-OF-WAY

TRACT NUMBERS

11410+00 | MI-LE-105.0000-SC | 170 FT. | 10.3 RODS | 11411+70

MI-LE-106.0000-SC | 1481 FT. | 89.8 RODS

11426+51 | MI-LE-108.0000-RD | 61 FT. | 3.7 RODS | 11427+11

MI-LE-109.0000-SC | 586 FT. | 35.5 RODS | 11432+97

MI-LE-111.0000-SC | 2593 FT. | 157.2 RODS

11458+90 | MI-LE-113.0000-RD | 68 FT. | 4.1 RODS | 11459+58

MI-LE-114.0000-SC | 42 FT. | 2.5 RODS | 11460+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11426+49 TOP BANK
STA. 11426+60 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 11426+77 TOP BANK
STA. 11426+77 ROAD EDGE
STA. 11426+91 PAVED, MCMAHON RD CENTERLINE
STA. 11427+05 ROAD EDGE
STA. 11427+18 TOP BANK
STA. 11427+35 TOP BANK

STA. 11428+37 PI – 05°10'48" RT

STA. 11442+83 PI – 00°06'02" LT

STA. 11455+56 PI – 00°37'48" LT
STA. 11458+85 TOP BANK
STA. 11458+85 POWERLINE.
STA. 11458+98 TOP BANK
STA. 11459+08 DITCH, DEPTH 1.0 FT. CENTERLINE

STA. 11459+34 PI – 01°26'43" RT
STA. 11459+13 TOP BANK
STA. 11459+13 CULVERT
STA. 11459+14 ROAD EDGE
STA. 11459+24 POWERLINE.
STA. 11459+38 ROAD EDGE
STA. 11459+40 TOP BANK
STA. 11459+46 DITCH, DEPTH 0 FT. CENTERLINE
STA. 11459+52 TOP BANK
STA. 11459+62 UNDERGROUND TELEPHONE
CLEARANCE 20 FT. FROM EXISTING GARNO RD CENTERLINE.

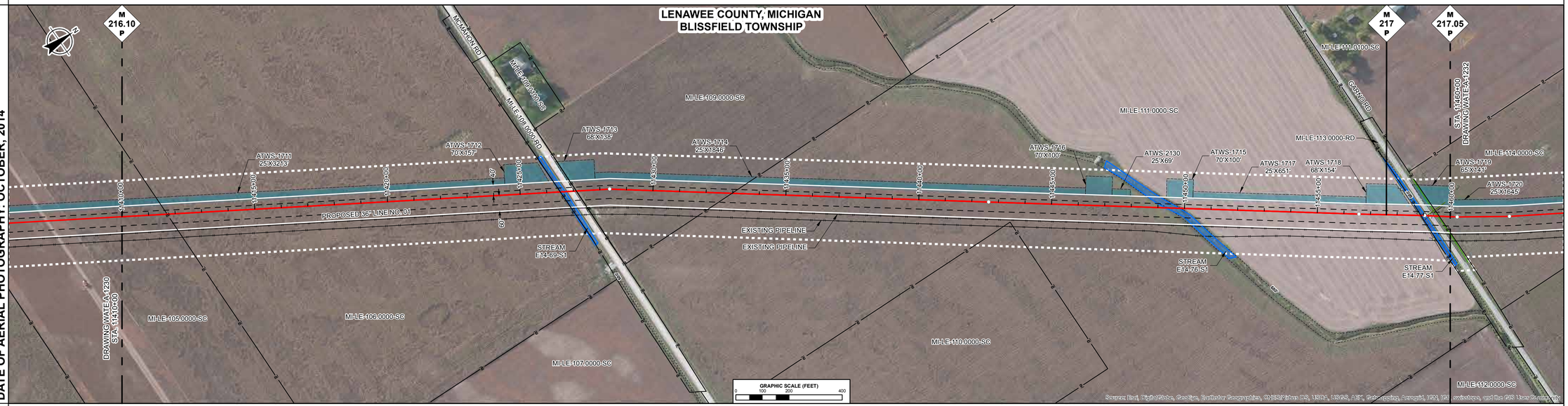
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 11426+27 STREAM ISLEY DRAIN E14-69-S1 ENTER
STA. 11427+03 STREAM ISLEY DRAIN E14-69-S1 EXIT
STA. 11448+60 STREAM SWAMP RAISIN CREEK E14-76-S1 ENTER
STA. 11450+63 STREAM SWAMP RAISIN CREEK E14-76-S1 EXIT
STA. 11458+63 STREAM TRIB TO SWAMP RAISIN CREEK E14-77-S1 ENTER
STA. 11459+50 STREAM TRIB TO SWAMP RAISIN CREEK E14-77-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

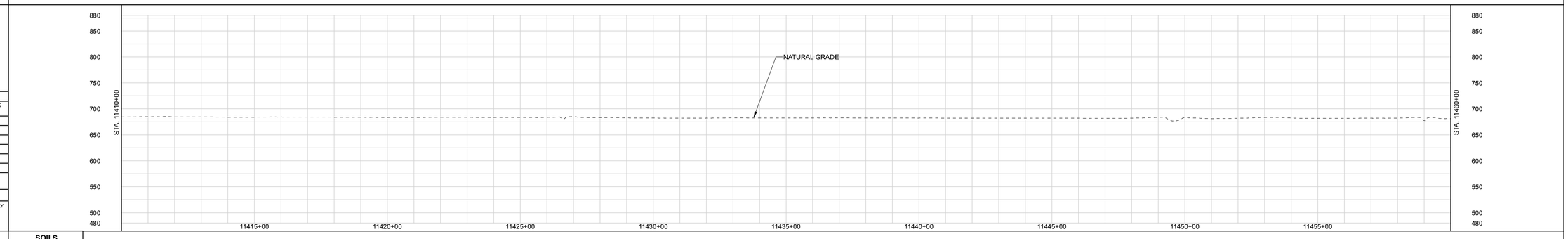
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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. 216.10 to M.P. 217.05
STA. 11410+00 to STA. 11460+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1231	REV. A

P:\265_UPSTREAM_PIPELINE\265K GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 231 of 266.tpf PLOT TIME: 2015-04-23 08:00:50

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11460+00	MI-LE-114.0000-SC	11467+71	MI-LE-115.0000-SC	11481+18	MI-LE-117.0000-SC	11489+74	MI-LE-118.0000-RD	11490+53	MI-LE-119.0000-SC	11505+47	MI-LE-120.0000-SC	11510+00
	771 FT. 46.7 RODS		1347 FT. 81.6 RODS		856 FT. 51.9 RODS		79 FT. 4.8 RODS		1494 FT. 90.5 RODS		453 FT. 27.5 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

- STA. 11460+26 PI – 03°18'28" LT
- STA. 11462+23 PI – 02°49'42" LT
- STA. 11472+00 PI – 00°03'16" RT
- STA. 11481+42 MUNICIPALITY LINE
- STA. 11489+48 PI – 00°00'26" RT
- STA. 11489+64 TOP BANK
- STA. 11489+67 DITCH DEPTH 2.0 FT. CENTERLINE
- STA. 11490+05 TOP BANK
- STA. 11490+07 RAILROAD EDGE
- STA. 11490+19 GRAVEL. LABERDEE RD CENTERLINE
- STA. 11490+31 ROAD EDGE
- STA. 11490+43 TOP BANK
- STA. 11490+81 POWERLINE. CLEARANCE 15 FT.

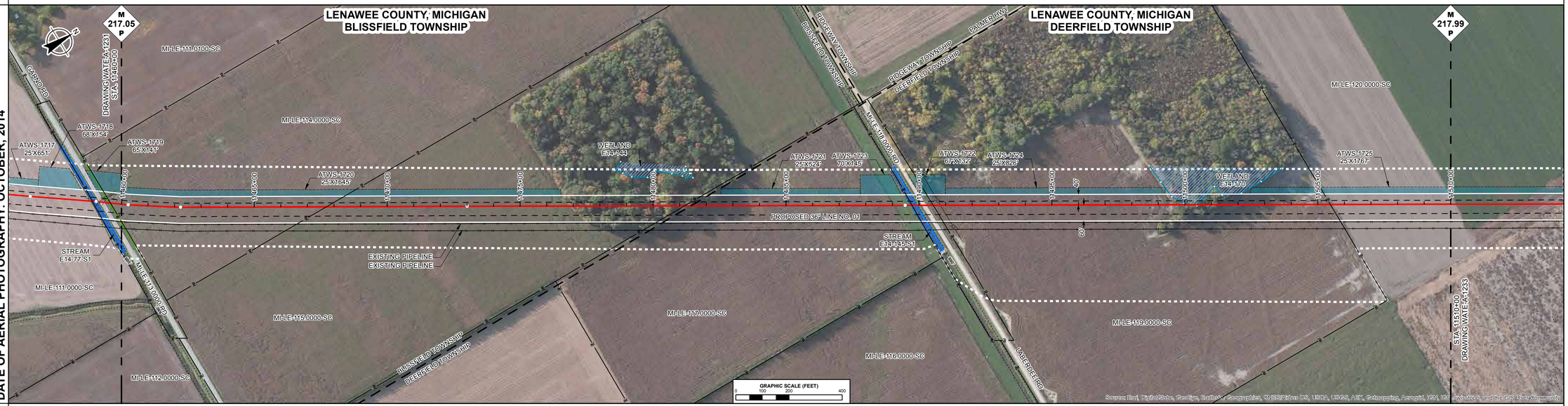
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W)
- RAILROAD TRACK
- TELEPHONE (T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

- STA. 11469+50 STREAM SPRING BROOK E14-145-S1 ENTER
- STA. 11490+29 STREAM SPRING BROOK E14-148-S1 EXIT
- STA. 11469+44 WETLAND E14-170 ENTER
- STA. 11500+85 WETLAND E14-170 EXIT
- STA. 11501+37 WETLAND E14-170 ENTER
- STA. 11507+82 WETLAND E14-170 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

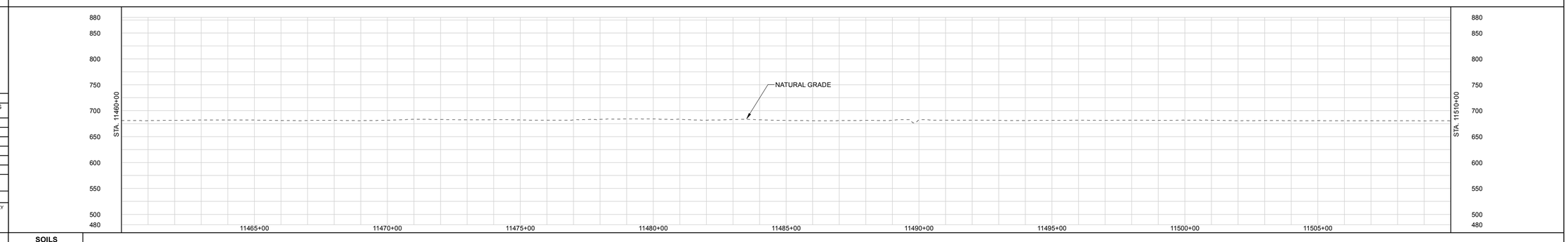
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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	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. 217.05 to M.P. 217.99
STA. 11460+00 to STA. 11510+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1232	REV. A

P:\205_UPSTREAM_PIPELINE\209K GIS\ToBeSaved\ NEXUS PROPOSED MAINLINE PIPELINE 231.d r266.pdf PLOT TIME: 2015-04-23 08:05:05

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11510+00 | **MI-LE-120.0000-SC** 1089 FT. 66.0 RODS | 11520+89 | **MI-LE-121.0000-SC** 1276 FT. 77.3 RODS | 11533+65 | **MI-LE-122.0000-SC** 266 FT. 16.1 RODS | 11536+31 | **MI-LE-123.0000-SC** 1474 FT. 89.3 RODS | 11551+05 | **MI-LE-124.0000-RD** 42 FT. 2.5 RODS | 11551+47 | **MI-LE-127.0000-SC** 853 FT. 51.7 RODS | 11560+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11524+99 PI – 00°01'35" LT

STA. 11549+91 PI – 29°03'28" LT
STA. 11551+00 TOE BANK
STA. 11551+04 POWERLINE,
CL-LE-124.0000-RD
STA. 11551+08 TOE BANK
STA. 11551+23 TOP BANK
STA. 11551+27 ROAD EDGE
STA. 11551+38 ROAD
HOLLOWAY RD
CENTERLINE
STA. 11551+43 MUNICIPALITY LINE
STA. 11551+49 ROAD EDGE
STA. 11551+54 TOP BANK
STA. 11551+74 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 11551+94 TOP BANK

STA. 11551+98 PI – 03°29'06" RT

STA. 11553+47 PI – 35°58'44" RT

STA. 11555+50 PI – 01°46'35" RT

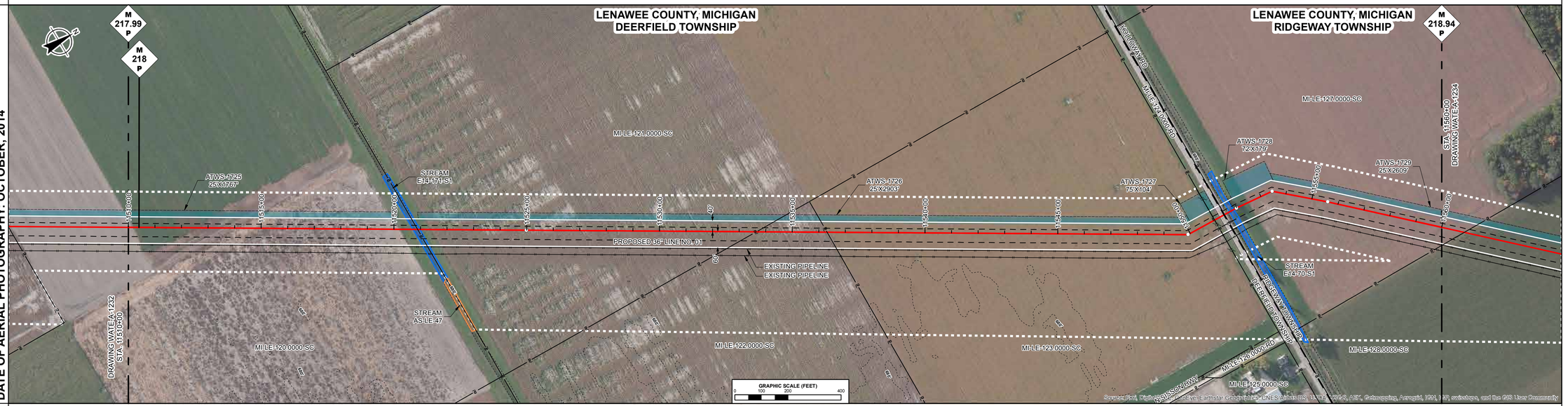
CLASS LOCATION

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 (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE (W)
- RAILROAD TRACK
- TELEPHONE (T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11520+48 STREAM SCHWAB DRAIN E14-171-S1 ENTER
STA. 11521+32 STREAM SCHWAB DRAIN E14-171-S1 EXIT
STA. 11551+67 STREAM KELLY DRAIN E14-70-S1 ENTER
STA. 11551+89 STREAM KELLY DRAIN E14-70-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

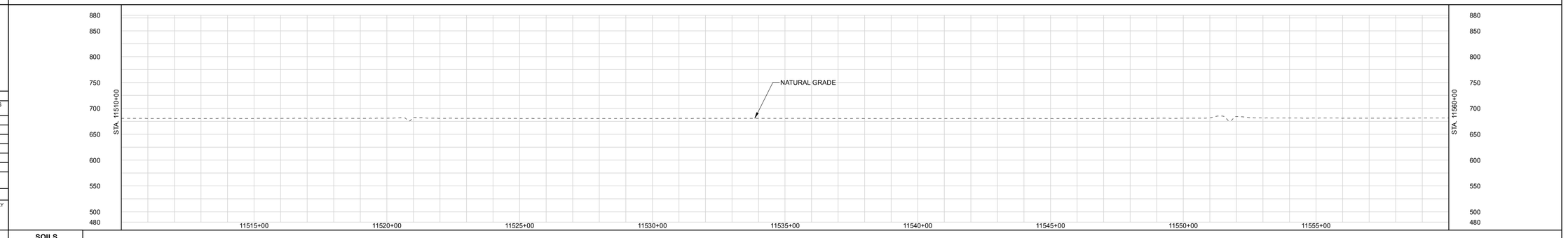
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\299K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 233.of.266.pdf PLOT TIME: 2015-04-23 08:08:50

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

GENERAL NOTES:

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

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

ENGINEERING APPROVALS

DRAWN BY: / TITLE	BID SIGNATURE	BID DATE	CONSTRUCTION SIGNATURE	CONSTRUCTION DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 217.99 to M.P. 218.94
STA. 11510+00 to STA. 11560+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1233	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

11560+00	MI-LE-127.0000-SC	11560+87	MI-LE-128.0000-SC	11577+10	MI-LE-130.0000-SC	11580+16	MI-LE-131.0000-RD	11580+67	MI-LE-132.0000-SC	11588+38	MI-LE-133.0000-SC	11590+41	MI-LE-135.0000-SC	11599+98	MI-LE-134.0000-SC	11610+00
	87 FT. 5.3 RODS		1623 FT. 98.4 RODS		306 FT. 18.5 RODS		51 FT. 3.1 RODS		771 FT. 46.7 RODS		1103 FT. 66.8 RODS		57 FT. 3.5 RODS		1002 FT. 60.7 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11569+63 PI – 02°31'10" LT
STA. 11571+64 PI – 02°27'26" LT
STA. 11578+09 PI – 13°54'38" RT
STA. 11578+12 PI – 37°49'43" RT
STA. 11580+14 POWERLINE, CLEARANCE 25 FT.
STA. 11580+17 TOP BANK ABOVEGROUND OTHER
STA. 11580+27 DITCH DEPTH 0 FT, CENTERLINE
STA. 11580+29 TOP BANK
STA. 11580+42 ZONE OF EDGE
STA. 11580+42 PAVED, BRITTON RD CENTERLINE
STA. 11580+58 ROAD EDGE
STA. 11580+58 TOP BANK
STA. 11580+64 TOE BANK
STA. 11581+26 PI – 28°33'38" LT
STA. 11581+52 PI – 21°50'39" LT
STA. 11588+45 CULVERT
STA. 11605+50 PI – 00°15'19" RT
STA. 11609+39 PI – 05°59'07" LT

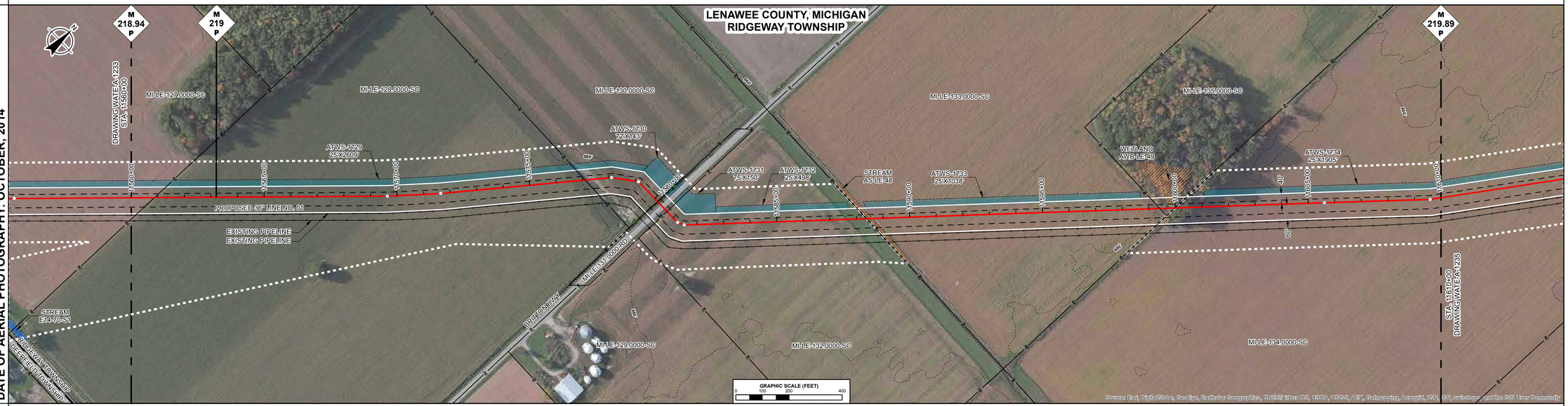
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (0.0 P)
- 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. 11588+82 CENTERLINE OF STREAM AS-LE-49 WILSON DRAIN

STA. 11599+96 WETLAND AWB-LE-49 ENTER
STA. 11604+49 WETLAND AWB-LE-49 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

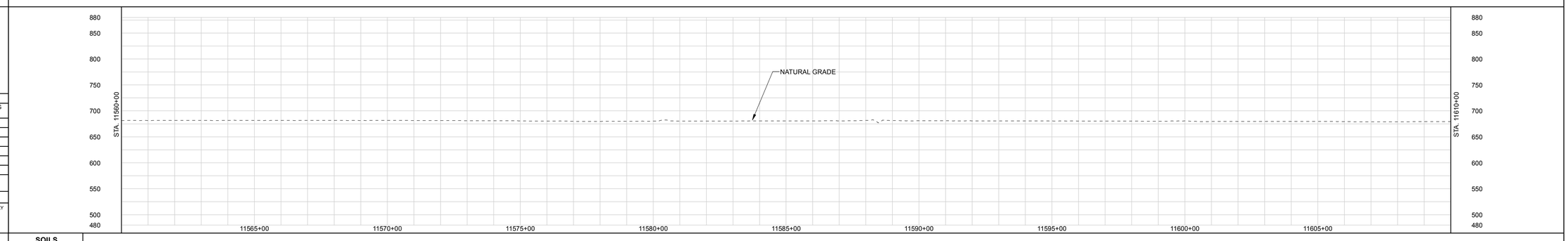
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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		A			ISSUED FOR FERC	MATERIALS		

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 218.94 to M.P. 219.89
STA. 11560+00 to STA. 11610+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1234	REV. A

P:\265_UPSTREAM_PIPELINE\299K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 234 of 266.pdf - PLOT TIME: 2015-04-22 16:05:19

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11610+00	MI-LE-134.0000-SC	11621+80	MI-LE-136.0000-SC	MI-LE-138.0000-RD	11622+01	11622+59	MI-LE-139.0000-SC	11633+65	MI-LE-140.0000-SC	11634+18	MI-LE-143.0000-SC	11654+09	MI-LE-144.0000-SC	11660+00
	1180 FT.		21 FT.	58 FT.			1106 FT.		53 FT.		1991 FT.		591 FT.	
	71.5 RODS		1.3 RODS	3.5 RODS			67.0 RODS		3.2 RODS		120.7 RODS		35.8 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11621+93 TOE BANK
STA. 11621+98 TOP BANK
STA. 11622+05 ROAD EDGE
STA. 11622+14 CENTERL.
SUTTON RD
CENTERLINE
STA. 11622+21 ROAD EDGE
STA. 11622+31 TOP BANK
STA. 11622+35 TOE BANK

STA. 11647+36 PI – 00°04'49" LT

STA. 11658+46 PI – 00°29'26" LT

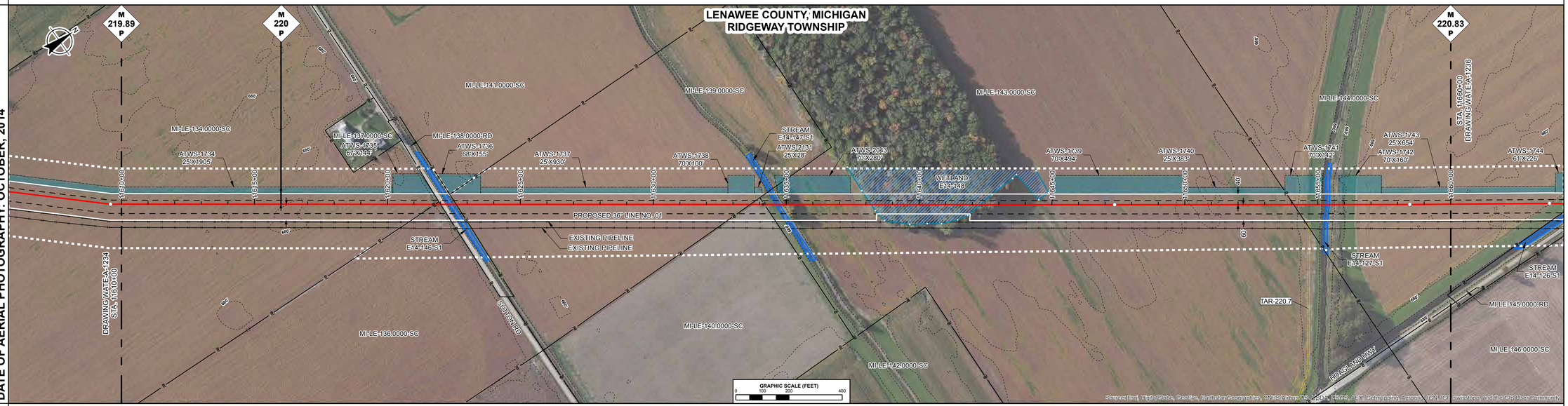
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11622+04 STREAM TRIB TO SOUTH BRANCH MACON CREEK E14-145-S1 ENTER
STA. 11622+46 STREAM TRIB TO SOUTH BRANCH MACON CREEK E14-146-S1 EXIT

STA. 11634+38 STREAM DIBBLE DRAIN E14-147-S1 ENTER
STA. 11635+15 STREAM DIBBLE DRAIN E14-147-S1 EXIT

STA. 11637+93 WETLAND E14-148 ENTER

STA. 11642+77 WETLAND E14-148 EXIT

STA. 11644+31 WETLAND E14-148 ENTER
STA. 11644+81 WETLAND E14-148 EXIT

STA. 11655+22 STREAM SOUTH BRANCH MACON CREEK E14-127-S1 ENTER
STA. 11656+15 STREAM SOUTH BRANCH MACON CREEK E14-127-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)
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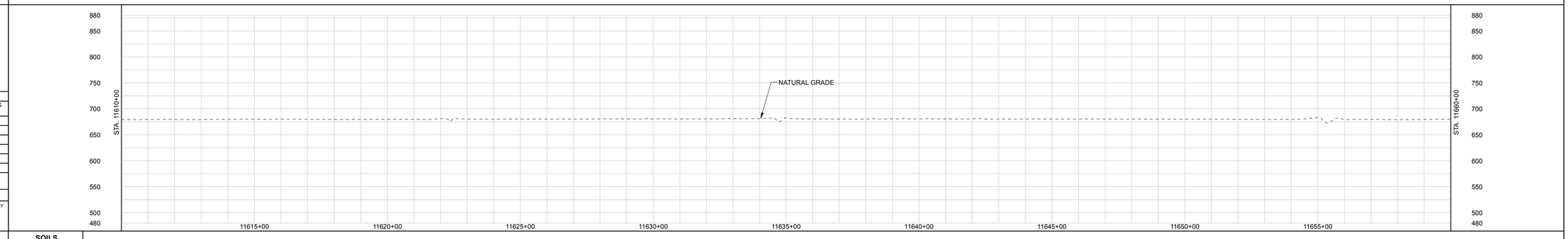
5-15%	150 FT	5-15%	500 FT
15-30%	100 FT	15-25%	300 FT
>30%	50 FT	25-35%	200 FT
		35-100%	100 FT
		>100%	50 FT

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	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. 219.89 to M.P. 220.83
STA. 11610+00 to STA. 11660+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1235 | REV. A

P:\265_UPSTREAM_PIPELINE\265K_OSIT\pdf\main NEXUS PROPOSED MAINLINE PIPELINE 235 of 266.pdf - PLOT TIME: 2015-04-22 16:13:9

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11660+00	MI-LE-144.0000-SC	11664+71	MI-LE-145.0000-RD	11668+04	MI-LE-146.0000-SC	11685+28	MI-LE-148.0000-RD	11686+00	MI-LE-149.0000-SC	11693+62	MI-LE-150.0000-SC	11710+00
	471 FT.		133 FT.		1924 FT.		72 FT.		762 FT.		1638 FT.	
	28.5 RODS		8.1 RODS		116.6 RODS		4.4 RODS		46.2 RODS		99.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11663+71 PI – 00°14'32" RT
STA. 11665+04 TOE BANK
STA. 11665+45 TOP BANK
STA. 11665+47 ROAD EDGE
STA. 11665+47 CONNEL HOAGLAND RD CENTERLINE
STA. 11665+78 ROAD EDGE
STA. 11665+78 TOP BANK
STA. 11665+93 TOE BANK
STA. 11666+34 PI – 01°40'59" LT

STA. 11673+23 PI – 00°01'25" RT

STA. 11685+51 TOE BANK
STA. 11685+56 TOP BANK
STA. 11685+57 ROAD EDGE
STA. 11685+77 ROAD EDGE
POCKLINGTON RD CENTERLINE
STA. 11685+77 TOP BANK
STA. 11685+92 TOE BANK
STA. 11686+13 PI – 00°01'13" RT
STA. 11686+92 TOE BANK

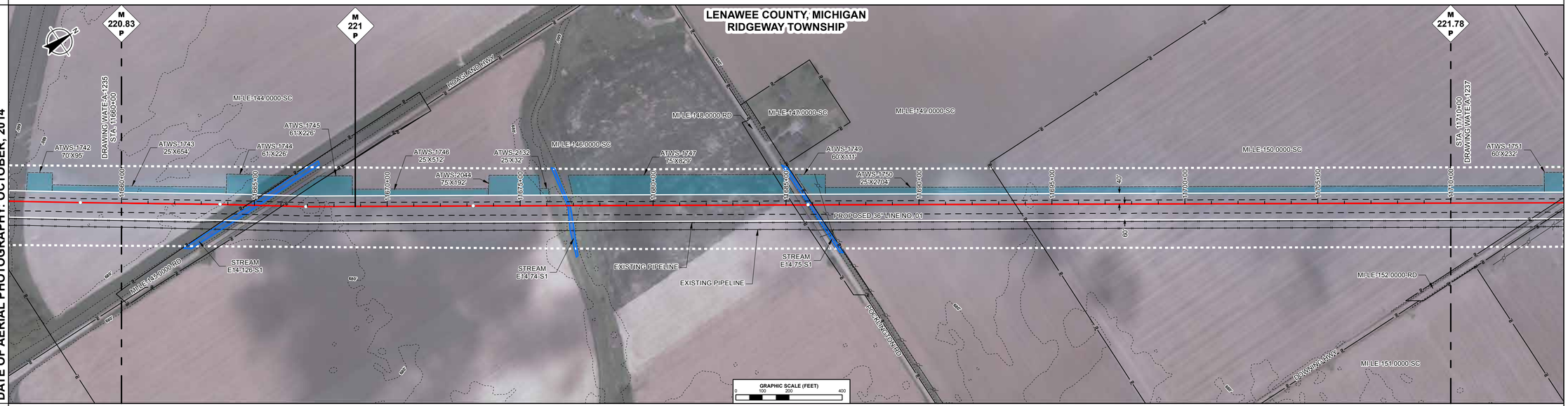
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 11663+98 STREAM TRIB TO SOUTH BRANCH MACON CREEK E14-126-S1 ENTER

STA. 11665+72 STREAM TRIB TO SOUTH BRANCH MACON CREEK E14-126-S1 EXIT

STA. 11676+62 STREAM SCHREEDER BROOK E14-74-S1 ENTER
STA. 11679+98 STREAM SCHREEDER BROOK E14-74-S1 EXIT

STA. 11685+99 STREAM TRIB TO WAHOO PRAIRIE DRAIN E14-75-S1 ENTER
STA. 11688+37 STREAM TRIB TO WAHOO PRAIRIE DRAIN E14-75-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 (F)
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
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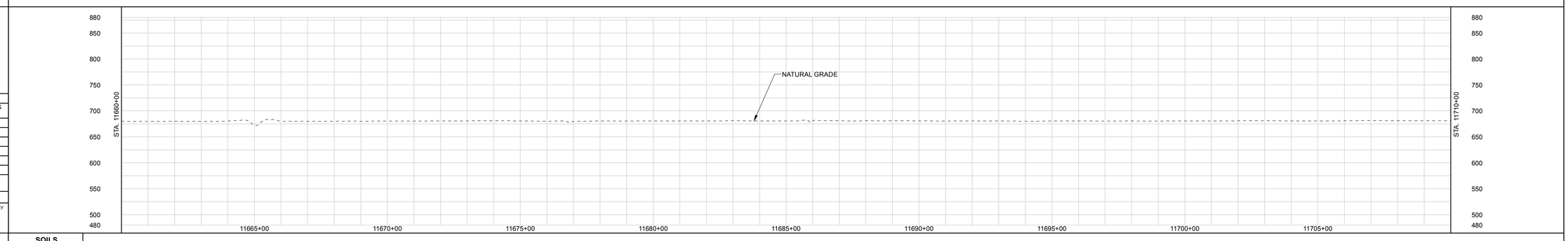
		35-100%	100 FT
		>100%	50 FT

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

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. 220.83 to M.P. 221.78
STA. 11660+00 to STA. 11710+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1236	REV. A

P:\205_UPSTREAM_PIPELINE\205K_OST\ArbRoute NEXUS PROPOSED MAINLINE PIPELINE 238 of 266.pdf - PLOT TIME: 2015-04-22 16:20:03

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RIGHT-OF-WAY

TRACT NUMBERS

11710+00	MI-LE-150.0000-SC	11713+94	MI-LE-152.0000-RD	11714+62	MI-LE-154.0000-SC	11717+26	MI-LE-155.0000-SC	11733+07	MI-LE-157.0000-SC	11739+27	MI-LE-159.0000-SC	11748+96	MI-LE-160.0000-RD	11750+01	MI-LE-162.0000-SC	11760+00
	394 FT. 23.9 RODS		68 FT. 4.1 RODS		264 FT. 16.0 RODS		1581 FT. 95.8 RODS		620 FT. 37.6 RODS		969 FT. 58.7 RODS		105 FT. 6.4 RODS		999 FT. 60.5 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11714+03 TOE BANK
STA. 11714+13 TOP BANK
STA. 11714+14 ROAD EDGE
STA. 11714+32 GRAVEL
DOWNING HWY
CENTERLINE
STA. 11714+48 ROAD EDGE
STA. 11714+60 TOP BANK
STA. 11714+60 TOE BANK
STA. 11715+17 POWERLINE, CLEARANCE 20 FT.

STA. 11718+43 PI – 00°01'47" RT

STA. 11737+58 PI – 05°07'51" RT

STA. 11746+99 POWERLINE, CLEARANCE 20 FT.

STA. 11747+73 PI – 16°31'17" LT
STA. 11748+13 VALVE FENCE
STA. 11748+45 MLV-18
STA. 11748+73 VALVE FENCE
STA. 11749+13 TOE BANK
STA. 11749+27 TOP BANK
STA. 11749+29 ROAD EDGE
STA. 11749+48 PAVED, SH 50/
E MONROE RD
CENTERLINE
STA. 11749+68 ROAD EDGE
STA. 11749+77 TOP BANK
STA. 11749+98 TOE BANK
STA. 11750+06 TOP BANK

STA. 11752+01 PI – 17°20'54" RT

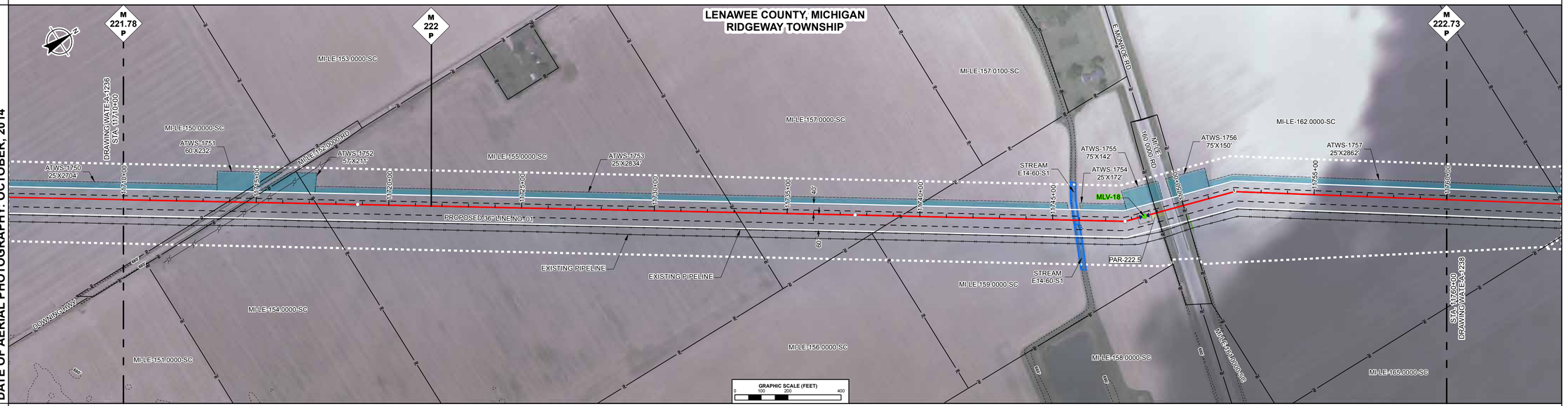
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 11745+71 STREAM WAHOO PRAIRIE DRAIN E14-60-S1 ENTER

STA. 11746+10 STREAM WAHOO PRAIRIE DRAIN E14-60-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

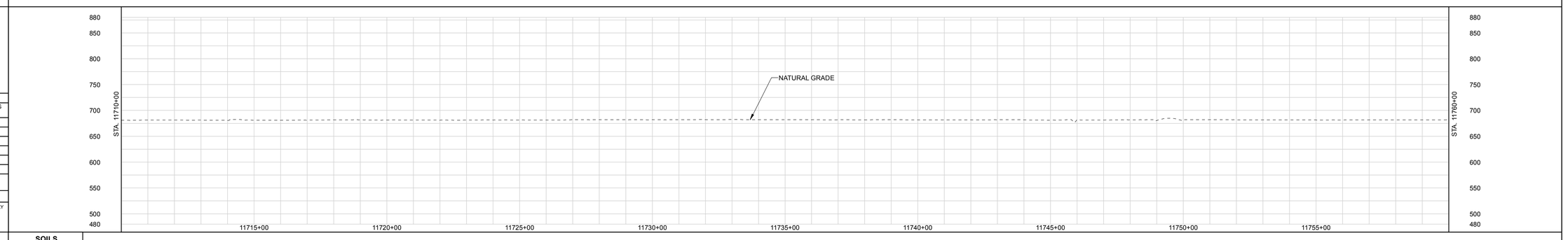
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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:	ENGINEERING APPROVALS			
	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 221.78 to M.P. 222.73
STA. 11710+00 to STA. 11760+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1237	REV. A

IG.#

P:\205_UPSTREAM_PIPELINE\205K_OSIT\pdf\main NEXUS PROPOSED MAINLINE PIPELINE 237 of 266.pdf - PLOT TIME: 2015-04-22 16:24:58

RIGHT-OF-WAY

TRACT NUMBERS

11760+00 | MI-LE-162.0000-SC: 442 FT. / 26.8 RODS | 11764+42 | MI-LE-163.0000-SC: 175 FT. / 10.6 RODS | 11766+17 | MI-LE-165.0000-SC: 1415 FT. / 85.8 RODS | 11780+32 | MI-LE-166.0000-SC: 2968 FT. / 179.9 RODS | 11810+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11780+86 PI – 08°50'05" LT

STA. 11801+41 PI – 19°28'23" RT

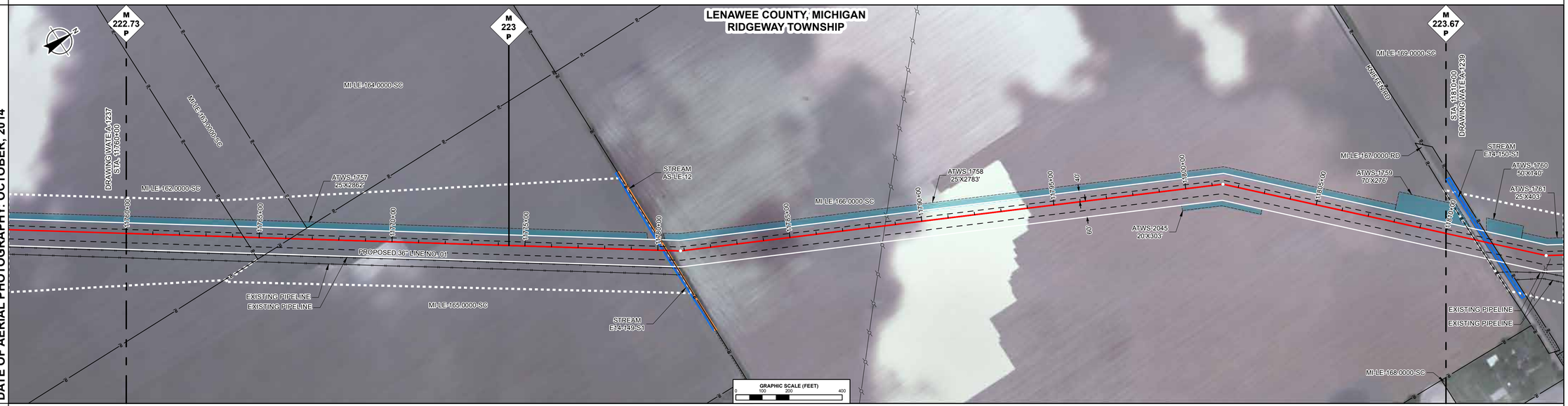
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 11779+92 STREAM TRIB TO MIDDLE BRANCH MACON CREEK E14-149-S1 EXIT
STA. 11780+08 STREAM TRIB TO MIDDLE BRANCH MACON CREEK AS-LE-12 ENTRY
STA. 11789+72 STREAM TRIB TO MIDDLE BRANCH MACON CREEK E14-149-S1 EXIT
STA. 11790+15 STREAM TRIB TO MIDDLE BRANCH MACON CREEK AS-LE-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 (F)
SLOPE BREAKERS
TRENCH PLUG

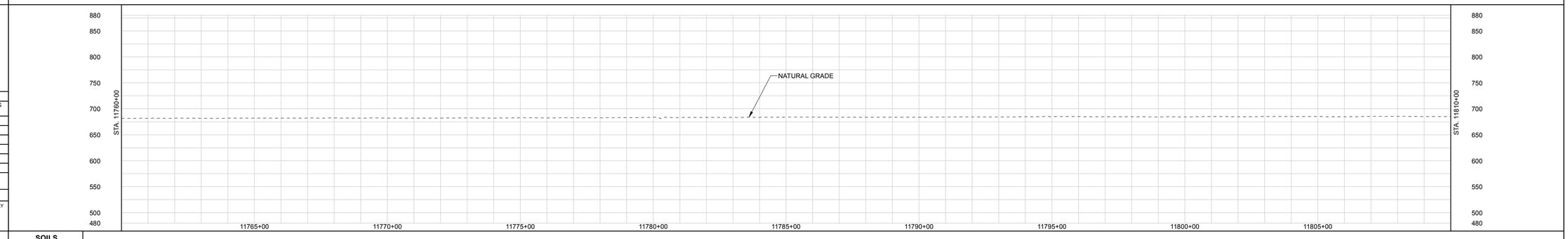
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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			

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 222.73 to M.P. 223.67
STA. 11760+00 to STA. 11810+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1238	REV. A

P:\205_UPSTREAM_PIPELINE\2506K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 238 of 1266.pdf - PLOT TIME: 2015-04-22 16:31:12

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

11810+00	MI-LE-166.0000-SC	11811+11	MI-LE-167.0000-RD	11811+80	MI-LE-169.0000-SC	11819+66	MI-LE-170.0000-SC	11834+58	MI-LE-171.0000-SC	11838+60	MI-LE-172.0000-SC	11847+22	MI-LE-173.0000-RD	11847+72	MI-LE-174.0000-SC	11860+00
	111 FT. 6.7 RODS		69 FT. 4.2 RODS		786 FT. 47.6 RODS		1492 FT. 90.4 RODS		402 FT. 24.4 RODS		861 FT. 52.2 RODS		50 FT. 3.0 RODS		1228 FT. 74.4 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11811+17 TOE BANK
STA. 11811+23 TOP BANK
STA. 11811+25 ROAD EDGE
STA. 11811+36 GRAVEL
KNIFFEN RD
CENTERLINE
STA. 11811+46 ROAD EDGE
STA. 11811+48 TOP BANK
STA. 11811+64 TOE BANK

STA. 11813+46 PI – 14°08'34" LT
STA. 11814+48 POWERLINE (SCALED)

STA. 11818+53 PI – 34°21'29" RT

STA. 11821+36 PI – 21°58'38" LT

STA. 11835+01 OIL PL

STA. 11837+31 PI – 05°02'48" LT

STA. 11839+07 PI – 01°47'39" LT

STA. 11844+83 PI – 07°55'52" LT

STA. 11847+38 TOE BANK
STA. 11847+38 TOP BANK
STA. 11847+38 ROAD EDGE
STA. 11847+50 GRAVEL
DOWNING HWY
CENTERLINE
STA. 11847+54 MUNICIPALITY LINE
STA. 11847+61 ROAD EDGE
STA. 11847+62 TOP BANK
STA. 11847+69 TOE BANK

STA. 11848+59 PI – 07°02'28" LT

STA. 11859+41 PI – 02°57'16" RT

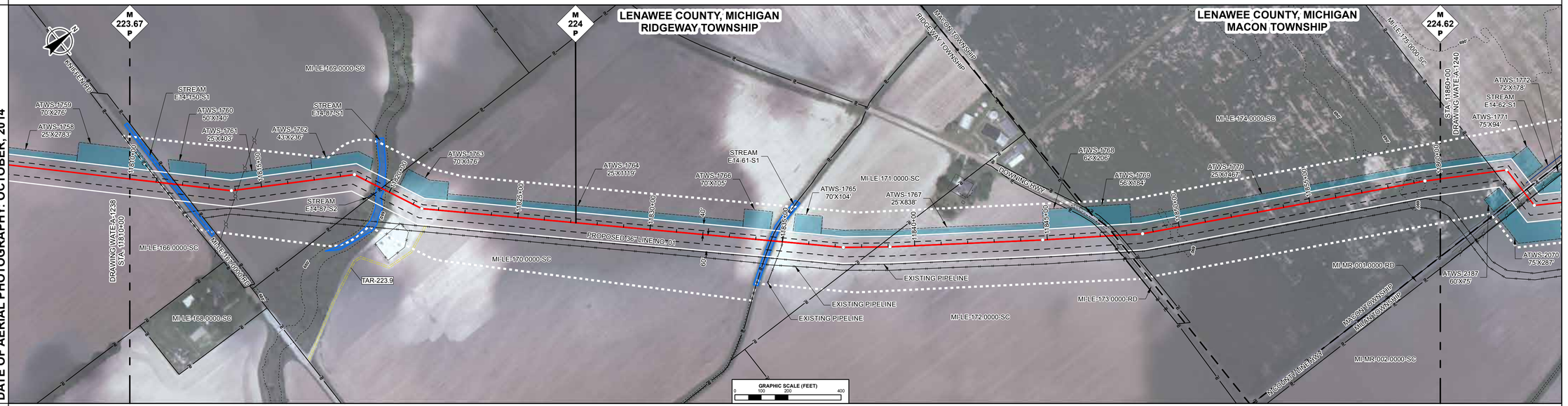
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11811+13 STREAM TRIB TO MACON CREEK E14-150-S1 ENTER

STA. 11812+21 STREAM TRIB TO MACON CREEK E14-150-S1 EXIT

STA. 11819+26 STREAM MACON CREEK E14-87-S1 ENTER

STA. 11820+00 STREAM MACON CREEK E14-87-S1 EXIT

STA. 11834+34 STREAM TRIB TO MACON CREEK E14-61-S1 ENTER

STA. 11834+83 STREAM TRIB TO MACON CREEK E14-61-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

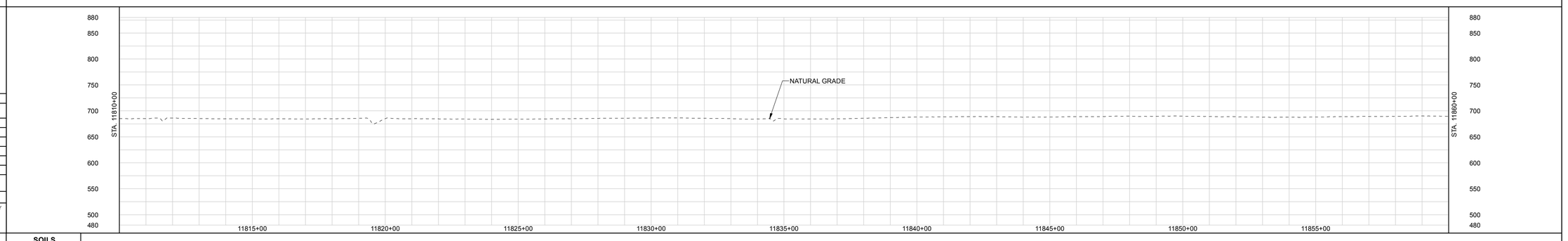
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.
		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.

ENGINEERING APPROVALS

DRAWN BY: / TITLE	BID SIGNATURE	BID DATE	CONSTRUCTION SIGNATURE	CONSTRUCTION DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 223.67 to M.P. 224.62
STA. 11810+00 to STA. 11860+00
ALIGNMENT SHEET

LOC. LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1239	REV. A

DRAWING NO.

P:\265_UPSTREAM_PIPELINE\2994_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 239 of 266.pdf - PLOT TIME: 2015-04-22 13:19:28

RIGHT-OF-WAY

TRACT NUMBERS

11860+00	MI-LE-174.0000-SC	11862+06	MI-LE-175.0000-SC	11863+56	MI-MR-001.0000-RD	11863+91	MI-MR-002.0000-SC	11871+78
	206 FT. 12.5 RODS		150 FT. 9.1 RODS		35 FT. 2.1 RODS		787 FT. 47.7 RODS	

11871+78	MI-MR-003.0000-SC	11879+17	MI-MR-004.0000-RD	11879+72	MI-MR-005.0000-SC	11881+64	MI-MR-005.0100-SC	11888+23
	739 FT. 44.8 RODS		55 FT. 3.3 RODS		192 FT. 11.6 RODS		659 FT. 39.9 RODS	

11888+23	MI-MR-006.0000-SC	11899+73	MI-MR-007.0000-SC	11909+83	MI-MR-008.0000-RD	11910+00
	1150 FT. 69.7 RODS		1010 FT. 61.2 RODS		17 FT. 1.0 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11862+52 PI – 59°39'11" RT
STA. 11863+33 TOP BANK
STA. 11863+37 DITCH, DEPTH 4'-0" FROM TOP BANK
STA. 11863+41 TOP BANK
STA. 11863+46 ROAD EDGE
STA. 11863+55 PAVED, NORTH CENTERLINE
STA. 11863+55 MONROE RD
STA. 11865+55 MUNICIPALITY LINE

STA. 11864+21 PI – 55°15'47" LT
STA. 11863+62 ROAD EDGE
STA. 11863+62 TOP BANK
STA. 11863+62 PROPOSED LINE, CLEARANCE 25 FT.

STA. 11879+01 PI – 22°45'16" LT
STA. 11879+01 PROPOSED LINE, CLEARANCE 25 FT.
STA. 11879+38 TOP BANK
STA. 11879+43 TOE BANK
STA. 11879+51 ROAD EDGE
STA. 11879+62 PAVED, NORTH CENTERLINE
STA. 11879+72 ROAD EDGE
STA. 11879+77 TOP BANK
STA. 11879+80 TOE BANK

STA. 11880+17 PI – 30°22'01" RT

STA. 11882+13 PI – 04°03'26" RT

STA. 11887+93 PI – 01°18'20" LT

STA. 11909+35 PI – 00°03'16" RT

STA. 11909+68 PI – 20°11'20" RT
STA. 11910+00 TOE BANK

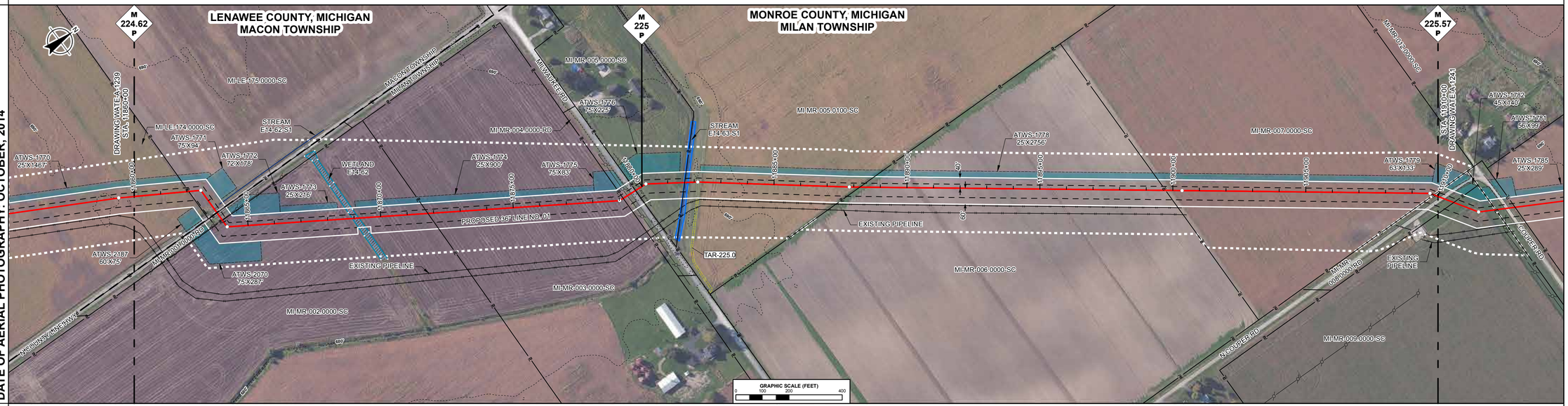
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11868+70 WETLAND E14-62 ENTER
STA. 11869+40 WETLAND E14-62 EXIT

STA. 11881+52 STREAM TRIB TO RICHARDSON DRAIN E14-63-S1 ENTER
STA. 11881+84 STREAM TRIB TO RICHARDSON DRAIN E14-63-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

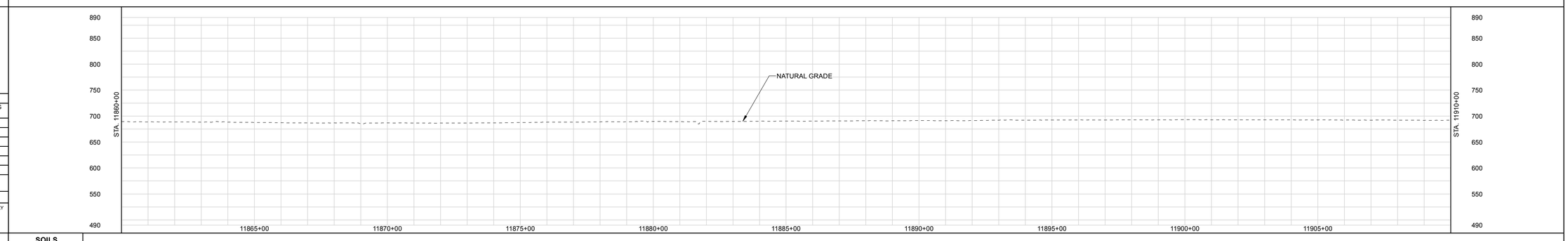
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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. 224.62 to M.P. 225.57
STA. 11860+00 to STA. 11910+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN AND LENAWEE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1240	REV. A

P:\265_UPSTREAM_PIPELINE\26PM_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 240 of 266.tif PLOT TIME: 2015-04-22 10:22:39

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RIGHT-OF-WAY

TRACT NUMBERS

11910+00	MI-MR-008.0000-RD	11910+64	MI-MR-009.0000-SC	11912+28	MI-MR-010.0000-RD	11913+01	MI-MR-011.0000-SC	11936+88	MI-MR-013.0000-SC	11943+21	MI-MR-014.0000-SC	11944+68	MI-MR-015.0000-WB	11944+91	MI-MR-014.0000-SC	11958+26	MI-MR-016.0000-SC	11960+00
	64 FT.		164 FT.		73 FT.		2387 FT.		633 FT.		147 FT.		23 FT.		1335 FT.		174 FT.	
	3.9 RODS		9.9 RODS		4.4 RODS		144.7 RODS		38.4 RODS		8.9 RODS		1.4 RODS		80.9 RODS		10.5 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11910+06 TOP BANK
STA. 11910+07 ROAD EDGE
STA. 11910+19 GRAVEL
COUPER RD
CENTERLINE
STA. 11910+27 ROAD EDGE
STA. 11910+34 TOP BANK
STA. 11910+34 TOE BANK
STA. 11911+53 PI – 28°07'58" LT
STA. 11912+53 TOE BANK
STA. 11912+60 TOP BANK
STA. 11912+66 ROAD EDGE
STA. 11912+76 GRAVEL
COUPER RD
CENTERLINE
STA. 11912+79 ROAD EDGE
STA. 11912+80 TOP BANK
STA. 11912+86 TOE BANK

STA. 11921+32 TRAIL (LIDAR)
STA. 11921+39 TRAIL (LIDAR)
EDGE

STA. 11935+72 PI – 00°32'58" RT

STA. 11959+23 PI – 22°41'03" RT

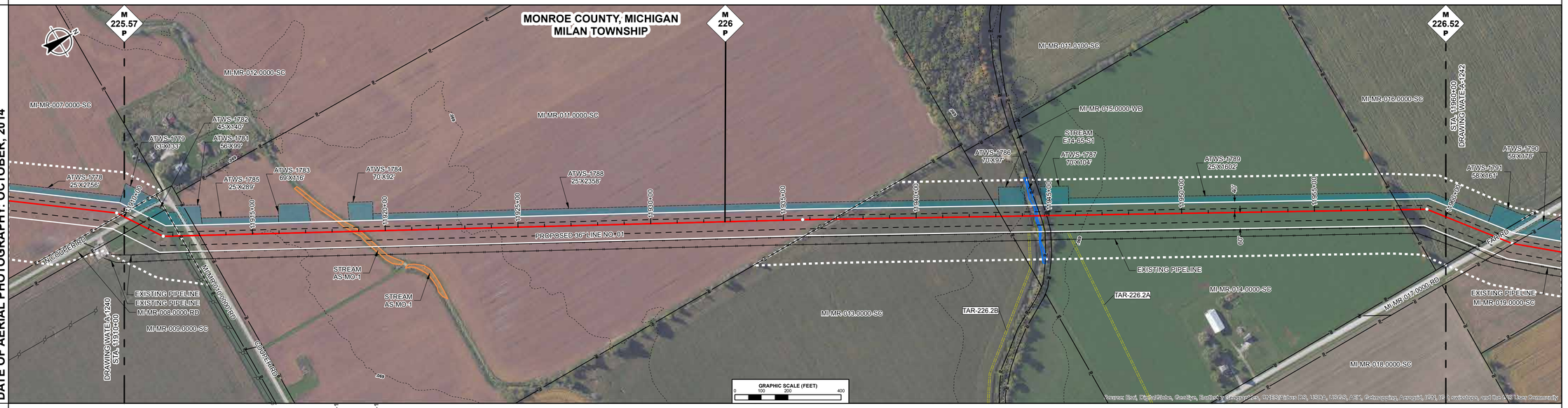
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11918+26 STREAM RICHARDSON DRAIN AS-MO-1 ENTER

STA. 11919+76 STREAM RICHARDSON DRAIN AS-MO-1 EXIT

STA. 11944+40 STREAM BEAR SWAMP CREEK E14-65-S1 ENTER

STA. 11944+70 STREAM BEAR SWAMP CREEK E14-65-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

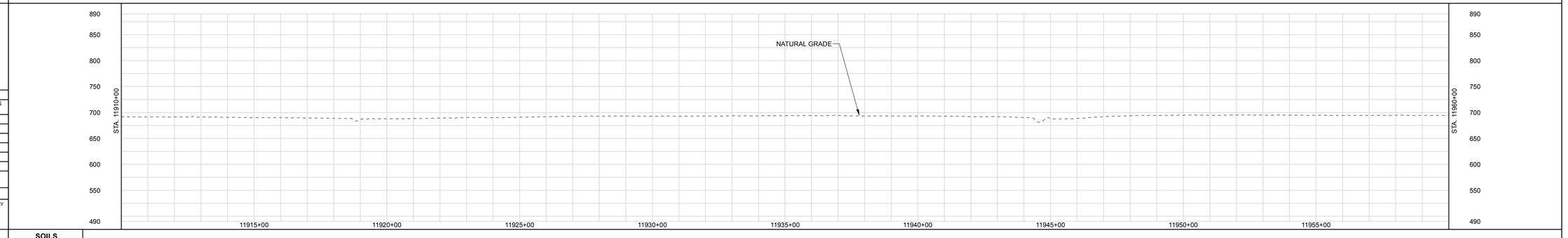
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\295_UPSTREAM_PIPELINE\E295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 241 of 266.apt - PLOT TIME: 2015-04-22 16:41:18

IG.#

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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 225.57 to M.P. 226.52
STA. 11910+00 to STA. 11960+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1241	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

11960+00	MI-MR-016.0000-SC	11961+96	MI-MR-017.0000-RD	11962+75	MI-MR-019.0000-SC	11967+33	MI-MR-020.0000-SC	11974+46	MI-MR-022.0000-RD	11975+07	MI-MR-023.0000-SC	11987+91	MI-MR-024.0000-SC	11990+79	MI-MR-025.0000-SC	12004+50	MI-MR-030.0000-RR	12005+52	MI-MR-030.0100-SC	12005+98	MI-MR-027.0000-RD	12006+67	MI-MR-032.0000-SC	12010+00
	195 FT. 11.8 RODS		79 FT. 4.8 RODS		458 FT. 27.8 RODS		713 FT. 43.2 RODS		61 FT. 3.7 RODS		1284 FT. 77.8 RODS		288 FT. 17.5 RODS		1371 FT. 83.1 RODS		102 FT. 6.2 RODS		46 FT. 2.8 RODS		89 FT. 5.4 RODS		313 FT. 19.0 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 11960+03 TOE BANK
STA. 11962+11 TOP BANK
STA. 11962+14 ROAD EDGE
STA. 11962+26 GRAVEL, FAR RD CENTERLINE
STA. 11962+38 ROAD EDGE
STA. 11962+40 TOP BANK
STA. 11962+48 TOE BANK
STA. 11962+69 PI – 11°47'45" LT

STA. 11965+84 PI – 01°39'51" LT

STA. 11967+77 PI – 02°33'17" LT

STA. 11972+19 PI – 15°57'24" LT

STA. 11972+74 PI – 18°37'22" LT

STA. 11974+58 TOP BANK
STA. 11974+61 TOE BANK
STA. 11974+68 TOP BANK
STA. 11974+70 ROAD EDGE
STA. 11974+80 PAVED, CONE RD CENTERLINE
STA. 11974+90 ROAD EDGE
STA. 11974+91 TOP BANK
STA. 11975+00 TOE BANK
STA. 11975+02 POWERLINE, CLEARANCE 15 FT.
STA. 11975+02 CENTERLINE, CLEARANCE 15 FT.
STA. 11975+08 TOP BANK
STA. 11976+38 PI – 32°41'38" RT

STA. 11980+01 PI – 03°05'50" RT

STA. 12000+19 PI – 36°16'27" LT

STA. 12003+46 PI – 39°44'37" LT

STA. 12004+54 TOP BANK
STA. 12004+61 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 12004+73 TOP BANK
STA. 12004+78 TOE BANK
STA. 12004+87 TOP BANK
STA. 12005+02 RAILROAD TOE
STA. 12005+02 RAILROAD TOP
STA. 12005+07 RAILROAD TOE
STA. 12005+11 RAILROAD TOP
STA. 12005+14 RAILROAD TOE
STA. 12005+16 TOP BANK
STA. 12005+18 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 12005+39 TOP BANK
STA. 12005+42 POWERLINE, CLEARANCE 29 FT.
STA. 12006+28 TOP BANK
STA. 12006+40 DITCH, DEPTH 0.5 FT. CENTERLINE
STA. 12006+48 TOP BANK
STA. 12006+49 ROAD EDGE
STA. 12006+50 WELCH RD CENTERLINE
STA. 12006+59 ROAD EDGE
STA. 12006+61 TOP BANK
STA. 12006+68 DITCH, DEPTH 0.5 FT. CENTERLINE
STA. 12007+11 TOP BANK
STA. 12007+11 PI – 30°50'16" RT

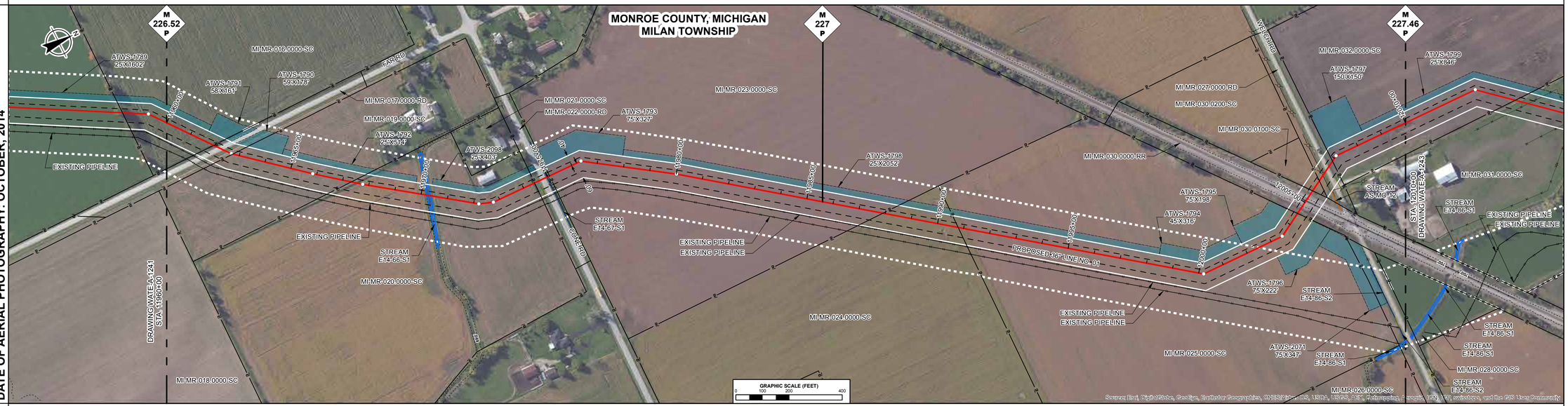
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 11970+06 STREAM TRIB TO BEAR SWAMP CREEK E14-66-S1 EXIT

STA. 11970+57 STREAM TRIB TO BEAR SWAMP CREEK E14-66-S1 EXIT

STA. 11974+97 CENTERLINE OF STREAM AT EXIT TRIB TO BEAR SWAMP 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

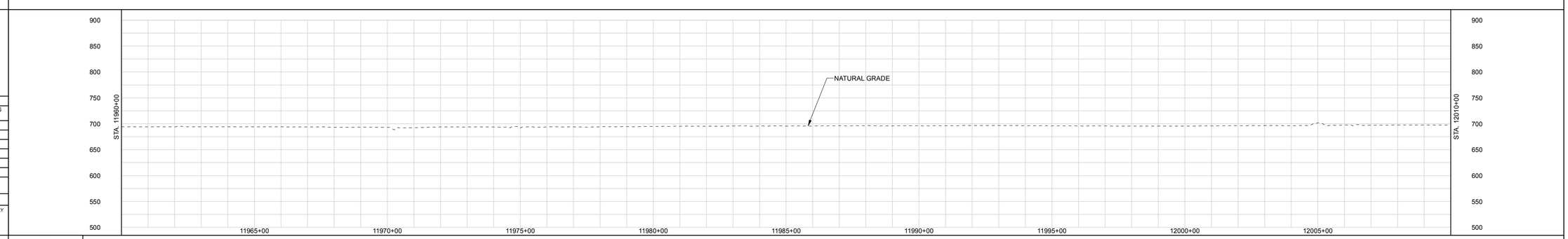
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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		A			ISSUED FOR FERC	MATERIALS		

DRAWN BY:

TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 226.52 to M.P. 227.46
STA. 11960+00 to STA. 12010+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1242 | REV. A

P:\205_UPSTREAM_PIPELINE\205K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 241.of.266.tif PLOT TIME: 2015-04-22 17:08:55

RIGHT-OF-WAY

TRACT NUMBERS

12010+00	MI-MR-032.0000-SC	12014+46	MI-MR-031.0000-SC	12017+84	MI-MR-032.0000-SC	12024+36	MI-MR-034.0000-SC	12038+83	MI-MR-035.0000-SC	12044+29	MI-MR-036.0000-SC	12055+70	MI-MR-038.0000-SC	12057+80	MI-MR-040.0000-SC	12060+00
	446 FT.		338 FT.		652 FT.		1447 FT.		546 FT.		1141 FT.		210 FT.		220 FT.	
	27.0 RODS		20.5 RODS		39.5 RODS		87.7 RODS		33.1 RODS		69.2 RODS		12.7 RODS		13.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12012+91 PI – 40°11'38" RT

STA. 12014+98 FENCE

STA. 12016+58 FENCE
STA. 12017+10 TOP BANK
STA. 12017+27 DITCH, DEPTH 3.0 FT, CENTERLINE
STA. 12017+40 TOP BANK

STA. 12053+31 PI – 39°21'38" LT

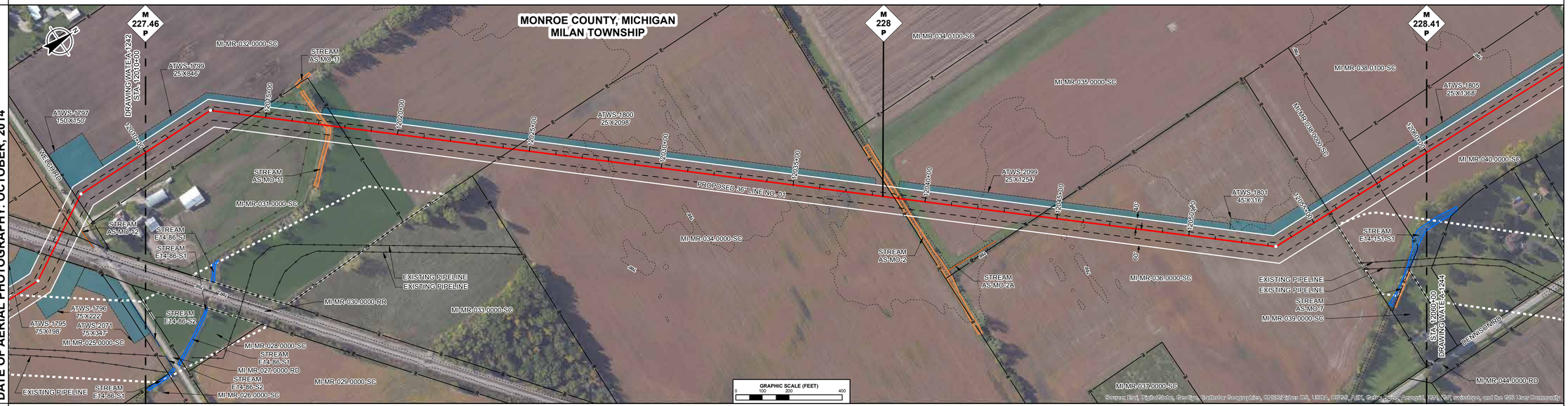
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (0.0 P)
- 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. 12016+93 STREAM CONE DRAIN AS-MO-11 ENTER
STA. 12017+49 STREAM CONE DRAIN AS-MO-11 EXIT

STA. 12038+58 STREAM TRIB TO CENTER CREEK AS-MO-2 ENTER
STA. 12039+59 STREAM TRIB TO CENTER CREEK AS-MO-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

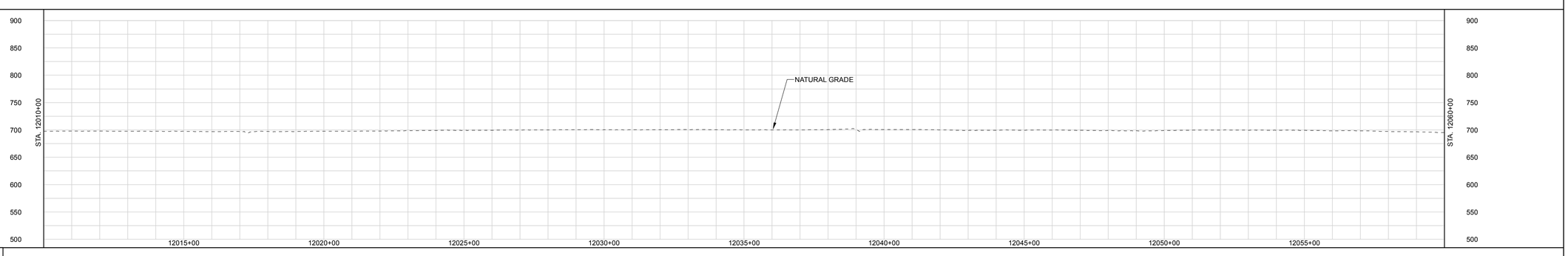
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

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. 227.46 to M.P. 228.41
STA. 12010+00 to STA. 12060+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1243	REV. A

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

P:\265_UPSTREAM_PIPELINE\299K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 243.of.266.pdf PLOT TIME: 2015-04-22 17:13:45

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12060+00	MI-MR-040.0000-SC	12068+50	MI-MR-047.0000-RD	12069+19	MI-MR-047.0100-SC	12078+24	MI-MR-044.0000-RD	12078+93	MI-MR-048.0000-SC	12093+50	MI-MR-049.0000-SC	12094+97	MI-MR-051.0000-RD	12095+78	MI-MR-053.0000-SC	12096+46	MI-MR-054.0000-SC	12110+00
	850 FT. 51.5 RODS		69 FT. 4.2 RODS		905 FT. 54.8 RODS		69 FT. 4.2 RODS		1457 FT. 88.3 RODS		147 FT. 8.9 RODS		81 FT. 4.9 RODS		68 FT. 4.1 RODS		1354 FT. 82.1 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12066+88 POWERLINE, CLEARANCE 25 FT.
STA. 12068+41 TOP BANK
STA. 12068+44 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12068+72 TOP BANK
STA. 12068+76 UNDERGROUND TELEPHONE
STA. 12068+77 ROAD EDGE
STA. 12068+87 PAVED, HICKORY RD CENTERLINE
STA. 12068+97 ROAD EDGE
STA. 12068+99 TOP BANK
STA. 12069+12 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12069+24 TOP BANK
STA. 12071+23 PI – 62°14'09" RT

STA. 12078+18 FENCE
STA. 12078+23 TOP BANK
STA. 12078+23 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12078+32 TOP BANK
STA. 12078+32 ROAD EDGE
STA. 12078+45 PAVED, DENNISON RD CENTERLINE
STA. 12078+57 ROAD EDGE
STA. 12078+68 TOP BANK
STA. 12078+73 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12078+73 TOP BANK

STA. 12093+97 PI – 32°2'10" LT

STA. 12095+28 TOE BANK
STA. 12095+33 TOP BANK
STA. 12095+34 ROAD EDGE
STA. 12095+47 PAVED, MEAD RD CENTERLINE
STA. 12095+51 PI – 01°54'16" LT
STA. 12095+55 ROAD EDGE
STA. 12095+56 TOP BANK
STA. 12095+67 TOE BANK
STA. 12095+70 POWERLINE, CLEARANCE 25 FT.
STA. 12096+07 PI – 02°09'10" RT

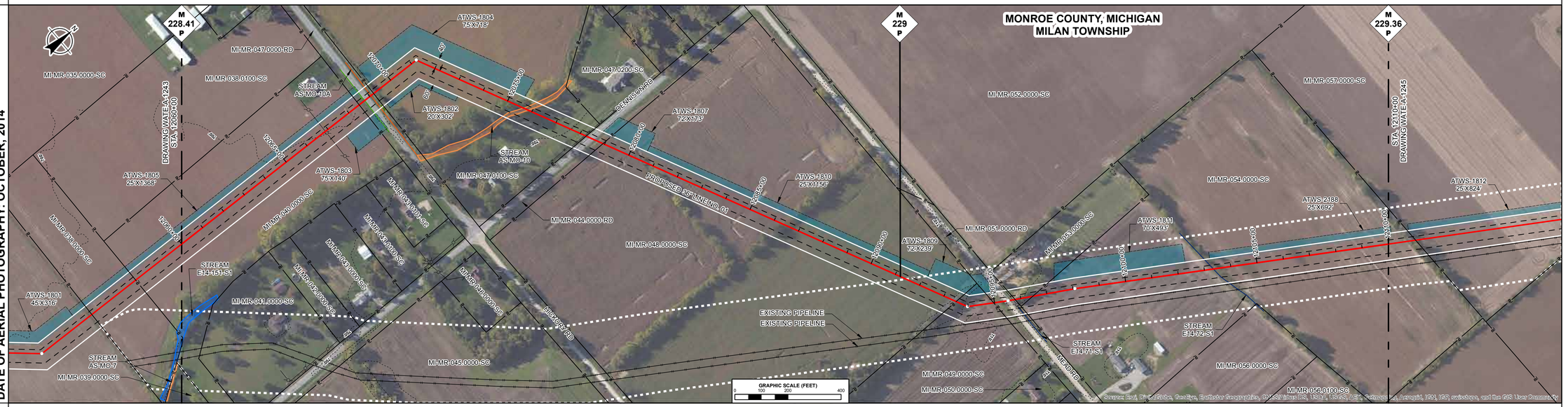
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12069+06 CENTERLINE OF STREAM AS-MO-10A TRIB TO CENTER CREEK

STA. 12075+08 STREAM CENTER CREEK AS-MO-10 ENTER

STA. 12076+28 STREAM CENTER CREEK AS-MO-10 EXIT

STA. 12103+34 CENTERLINE OF STREAM E14-72-S1 TRIB TO NORTH BRANCH MACONCREEK

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

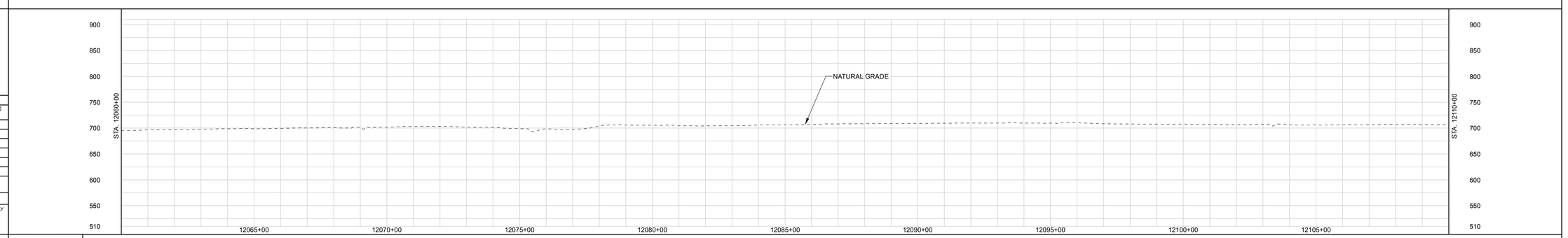
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\290K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 244 of 266.pdf PLOT TIME: 2015-04-22 17:18:25

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		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:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

ENGINEERING APPROVALS

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 228.41 to M.P. 229.36
STA. 12060+00 to STA. 12110+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1244	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

12110+00	MI-MR-054.0000-SC	12111+03	MI-MR-057.0000-SC	12118+62	MI-MR-058.0000-SC	12128+39	MI-MR-059.0000-SC	12141+85	MI-MR-062.0000-SC	12144+71	MI-MR-063.0000-SC	12157+79	MI-MR-064.0000-SC	12160+00
	103 FT. 6.2 RODS		759 FT. 46.0 RODS		777 FT. 47.1 RODS		1546 FT. 93.7 RODS		286 FT. 17.3 RODS		1308 FT. 79.3 RODS		221 FT. 13.4 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12117+88 PI – 00°01'37" LT

STA. 12127+46 PI – 01°06'23" LT

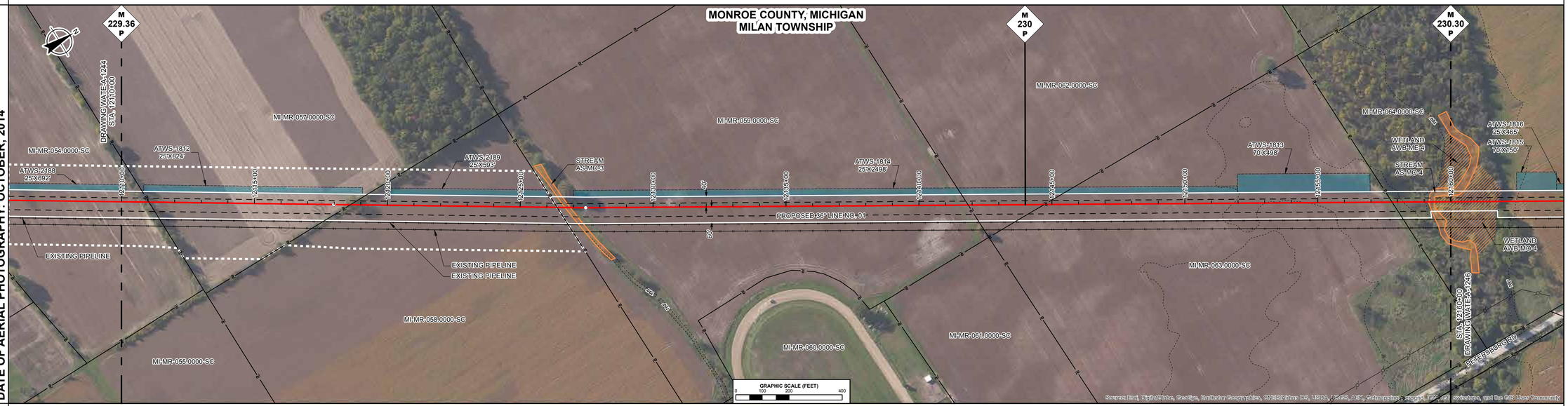
CLASS LOCATION

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 — 120'
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE — W
- RAILROAD TRACK
- TELEPHONE — T
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12126+39 STREAM TRIB TO NORTH BRANCH MACON CREEK AS-MO-3 ENTER

STA. 12127+97 STREAM TRIB TO NORTH BRANCH MACON CREEK AS-MO-3 EXIT

STA. 12159+17 STREAM NORTH BRANCH MACON CREEK AS-MO-4 ENTER AND AWB-MO-4 ENTER

STA. 12159+45 WETLAND AWB-MO-4 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

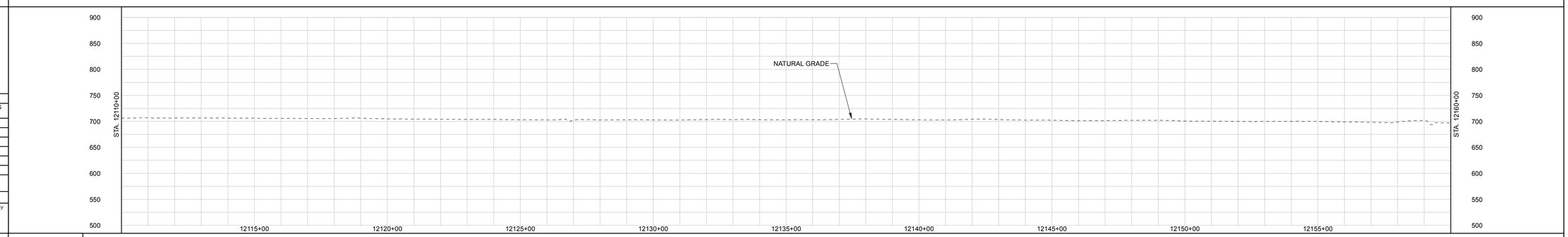
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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		A			ISSUED FOR FERC	MATERIALS		

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 229.36 to M.P. 230.30
STA. 12110+00 to STA. 12160+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1245	REV. A

P:\205_UPSTREAM_PIPELINE\205K GIS\ToBeSaved\ NEXUS PROPOSED MAINLINE PIPELINE 245-of-266.pdf PLOT TIME: 2015-04-22 17:23:36

DWG. #

RIGHT-OF-WAY

TRACT NUMBERS

12160+00

MI-MR-064.0000-SC
1093 FT.
66.2 RODS

12170+93

MI-MR-067.0000-RD
134 FT.
8.1 RODS

12172+27

MI-MR-068.0000-SC
93 FT.
5.6 RODS

12173+20

MI-MR-069.0000-RD
77 FT.
4.7 RODS

12173+97

MI-MR-070.0000-SC
1839 FT.
111.5 RODS

12192+36

MI-MR-071.0000-SC
1192 FT.
72.2 RODS

12204+28

MI-WA-002.0000-SC
572 FT.
34.7 RODS

12210+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12171+15 TOE BANK
STA. 12171+26 TOP BANK
STA. 12171+27 ROAD EDGE
STA. 12171+53 GRAVEL
PETERSBURG RD.
CENTERLINE
STA. 12171+74 ROAD EDGE
STA. 12171+77 TOP BANK
STA. 12171+97 TOE BANK
STA. 12173+32 TOE BANK
STA. 12173+34 TOP BANK
STA. 12173+51 ROAD EDGE
STA. 12173+63 PAVED.
REDMAN RD
CENTERLINE
STA. 12173+76 ROAD EDGE
STA. 12173+80 TOP BANK
STA. 12173+88 TOE BANK

STA. 12191+64 PI = 04°21'13" RT
STA. 12192+22 MUNICIPALITY LINE

STA. 12204+30 PI = 09°30'58" LT
STA. 12204+37 MUNICIPALITY LINE

STA. 12209+04 PI = 26°00'17" LT

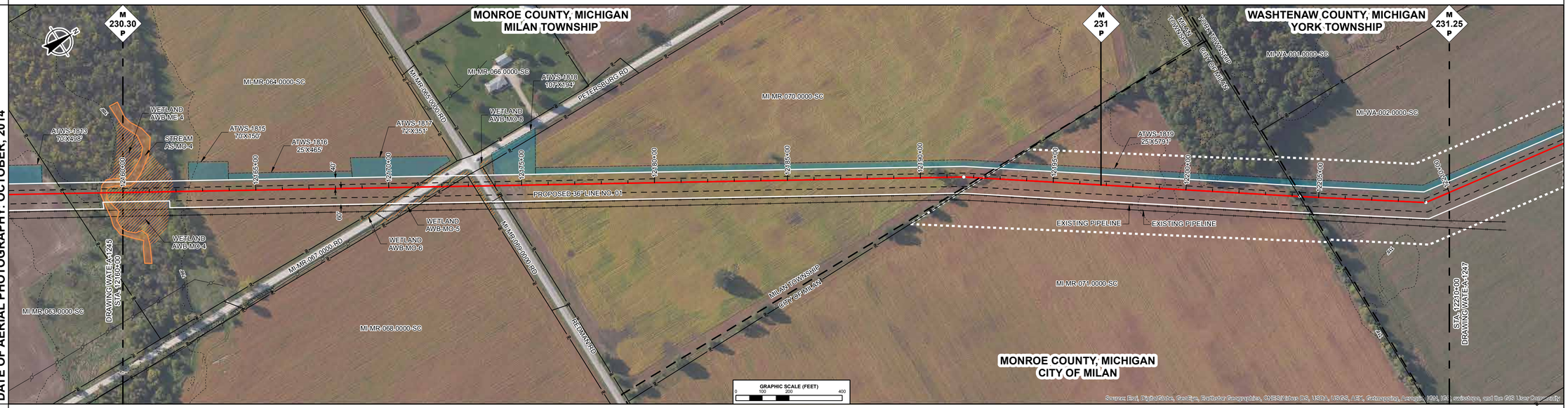
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W)
- RAILROAD TRACK
- TELEPHONE (T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12160+49 STREAM NORTH BRANCH MACON CREEK AS-MO-4 EXIT
STA. 12161+42 WETLAND AWB-MO-4 EXIT

STA. 12170+00 WETLAND AWB-MO-6 ENTER
STA. 12170+82 WETLAND AWB-MO-5 ENTER
STA. 12171+85 WETLAND AWB-MO-6 EXIT
STA. 12173+63 WETLAND AWB-MO-5 ENTER
STA. 12173+72 WETLAND AWB-MO-5 EXIT
STA. 12173+80 WETLAND AWB-MO-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

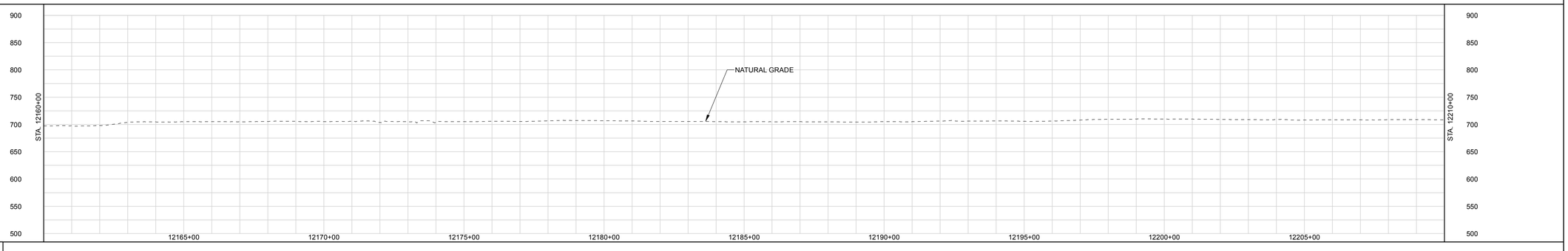
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 230.30 to M.P. 231.25
STA. 12160+00 to STA. 12210+00
ALIGNMENT SHEET

LOC. MONROE COUNTY, MICHIGAN AND WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1246	REV. A

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

IG.#

P:\295_UPSTREAM_PIPELINE\295K_GIS\ArcMap\exhibits\NEXUS PROPOSED MAINLINE PIPELINE 246 of 295.pdf - PLOT TIME: 2015-04-22 17:28:01

RIGHT-OF-WAY

TRACT NUMBERS

12210+00 | MI-WA-002.0000-SC: 2174 FT. / 131.8 RODS | 12231+74 | MI-WA-002.0100-SC: 877 FT. / 53.2 RODS | 12240+51 | MI-WA-004.0000-SC: 396 FT. / 24.0 RODS | 12244+47 | MI-WA-004.0100-RD: 26 FT. / 1.6 RODS | 12244+73 | MI-WA-004.0000-SC: 1527 FT. / 92.5 RODS | 12260+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12233+23 P.I. – 30°04'25" RT
STA. 12235+12 HDD ENTRY
STA. 12244+15 POWERLINE, CLEARANCE 20 FT.
STA. 12244+33 TOE BANK
STA. 12244+45 TOP BANK
STA. 12244+45 FENCE
STA. 12244+60 ROAD EDGE
STA. 12244+67 RR TO MOORESVILLE RD
CENTERLINE
STA. 12244+71 ROAD EDGE
STA. 12244+81 SEWER P.L.
STA. 12251+41 HDD EXIT
STA. 12268+93 P.I. – 15°40'02" RT

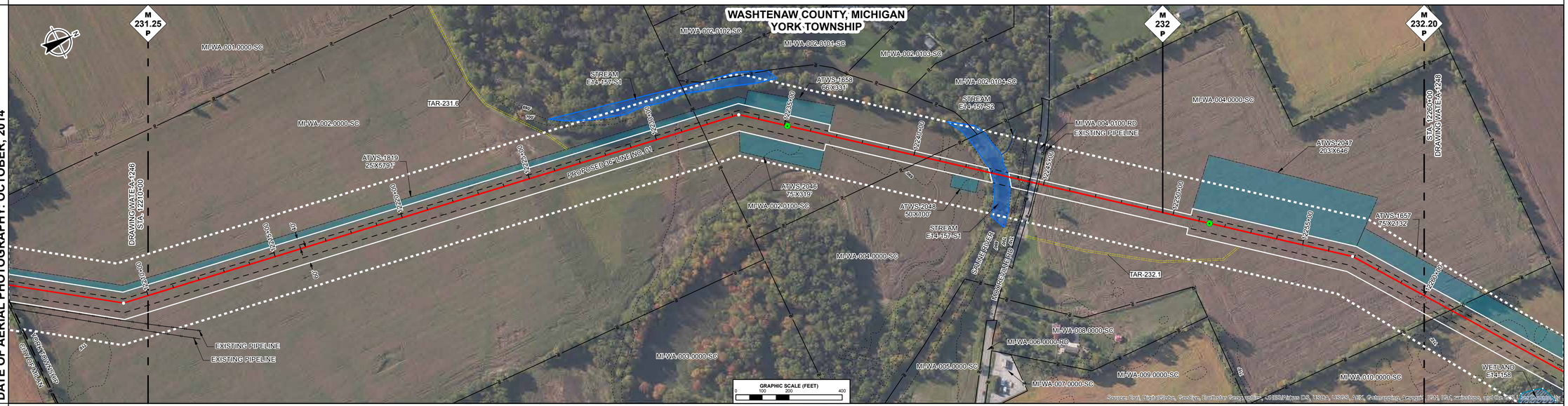
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 12242+89 STREAM SALINE RIVER E14-157-S1 ENTER
STA. 12243+77 STREAM SALINE RIVER E14-157-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

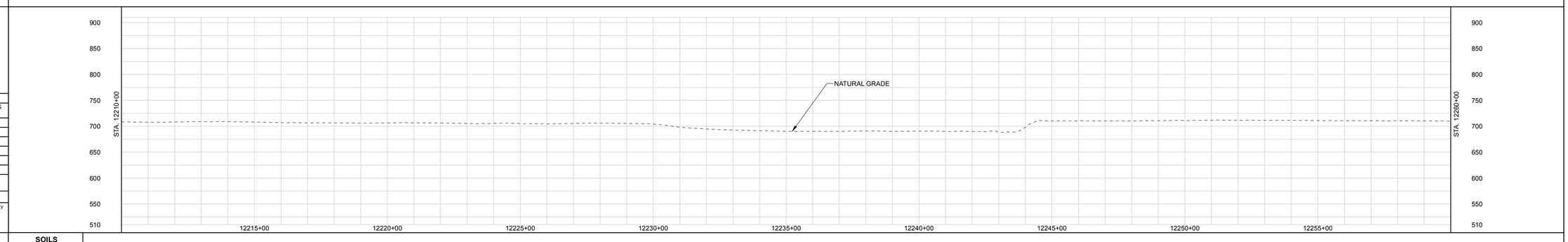
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 231.25 to M.P. 232.20
STA. 12210+00 to STA. 12260+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1247 | REV. A

P:\205_UPSTREAM_PIPELINE\205K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 247 of 266.tpf PLOT TIME: 2015-04-22 17:32:55

RIGHT-OF-WAY

TRACT NUMBERS

12260+00	MI-WA-004.0000-SC	12261+15	MI-WA-010.0000-SC	12268+20	MI-WA-017.0000-SC	12277+65	MI-WA-019.0000-RD	12278+37	MI-WA-021.0000-SC	12290+51	MI-WA-022.0000-RR	12291+40	MI-WA-023.0000-SC	12292+26	MI-WA-024.0000-SC	12304+26	MI-WA-025.0000-SC	12310+00
	115 FT. 7.0 RODS		705 FT. 42.7 RODS		945 FT. 57.3 RODS		72 FT. 4.4 RODS		1214 FT. 73.6 RODS		89 FT. 5.4 RODS		86 FT. 5.2 RODS		1200 FT. 72.7 RODS		574 FT. 34.8 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12276+65 PI – 04°38'01" RT
STA. 12277+60 TOP BANK
STA. 12277+75 DITCH, DEPTH 0.4 FT. CENTERLINE
STA. 12277+87 TOP BANK
STA. 12277+88 ROAD EDGE
STA. 12278+04 ROAD PLATT RD CENTERLINE
STA. 12278+18 ROAD EDGE
STA. 12278+20 TOP BANK
STA. 12278+29 DITCH, DEPTH 0.4 FT. CENTERLINE
STA. 12278+36 TOP BANK
STA. 12280+51 PI – 23°16'32" LT
STA. 12280+70 OIL PL
STA. 12281+40 OIL PL

STA. 12290+92 RAILROAD CENTERLINE (SCALED)

STA. 12291+82 OIL PL
STA. 12292+18 OIL PL

STA. 12293+09 PI – 00°26'28" LT

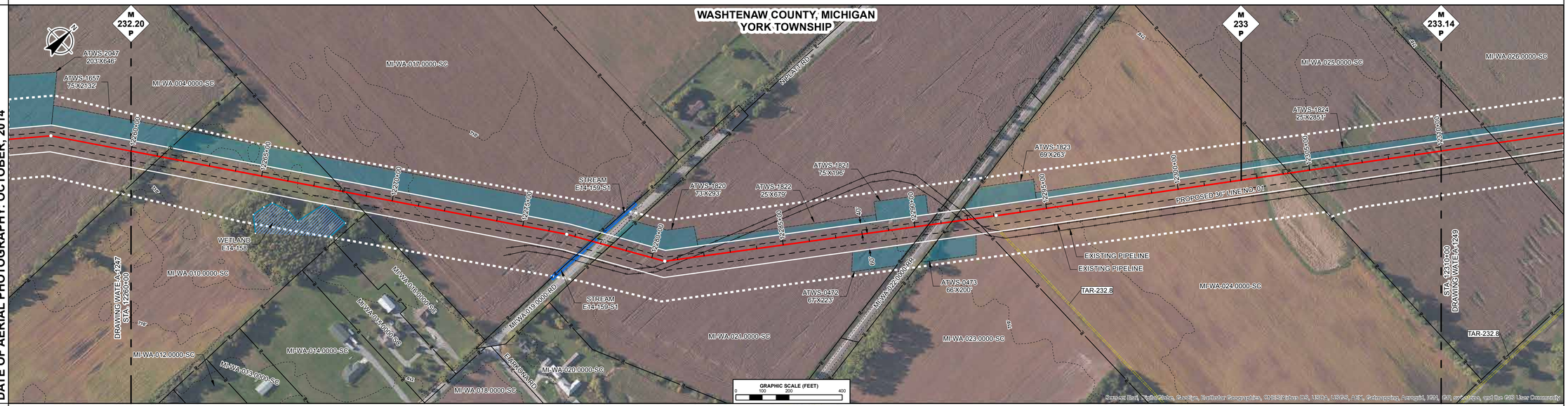
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12277+28 STREAM TRIB TO SALINE RIVER E14-159-S1 ENTER
STA. 12277+94 STREAM TRIB TO SALINE RIVER E14-159-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

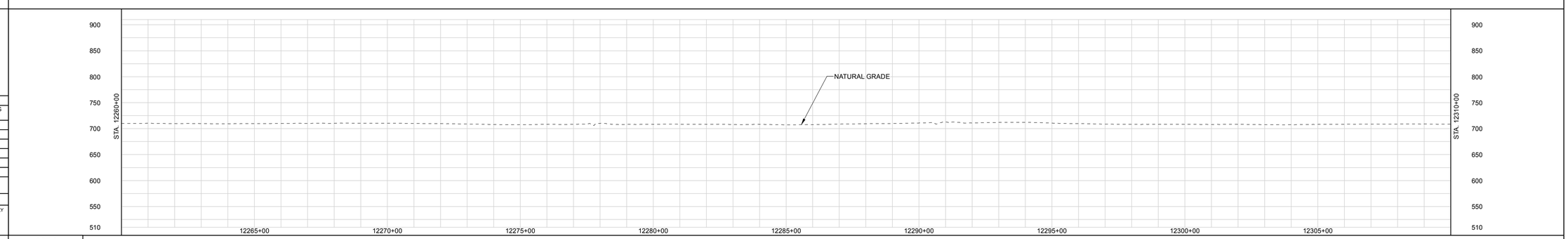
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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. 232.20 to M.P. 233.14
STA. 12260+00 to STA. 12310+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1248	REV. A

P:\265_UPSTREAM_PIPELINE\265K_GIS\TurboRouter\NEXUS PROPOSED MAINLINE PIPELINE 248 of 266.pdf PLOT TIME: 2015-04-23 09:37:13

DIG #

RIGHT-OF-WAY

TRACT NUMBERS

12310+00	MI-WA-025.0000-SC	12312+18	MI-WA-026.0000-SC	12322+85	MI-WA-028.0000-SC	12325+06	MI-WA-029.0000-RD	12336+84	MI-WA-030.0000-SC	12340+92	MI-WA-031.0000-RD	12348+00	MI-WA-033.0000-SC	12348+91	MI-WA-034.0000-SC	12352+12	MI-WA-035.0000-SC	12360+00
	218 FT. 13.2 RODS		1067 FT. 64.7 RODS		1221 FT. 74.0 RODS		178 FT. 10.8 RODS		408 FT. 24.7 RODS		508 FT. 30.8 RODS		201 FT. 12.2 RODS		411 FT. 24.9 RODS		788 FT. 47.8 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12322+49 PI – 03°54'32" LT
STA. 12322+88 POWERLINE.
CLEARANCE 20 FT.
STA. 12323+09 ROAD EDGE
STA. 12323+17 DRIVEWAY
CENTERLINE
STA. 12323+20 ROAD EDGE
STA. 12323+32 TOE BANK
STA. 12323+42 TOE BANK
STA. 12323+73 ROAD EDGE
STA. 12324+68 CHANNEL, NONE
CENTERLINE
STA. 12323+88 ROAD EDGE

STA. 12330+26 CULVERT

STA. 12335+00 TOP BANK
STA. 12335+08 POWERLINE.
CLEARANCE 30 FT.
STA. 12335+18 DITCH, DEPTH
0.6 FT. CENTERLINE
STA. 12335+18 DITCH, DEPTH
0.6 FT. CENTERLINE
STA. 12335+62 TOP BANK
STA. 12335+63 FENCE
STA. 12335+78 ROAD EDGE
STA. 12335+83 PWEL,
WILLOW RD
CENTERLINE
STA. 12336+03 ROAD EDGE
STA. 12336+09 TOP BANK
STA. 12336+18 FENCE
STA. 12336+40
UNDERGROUND OTHER
STA. 12336+60
UNDERGROUND FIBER
STA. 12336+62 DITCH, DEPTH
0.2 FT. CENTERLINE
STA. 12338+72 TOP BANK

STA. 12338+43 PI – 01°51'52" RT
STA. 12341+01 FENCE
STA. 12341+64 TOP BANK
STA. 12341+78 DITCH, DEPTH
0 FT. CENTERLINE
STA. 12342+33 TOP BANK
STA. 12342+53 ROAD EDGE
STA. 12342+69 LUMBER, 2 S
(SCALED) CENTERLINE
STA. 12342+69 TOP BANK
STA. 12343+81 TOE BANK
STA. 12343+92 TOE BANK
STA. 12344+12 ROAD EDGE
STA. 12344+31 US HWY 23 N
(SCALED) CENTERLINE
STA. 12344+43 ROAD EDGE
STA. 12344+77 TOP BANK
STA. 12345+18 DITCH, DEPTH
0.5 FT. CENTERLINE
STA. 12345+49 TOP BANK
STA. 12346+08 FENCE

STA. 12355+32 PI – 06°16'07" RT

STA. 12357+26 PI – 01°57'28" RT

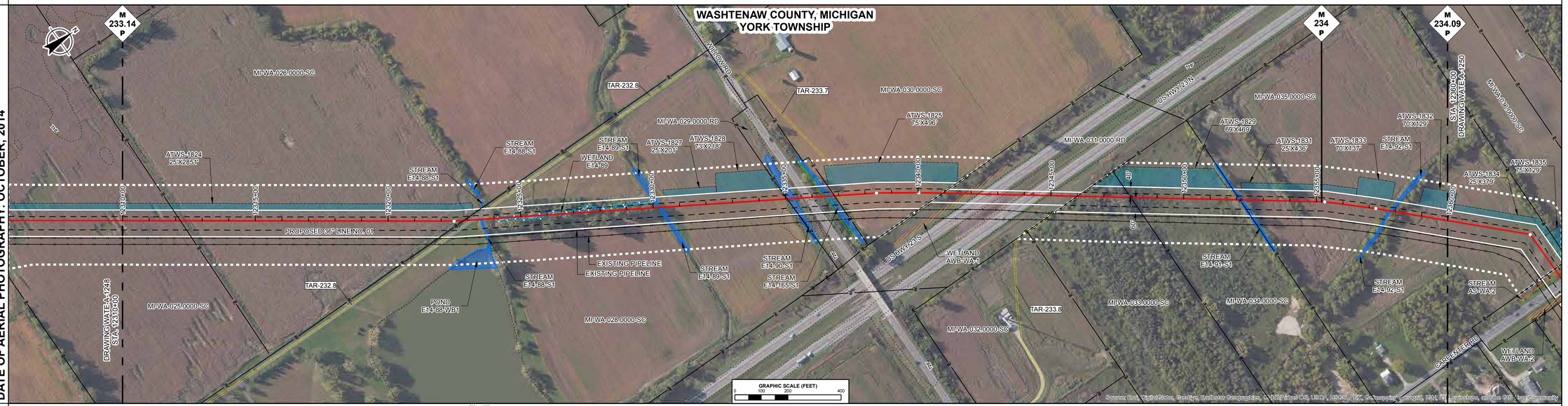
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12323+49 STREAM MCINTYRE DRAIN E14-88-S1 ENTER
STA. 12323+88 STREAM MCINTYRE DRAIN E14-88-S1 EXIT
STA. 12324+13 WETLAND E14-89 ENTER

STA. 12329+93 STREAM TRIB TO MCINTYRE DRAIN E14-89-S1 ENTER
STA. 12330+06 WETLAND E14-89 EXIT

STA. 12330+65 STREAM TRIB TO MCINTYRE DRAIN E14-89-S1 EXIT

STA. 12334+87 STREAM TRIB TO MCINTYRE DRAIN E14-90-S1 ENTER
STA. 12335+02 STREAM TRIB TO MCINTYRE DRAIN E14-90-S1 EXIT
STA. 12336+30 STREAM TRIB TO MCINTYRE DRAIN E14-165-S1 ENTER
STA. 12337+05 STREAM TRIB TO MCINTYRE DRAIN E14-165-S1 EXIT

STA. 12341+31 WETLAND AWB-WA-1 ENTER
STA. 12342+21 WETLAND AWB-WA-1 EXIT

STA. 12351+61 STREAM TRIB TO SUGAR CREEK E14-91-S1 ENTER
STA. 12352+66 STREAM TRIB TO SUGAR CREEK E14-91-S1 EXIT

STA. 12357+66 STREAM SUGAR CREEK E14-92-S1 ENTER
STA. 12358+10 STREAM SUGAR CREEK E14-92-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

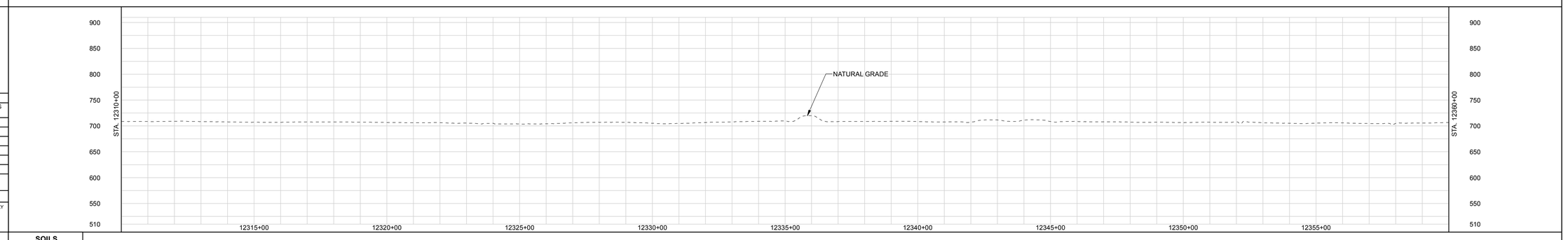
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\299K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 249-of-266.tpf PLOT TIME: 2015-04-23 09:43:00

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		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. 233.14 to M.P. 234.09
STA. 12310+00 to STA. 12360+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1249	REV. A

RIGHT-OF-WAY

TRACT NUMBERS

12360+00	MI-WA-035.0000-SC	12364+75	MI-WA-037.0000-RD	12365+89	MI-WA-039.0000-SC	12370+92	MI-WA-040.0000-SC	12373+03	MI-WA-041.0000-SC	12391+71	MI-WA-043.0000-SC	12405+51	MI-WA-045.0000-SC	12409+77	MI-WA-047.0000-SC	12410+00
	475 FT.		114 FT.		503 FT.		211 FT.		1868 FT.		1380 FT.		376 FT.		73 FT.	
	28.8 RODS		6.9 RODS		30.5 RODS		12.8 RODS		113.2 RODS		83.6 RODS		22.8 RODS		4.4 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12359+16 PI – 45°11'24" RT
STA. 12364+78 TOP BANK
STA. 12364+78 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12365+10 UNDERGROUND UNKNOWN
STA. 12365+16 TOP BANK
STA. 12365+21 ROAD EDGE
STA. 12365+43 ROAD CENTERLINE CARPENTER RD
STA. 12365+50 ROAD EDGE
STA. 12365+53 TOP BANK
STA. 12365+74 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12365+84 POWERLINE, CLEARANCE 20 FT.
STA. 12365+88 TOP BANK
STA. 12367+50 PI – 49°21'34" LT

STA. 12371+89 POWERLINE (SCALED)

STA. 12406+93 PI – 90°21'17" LT

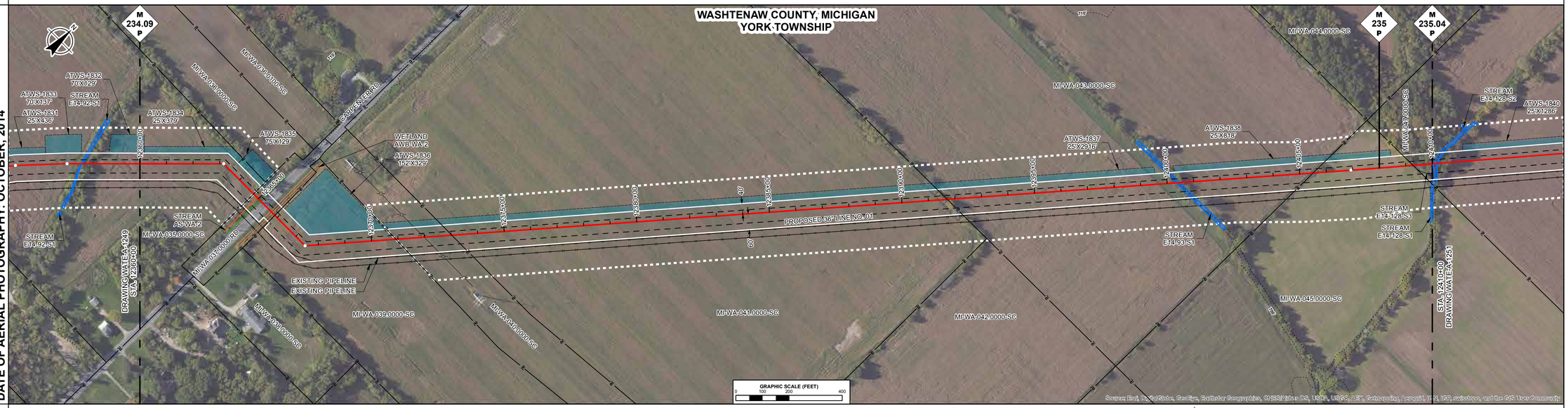
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12364+93 CENTERLINE OF STREAM AS-WA-2 TRIB TO SUGAR CREEK
STA. 12365+84 WETLAND AWB-WA-2 ENTER
STA. 12366+34 WETLAND AWB-WA-2 EXIT
STA. 12400+01 STREAM TRIB TO BUCK CREEK E14-93-S1 ENTER
STA. 12401+01 STREAM TRIB TO BUCK CREEK E14-93-S1 EXIT
STA. 12410+00 STREAM BUCK CREEK E14-128-S1 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

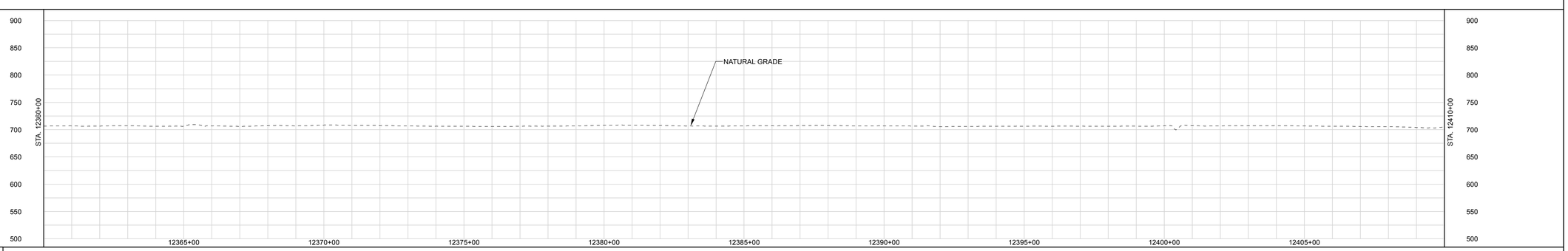
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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		A			ISSUED FOR FERC	REVISIONS		MATERIALS

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 234.09 to M.P. 235.04
STA. 12360+00 to STA. 12410+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1250	REV. A

P:\265_UPSTREAM_PIPELINE\265K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 250 of 266.pdf PLOT TIME: 2015-04-23 09:49:44

RIGHT-OF-WAY

TRACT NUMBERS

12410+00 | MI-WA-047.0000-SC: 1505 FT. / 91.2 RODS | 12425+05 | MI-WA-048.0000-RD: 70 FT. / 4.2 RODS | 12425+75 | MI-WA-047.0000-SC: 238 FT. / 14.4 RODS | 12428+13 | MI-WA-050.0000-SC: 421 FT. / 25.5 RODS | 12432+34 | MI-WA-051.0000-SC: 1140 FT. / 69.1 RODS | 12443+74 | MI-WA-054.0000-SC: 1170 FT. / 70.9 RODS | 12455+44 | MI-WA-058.0000-SC: 456 FT. / 27.6 RODS | 12460+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12423+00 PI – 19°52'58" RT
STA. 12424+92 POWERLINE, CLEARANCE 25 FT.
STA. 12425+00 TOP BANK
STA. 12425+12 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12425+25 TOP BANK
STA. 12425+28 ROAD EDGE
STA. 12425+38 PAVED, SANFORD RD
CENTERLINE
STA. 12425+52 ROAD EDGE
STA. 12425+54 TOP BANK
STA. 12425+67 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12427+02 PI – 14°03'27" LT
STA. 12425+72 TOP BANK

STA. 12443+23 PI – 00°24'17" RT
STA. 12442+52 POWERLINE, CLEARANCE 40 FT.
STA. 12442+68 POWERLINE, CLEARANCE 40 FT.

STA. 12444+65 MUNICIPALITY LINE

STA. 12446+47 PI – 23°11'15" LT

STA. 12454+57 PI – 46°15'32" RT

STA. 12456+84 WATER WELL, 200 FT. RIGHT

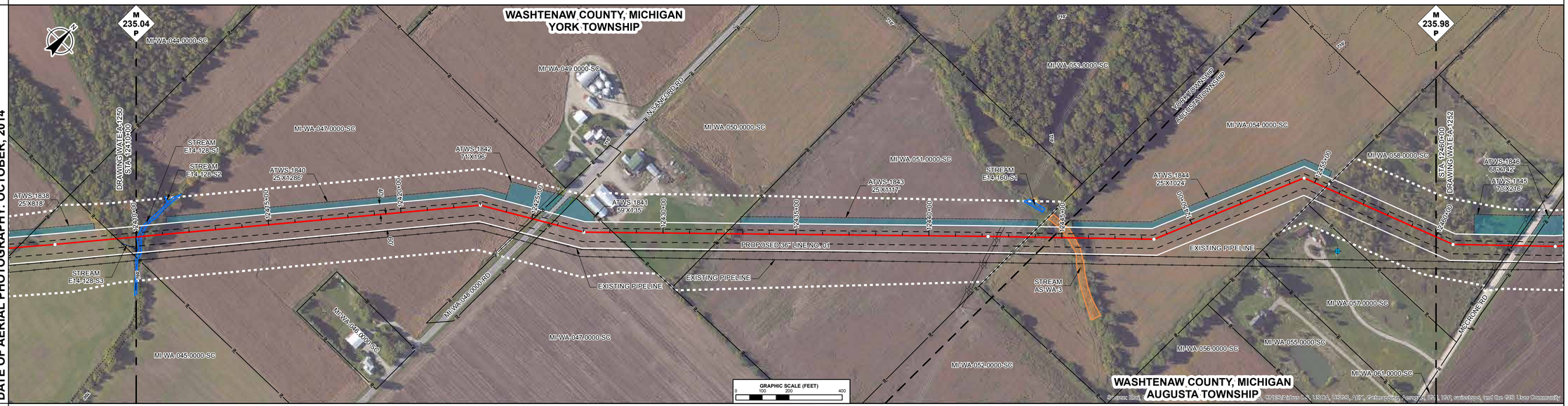
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12410+47 STREAM BUCK CREEK E14-128-S1 EXIT

STA. 12444+86 STREAM TRIB TO STONY CREEK-AS-WA-3 ENTER

STA. 12445+71 STREAM TRIB TO STONY CREEK-AS-WA-3 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

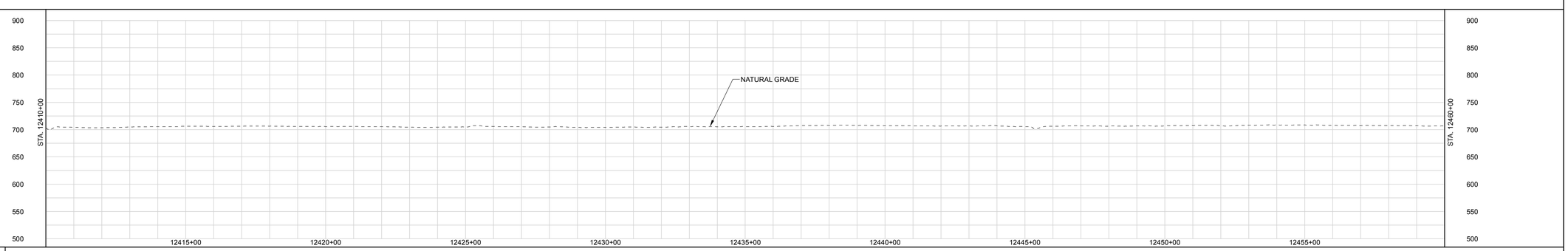
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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		A			ISSUED FOR FERC	MATERIALS		

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 235.04 to M.P. 235.98
STA. 12410+00 to STA. 12460+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1251 | REV. A

P:\265_UPSTREAM_PIPELINE\299K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 251 of 266.tpf PLOT TIME: 2015-04-22 13:22:14

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12460+00 | MI-WA-058.0000-SC | 295 FT. | 17.9 RODS | 12462+95 | MI-WA-059.0000-RD | 63 FT. | 3.8 RODS | 12463+58 | MI-WA-061.0000-SC | 1387 FT. | 84.1 RODS | 12477+45 | MI-WA-063.0000-RD | 71 FT. | 4.3 RODS | 12478+16 | MI-WA-064.0000-SC | 571 FT. | 34.6 RODS | 12483+87 | MI-WA-065.0000-SC | 1355 FT. | 82.1 RODS | 12497+42 | MI-WA-066.0000-SC | 1258 FT. | 76.2 RODS | 12510+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12460+70 PI – 23°01'58" LT
STA. 12460+61 POWERLINE, CLEARANCE 25 FT.
STA. 12462+87 TOP BANK
STA. 12462+93 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12462+98 TOP BANK
STA. 12463+07 ROAD EDGE
STA. 12463+20 DIRT MCCRONE RD CENTERLINE
STA. 12463+36 ROAD EDGE
STA. 12463+44 TOP BANK
STA. 12463+49 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12460+55 TOP BANK

STA. 12464+55 PI – 05°03'20" LT

STA. 12475+69 PI – 41°21'43" LT

STA. 12477+00 PI – 46°42'00" RT
STA. 12477+44 POWERLINE, CLEARANCE 25 FT.
STA. 12477+62 ROAD EDGE
STA. 12477+77 DIRT, JUDD RD CENTERLINE
STA. 12477+82 ROAD EDGE
STA. 12478+03 TOP BANK
STA. 12478+06 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12478+16 TOP BANK

STA. 12480+13 PI – 05°19'09" LT
STA. 12480+92 VALVE FENCE
STA. 12481+41 VALVE FENCE
STA. 12481+42 VALVE FENCE

STA. 12468+41 PI – 46°05'20" RT
STA. 12469+29 GAS PL
STA. 12469+64 OIL PL

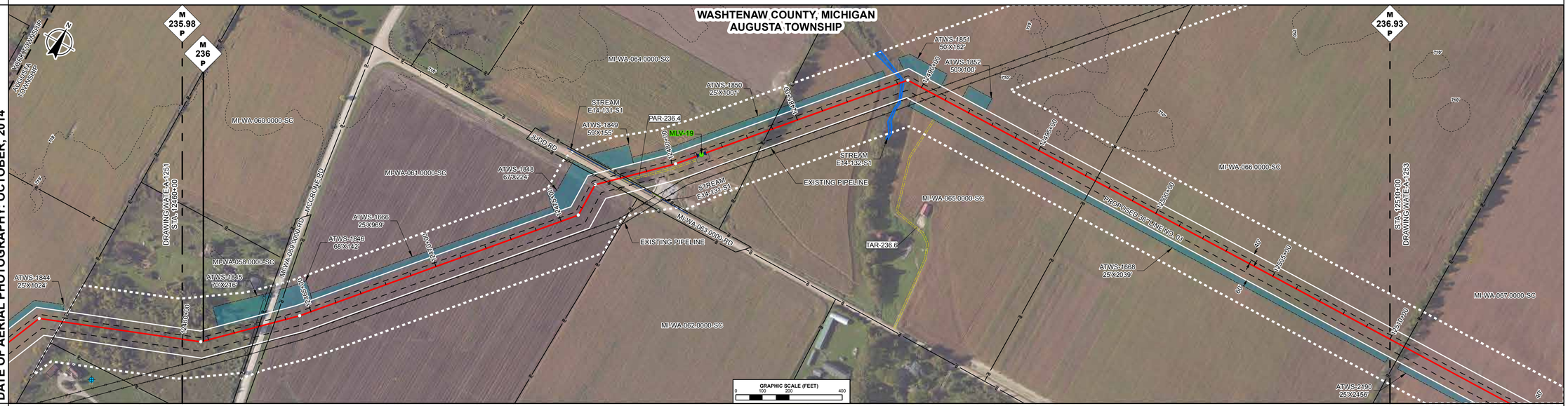
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (◇ 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12478+06 CENTERLINE OF STREAM E14-131-S1 TRIB TO STONY CREEK

STA. 12488+85 STREAM STONY CREEK E14-132-S1 ENTER
STA. 12489+25 STREAM STONY CREEK E14-132-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

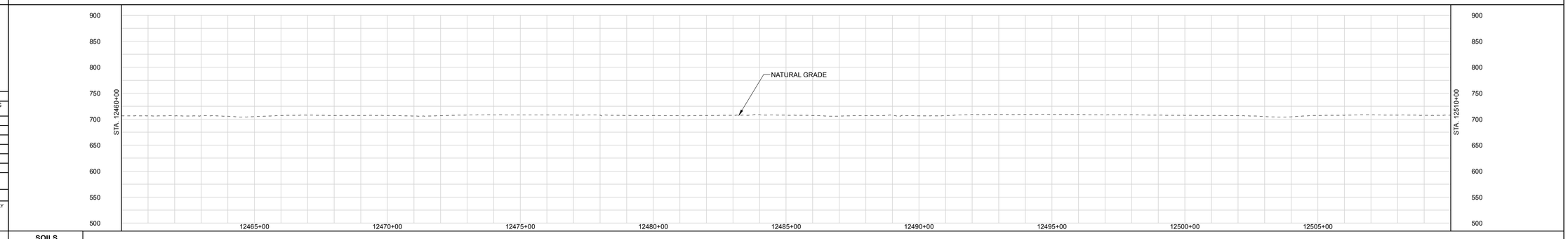
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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

DRAWN BY:
TITLE

ENGINEERING APPROVALS

BID		CONSTRUCTION	
SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 235.98 to M.P. 236.93
STA. 12460+00 to STA. 12510+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

23-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1252	REV. A

P:\205_UPSTREAM_PIPELINE\205K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 252.irf\266.pdf PLOT TIME: 2015-04-23 09:55:42

RIGHT-OF-WAY

TRACT NUMBERS

12510+00	MI-WA-066.0000-SC	12510+60	MI-WA-067.0000-SC	12517+11	MI-WA-067.0100-SC	12520+50	MI-WA-067.0101-SC	12523+88	MI-WA-067.0102-SC	12527+08	MI-WA-067.0103-SC	12536+89	MI-WA-067.0104-RD	12537+38	MI-WA-067.0106-SC	12560+00
	61 FT. 3.7 RODS		651 FT. 39.5 RODS		339 FT. 20.5 RODS		338 FT. 20.5 RODS		320 FT. 19.4 RODS		978 FT. 59.3 RODS		49 FT. 3.0 RODS		2262 FT. 137.1 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12538+88 TOE BANK
STA. 12538+94 TOE BANK
STA. 12539+95 ROAD EDGE
STA. 12537+06 GRAVEL
PM-WA-067.0104-RD CENTERLINE
STA. 12537+16 ROAD EDGE

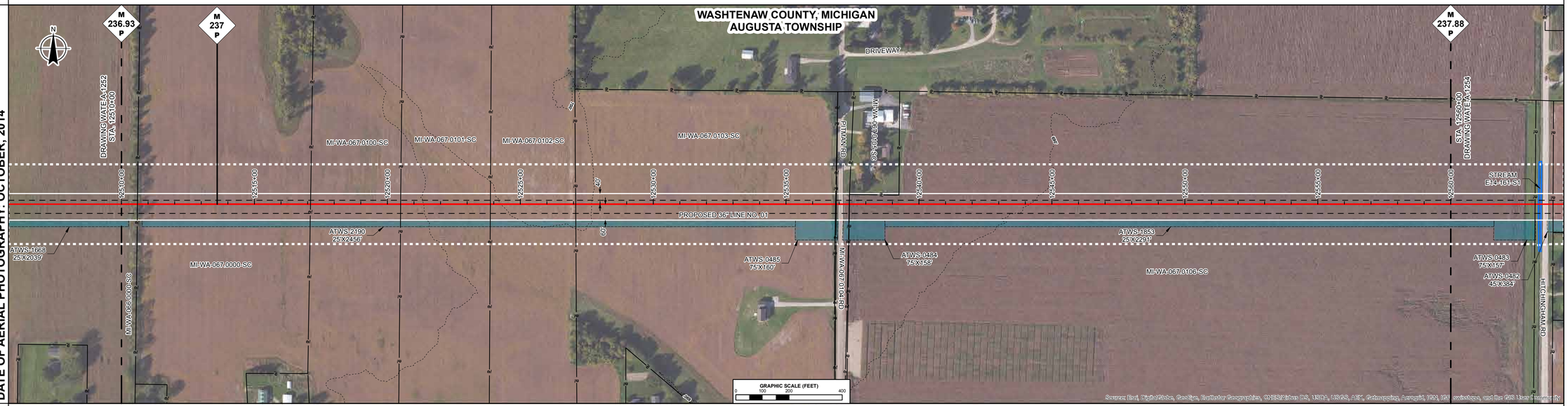
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (◇ 0.0 P)
- 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

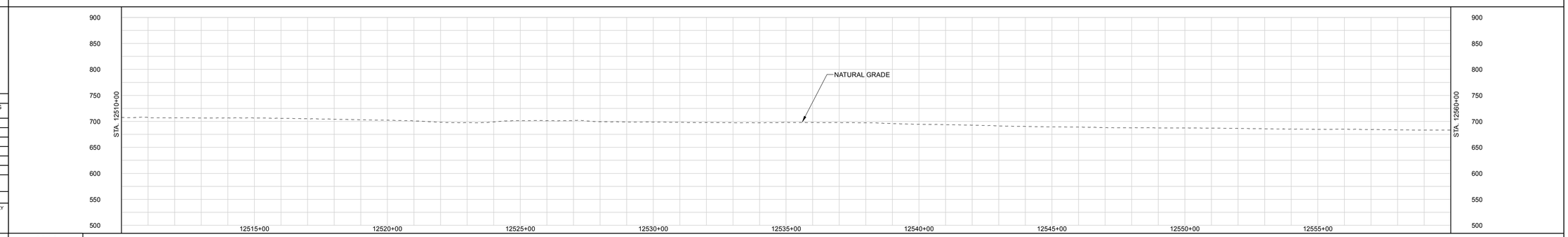
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

GENERAL NOTES:

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

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

REV	DSN	CK	DESCRIPTION	DWG. NO.	DESCRIPTION
A			ISSUED FOR FERC		

REFERENCE DRAWINGS | REVISIONS | MATERIALS

ITEM NO.	DESCRIPTION	LN. FT.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 236.93 to M.P. 237.88
STA. 12510+00 to STA. 12560+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1253	REV. A

P:\205_UPSTREAM_PIPELINE\205K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 253-of-266.pdf PLOT TIME: 2015-04-22 16:03:03

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12560+00 | MI-WA-067.0106-SC: 317 FT. / 19.2 RODS | 12563+17 | MI-WA-067.0107-RD: 67 FT. / 4.1 RODS | 12563+84 | MI-WA-067.0108-SC: 1304 FT. / 79.0 RODS | 12576+88 | MI-WA-067.0110-SC: 505 FT. / 30.6 RODS | 12581+93 | MI-WA-067.0112-SC: 1111 FT. / 67.3 RODS | 12593+04 | MI-WA-067.0113-SC: 685 FT. / 41.5 RODS | 12599+89 | MI-WA-067.0118-SC: 1011 FT. / 61.3 RODS | 12610+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12563+28 TOE BANK
STA. 12563+44 TOE BANK
STA. 12563+48 ROAD EDGE
STA. 12563+57 GRAVEL
HITCHINGHAM RD
CENTERLINE
STA. 12563+68 ROAD EDGE
STA. 12563+69 TOE BANK
STA. 12563+72 TOE BANK
STA. 12565+16 POWERLINE, CLEARANCE 20 FT.

STA. 12576+76 PI – 47°06'01" LT

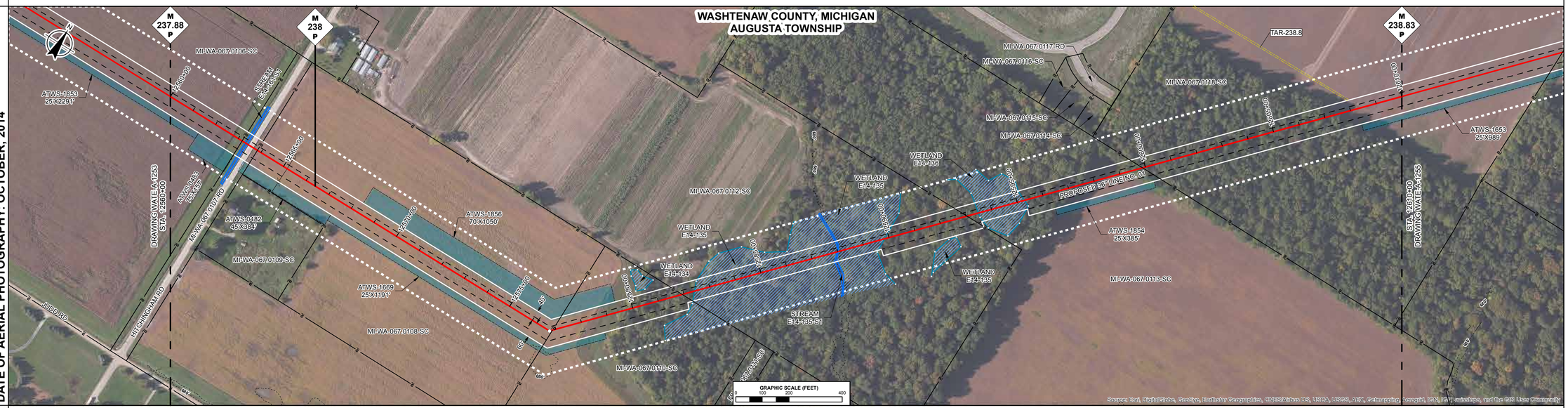
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W)
- RAILROAD TRACK
- TELEPHONE (T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12563+29 STREAM TRIB TO MCCARTHY DRAIN E14-161-S1 ENTER
STA. 12563+44 STREAM TRIB TO MCCARTHY DRAIN E14-161-S1 EXIT
STA. 12582+25 WETLAND E14-135 ENTER
STA. 12587+78 STREAM MCCARTHY DRAIN E14-105-S1 ENTER
STA. 12588+09 STREAM MCCARTHY DRAIN E14-105-S1 EXIT
STA. 12589+22 WETLAND E14-135 EXIT
STA. 12593+45 WETLAND E14-136 ENTER
STA. 12595+37 WETLAND E14-136 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

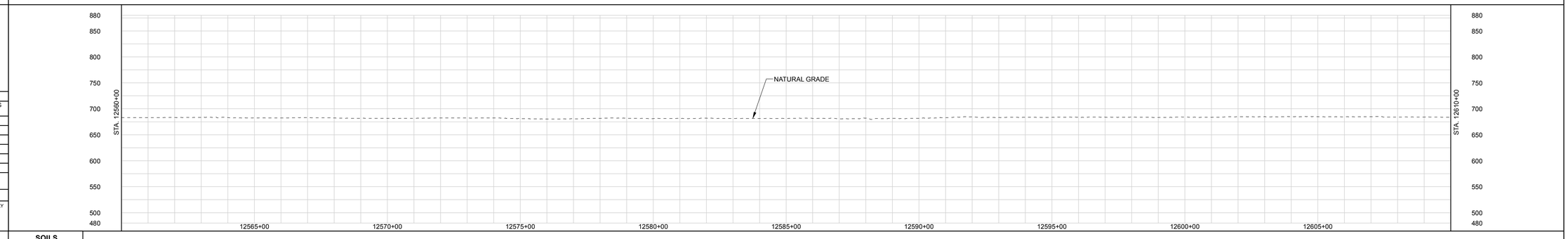
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

GENERAL NOTES:

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

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

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

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 237.88 to M.P. 238.83
STA. 12560+00 to STA. 12610+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1254	REV. A

P:\205_UPSTREAM_PIPELINE\290K GIS\ToBeRuun NEXUS PROPOSED MAINLINE PIPELINE 254-I-7265.pdf PLOT TIME: 2015-04-22 16:05:14

RIGHT-OF-WAY

TRACT NUMBERS

12610+00	MI-WA-067.0118-SC	12616+27	MI-WA-067.0119-SC	12630+81	MI-WA-067.0122-RD	12631+59	MI-WA-067.0123-SC	12650+95	MI-WA-067.0125-SC	12643+97	MI-WA-067.0127-RD	12644+30	MI-WA-067.0128-SC	12648+11	MI-WA-067.0131-SC	12651+21	MI-WA-067.0132-SC	12654+18	MI-WA-067.0133-SC	12658+49	MI-WA-067.0134-SC	12660+00
	627 FT.		1454 FT.		78 FT.		936 FT.		302 FT.		33 FT.		381 FT.		310 FT.		297 FT.		431 FT.		151 FT.	
	38.0 RODS		88.1 RODS		4.7 RODS		56.7 RODS		18.3 RODS		2.0 RODS		23.1 RODS		18.8 RODS		18.0 RODS		26.1 RODS		9.2 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12621+10 PI – 47°38'46" RT
STA. 12622+06 PI – P.O.T.

STA. 12628+67 POWERLINE, CLEARANCE 25 FT.

STA. 12630+83 PI – P.O.T.
STA. 12631+13 TOE BANK
STA. 12631+22 TOP BANK
STA. 12631+39 ROAD EDGE
STA. 12631+37 PAVED, WHITTAKER RD
STA. 12631+46 POWERLINE, CLEARANCE 15 FT.
STA. 12631+48 ROAD EDGE
STA. 12631+52 TOP BANK
STA. 12631+61 TOE BANK

STA. 12633+44 PI – 79°2'011" LT
STA. 12635+64 PI – P.O.T.

STA. 12644+32 TOE BANK
STA. 12644+40 TOP BANK
STA. 12644+40 ROAD EDGE
STA. 12644+52 PAVED, WILLIS RD CENTERLINE
STA. 12644+52 ROAD EDGE
STA. 12644+67 TOP BANK
STA. 12644+73 TOE BANK
STA. 12644+77 POWERLINE, CLEARANCE 15 FT.
STA. 12644+83 UNDERGROUND WATER

STA. 12645+17 PI – 11°11'29" RT

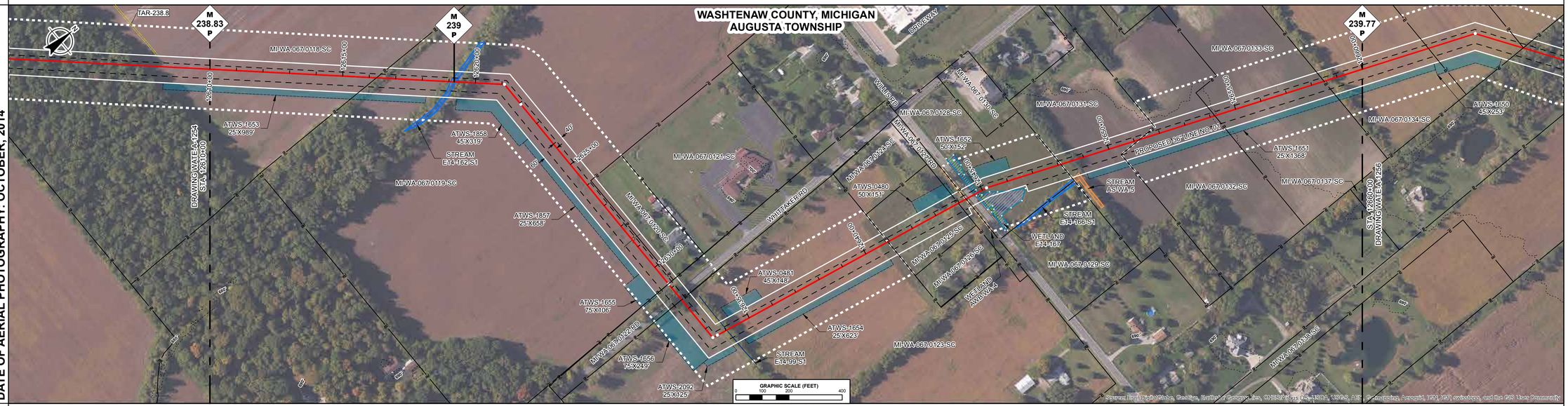
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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. 12618+79 STREAM WEST BRANCH PAINT CREEK E14-162-S1 ENTER
STA. 12619+44 STREAM WEST BRANCH PAINT CREEK E14-162-S1 EXIT

STA. 12634+04 CENTERLINE OF STREAM E14-99-S1 TRIB TO BIRD DRAIN

STA. 12644+14 WETLAND AWB-WA-4 ENTER
STA. 12644+46 WETLAND AWB-WA-4 EXIT
STA. 12644+91 WETLAND E14-167 ENTER
STA. 12645+89 WETLAND E14-167 EXIT

STA. 12648+49 STREAM BIRD DRAIN AS-WA-5 ENTER
STA. 12649+63 STREAM BIRD DRAIN AS-WA-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

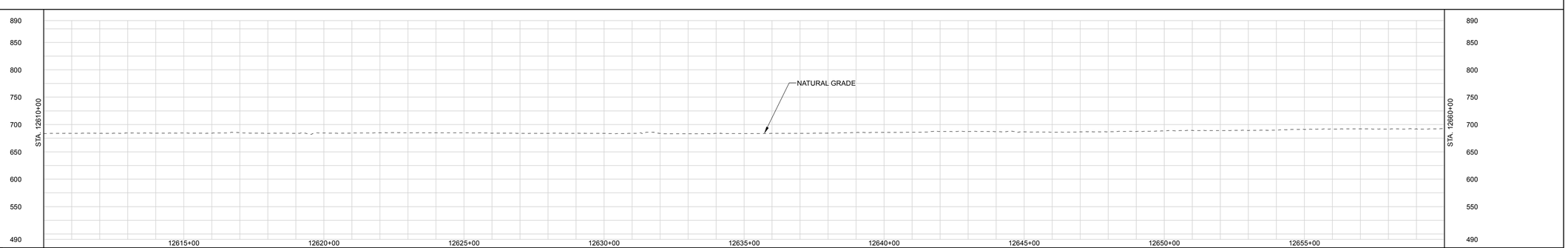
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\265K_GST\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 255-of-266.tpf PLOT TIME: 2015-04-22 16:09:47

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		REVISIONS			
		A			ISSUED FOR FERC

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. 238.83 to M.P. 239.77
STA. 12610+00 to STA. 12660+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1255	REV. A

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12660+00	MI-WA-067.0134-SC	12662+60	MI-WA-067.0135-SC	12666+34	MI-WA-067.0137-SC	12668+81	MI-WA-067.0138-SC	12674+21	MI-WA-067.0139-SC	12678+23	MI-WA-235.0000-SC	12695+60	MI-WA-235.0100-SC	12710+00
	260 FT.		374 FT.		347 FT.		440 FT.		402 FT.		1757 FT.		1420 FT.	
	15.8 RODS		22.7 RODS		21.0 RODS		26.7 RODS		24.4 RODS		106.5 RODS		86.1 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12664+45 PI – 34°11'40" RT

STA. 12689+09 PI – 31°34'48" RT

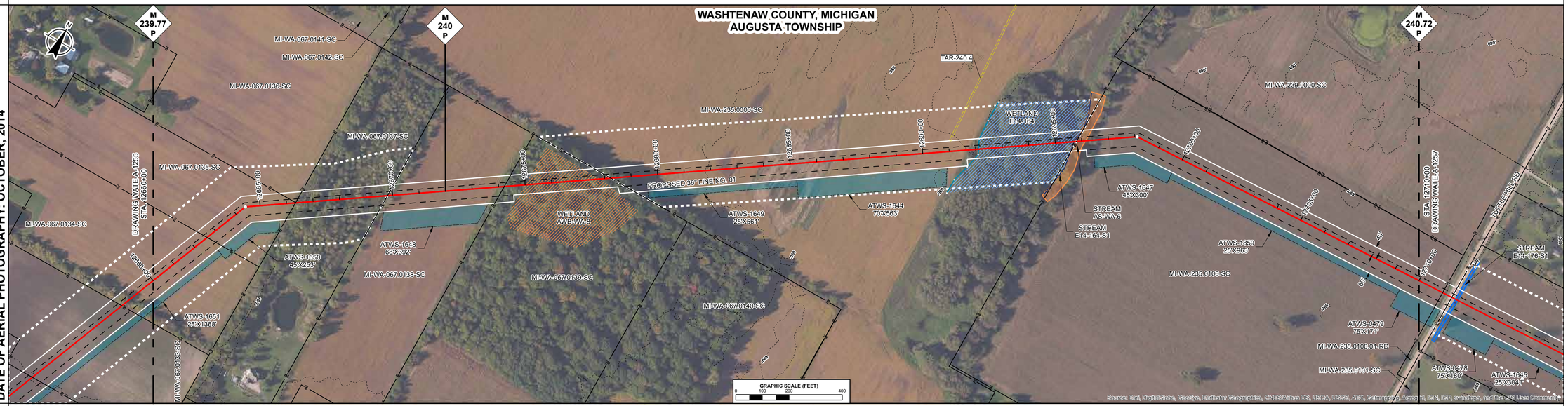
CLASS LOCATION

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. 12674+76 WETLAND AWB-WA-8 ENTER

STA. 12678+24 WETLAND AWB-WA-8 EXIT

STA. 12691+93 WETLAND E14-164 ENTER

STA. 12695+56 STREAM PAINT CREEK AS-WA-6 ENTER
STA. 12695+71 CENTERLINE OF STREAM E14-164-S1 PAINT CREEK
STA. 12695+98 WETLAND E14-164 EXIT
STA. 12696+41 STREAM PAINT CREEK AS-WA-6 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

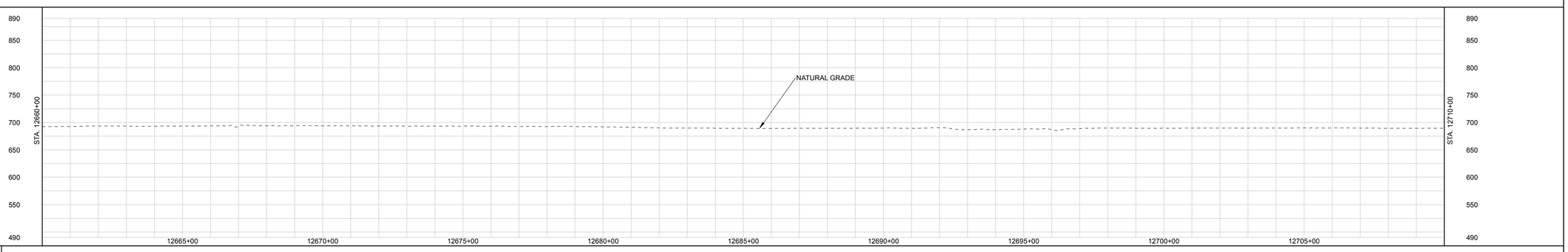
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		A			ISSUED FOR FERC
		REVISIONS			

ITEM NO.	DESCRIPTION	LN. FT.
MATERIALS		

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 239.77 to M.P. 240.72
STA. 12660+00 to STA. 12710+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1256	REV. A

P:\205_UPSTREAM_PIPELINE\205K GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 256.rt\266.rt.pdf PLOT TIME: 2015-04-22 16:15:13

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12710+00 | MI-WA-235.0100-SC | 99 FT. | 6.0 RODS | 12710+99 | MI-WA-235.0100.01-RD | 39 FT. | 2.4 RODS | 12711+38

MI-WA-260.0000-SC | 3006 FT. | 182.2 RODS

12741+44 | MI-WA-269.0000-SC | 856 FT. | 51.9 RODS | 12750+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12711+18 TOE BANK
STA. 12711+22 TOP BANK
STA. 12711+27 ROAD EDGE
STA. 12711+37 GRAVEL
TUTTLE HILL RD
CENTERLINE
STA. 12711+48 ROAD EDGE
STA. 12711+52 TOP BANK
STA. 12711+58 TOE BANK

STA. 12725+38 PI – 36°48'15" LT

STA. 12744+31 TOP BANK
STA. 12744+41 TOP BANK
10 FT. CENTERLINE
STA. 12744+59 TOP BANK

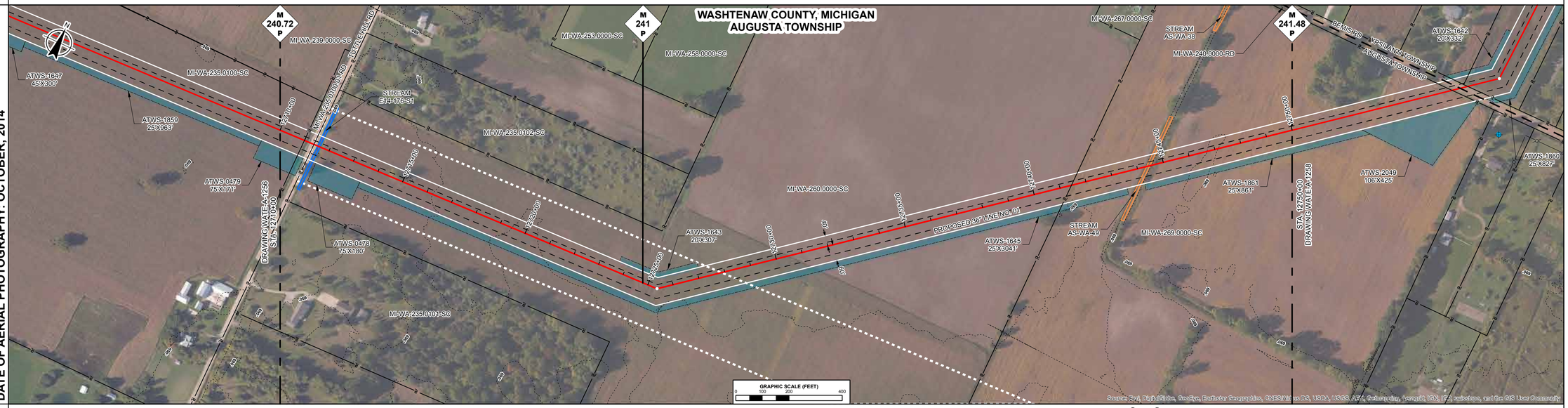
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (◇ 0.0 P)
- 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. 12711+68 STREAM TRIB TO PAINT CREEK E14-176-S1 ENTER
STA. 12711+95 STREAM TRIB TO PAINT CREEK E14-176-S1 EXIT

STA. 12743+96 STREAM TRIB TO BRADSHAW DRAIN AS-WA-49 ENTER
STA. 12744+80 STREAM TRIB TO BRADSHAW DRAIN AS-WA-49 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 ▲

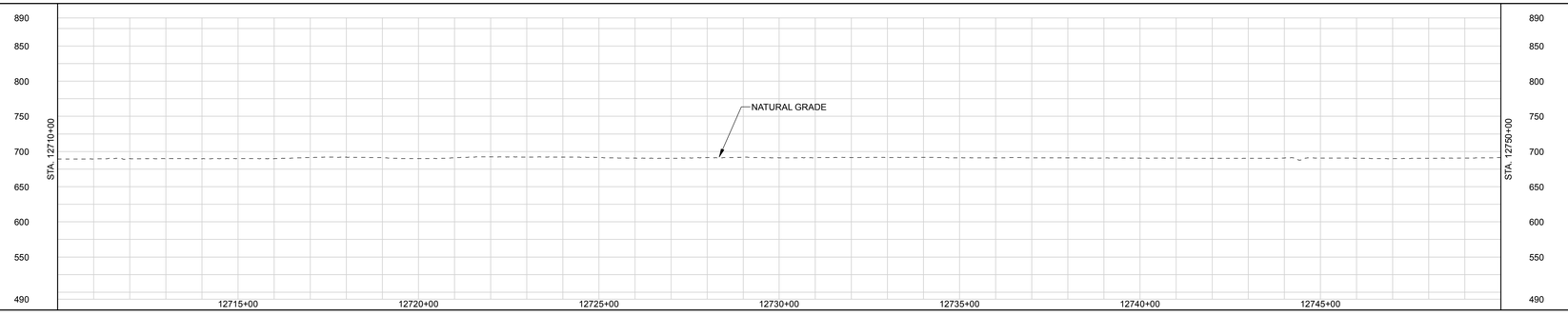
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\299K GIS\ToBeRuun NEXUS PROPOSED MAINLINE PIPELINE 251 of 266.pdf PLOT TIME: 2015-04-22 16:20:45

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. 240.72 to M.P. 241.48
STA. 12710+00 to STA. 12750+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1257 | REV. A

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12750+00	MI-WA-269.0000-SC 620 FT. 37.6 RODS	12756+20	MI-WA-240.0000-RD 61 FT. 3.7 RODS	12756+81	MI-WA-273.0100-SC 1330 FT. 80.6 RODS	12770+11	MI-WA-279.0000-SC 209 FT. 12.7 RODS	12772+20	MI-WA-273.0102-SC 208 FT. 12.6 RODS	12774+28	MI-WA-273.0103-SC 415 FT. 25.2 RODS	12778+43	MI-WA-273.0105-SC 198 FT. 12.0 RODS	12780+41	MI-WA-273.0106-SC 528 FT. 32.0 RODS	12785+69	MI-WA-273.0118-SC 154 FT. 9.3 RODS	12787+23	MI-WA-273.0119-SC 178 FT. 10.8 RODS	12789+01	MI-WA-273.0120-SC 196 FT. 11.9 RODS	12790+97	MI-WA-273.0122-SC 94 FT. 5.7 RODS	12791+91	MI-WA-273.0123-SC 33 FT. 2.0 RODS	12792+24	MI-WA-273.0120-SC 206 FT. 12.5 RODS	12794+30	MI-WA-273.0129-SC 570 FT. 34.5 RODS	12800+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12756+37 ROAD EDGE
STA. 12756+51 MUNICIPALITY LINE
STA. 12756+62 DIRT, BEMIS RD
STA. 12756+68 ROAD EDGE
STA. 12757+50 WATER WELL, 204 FT. RIGHT
STA. 12758+03 PI – 45°36'16" LT

STA. 12767+03 PI – 50°31'01" RT

STA. 12781+81 PI – 36°29'41" RT

STA. 12785+74 BUNTON RD (SCALED) CENTERLINE
STA. 12785+99 FENCE
STA. 12786+56 PI – 67°50'52" LT

STA. 12791+56 POWERLINE, CLEARANCE 15 FT.

STA. 12793+95 FENCE
STA. 12794+03 UTILITY LINE - WATER (SCALED)
STA. 12794+19 ROAD EDGE
STA. 12794+27 AWE-WA-47 ENTER
STA. 12794+34 ROAD EDGE
STA. 12794+41 TOP BANK
STA. 12794+50 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12795+42 AWE-WA-47 EXIT
STA. 12795+60 POWERLINE, CLEARANCE 22 FT.

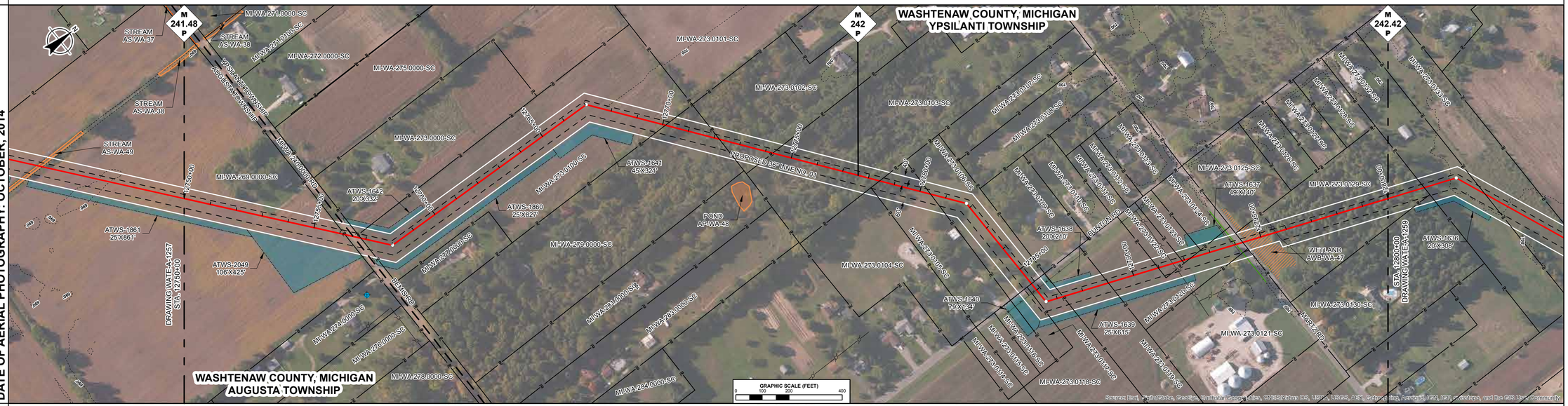
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12794+27 WETLAND AWB-WA-47 ENTER
STA. 12795+42 WETLAND AWB-WA-47 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

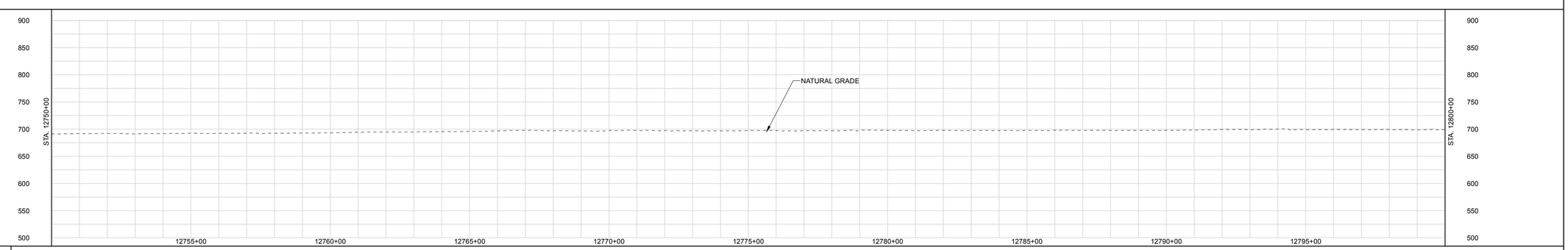
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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			

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 241.48 to M.P. 242.42
STA. 12750+00 to STA. 12800+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1258	REV. A

P:\265_UPSTREAM_PIPELINE\299K GIS\ToBeSaved\ NEXUS PROPOSED MAINLINE PIPELINE 258.mxd 266.pdf PLOT TIME: 2015-04-22 16:24:44

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12800+00	MI-WA-273.0129-SC	12801+43	MI-WA-273.0132-SC	12803+93	MI-WA-273.0133-SC	12808+20	MI-WA-273.0134-SC	12809+75	MI-WA-273.0135-SC	12811+51	MI-WA-273.0136-SC	12813+35	MI-WA-273.0137-SC	12814+95	MI-WA-273.0138-SC	12816+65	MI-WA-273.0140-SC	12822+95	MI-WA-273.0141-SC	12823+52	MI-WA-331.0000-SC	12832+23	MI-WA-338.0000-SC	12834+35	MI-WA-333.0000-SC	12835+64	MI-WA-341.0000-SC	12836+94	MI-WA-340.0000-SC	12839+78	MI-WA-344.0000-SC	12840+00
	143 FT. 8.7 RODS		250 FT. 15.2 RODS		427 FT. 25.9 RODS		155 FT. 9.4 RODS		176 FT. 10.7 RODS		184 FT. 11.2 RODS		160 FT. 9.7 RODS		170 FT. 10.3 RODS		630 FT. 38.2 RODS		57 FT. 3.5 RODS		871 FT. 52.8 RODS		212 FT. 12.8 RODS		129 FT. 7.8 RODS		330 FT. 20.0 RODS		84 FT. 5.1 RODS		22 FT. 1.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12801+26 TOP BANK
STA. 12801+33 DITCH, DEPTH 0 FT, CENTERLINE
STA. 12801+38 TOP BANK
STA. 12802+58 PI – 45°51'40" RT

STA. 12815+30 OIL PL

STA. 12816+87 PI – 21°51'09" RT

STA. 12818+02 TOWER, 117 FT. LEFT

STA. 12819+76 POWERLINE, CLEARANCE 57 FT.
STA. 12820+08 POWERLINE, CLEARANCE 55 FT.

STA. 12822+75 PI – 29°15'42" RT

STA. 12822+98 UNDERGROUND SAN SEWER
STA. 12823+37 ROAD EDGE
STA. 12823+51 RD, MCKEAN RD CENTERLINE
STA. 12823+65 ROAD EDGE
STA. 12823+98 OIL PL
STA. 12824+25 UNDERGROUND SAN SEWER
STA. 12824+63 POWERLINE, CLEARANCE 55 FT.
STA. 12824+80 TOWER, 155 FT. RIGHT

STA. 12824+80 PI – 29°24'28" LT

STA. 12830+50 PI – 28°18'52" LT

STA. 12831+31 OIL PL

STA. 12832+25 FENCE

STA. 12833+77 BUILDING, 21 FT. LEFT

STA. 12835+61 PI – 55°58'46" LT

STA. 12835+64 FENCE

CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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
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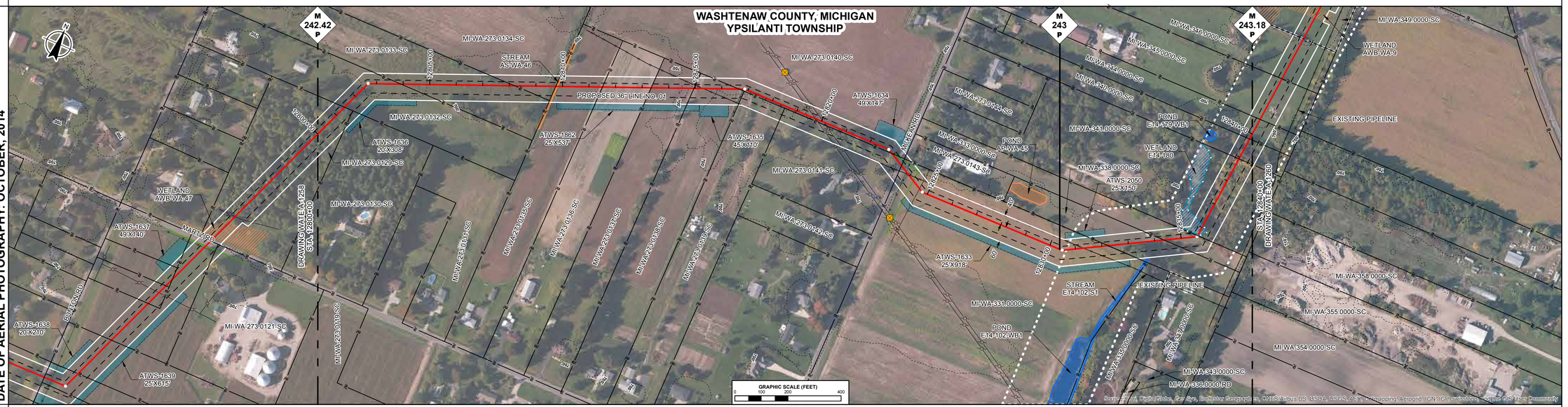
- APPROXIMATE WATERBODY BANK
- APPROXIMATE WATERBODY CENTERLINE
- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
- PARCEL TRACT NO (OH-CO-011.0000-SC)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12809+89 STREAM TRIB TO NORTH BRANCH SWAN CREEK AS-WA-46 ENTER
STA. 12809+98 STREAM TRIB TO NORTH BRANCH SWAN CREEK AS-WA-46 EXIT

STA. 12835+14 WETLAND E14-180 ENTER
STA. 12836+23 WETLAND E14-180 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 ▲

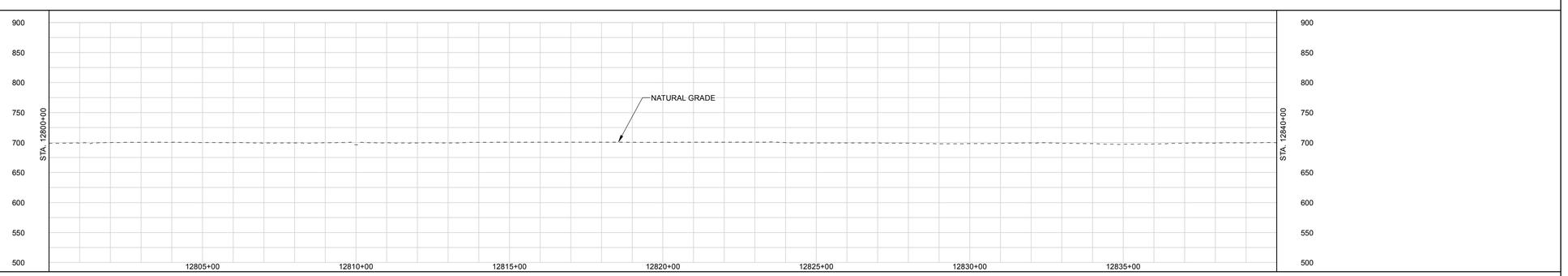
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\299K_OS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 299 sf 266.pdf - PLOT TIME: 2015-04-22 18:46:05

DWG. NO. | DESCRIPTION | REV | DSN | CK | DESCRIPTION | ITEM NO. | DESCRIPTION | LN. FT.

REFERENCE DRAWINGS

REVISIONS

A | | | ISSUED FOR FERC

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. 242.42 to M.P. 243.18
STA. 12800+00 to STA. 12840+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1259 | REV. A

RIGHT-OF-WAY

TRACT NUMBERS

12840+00	MI-WA-344.0000-SC	12840+62	MI-WA-345.0000-SC	12842+36	MI-WA-346.0000-SC	12844+07	MI-WA-349.0000-SC	12847+19	MI-WA-357.0000-SC	12853+92	MI-WA-353.0000-SC	12877+99	MI-WA-366.0000-SC	12890+00
	62 FT. 3.8 RODS		174 FT. 10.5 RODS		171 FT. 10.4 RODS		312 FT. 18.9 RODS		673 FT. 40.8 RODS		2407 FT. 145.9 RODS		1201 FT. 72.8 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12851+12 PI – 45°12'17" LT

STA. 12869+77 PI – 41°51'32" RT

STA. 12871+33 FENCE

STA. 12877-07' FENCE
STA. 12878+03 RAILROAD CENTERLINE
STA. 12878+11 GRAVEL ROAD EDGE
STA. 12878+11 GRAVEL, NONE CENTERLINE
STA. 12878+39 GRAVEL ROAD EDGE
STA. 12878+39 POWERLINE. CLEARANCE 25 FT.

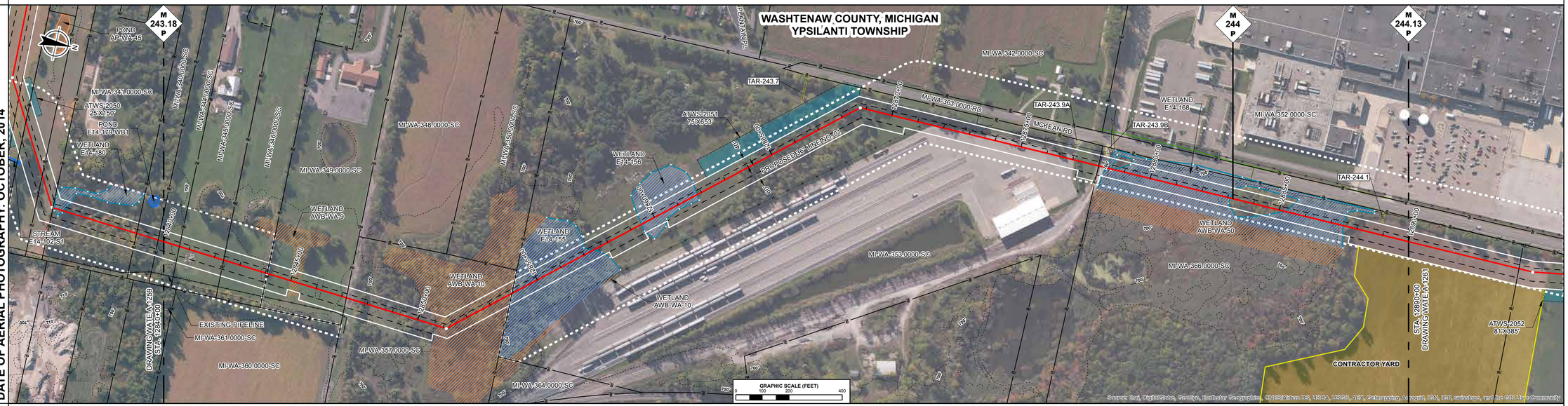
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE — FIRE HYDRANT
- WELL: GAS WATER OIL OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12844+91 WETLAND AWB-WA-9 ENTER
STA. 12845+45 WETLAND AWB-WA-9 EXIT
STA. 12850+46 WETLAND AWB-WA-10 ENTER
STA. 12853+62 WETLAND E14-155 ENTER
STA. 12854+45 WETLAND AWB-WA-10 EXIT
STA. 12857+70 WETLAND E14-155 EXIT
STA. 12859+42 WETLAND E14-156 ENTER
STA. 12861+89 WETLAND E14-156 EXIT
STA. 12878+22 WETLAND E14-168 ENTER
STA. 12883+20 WETLAND E14-168 EXIT
STA. 12884+39 WETLAND E14-168 ENTER
STA. 12887+54 WETLAND E14-168 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

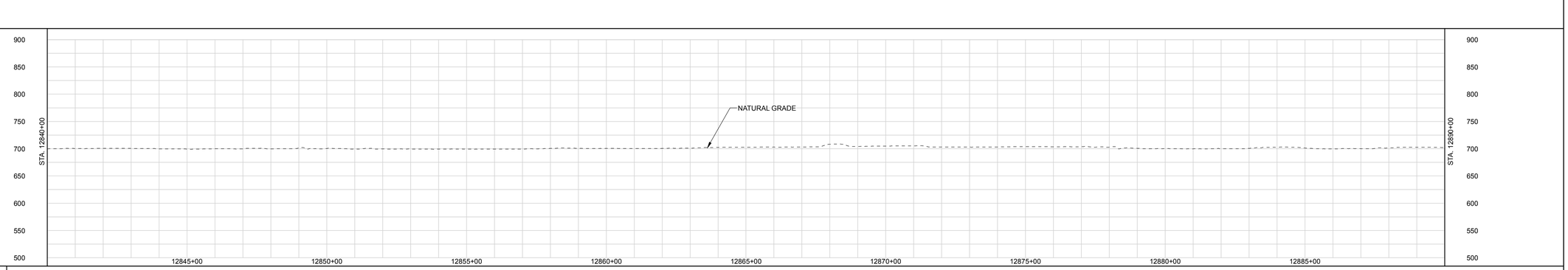
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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.

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

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 243.18 to M.P. 244.13
STA. 12840+00 to STA. 12890+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1260	REV. A

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IG.#

RIGHT-OF-WAY

TRACT NUMBERS

12890+00 — MI-WA-366.0000-SC — 427 FT. — 25.9 RODS — 12894+27

MI-WA-372.0000-SC — 973 FT. — 59.0 RODS

12904+00 — MI-WA-369.0000-RD — 77 FT. — 4.7 RODS — 12904+77

MI-WA-385.0000-SC — 294 FT. — 17.8 RODS — 12907+71

MI-WA-446.0000-SC — 3021 FT. — 183.1 RODS

12937+92 — MI-WA-395.0000-SC — 208 FT. — 12.6 RODS — 12940+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12894+80 PI – 09°5'05" LT
STA. 12896+92 PI – 09°23'33" RT
STA. 12897+12 DRIVEWAY EDGE
STA. 12897+31 DRIVEWAY CENTERLINE
STA. 12898+49 DRIVEWAY EDGE
STA. 12898+67 TOP BANK
STA. 12899+62 FENCE
STA. 12901+34 BUILDING, 92 FT. RIGHT
STA. 12902+28 TOP BANK
STA. 12903+88 FENCE
STA. 12903+88 UNDERGROUND WATER
STA. 12904+01 TOE BANK
STA. 12904+08 TOP BANK
STA. 12904+14 GAS PL.
STA. 12904+20 ROAD EDGE
STA. 12904+47 TOE BANK (SCALED) CENTERLINE
STA. 12904+56 ROAD EDGE
STA. 12904+71 POWERLINE, CLEARANCE 25 FT.
STA. 12904+86 FENCE
STA. 12904+98 GAS PL.
STA. 12912+66 PI – 45°08'58" RT
STA. 12920+71 PI – 55°17'13" LT
STA. 12922+36 SEWER
STA. 12923+63 TRAIL (LIDAR) EDGE
STA. 12923+72 TRAIL (LIDAR) EDGE
STA. 12924+22 POWERLINE, CLEARANCE 15 FT.
STA. 12927+40 PI – 70°48'21" LT
STA. 12927+40 HDD ENTRY
STA. 12936+45 TOP BANK
STA. 12936+52 UNKNOWN (LIDAR) EDGE
STA. 12939+58 UNKNOWN (LIDAR) EDGE
STA. 12939+62 TOP BANK

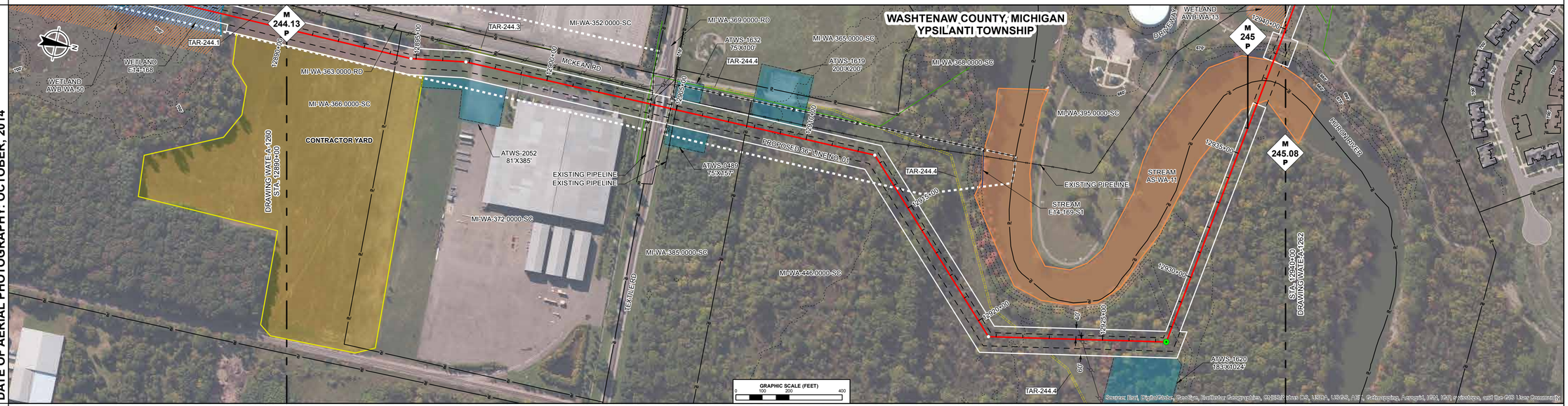
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12936+85 STREAM HURON RIVER AS-WA-11 ENTER
STA. 12936+85 STREAM HURON RIVER AS-WA-11 EXIT
STA. 12939+90 WETLAND AWB-WA-13 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 (F)
SLOPE BREAKERS
TRENCH PLUG

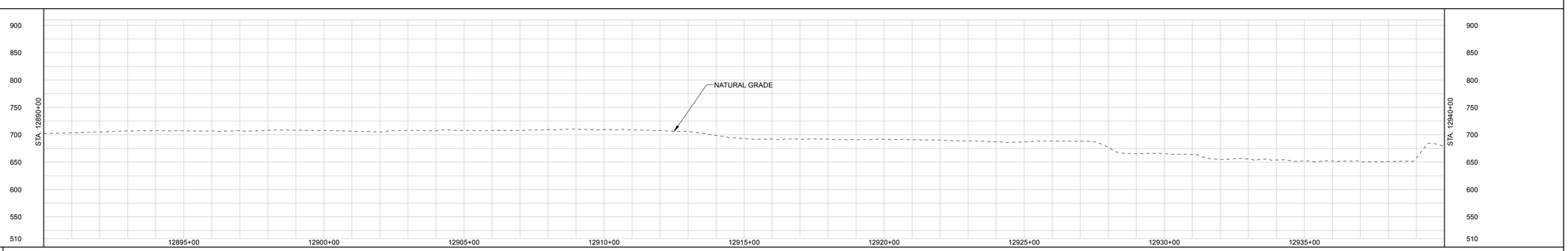
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\265_UPSTREAM_PIPELINE\299K_GIS\TurboRouter NEXUS PROPOSED MAINLINE PIPELINE 261 of 266.pdf PLOT TIME: 2015-04-22 18:53:45

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. 244.13 to M.P. 245.08
STA. 12890+00 to STA. 12940+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1261 | REV. A

RIGHT-OF-WAY

TRACT NUMBERS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

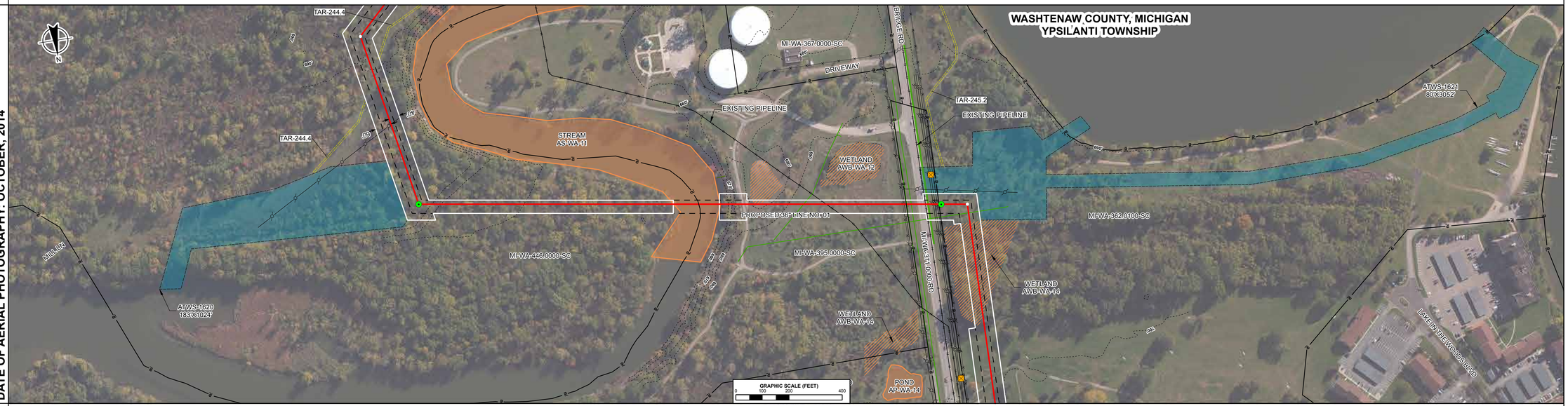
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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 (W)
- RAILROAD TRACK
- TELEPHONE (T)
- 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.
REFERENCE DRAWINGS		A			ISSUED FOR FERC	REVISIONS		MATERIALS

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 244.13 to M.P. 245.08
STA. 12934+93 to STA. 12947+49
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1261-A	REV. A

IG.#

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RIGHT-OF-WAY

TRACT NUMBERS

STA.	Tract	Length	Rods
12940+00	MI-WA-395.0000-SC	573 FT.	34.7 RODS
12945+73	MI-WA-371.0000-RD	123 FT.	7.5 RODS
12946+96	MI-WA-362.0100-SC	1622 FT.	98.3 RODS
12963+18	MI-WA-400.0000-RD	117 FT.	7.1 RODS
12964+35	MI-WA-412.0000-SC	1203 FT.	72.9 RODS
12976+38	MI-WA-436.0000.01-RD	111 FT.	6.7 RODS
12977+49	MI-WA-443.0000-RD	352 FT.	21.3 RODS
12981+01	MI-WA-494.0000-SC	899 FT.	54.5 RODS
12990+00			

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12940+03 TOE BANK
STA. 12940+70 TOE BANK
STA. 12941+50 TOP BANK
STA. 12941+81 UNDERGROUND WATER
STA. 12942+72 GAS PL
STA. 12944+60 FENCE
STA. 12945+66 POWERLINE, CLEARANCE 14 FT.
STA. 12945+75 UNDERGROUND POWER
STA. 12945+92 UNDERGROUND WATER
STA. 12946+20 ROAD EDGE
STA. 12946+32 PAVED, BRIDGE RD CENTERLINE
STA. 12946+43 ROAD EDGE
STA. 12946+46 GAS PL
STA. 12946+63 UNDERGROUND POWER
STA. 12946+87 UNDERGROUND TELEPHONE
STA. 12946+66 TOWER, 111 FT. LEFT
STA. 12946+75 POWERLINE, CLEARANCE 51 FT.
STA. 12946+82 POWERLINE, CLEARANCE 100 FT.
STA. 12946+80 POWERLINE, CLEARANCE 51 FT.
STA. 12946+96 FENCE
STA. 12947+00 HDD EXIT
STA. 12948+03 PI = 82°01'48" RT
STA. 12948+19 ROAD EDGE
STA. 12948+25 ROCK, NONE CENTERLINE
STA. 12948+30 ROAD EDGE
STA. 12948+36 UNDERGROUND SAN SEWER
STA. 12953+15 TOE BANK
STA. 12953+40 TOP BANK
STA. 12954+19 TOP BANK
STA. 12954+37 TOE BANK
STA. 12956+49 TOWER, 114 FT. RIGHT
STA. 12962+39 PI = 51°41'39" RT
STA. 12962+63 TOE BANK
STA. 12962+81 TOP BANK
STA. 12963+00 TOP BANK
STA. 12963+08 TOWER, 86 FT. RIGHT
STA. 12963+08 TOE BANK
STA. 12963+14 FENCE
STA. 12963+37 SEWER
STA. 12963+44 ROAD EDGE
STA. 12963+72 POWERLINE, CLEARANCE 40 FT.
STA. 12963+80 PAVED, GROVE RD CENTERLINE
STA. 12963+92 POWERLINE, CLEARANCE 40 FT.
STA. 12964+13 ROAD EDGE
STA. 12964+29 UNDERGROUND TELEPHONE
STA. 12964+29 GAS PL
STA. 12964+97 UNDERGROUND WATER
STA. 12965+11 PI = 52°21'21" LT
STA. 12966+35 VALVE FENCE
STA. 12966+67 MLV-20
STA. 12966+85 VALVE FENCE
STA. 12967+73 HDD ENTRY
STA. 12968+33 TOWER, 78 FT. LEFT
STA. 12972+84 TOWER, 76 FT. LEFT
STA. 12976+28 POWERLINE, CLEARANCE 20 FT.
STA. 12976+32 UNDERGROUND POWER
STA. 12976+38 TOE BANK
STA. 12976+47 TOP BANK
STA. 12976+57 ROAD EDGE
STA. 12976+69 PAVED, LAKE VIEW AVE CENTERLINE
STA. 12976+79 ROAD EDGE
STA. 12976+97 DITCH, DEPTH 0 FT. CENTERLINE
STA. 12977+04 TOP BANK
STA. 12977+15 TOE BANK
STA. 12977+28 TOWER, 75 FT. LEFT
STA. 12977+43 TOE BANK
STA. 12977+59 TOP BANK
STA. 12977+73 ROAD EDGE
STA. 12977+84 WILLOW RUN FWY N (SCALED) CENTERLINE
STA. 12977+96 ROAD EDGE
STA. 12978+11 TOE BANK
STA. 12978+30 TOP BANK
STA. 12978+44 ROAD EDGE
STA. 12978+57 I 94 E (SCALED) CENTERLINE
STA. 12978+82 ROAD EDGE
STA. 12978+93 TOP BANK
STA. 12979+11 TOE BANK
STA. 12979+30 TOP BANK
STA. 12979+43 ROAD EDGE
STA. 12979+4 I 94 W (SCALED) CENTERLINE
STA. 12979+85 ROAD EDGE
STA. 12980+07 TOE BANK
STA. 12980+19 TOP BANK
STA. 12980+24 ROAD EDGE
STA. 12980+39 WILLOW RUN FWY N (SCALED) CENTERLINE
STA. 12980+50 ROAD EDGE
STA. 12980+65 TOP BANK
STA. 12980+77 DITCH, DEPTH 0 FT. CENTERLINE
STA. 12980+88 TOP BANK
STA. 12980+98 FENCE
STA. 12981+84 TOWER, 74 FT. LEFT
STA. 12983+74 HDD EXIT
STA. 12985+90 TOP BANK
STA. 12986+00 DITCH, DEPTH 0 FT. CENTERLINE
STA. 12986+10 TOP BANK
STA. 12986+34 TOWER, 72 FT. LEFT
STA. 12986+58 POWERLINE, CLEARANCE 15 FT.
STA. 12987+08 UNDERGROUND WATER

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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- PERMANENT ACCESS ROAD (PAR-0.0)
- TEMPORARY ACCESS ROAD (TAR-0.0)
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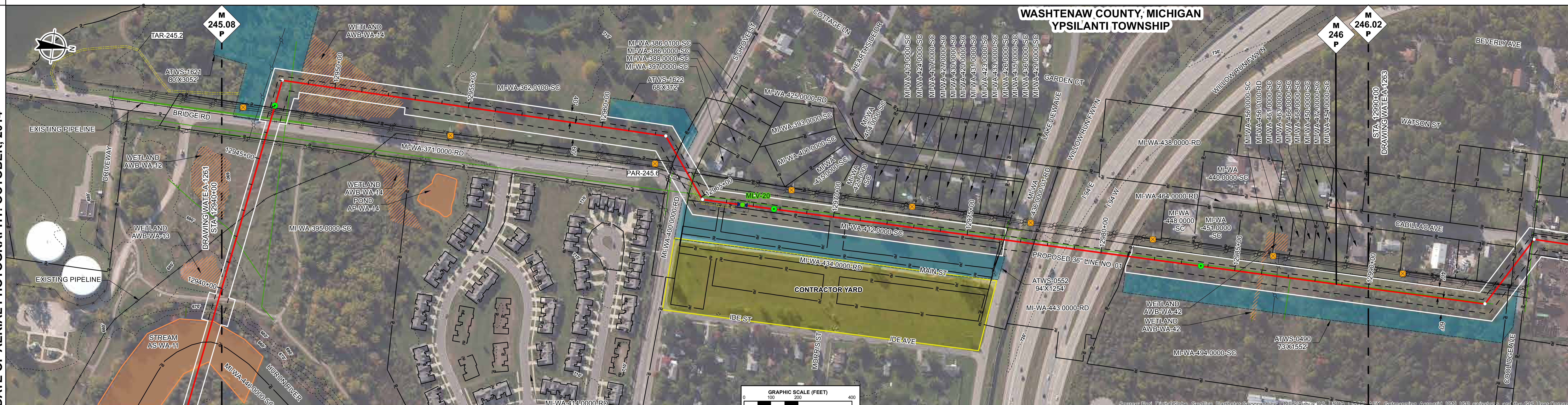
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE / FIRE HYDRANT
- WELL: GAS / WATER / OIL / OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 12940+40 WETLAND AWB-WA-13 EXIT
STA. 12948+71 WETLAND AWB-WA-14 ENTER
STA. 12948+71 WETLAND AWB-WA-14 ENTER
STA. 12948+74 WETLAND AWB-WA-14 EXIT
STA. 12952+64 WETLAND AWB-WA-14 EXIT
STA. 12985+81 WETLAND AWB-WA-42 ENTER
STA. 12986+08 WETLAND AWB-WA-42 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

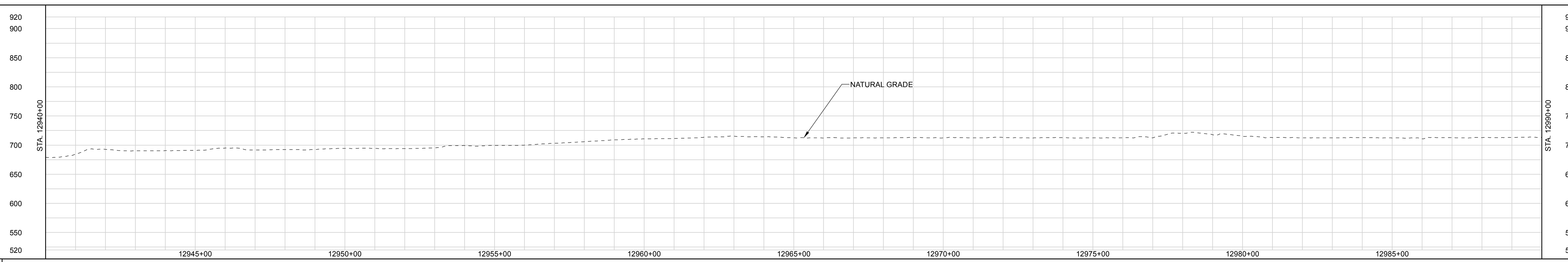
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 262 of 266.pdf - PLOT TIME: 2015-04-22 15:59:28

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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 245.08 to M.P. 246.02
STA. 12940+00 to STA. 12990+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1262	REV. A

IG #

RIGHT-OF-WAY

TRACT NUMBERS

Station	Tract	Length	Rods
12990+00	MI-WA-494.0000-SC	525 FT.	31.8 RODS
12995+25	MI-WA-505.0000-SC	84 FT.	5.1 RODS
12996+09	MI-WA-520.0000-RD	113 FT.	6.8 RODS
12997+22	MI-WA-520.0100-RD	431 FT.	26.1 RODS
13001+54	MI-WA-517.0000-SC	87 FT.	5.3 RODS
13002+41	MI-WA-522.0000-SC	99 FT.	6.0 RODS
13003+40	MI-WA-524.0000-SC	50 FT.	3.0 RODS
13003+90	MI-WA-528.0000-SC	42 FT.	2.5 RODS
13004+32	MI-WA-518.0000-SC	45 FT.	2.7 RODS
13004+76	MI-WA-518.0100-RD	23 FT.	1.4 RODS
13004+99	MI-WA-527.0000-SC	131 FT.	7.9 RODS
13006+31	MI-WA-523.0000-RD	100 FT.	6.1 RODS
13007+31	MI-WA-531.0000-RD	64 FT.	3.9 RODS
13007+95	MI-WA-529.0000-SC	582 FT.	35.3 RODS
13014+35	MI-WA-513.0000-SC	40 FT.	2.4 RODS
13014+75	MI-WA-561.0000-RD	116 FT.	7.0 RODS
13015+91	MI-WA-521.0000-SC	111 FT.	6.7 RODS
13017+02	MI-WA-526.0000-RD	69 FT.	4.2 RODS
13017+71	MI-WA-542.0000-SC	3 FT.	0.2 RODS
13017+74	MI-WA-543.0100-SC	240 FT.	14.5 RODS
13020+14	MI-WA-543.0000-SC	1419 FT.	86.0 RODS
13034+33	MI-WA-551.0000-RD	73 FT.	4.4 RODS
13035+06	MI-WA-551.0100-SC	494 FT.	29.9 RODS
13040+00			

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 12990+88 TOP BANK
STA. 12991+19 TOWER, 71 FT. LEFT
STA. 12994+35 PI ~ 60°17'49" LT
STA. 12994+38 TOP BANK
STA. 12994+40 UNDERGROUND WATER
STA. 12994+83 GAS PL
STA. 12995+06 POWERLINE, CLEARANCE 40 FT.
STA. 12995+16 POWERLINE, CLEARANCE 100 FT.
STA. 12995+27 POWERLINE, CLEARANCE 40 FT.
STA. 12995+30 POWERLINE, CLEARANCE 10 FT.
STA. 12995+31 FENCE
STA. 12995+38 BUILDING, 75 FT. LEFT
STA. 12996+19 FENCE
STA. 12996+26 TOP BANK
STA. 12996+37 DITCH, DEPTH 0 FT. CENTERLINE
STA. 12996+49 TOP BANK
STA. 12996+51 ROAD EDGE
STA. 12996+74 PAVED, COOLIDGE RD CENTERLINE
STA. 12996+96 ROAD EDGE
STA. 12997+17 POWERLINE, CLEARANCE 16 FT.
STA. 12997+28 UNDERGROUND FIBER
STA. 12997+36 PI ~ 61°08'22" RT
STA. 12998+14 BUILDING, 36 FT. LEFT
STA. 12999+08 BUILDING, 47 FT. LEFT
STA. 13001+01 PI ~ 34°11'59" LT
STA. 13006+51 ROAD EDGE
STA. 13006+65 SEWER
STA. 13006+71 PAVED, STATE ST CENTERLINE
STA. 13006+99 SEWER
STA. 13007+07 UNDERGROUND TELEPHONE
STA. 13007+12 POWERLINE, CLEARANCE 20 FT.
STA. 13007+49 PAVED, WATSON AVE CENTERLINE
STA. 13007+61 SEWER
STA. 13007+81 ROAD EDGE
STA. 13007+93 UNDERGROUND TELEPHONE
STA. 13014+33 POWERLINE, CLEARANCE 25 FT.
STA. 13014+75 FENCE
STA. 13014+96 GAS PL
STA. 13015+06 TOE BANK
STA. 13015+24 TOP BANK
STA. 13015+35 ROAD EDGE
STA. 13015+54 WILLOW RUN FWY N (SCALED) CENTERLINE
STA. 13015+73 ROAD EDGE
STA. 13015+80 TOP BANK
STA. 13016+05 TOE BANK
STA. 13016+69 PI ~ 28°05'29" RT
STA. 13016+92 TOE BANK
STA. 13017+11 TOP BANK
STA. 13017+16 ROAD EDGE
STA. 13017+28 CONNECTING ROAD (SCALED) CENTERLINE
STA. 13017+39 ROAD EDGE
STA. 13020+88 PI ~ 05°10'53" RT
STA. 13034+33 POWERLINE, CLEARANCE 25 FT.
STA. 13034+43 ROAD EDGE
STA. 13034+70 PAVED, TYLER RD CENTERLINE
STA. 13034+93 ROAD EDGE
STA. 13034+98 UNDERGROUND POWER
STA. 13035+15 SEWER

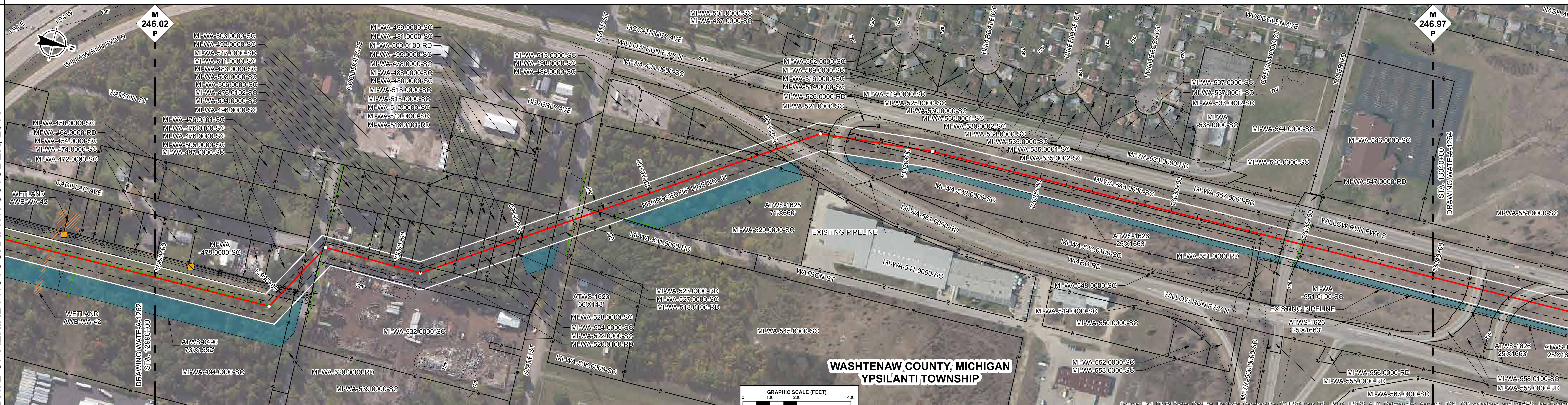
CLASS LOCATION

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

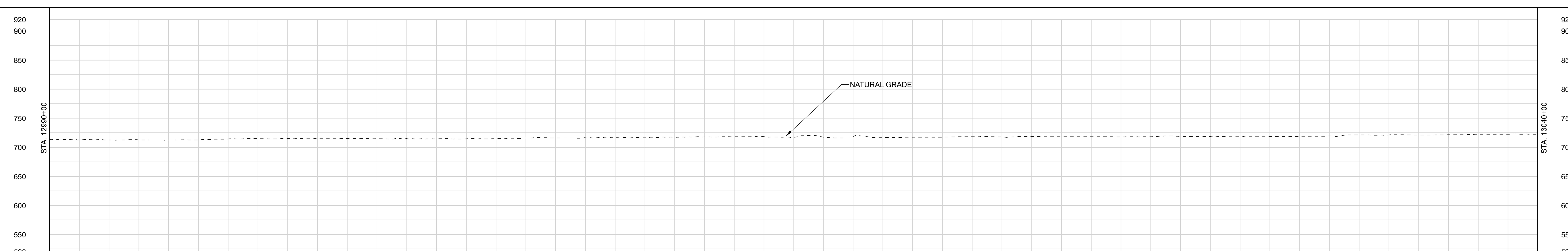
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

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.

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 246.02 to M.P. 246.97
STA. 12990+00 to STA. 13040+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

22-Apr-2015 | W.B.S. | Scale 1" = 200' | WATE-A-1263 | REV. A

NEXUS GAS TRANSMISSION

IG #

RIGHT-OF-WAY

TRACT NUMBERS

13040+00	MI-WA-551.0100-SC	13041+34	MI-WA-558.0000-RD	13041+91	MI-WA-558.0100-SC	13042+94	MI-WA-559.0000-RD	13043+70	MI-WA-559.0100-SC
	134 FT. 8.1 RODS		57 FT. 3.5 RODS		103 FT. 6.2 RODS		76 FT. 4.6 RODS		1201 FT. 72.8 RODS

13055+71	MI-WA-565.0000-RD	13056+76	MI-WA-565.0100-SC
	105 FT. 6.4 RODS		1565 FT. 94.8 RODS

13072+41	MI-WA-568.0000-RD	13073+70	MI-WA-568.0100-SC	13077+00	MI-WA-574.0000-RD	13079+11	MI-WA-574.0100-SC	13085+76	MI-WA-569.0000-RD	13086+36	MI-WA-574.0200-SC	13090+00
	129 FT. 7.8 RODS		330 FT. 20.0 RODS		211 FT. 12.8 RODS		665 FT. 40.3 RODS		60 FT. 3.6 RODS		364 FT. 22.1 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 13041+08 ROAD EDGE
STA. 13041+61 RAMP
(SCALED) CENTERLINE
STA. 13041+78 ROAD EDGE
STA. 13042+64 TOE BANK
STA. 13042+84 TOE BANK
STA. 13043+08 ROAD EDGE
STA. 13043+26 CONNECTING ROAD (SCALED) CENTERLINE
STA. 13043+48 ROAD EDGE

STA. 13050+59 PI – 13°27'56" LT

STA. 13056+25 ROAD EDGE
STA. 13056+33 AIRPORT DR
(SCALED) CENTERLINE
STA. 13056+57 ROAD EDGE

STA. 13066+52 POWERLINE, CLEARANCE 25 FT.

STA. 13068+82 POWERLINE, CLEARANCE 25 FT.
STA. 13068+98 GAS PL
STA. 13069+04 GAS PL

STA. 13072+08 TOE BANK
STA. 13072+65 TOP BANK
STA. 13072+67 FENCE
STA. 13073+01 ROAD EDGE
STA. 13073+21 RAMP
(SCALED) CENTERLINE
STA. 13073+34 ROAD EDGE
STA. 13073+48 TOP BANK
STA. 13073+98 TOE BANK

STA. 13075+15 PI – 22°34'46" RT

STA. 13076+95 TOE BANK
STA. 13077+47 TOP BANK
STA. 13077+91 ROAD EDGE
(SCALED) CENTERLINE US HWY 12
STA. 13078+54 ROAD EDGE
STA. 13078+54 CULVERT
STA. 13079+57 TOP BANK
STA. 13079+02 TOE BANK

STA. 13082+26 PI – 49°08'55" RT

STA. 13085+63 GAS PL
STA. 13085+75 TOE BANK
STA. 13085+88 TOP BANK
STA. 13085+88 ROAD EDGE
STA. 13085+88 CONNECTING ROAD (SCALED) CENTERLINE
STA. 13086+03 ROAD EDGE
STA. 13086+19 TOP BANK
STA. 13086+49 TOE BANK

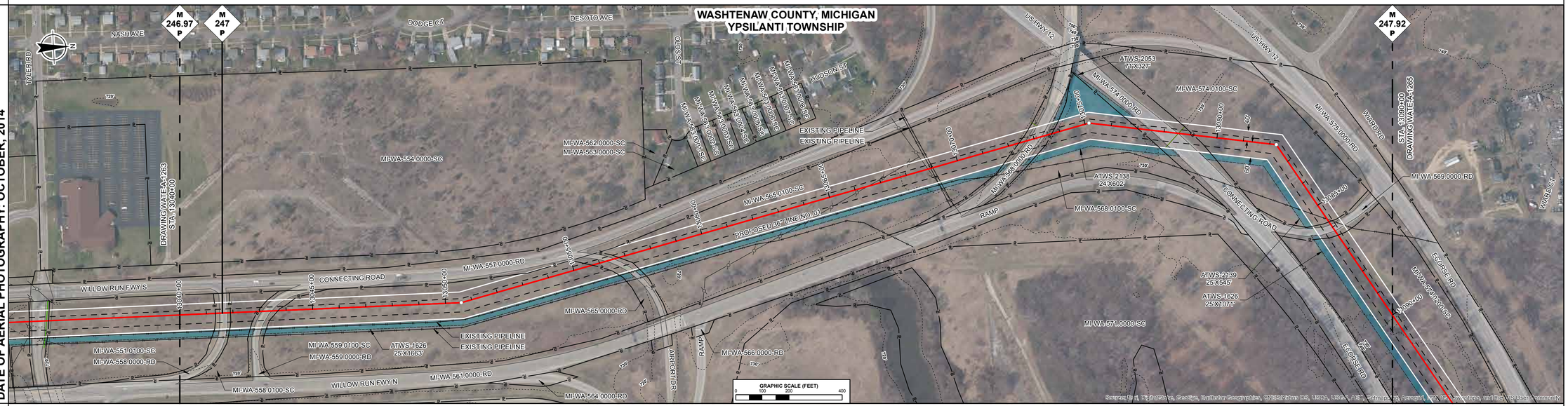
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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

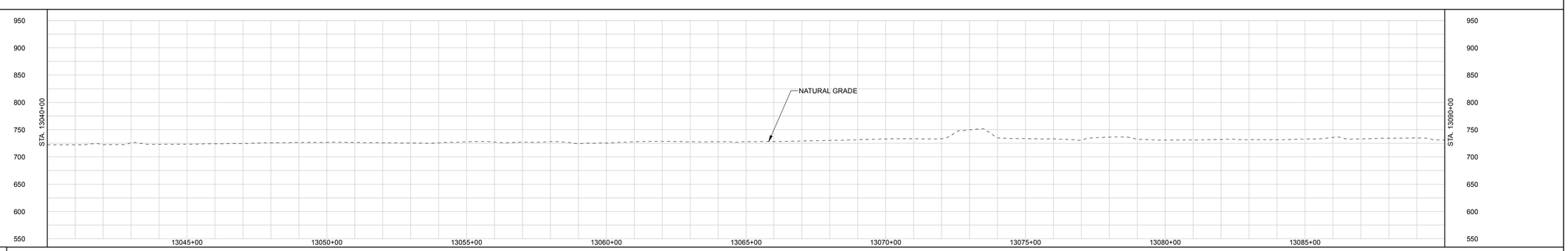
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

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. 246.97 to M.P. 247.92
STA. 13040+00 to STA. 13090+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1264	REV. A

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

P:\265_UPSTREAM_PIPELINE\2SK_GIS\ToBeSent NEXUS PROPOSED MAINLINE PIPELINE 264 of 266.pdf PLOT TIME: 2015-04-22 18:56:54

RIGHT-OF-WAY

TRACT NUMBERS

13090+00 | MI-WA-574.0200-SC: 672 FT. / 40.7 RODS | 13096+72 | MI-WA-572.0000-SC: 99 FT. / 6.0 RODS | 13097+71 | MI-WA-574.0300-SC: 326 FT. / 19.8 RODS | 13100+97 | MI-WA-576.0000-SC: 1278 FT. / 77.5 RODS | 13113+75 | MI-WA-582.0000-SC: 236 FT. / 14.3 RODS | 13116+11 | MI-WA-584.0000-RD: 100 FT. / 6.1 RODS | 13117+11 | MI-WA-585.0000-SC: 128 FT. / 7.8 RODS | 13118+39 | MI-WA-590.0000-RD: 132 FT. / 8.0 RODS | 13119+71 | MI-WA-591.0000-SC: 788 FT. / 47.8 RODS | 13127+59 | MI-WA-595.0000-RD: 52 FT. / 3.2 RODS | 13128+11 | MI-WA-596.0000-SC: 516 FT. / 31.3 RODS | 13133+27 | MI-WA-598.0000-RD: 431 FT. / 26.1 RODS | 13137+58 | MI-WA-599.0000-RD: 49 FT. / 3.0 RODS | 13138+07 | MI-WA-575.0000-RD: 73 FT. / 4.4 RODS | 13138+80 | MI-WA-598.0000-RD: 120 FT. / 7.3 RODS | 13140+00

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 13094+71 PI – 19°08'37" RT

STA. 13096+69 TOP BANK
STA. 13096+91 TOE BANK
STA. 13097+00 ROAD EDGE
STA. 13097+13 PAVED, ROAD CENTERLINE
STA. 13097+26 ROAD EDGE
STA. 13097+26 RAILROAD TOE
STA. 13097+37 RAILROAD TOP
STA. 13097+37 RAILROAD TOE
STA. 13097+40 RAILROAD TOE
STA. 13097+99 TOP BANK
STA. 13100+77 TOP BANK
STA. 13101+19 TOP BANK
STA. 13101+45 TOTAL DEPTH 23 FT. CENTERLINE
STA. 13101+78 TOP BANK
STA. 13112+51 POWERLINE, CLEARANCE 50 FT.
STA. 13115+30 TOE BANK
STA. 13116+08 TOP BANK
STA. 13116+21 FENCE
STA. 13116+28 ROAD EDGE
STA. 13116+52 PAVED, US 12 OVERPASS CENTERLINE
STA. 13116+91 FENCE EDGE
STA. 13117+70 TOE BANK
STA. 13118+15 POWERLINE, CLEARANCE 25 FT.
STA. 13118+28 BUILDING, 30 FT. RT.
STA. 13118+33 TOP BANK
STA. 13118+78 TOE BANK
STA. 13119+08 PAVED, US 12 UNDERPASS CENTERLINE
STA. 13119+41 ROAD EDGE
STA. 13119+51 TOE BANK
STA. 13119+78 POWERLINE, CLEARANCE 45 FT.
STA. 13119+80 TOP BANK
STA. 13127+73 ROAD EDGE
STA. 13127+85 PAVED, US 12 SPUR CENTERLINE
STA. 13127+85 CURVE DATA
STA. 13127+97 ROAD EDGE
STA. 13130+48 TOP BANK
STA. 13130+56 CENTERLINE
STA. 13130+56 TOP BANK
STA. 13131+55 GAS PL
STA. 13138+75 PI – 72°30'04" LT
STA. 13139+49 ROAD EDGE
STA. 13139+76 ROAD EDGE
STA. 13137+82 ECORSE RD (SCALED) CENTERLINE
STA. 13138+26 ROAD EDGE
STA. 13138+28 ROAD EDGE
STA. 13138+42 US HWY 12 CENTERLINE
STA. 13138+45 ROAD EDGE
STA. 13139+50 FENCE

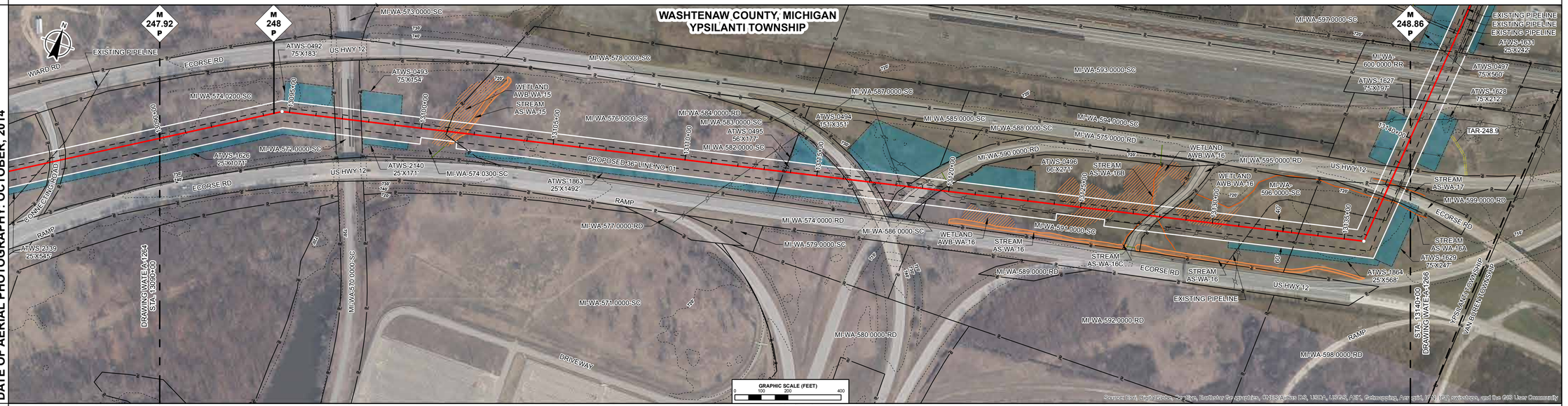
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (M 0.0 P)
- 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 (W)
- RAILROAD TRACK
- TELEPHONE (T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 13090+49 TOP BANK
STA. 13090+49 TOE BANK
STA. 13091+15 ENTER WETLAND AWB-WA-15
STA. 13091+15 STREAM TRIB TO WILLOW RUN AS-WA-15 ENTER
STA. 13091+72 WETLAND AWB-WA-15 EXIT
STA. 13091+72 STREAM TRIB TO WILLOW RUN AS-WA-15 EXIT
STA. 13120+70 WETLAND AWB-WA-16 ENTER
STA. 13121+32 WETLAND AWB-WA-16 EXIT
STA. 13121+55 WETLAND AWB-WA-16 ENTER
STA. 13122+30 WETLAND AWB-WA-16 EXIT
STA. 13124+01 WETLAND AWB-WA-16 ENTER
STA. 13127+69 CENTERLINE OF STREAM AS-WA-16C TRIB TO WILLOW RUN
STA. 13128+04 WETLAND AWB-WA-16 EXIT
STA. 13128+54 WETLAND AWB-WA-16 ENTER
STA. 13130+77 WETLAND AWB-WA-16 EXIT
STA. 13137+48 CENTERLINE OF STREAM AS-WA-16A TRIB TO WILLOW RUN
STA. 13138+15 CENTERLINE OF STREAM AS-WA-17 TRIB TO WILLOW 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

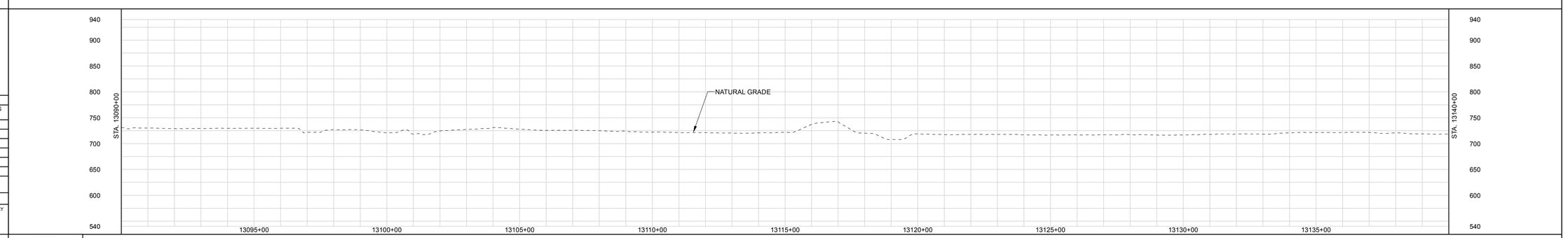
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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

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

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 247.92 to M.P. 248.86
STA. 13090+00 to STA. 13140+00
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1265	REV. A

P:\265_UPSTREAM_PIPELINE\299K GIS\ArcMap\ NEXUS PROPOSED MAINLINE PIPELINE 265-of-266.pdf PLOT TIME: 2015-04-22 13:49:24

DIG.#

RIGHT-OF-WAY

TRACT NUMBERS

MI-WA-598.0000-RD — 154 FT. — 9.3 RODS (13140+00 to 13141+54)
MI-WA-600.0000-RR — 205 FT. — 12.4 RODS (13141+54 to 13143+99)
MI-WA-597.0000-SC — 536 FT. — 32.5 RODS (13143+99 to 13148+95)

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 13140+78 POWERLINE (LIDAR)
STA. 13141+47 RAILROAD (LIDAR) CENTERLINE
STA. 13141+62 RAILROAD (LIDAR) CENTERLINE
STA. 13141+88 RAILROAD (LIDAR) CENTERLINE
STA. 13142+03 RAILROAD (LIDAR) CENTERLINE
STA. 13142+17 RAILROAD (LIDAR) CENTERLINE
STA. 13142+32 RAILROAD (LIDAR) CENTERLINE
STA. 13142+47 RAILROAD (LIDAR) CENTERLINE
STA. 13142+61 RAILROAD (LIDAR) CENTERLINE
STA. 13142+76 RAILROAD (LIDAR) CENTERLINE
STA. 13143+05 RAILROAD (LIDAR) CENTERLINE
STA. 13143+18 RAILROAD (LIDAR) CENTERLINE
STA. 13143+78 FENCE
STA. 13144+68 TOP BANK
STA. 13144+00 TOP BANK
STA. 13144+31 GAS PL
STA. 13144+68 TOP BANK
STA. 13147+05 GAS PL
STA. 13148+66 GAS PL

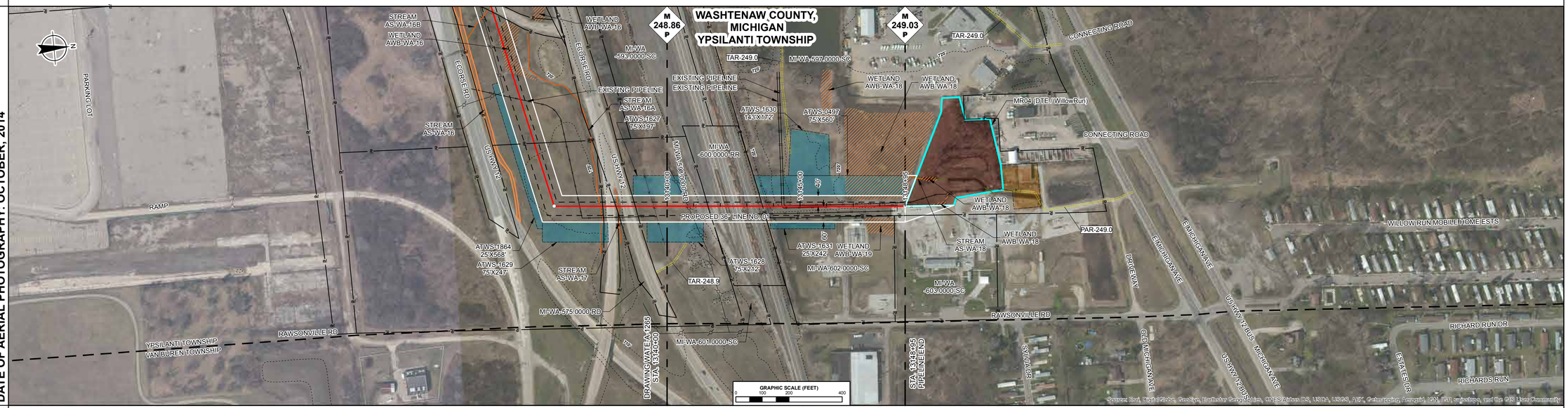
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- MAINLINE VALVE (MLV)
- PIPELINE MILEPOST (A 0.0 P)
- 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 (W—W)
- RAILROAD TRACK
- TELEPHONE (T—T)
- UTILITY LINES
- HORIZONTAL DIRECTIONAL DRILLING
- TOWER
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, OTHER

DATE OF AERIAL PHOTOGRAPHY: OCTOBER, 2014



ENVIRONMENTAL DATA

STA. 13146+67 WETLAND AWB-WA-18 ENTER
STA. 13147+41 WETLAND AWB-WA-19 ENTER
STA. 13148+67 WETLAND AWB-WA-19 EXIT
STA. 13148+95 WETLAND AWE-WA-18 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 (▲)

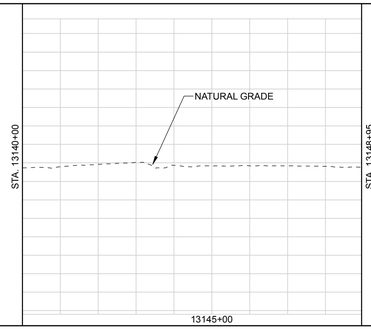
PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%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)



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REFERENCE DRAWINGS		REVISIONS				MATERIALS		
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ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
TITLE	SIGNATURE	DATE	SIGNATURE	DATE

NEXUS PROPOSED MAINLINE PIPELINE
M.P. 248.86 to M.P. 249.03
STA. 13140+00 to STA. 13148+94
ALIGNMENT SHEET

LOC. WASHTENAW COUNTY, MICHIGAN

NEXUS GAS TRANSMISSION

22-Apr-2015	W.B.S.	Scale 1" = 200'	WATE-A-1266	REV. A

P:\265_UPSTREAM_PIPELINE\299K_GIS\TurboRouter\ NEXUS PROPOSED MAINLINE PIPELINE 266.rut PLOT TIME: 2015-04-22 13:56:13

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