RIGHT-OF-WAY

TRACT NUMBERS

9420+90	OH-WO-119.0000	9422+02	OH-WO-120.0000	9428+38	OH-WO-121.0000	9429+21	OH-WO-122.0000	9441+50	OH-WO-123.0000	9456+93	OH-WO-124.0000-RR	9457+71	OH-WO-125.0000	9462+21	OH-WO-126.0000	9464+53	OH-WO-127.0000	9468+60	OH-WO-128.0000	9470+90
	112 FT.		436 FT.		183 FT.		1329 FT.		1543 FT.		78 FT.		450 FT.		232 FT.		397 FT.		240 FT.	
	6.8 RODS		26.4 RODS		11.1 RODS		80.5 RODS		93.5 RODS		4.7 RODS		27.3 RODS		14.1 RODS		24.1 RODS		14.5 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9428+52 TOWER, 185 FT. LEFT
STA. 9428+53 TOWER, 65 FT. LEFT
STA. 9438+63 TOWER, 185 FT. LEFT
STA. 9438+64 TOWER, 65 FT. LEFT
STA. 9446+38 PI - 30°03' RT
STA. 9447+33 TOWER, 257 FT. LEFT
STA. 9447+96 TOWER, 155 FT. LEFT
STA. 9452+26 PI - 2°47'32" LT
STA. 9456+76 TOWER, 647 FT. LEFT
STA. 9457+08 TOE BANK
STA. 9457+21 TOP BANK
STA. 9457+36 RAILROAD
STA. 9457+41 PIPELINE
STA. 9457+50 RAILROAD CENTERLINE

CLASS LOCATION

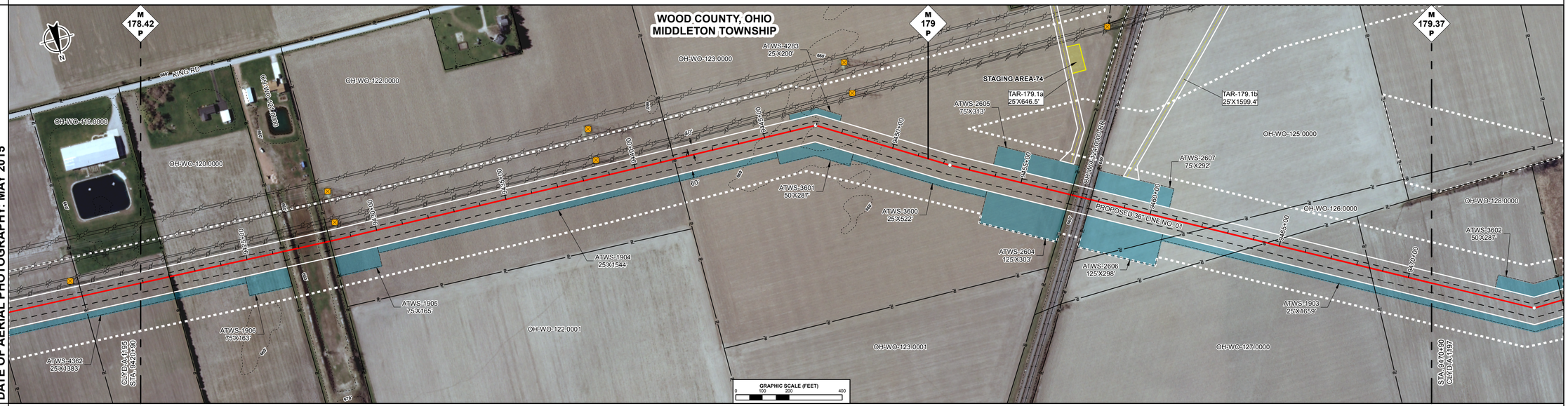
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

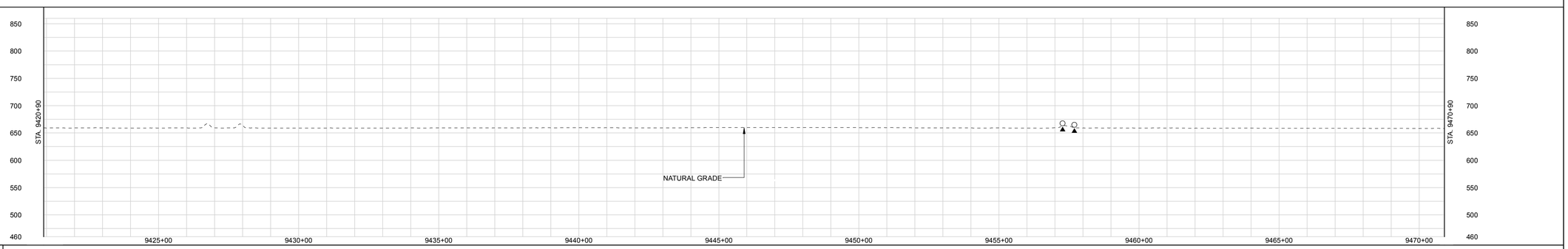
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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 | OL OPEN LAND | I/C INDUSTRIAL/COMMERCIAL
F/W FOREST/WOODLAND | R RESIDENTIAL | OW OPEN WATER

SOILS																				
LAND USE		AG			OL		AG								OL	I/C	AG			
% SLOPE		< 5%		15-30%	< 5%	5-15%	< 5%								5-15%		< 5%			

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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

CLYD - WATE
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. WOOD COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | CLYD-A-1196 | REV. 0B

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		0B			ISSUED FOR FERC FILING (11/2015)
		0A			ISSUED FOR FERC FILING (11/2015)
		0			ISSUED FOR FERC FILING (11/2015)

REVISIONS

ITEM	DESCRIPTION	QTY
MATERIALS		

P:\265_UPSTREAM_PIPELINE\299X_GIS\ToBeRealm NEXUS PROPOSED MAINLINE PIPELINE 196 of 276.pdf - PLOT TIME: 2015-09-17 10:32:33

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

9470+90	OH-WO-128.0000 507 FT. 30.7 RODS	9475+97	OH-WO-129.0000 337 FT. 20.4 RODS	9479+34	OH-WO-130.0000 633 FT. 38.4 RODS	9485+67	OH-WO-131.0000 1468 FT. 89.0 RODS	9500+35	OH-WO-132.0000-RD 52 FT. 3.2 RODS	9500+87	OH-WO-131.0000 1496 FT. 90.7 RODS	9515+83	OH-WO-134.0000 507 FT. 30.7 RODS	9520+90

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9474+87 PI - 29°59'59" LT
STA. 9476+79 PI - 4°2'38" RT
STA. 9493+42 HDD EXIT
STA. 9499+22 TOP BANK
STA. 9499+32 TOE BANK
STA. 9499+38 DITCH DEPTH
STA. 9499+41 FENCE LINE
STA. 9499+42 TOE BANK
STA. 9499+52 TOP BANK
STA. 9500+00 ROAD EDGE
STA. 9500+61 PAVED, SH 64
STA. 9500+62 MUNICIPALITY LINE
STA. 9500+74 ROAD EDGE
STA. 9500+78 FENCE LINE
STA. 9500+78 POWERLINE CLEARANCE 19 FT.
STA. 9500+81 POWERLINE.
STA. 9500+82 CL-64-WC-27 FT
STA. 9500+84 TOP BANK
STA. 9501+14 TOP BANK
STA. 9501+17 TOE BANK
STA. 9501+39 TOE BANK
STA. 9501+53 TOP BANK
STA. 9502+00 TOP BANK
STA. 9502+88 ROAD EDGE
STA. 9506+67 TOP BANK
STA. 9506+89 DITCH DEPTH
STA. 9507+00 FENCE LINE
STA. 9507+10 TOP BANK
STA. 9508+63 PI - 60°59'59" LT
STA. 9508+64 HDD ENTRY
STA. 9514+51 MUNICIPALITY LINE
STA. 9517+35 PI - 60°0'0" RT

CLASS LOCATION

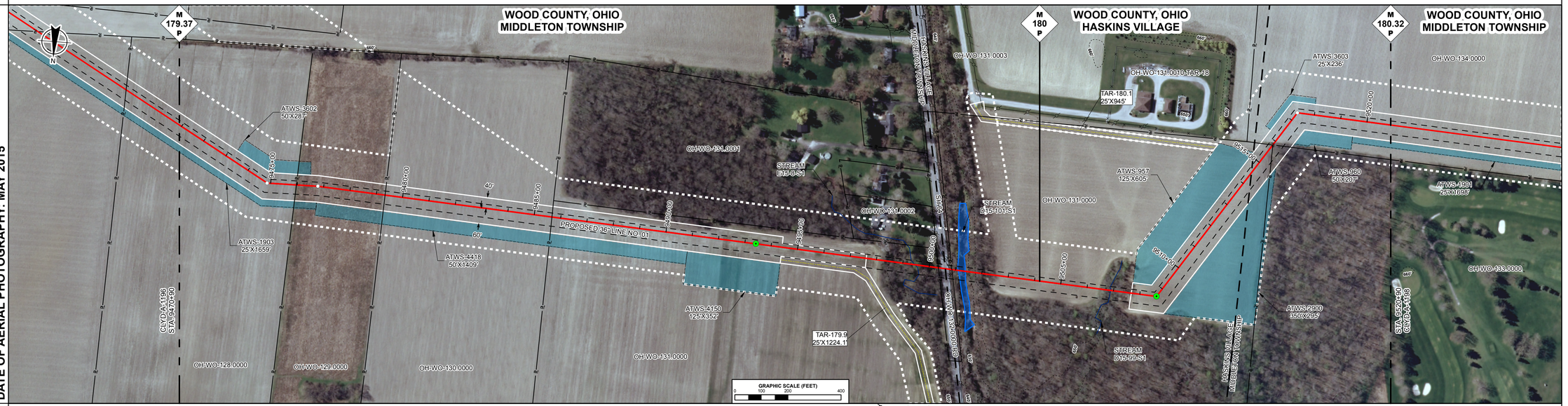
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9499+47 CENTERLINE OF STREAM E15-8-S1 TRIBUTARY TO MAUMEE RIVER
STA. 9501+08 STREAM TRIBUTARY D15-101-S1 ENTER
STA. 9501+44 STREAM TRIBUTARY D15-101-S1 EXIT
STA. 9506+88 CENTERLINE OF STREAM D15-99-S1 TRIBUTARY TO MAUMEE RIVER

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

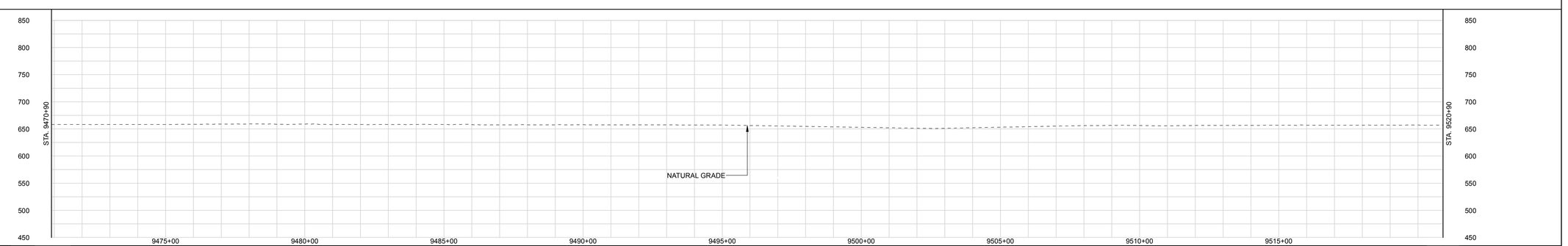
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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; OL OPEN LAND; I/C INDUSTRIAL/COMMERCIAL; F/W FOREST/WOODLAND; R RESIDENTIAL; OW OPEN WATER

SOILS																							
LAND USE		AG		OL		AG		F/W	OW	F/W	I/C	F/W	OW	F/W	AG		F/W	OW	F/W	AG			
% SLOPE		< 5%																					

GENERAL NOTES:

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

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

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

REV	DSN	CK	DESCRIPTION
0B			ISSUED FOR FERC FILING (11/2015)
0A			ISSUED FOR FERC FILING (11/2015)
0			ISSUED FOR FERC FILING (11/2015)

ITEM	DESCRIPTION	QTY

DWG. NO.	DESCRIPTION
APPENDIX IA-5	HDD CROSSING PLANS

REFERENCE DRAWINGS | REVISIONS | MATERIALS

CLYD - WATE
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. WOOD COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | CLYD-A-1197 | REV. 0B

IG.#

P:\265_UPSTREAM_PIPELINE\299K_OST\ArbRoot\ln NEXUS PROPOSED MAINLINE PIPELINE 197 of 278.pdf - PLOT TIME: 2015-09-16 11:00:45

RIGHT-OF-WAY

TRACT NUMBERS

9520+90	OH-WO-134.0000 774 FT. 46.9 RODS	9528+64	OH-WO-135.0000 1352 FT. 81.9 RODS	9542+16	OH-WO-136.0000 553 FT. 33.5 RODS	9547+69	OH-WO-137.0000 818 FT. 49.6 RODS	9555+87	OH-WO-138.0000-RD 90 FT. 5.5 RODS	9556+77	OH-WO-139.0000 1163 FT. 70.5 RODS	9568+40	OH-WO-140.0000-RD 63 FT. 3.8 RODS	9569+03	OH-WO-141.0000 187 FT. 11.3 RODS	9570+90

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9531+24 TOWER, 768 FT. LEFT

STA. 9539+26 TOP BANK
STA. 9539+82 TOE BANK
STA. 9539+97 TOP BANK
STA. 9540+02 DITCH, DEPTH 0
STA. 9540+04 TOP BANK
STA. 9540+05 TOP BANK
STA. 9540+84 TOE BANK

STA. 9541+65 TOP BANK

STA. 9544+09 TOP BANK
STA. 9544+67 TOE BANK
STA. 9544+71 PI - 30°03' RT
STA. 9545+25 TOP BANK
STA. 9545+53 TOP BANK

STA. 9548+97 PI - 5°52'15" LT

STA. 9555+92 TOP BANK
STA. 9556+01 DITCH, DEPTH 0.1 FT. CENTERLINE
STA. 9556+06 POWERLINE, 0 FT. CLEARANCE 25 FT.
STA. 9556+13 TOP BANK
STA. 9556+20 TOP BANK
STA. 9556+21 ROAD EDGE
STA. 9556+31 CR 235 CENTERLINE
STA. 9556+39 ROAD EDGE
STA. 9556+40 TOE BANK
STA. 9556+46 TOE BANK

STA. 9566+19 HDD ENTRY

STA. 9568+38 TOE BANK
STA. 9568+40 POWERLINE, 0 FT. CLEARANCE
STA. 9568+48 TOP BANK
STA. 9568+50 ROAD EDGE
STA. 9568+64 CR 235, SR 65 CENTERLINE
STA. 9568+79 ROAD EDGE
STA. 9568+81 TOE BANK
STA. 9568+89 DITCH, DEPTH 0.1 FT. CENTERLINE
STA. 9568+94 TOP BANK
STA. 9568+96 TOP BANK
STA. 9569+02 POWERLINE, CLEARANCE 15 FT.

CLASS LOCATION

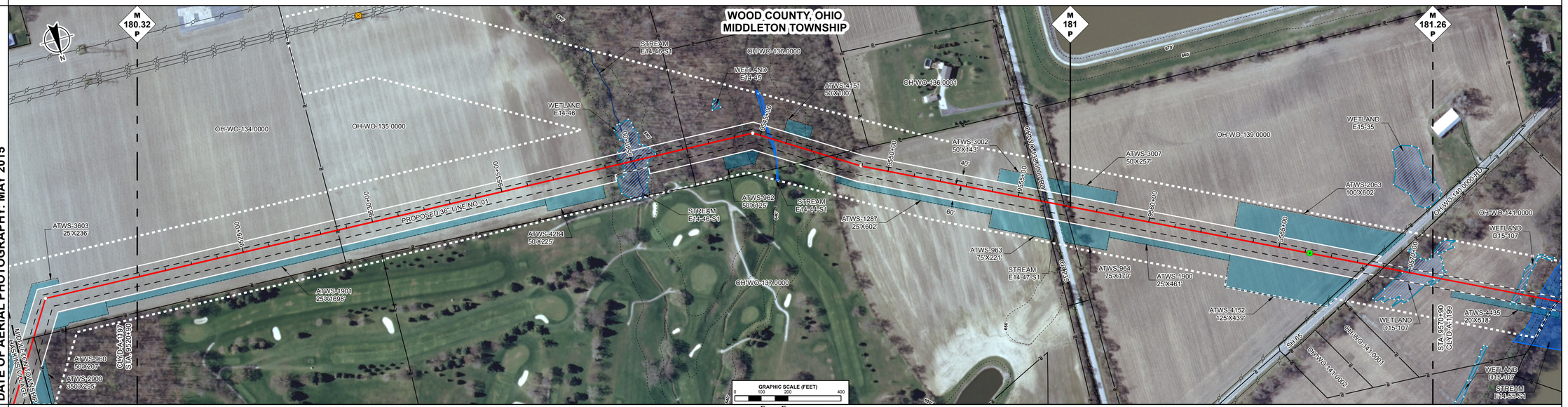
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE (W)
- RAILROAD TRACK
- TELEPHONE LINE (T)
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9539+59 WETLAND E14-46 ENTER
STA. 9540+05 CENTERLINE OF STREAM E14-46-S1 TRIBUTARY TO MAUMEE RIVER
STA. 9540+97 WETLAND E14-46 EXIT

STA. 9545+11 STREAM TRIBUTARY TO MAUMEE RIVER E14-44-S1 ENTER
STA. 9545+81 STREAM TRIBUTARY TO MAUMEE RIVER E14-44-S1 EXIT

STA. 9556+02 CENTERLINE OF STREAM E14-47-S1 TRIBUTARY TO MAUMEE RIVER

STA. 9569+52 WETLAND D15-107 ENTER

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

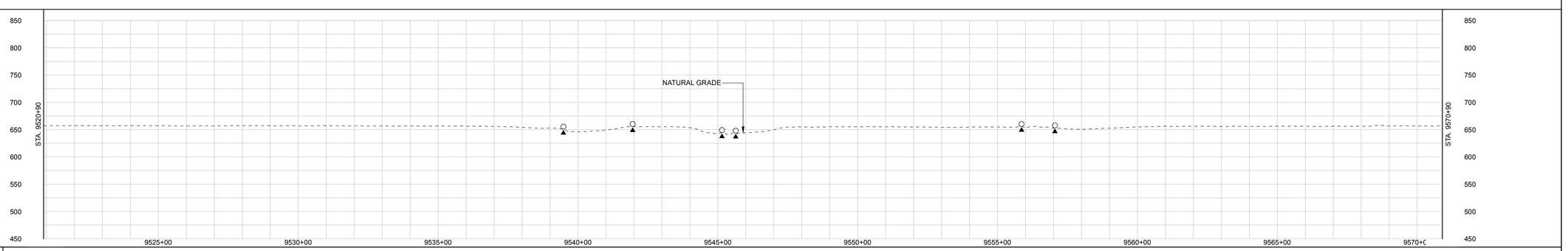
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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 | OL OPEN LAND | I/C INDUSTRIAL/COMMERCIAL
F/W FOREST/WOODLAND | R RESIDENTIAL | OW OPEN WATER

| SOILS | | |

RIGHT-OF-WAY

TRACT NUMBERS

9570+90	OH-WO-141.0000	9575+74	OH-WO-142.0000-WB	9583+25	OH-LC-002.0000	9583+85	OH-LC-003.0000	9585+47	OH-LC-005.0000	9586+53	OH-LC-006.0000	9586+53	OH-LC-007.0000	9587+71	OH-LC-008.0000	9588+68	OH-LC-009.0000	9588+85	OH-LC-010.0000-WB	9595+93	OH-LC-011.0000	9596+60	OH-LC-012.0000	9597+49	OH-LC-013.0000-RD	9598+42	OH-LC-014.0000	9598+96	OH-LC-015.0000	9599+15	OH-LC-016.0000	9613+95	OH-LC-017.0000	9614+69	OH-LC-018.0000-ABRR	9615+24	OH-LC-019.0000	9620+90
	482 FT. 29.2 RODS		751 FT. 45.5 RODS		60 FT. 3.6 RODS		162 FT. 9.8 RODS		106 FT. 6.4 RODS		0 FT. 0.0 RODS		118 FT. 7.2 RODS		97 FT. 5.9 RODS		17 FT. 1.0 RODS		708 FT. 42.9 RODS		67 FT. 4.1 RODS		89 FT. 5.4 RODS		93 FT. 5.6 RODS		54 FT. 3.3 RODS		19 FT. 1.2 RODS		1480 FT. 89.7 RODS		74 FT. 4.5 RODS		55 FT. 3.3 RODS		566 FT. 34.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9574+89 TOP BANK
STA. 9580+58 MUNICIPALITY LINE
STA. 9583+50 TOP BANK
STA. 9588+51 TOP BANK
STA. 9595+79 MUNICIPALITY LINE
STA. 9596+18 TOP BANK
STA. 9596+42 TOE BANK
STA. 9596+79 TOP BANK
STA. 9596+91 DRIVEWAY EDGE
STA. 9597+25 DRIVEWAY EDGE
STA. 9597+51 FENCE
STA. 9597+53 TOE BANK
STA. 9597+59 TOP BANK
STA. 9597+81 PAVED US 24
CENTERLINE
STA. 9598+02 TOP BANK
STA. 9598+12 DITCH DEPTH 0 FT. CENTERLINE
STA. 9598+24 POWERLINE
STA. 9598+30 FENCE
STA. 9598+30 UNDERGROUND WATER
STA. 9598+47 FIRE HYDRANT, 98 FT. LEFT
STA. 9606+17 HDD EXIT
STA. 9613+64 DRIVEWAY
STA. 9613+70 DRIVEWAY
STA. 9613+75 DRIVEWAY
STA. 9614+23 TEE TAP
STA. 9614+45 FENCE
STA. 9614+48 PIPELINE (SCALED)
STA. 9614+70 DRIVEWAY
STA. 9614+71 DRIVEWAY
CENTERLINE
STA. 9614+76 DRIVEWAY
STA. 9614+87 TOP BANK
STA. 9615+03 FIRE HYDRANT, 204 FT. RIGHT
STA. 9615+07 RAILROAD TOP
STA. 9615+13 RAILROAD CENTERLINE
STA. 9615+19 RAILROAD TOE
STA. 9615+30 RAILROAD TOP
STA. 9618+00 UNDERGROUND WATER
STA. 9618+90 FIRE HYDRANT, 634 FT. LEFT

CLASS LOCATION

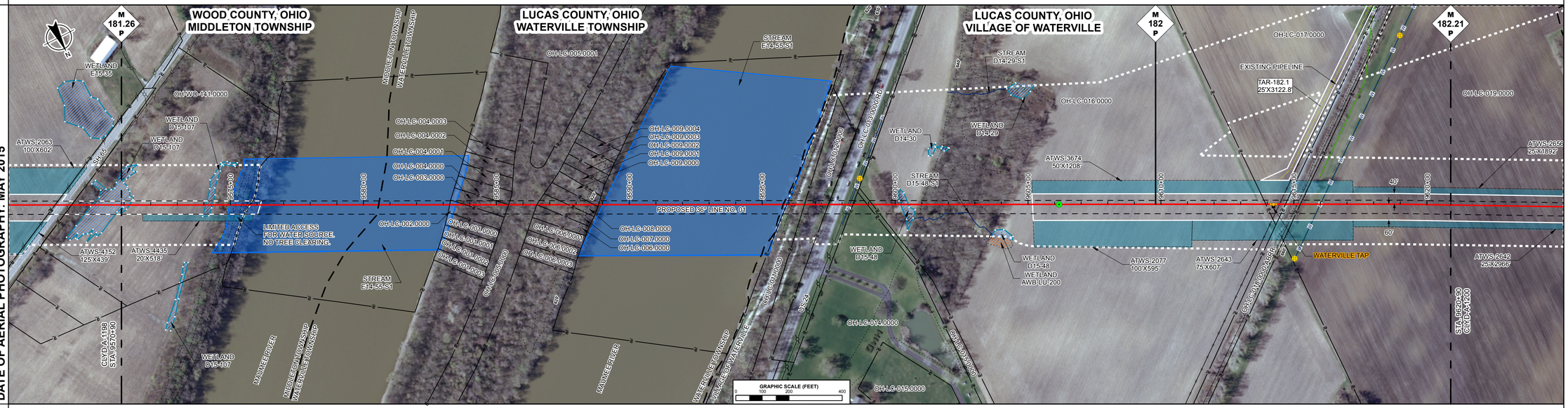
Class 1 | Class 3 | Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9571+30 WETLAND D15-107 EXIT
STA. 9573+99 WETLAND D15-107 ENTER
STA. 9574+37 WETLAND D15-107 EXIT
STA. 9574+92 STREAM MAUMEE RIVER E14-55-S1 ENTER
STA. 9583+53 STREAM MAUMEE RIVER E14-55-S1 EXIT
STA. 9598+04 STREAM MAUMEE RIVER E14-55-S1 ENTER
STA. 9598+09 STREAM MAUMEE RIVER E14-55-S1 EXIT
STA. 9600+16 WETLAND D15-48 ENTER
STA. 9600+78 WETLAND D15-48 EXIT

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

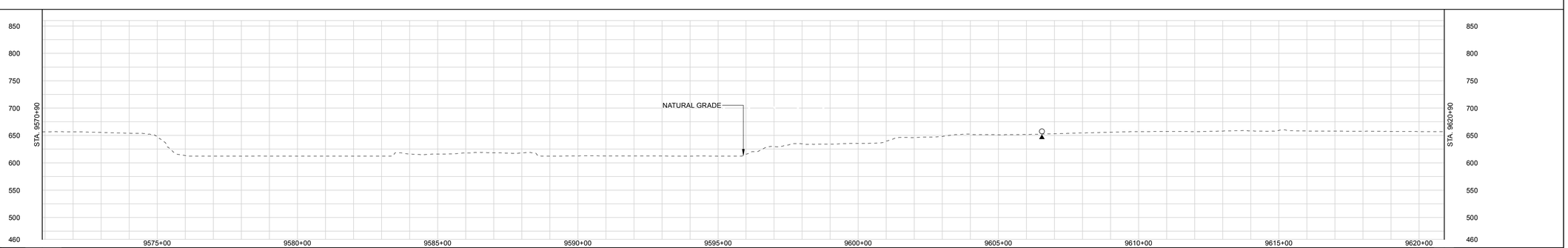
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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 | OL OPEN LAND | I/C INDUSTRIAL/COMMERCIAL
F/W FOREST/WOODLAND | R RESIDENTIAL | OW OPEN WATER

SOILS																								
LAND USE		AG		F/W		OW		F/W		OW		F/W	I/C	OL	AG	F/W		AG		OL	AG			
% SLOPE		< 5%		15-30%		< 5%		5-15%		< 5%		5-15%		< 5%		5-15%		< 5%						

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

GENERAL NOTES:

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

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

REV	DSN	CK	DESCRIPTION
0B			ISSUED FOR FERC FILING (11/2015)
0A			ISSUED FOR FERC FILING (11/2015)
0			ISSUED FOR FERC FILING (11/2015)

ITEM	DESCRIPTION	QTY

DWG. NO.	DESCRIPTION
APPENDIX IA-5	HDD CROSSING PLANS

REFERENCE DRAWINGS | REVISIONS | MATERIALS

CLYD - WATE
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO AND WOOD COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	CLYD-A-1199	REV. 0B

IG.#

P:\205_UPSTREAM_P\PIELINE\200K_GIS\TurboRoute NEXUS PROPOSED MAINLINE PIPELINE 199 of 276.pdf - PLOT TIME: 2015-09-16 11:04:16

RIGHT-OF-WAY

TRACT NUMBERS

9620+90 | OH-LC-019.0000 728 FT. 44.1 RODS | 9628+18 | OH-LC-020.0000 1200 FT. 72.7 RODS | 9640+18 | OH-LC-021.0000 1143 FT. 69.3 RODS | 9651+61 | OH-LC-022.0000 331 FT. 20.1 RODS | 9654+92 | OH-LC-023.0000 18 FT. 1.1 RODS | 9655+10

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9628+18 MUNICIPALITY LINE

STA. 9635+04 PI - 30°0'0" LT

STA. 9647+95 TOP BANK
STA. 9648+05 DITCH, DEPTH 0.5' CENTERLINE
STA. 9648+15 TOP BANK

CLASS LOCATION

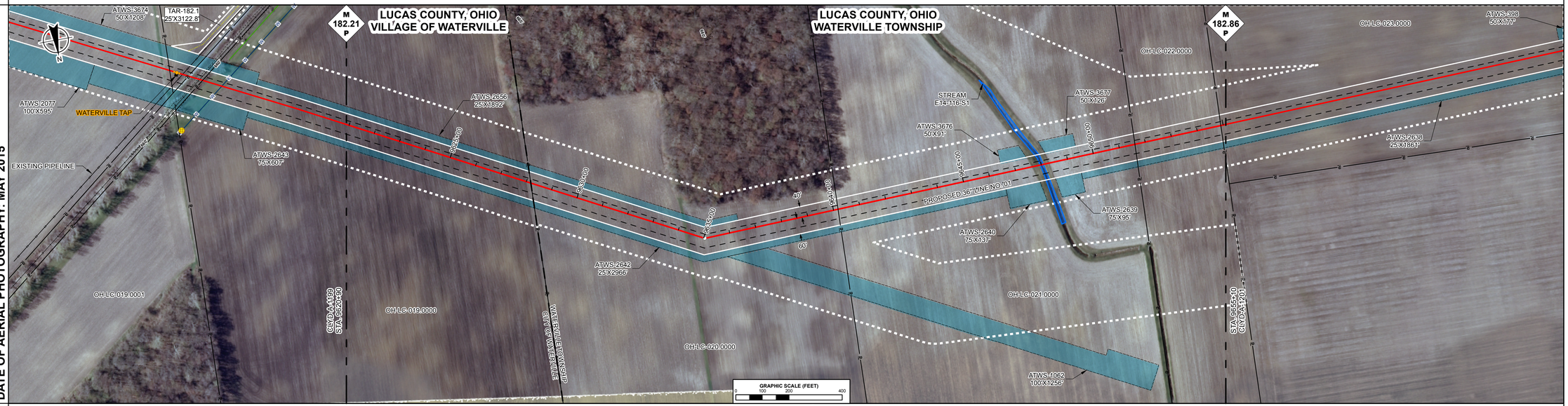
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



STA. 9647+84 STREAM BLVSTOME DITCH E14-116-S1 ENTER
STA. 9648+05 STREAM MAYSTOME DITCH E14-116-S1 EXIT

ENVIRONMENTAL DATA

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

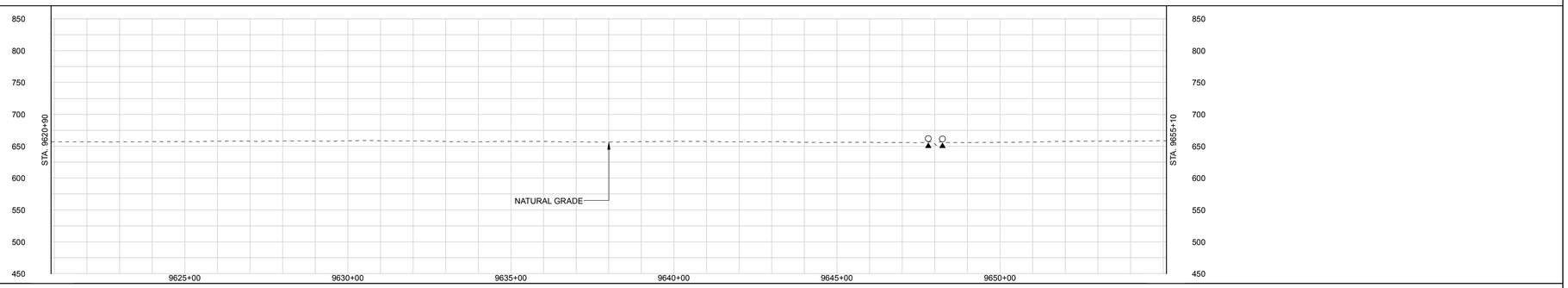
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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	OL	OPEN LAND	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	OW	OPEN WATER

SOILS																							
LAND USE	AG																	OL	OW	OL	AG		
% SLOPE	< 5%																	5-15%			< 5%		

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		REVISIONS			
		0B			ISSUED FOR FERC FILING (11/2015)
		0A			ISSUED FOR FERC FILING (11/2015)
		0			ISSUED FOR FERC FILING (11/2015)

ITEM	DESCRIPTION	QTY
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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

CLYD - WATE
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | CLYD-A-1200 | REV. 0B

IG.#

P:\265_UPSTREAM_PIPELINE\265K_GIS\ToBeRouted\ NEXUS PROPOSED MAINLINE PIPELINE 200 of 276.pdf - PLOT TIME: 2015-10-08 13:37:36

RIGHT-OF-WAY

TRACT NUMBERS

9655+10	OH-LC-023.0000	9669+54	OH-LC-024.0000-RD	9670+07	OH-LC-025.0000	9679+54	OH-LC-026.0000-RD	9682+53	OH-LC-027.0000	9686+40	OH-LC-028.0000	9689+30
	1444 FT. 87.5 RODS		53 FT. 3.2 RODS		947 FT. 57.4 RODS		299 FT. 18.1 RODS		387 FT. 23.5 RODS		290 FT. 17.6 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9669+54 TOP BANK
STA. 9669+55 POWERLINE, CLEARANCE 50 FT.
STA. 9669+55 POWERLINE, CLEARANCE 75 FT.
STA. 9669+58 TOE BANK
STA. 9669+59 DITCH, DEPTH 0
STA. 9669+70 TOP BANK
STA. 9669+70 TOP BANK
STA. 9669+71 ROAD EDGE
STA. 9669+81 FENCE, CR 137 CENTERLINE
STA. 9669+90 ROAD EDGE
STA. 9669+91 TOP BANK
STA. 9669+92 TOP BANK
STA. 9670+02 UNDERGROUND TELEPHONE
STA. 9670+03 TOE BANK
STA. 9670+04 TOE BANK

STA. 9677+25 TOP BANK
STA. 9677+34 DITCH, DEPTH 0.4 FT. CENTERLINE
STA. 9677+40 TOP BANK
STA. 9678+31 FENCE, 23°59'59" RT

STA. 9679+54 FENCE
STA. 9679+55 ROAD EDGE
STA. 9679+74 TOP BANK
STA. 9679+89 DITCH, DEPTH 2.5 FT. CENTERLINE
STA. 9680+34 ROAD EDGE
STA. 9680+50 HWY 24 N CENTERLINE (SCALED)
STA. 9680+74 ROAD EDGE
STA. 9680+74 TOP BANK
STA. 9680+89 DITCH, DEPTH 0.2 FT. CENTERLINE
STA. 9681+26 TOP BANK
STA. 9681+43 ROAD EDGE
STA. 9681+44 HWY 24 S CENTERLINE (SCALED)
STA. 9681+86 ROAD EDGE
STA. 9681+87 TOP BANK
STA. 9682+11 DITCH, DEPTH 0.2 FT. CENTERLINE
STA. 9682+12 TOP BANK
STA. 9682+42 FENCE
STA. 9682+43 FENCE

STA. 9688+45 CULVERT
STA. 9689+13 L - 19°36'54" LT

CLASS LOCATION

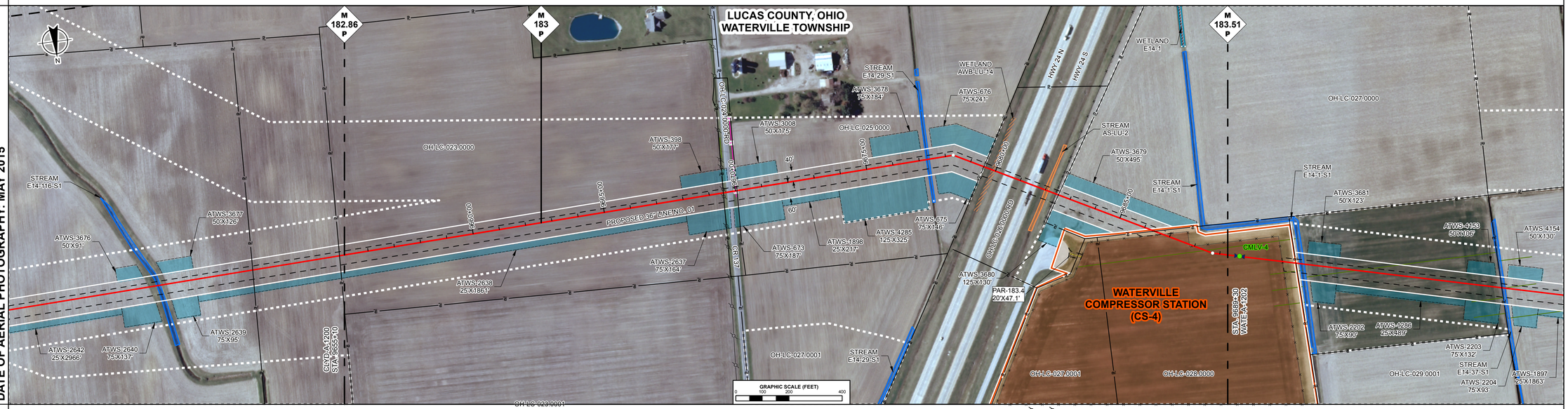
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9677+27 STREAM SUTER TRIBUTARY 05 EXIT
STA. 9677+34 DITCH E14-29-S1 EXIT
STA. 9677+40 STREAM SUTER DITCH E14-29-S1 EXIT

STA. 9679+83 WETLAND AWB-LU-14 EXIT
STA. 9680+01 WETLAND AWB-LU-14 EXIT

STA. 9681+99 STREAM TRIBUTARY TO WHITEMER DITCH AS-LU-2 ENTER
STA. 9682+12 STREAM TRIBUTARY TO WHITEMER DITCH AS-LU-2 EXIT

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

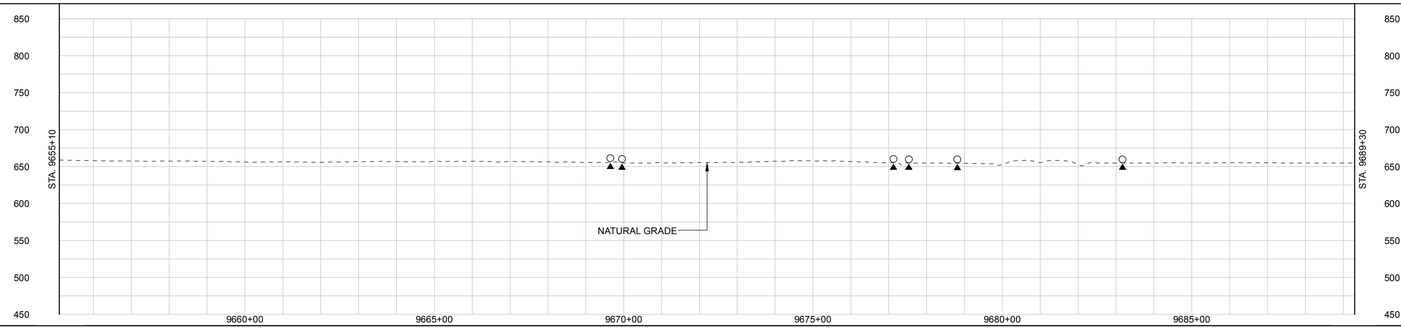
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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	OL	OPEN LAND	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	OW	OPEN WATER

SOILS																					
LAND USE	AG		I/C		AG		OW	AG		OL		I/C		OL	OW	OL		AG			
% SLOPE	< 5%									5-15%				< 5%							

APPENDIX IA-3 OTHER ABOVEGROUND FACILITY PLOT PLAN DRAWINGS

DWG. NO.	DESCRIPTION
	REFERENCE DRAWINGS

REV	DSN	CK	DESCRIPTION
0B			ISSUED FOR FERC FILING (11/2015)
0A			ISSUED FOR FERC FILING (11/2015)
0			ISSUED FOR FERC FILING (11/2015)
			REVISIONS

ITEM	DESCRIPTION	QTY
	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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

CLYD - WATE
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | CLYD-A-1201 | REV. 0B

IG.#

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 201 of 278.pdf - PLOT TIME: 2015-09-17 16:11:43

RIGHT-OF-WAY

TRACT NUMBERS

9689+30	OH-LC-028.0000	9691+89	OH-LC-029.0000	9698+69	OH-LC-030.0000	9717+49	OH-LC-031.0000	9718+71	OH-LC-032.0000	9720+90
	259 FT. 15.7 RODS		780 FT. 47.3 RODS		1782 FT. 108.0 RODS		117 FT. 7.1 RODS		219 FT. 13.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9689+75 CMLV-4
STA. 9692+04 TOP BANK
STA. 9692+13 DITCH DEPTH 0.9 FT. CENTERLINE
STA. 9692+21 TOP BANK
STA. 9694+22 CULVERT
STA. 9699+67 TOP BANK
STA. 9699+74 DITCH DEPTH 0.6 FT. CENTERLINE
STA. 9699+78 CULVERT
STA. 9699+83 TOP BANK
STA. 9704+43 CULVERT
STA. 9717+06 CULVERT
STA. 9720+68 CULVERT

CLASS LOCATION

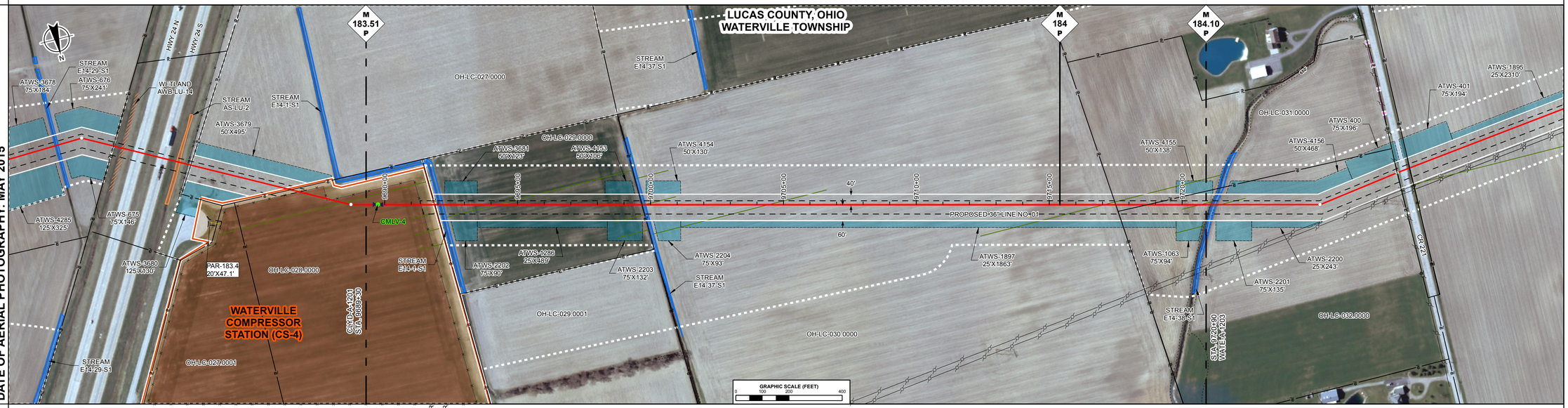
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE (W)
- RAILROAD TRACK
- TELEPHONE LINE (T)
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS
- WATER
- OIL
- UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



STA. 9691+94 STREAM WHITEMEIR DITCH E14-37-S1 ENTER
STA. 9692+08 STREAM WHITEMEIR DITCH E14-1-S1 EXIT
STA. 9699+58 STREAM ESTWORTHY DITCH E14-37-S1 ENTER
STA. 9699+98 STREAM ESTWORTHY DITCH E14-37-S1 EXIT

ENVIRONMENTAL DATA

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

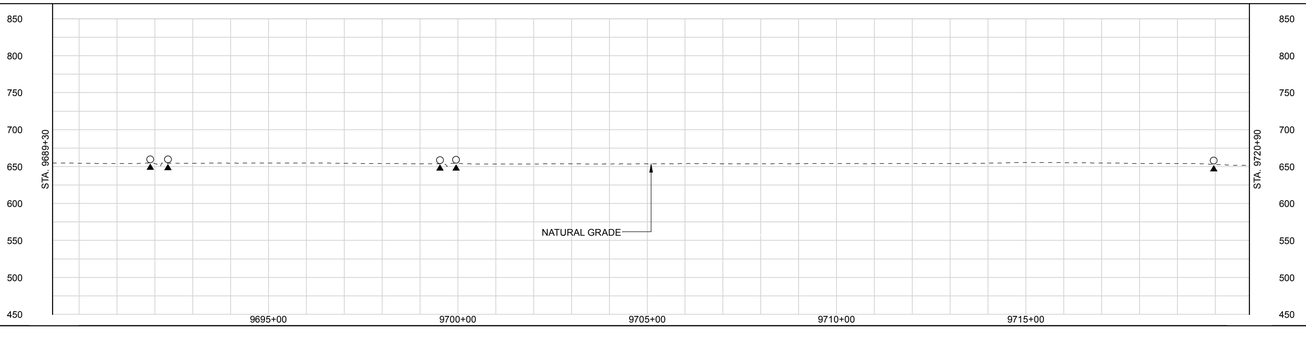
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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	OL	OPEN LAND	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	OW	OPEN WATER

SOILS									
LAND USE	AG	OW	AG	OW	AG				
% SLOPE	< 5%		5-15%		< 5%				

P:\29_UPSTREAM_PIPELINE\26SK_GIS\Workflow\NEXUS PROPOSED MAINLINE PIPELINE 202 of 278.pdf - PLOT TIME: 2015-09-17 10:36:31

IG.#

DWG. NO.	DESCRIPTION
APPENDIX IA-3	OTHER ABOVEGROUND FACILITY PLOT PLAN DRAWINGS

REFERENCE DRAWINGS

REV	DSN	CK	DESCRIPTION
0B			ISSUED FOR FERC FILING (11/2015)
0A			ISSUED FOR FERC FILING (11/2015)
0			ISSUED FOR FERC FILING (11/2015)

REVISIONS

ITEM	DESCRIPTION	QTY

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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

WATE - WILL
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	WATE-A-1202	REV. 0B

RIGHT-OF-WAY

TRACT NUMBERS

9720+90 | OH-LC-032.0000 742 FT. 45.0 RODS | 9728+32 | OH-LC-033.0000-RD 50 FT. 3.0 RODS | 9728+83 | OH-LC-034.0000 1335 FT. 80.9 RODS | 9742+18 | OH-LC-035.0000 1319 FT. 79.9 RODS | 9755+37 | OH-LC-036.0000-RD 64 FT. 3.9 RODS | 9758+01 | OH-LC-037.0000 1489 FT. 90.2 RODS | 9770+90

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9721+07 TOP BANK
STA. 9721+17 DITCH, DEPTH
STA. 9721+32 CENTERLINE
STA. 9721+32 TOP BANK
STA. 9721+41 CULVERT

STA. 9726+18 PI - 22°30'0" LT

STA. 9728+32 PI - 12°24'7" RT
STA. 9728+34 POWERLINE (SCALED)
STA. 9728+37 TOE BANK
STA. 9728+47 TOP BANK
STA. 9728+49 ROAD EDGE
STA. 9728+60 PAVED, CR 221 CENTERLINE
STA. 9728+70 ROAD EDGE
STA. 9728+72 TOP BANK
STA. 9728+86 TOE BANK

STA. 9755+37 TOE BANK
STA. 9755+45 TOP BANK
STA. 9755+47 ROAD EDGE
STA. 9755+58 PAVED, CR 152 CENTERLINE
STA. 9755+67 ROAD EDGE
STA. 9755+71 TOP BANK
STA. 9755+87 DITCH, DEPTH 0
STA. 9755+87 CULVERT
STA. 9755+87 FOUNDATION LINE
STA. 9755+95 TOP BANK
STA. 9756+08 POWERLINE CLEARANCE 17 FT.

CLASS LOCATION

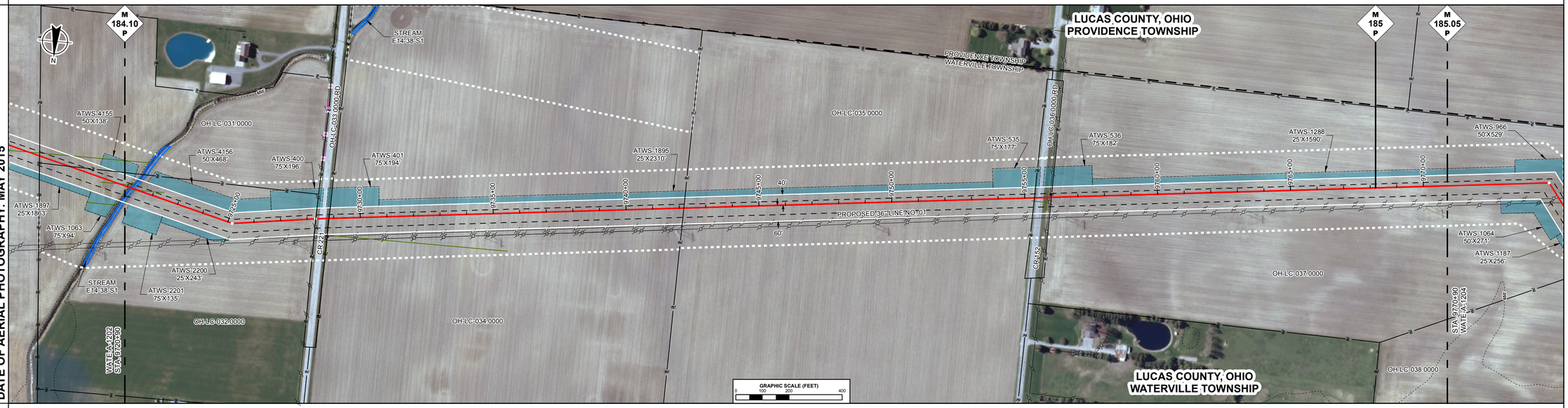
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9720+97 STREAM DISHER DITCH E14-38-S1 ENTER
STA. 9721+14 STREAM DISHER DITCH E14-38-S1 EXIT

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

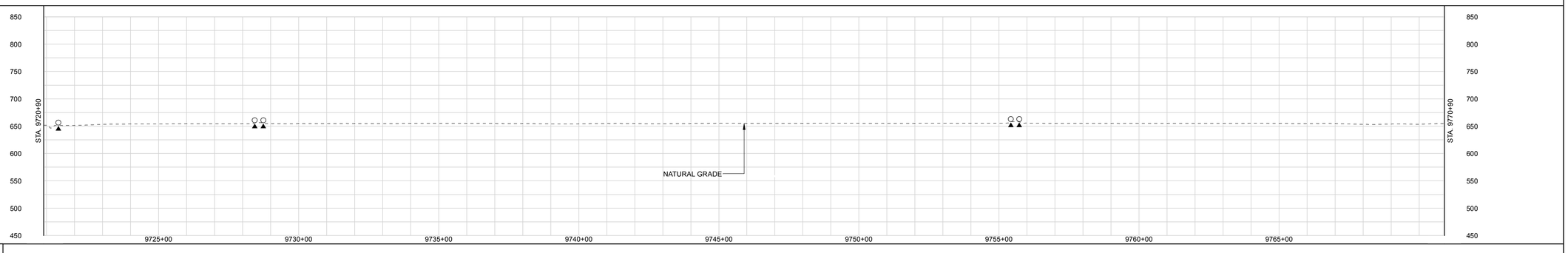
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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 | OL OPEN LAND | I/C INDUSTRIAL/COMMERCIAL
F/W FOREST/WOODLAND | R RESIDENTIAL | OW OPEN WATER

| | | |

RIGHT-OF-WAY

TRACT NUMBERS

9770+90 | OH-LC-037.0000 888 FT. 53.8 RODS | 9779+78 | OH-LC-038.0000 319 FT. 19.3 RODS | 9782+97 | OH-LC-039.0000 34 FT. 2.1 RODS | 9783+31 | OH-LC-040.0000-RD 42 FT. 2.5 RODS | 9783+73 | OH-LC-041.0000 1302 FT. 78.9 RODS | 9795+75 | OH-LC-042.0000 1325 FT. 80.3 RODS | 9810+00 | OH-LC-043.0000 1090 FT. 66.1 RODS | 9820+90

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9774+74 PI – 59°59'59" RT
STA. 9775+43 POWERLINE (SCALED)
STA. 9776+00 POWERLINE CLEARANCE 32 FT.
STA. 9776+84 PI – 44°59'59" LT

STA. 9781+21 PI – 63°43'3" LT
STA. 9782+77 TOP BANK

STA. 9783+11 TOP BANK
STA. 9783+33 TOP BANK
STA. 9783+34 ROAD EDGE
STA. 9783+42 ROAD EDGE
STA. 9783+52 PAVED, HELLER RD CENTERLINE
STA. 9783+62 FENCE
STA. 9783+71 TOP BANK
STA. 9783+85 TOE BANK
STA. 9783+85 POWERLINE (SCALED)
STA. 9783+85 ROAD EDGE
STA. 9783+99 ROAD EDGE (SCALED, NONE CENTERLINE
STA. 9784+42 TOWER, 273 FT. LEFT

STA. 9791+98 TOWER, 393 FT. LEFT

STA. 9810+05 PI – 2°23'6" LT

STA. 9813+10 PI – 22°23'59" RT

CLASS LOCATION

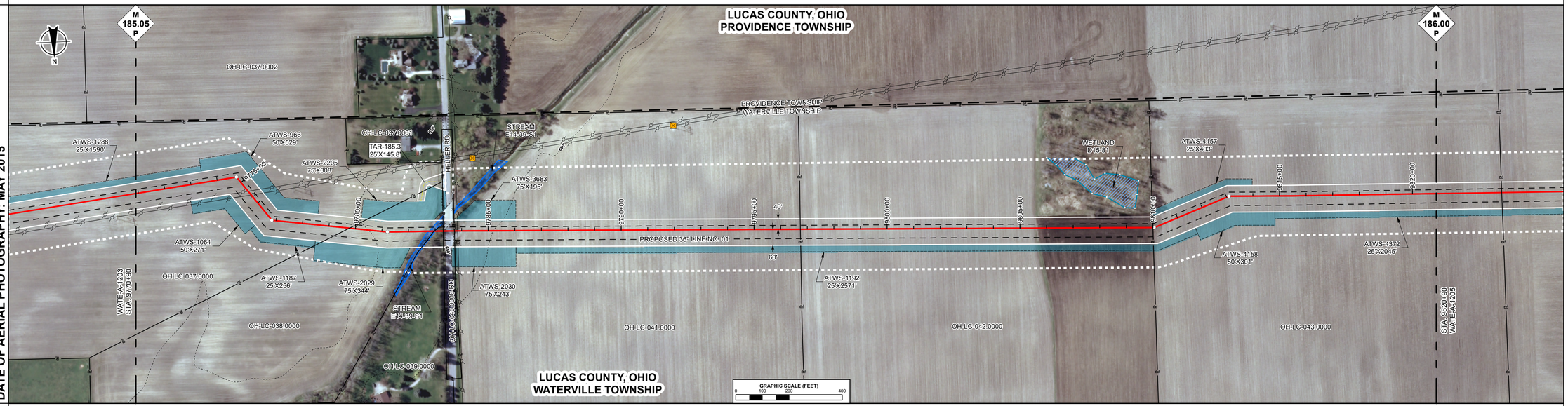
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9782+35 STREAM HARRIS DITCH E14-39-S1 ENTER

STA. 9783+42 STREAM HARRIS DITCH E14-39-S1 EXIT

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

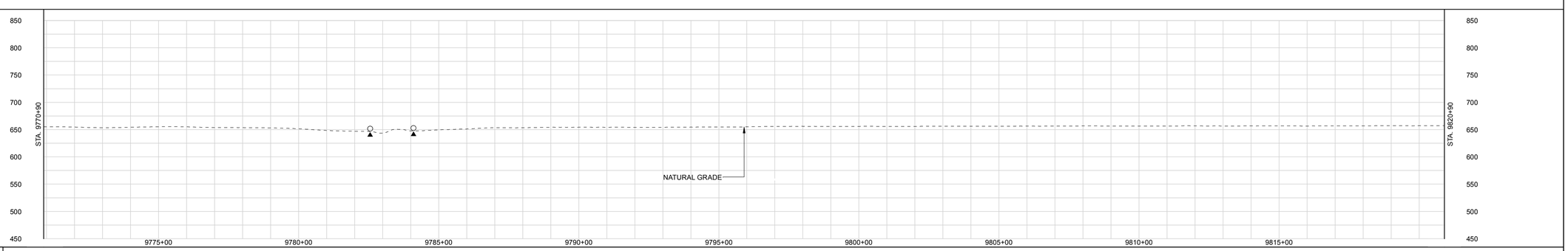
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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	OL	OPEN LAND	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	OW	OPEN WATER

SOILS										
LAND USE	AG			F/W	OW	F/W	I/C	AG		
% SLOPE	< 5%			5-15%				< 5%		

DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION
REFERENCE DRAWINGS		REVISIONS			
		0B			ISSUED FOR FERC FILING (11/2015)
		0A			ISSUED FOR FERC FILING (11/2015)
		0			ISSUED FOR FERC FILING (11/2015)

ITEM	DESCRIPTION	QTY
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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

WATE - WILL
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	WATE-A-1204	REV. 0B

IG.#

P:\205_UPSTREAM_PIPELINE\206K_OST\ArbRotate NEXUS PROPOSED MAINLINE PIPELINE 293 of 278.pdf - PLOT TIME: 2015-09-17 10:40:36

RIGHT-OF-WAY

TRACT NUMBERS

9820+90	OH-LC-043.0000	9823+36	OH-LC-044.0000	9835+21	OH-LC-045.0000-RD	9838+73	OH-LC-046.0000	9850+01	OH-LC-047.0000	9853+34	OH-LC-048.0000	9863+52	OH-LC-049.0000	9870+90
	246 FT. 14.9 RODS		1285 FT. 77.9 RODS		52 FT. 3.2 RODS		1328 FT. 80.5 RODS		333 FT. 20.2 RODS		1058 FT. 64.1 RODS		698 FT. 42.3 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9836+30 TOE BANK
STA. 9836+35 TOP BANK
STA. 9836+40 ROAD EDGE
STA. 9838+51 MUNICIPALITY LINE
STA. 9836+52 PAVED, SH 295 CENTERLINE
STA. 9836+62 ROAD EDGE
STA. 9836+64 TOP BANK
STA. 9836+71 TOE BANK

STA. 9841+15 P.I. - 18°36'18" LT

STA. 9852+97 TOP BANK
STA. 9852+97 DITCH DEPTH UNK FT. CENTERLINE
STA. 9853+28 TOP BANK

CLASS LOCATION

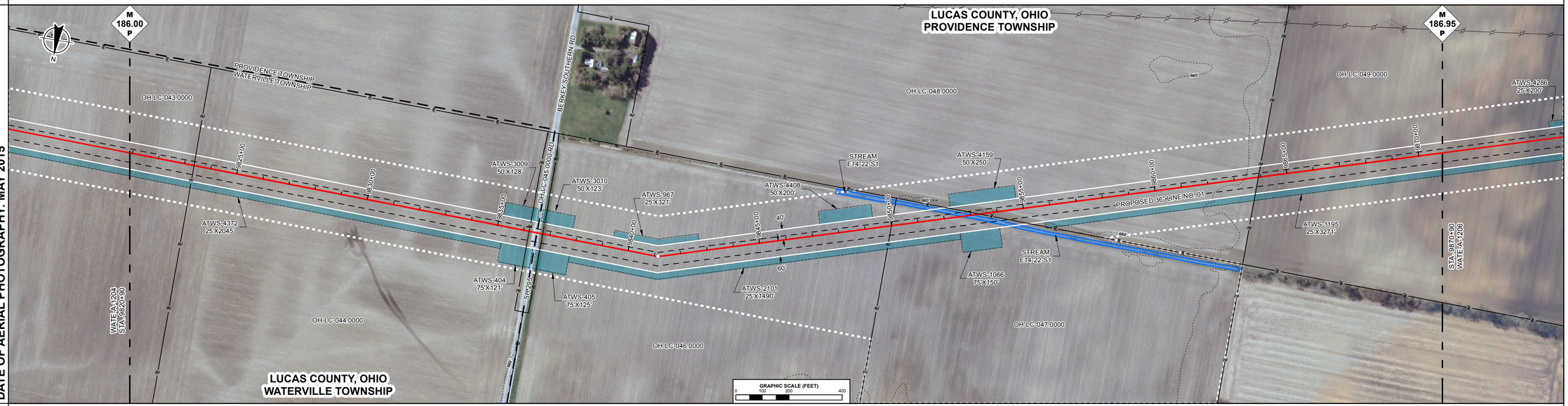
Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



STA. 9851+50 STREAM TRIBUTARY TO RUHM DITCH E14-22-S1 ENTER

STA. 9854+76 STREAM TRIBUTARY TO RUHM DITCH E14-22-S1 EXIT

ENVIRONMENTAL DATA

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

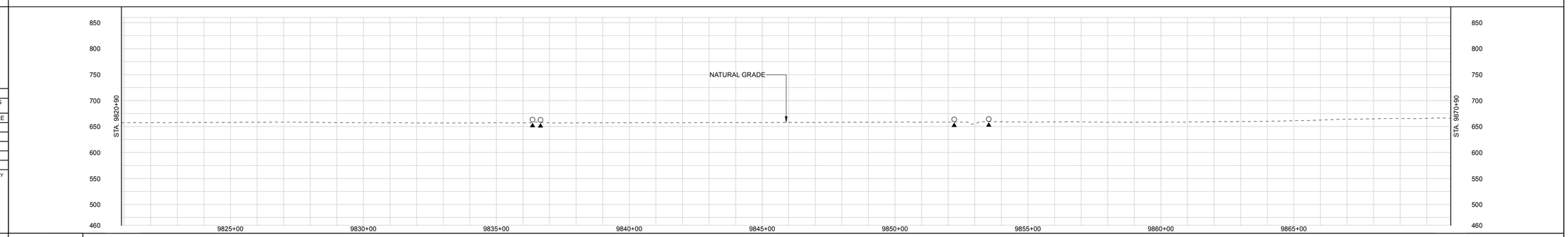
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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	OL	OPEN LAND	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	OW	OPEN WATER

SOILS																			
LAND USE		AG							I/C	OL	AG						OW	AG	
% SLOPE		< 5%															5-15%	< 5%	

			0A				ISSUED FOR FERC FILING (11/2015)
			0				ISSUED FOR FERC FILING (11/2015)
DWG. NO.	DESCRIPTION	REV	DSN	CK	DESCRIPTION	ITEM	DESCRIPTION	QTY
REFERENCE DRAWINGS		REVISIONS				MATERIALS		

GENERAL NOTES:

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

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

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

WATE - WILL
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	WATE-A-1205	REV. 0A

P:\295_UPSTREAM_PIPELINE\295K_GIS\ToBeRouted\ NEXUS PROPOSED MAINLINE PIPELINE 295 of 278.pdf - PLOT TIME: 2015-09-17 10:42:22

IG.#

RIGHT-OF-WAY

TRACT NUMBERS

9870+90	OH-LC-049.0000	9877+90	OH-LC-050.0000	9890+64	OH-LC-051.0000-RD	9890+94	OH-LC-052.0000	9904+45	OH-LC-053.0000	9918+33	OH-LC-054.0000-RD	9918+61	OH-LC-055.0000	9920+90
	660 FT. 40.0 RODS		1314 FT. 79.6 RODS		30 FT. 1.8 RODS		1351 FT. 81.9 RODS		1388 FT. 84.1 RODS		28 FT. 1.7 RODS		229 FT. 13.9 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9870+98 PI – 11°23'4" RT

STA. 9880+37 TOP BANK
STA. 9880+47 DITCH DEPTH
UNK FT, CENTERLINE
STA. 9880+67 TOP BANK
STA. 9880+69 ROAD EDGE
STA. 9880+77 PAVED
YAWBERG RD
CR111 E15-1 S1
STA. 9880+88 ROAD EDGE
STA. 9880+99 POWERLINE,
CLEARANCE 31 FT.

STA. 9897+71 TOP BANK
STA. 9897+81 DITCH DEPTH
UNK FT, CENTERLINE
STA. 9897+91 TOP BANK

STA. 9900+36 PI – 17°32'3" LT

STA. 9909+98 TOP BANK
STA. 9910+07 DITCH DEPTH
1.0 FT, CENTERLINE
STA. 9910+71 TOP BANK

STA. 9912+35 PI – 7°53'42" RT

STA. 9916+30 PI – 9°36'31" RT

STA. 9918+35 TOE BANK
STA. 9918+35 CULVERT
STA. 9918+49 TOP BANK
STA. 9918+60 ROAD EDGE
STA. 9918+60 PAVED, CR 111
CENTERLINE
STA. 9918+70 ROAD EDGE
STA. 9918+72 TOP BANK
STA. 9918+82 TOE BANK
STA. 9918+89 POWERLINE,
CLEARANCE 21 FT.

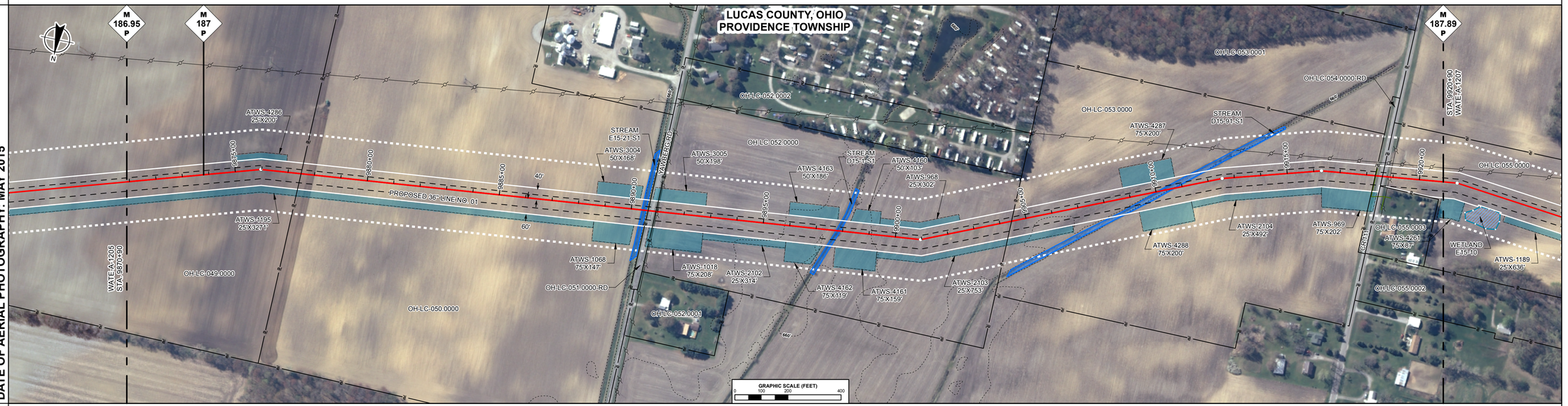
CLASS LOCATION	Class 1	Class 3	Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE
- RAILROAD TRACK
- TELEPHONE LINE
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS, WATER, OIL, UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9890+34 STREAM DORAN DITCH E15-21-S1 ENTER
STA. 9890+48 STREAM DORAN DITCH E15-21-S1 EXIT

STA. 9897+47 STREAM YAWBERG DITCH D15-1-S1 ENTER
STA. 9897+68 STREAM YAWBERG DITCH D15-1-S1 EXIT

STA. 9908+16 STREAM JEFFERS DITCH D15-91-S1 ENTER

STA. 9911+99 STREAM JEFFERS DITCH D15-91-S1 EXIT

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

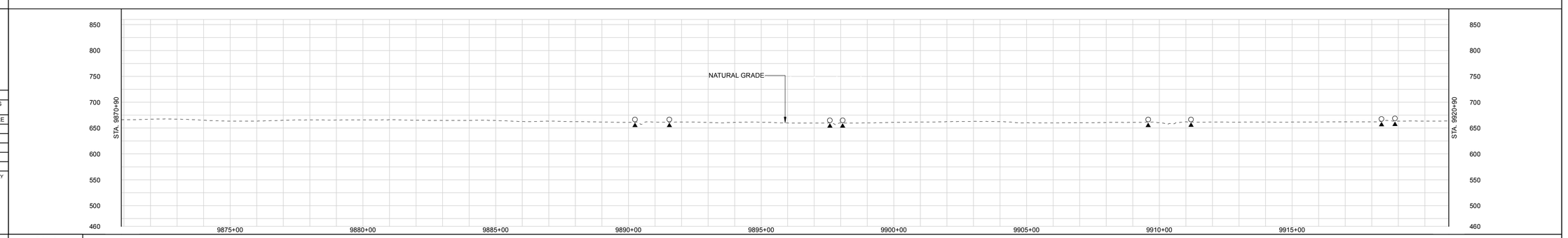
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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 | OL OPEN LAND | I/C INDUSTRIAL/COMMERCIAL
F/W FOREST/WOODLAND | R RESIDENTIAL | OW OPEN WATER

SOILS																				
LAND USE		AG				OW	OL	I/C	AG			OW		AG			OW	AG		OL	I/C	AG
% SLOPE		< 5%					5-15%							< 5%								

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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

REV	DSN	CK	DESCRIPTION
0A			ISSUED FOR FERC FILING (11/2015)
0			ISSUED FOR FERC FILING (11/2015)

DWG. NO.	DESCRIPTION

REFERENCE DRAWINGS | REVISIONS | MATERIALS

ITEM	DESCRIPTION	QTY

WATE - WILL
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	WATE-A-1206	REV. 0A

IG.#

P:\295_UPSTREAM_PIPELINE\295K_OST\ArbRoot\In NEXUS PROPOSED MAINLINE PIPELINE 295 of 278.pdf - PLOT TIME: 2015-09-17 10:44:15

RIGHT-OF-WAY

TRACT NUMBERS

9920+90 | OH-LC-055.0000 1109 FT. 67.2 RODS | 9931+99 | OH-LC-056.0000 1327 FT. 80.4 RODS | 9945+26 | OH-LC-057.0000-RD 26 FT. 1.6 RODS | 9945+52 | OH-LC-058.0000 1229 FT. 74.5 RODS | 9957+81 | OH-LC-059.0000 82 FT. 5.0 RODS | 9958+63 | OH-LC-060.0000 1227 FT. 74.4 RODS | 9970+90

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 9921+43 PI – 12°52'36" RT

STA. 9932+46 TOP BANK
STA. 9932+65 DITCH DEPTH 1.0 FT. CENTERLINE
STA. 9932+80 TOP BANK

STA. 9945+13 POWERLINE CLEARANCE 16 FT.
STA. 9945+15 TOP BANK
STA. 9945+20 DITCH DEPTH 0 FT. CENTERLINE
STA. 9945+26 TOP BANK
STA. 9945+39 PAVED EDGE
STA. 9945+39 PAVED, MANORE RD CENTERLINE
STA. 9945+40 PAVED EDGE
STA. 9945+51 TOP BANK
STA. 9945+63 TOE BANK

STA. 9962+29 PI – 18°17'16" LT

CLASS LOCATION

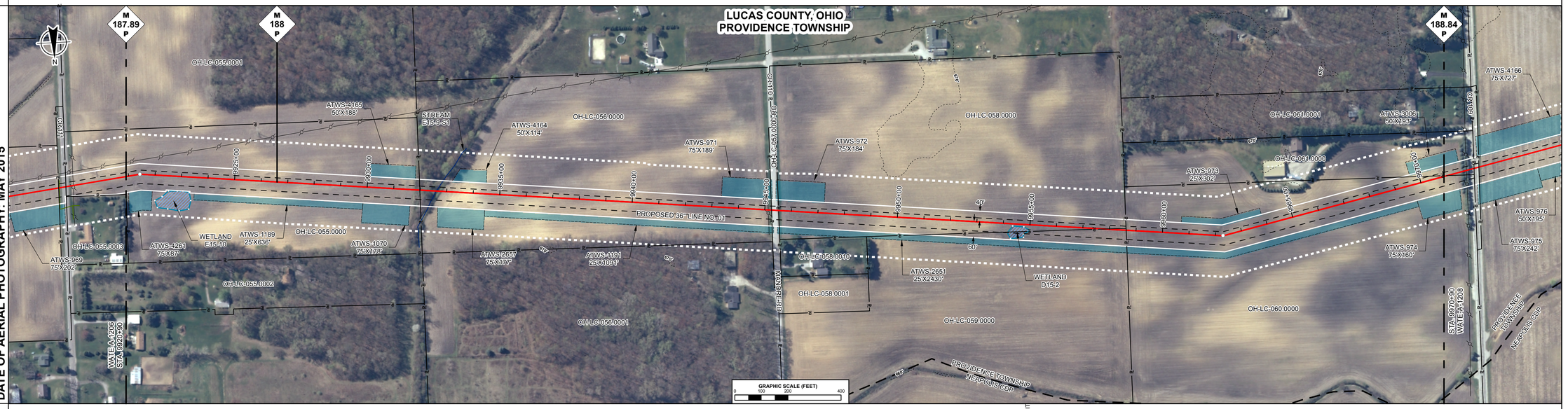
Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST (M 0.0 P)
- PROPOSED NEXUS PIPELINE
- INTERCONNECTING PIPELINE TO TGP
- CONSTRUCTION LIMIT
- STUDY CORRIDOR
- STAGING AREA
- WAREYARD
- PERMANENT ROW
- ADDITIONAL TEMPORARY WORKSPACE
- METERING & REGULATION STATION (M&R) SITE
- COMPRESSOR STATION SITE
- 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)
- PROPERTY LINE
- CONTOUR (120')
- MUNICIPALITY LINE
- FENCE
- FOREIGN PIPELINE
- POWERLINE
- WATER PIPELINE (W)
- RAILROAD TRACK
- TELEPHONE LINE (T)
- TEE TAP
- UTILITY LINES
- BLOW OFF VALVE
- MAINLINE VALVE (MLV)
- TOWER
- MICROWAVE TOWER
- HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
- TANK
- LIGHT POLE
- FIRE HYDRANT
- WELL: GAS
- WATER
- OIL
- UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 9932+62 CENTERLINE OF STREAM E15-9-S1 LAVER DITCH

STA. 9954+17 WETLAND D15-2 ENTER

STA. 9955+03 WETLAND D15-2 EXIT

E & S TYPICALS

E&S TYPICALS WILL BE USED AS A PLAN AND WILL HAVE FURTHER INPUT FROM ENVIRONMENTAL INSPECTOR.

PROFILE

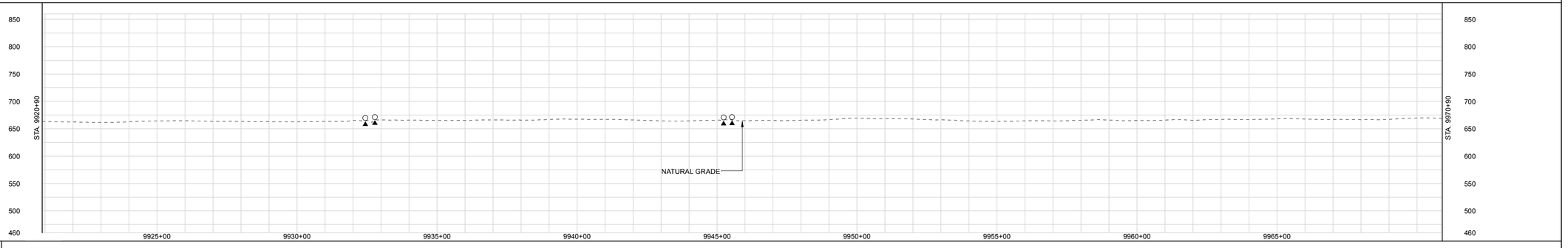
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

SLOPE BREAKERS ○
TRENCH PLUG ▲

PERMANENT SLOPE BREAKER & TRENCH PLUG SPACING

%SLOPE	SLOPE BREAKER SPACING (FT)	%SLOPE	TRENCH PLUG SPACING (FT)
5-15%	300 FT	< 5%	NO STRUCTURE
15-30%	200 FT	5-15%	300 FT
> 30%	100 FT	15-30%	200 FT
		> 30%	100 FT

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	OL	OPEN LAND	I/C	INDUSTRIAL/COMMERCIAL
F/W	FOREST/WOODLAND	R	RESIDENTIAL	OW	OPEN WATER

SOILS																			
LAND USE		AG				F/W	OW	AG						OL	I/C	AG			
% SLOPE		< 5%																	

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 207 of 278.pdf - PLOT TIME: 2015-09-16 09:37:20

IG.#

DWG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV	DSN	CK	DESCRIPTION
0A			ISSUED FOR FERC FILING (11/2015)
0			ISSUED FOR FERC FILING (11/2015)
REVISIONS			

ITEM	DESCRIPTION	QTY
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	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

WATE - WILL
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. LUCAS COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	WATE-A-1207	REV. 0A