RIGHT-OF-WAY TRACT NUMBERS	OH-ST-121.0000 89 FT. 5.4 RODS (1568+06 – 1568+95)	OH-ST-122.0000 998 FT. 60.5 RODS (– 1578+93)	OH-ST-123.0000 1824 FT. 110.5 RODS (– 1597+17)	OH-ST-124.0000 350 FT. 21.2 RODS (– 1600+67)	OH-ST-125.0000-RD 43 FT. 2.6 RODS (– 1601+10)	OH-ST-126.0000 1696 FT. 102.8 RODS (– 1618+06)

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1568+83 PI – 45°0'0" LT
STA. 1571+21 POWERLINE (LIDAR)
STA. 1571+32 POWERLINE (SCALED)
STA. 1573+38 PI – 60°0'0" RT
STA. 1580+34 PI – 16°4'24" LT
STA. 1588+45 PI – 30°0'0" RT
STA. 1591+84 PI – 44°59'59" RT
STA. 1595+89 PI – 29°59'59" LT
STA. 1597+17 FENCE
STA. 1597+25 DITCH, DEPTH 0.2 FT. CENTERLINE
STA. 1598+31 PI – 22°29'58" LT
STA. 1600+55 POWERLINE, CLEARANCE 20 FT.
STA. 1600+72 ROAD EDGE
STA. 1600+86 PAVED, MARKET AVE N CENTERLINE
STA. 1600+99 ROAD EDGE

CLASS LOCATION

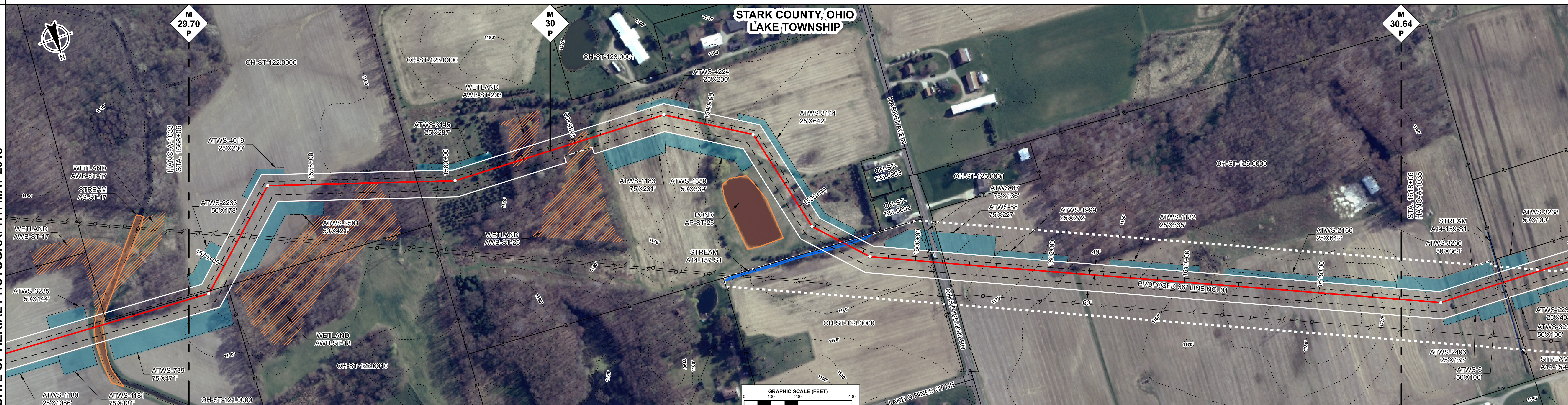
Class 1 | Class 2 | Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST
- 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. 1576+40 WETLAND AWB-ST-18 ENTER
STA. 1577+84 WETLAND AWB-ST-18 EXIT
STA. 1582+54 WETLAND AWB-ST-203 ENTER
STA. 1583+55 WETLAND AWB-ST-203 EXIT
STA. 1584+61 WETLAND AWB-ST-26 ENTER
STA. 1585+55 WETLAND AWB-ST-26 EXIT
STA. 1596+61 STREAM TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK A14-157-S1 ENTER
STA. 1597+75 STREAM TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK A14-157-S1 EXIT

E & S TYPICALS

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

PROFILE

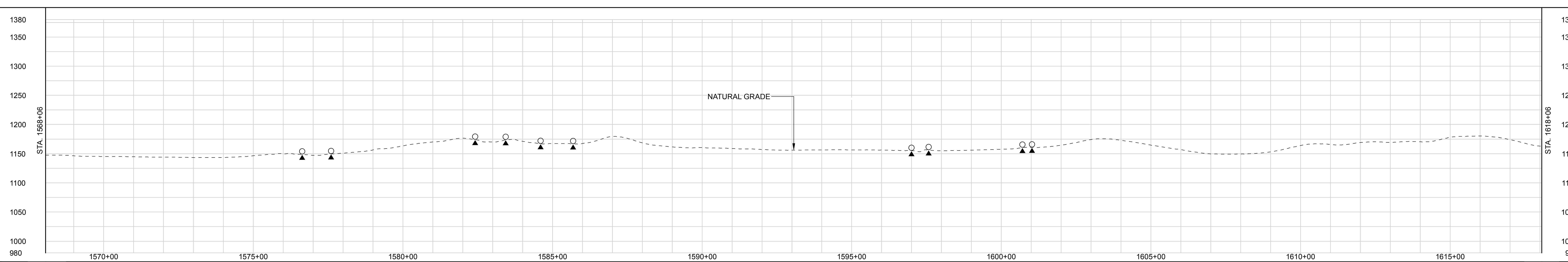
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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 | OL | F/W | OL | AG | OL | AG | OL | OW | AG | I/C | AG

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1034 | REV. 0A

IG #

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 034 of 278.pdf - PLOT TIME: 2015-09-14 11:08:33

RIGHT-OF-WAY

TRACT NUMBERS

1618+06 – 1621+97	1621+97 – 1628+47	1628+47 – 1628+93	1628+93 – 1642+20	1642+20 – 1659+09	1659+09 – 1668+06
OH-ST-126.0000	OH-ST-127.0000	OH-ST-128.0000-RD	OH-ST-129.0000	OH-ST-130.0000	OH-ST-131.0000
391 FT.	650 FT.	46 FT.	1327 FT.	1689 FT.	897 FT.
23.7 RODS	39.4 RODS	2.8 RODS	80.4 RODS	102.4 RODS	54.4 RODS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1619+53 PI – 22°29'59" LT

STA. 1627+53 TANK BATTERY PAD, 360 FT. RIGHT
STA. 1627+97 TANK BATTERY PAD, 303 FT. RIGHT
STA. 1628+59 ROAD EDGE
STA. 1628+69 PAVED COBLENTZ AVE NW CENTERLINE
STA. 1628+80 ROAD EDGE

STA. 1631+32 PI – 44°59'39" RT

STA. 1632+52 TOP BANK
STA. 1632+63 TOE BANK
STA. 1632+75 TOE BANK
STA. 1632+84 TOP BANK

STA. 1640+69 PI – 6°56'54" RT

STA. 1642+27 PI – 30°0'0" LT

STA. 1647+09 PI – 11°59'58" LT

STA. 1660+73 PI – 22°29'39" RT

STA. 1667+42 FENCE
STA. 1667+52 TOP BANK
STA. 1667+71 DITCH, DEPTH 1.0 FT CENTERLINE
STA. 1667+83 TOP BANK
STA. 1668+01 ROAD EDGE

CLASS LOCATION

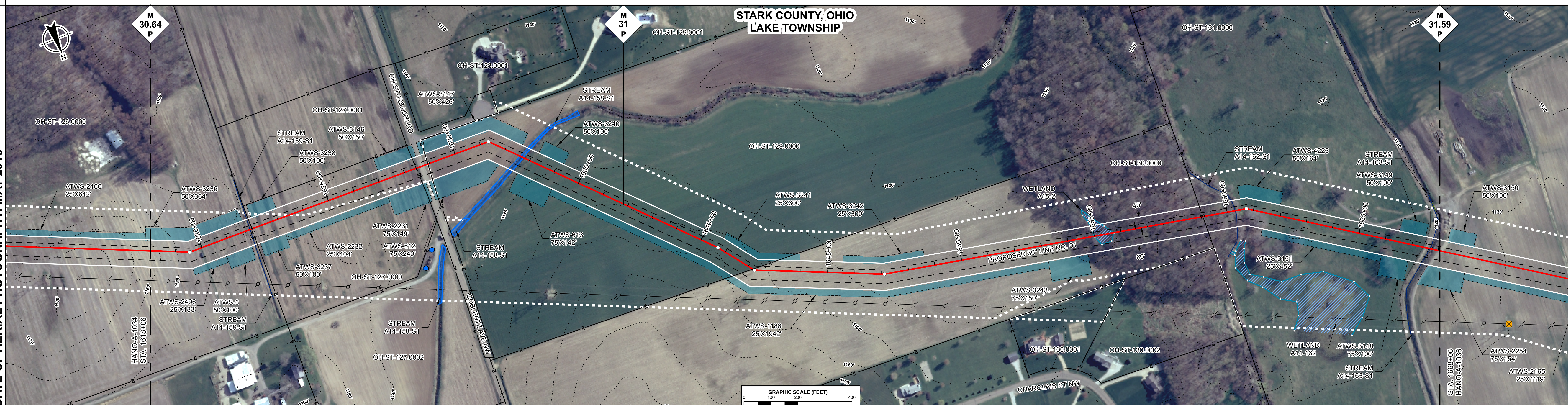
Class 1 | Class 2 | Class 1

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1621+90 CENTERLINE OF STREAM A14-159-S1 TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK

STA. 1632+42 STREAM TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK A14-158-S1 ENTER
STA. 1632+84 STREAM TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK A14-158-S1 EXIT

STA. 1654+91 WETLAND A15-2 ENTER
STA. 1655+74 WETLAND A15-2 EXIT

STA. 1660+31 CENTERLINE OF STREAM A14-162-S1 TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK

STA. 1667+69 CENTERLINE OF STREAM A14-163-S1 TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK

E & S TYPICALS

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

PROFILE

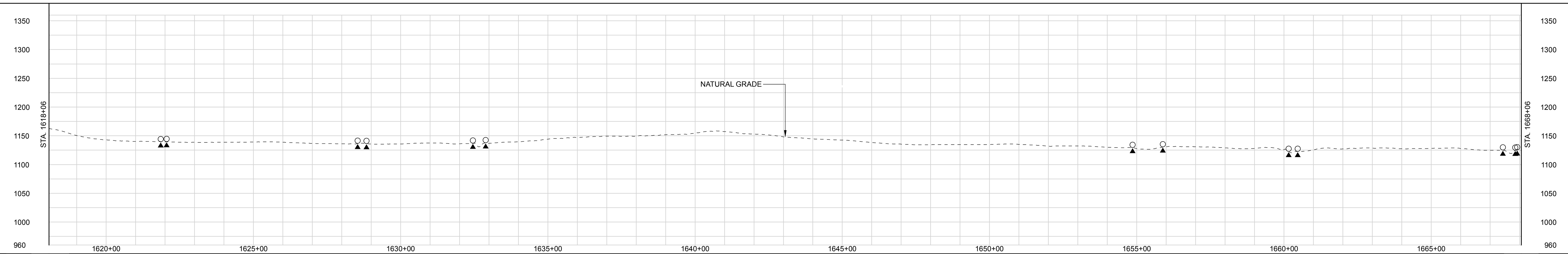
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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 | I/C | AG | OL | OW | OL | AG | F/W | OW | OL | OW | OL

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1035 | REV. 0A

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\NEXUS PROPOSED MAINLINE PIPELINE 035 of 278.pdf -- PLOT TIME: 2015-09-14 13:08:03

IG #

RIGHT-OF-WAY

TRACT NUMBERS

1668+06	**OH-ST-131.0000** 1493 FT. 90.5 RODS	1682+99 – 1683+44	**OH-ST-132.0000-RD** 45 FT. 2.7 RODS	**OH-ST-133.0000** 1122 FT. 68.0 RODS – 1694+66

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1668+15 ROAD EDGE

STA. 1671+14 TOWER, 210 FT. RIGHT

STA. 1672+98 ROAD EDGE
STA. 1673+05 DIRT, NONE CENTERLINE
STA. 1673+12 ROAD EDGE

STA. 1676+82 PI ~ 60°0'0" RT
STA. 1677+64 POWERLINE, CLEARANCE 57 FT.
STA. 1677+95 POWERLINE, CLEARANCE 57 FT.
STA. 1678+23 POWERLINE, CLEARANCE 57 FT.
STA. 1678+52 TOWER, 165 FT. LEFT

STA. 1681+60 PI ~ 45°0'0" LT

STA. 1683+10 ROAD EDGE
STA. 1683+27 PAVED, MIDWAY ST NW CENTERLINE
STA. 1683+43 ROAD EDGE
STA. 1683+51 POWERLINE, CLEARANCE 16 FT.

STA. 1686+82 PI ~ 44°59'59" LT

STA. 1688+42 TOP BANK
STA. 1688+49 TOE BANK
STA. 1688+53 DITCH, DEPTH 1.0 FT. CENTERLINE
STA. 1688+63 TOE BANK
STA. 1688+73 TOP BANK

CLASS LOCATION

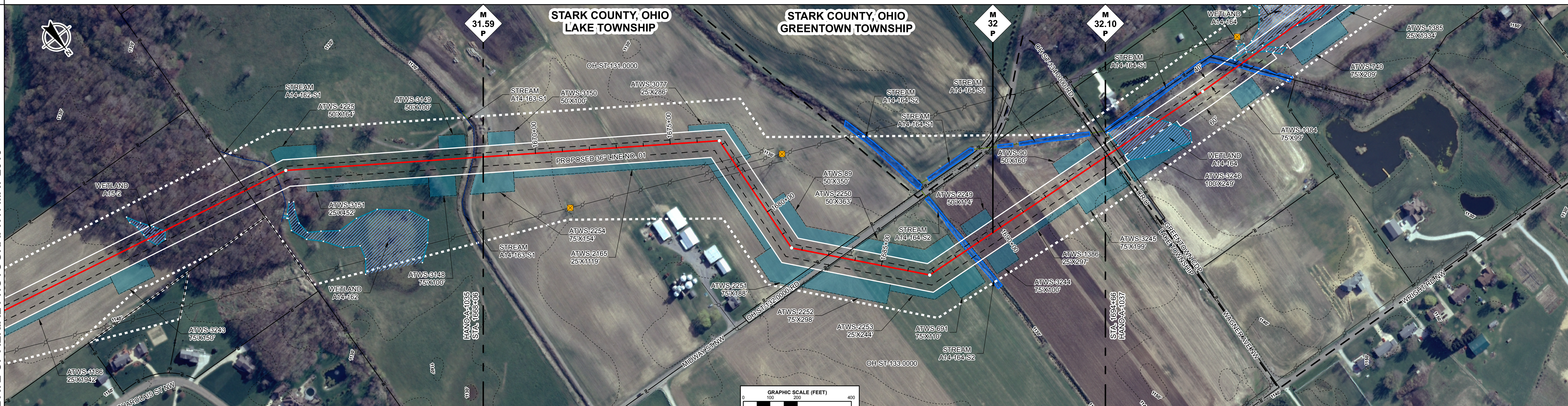
Class 1 | Class 3

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. 1688+43 STREAM WEST BRANCH NIMISHILLEN CREEK A14-164-S2 ENTER
STA. 1688+71 STREAM WEST BRANCH NIMISHILLEN CREEK A14-164-S2 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

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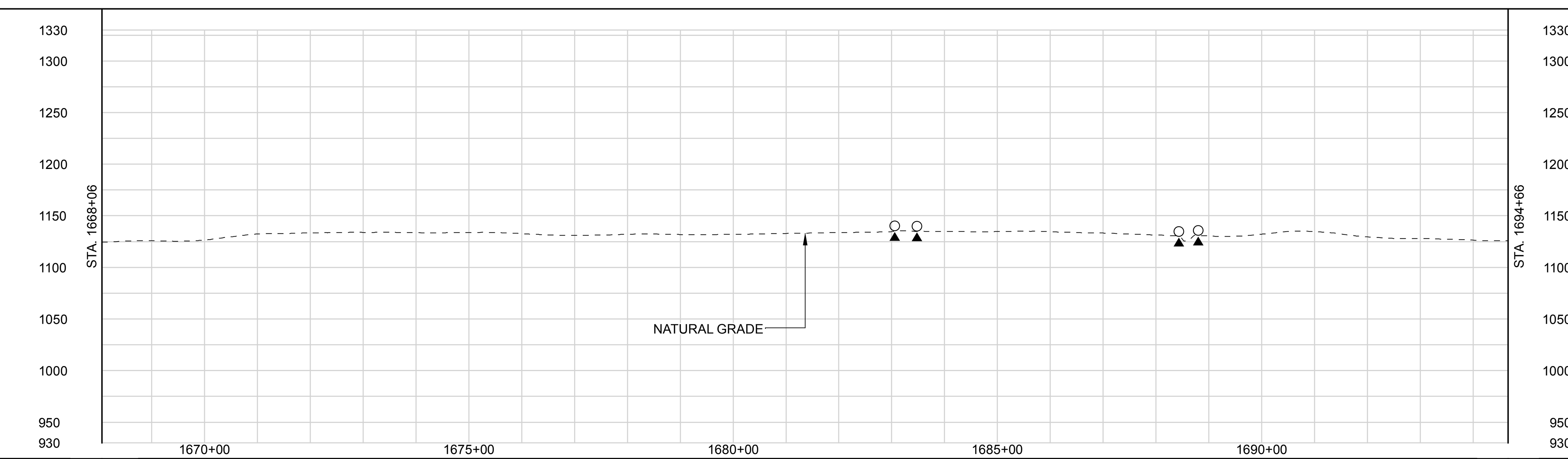

LAND USE CLASSIFICATION

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

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

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017	W.B.S.	Scale 1" = 200'	HANO-A-1036	REV. 0A

IG #

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RIGHT-OF-WAY

TRACT NUMBERS

OH-ST-133.0000	OH-ST-134.0000-RD	OH-ST-135.0000	OH-ST-136.0000	OH-ST-137.0000	OH-ST-139.0000	OH-ST-141.0000	OH-ST-143.0000	OH-ST-144.0000	OH-ST-146.0000
10 FT.	38 FT.	552 FT.	2245 FT.	91 FT.	180 FT.	90 FT.	99 FT.	64 FT.	40 FT.
0.6 RODS	2.3 RODS	33.5 RODS	136.1 RODS	5.5 RODS	10.9 RODS	5.5 RODS	6.0 RODS	3.9 RODS	2.4 RODS

1694+66, 1694+77, 1695+15, 1700+67, 1723+12, 1724+03, 1725+83, 1726+73, 1727+72, 1728+36, 1728+76

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1694+78 POWERLINE, CLEARANCE 18 FT.
STA. 1694+83 ROAD EDGE
STA. 1694+92 MUNICIPALITY LINE
STA. 1694+93 PAVED, CR U CENTERLINE
STA. 1695+03 ROAD EDGE
STA. 1698+99 PI – 1°37'18" LT
STA. 1700+42 TOP BANK
STA. 1700+85 TOP BANK
STA. 1701+21 TOWER, 90 FT. LEFT
STA. 1709+18 TOWER, 93 FT. LEFT
STA. 1717+45 TOWER, 95 FT. LEFT
STA. 1719+74 PI – 59°59'59" LT
STA. 1720+84 POWERLINE, CLEARANCE 45 FT.
STA. 1721+38 H-301 FIRE HYDRANT, 229 FT. RIGHT
STA. 1722+78 MLV-2
STA. 1723+45 PI – 59°59'59" RT
STA. 1727+37 PI – 60°0'0" RT
STA. 1728+76 TOWER, 118 FT. RIGHT

CLASS LOCATION

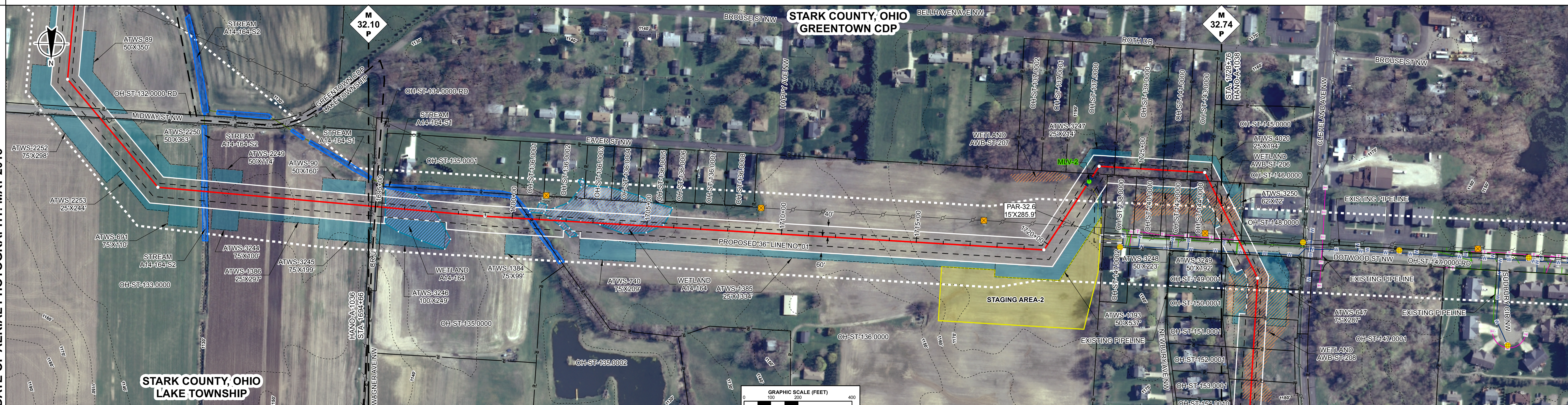
Class 3

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1695+26 WETLAND A14-164 ENTER
STA. 1697+59 WETLAND A14-164 EXIT
STA. 1700+20 STREAM TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK A14-164-S1 ENTER
STA. 1700+56 WETLAND A14-164 ENTER
STA. 1701+27 STREAM TRIBUTARY TO WEST BRANCH NIMISHILLEN CREEK A14-164-S1 EXIT
STA. 1705+78 WETLAND A14-164 EXIT
STA. 1725+39 WETLAND AWB-ST-206 ENTER

E & S TYPICALS

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

PROFILE

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SLOPE BREAKERS ○
TRENCH PLUG ▲

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		> 30%	100 FT

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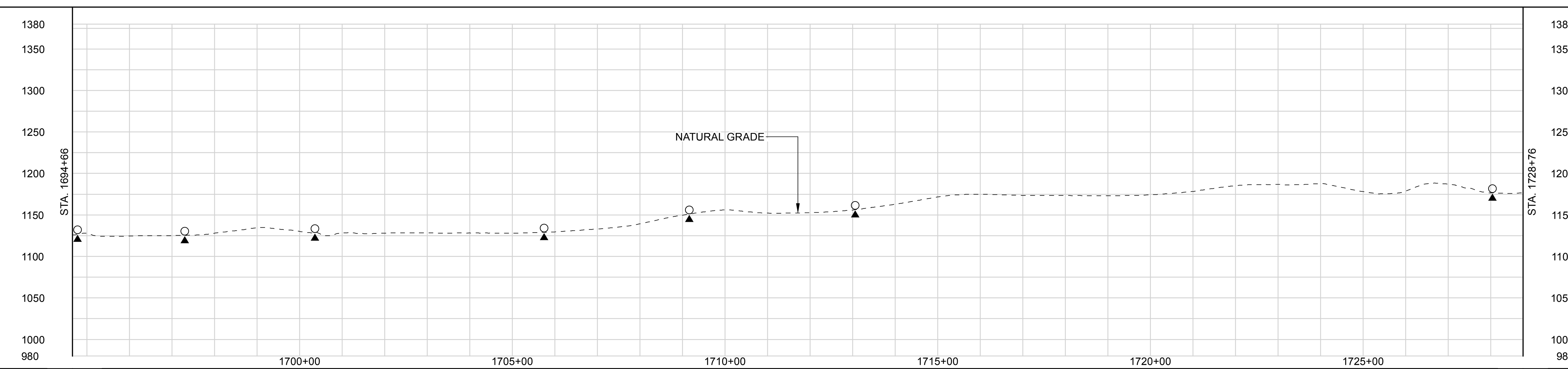

LAND USE CLASSIFICATION

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 | OL | OW | OL | AG | OL | AG | OL | AG | F/W | OL | F/W | OL | F/W

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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:

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

ENGINEERING APPROVALS

DRAWN BY:	BID		CONSTRUCTION	
NAME	SIGNATURE	DATE	SIGNATURE	DATE

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1037 | REV. 0B

IG #

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 007 of 278.pdf - PLOT TIME: 2015-09-11 15:13:49

RIGHT-OF-WAY TRACT NUMBERS

Tract	Start STA.	Length (FT.)	Length (RODS)	End STA.
OH-ST-146.0000	1728+76	143 FT.	8.7 RODS	1730+19
OH-ST-147.0000-RD	1730+19	58 FT.	3.5 RODS	1730+77
OH-ST-149.0000	1730+77	131 FT.	7.9 RODS	1732+08
OH-ST-150.0000	1732+08	113 FT.	6.8 RODS	1733+21
OH-ST-151.0000	1733+21	115 FT.	7.0 RODS	1734+36
OH-ST-152.0000	1734+36	118 FT.	7.2 RODS	1735+54
OH-ST-153.0000	1735+54	123 FT.	7.5 RODS	1736+77
OH-ST-154.0000	1736+77	125 FT.	7.6 RODS	1738+02
OH-ST-155.0000	1738+02	130 FT.	7.9 RODS	1739+32
OH-ST-156.0000	1739+32	216 FT.	13.1 RODS	1741+48
OH-ST-158.0000-RD	1741+48	60 FT.	3.6 RODS	1742+08
OH-ST-159.0000	1742+08	136 FT.	8.2 RODS	1743+44
OH-ST-160.0000	1743+44	124 FT.	7.5 RODS	1744+68
OH-ST-162.0000	1744+68	78 FT.	4.7 RODS	1745+46
OH-ST-163.0000	1745+46	107 FT.	6.5 RODS	1746+53
OH-ST-164.0000	1746+53	103 FT.	6.2 RODS	1747+56
OH-ST-165.0000	1747+56	102 FT.	6.2 RODS	1748+58
OH-ST-168.0000-RD	1748+58	80 FT.	4.8 RODS	1749+38
OH-ST-167.0000	1749+38	51 FT.	3.1 RODS	1749+89
OH-ST-169.0000	1749+89	96 FT.	5.8 RODS	1750+85
OH-ST-170.0000	1750+85	103 FT.	6.2 RODS	1751+88
OH-ST-168.0000-RD	1751+88	5 FT.	0.3 RODS	1751+93
OH-ST-171.0000-RD	1751+93	50 FT.	3.0 RODS	1752+43
OH-ST-168.0000-RD	1752+43	5 FT.	0.3 RODS	1752+48
OH-ST-172.0000	1752+48	227 FT.	13.8 RODS	1754+75
OH-ST-173.0000	1754+75	180 FT.	10.9 RODS	1756+55

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1728+76 H-381 FIRE HYDRANT, 406 FT. RIGHT
STA. 1729+39 TOWER, 100 FT. RIGHT
STA. 1729+97 POWERLINE (SCALED)
STA. 1730+17 UNDERGROUND POWER
STA. 1730+29 POWERLINE, CLEARANCE 47 FT.
STA. 1730+30 UNDERGROUND SAN SEWER
STA. 1730+33 ROAD EDGE
STA. 1730+48 PAVED, DOTWOOD ST NW CENTERLINE
STA. 1730+62 ROAD EDGE
STA. 1730+68 UNDERGROUND WATER
STA. 1730+77 GAS PL
STA. 1731+32 H-8 FIRE HYDRANT, 210 FT. LEFT
STA. 1731+74 PI ~ 30°0'0" RT
STA. 1731+75 H-214 FIRE HYDRANT, 535 FT. LEFT
STA. 1736+89 PI ~ 8°47'52" LT
STA. 1740+13 PI ~ 6°23'12" RT
STA. 1741+59 POWERLINE (SCALED)
STA. 1741+89 WRIGHT RD NW CENTERLINE (SCALED)
STA. 1743+12 PI ~ 44°59'59" LT
STA. 1747+27 PI ~ 22°29'59" RT
STA. 1747+82 PI ~ 10°42'40" RT
STA. 1748+22 PI ~ 90°0'0" LT
STA. 1748+65 POWERLINE (SCALED)
STA. 1748+97 MUNICIPALITY LINE
STA. 1749+01 CLEVELAND AVE NW CENTERLINE (SCALED)
STA. 1749+48 PI ~ 90°0'0" RT
STA. 1752+30 CROSBY ST NW CENTERLINE (SCALED)
STA. 1755+26 PI ~ 59°59'59" LT

CLASS LOCATION

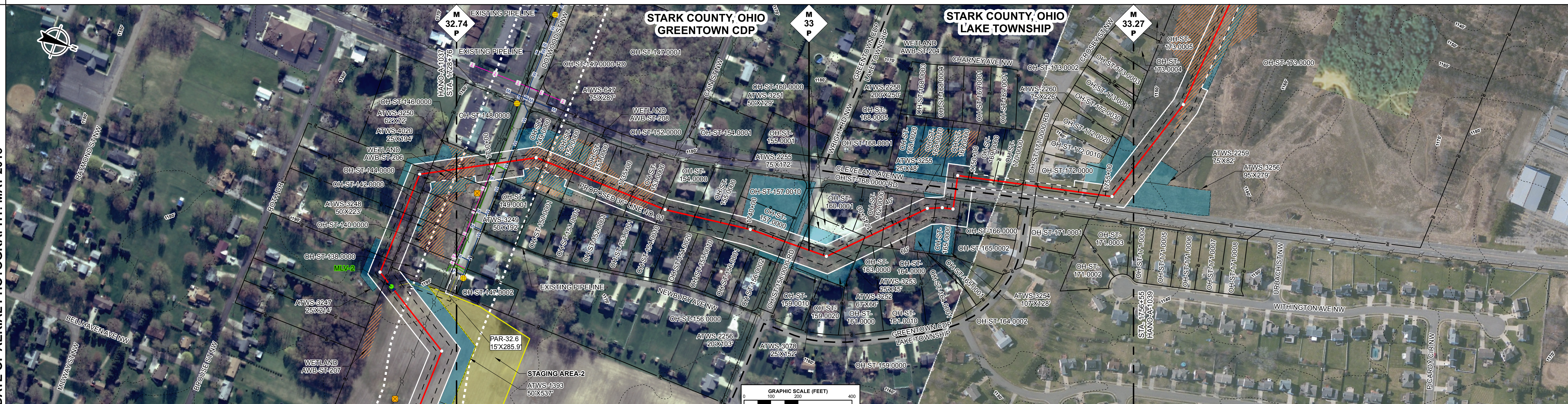
Class 3

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1729+49 WETLAND AWB-ST-206 EXIT
STA. 1731+08 WETLAND AWB-ST-208 ENTER
STA. 1736+29 WETLAND AWB-ST-208 EXIT
STA. 1747+27 WETLAND AWB-ST-204 ENTER
STA. 1749+69 WETLAND AWB-ST-204 EXIT

E & S TYPICALS

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

PROFILE

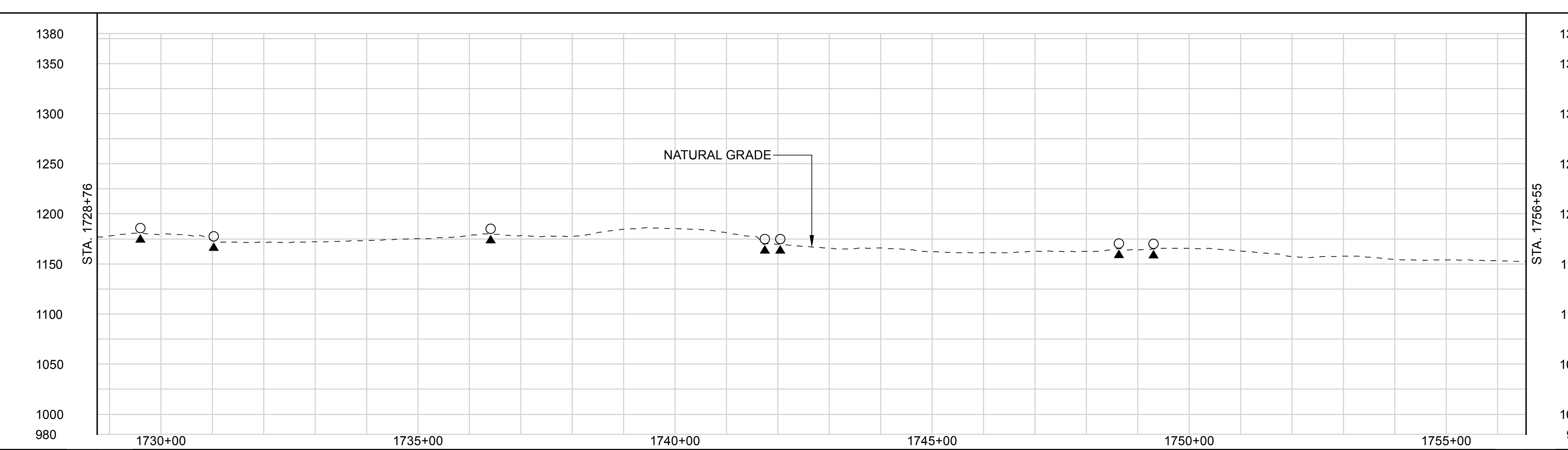
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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: F/W | OL | I/C | OL | F/W | OL | F/W | OL | I/C | OL | R | OL | I/C | OL | R | I/C | R | OL | F/W
% SLOPE: < 5% | 15-30% | < 5%

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

REVISIONS

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)

MATERIALS

ITEM	DESCRIPTION	QTY

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1038 | REV. 0B

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IG #

RIGHT-OF-WAY

TRACT NUMBERS

OH-ST-173.0000	OH-ST-175.0000	OH-ST-176.0000	OH-ST-177.0000	OH-ST-179.0000-RD	OH-ST-180.0000	OH-ST-181.0000
1328 FT.	662 FT.	1787 FT.	126 FT.	37 FT.	501 FT.	289 FT.
80.5 RODS	40.1 RODS	108.3 RODS	7.6 RODS	2.2 RODS	30.4 RODS	17.5 RODS

Stations: 1756+55, 1769+83, 1776+45, 1794+32, 1795+58, 1795+95, 1800+96, 1803+85

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1759+56 PI – 13°4'40" LT
STA. 1767+97 PI – 22°29'0" LT
STA. 1785+56 PI – 25°0'11" LT
STA. 1787+26 PI – 44°59'59" LT
STA. 1793+74 PI – 45°0'0" RT
STA. 1795+58 POWERLINE (SCALED)
STA. 1795+64 POWERLINE (SCALED)
STA. 1795+76 CAIN ST NW CENTERLINE (SCALED)
STA. 1795+77 MUNICIPALITY LINE
STA. 1796+88 PI – 45°0'0" RT

CLASS LOCATION

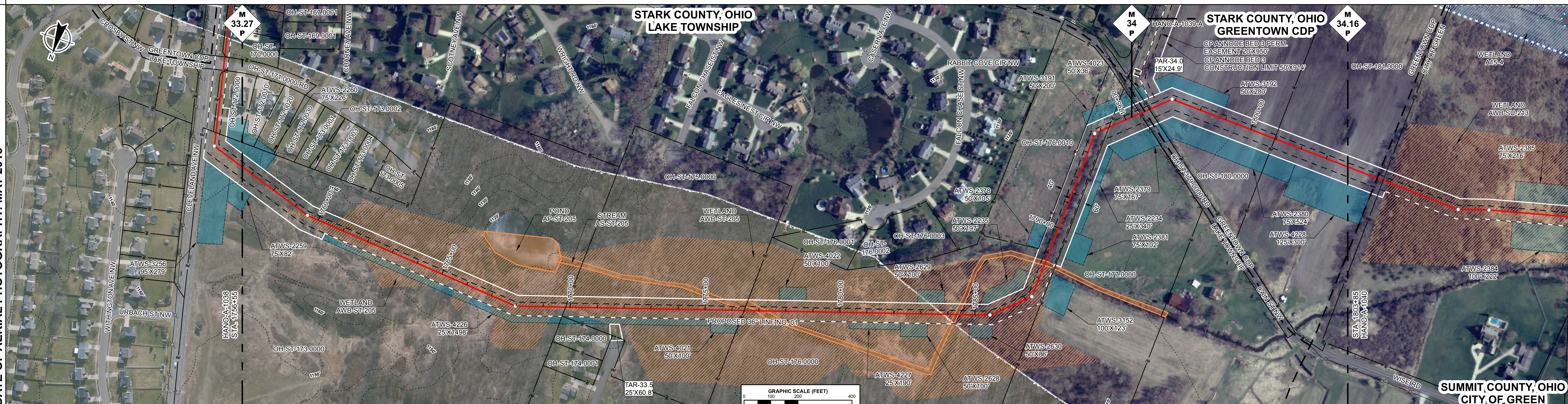
Class 3 | Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1758+33 WETLAND AWB-ST-205 ENTER
STA. 1775+30 STREAM TRIBUTARY TO TUSCARAWAS AS-ST-205 ENTER
STA. 1777+91 STREAM TRIBUTARY TO TUSCARAWAS AS-ST-205 EXIT
STA. 1784+08 STREAM TRIBUTARY TO TUSCARAWAS AS-ST-205 ENTER
STA. 1784+58 STREAM TRIBUTARY TO TUSCARAWAS AS-ST-205 EXIT
STA. 1788+48 STREAM TRIBUTARY TO TUSCARAWAS AS-ST-205 ENTER
STA. 1788+53 WETLAND AWB-ST-205 EXIT
STA. 1788+69 STREAM TRIBUTARY TO TUSCARAWAS AS-ST-205 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
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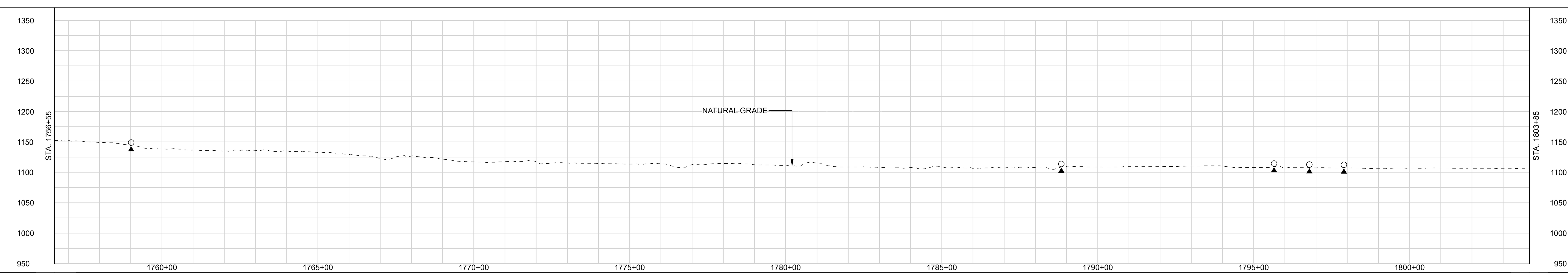
		> 30%	100 FT

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: F/W | OL | F/W | OL | F/W | OW | F/W | OL | F/W | OL | OW | F/W | OW | F/W | OL | I/C | AG

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1039 | REV. 0B

IG.#

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RIGHT-OF-WAY

TRACT NUMBERS

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

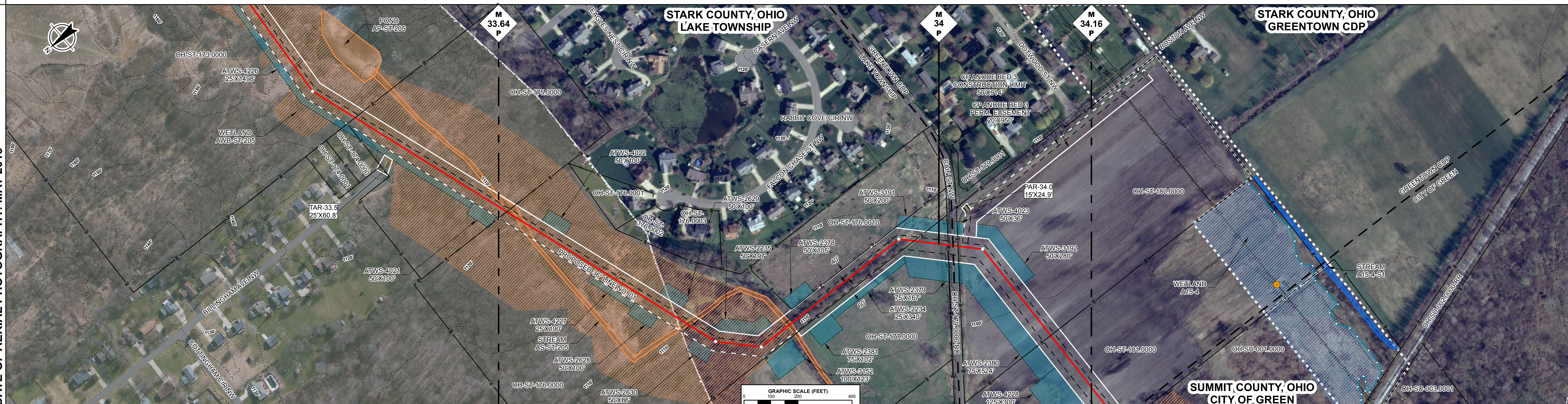
CLASS LOCATION

PIPE MATERIAL

ALIGNMENT LEGEND

- PIPELINE MILEPOST
- 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
% SLOPE

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 039-A of 278.pdf - PLOT TIME: 2015-09-15 16:45:17

IG #

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION
HANO-A-1039	ALIGNMENT SHEET

REVISIONS

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)

MATERIALS

ITEM	DESCRIPTION	QTY

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. STARK COUNTY, OHIO

NEXUS℠
GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1039-A | REV. 0B

RIGHT-OF-WAY

TRACT NUMBERS

OH-ST-181.0000	OH-SU-001.0000	OH-SU-002.0000-RR	OH-SU-003.0000	OH-SU-004.0000	OH-SU-005.0000	OH-SU-006.0000	OH-SU-007.0000	OH-SU-008.0000	OH-SU-009.0000	OH-SU-010.0000-RD
141 FT.	722 FT.	60 FT.	428 FT.	240 FT.	233 FT.	46 FT.	1103 FT.	287 FT.	1171 FT.	16 FT.
8.5 RODS	43.8 RODS	3.6 RODS	25.9 RODS	14.5 RODS	14.1 RODS	2.8 RODS	66.8 RODS	17.4 RODS	71.0 RODS	1.0 RODS

1803+85, 1805+26, 1812+48, 1813+08, 1817+36, 1819+76, 1822+09, 1822+55, 1833+58, 1836+45, 1848+16, 1848+32

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1805+02 MUNICIPALITY LINE
STA. 1808+24 PI – 19°59'49" LT
STA. 1809+38 PI – 3°43'44" RT
STA. 1812+84 RAILROAD CENTERLINE (SCALED)
STA. 1815+64 PI – 30°0'0" RT
STA. 1826+64 PI – 22°29'59" RT
STA. 1840+73 PI – 45°0'0" LT
STA. 1846+81 PI – 22°29'59" LT
STA. 1848+18 POWERLINE (SCALED)

CLASS LOCATION

Class 2 | Class 1 | Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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
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DELINEATED WATERBODY CENTERLINE
APPROXIMATE WETLAND BOUNDARY
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APPROXIMATE WATERBODY CENTERLINE
PERMANENT ACCESS ROAD PAR-0.0
TEMPORARY ACCESS ROAD TAR-0.0
PROPERTY LINE
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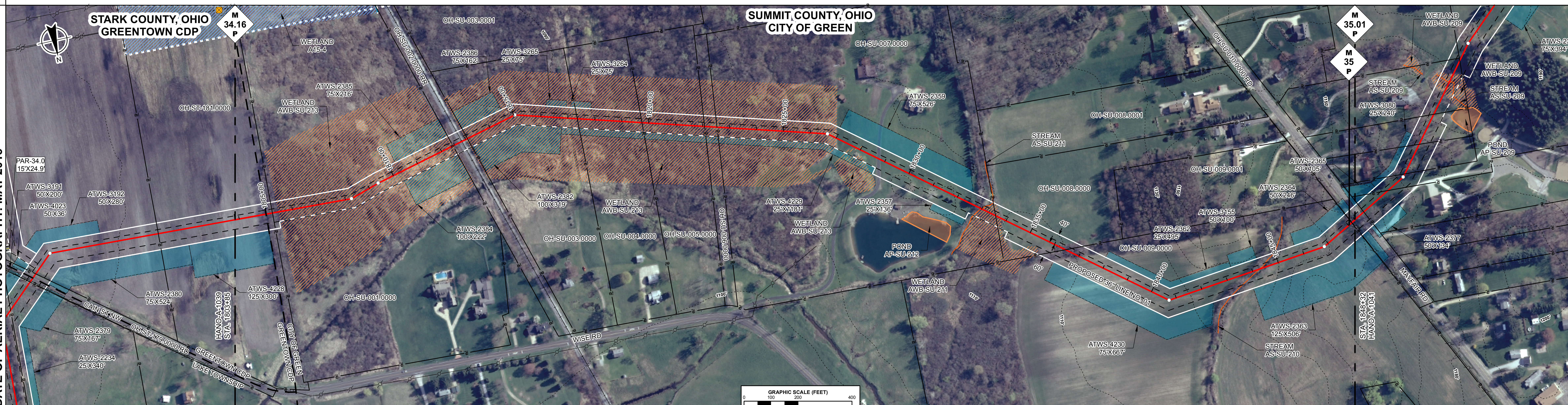
MUNICIPALITY LINE
FENCE
FOREIGN PIPELINE
POWERLINE
WATER PIPELINE
RAILROAD TRACK
TELEPHONE LINE
TEE TAP
UTILITY LINES
BLOW OFF VALVE
MAINLINE VALVE (MLV)
TOWER
MICROWAVE TOWER
HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
TANK
LIGHT POLE
FIRE HYDRANT
WELL: GAS WATER OIL UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 1805+46 WETLAND AWB-SU-213 ENTER
STA. 1812+53 WETLAND AWB-SU-213 EXIT
STA. 1813+00 WETLAND AWB-SU-213 ENTER
STA. 1827+18 WETLAND AWB-SU-213 EXIT
STA. 1827+42 WETLAND AWB-SU-213 ENTER
STA. 1828+72 WETLAND AWB-SU-213 EXIT
STA. 1832+82 WETLAND AWB-SU-211 ENTER
STA. 1833+09 CENTERLINE OF STREAM AS-SU-211 TRIBUTARY TO TUSCARAWAS RIVER
STA. 1834+01 WETLAND AWB-SU-211 EXIT
STA. 1835+05 WETLAND AWB-SU-211 ENTER
STA. 1835+68 WETLAND AWB-SU-211 EXIT
STA. 1844+28 CENTERLINE OF STREAM AS-SU-210 TRIBUTARY TO TUSCARAWAS 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)
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15-30%	200 FT	5-15%	300 FT
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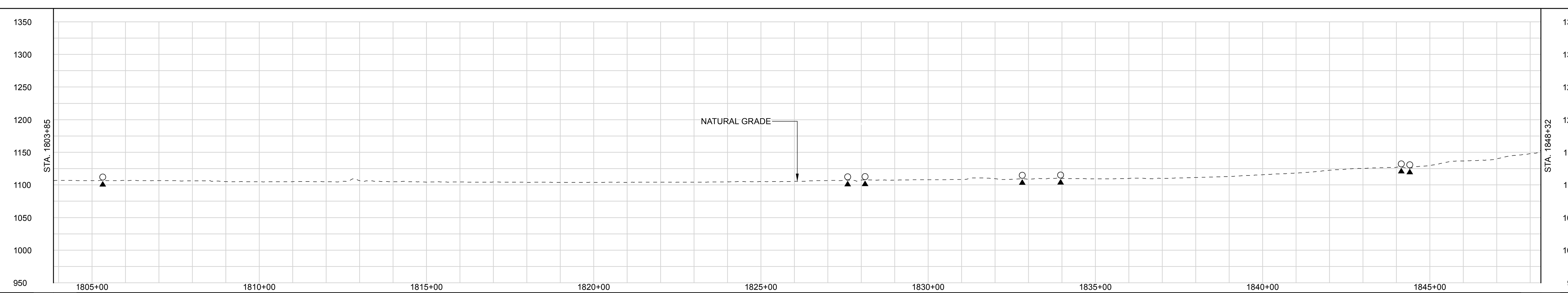


LAND USE CLASSIFICATION

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

SOILS

LAND USE: AG | F/W | OL | I/C | OL | F/W | OL | F/W | OL | R | F/W | AG | F/W | AG | F/W | AG | OL

% SLOPE: < 5% | 5-15% | < 5% | 5-15%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. SUMMIT COUNTY, OHIO AND STARK COUNTY, OHIO

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1040 | REV. 0B

NEXUS GAS TRANSMISSION

IG #

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 040 of 278.pdf - PLOT TIME: 2015-09-11 15:38:48

RIGHT-OF-WAY

TRACT NUMBERS

1848+32	OH-SU-010.0000-RD	1848+76	OH-SU-011.0000	1849+96	OH-SU-012.0000	1850+84	OH-SU-013.0000	1852+06	OH-SU-014.0000	1853+30	OH-SU-015.0000	1855+50	OH-SU-012.0000	1863+85	OH-SU-017.0000	1871+92	OH-SU-018.0000-RD	1875+69	OH-SU-019.0000	1881+26	OH-SU-020.0000	1893+61	OH-SU-021.0000	1895+32
	44 FT.		120 FT.		88 FT.		122 FT.		124 FT.		220 FT.		835 FT.		807 FT.		377 FT.		557 FT.		1235 FT.		171 FT.	
	2.7 RODS		7.3 RODS		5.3 RODS		7.4 RODS		7.5 RODS		13.3 RODS		50.6 RODS		48.9 RODS		22.8 RODS		33.8 RODS		74.8 RODS		10.4 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1848+57 MAYFAIR RD CENTERLINE (SCALED)
STA. 1850+71 PI – 22°30'0" LT
STA. 1856+22 PI – 8°25'27" RT
STA. 1868+71 PI – 45°0'0" RT
STA. 1872+14 FENCE
STA. 1873+02 ROAD EDGE
STA. 1873+26 I 77 N CENTERLINE (SCALED)
STA. 1873+74 ROAD EDGE
STA. 1874+18 ROAD EDGE
STA. 1874+42 I 77 S CENTERLINE (SCALED)
STA. 1874+89 ROAD EDGE
STA. 1890+61 PI – 60°0'0" LT
STA. 1890+95 POWERLINE (SCALED)

CLASS LOCATION

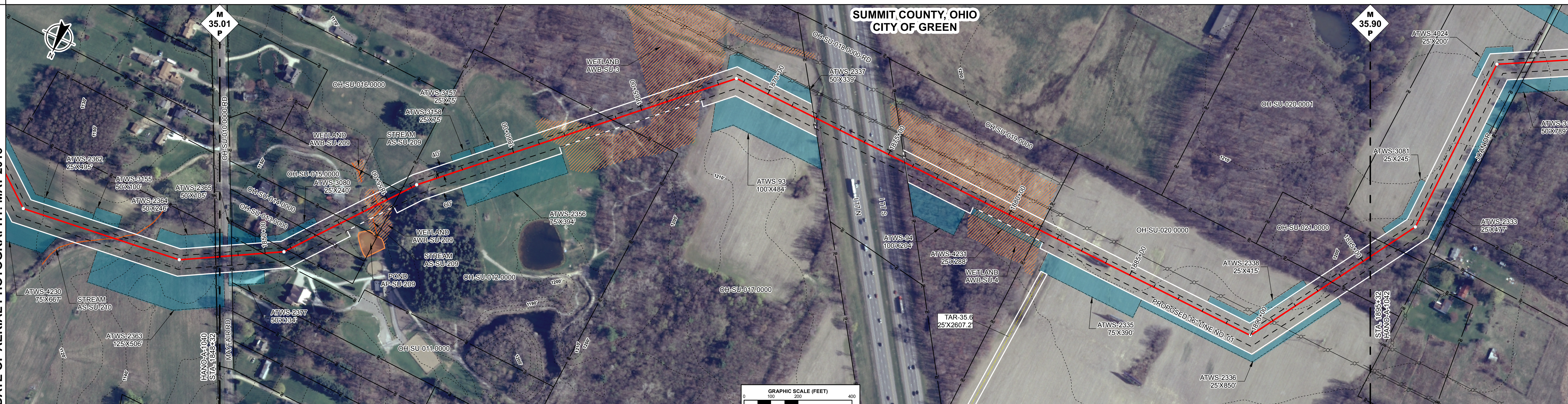
Class 2 | Class 1 | Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1854+02 WETLAND AWB-SU-209 ENTER
STA. 1854+64 CENTERLINE OF STREAM AS-SU-209 TRIBUTARY TO TUSCARAWAS RIVER
STA. 1855+09 WETLAND AWB-SU-209 EXIT
STA. 1861+11 WETLAND AWB-SU-3 ENTER
STA. 1863+52 WETLAND AWB-SU-3 EXIT
STA. 1865+26 WETLAND AWB-SU-3 ENTER
STA. 1868+06 WETLAND AWB-SU-3 EXIT
STA. 1875+84 WETLAND AWB-SU-4 ENTER
STA. 1881+56 WETLAND AWB-SU-4 EXIT

E & S TYPICALS

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

PROFILE

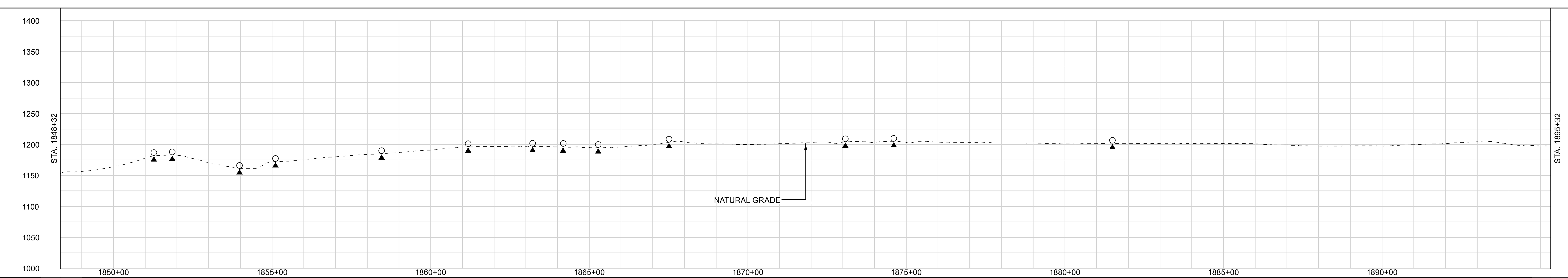
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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: OL | I/C | R | OL | F/W | AG | OL | I/C | OL | F/W | AG | F/W

% SLOPE: 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. SUMMIT COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1041 | REV. 0B

IG #

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 041 of 278.pdf - PLOT TIME: 2015-09-11 16:48:57

RIGHT-OF-WAY

TRACT NUMBERS

OH-SU-021.0000	OH-SU-022.0000	OH-SU-023.0000-RD	OH-SU-024.0000	OH-SU-025.0000	OH-SU-026.0000	OH-SU-027.0000	OH-SU-028.0000
79 FT.	903 FT.	24 FT.	789 FT.	120 FT.	918 FT.	522 FT.	45 FT.
4.8 RODS	54.7 RODS	1.5 RODS	47.8 RODS	7.3 RODS	55.6 RODS	31.6 RODS	2.7 RODS

1895+32, 1896+11, 1905+14, 1905+38, 1913+27, 1914+47, 1923+65, 1928+87, 1929+32

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1897+33 PI – 29°59'59" LT
STA. 1904+07 PI – 59°59'59" RT
STA. 1905+22 JOAN DR CENTERLINE (SCALED)
STA. 1908+33 PI – 30°0'0" RT
STA. 1912+96 PI – 3°6'12" RT
STA. 1921+49 PI – 22°30'0" RT
STA. 1926+59 PI – 45°0'0" LT

CLASS LOCATION

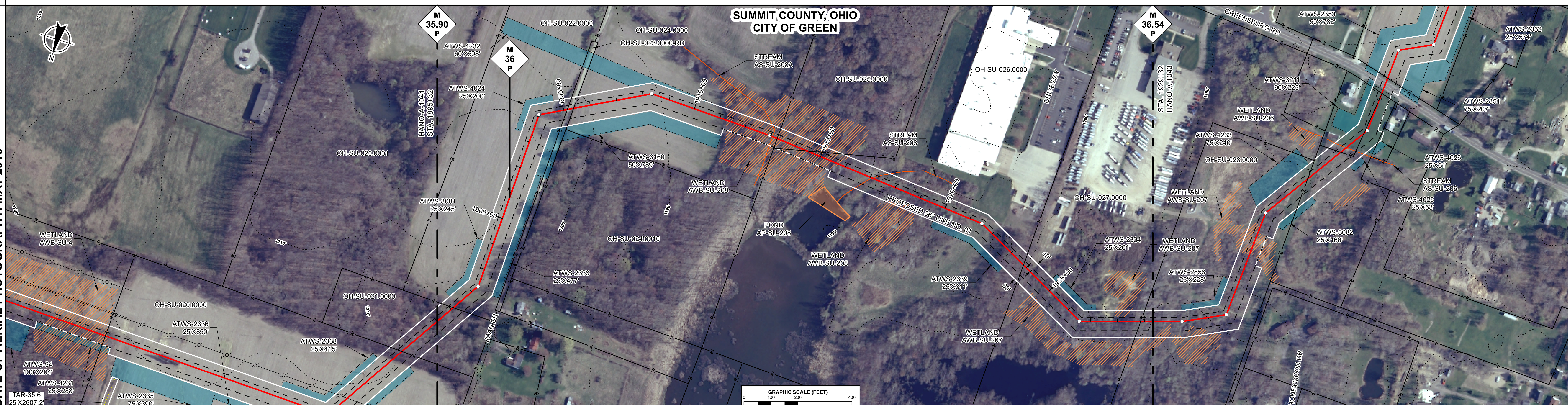
Class 2 | Class 1 | Class 3 | Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1911+12 WETLAND AWB-SU-208 ENTER
STA. 1913+07 CENTERLINE OF STREAM AS-SU-208A TRIBUTARY TO TUSCARAWAS RIVER
STA. 1916+00 WETLAND AWB-SU-208 EXIT
STA. 1917+10 CENTERLINE OF STREAM AS-SU-208 TRIBUTARY TO TUSCARAWAS RIVER
STA. 1917+90 WETLAND AWB-SU-208 ENTER
STA. 1919+03 WETLAND AWB-SU-208 EXIT
STA. 1924+61 WETLAND AWB-SU-207 ENTER
STA. 1925+08 WETLAND AWB-SU-207 EXIT
STA. 1927+90 WETLAND AWB-SU-207 ENTER
STA. 1928+53 WETLAND AWB-SU-207 EXIT
STA. 1929+21 WETLAND AWB-SU-207 ENTER

E & S TYPICALS

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

PROFILE

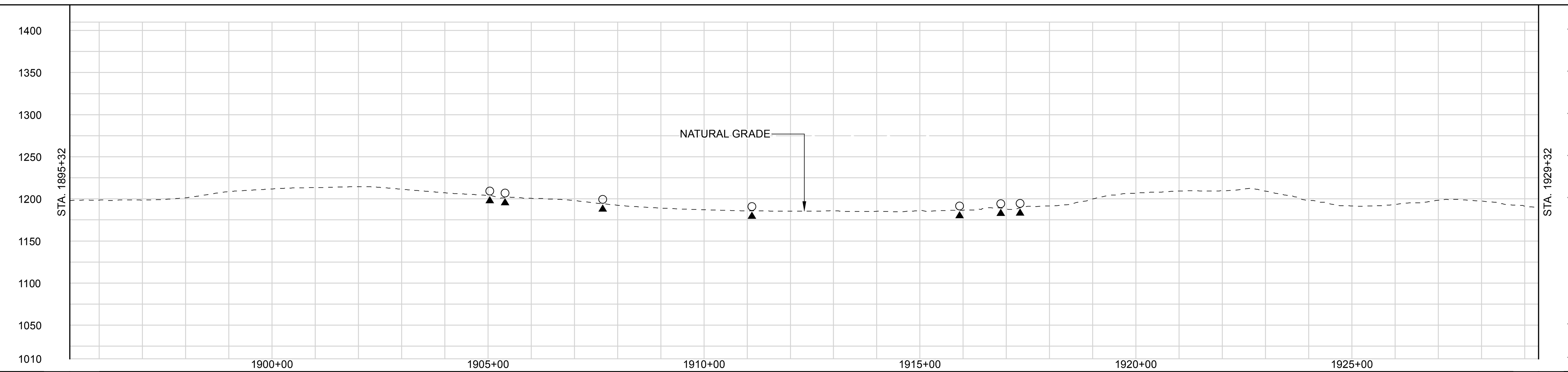
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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

LAND USE: F/W | AG | F/W | OL | F/W | OL | F/W

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. SUMMIT COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1042 | REV. 0B

IG #

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RIGHT-OF-WAY

TRACT NUMBERS

STA.	Tract	Length	Rods
1929+32	OH-SU-028.0000	878 FT.	53.2 RODS
1938+10	OH-SU-029.0000	158 FT.	9.6 RODS
1939+68	OH-SU-030.0000	110 FT.	6.7 RODS
1940+78	OH-SU-029.0000	149 FT.	9.0 RODS
1942+27	OH-SU-030.0000	17 FT.	1.0 RODS
1942+44	OH-SU-031.0000-RD	60 FT.	3.6 RODS
1943+04	OH-SU-032.0000	1652 FT.	100.1 RODS
1959+56	OH-SU-033.0000	11 FT.	0.7 RODS
1959+67	OH-SU-034.0000	906 FT.	54.9 RODS
1968+73	OH-SU-035.0000	3 FT.	0.2 RODS
1968+76			

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1930+41 PI ~ 9°1'36" LT
STA. 1932+06 PI ~ 60°0'0" LT
STA. 1936+10 PI ~ 30°0'0" RT
STA. 1940+95 PI ~ 30°0'0" LT
STA. 1942+69 GREENSBURG RD CENTERLINE (SCALED)
STA. 1944+15 PI ~ 59°59'59" RT
STA. 1945+47 PI ~ 59°59'59" LT
STA. 1951+67 PI ~ 14°59'59" RT
STA. 1958+63 PI ~ 30°0'0" RT
STA. 1966+84 PI ~ 30°0'0" RT

CLASS LOCATION

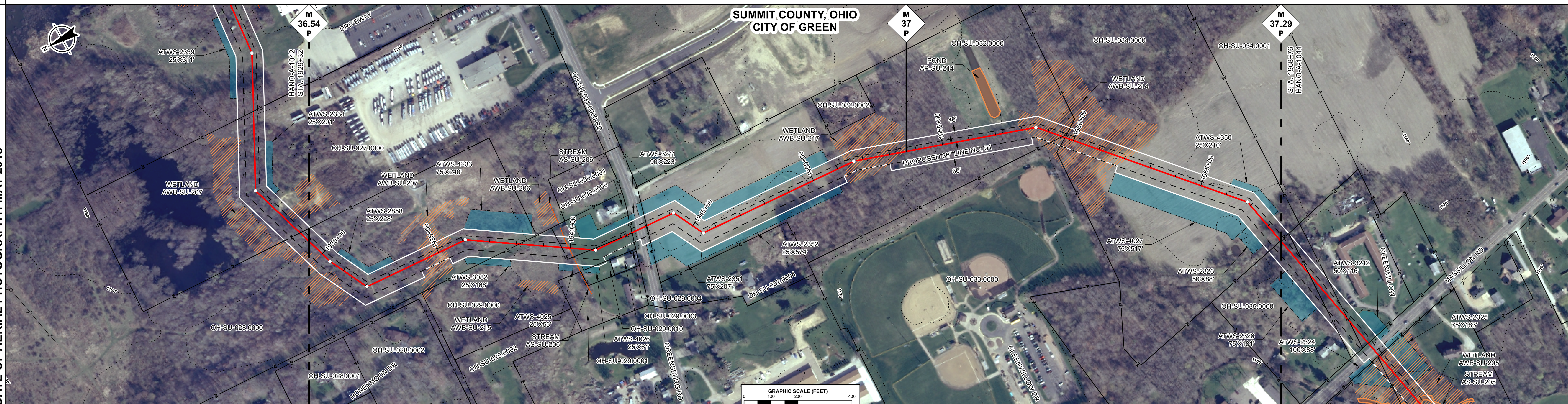
Class 2 | Class 3 | Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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. 1931+39 WETLAND AWB-SU-207 EXIT
STA. 1934+38 WETLAND AWB-SU-207 ENTER
STA. 1935+65 WETLAND AWB-SU-207 EXIT
STA. 1939+95 CENTERLINE OF STREAM AS-SU-206 TRIBUTARY TO WILLOW LAKE
STA. 1951+13 WETLAND AWB-SU-217 ENTER
STA. 1953+64 WETLAND AWB-SU-217 EXIT
STA. 1957+89 WETLAND AWB-SU-214 ENTER
STA. 1962+42 WETLAND AWB-SU-214 EXIT

E & S TYPICALS

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

PROFILE

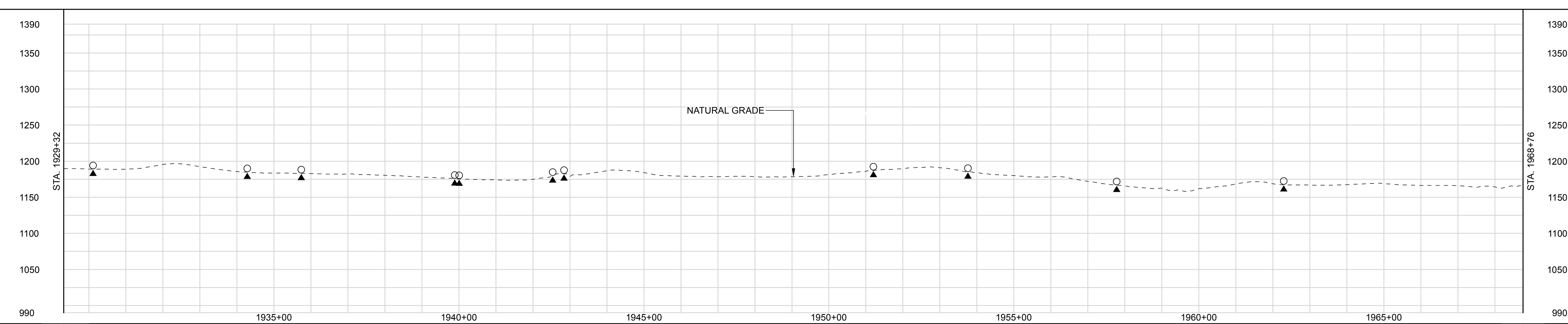
THE LOCATION OF TRENCH PLUGS AND SLOPE BREAKERS ARE INTENDED TO BE USED AS A GUIDELINE ONLY. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

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: F/W | OL | R | I/C | AG | F/W | AG | F/W

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. SUMMIT COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1043 | REV. 0A

IG #

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RIGHT-OF-WAY

TRACT NUMBERS

1968+76	OH-SU-035.0000	1970+35	OH-SU-036.0000	1972+60	OH-SU-037.0000	1973+73	OH-SU-038.0000-RD	1974+34	OH-SU-039.0000	1977+24	OH-SU-040.0000	1983+25	OH-SU-041.0000	1997+54	OH-SU-043.0000-RD	1998+15	OH-SU-044.0000	2001+02	OH-SU-045.0000	2002+58	OH-SU-046.0000	2004+15	OH-SU-047.0000	2008+76
	159 FT.		225 FT.		113 FT.		61 FT.		290 FT.		601 FT.		1429 FT.		61 FT.		287 FT.		156 FT.		157 FT.		461 FT.	
	9.6 RODS		13.6 RODS		6.8 RODS		3.7 RODS		17.6 RODS		36.4 RODS		86.6 RODS		3.7 RODS		17.4 RODS		9.5 RODS		9.5 RODS		27.9 RODS	

SURVEY DATA

SURVEY COMPANY:
FIELD BOOK:
PAGES:

STA. 1974+00 MASSILLON RD CENTERLINE (SCALED)
STA. 1974+39 POWERLINE (SCALED)
STA. 1988+69 PI ~ 7°48'24" LT
STA. 1993+89 PI ~ 59°59'59" LT
STA. 1997+92 KOONS RD CENTERLINE (SCALED)
STA. 2000+91 PI ~ 29°59'59" RT

CLASS LOCATION

Class 2

PIPE MATERIAL

ALIGNMENT LEGEND

PIPELINE MILEPOST
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
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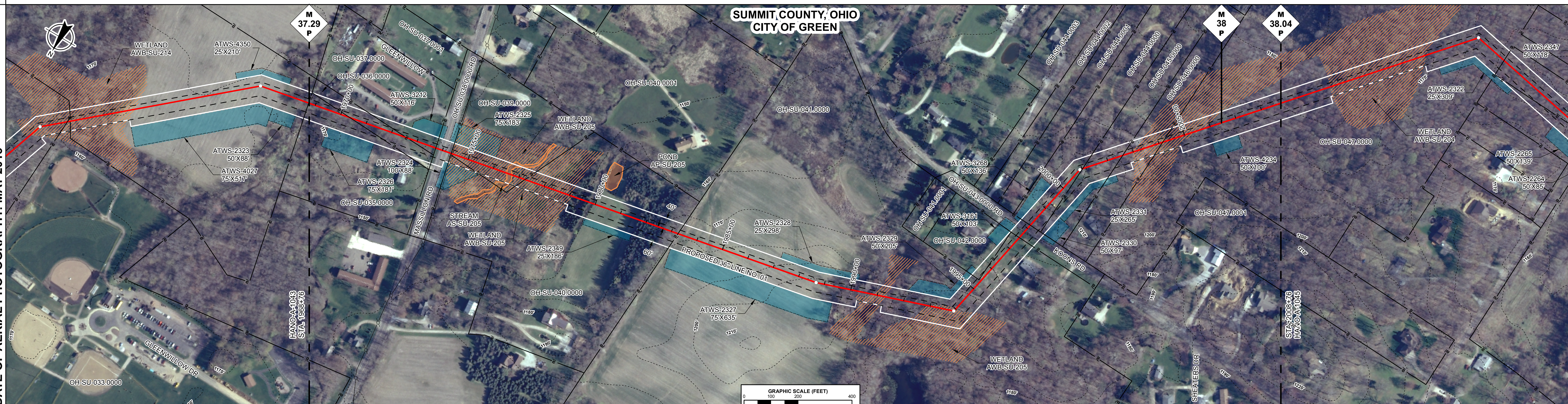
BLOW OFF VALVE
MAINLINE VALVE (MLV)
TOWER
MICROWAVE TOWER
HORIZONTAL DIRECTIONAL DRILL ENTRY/EXIT
TANK
LIGHT POLE
FIRE HYDRANT
WELL: GAS WATER OIL UNKNOWN

DATE OF AERIAL PHOTOGRAPHY: MAY 2015



ENVIRONMENTAL DATA

STA. 1974+34 WETLAND AWB-SU-205 ENTER
STA. 1976+50 STREAM TRIBUTARY TO WILLOW LAKE AS-SU-205 ENTER
STA. 1976+97 STREAM TRIBUTARY TO WILLOW LAKE AS-SU-205 EXIT
STA. 1979+11 WETLAND AWB-SU-205 EXIT
STA. 1990+19 WETLAND AWB-SU-205 ENTER
STA. 1991+46 WETLAND AWB-SU-205 EXIT
STA. 1992+33 WETLAND AWB-SU-205 ENTER
STA. 1994+37 WETLAND AWB-SU-205 EXIT
STA. 2002+90 WETLAND AWB-SU-204 ENTER
STA. 2006+67 WETLAND AWB-SU-204 EXIT

E & S TYPICALS

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

PROFILE

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SLOPE BREAKERS ○
TRENCH PLUG ▲

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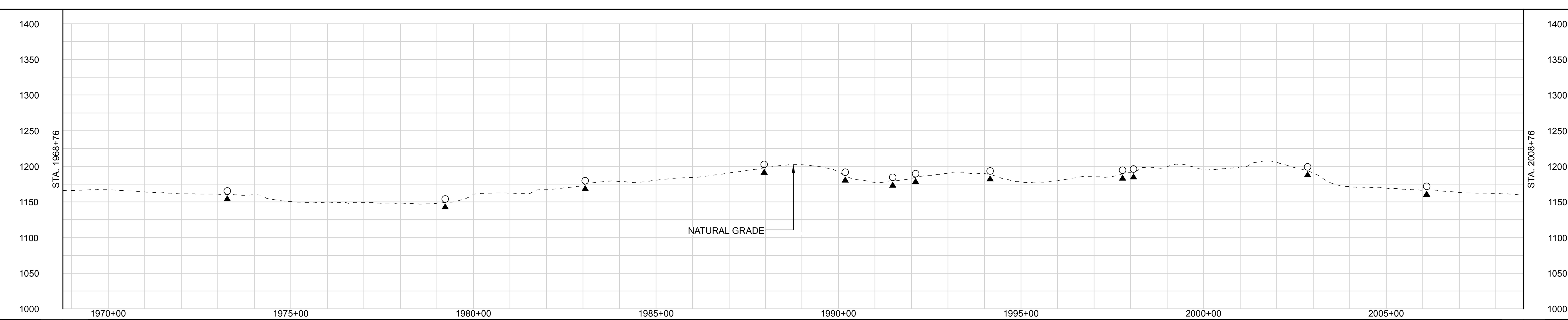
		> 30%	100 FT

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: F/W | R | I/C | F/W | OW | OL | F/W | OL | F/W | OL | AG | F/W | R | I/C | F/W

% SLOPE: < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | 5-15% | < 5% | 5-15% | 5-15% | < 5% | 5-15% | 5-15% | < 5% | 5-15% | < 5% | 5-15% | < 5%

DWG. NO.	DESCRIPTION
APPENDIX IA-4	SITE SPECIFIC RESIDENTIAL CROSSING PLANS

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

HANO - WADS
NEXUS PROJECT
PROPOSED 36" LINE NO. 01
ALIGNMENT SHEET

LOC. SUMMIT COUNTY, OHIO

NEXUS GAS TRANSMISSION

YEAR: 2017 | W.B.S. | Scale 1" = 200' | HANO-A-1044 | REV. 0A

IG #

P:\295_UPSTREAM_PIPELINE\295K_GIS\TurboRoute\ NEXUS PROPOSED MAINLINE PIPELINE 044 of 278.pdf - PLOT TIME: 2015-09-11 14:02:49