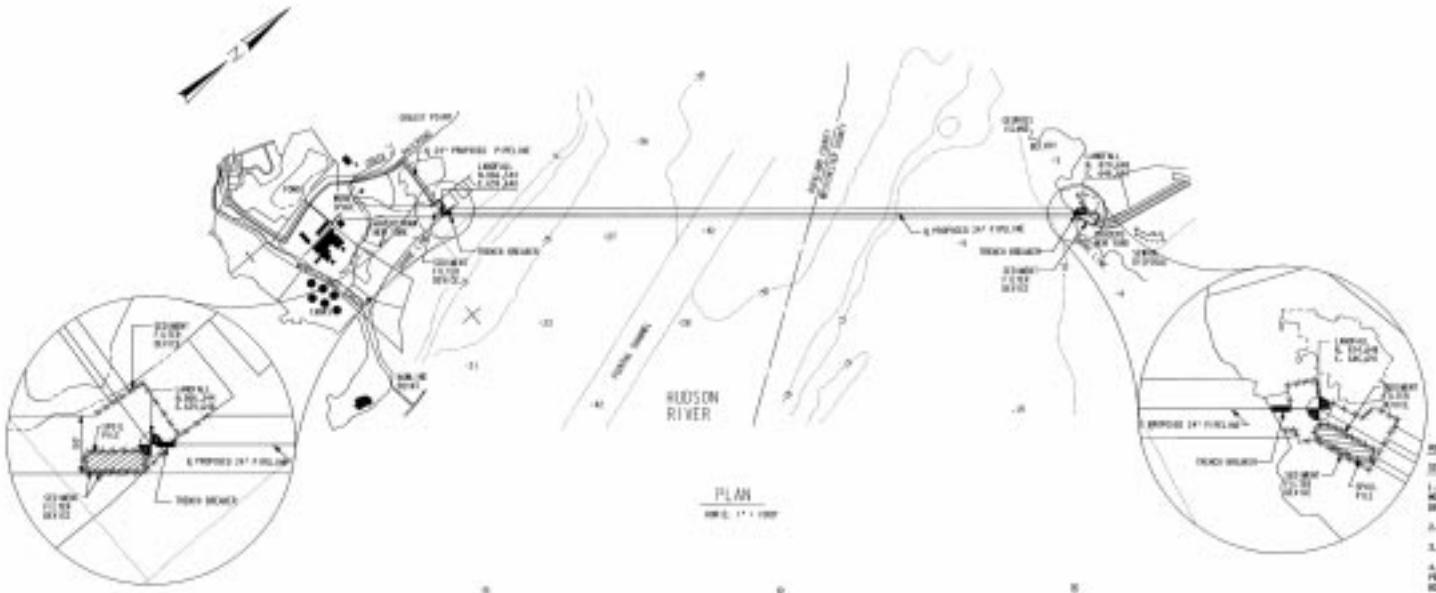
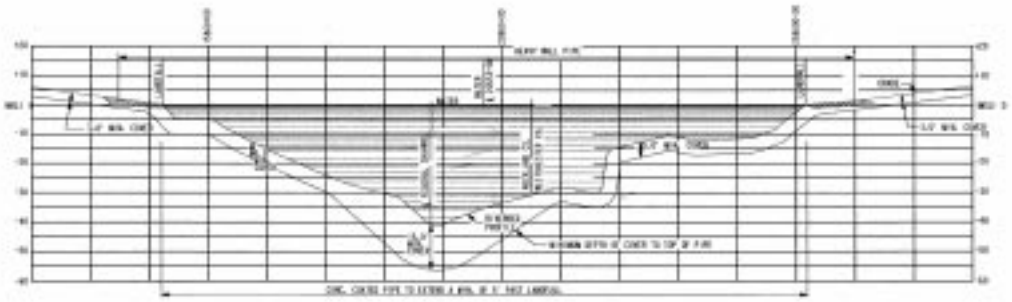
JOB-0-RRE-5258-12

ROCKLAND & WESTCHESTER COUNTIES, NEW YORK

(TOWNS OF HAVERSTRAW & CORTLANDT)



PLAN



PROFILE

VICINITY MAP

HUDSON RIVER

SEE SPECIFIC PROJECT NOTES.

1. ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH MILLENNIUM'S ENVIRONMENTAL CONSTRUCTION STANDARDS AND THE MONITORING PLAN DEVELOPED SPECIFICALLY FOR THIS CROSSING.

2. CONSTRUCTION LIMITED TO JULY 1 THROUGH SEPTEMBER 30.

3. LOCATE EXTRA WORK AREAS AT LEAST 50 FEET FROM EDGE OF WATER.

4. GRADE SPOILS WILL BE DISCARDED AT LEAST 100 FEET FROM THE EDGE OF WATER, TEMPORARY PERMITTING. TRENCH SPOILS WILL BE DISCARDED WITHIN THE DESIGNATED STAGING AREAS OR IN BOTTOM-DUMP BARGES. THE SHIPPING CHANNEL WILL REMAIN OPEN AT ALL TIMES.

5. LOCATION OF SEDIMENT CONTROL DEVICES ARE APPROXIMATE, ADJUST TO FIELD CONDITIONS.

6. OPEN-CUT LAY LARGE CONSTRUCTION METHOD SHALL BE USED TO CROSS WATERBODY. TRENCH WILL BE DISCARDED ONLY SMALL (TYPICALLY 10 CU. YD) ENVIRONMENTAL BUCKET IN NEAR-SHORE (10MM) AREAS AND LARGE (TYPICALLY 100 CU YD) ENVIRONMENTAL BUCKET ELSEWHERE.

7. TRENCH WILL BE BACKFILLED USING MECHANICAL PLACEMENT IN NEAR-SHORE AREAS AND BOTTOM-DUMPED FROM BARGES ELSEWHERE.
NO BACKFILLING OF PRIMARY-SHORE TRENCHES WILL OCCUR FOR 4 - 24 - 1 HOUR SURROUNDING THE PROJECTED MAXIMUM FLOW. BACKFILLING ELSEWHERE WILL ONLY OCCUR DURING 4 - 24 - 1 1/2 HOUR SURROUNDING THE PROJECTED SLACK TIDES (BOTH HIGH AND LOW).

8. TRENCH SIDES WILL BE UP TO 1 ON FEET AT THE TOP AND UP TO 10 FEET AT THE BOTTOM BETWEEN THE SHIPPING CHANNEL. ELSEWHERE, TRENCH SIDES WILL BE UP TO 20 FEET AT THE TOP AND UP TO 10 FEET AT THE BOTTOM.

9. TRENCHING, PIPE INSTALLATION AND BACKFILLING WILL PROCEED SEQUENTIALLY ACROSS THE RIVER. THE TRENCH WILL NOT REMAIN OPEN FOR MORE THAN 2 WEEKS IN ANY GIVEN LOCATION. NOR WILL IT EXCEED MORE THAN APPROXIMATELY 1,000 FEET AT ANY GIVEN TIME.

10. RESTORATION SHALL COMMENCE IMMEDIATELY AFTER THE TRENCH IS BACKFILLED.

11. THE BARGES WILL HAVE A SUPPLY OF ABSORBENT MATERIALS ON BOARD. BEFORE BEGINNING MOVEMENT, A CONTAINMENT BOOM WILL PROTECT THE BARGE. THIS BOOM WILL ALSO BE STORED ON THE BARGES FOR USE SHOULD A SPILL OCCUR WHILE ON THE RIVER.

12. THE STORAGE TANK ON THE BARGES WILL BE MONITORED OVER A METAL CONTAINMENT AREA. THE METAL CONTAINMENT AREA WILL BE HIGH ENOUGH TO CONTAIN ANY OR ALL FLUIDS THAT COULD SPILL FROM THE STORAGE TANK. THE ACCUMULATED FLUID WILL BARGE-VACUUM BE STORED IN CONTAINERS FOR DISPOSAL AT AN APPROVED SITE.

13. ENVIRONMENTAL INSPECTOR WILL REGULARLY INSPECT EQUIPMENT PARKED WITHIN 100 FEET OF WATER'S EDGE FOR EVIDENCE OF LEAKS. CONTRACTOR WILL TAKE ACTION THE SAME DAY LEAK IS DISCOVERED.

14. CONCRETE COATED PIPE SHALL BE INSTALLED UNDER THE RIVER TO EXTEND A MINIMUM OF 5 FEET PAST BANK LINE.

GENERAL NOTES	REFERENCE DRAWINGS	REVISIONS	ENGINEERING-DESIGN RECORD
1. DATUM SYSTEM IS IN FEET AND IS THE NEW YORK STATE PLANE COORDINATE SYSTEM. ZONE 1101 NAD 83.	[illegible]	[illegible]	ISSUE LEGEND: [illegible]
2. DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN SEA LEVEL (MSL) BASED ON DEPARTMENT "MEAN LOW WATER DATUM" WHICH HAS AN ELEVATION OF 1.52 FEET AS PROVIDED BY STANDARD ENGINEERING ASSOCIATES, INC.	[illegible]	[illegible]	ISSUE RECORD: [illegible]

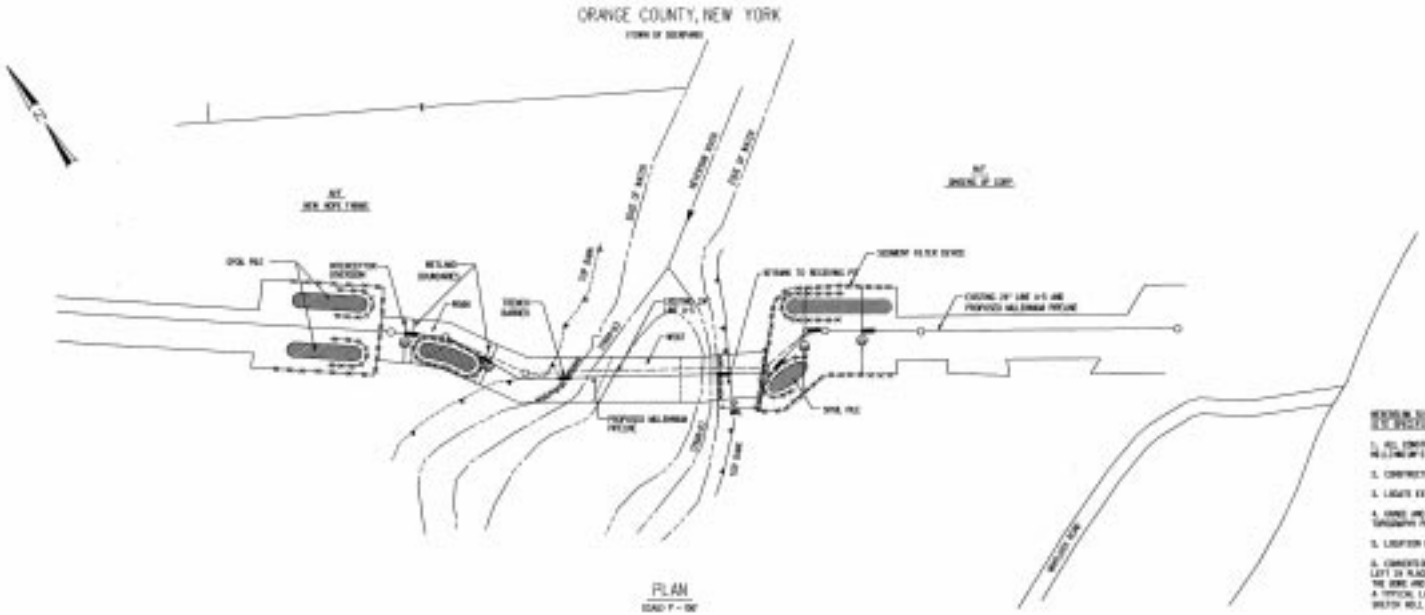
MILLENNIUM PIPELINE

MILLENNIUM PIPELINE COMPANY

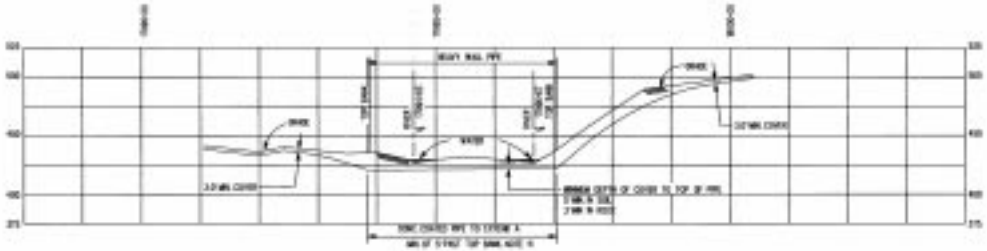
PROPOSED 24" PIPELINE CROSSING
HUDSON RIVER

NOTED	05/05/10	RS-0525-588-0-1027	E

ORANGE COUNTY, NEW YORK



PLAN



PROFILE

VICINITY MAP

GENERAL NOTES

REFERENCE DRAWINGS

REVISIONS

ENGINEERING/DESIGN RECORD

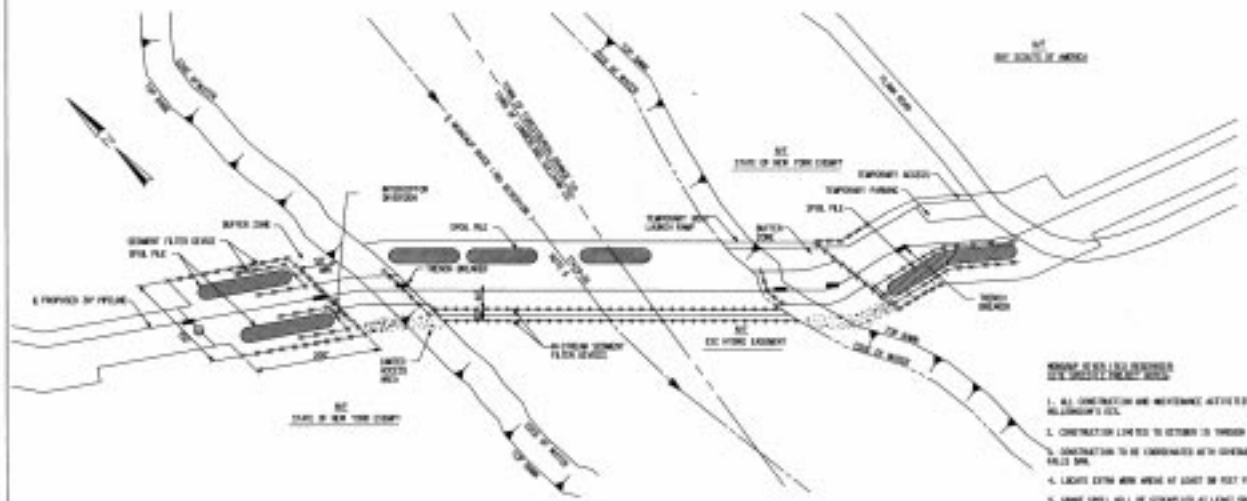
ISSUE LEGEND

MILLENNIUM PIPELINE COMPANY

PROPOSED 36" PIPELINE CROSSING
NEVERSINK RIVER

SULLIVAN COUNTY / ORANGE COUNTY, NEW YORK

(TOWNS OF LONGVILLE & FOREST BURGH)

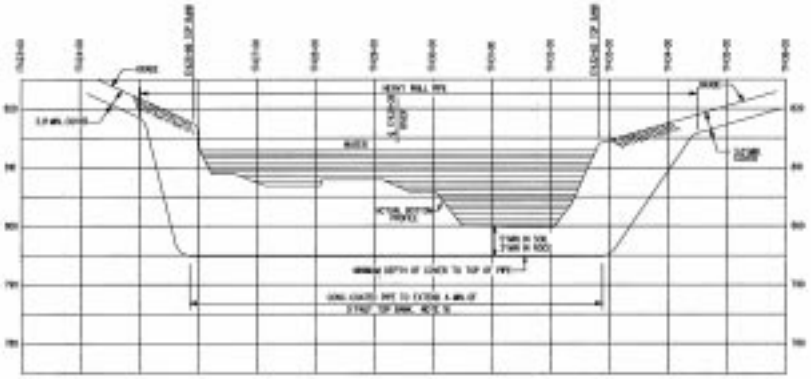


PLAN

SCALE 1" = 50'

VICINITY MAP

NAD FORM



PROFILE

SCALE 1" = 10'

MONGAUP RIVER / MN RESERVOIR
EPA SPECIFIC PROJECT NOTES

1. ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH MILLENNIUM'S ESCP.
2. CONSTRUCTION LIMITED TO OCTOBER 15 THROUGH NOVEMBER 30 DUE TO PRESENCE OF BALD EAGLES.
3. CONSTRUCTION TO BE COORDINATED WITH SCHEDULE OF LIMITED WATER RELEASES AT MONGAUP FALLS DAM.
4. LIGHTS EXTRA WORK AREAS AT LEAST 50 FEET FROM EDGE OF WATER.
5. WORK SPOIL WILL BE STOCKPILED AT LEAST 100 FEET FROM THE EDGE OF WATER, TEMPORARY PERMITTING.
6. TRENCH SPOIL WILL BE STOCKPILED IN THE WATER, ON OPEN CHANNEL, IN THE CENTER OF THE STREAM WILL BE MAINTAINED AT ALL TIMES. ACCESS TO RESERVOIR FROM TEMPORARY BOAT LAUNCH RAMP WILL BE MAINTAINED AT ALL TIMES.
7. LIMITED ACCESS AREA SHALL BE USED ONLY TO REMOVE IN-STREAM SEDIMENT DEVICES.
8. LOCATION OF SEDIMENT CONTROL DEVICES ARE APPROXIMATE, ADJUST TO FIELD CONDITIONS.
9. OPEN-CUT CONSTRUCTION METHOD SHALL BE USED TO CROSS WATERWAY. TRENCH WILL BE EXCAVATED USING BACKHOE OR DRAGLINE.
10. IN-STREAM SEDIMENT FILTER DEVICES SHALL BE PLACED DOWN STREAM OF TRENCH TO MINIMIZE TURBIDITY AND SEDIMENTATION IMPACTS. THESE DEVICES WILL BE INSTALLED PRIOR TO ANY IN-STREAM ACTIVITIES AND WILL BE PLACED APPROXIMATELY 100 FEET AND 200 FEET DOWN STREAM OF TRENCH. IF INSUFFICIENT CURRENT EXISTS AT THE CROSSING LOCATION DURING CONSTRUCTION, THE ENVIRONMENTAL INSPECTOR SHALL HAVE THE OPTION TO CONSIDER THAT ONE OF THE IN-STREAM SEDIMENT FILTER DEVICES BE INSTALLED 100 FEET UPSTREAM OF TRENCH TO MINIMIZE TURBIDITY AND SEDIMENTATION IMPACTS.
11. PIPELINE WILL BE PULLED ACROSS THE WATERWAY WITHIN 1 DAY.
12. TRENCH WILL BE BACKFILLED USING MECHANICAL PLACEMENT. THE TOP 1-FOOT OF TRENCH BACKFILL WILL BE CLEAN GRAVEL OR WATER COBBLE.
13. TRENCH SIZE WILL BE UP TO 50 FEET AT THE TOP AND UP TO 10 FEET AT THE BOTTOM.
14. THE FOLLOWING TIME FRAMES ARE ALLOTTED FOR EACH PHASE OF CONSTRUCTION: 2 DAYS TO EXCAVATE THE TRENCH, 1 DAY TO INSTALL THE PIPE, AND 1 DAY TO BACKFILL THE TRENCH.
15. RESTORATION SHALL COMMENCE IMMEDIATELY AFTER THE TRENCH IS BACKFILLED.
16. CONSTRUCTION ACCESS WILL NOT BE PERMITTED ACROSS WATERWAY. EQUIPMENT CROSSING SHALL NOT BE INITIALIZED. ALL EQUIPMENT WILL WORK OFF BANKS.
17. NO ADDITIONAL CLEARING OF TREES IS PERMITTED WITHIN DESIGNATED BUFFER ZONES.
18. TRIPLE NORTH OF CONSTRUCTION WORK AREA MUST REMAIN UNDISTURBED.
19. CONCRETE COATED PIPE SHALL BE UNDER THE STREAM FROM A MINIMUM OF 5.0 FT FEET TOP BANK TO TOP BANK.
20. PIPE SHALL BE INSTALLED LEVEL UNDER THE STREAM TO A MINIMUM OF THE DEPTH SHOWN EXCEPT IN ROCK FORMATIONS WHERE TOP OF PIPE MAY BE LAID TO A MINIMUM OF 3.0 FT BELOW STREAM.
21. FULL STRIPS OF PIPE SHALL BE USED UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION ENGINEER.
22. EXISTING VALVE NOT ON EAST BANK TO BE REMOVED AND RELOCATED NEAR MP 0.00.1.
23. SEE DETAIL 1 & 2 ON 1.0.00 FOR BOAT LAUNCH CONSTRUCTION AND RESTORATION SPECIFICATIONS.
24. CROSSING INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE PERMITS AND REGULATIONS.
25. ALL STRIP MOVES SHALL BE LIMITED PHOTOGRAPHICALLY INSPECTED.
26. ONLY EQUIPMENT LOCATED ON BARGES WILL BE REPOSITIONED WITHIN 100 FEET OF WATER'S EDGE.
27. BARGE WILL BE PULLED TO THE BANK FOR REFUELING AND NOISE FUNNEL SPILL MATERIAL WILL BE READILY AVAILABLE.
28. TEMPORARY BOAT LAUNCH RAMP TO BE 15 FEET WIDE AND SURFACED WITH GRAVEL. TEMPORARY BOAT LAUNCH RAMP TO BE REMOVED IN ITS ENTIRETY ONCE NEW RAMP IS CONSTRUCTED.
29. ADEQUATE CONSTRUCTION FENCING AND SIGNS WILL BE PLACED TO PROVIDE SAFE ACCESS AND PARKING FOR TEMPORARY BOAT LAUNCH AREA, AS INDICATED.
30. ENVIRONMENTAL INSPECTOR WILL VISUALLY INSPECT EQUIPMENT PARKED WITHIN 100 FEET OF WATER'S EDGE FOR EVIDENCE OF LEAKS. CONTRACTOR WILL TAKE ACTION THE SAME DAY LEAK IS DISCOVERED.
31. TO THE EXTENT PRACTICAL, SPOIL WILL NOT BE STOCKPILED BETWEEN STRUCTURE 1+50+00 AND 2+50+00.
32. SPOIL ON THE EAST SIDE OF THE CROSSING WILL BE STOCKPILED IN A MANNER SUCH THAT IT DOES NOT INTERFERE WITH THE TEMPORARY BOAT LAUNCH.
33. THE IN-STREAM WORK WILL ONLY BE PERFORMED DURING LOW FLOW (< 100 CFS) PERIODS AS COORDINATED WITH SOUTHERN COMPANY.

GENERAL NOTES	REFERENCE DRAWINGS	REVISIONS	ENGINEERING/DESIGN RECORD
			ISSUE LEGEND

MILLENNIUM PIPELINE

MILLENNIUM PIPELINE COMPANY

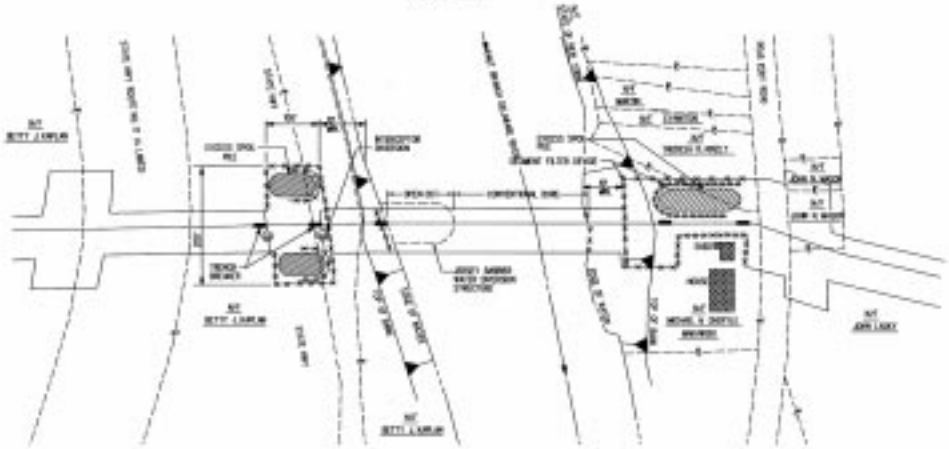
PROPOSED 30" PIPELINE CROSSING
MONGAUP RIVER (MN RESERVOIR)

SULLIVAN COUNTY / ORANGE COUNTY, NEW YORK

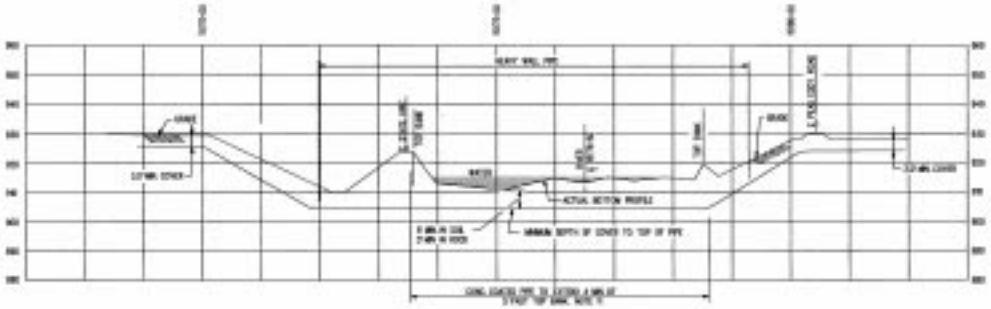
MATRIX 85125A 05-8525-330-0-1021 11

2008-0-282-SX

DELAWARE COUNTY, NEW YORK



PLAN



PROFILE

VICINITY MAP

EAST BRANCH DELAWARE
SITE SPECIFIC PROJECT NOTES:

1. ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH MILLENNIUM'S ECS.

2. CONSTRUCTION LIMITED TO JUNE 1 THROUGH SEPTEMBER 15.

3. LOCATE EXTRA WORK AREAS AT LEAST 100 FEET FROM EDGE OF WATER.

4. SPOIL WILL BE STOCKPILED AT LEAST 100 FEET FROM THE EDGE OF WATER, TOPOGRAPHY PERMITTING.

5. LOCATION OF SEDIMENT CONTROL DEVICES ARE APPROXIMATE, ADJUST TO FIELD CONDITIONS.

6. THE CONVENTIONAL BORE AND OPEN-CUT CONSTRUCTION METHODS WILL BE USED TO CROSS WATERWAY. THE CONTROL ZONE (CZ) [illegible] OF THE CROSSING WILL BE [illegible]. THE REMAINING MINIMUM PORTION WILL BE INSTALLED USING OPEN-CUT METHODS [illegible] FROM THE CONSTRUCTION AREA. CHECKS TO BE REMOVED.
A TYPICAL LAYOUT FOR THE BORE PITS IS SHOWN IN FIG. 1.B, ECS. A FINAL BORE PIT LOCATION SKETCH WILL BE PROVIDED TO, AND APPROVED BY, THE NYSDEC PRIOR TO CONSTRUCTION.

7. REPRAP WEST BANK UP TO 100-FEET IN LENGTH AS DETERMINED NECESSARY BY THE ENVIRONMENTAL INSPECTOR. REPRAP WILL BE 18-INCHES IN LARGER.

8. OPEN-CUT PORTION OF THE TRENCH WILL BE BACKFILLED USING MECHANICAL PLACEMENT. THE TOP 1-FOOT OF TRENCH BACKFILL WILL BE CLEAN GRAVEL OR NATIVE COBBLE.

9. OPEN-CUT PORTION OF THE TRENCH WILL BE UP TO 30 FEET AT THE TOP AND UP TO 10 FEET AT THE BOTTOM.

10. RESTORATION SHALL COMMENCE IMMEDIATELY AFTER THE TRENCH IS BACKFILLED.

11. CONCRETE COATED PIPE SHALL BE UNDER THE STREAM FROM A MINIMUM OF 5.0 FT PAST TOP BANK TO TOP BANK.

12. PIPE SHALL BE INSTALLED LEVEL UNDER THE STREAM TO A MINIMUM OF THE DEPTH SHOWN EXCEPT IN ROCK FORMATIONS WHERE TOP OF PIPE MAY BE LAID TO A MINIMUM OF 3.0 FT BELOW STREAM.

13. FINAL DEPTHS OF PIPE SHALL BE USED UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION ENGINEER.

14. CROSSING INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE PERMITS AND REGULATIONS.

15. ALL BUTTS WELDS SHALL BE 100% RADIOGRAPHICALLY INSPECTED.

GENERAL NOTES	REFERENCE DRAWINGS	REVISIONS	ENGINEERING/DESIGN RECORD
			ISSUE LEGEND

MILLENNIUM PIPELINE

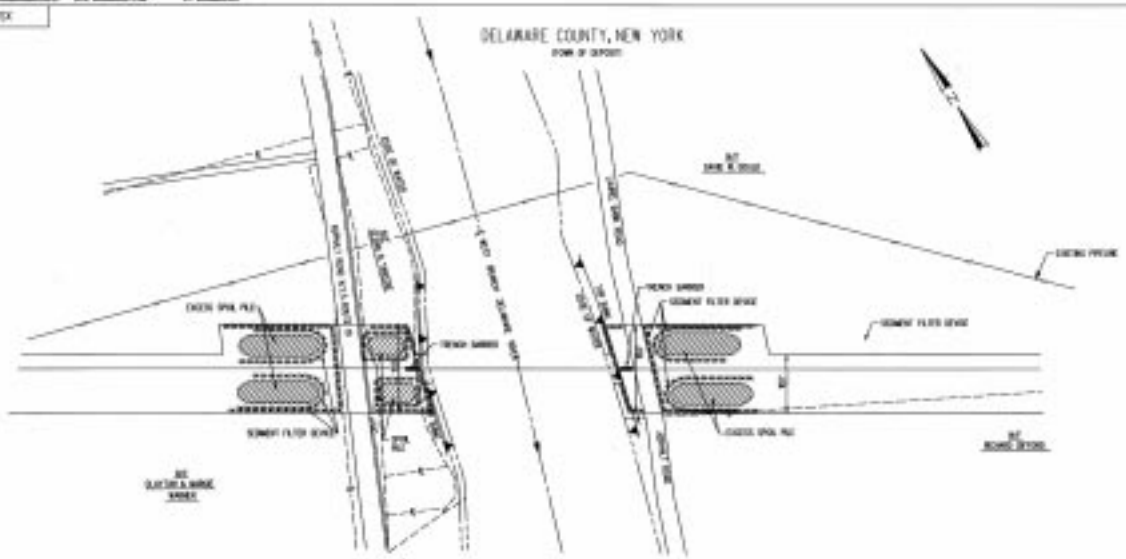
MILLENNIUM PIPELINE COMPANY

PROPOSED 36" PIPELINE CROSSING
EAST BRANCH DELAWARE RIVER

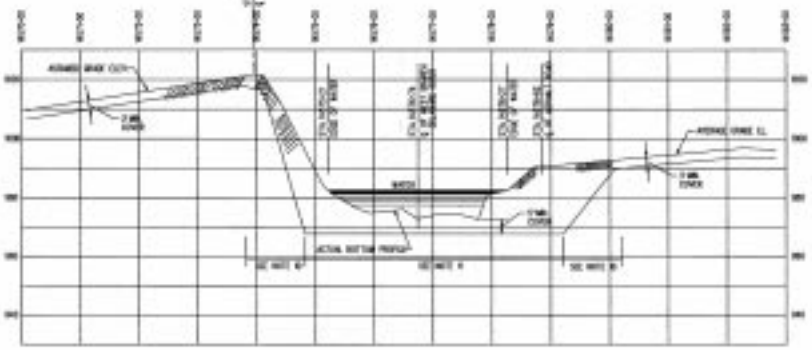
DELAWARE COUNTY — NEW YORK

PROCEED/DRAWING — DATE/STATUS — NOTES — 05/05/10 — DRAWING NO. 10-287-0-8052 — REV. 0 — SHT. 1

DELAWARE COUNTY, NEW YORK



PLAN



PROFILE

VICINITY MAP

WEST BRANCH DELAWARE RIVER
SITE SPECIFIC PROJECT NOTES

1. ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH MILLENNIUM'S ESCP.
2. CONSTRUCTION LIMITED TO JUNE 1 THROUGH NOVEMBER 30.
3. LOCATE EXTRA WORK AREAS AT LEAST 100 FEET FROM EDGE OF WATER.
4. BORE PITS WILL BE STAGGERED AT LEAST 50 FEET FROM THE EDGE OF WATER, TEMPORARY PERMITTING.
5. LOCATION OF SEDIMENT CONTROL DEVICES ARE APPROXIMATE, ADJUST TO FIELD CONDITIONS.
6. CONVENTIONAL BORE CONSTRUCTION METHOD SHALL BE USED TO CROSS WATERWAY. ALTERNATE OF CROSSING METHODS WILL NOT BE USED UNTIL THE FERC, NYSDEC, AND COE AGREE THAT A CONVENTIONAL BORE IS NOT POSSIBLE AND A MUTUALLY ACCEPTABLE ALTERNATIVE PROCEDURE IS DEVELOPED.
A TYPICAL LAYOUT FOR THE BORE PITS IS SHOWN ON FIG. 2B, ECL. A FINAL BORE PIT LOCATION SKETCH WILL BE PROVIDED TO AND APPROVED BY THE FERC PRIOR TO CONSTRUCTION.
7. THE BORE & RECEIVING PITS WILL BE LOCATED APPROXIMATELY 50 FEET FROM THE TOP OF BANK.
8. RESTORATION SHALL COMMENCE IMMEDIATELY AFTER THE TRENCH IS BACKFILLED.
9. CONSTRUCTION ACCESS WILL NOT BE PERMITTED ACROSS WATERWAY. EQUIPMENT BRIDGE SHALL NOT BE INSTALLED.
10. PIPE SHALL BE LAID TO EXTRA DEPTH AT THESE LOCATIONS TO PROVIDE CROSSING AT BORING.
11. CONCRETE COATED PIPE SHALL BE UNDER THE STREAM FROM A MINIMUM OF 5.0 FEET MIN TOP BANK TOP BANK.
12. PIPE SHALL BE INSTALLED UNDER THE STREAM TO A MINIMUM OF THE DEPTH SHOWN EXCEPT IN ROCK FORMATIONS WHERE TOP OF PIPE MAY BE LAID TO A MINIMUM OF 3.0 FT BELOW STREAM.
13. FINAL JOINTS OF PIPE SHALL BE WELD UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION ENGINEER.
14. CROSSING INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE PERMITS AND REGULATIONS.
15. ALL BORE HOLES SHALL BE CORE AND BOREHOLE INSPECTED.

GENERAL NOTES	REFERENCE DRAWINGS	REVISIONS	ENGINEERING/DESIGN RECORD

ISSUE LEGEND

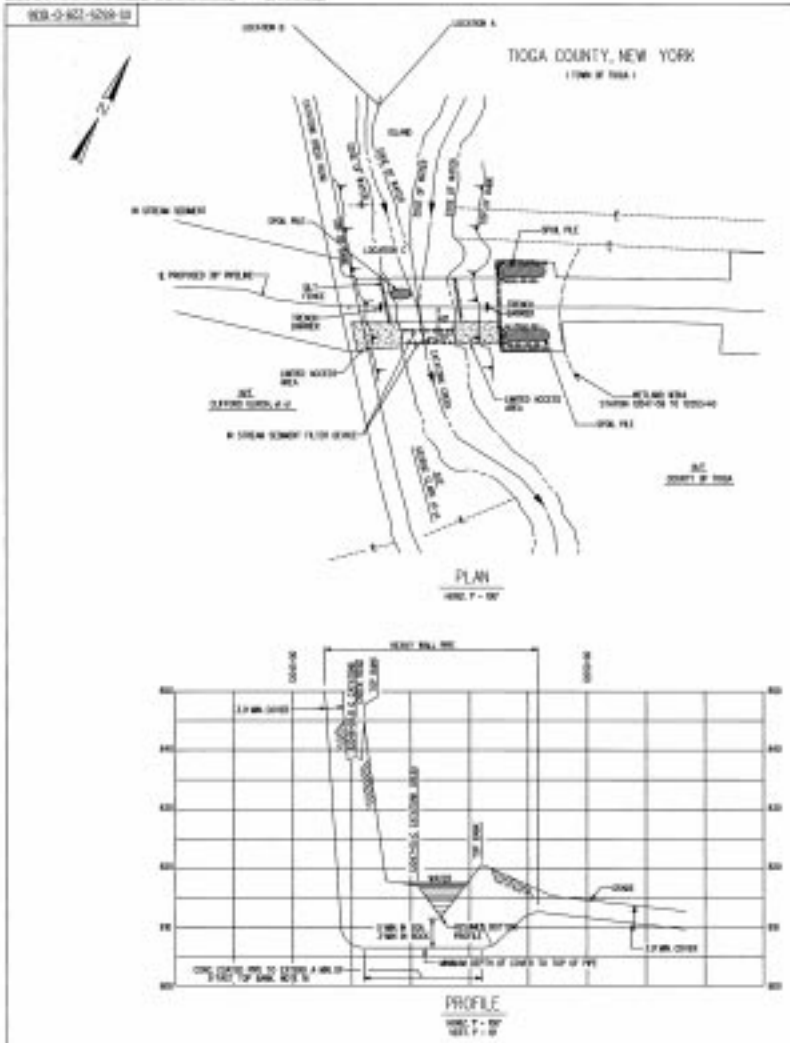
MILLENNIUM PIPELINE COMPANY

PROPOSED 36" PIPELINE CROSSING
WEST BRANCH DELAWARE RIVER
HORIZONTAL BORE

DELAWARE COUNTY — NEW YORK

MILLENNIUM PIPELINE	DATE/TIME 10/13	JOB 852550	DRAWING NO. 05-276-0-1081

REV. 0



GENERAL NOTES

REFERENCE DRAWINGS

REVISIONS

ENGINEERING/DESIGN RECORD

ISSUE LEGEND

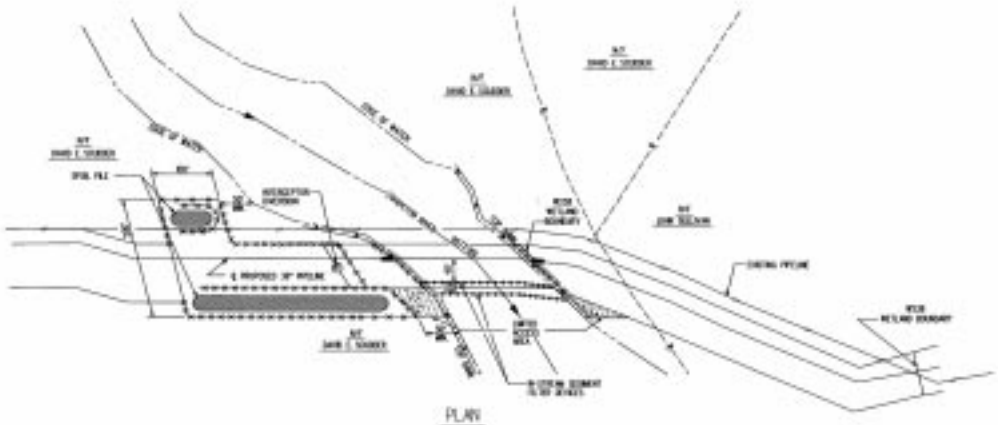
ISSUE RECORD

MILLENNIUM PIPELINE

MILLENNIUM PIPELINE COMPANY

PROPOSED 36" PIPELINE CROSSING
CATATONK CREEK

STEUBEN COUNTY, NEW YORK



PLAN

PROFILE

VICINITY MAP

CONSTRUCTION NOTES
SEE SPECIFIC PROJECT NOTES

1. ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH REGULATORY ETC.

3. CONSTRUCTION LIMITED TO JUNE 1 THROUGH SEPTEMBER 30.

3. LEAVE EXTRA WORK AREAS AT LEAST 50 FEET FROM EDGE OF WATER.

4. SPOIL AND TRENCH SPOIL WILL BE STOCKPILED AT LEAST 50 FEET FROM THE EDGE OF WATER, TEMPORARY PERMITTING.

5. LIMITED ACCESS AREA SHALL BE USED ONLY TO REMOVE IN-STREAM SEDIMENT DEVICES.

6. LOCATION OF SEDIMENT CONTROL DEVICES ARE APPROXIMATE, ADJUST TO FIELD CONDITIONS.

7. PRIOR TO ANY IN-STREAM TRENCHING, APPROXIMATELY 300 FEET OF THE CONOCTON RIVER WILL BE DIVERTED AROUND THE CROSSING SITE. THE NARROWLY EXISTING CHANNEL ON THE EAST-SIDE OF THE RIVER WILL BE REGRADED FOR THIS PURPOSE. ONCE CONSTRUCTION IN THE MAIN RIVER CHANNEL IS COMPLETE, WATER FLOW WILL BE RETURNED TO THE MAIN CHANNEL AND THE TEMPORARY CHANNEL WILL BE RESTORED.

8. OPEN-CUT CONSTRUCTION METHOD SHALL BE USED TO CROSS WATERWAY. TRENCH WILL BE EXCAVATED USING DRAGLINE OR BACKHOE.

9. SEDIMENT FILTER DEVICES (SEDIMENT MAPS OR EQUIVALENT) SHALL BE PLACED DOWN STREAM OF THE TRENCH TO MINIMIZE TURBIDITY AND SEDIMENTATION IMPACTS. THESE DEVICES WILL BE INSTALLED PRIOR TO ANY IN-STREAM ACTIVITIES AND WILL BE PLACED APPROXIMATELY 50 FEET AND 100 FEET DOWN STREAM OF THE TRENCH.

10. PIPELINE WILL BE PULLED ACROSS THE WATERWAY WITHIN 1 DAY.

11. TRENCH WILL BE BACKFILLED USING MECHANICAL PLACEMENT. THE TOP 1-FOOT OF TRENCH BACKFILL WILL BE FLOWABLE FILL OR NATIVE FINES.

12. TRENCH SIDE WILL BE UP TO 50 FEET AT THE TOP AND UP TO 10 FEET AT THE BOTTOM.

13. THE FOLLOWING TIME FRAMES ARE ALLOTTED FOR EACH PHASE OF CONSTRUCTION: 2 DAYS TO DIVERT THE WATER FLOW, 3 DAYS TO EXCAVATE THE TRENCH, 1 DAY TO INSTALL THE PIPE, 1 DAY TO BACKFILL THE TRENCH, AND 2 DAYS TO RETURN THE WATER FLOW AND RESTORE THE TEMPORARY CHANNEL.

14. RESTORATION SHALL COMMENCE IMMEDIATELY AFTER THE TRENCH IS BACKFILLED.

15. WETLAND BOUNDARIES AND OTHER AREAS OF ENVIRONMENTAL CONCERN WILL BE FIELD MARKED BY THE ENVIRONMENTAL INSPECTOR PRIOR TO CONSTRUCTION. FIELD MARKED BOUNDARIES SUPERSEDE THOSE INDICATED ON PLAN AND PROFILE SHEET.

16. REMOVE AND STOCKPILE TOP 12 INCHES OF TOPSOIL FOR SPOIL PILE AREAS LOCATED IN WETLANDS.

17. CONSTRUCTION ACCESS WILL NOT BE PERMITTED ACROSS WATERWAY. SEDIMENT BARRIER SHALL NOT BE DISTURBED.

18. PIPE SHALL BE LAID TO EXTRA DEPTH AT THESE LOCATIONS TO PREVENT OVERSIZE BENDING.

19. DOWNSTREAM COATED PIPE SHALL BE UNDER THE STREAM FROM A MINIMUM OF 5.0 FT NEAR TOP BANK TO TOP BANK.

20. PIPE SHALL BE INSTALLED LEVEL UNDER THE STREAM TO A MINIMUM OF THE DEPTH SHOWN EXCEPT IN ROCK FORMATIONS WHERE TOP OF PIPE MAY BE LAID TO A MINIMUM OF 3.0 FT BELOW STREAM.

21. WELD JOINTS OF PIPE SHALL BE CROSS UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION ENGINEER.

22. REPAIR BOTH BANKS UP TO 150 FEET IN LENGTH AS DETERMINED NECESSARY BY THE ENVIRONMENTAL INSPECTOR.

23. CROSSING INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE PERMITS AND REGULATIONS.

24. ALL DEPTH HOLES SHALL BE CHECK PAD DOWNSTREAM INSPECTOR.

GENERAL NOTES

REFERENCE DRAWINGS

[illegible]	[illegible]

REVISIONS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ENGINEERING/DESIGN RECORD

ISSUE LEGEND

ISSUE REVIEWS

FLUOR DANIEL WILLIAMS BROTHERS

MILLENNIUM PIPELINE COMPANY

PROPOSED 36" PIPELINE CROSSING
CONOCTON RIVER

STEUBEN COUNTY NEW YORK

JTM	9-26-00	REVISED	03/22/01	03-0523-00-D-0002

CATTARAUGUS COUNTY, NEW YORK

PLAN

PROFILE

VICINITY MAP

GENERAL NOTES

REFERENCE DRAWINGS

REVISIONS

ENGINEERING/DESIGN RECORD

ISSUE LEGEND

ISSUE RECORD

MILLENNIUM PIPELINE COMPANY

PROPOSED 36" PIPELINE CROSSING
OLEAN CREEK