ATTACHMENT 1

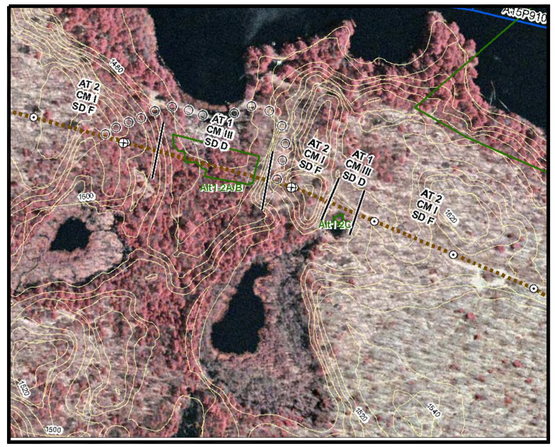
ENVIRONMENTAL WORK PLAN SHEETS

Tri-Lakes Reliability Project
Cover Sheet

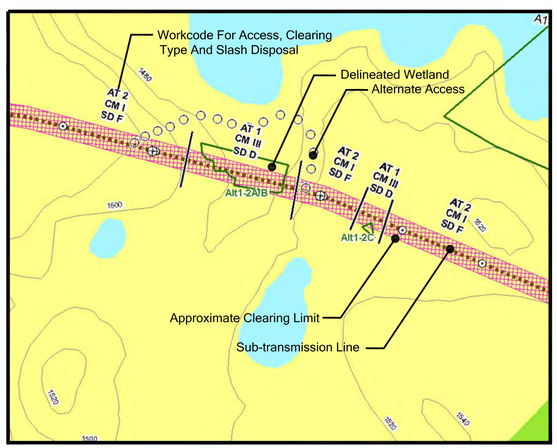
November 21, 2005
Revised January 4, 2006

GRAPHIC LAYOUT OF EWP DRAWINGS

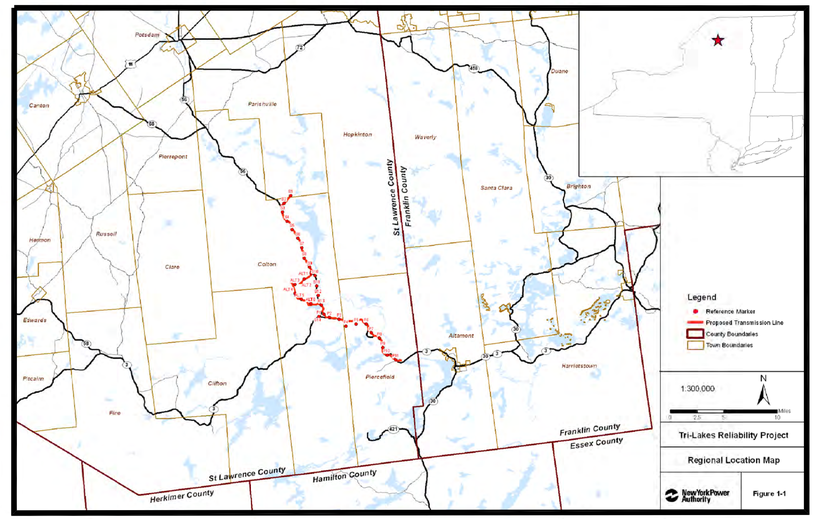
N.T.S.



ORTHO VIEW



PLAN VIEW



SITE LOCATION MAP

SHEET INDEX

SHEET 1	S1-S2	SHEET 16	P1-P2
SHEET 2	S2-S3	SHEET 17	P2-P3
SHEET 3	S3-S4	SHEET 18	P3-P4a
SHEET 4	S4-S5	SHEET 19	P4a-P5a
SHEET 5	S5-S6	SHEET 20	P5a-P6
SHEET 6	S6-S7	SHEET 21	P6-P7
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SHEET 12	ALT4-ALT5		
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SHEET 14	ALT6-S13		
SHEET 15	S13-S14		

WORKCODE DEFINITIONS

CLEARING METHOD WORKCODES

Clearing Method I (CM–I) CM–I consists of clearing the designated areas of all woody plants, including desirable species. Herbicides may be applied to remaining stumps as directed by this EWP.

Clearing Method II (CM–II) CM–II consists of clearing the designated areas of any woody plant species that have potential for growing into the wire security zone. All growth shall be cut as close to the ground as practicable. Reasonable care shall be taken, in as so far as practical, to retain desirable species found within CM–II zones. Herbicide may be applied to all remaining stumps within a designated CM–II as directed by this EWP.

Clearing Method III (CM–III) CM–III shall consist of selectively clearing the designated areas, removing only those tall–growing tree species that have invaded or can be expected to invade the wire security zone within five years. Low growing shrub species will be maintained to preserve groundcover.

Clearing Method IV (CM–IV) CM–IV shall consist of selectively removing and/or trimming, in the designated areas, those tall growing species which have invaded or can be expected to invade, the wire security zone within five years. Trees with more than 25 percent of the crown within the wire security zone will be removed unless otherwise designated on the Project plans.

SLASH DISPOSAL WORKCODES

Slash Disposal Practice A (SD–A) SD–A consists of separating, tree length skidding and yarding the merchantable timber in designated areas along the ROW. Where, in the opinion of the Environmental Inspector, a site may be damaged by the tree length skidding, the timber will be bucked into logs.

Slash Disposal Practice B (SD–B) SD–B consists of collecting and piling the slash in designated areas. In this case, the slash consists of all unmerchantable wood (less than 6 inches in diameter at the large end), such as tops, limb wood and saplings.

Slash Disposal Practice C (SD–C) SD–C consists of collecting and piling all unmerchantable wood larger than 6 inches in diameter at the small end, in designated areas. Unless otherwise directed by the Environmental Inspector, the logs will be piled adjacent to the work trail so as to avoid interference with construction activities.

Slash Disposal Practice D (SD–D) SD–D consists of dropping and lopping all downed material so that it lies as close to the ground as practical and branches and limb wood would not exceed one–foot average depth.

Slash Disposal Practice E (SD–E) SD–E consists of burning the slash within designated areas after collecting and piling. Slash larger than approximately 6 inches in diameter at the small end will be stacked along the access road for potential firewood utilization.

Slash Disposal Practice F (SD–F) SD–F consists of chipping slash on site in designated areas.

Slash Disposal Practice G (SD–G) SD–G consists of removing slash from the site which is less than 6 inches in diameter at the large end, including tops, limbwood and saplings. However, the large diameter wood (six inches or more in diameter) may be scattered or piled on the site. The small diameter slash may be removed to another portion of the right–of–way with a designated slash disposal practice of other than SD–G or SD–H. In wetland along state highways or in critical environmental areas all material will be removed and chipped.

Slash Disposal Practice H (SD–H) SD–H consists of removing all slash from the site.

EARTHEN WORK TRAIL WORKCODES

Access Type 1 (AT–1) Off ROW work trail in uplands on existing stone/gravel road, or new trail on firm level soils. Minor topdressing may be required.

Access Type 2 (AT–2) Firm level soils with minor grading necessary, plus drainage devices. Locate within ROW along structure centerline.

Access Type 3 (AT–3) Firm soils with steep slopes requiring 12 inches minimum of select borrow or crusher run, plus drainage devices, locate within ROW and switchback as necessary to negotiate steep slopes.

Access Type 4 (AT–4) Soft soils requiring geofabric and 12 inches minimum of select borrow or crusher run, plus drainage devices.

Access Type 5 (AT–5) Temporary fill atop geofabric, removed prior to restoration.

Access Type 6 (AT–6) Existing paved roads and adjacent improved ROW, utilized during the construction of the Project, with minor permanent improvement for pole access.

Existing Condition
- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line
- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend
- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure
- AT 2, CM I, SD F — Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork
- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams
- S6-3B/C = Wetland ID
- S5-3B/C-st = Stream ID
- S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend
- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
- NYS GIS Clearing House
- NYS Adirondack Park Agency
- NYS DEC
- NY Power Authority
- National Grid
- NYS DOT

Note: UTM Zone 18 NAD83

Revision Inventory:

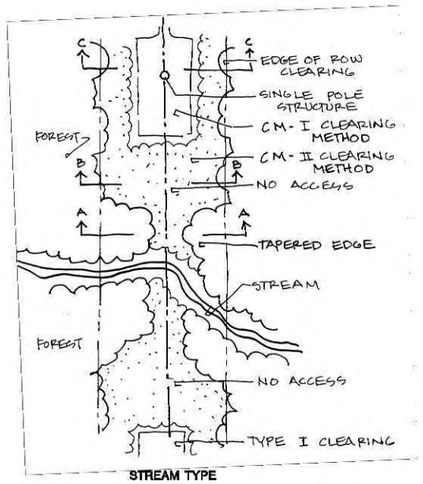
Date:	Revision Made	Sheet No.
12/1/05	Plan set issued to APA	All
12/5/05	Realign R.O.W.	10, 11
	Change access road codes	10, 11
	Change wetland ID numbers	10, 11
12/22/05	Added road names	1-15 and 19-26
	Reference markers added	18, 19, 20
	Added river area boundaries	14, 15, 22-24, 26

Scale: As Noted

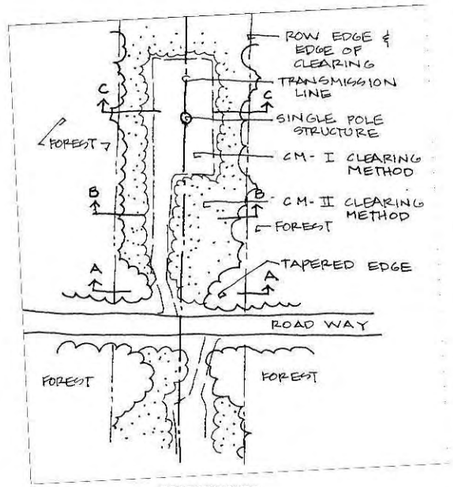
Tri-Lakes Reliability Project

Cover Sheet

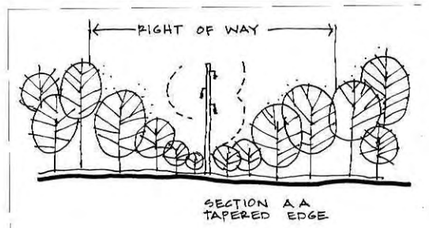
New York Power Authority



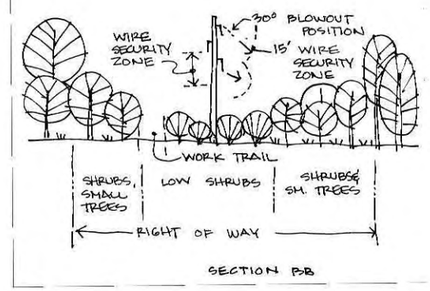
STREAM TYPE



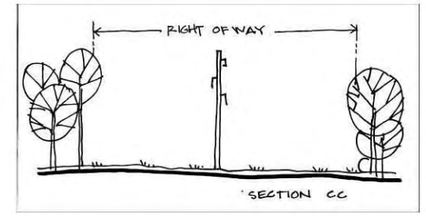
ROADWAY TYPE



SECTION AA
TAPERED EDGE



SECTION BB



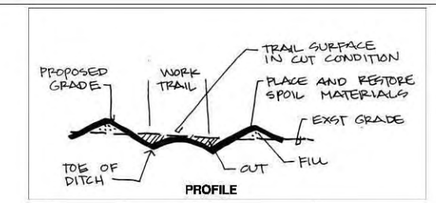
SECTION CC

NOTES:

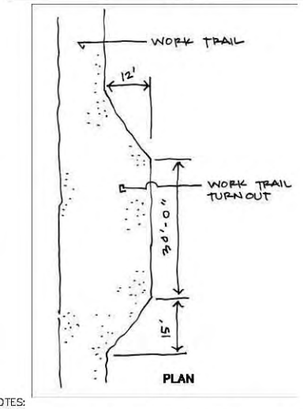
1. CLEARING METHODS I, II, III, AND IV ARE SPECIFIED IN SECTION 4.1.1 "ROW CLEARING SPECIFICATIONS" OF THE EWP.

1 CLEARING METHODS

N.T.S.



PROFILE



PLAN

NOTES:

1. LOCATION–WORK TRAILS PROVIDE ACCESS ROUTES THROUGH THE ROW AND TO EACH STRUCTURE ALONG THE SUB–TRANSMISSION LINE FOR CONSTRUCTION AND OPERATION.
2. WIDTH–THE TRAVEL SURFACE OF THE WORK TRAIL SHALL BE A MINIMUM OF 12 FEET WIDE WITH GREATER WIDTHS AT CURVES AND TURNOUTS WITHIN A 20 FOOT ROADWAY.
3. THERE ARE SIX ACCESS TYPES. THEY ARE SPECIFIED IN SECTION 4.1.2 "WORK TRAIL CONSTRUCTION" OF THE EWP.
4. SEE ALSO DETAILS 3 AND 4 FOR SPECIFIC TYPES.

2 TYPICAL WORK TRAIL

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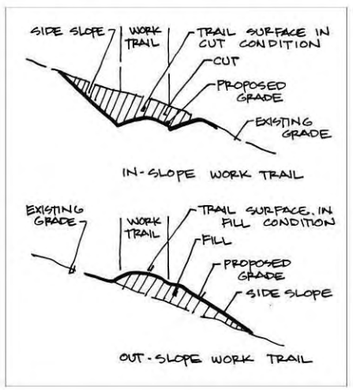
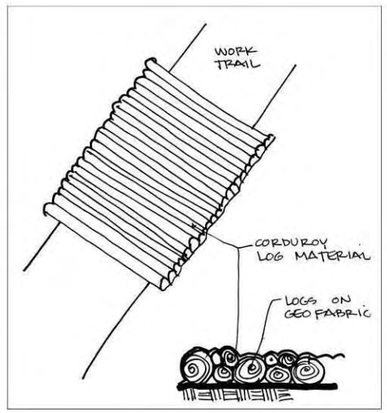


NOTES:

1. USE–IN MODERATE TO STEEP TERRAIN (10–20%) SIDESLOPES, WHERE IT IS NECESSARY TO CROSS THE SLOPE ON A DIAGONAL, THEREBY REDUCING THE GRADE TO IMPROVE ACCESSIBILITY, SIDE HILL CUTS SHALL BE MADE.
2. ALL STUMPS SHALL BE GRUBBED FROM SIDE HILL CUTS.
3. ALL TOPSOIL SHALL BE EXCAVATED TO THE SUBSOIL.
4. ALL SPOIL SHALL BE PLACED ON THE EMBANKMENT AT THE LOW SIDE OF THE WORK TRAIL.
5. SPOIL SHALL NOT BE USED AS FILL MATERIAL FOR THE LOW SIDE OF THE ROAD SURFACE.
6. TOPSOIL SPOIL SHALL NOT BE USED AS A FILL MATERIAL IN ANY PORTION OF THE DRIVING SURFACE.
7. A CUT EMBANKMENT SHALL BE BACK BLADED TO A MAXIMUM OF 45° SLOPE IN SOILS.
8. A FILL EMBANKMENT SHALL BE BLADED TO A MAXIMUM SLOPE OF 45°.

3 SIDEHILL CUTS

N.T.S.

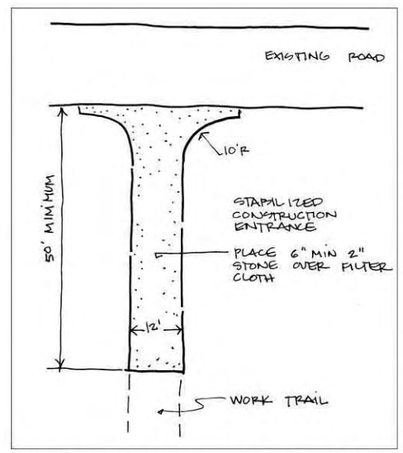


NOTES:

1. CORDUROY ROADS SHALL BE USED IN WETTER CONDITIONS WHERE CLEARING IS NECESSARY AND TRACKED VEHICLES WILL BE USED.
2. THEY SHALL ALSO BE USED IN CASES WHERE EMERGENCY ACCESS MUST BE RETAINED AFTER CONSTRUCTION.
3. THEY SHALL BE CONSTRUCTED OUT OF WHATEVER MATERIAL IS AVAILABLE FROM THE CLEARING OPERATION.

4 CORDUROY ROAD

N.T.S.



CONSTRUCTION SPECIFICATION

1. LOCATION – A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE AT A PUBLIC ROAD OR PARKING LOT. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.
2. STONE – CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 4" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
3. LENGTH – GREATER THAN OR EQUAL TO 50 FEET.
4. WIDTH – 12'–0" MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
5. SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM PIPE WILL BE REQUIRED.
6. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT–OF–WAY MUST BE REMOVED IMMEDIATELY.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

5 STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

Scale: As Noted

Tri-Lakes Reliability Project

Environmental Work Plan Details

New York Power Authority

Sheet Number: 1

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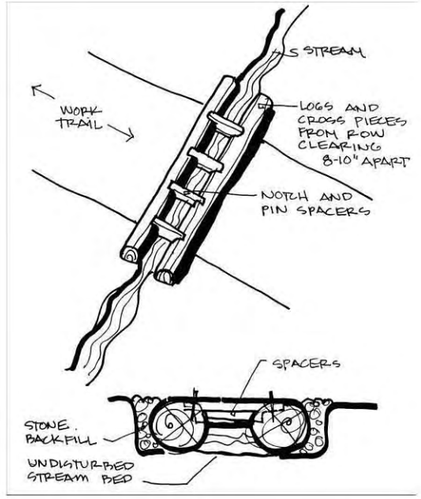
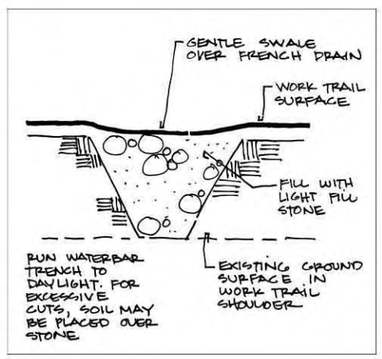


NOTES:

1. USE–FOR EQUALIZATION OF MODERATE FLOW, AS WELL AS FOR DITCH RELIEF WHEN A HIGHER OR CONTINUOUS DITCH FLOW MAY BE EXPECTED.
2. THEY SHALL BE INSTALLED ACROSS THE ROAD ON AN OBLIQUE ANGLE.
3. UTILIZE 10 TO 14 INCH DIAMETER LOGS, SET 8 TO 10 INCHES APART.
4. LOGS SHOULD BE SET INTO THE ROAD SO THAT THE TOP OF THE LOG IS EVEN OR SLIGHTLY BELOW THE ROAD SURFACE.

6 TYPICAL LOG CULVERT

N.T.S.



NOTES:

1. USE–FOR EQUALIZATION OF STANDING WATER LEVELS ACROSS THE WORK TRAIL, OR FOR THE RELIEF OF MODERATE SPRING SEE PAGE ACROSS THE WORK TRAIL IN HILLY TERRAIN.

7 TYPICAL FRENCH DRAIN

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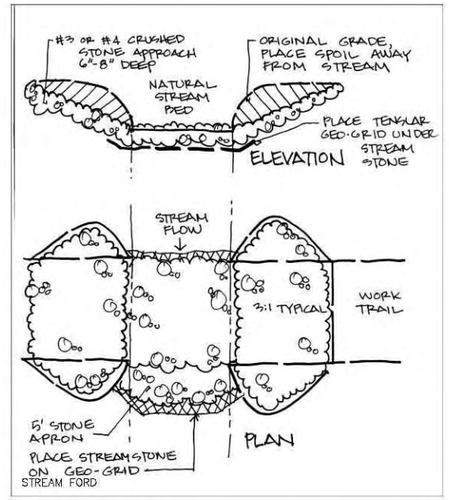
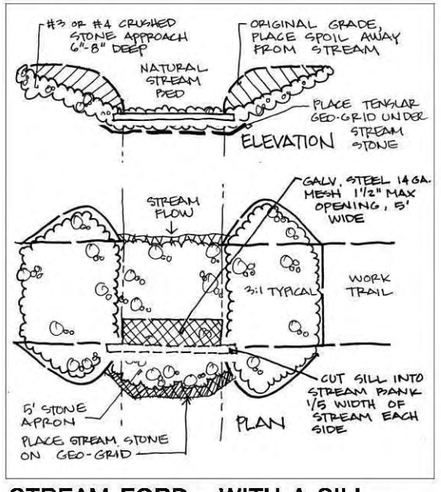


NOTES:

1. SILL TO BE 12"x12" TIMBER OR EQUALLY SUBSTANTIAL POLE, CONCRETE BEAM OR STEEL BEAM. CONCRETE MUST BE PRECAST, OF COMMERCIAL QUALITY WITH A MINIMUM OF 6 BAGS OF PORTLAND CEMENT PER YARD. PRIOR CORPORATION APPROVAL IS REQUIRED FOR ALL SILL MATERIAL.
2. BARS ARE TO BE NEW STEEL, ?": DRIVEN TO REFUSAL OR 6–0" MAXIMUM ON 2–0" CENTERS, WITH TOPS BENT DOWN–STREAM AND OFFERING POSITIVE SUPPORT TO SILL.
3. WIRE MESH MUST BE SECURELY FASTENED TO SILL WHERE MORE THAN ONE SECTION OF WIRE MESH IS REQUIRED. INDIVIDUAL SECTIONS SHALL BE SECURED WITH A CONTINUOUS 12 GA. GALVANIZED SPIRAL WIRE.
4. STONE IS TO BE ASTM C33, 3 ½" TO 1 ½" FROM SOURCE APPROVED BY THE CORPORATION.
5. FILTER SHEET SHALL BE CLOTH WOVEN POLYPROPYLENE MONOFILAMENT YARN, NOT LESS THAN 18 MILS THICK, WEIGHING NOT LESS THAN 7.35 OUNCES PER SQUARE YARD, POSITIVELY SECURED WITH PINS, STAPLES AND/OR RODS, AS OBTAINABLE FROM CARTHAGE MILLS, INC., CLEVELAND, OHIO OR EQUIVALENT. FILTER SHEET IS NOT REQUIRED WHERE SUBSOIL IS COARSE GRANULAR OR ROCK.

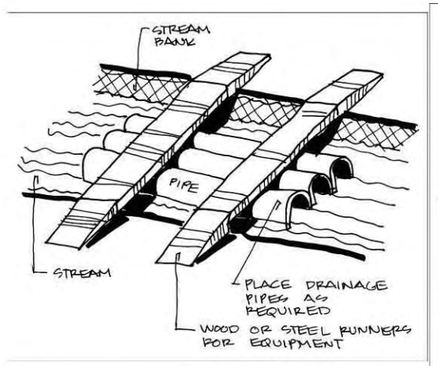
8 STREAM FORD - WITHOUT A SILL

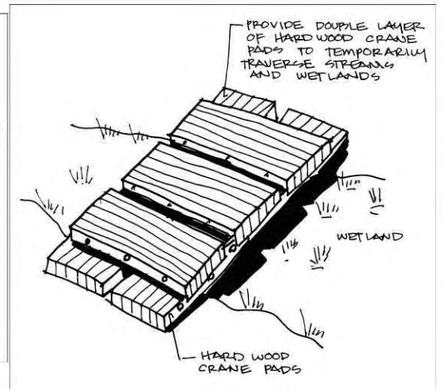
N.T.S.



9 STREAM FORD - WITH A SILL

N.T.S.



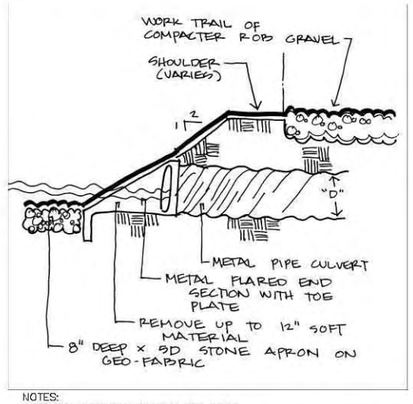


NOTES:

1. USE–WHERE STREAM APPROACHES AREA STEEP OR THE STREAM IS CHANNELIZED OR THIS TECHNIQUE MAY BE UTILIZED IN CROSSING PROTECTED STREAMS WHERE A MINIMUM DISTURBANCE TO THE STREAM SUBSTRATE IS NECESSARY.

10 TEMPORARY STREAM CROSSING

N.T.S.



NOTES:

1. CROWN ROADWAY ½ INCH PER FOOT.
2. LAY THE CULVERT STRAIGHT AND AS NEARLY AS POSSIBLE ALONG THE EXISTING STREAM BED AND WITH THE INVERTS SLIGHTLY BELOW BED ELEVATION TO ENABLE UNIMPEDED MOVEMENT OF AQUATIC SPECIES.
3. CORRUGATED METAL PIPE IS TO BE GALVANIZED STEEL, OR ALUMINIZED STEEL (TYPE 2), WITH BOLTED CONNECTORS. DIAMETERS SHALL BE AS PER THE PROJECT DRAWINGS AND THE SPECIFICATION. THE PIPE GAGE SHALL BE AS FOLLOWS:

DIAMETER IN INCHES	GAGE
12"–15"	0.004"
18"–24"	0.079"
30"–36"	0.109"

4. INSTALLATION OF CULVERTS LARGER THAN 36–INCH DIAMETER SHALL REQUIRE SPECIAL ENGINEERING DESIGN.
5. SELECT SUBGRADE SHALL BE A GRANULAR MATERIAL AS DESCRIBED IN NYSDOT SPECIFICATION ITEM 203–2.02C.
6. STONE RIP–RAP SHALL BE AS DESCRIBED IN NYSDOT SPECIFICATION ITEM 203–2.02D, WITH 8 INCH MAXIMUM SIZE.
7. EXCEPT WHERE PROTECTED BY STONE, ALL EMBANKMENT SLOPES ARE TO BE STABILIZED, MULCHED, AND SEEDED AS PER PROJECT SPECIFICATIONS.
8. OUTLET SHALL BE CONFIGURED NOT TO CREATE HYDRAULIC JUMP OR PLUNGE POOL.
9. INSTALL BEAVER GUARDS AS DIRECTED.

11 CORRUGATED STEEL CULVERT

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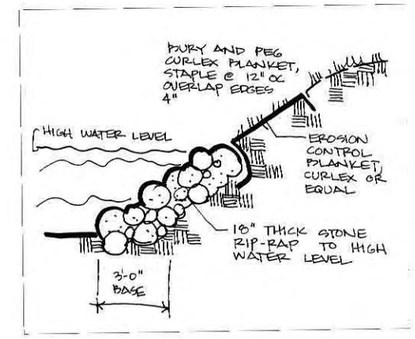

NOTES:

1. ALL RIP–RAP ACTIVITIES MUST COMPLY WITH THE CONDITIONS OF THE PERMITS.
2. LIMIT USE OF RIP–RAP TO AREAS WHERE FLOW CONDITIONS PRE–EMPT VEGETATIVE STABILIZATION.

12 STREAM BANK STABILIZATION

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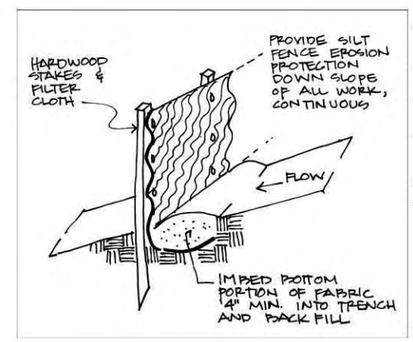

SILT FENCE CRITERIA		
SLOPE STEEPNESS	SLOPE LENGTH (MAX.)	SILT FENCE LENGTH (MAX.)
FLATTER THAN 50:1	UNLIMITED	UNLIMITED
50:1 TO 10:1	125 FT.	1000 FT.
10:1 TO 5:1	100 FT.	750 FT.
5:1 TO 3:1	80 FT.	500 FT.
3:1 TO 2:1	40 FT.	250 FT.
2:1 TO STEEPER	20 FT.	125 FT. NOTE:

INSTALLATION NOTES:

1. EXCAVATE A MINIMUM 6–INCH TRENCH ALONG THE BASE OF SILT FENCE LOCATION.
2. UNROLL A SECTION AT A TIME AND POSITION WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM TRENCH BOTTOM.
4. LAY THE TOE–IN FLAP OF FABRIC INTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.

CONSTRUCTION SPECIFICATION

1. GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID–SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

   TENSILE STRENGTH 50 LBS/IN (MIN.) TEST: MSMT 509
   TENSILE MODULUS 20 LBS/IN (MIN.) TEST: MSMT 509
   FLOW RATE 0.3 GAL FT2/MINUTE (MAX.) TEST: MSMT 322
   FILTERING EFFICIENCY 75% (MIN.) TEST: MSMT 322

2. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED, AND STAPLED TO PREVENT SEDIMENT BYPASS.
3. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 50 THE FABRIC HEIGHT.
4. IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE LIMITED. IN THESE AREAS, A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

13 SILT FENCE

N.T.S.

Scale: As Noted

Tri-Lakes Reliability Project

Environmental Work Plan Details

New York Power Authority

Sheet Number: 2

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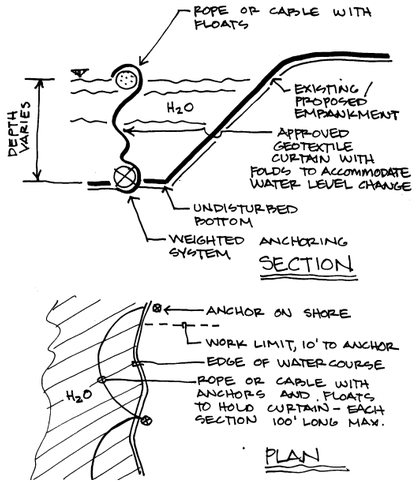
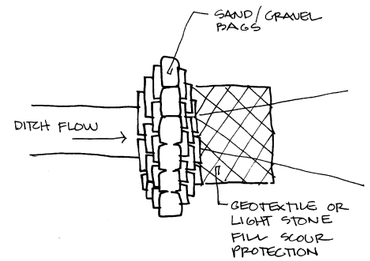


NOTES:

1. A TURBIDITY CURTAIN SHALL BE INSTALLED IN A WATERBODY WHEN WORK IS REQUIRED IN OR NEAR A BODY OF WATER, ESPECIALLY WHEN DIRECTIONAL DRILLING IS USED.
2. THEY SHALL NOT BE PLACED ACROSS A FLOWING STREAM.
3. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES.

14 TURBIDITY CURTAIN

N.T.S.

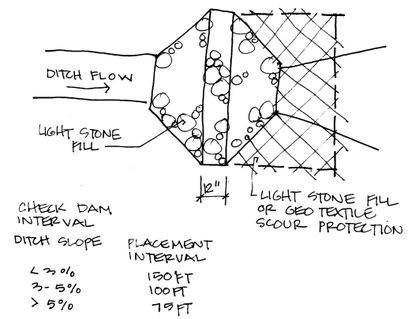


NOTES:

1. THEY SHALL BE USED TO FORM CHECK DAMS ALONG A DITCHLINE OR TO CONSTRUCT A TEMPORARY SEDIMENT BASIN TO RECEIVE MUDDY WATER DISCHARGE.
2. BAGS SHALL BE FABRICATED FROM REINFORCED WOVEN GEOTEXTILE, BURLAP BAGS SHALL NOT BE USED.
3. SAND OR GRAVEL SHALL BE USED AS FILL MATERIAL.
4. ALL MATERIAL SHALL BE DOUBLE BAGGED.

15 GRAVEL AND SAND BAG CHECK DAM

N.T.S.

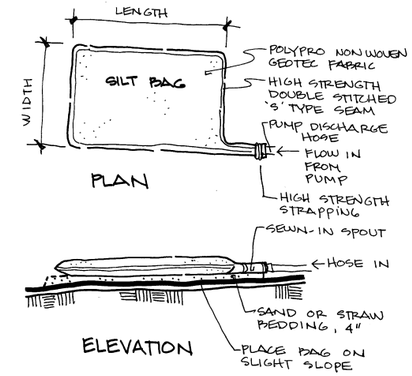


CONSTRUCTION SPECIFICATION

1. INSTALLATION WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE DAM A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

16 ROCK CHECK DAM

N.T.S.

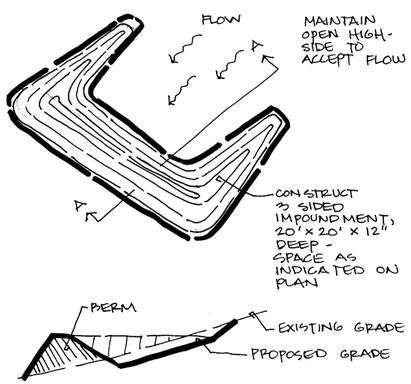


NOTES:

1. USE—THEY SHALL BE USED FOR DEWATERING AT BORE SITES, BORE PITS AND RECEIVING PITS, AS NECESSARY TO PREVENT SEDIMENT LADEN RESOURCES FROM ENTERING WATER RESOURCES.
2. LOCATION—THEY SHALL BE SET AT LEAST 150 FEET FROM A DESIGNATED WATER RESOURCE, OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
3. WHEN A SILT BAG IS FULL, IT SHALL BE CUT OPEN AND SEDIMENT REMOVED ONSITE.

17 SILT BAG

N.T.S.

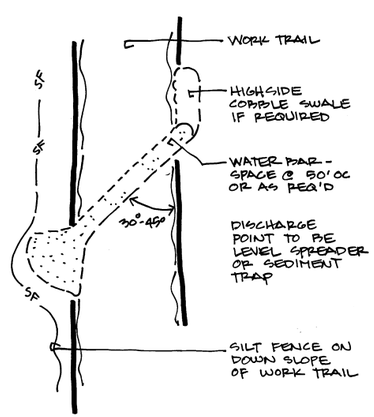


NOTES:

1. USE—THEY SHALL BE USED TO PROTECT SURFACE WATER RESOURCES FROM ANY RUNOFF PRODUCED DURING THE COURSE OF THE PROJECT.
2. LOCATIONS OF SEDIMENT BASINS IS SHOWN ON THE EWP DRAWINGS.
3. THEY SHALL BE CONSTRUCTED AT A STANDARD SIZE OF 20 FEET WIDE X 20 FEET LONG X 1 FOOT DEEP.

18 TEMPORARY SEDIMENT BASIN

N.T.S.

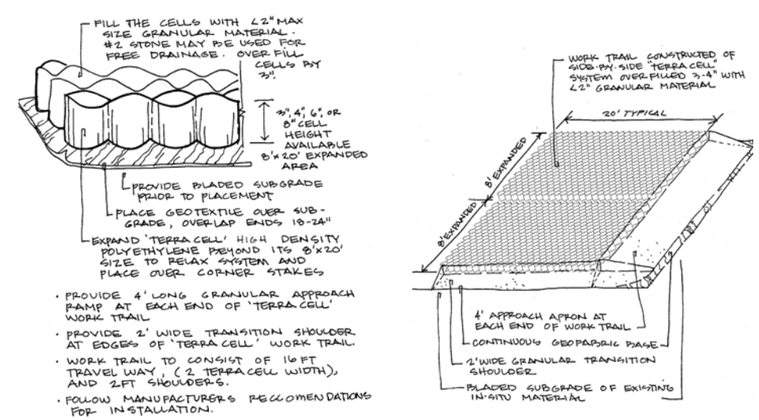


NOTES:

1. INSTALL THE WATER BAR AS SOON AS THE RIGHT-OF-WAY IS CLEARED AND GRADED.
2. DISK OR STRIP THE SOD FROM THE BASE FOR THE CONSTRUCTED RIDGE BEFORE PLACING FILL.
3. TRACK THE RIDGE TO COMPACT IT TO THE DESIGN CROSS-SECTION.
4. THE OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA. FIELD SPACING WILL BE ADJUSTED TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION WILL BE PROVIDED WHEN NATURAL AREAS ARE NOT ADEQUATE.
5. VEHICLE CROSSING SHALL BE STABILIZED WITH GRAVEL. EXPOSED AREAS SHALL BE IMMEDIATELY SEEDED AND MULCHED.
6. PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT. CHECK OUTLET AREAS AND MAKE REPAIRS WITHIN 24 HOURS OF THE DISTURBANCE.

19 WATER BAR

N.T.S.



20 CELLULAR CONFINEMENT SYSTEM

N.T.S.

Scale: As Noted

Tri-Lakes Reliability Project

Environmental Work Plan Details

New York Power Authority

Sheet Number: 3

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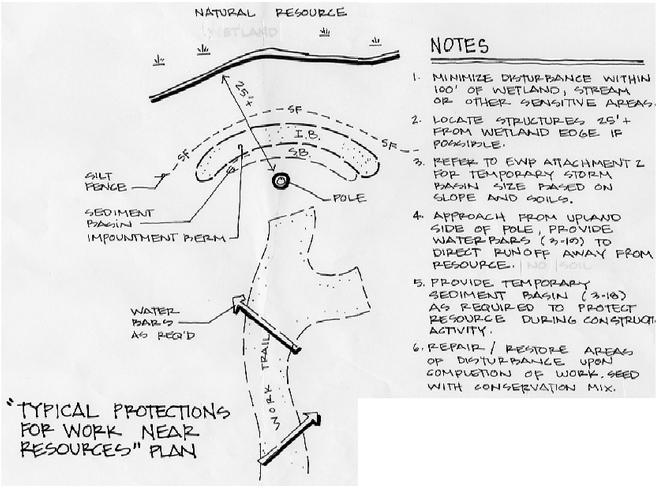
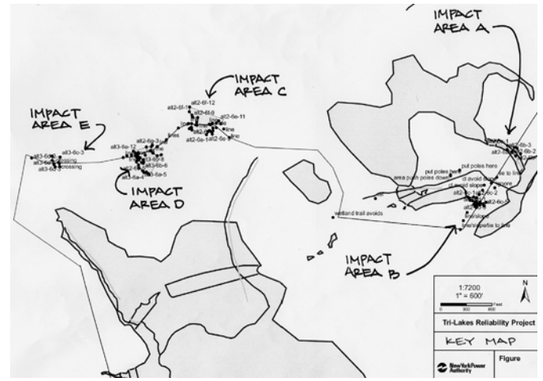


NOTES

1. MINIMIZE DISTURBANCE WITHIN 100' OF WETLAND, STREAM OR OTHER SENSITIVE AREAS.
2. LOCATE STRUCTURES 25'+ FROM WETLAND EDGE IF POSSIBLE.
3. REFER TO EWP ATTACHMENT 2 FOR TEMPORARY STORM BASIN SIZE BASED ON SLOPE AND SOILS.
4. APPROACH FROM UPLAND SIDE OF POLE, PROVIDE WATER BARS (3.10) TO DIRECT RUNOFF AWAY FROM RESOURCE.
5. PROVIDE TEMPORARY SEDIMENT BASIN (3.18) AS REQUIRED TO PROTECT RESOURCE DURING CONSTRUCTION ACTIVITY.
6. REPAIR / RESTORE AREAS OF DISTURBANCE UPON COMPLETION OF WORK. SEED WITH CONSERVATION MIX.

21 RESOURCE PROTECTION

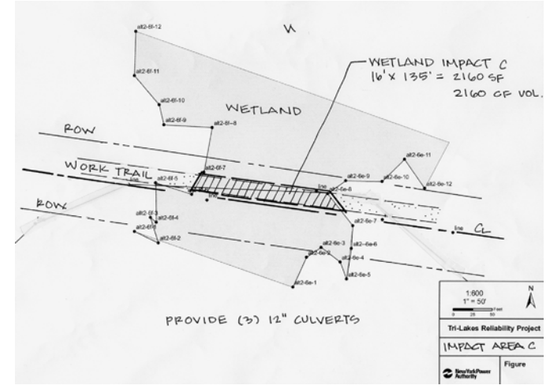
N.T.S.



- KEY MAP

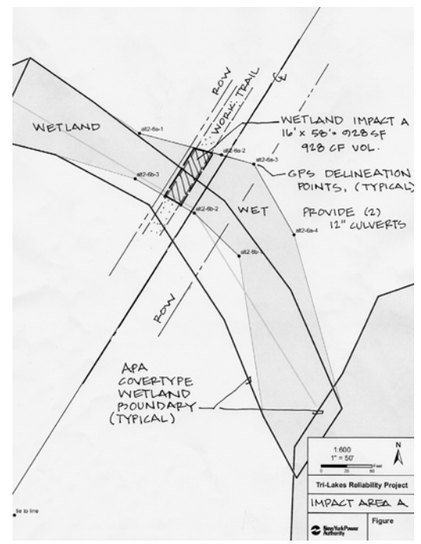
(SEE EWP SHEETS 10 & 11)

N.T.S.



- IMPACT AREA - C

N.T.S.



- IMPACT AREA - A

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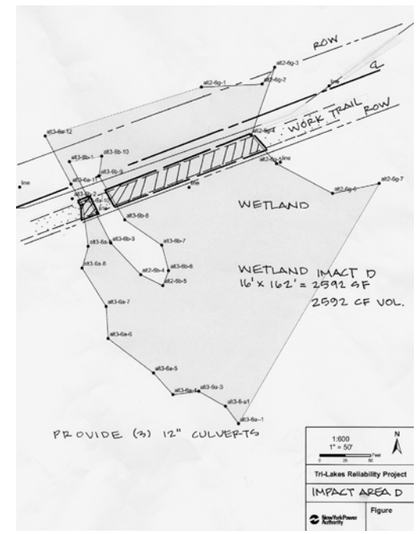

- IMPACT AREA - D

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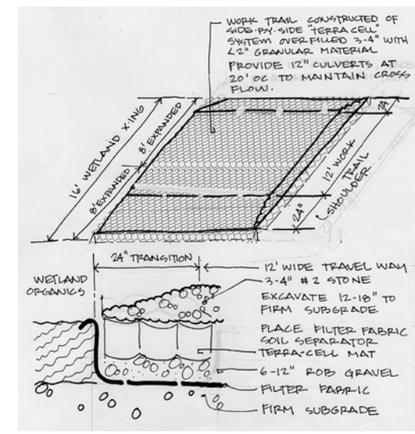
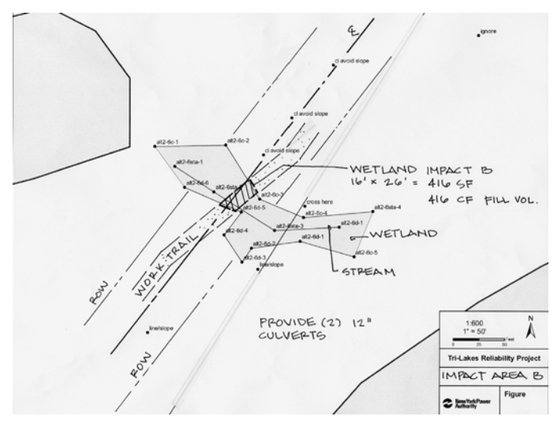


- WETLAND CROSSING

(SEE DETAIL 20)

N.T.S.



- IMPACT AREA - B

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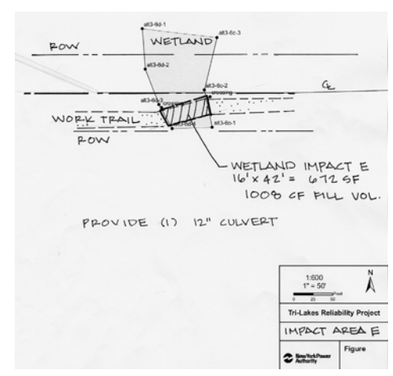

- IMPACT AREA - E

N.T.S.

Scale: As Noted

Tri-Lakes Reliability Project

Wetland Impact Areas for Preferred Route

New York Power Authority

Sheet Number: 4

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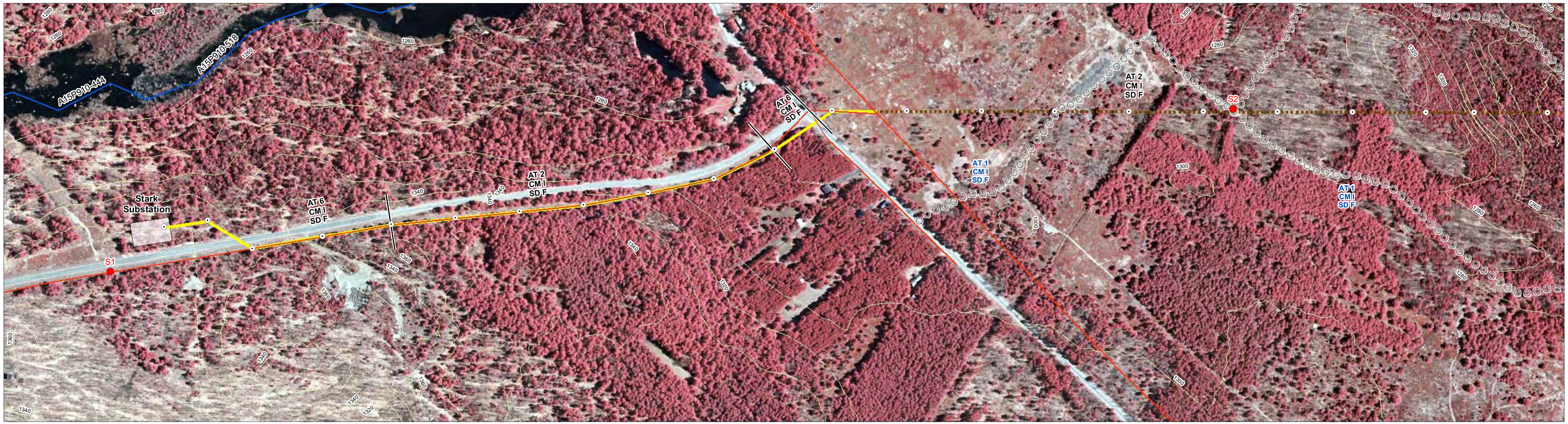

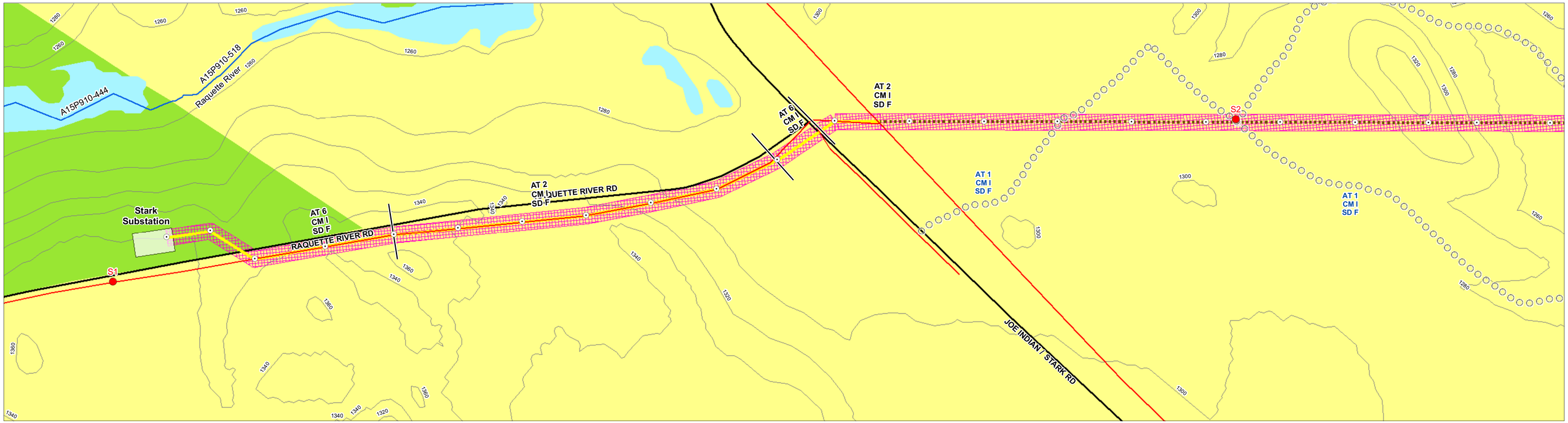

Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
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APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

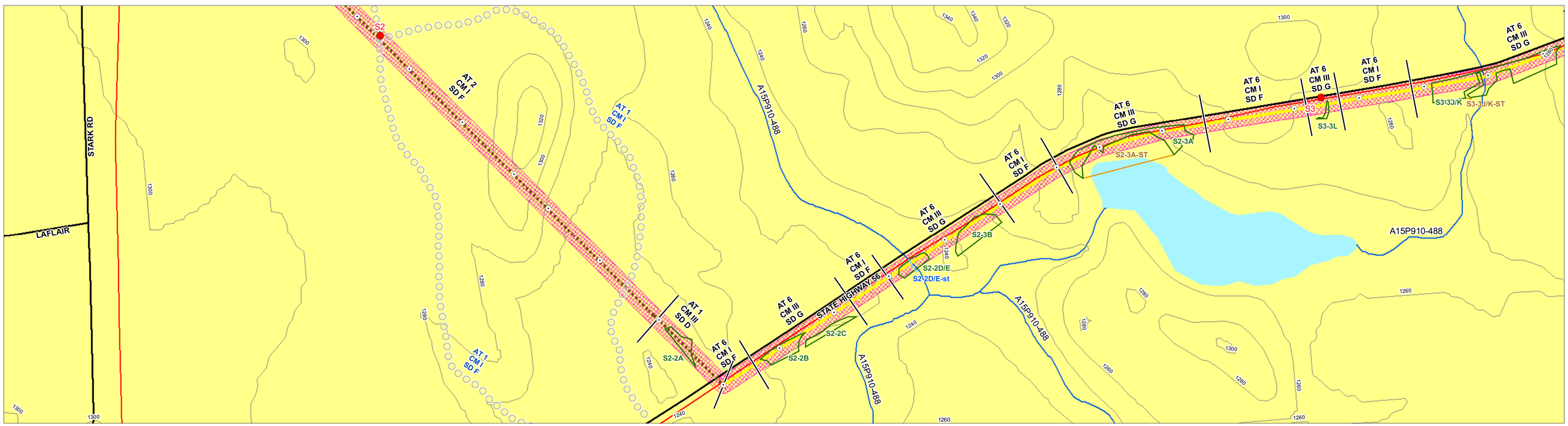
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 1
EWP Map S1 - S2
Revised: 12/22/05



Legend

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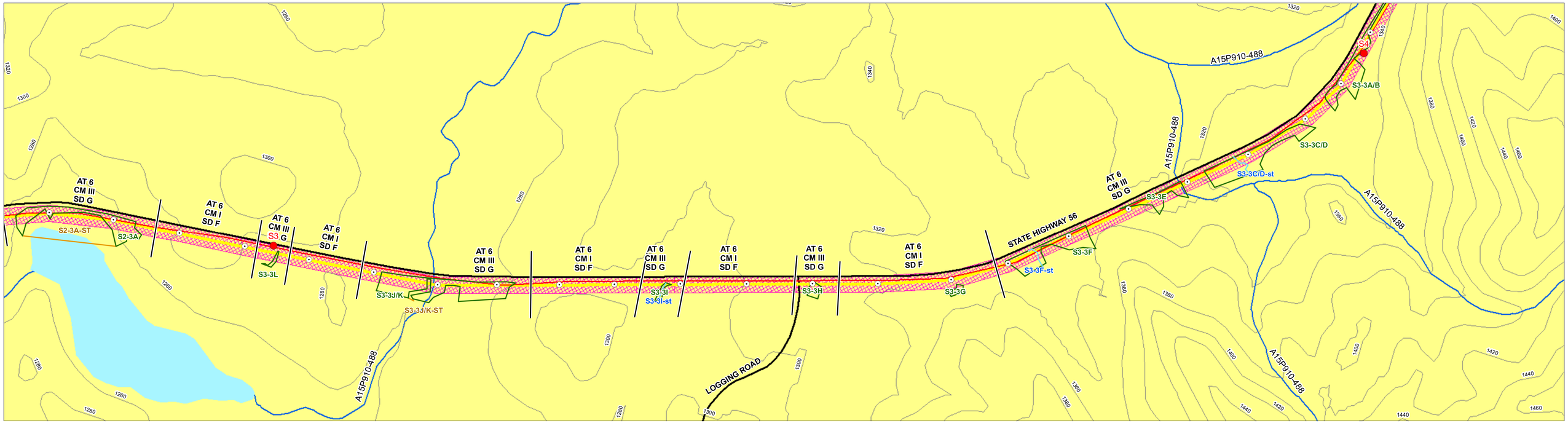
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 2
EWP Map S2 - S3
Revised: 12/22/05



Legend

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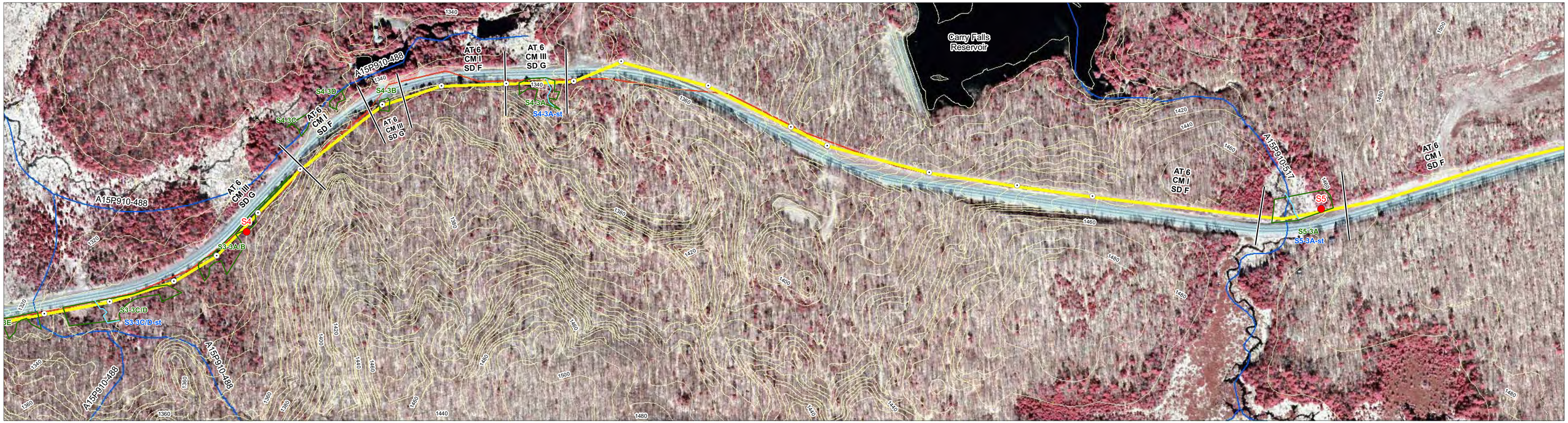
0 100 200 400 600 800 Feet

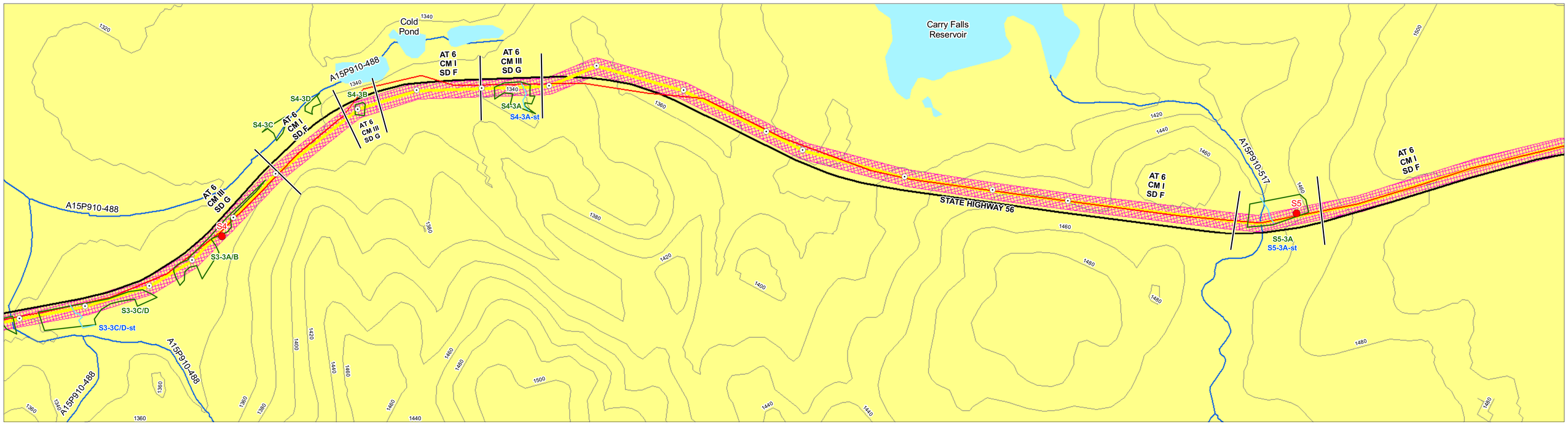
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 3
EWP Map S3 - S4
Revised: 12/22/05





Legend

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AT 2
CM I
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Notes: UTM Zone 18 NAD 83

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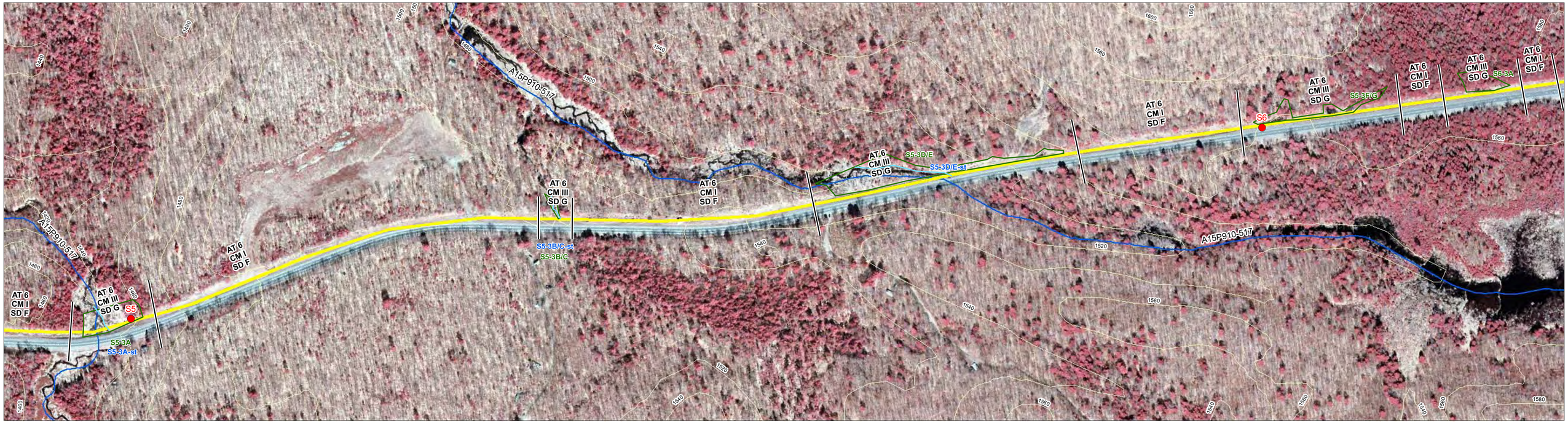
0 100 200 400 600 800 Feet

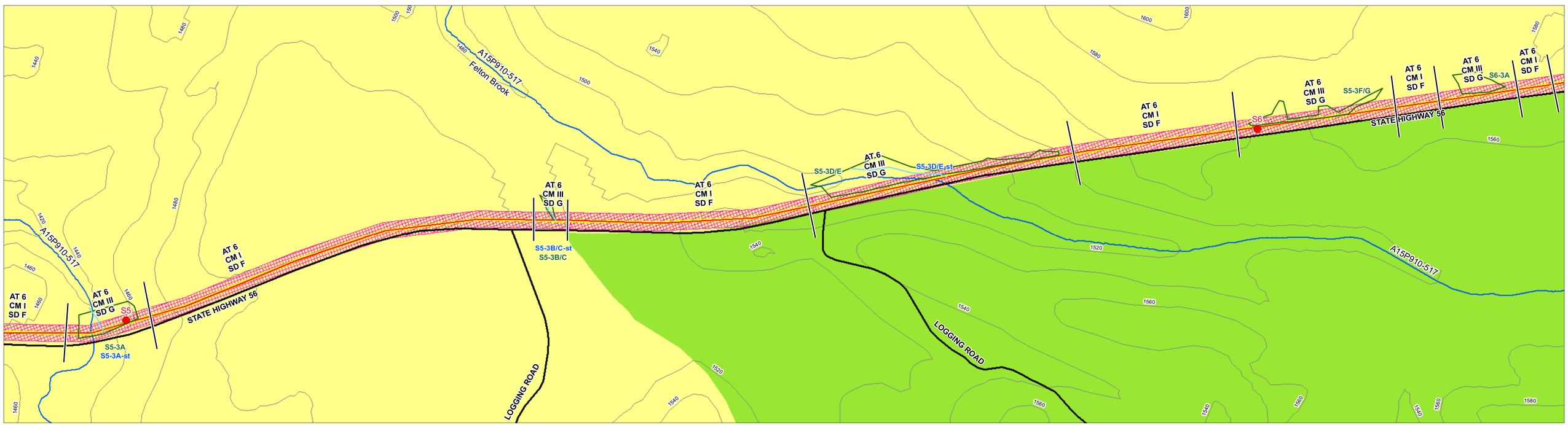
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 4
EWP Map S4 - S5
Revised: 12/22/05





Legend

Existing Condition

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Notes: UTM Zone 18 NAD 83

1:2400
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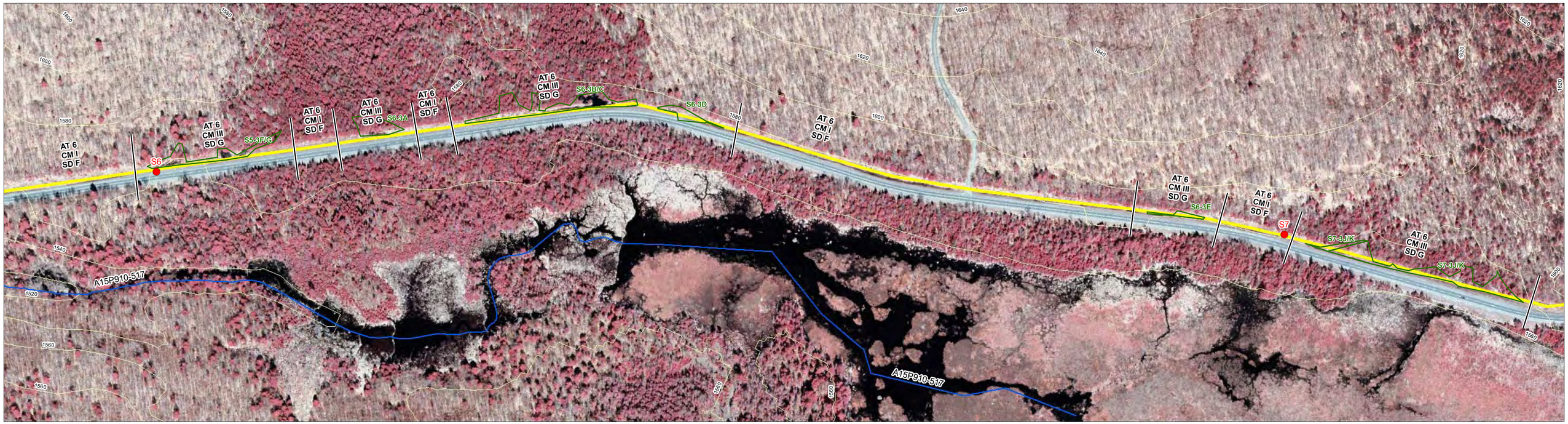
0 100 200 400 600 800 Feet

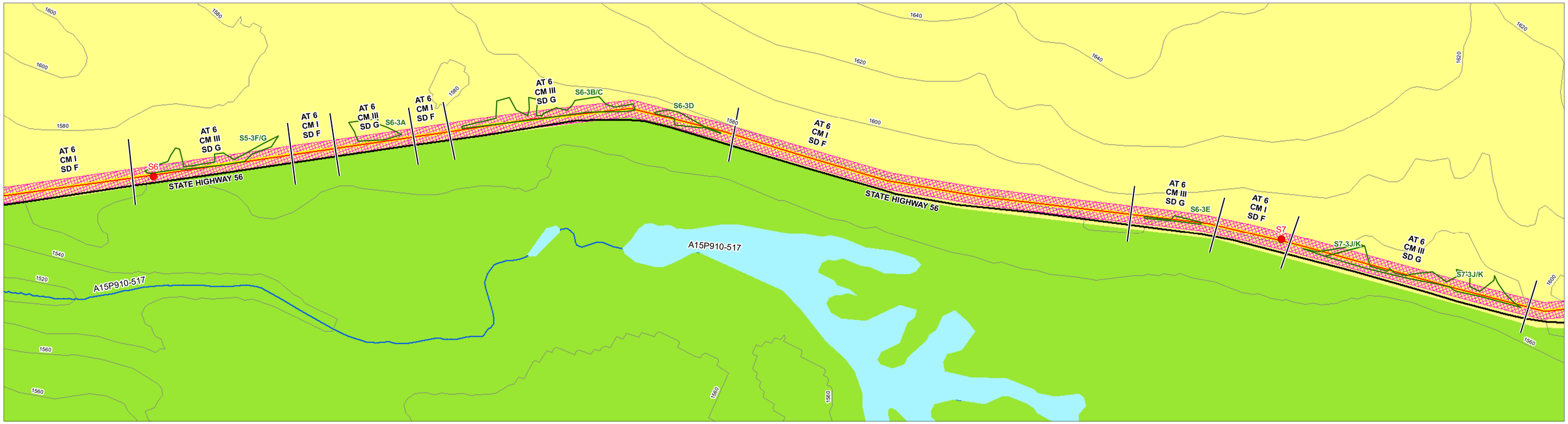
Tri-Lakes Reliability Project

Environmental Work Plan

NewYorkPower Authority

Sheet 5
EWP Map S5 - S6
Revised: 12/22/05





Legend

Existing Condition
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Proposed Transmission Line
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AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

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Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 6
EWP Map S6 - S7
Revised: 12/22/05

Legend

Existing Condition
- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line
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EWP Legend
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Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

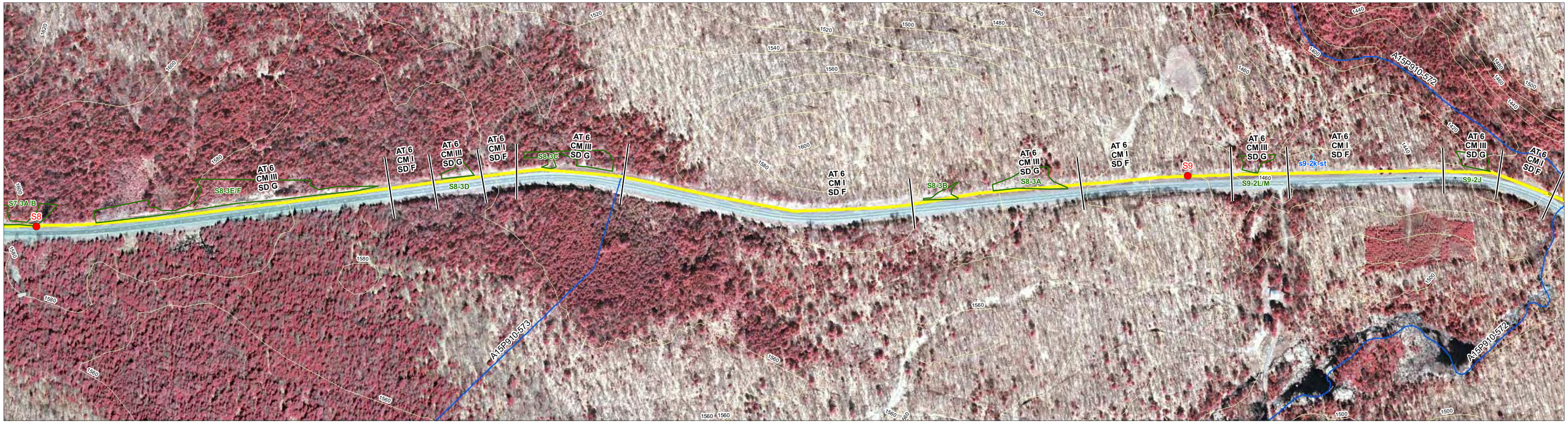
1:2400
1" = 200'
0 100 200 400 600 800 Feet

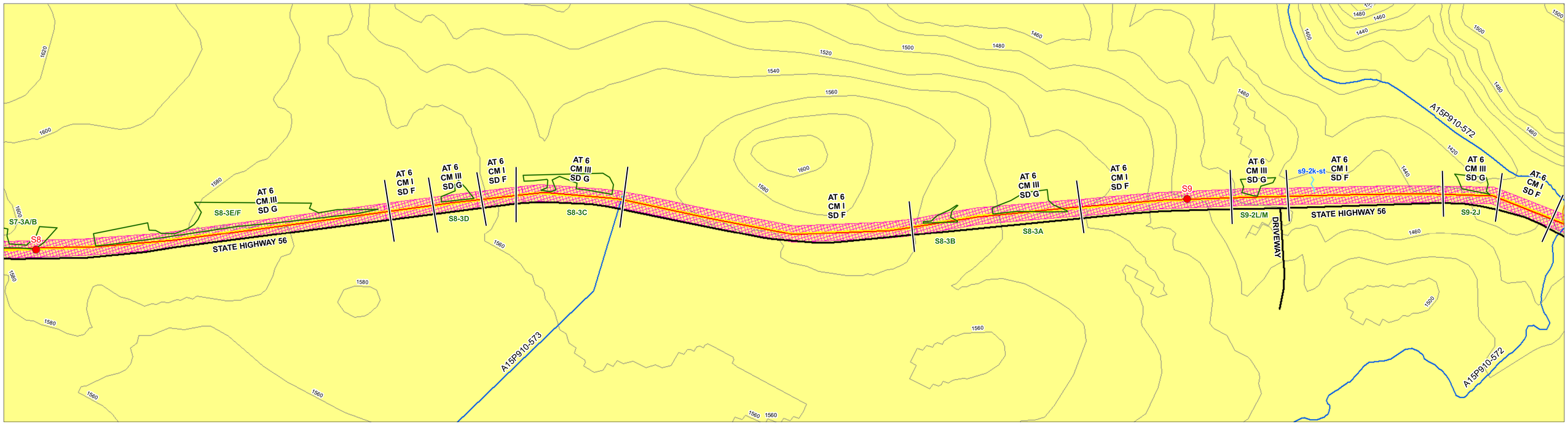
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 7
EWP Map S7 - S8
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

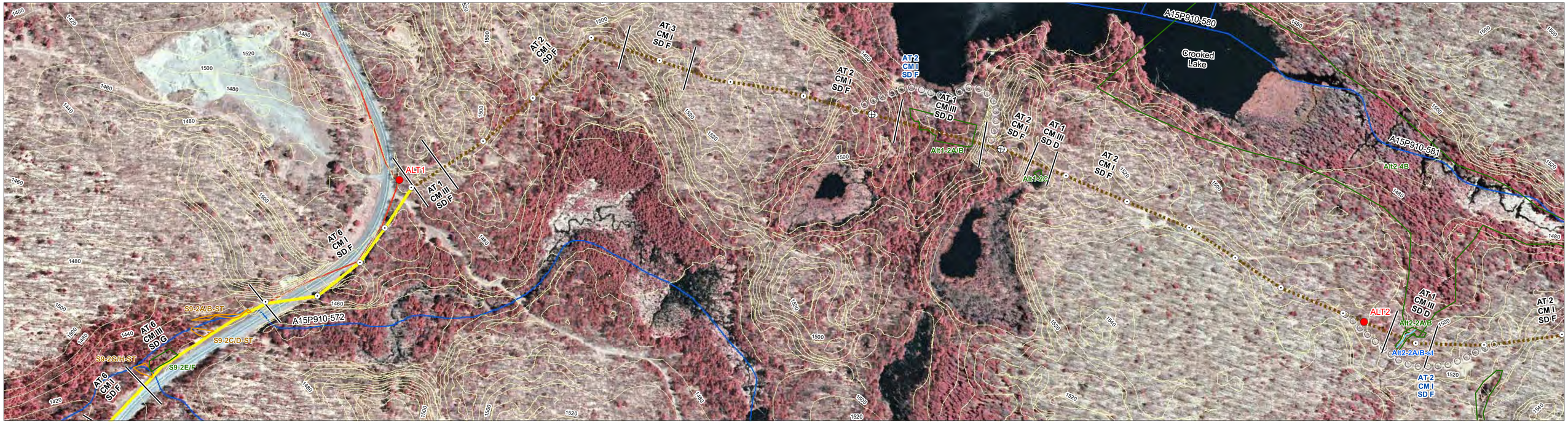
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

NewYorkPower Authority

Sheet 8
EWP Map S8 - S9
Revised: 12/22/05



Legend

Existing Condition
- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line
- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend
- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork
- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend
- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

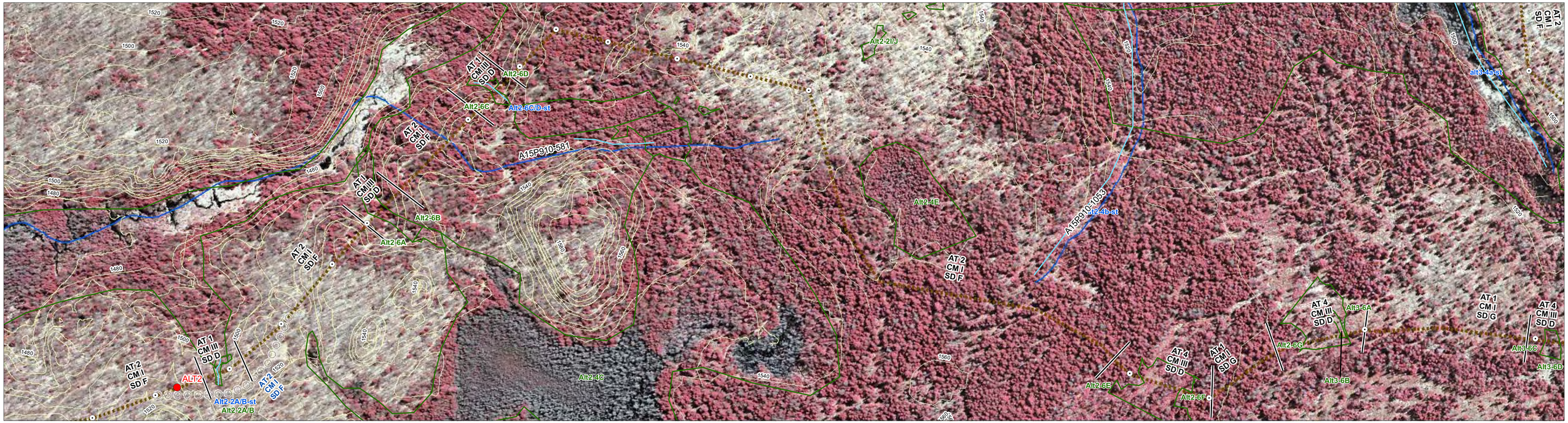
1:2400
1" = 200'
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 9
EWP Map ALT1 - ALT2
Revised: 12/22/05



Legend

Existing Condition
- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line
- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend
- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork
- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend
- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT
Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

0 100 200 400 600 800 Feet

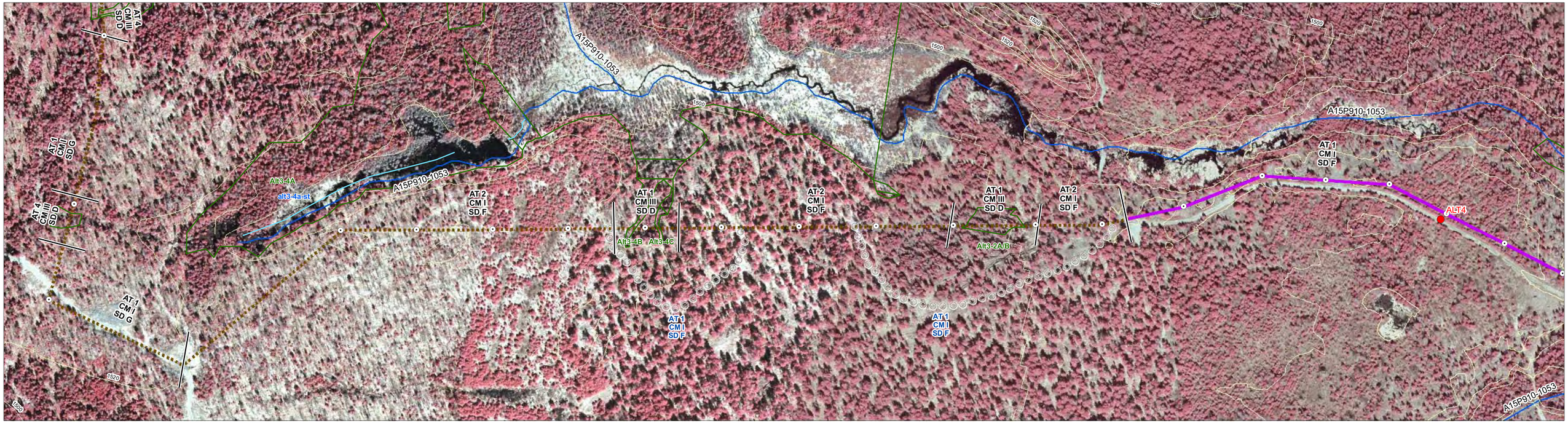
N

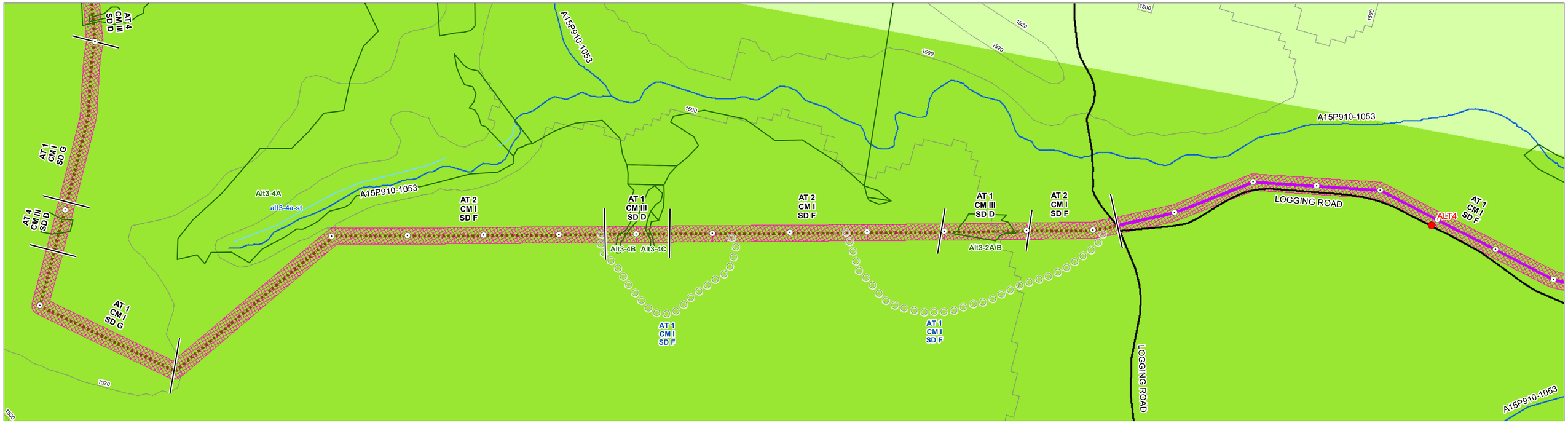
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 10
EWP Map ALT2 - ALT3
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 11
EWP Map ALT3 - ALT4
Revised: 12/22/05

Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F
} Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:

- NYS GIS Clearing House
- NYS Adirondack Park Agency
- NYS DEC
- NY Power Authority
- National Grid
- NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

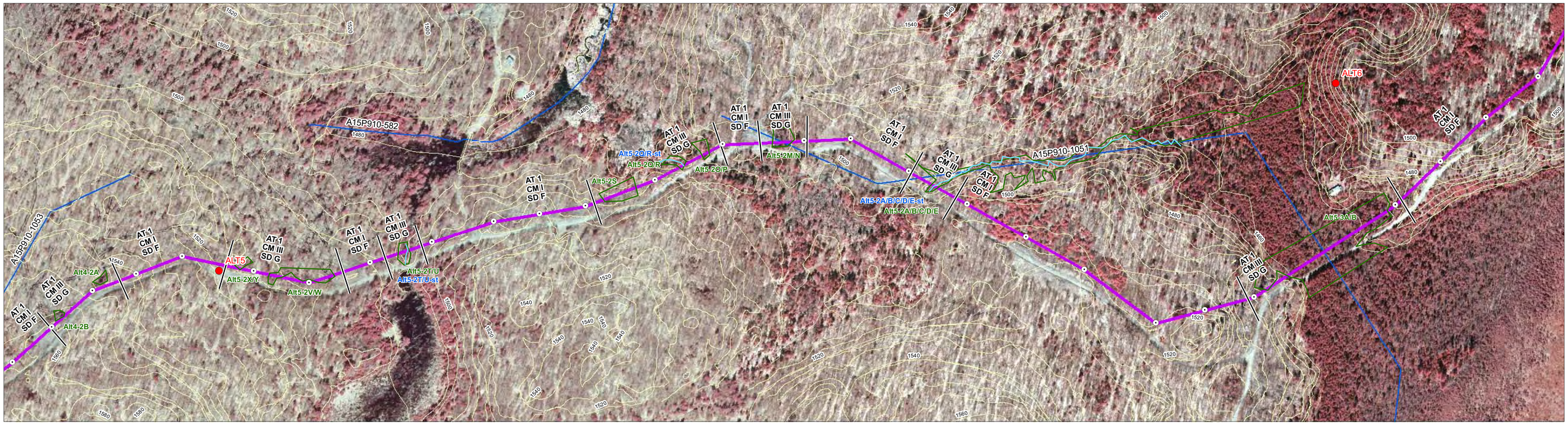
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 12
EWP Map ALT4 - ALT5
Revised: 12/22/05



Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

0 100 200 400 600 800 Feet

N

Tri-Lakes Reliability Project

Environmental Work Plan

NewYorkPower Authority

Sheet 13
EWP Map ALT5 - ALT6
Revised: 12/22/05

Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

N

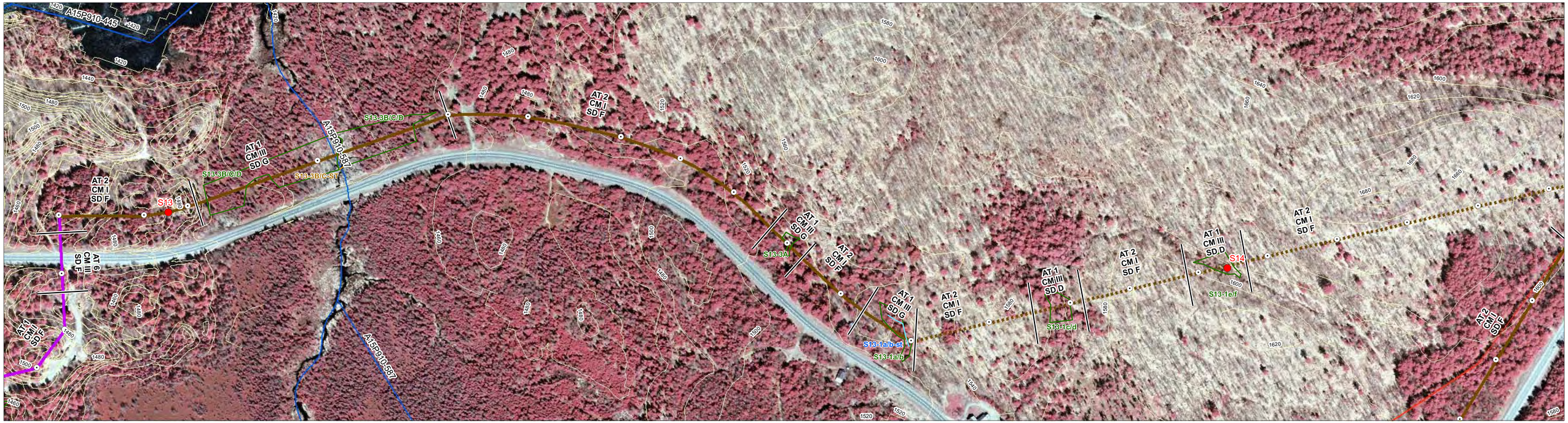
0 100 200 400 600 800 Feet

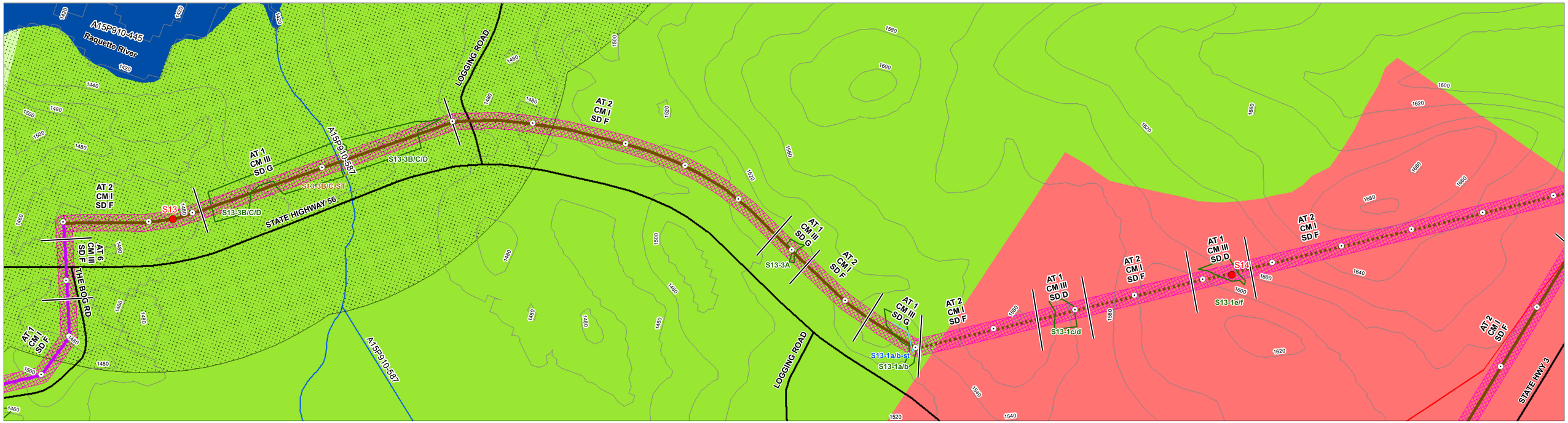
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 14
EWP Map ALT6 - S13
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

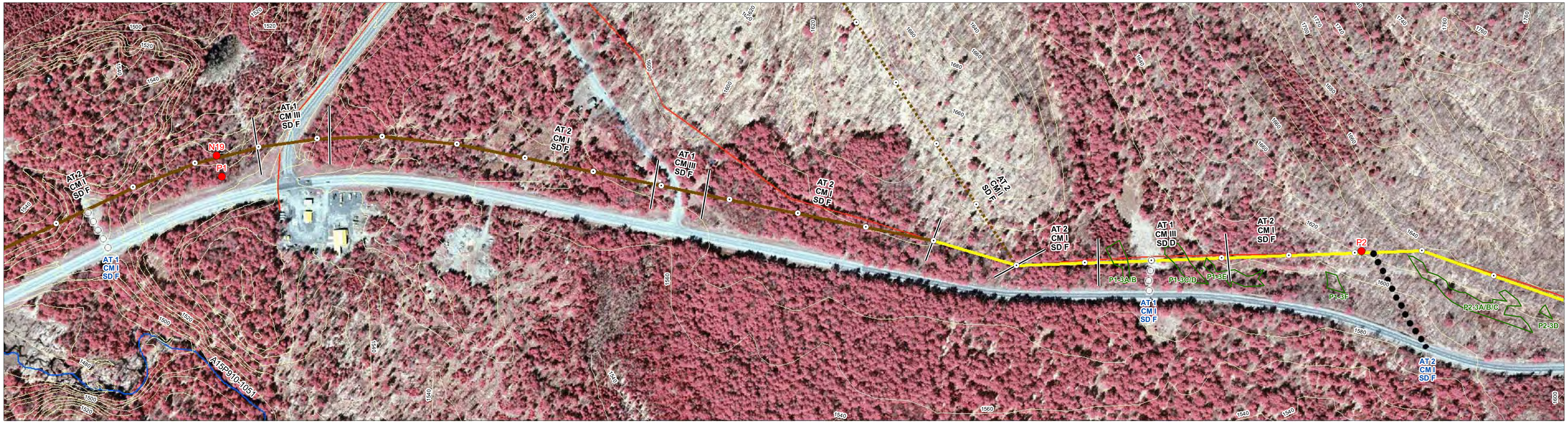
0 100 200 400 600 800 Feet

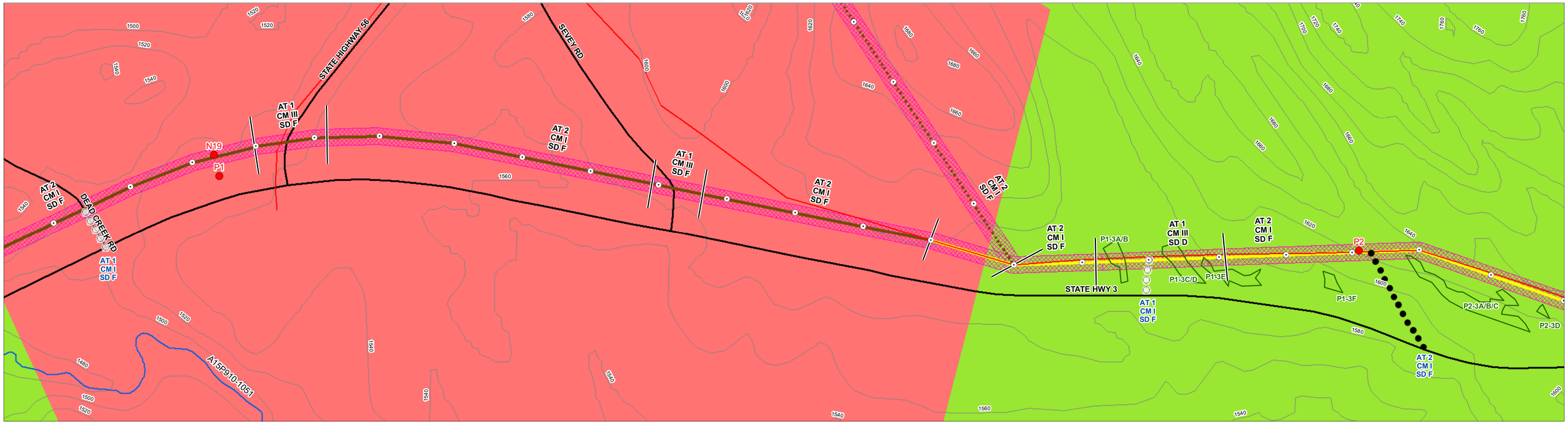
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 15
EWP Map S13 - S14
Revised: 12/22/05





Legend

Existing Condition
- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line
- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend
- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork
- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend
- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

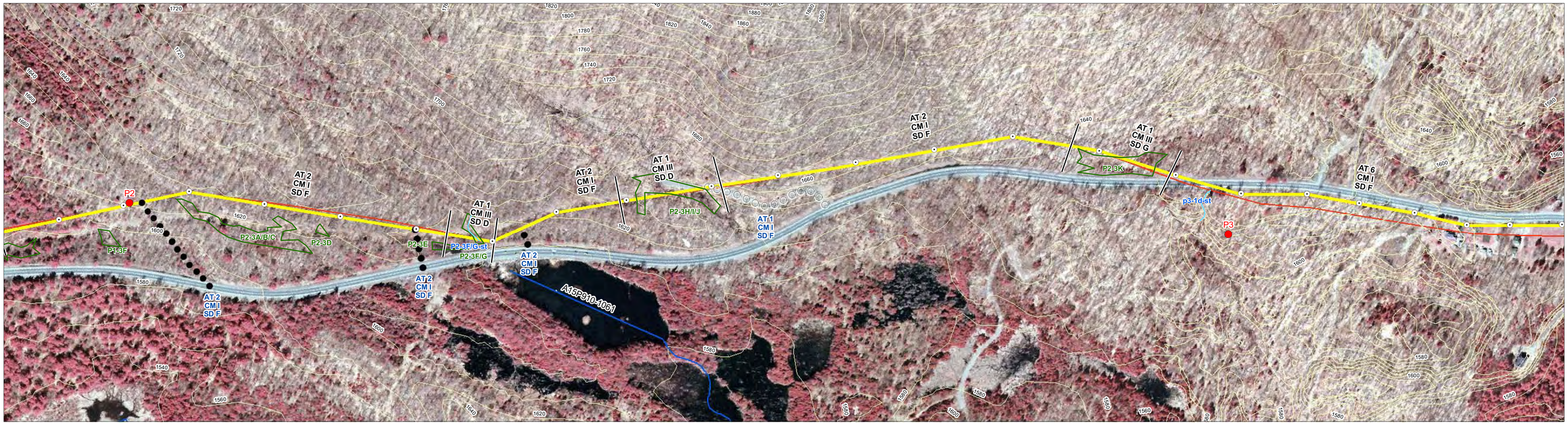
1:2400
1" = 200'
N
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 16
EWP Map P1 - P2
Revised: 12/1/05



Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

0 100 200 400 600 800 Feet

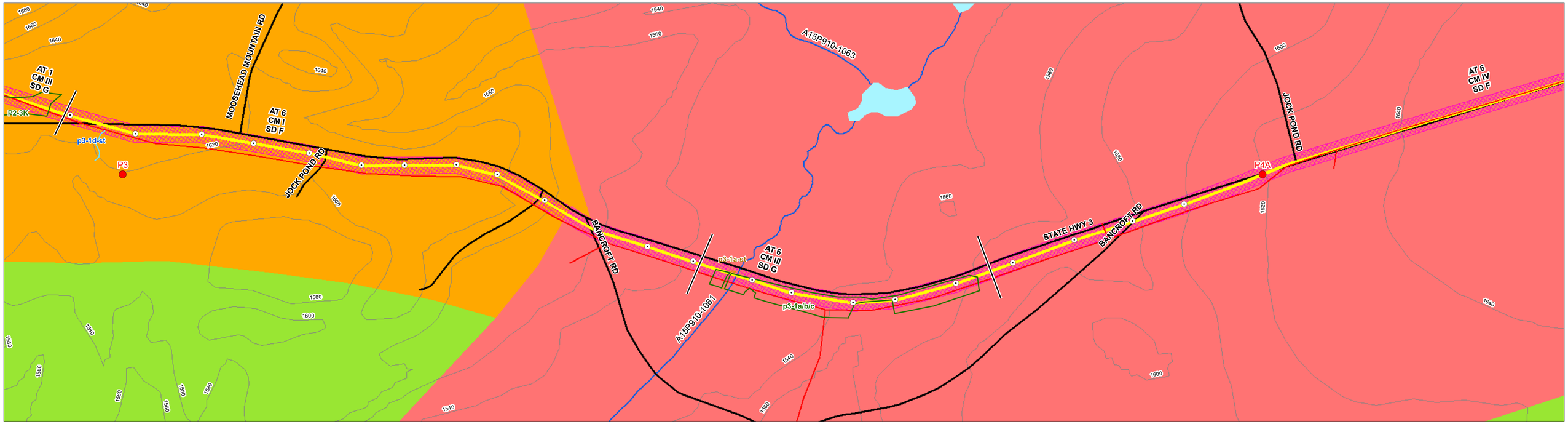
N

Tri-Lakes Reliability Project

Environmental Work Plan

NewYorkPower Authority

Sheet 17
EWP Map P2 - P3
Revised: 12/1/05



Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F
} Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT
Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

N

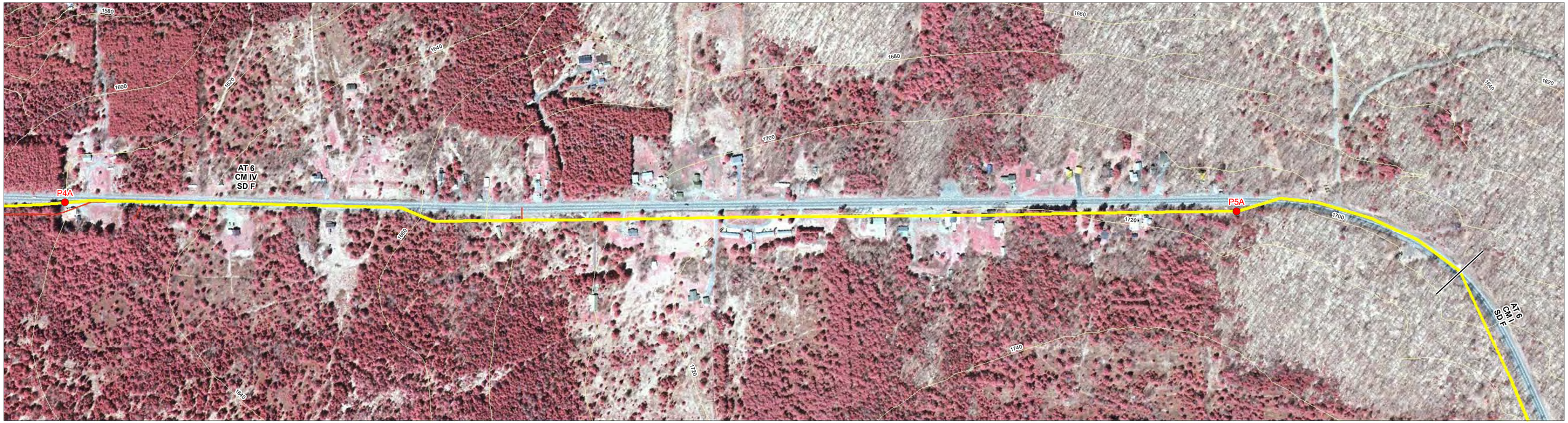
0 100 200 400 600 800 Feet

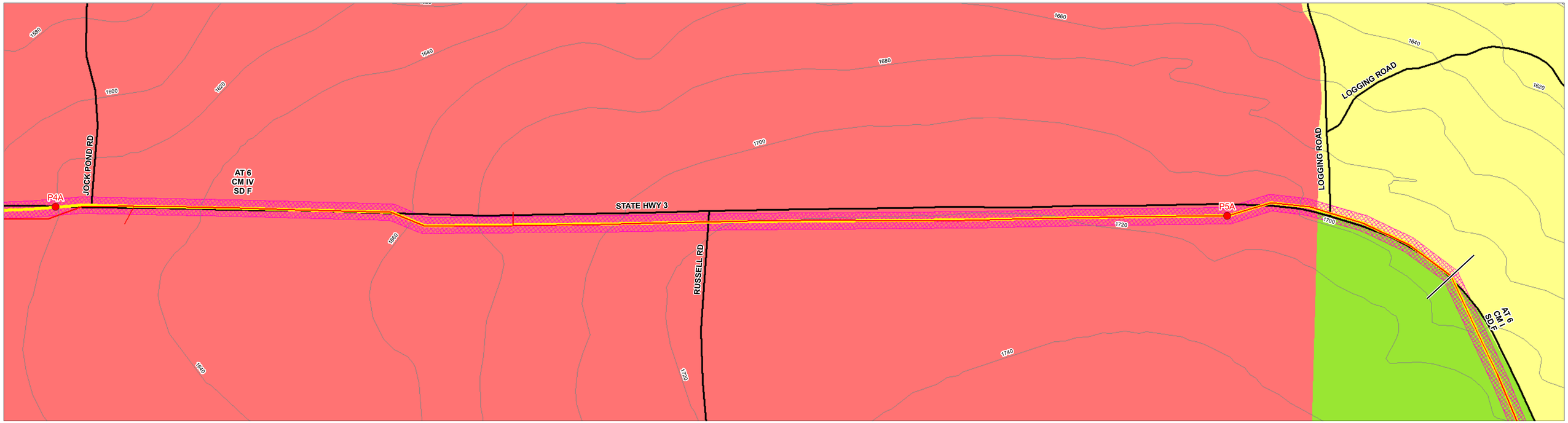
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 18
EWP Map P3 - P4A
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

N

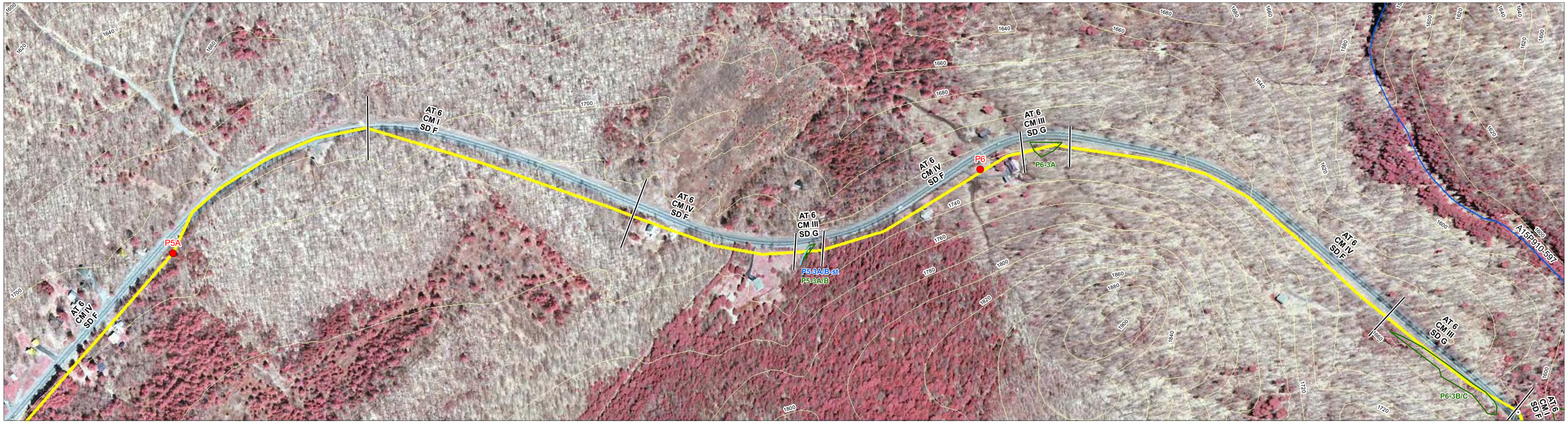
0 100 200 400 600 800 Feet

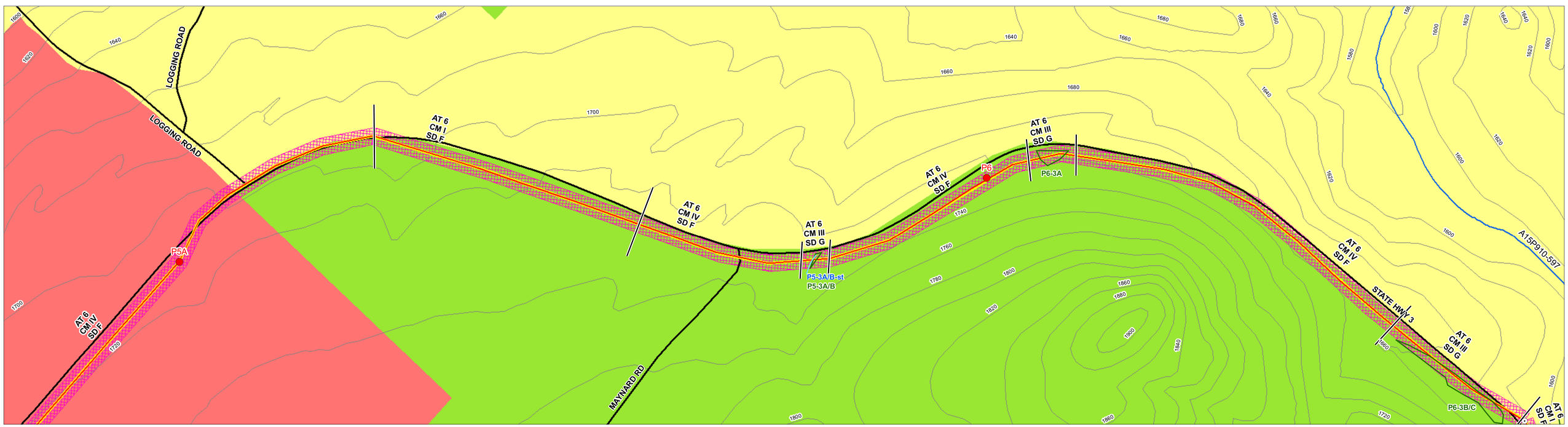
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 19
EWP Map P4A - P5A
Revised: 12/22/05





Legend

Existing Condition
- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line
- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend
- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2, CM I, SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork
- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend
- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT
Notes: UTM Zone 18 NAD 83

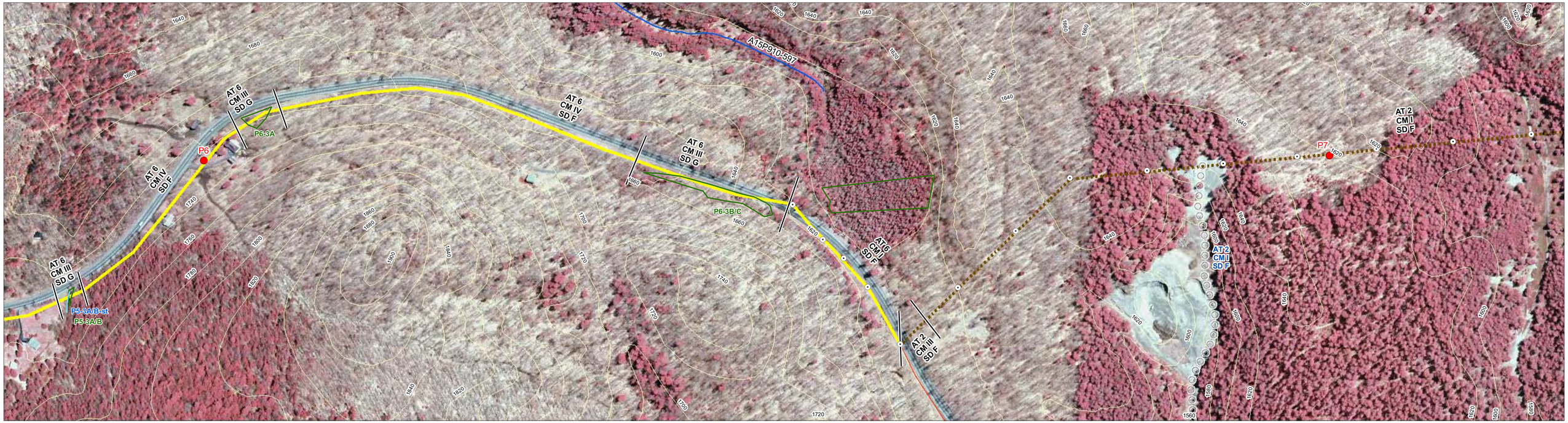
1:2400
1" = 200'
0 100 200 400 600 800 Feet

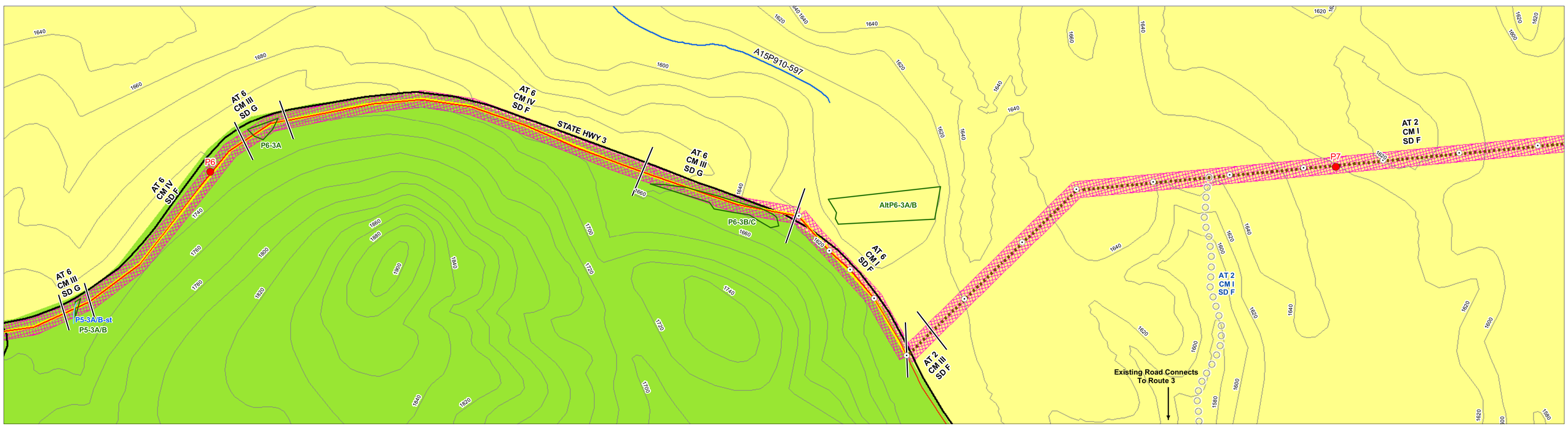
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 20
EWP Map P5A - P6
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2, CM I, SD F — Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

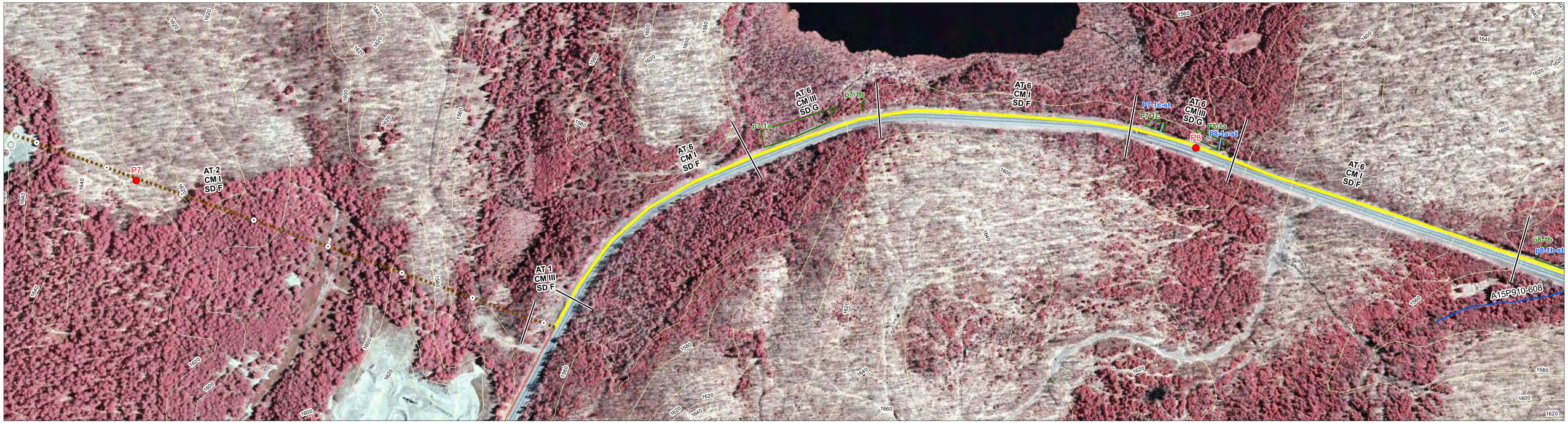
0 100 200 400 600 800 Feet

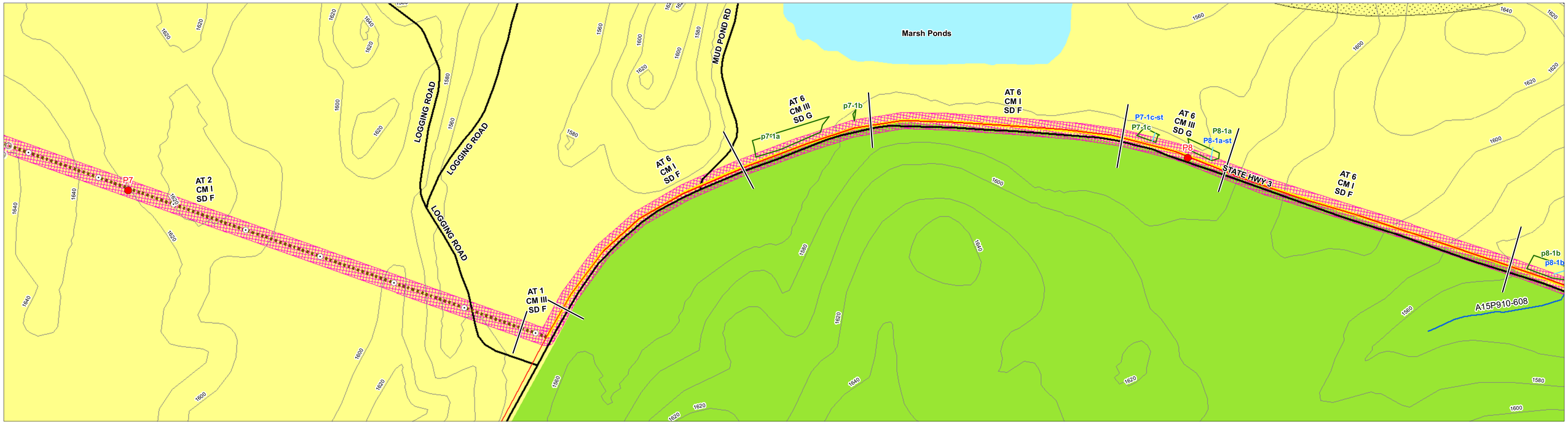
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 21
EWP Map P6 - P7
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes:
UTM Zone 18 NAD 83

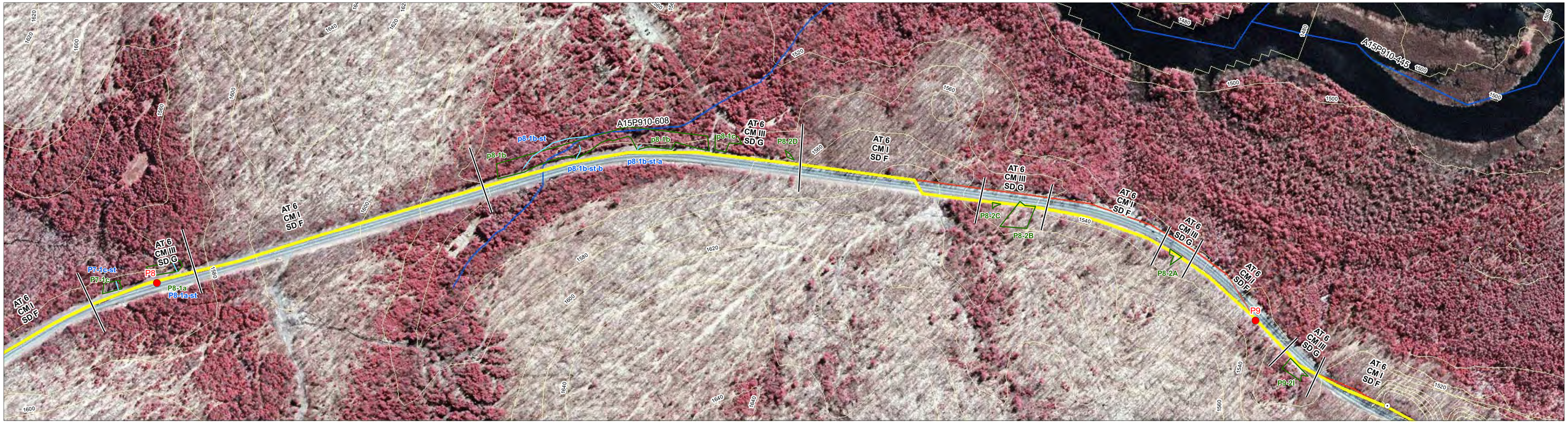
1:2400
1" = 200'
0 100 200 400 600 800 Feet

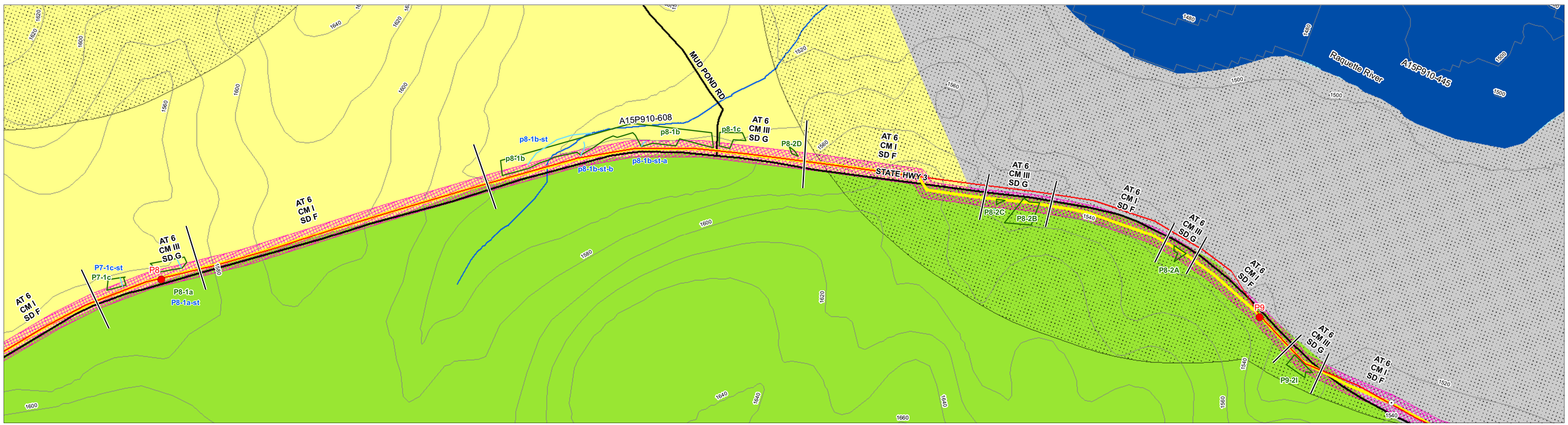
Tri-Lakes Reliability Project

Environmental Work Plan

NewYorkPower Authority

Sheet 22
EWP Map P7 - P8
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:

NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

1:2400
1" = 200'

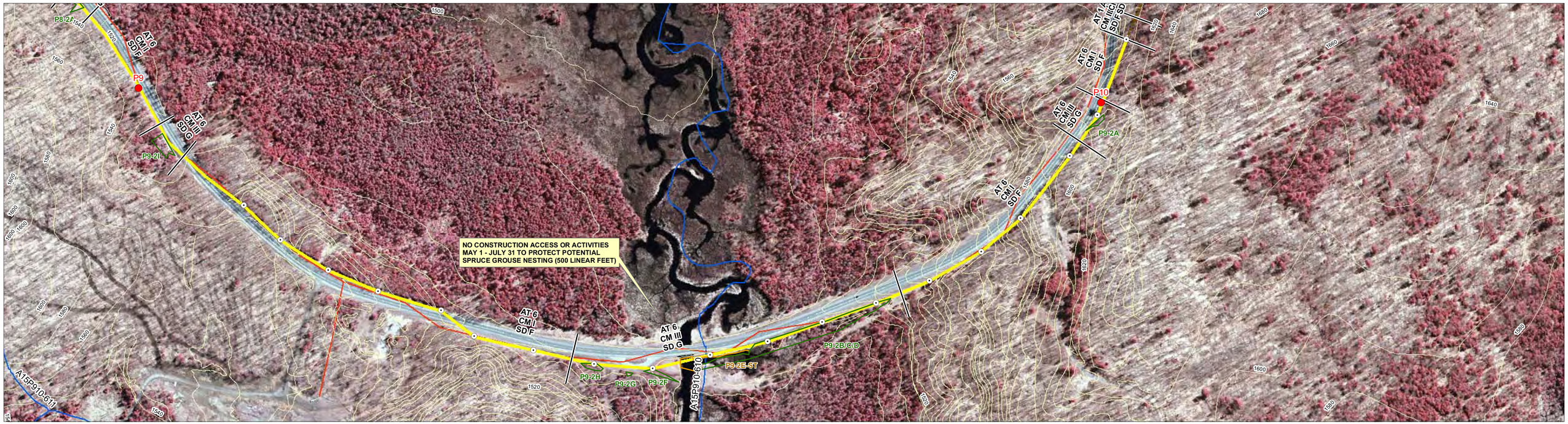
0 100 200 400 600 800 Feet

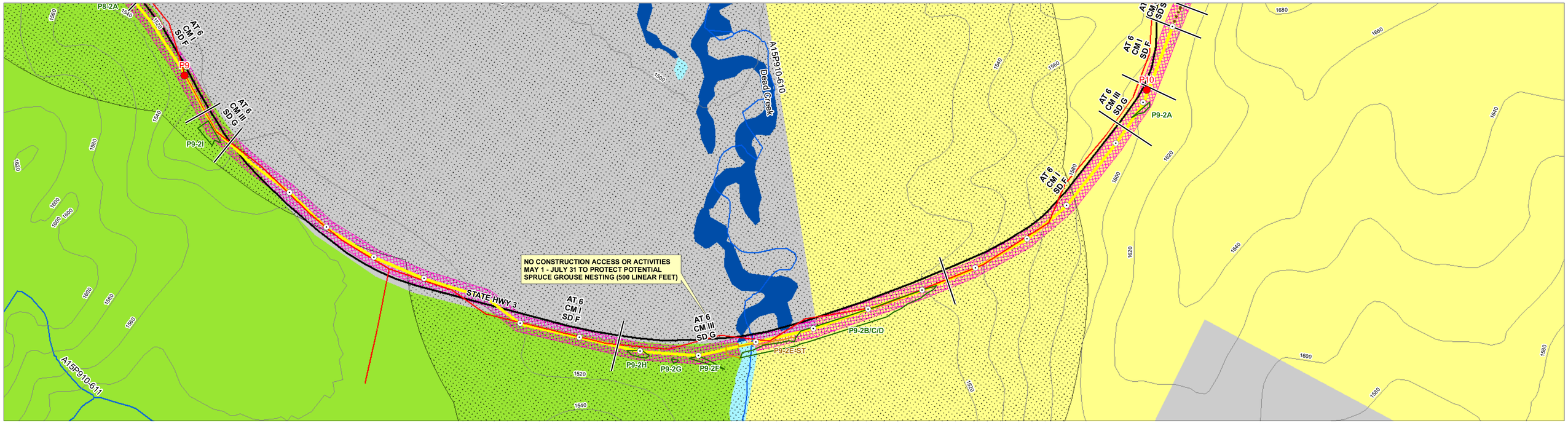
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 23
EWP Map P8 - P9
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:

- NYS GIS Clearing House
- NYS Adirondack Park Agency
- NYS DEC
- NY Power Authority
- National Grid
- NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

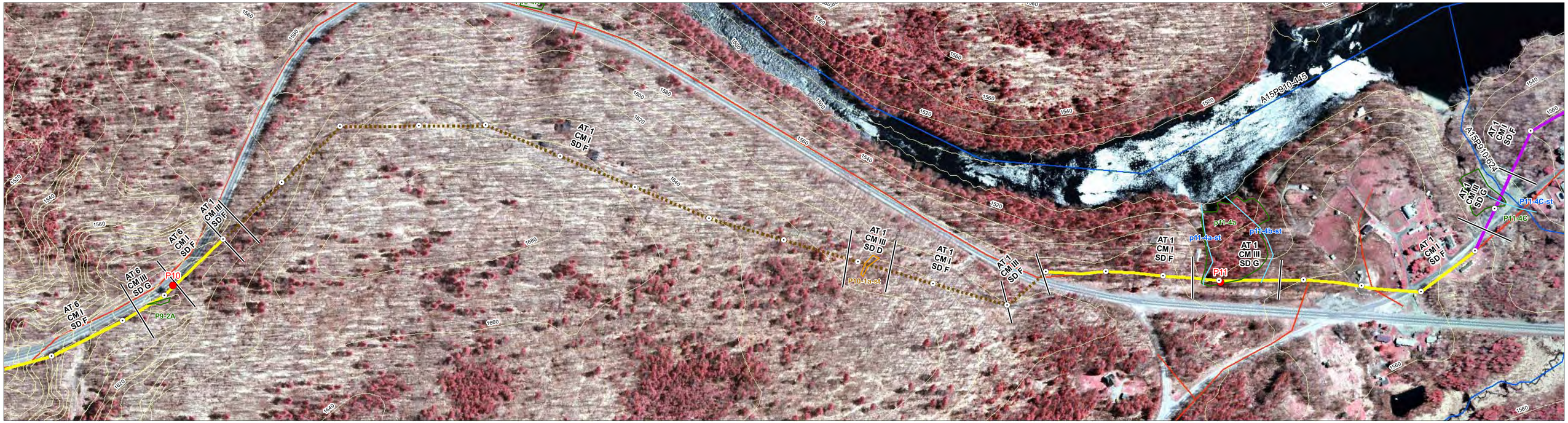
0 100 200 400 600 800 Feet

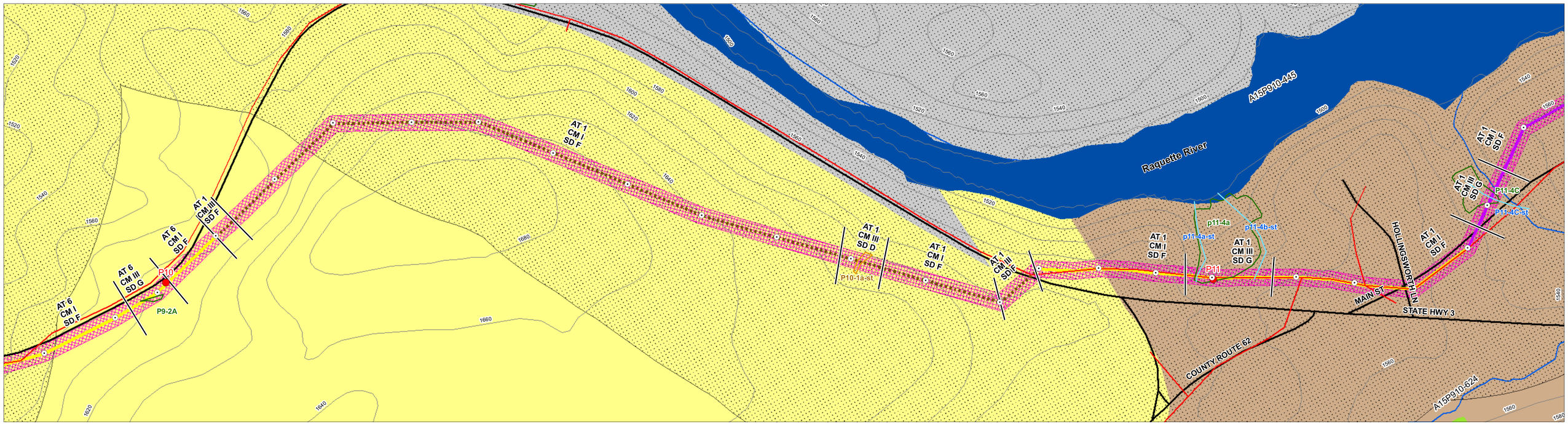
Tri-Lakes Reliability Project

Environmental Work Plan

New York Power Authority

Sheet 24
EWP Map P9 - P10
Revised: 12/22/05





Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2 / CM I / SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:
NYS GIS Clearing House
NYS Adirondack Park Agency
NYS DEC
NY Power Authority
National Grid
NYS DOT

Notes: UTM Zone 18 NAD 83

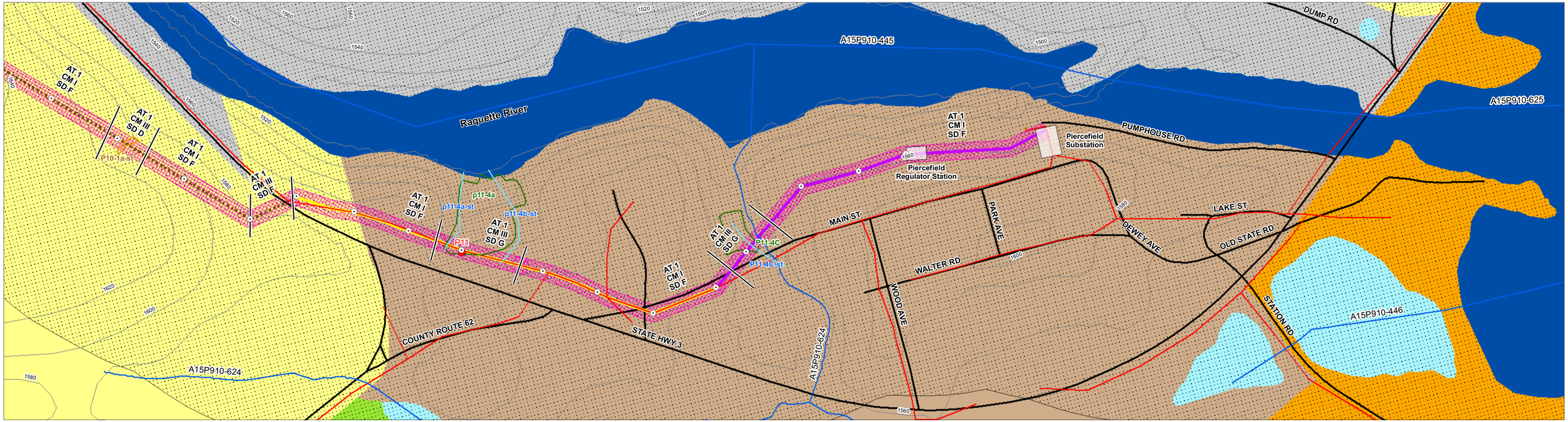
1:2400
1" = 200'
0 100 200 400 600 800 Feet

Tri-Lakes Reliability Project

Environmental Work Plan

NewYorkPower Authority

Sheet 25
EWP Map P10 - P11
Revised: 12/22/05



Legend

Existing Condition

- Reference Marker
- Existing Distribution
- Poles
- Road Center Lines
- Contour Interval (20ft)
- DEC Classified Stream
- Wild, Scenic, or Recreational River
- 1/4 Mile River Area

Proposed Transmission Line

- Cross Country
- New Overhead Offset
- New Overhead
- New Underground
- Overbuild
- Span
- 75' Right Of Way

EWP Legend

- Off ROW Existing Work Trail Location
- Off ROW New Work Trail Location
- Three Pole Long Span Structure

AT 2
CM I
SD F } Work Codes (See Cover Sheet For Definitions)

Wetland Fieldwork

- Delineated Wetland Streams
- Delineated Wetlands
- Delineated Streams

S6-3B/C = Wetland ID
S5-3B/C-st = Stream ID
S9-2G/H-ST = Wetland Stream ID

APA Land Class Legend

- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

Data Source:

- NYS GIS Clearing House
- NYS Adirondack Park Agency
- NYS DEC
- NY Power Authority
- National Grid
- NYS DOT

Notes:
UTM Zone 18 NAD 83

1:2400
1" = 200'

0 100 200 400 600 800 Feet

N

Tri-Lakes Reliability Project

Environmental Work Plan

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Sheet 26
EWP Map P11
Revised: 12/22/05