

ATTACHMENT 1

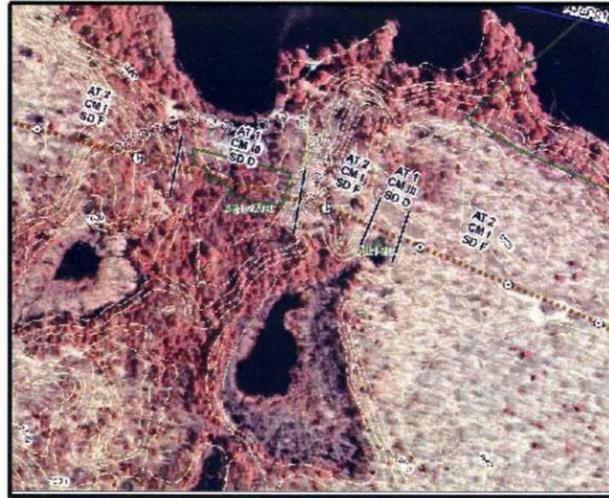
ENVIRONMENTAL WORK PLAN SHEETS

Tri-Lakes Reliability Project Cover Sheet

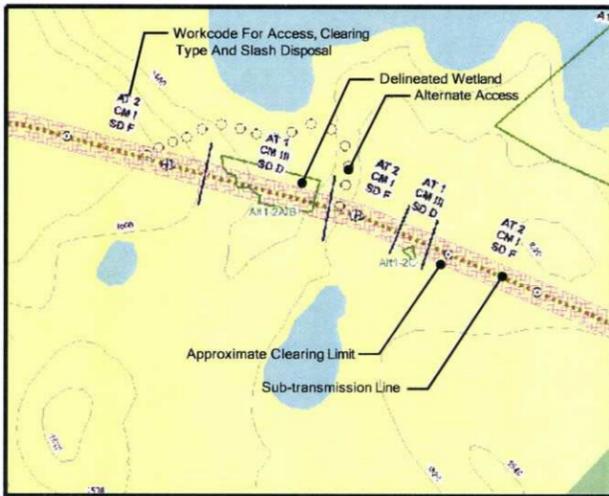
November 21, 2005

GRAPHIC LAYOUT OF EWP DRAWINGS

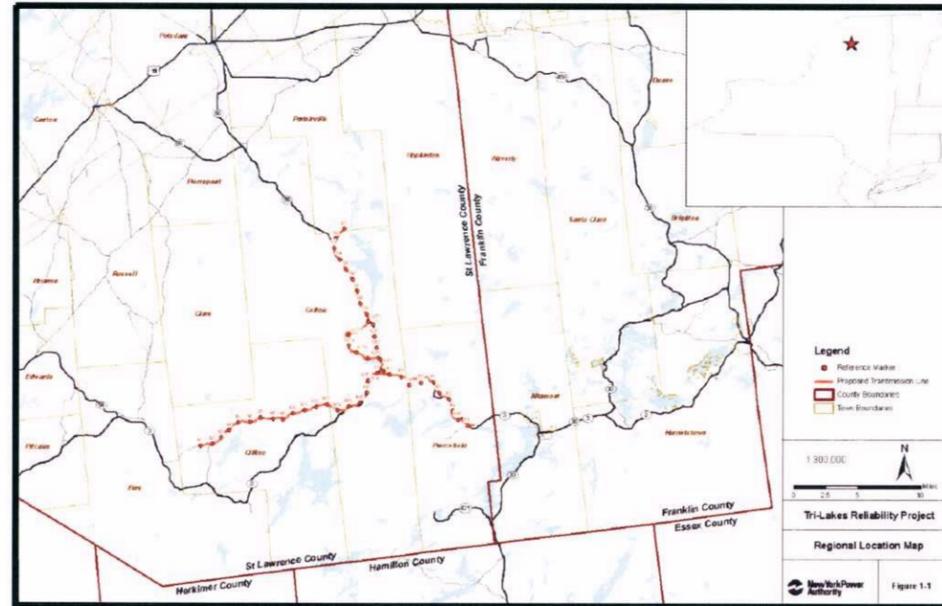
N.T.S.



ORTHO VIEW



PLAN VIEW



SITE LOCATION MAP

SHEET INDEX

SHEET 1	S1-S2	SHEET 16	P1-P2	SHEET 31	N5-N6
SHEET 2	S2-S3	SHEET 17	P2-P3	SHEET 32	N6-N7
SHEET 3	S3-S4	SHEET 18	P3-P4	SHEET 33	N7-N8
SHEET 4	S4-S5	SHEET 19	P4-P5	SHEET 34a	N8-N9 (a)
SHEET 5	S5-S6	SHEET 20	P5-P6	SHEET 34b	N8-N9 (b)
SHEET 6	S6-S7	SHEET 21	P6-P7	SHEET 35	N9-N10
SHEET 7	S7-S8	SHEET 22	P7-P8	SHEET 36	N10-N11
SHEET 8	S8-S9	SHEET 23	P8-P9	SHEET 37	N11-N12
SHEET 9	ALT1-ALT2	SHEET 24	P9-P10	SHEET 38	N12-N13
SHEET 10	ALT2-ALT3	SHEET 25	P10-P11	SHEET 39	N13-N14
SHEET 11	ALT3-ALT4	SHEET 26	P11	SHEET 40	N14-N15
SHEET 12	ALT4-ALT5	SHEET 27	N1-N2	SHEET 41	N15-N16
SHEET 13	ALT5-ALT6	SHEET 28	N2-N3	SHEET 42	N16-N17
SHEET 14	ALT6-S13	SHEET 29	N3-N4	SHEET 43	N17-N18
SHEET 15	S13-S14	SHEET 30	N4-N5	SHEET 44	N18-N19

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 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 topping 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	Proposed Transmission Line	EWP Legend	Wetland Fieldwork	APA Land Class Legend	Other Source
Reference Marker	Cross Country	Off ROW Existing Work Trail Location	Delineated Wetland Streams	Hamlet	NYS DEC Clearing Rules
Existing Distribution	New Overhead Offset	Off ROW New Work Trail Location	Delineated Wetlands	Moderate Intensity	NYS Adirondack Park Agency
Poles	New Overhead	Three Pole Long Span Structure	Delineated Streams	Low Intensity	NYS DEC
Road Center Lines	New Underground	Work Codes (See Cover Sheet For Definitions)	S6 3B/C = Wetland ID	Rural Use	NY Power Authority
Contour Interval (20ft)	Overbuild		SS 3B/C-st = Stream ID	Resource Management	National Grid
DEC Classified Stream	Span		SR 2G/H-SI = Wetland Stream ID	Industrial Use	NYS DOT
	75' Right Of Way			Wilderness	NYS
				Wild Forest	UTR 2001 18 442 13
				Intensive Use	
				State Administrative	
				Pending Classification	
				Water	

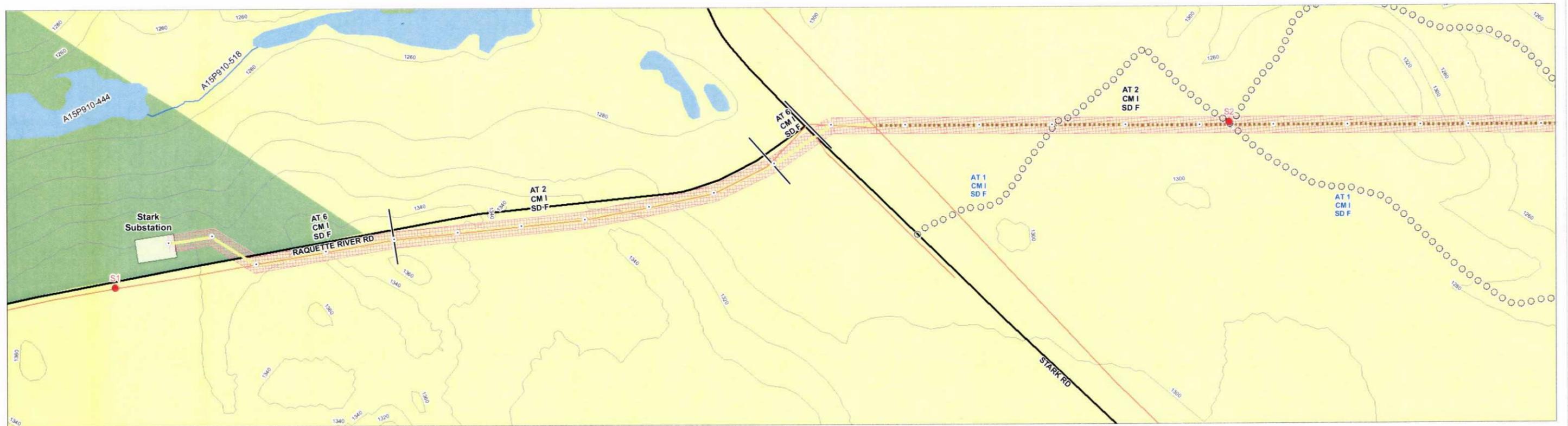
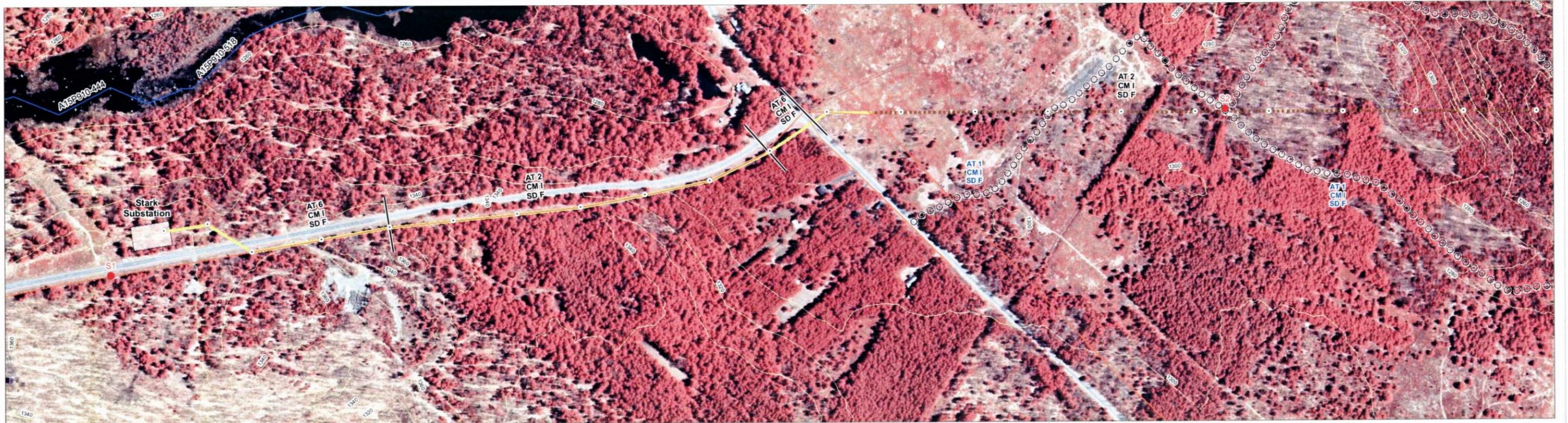
Scale: As Noted

Tri-Lakes Reliability Project

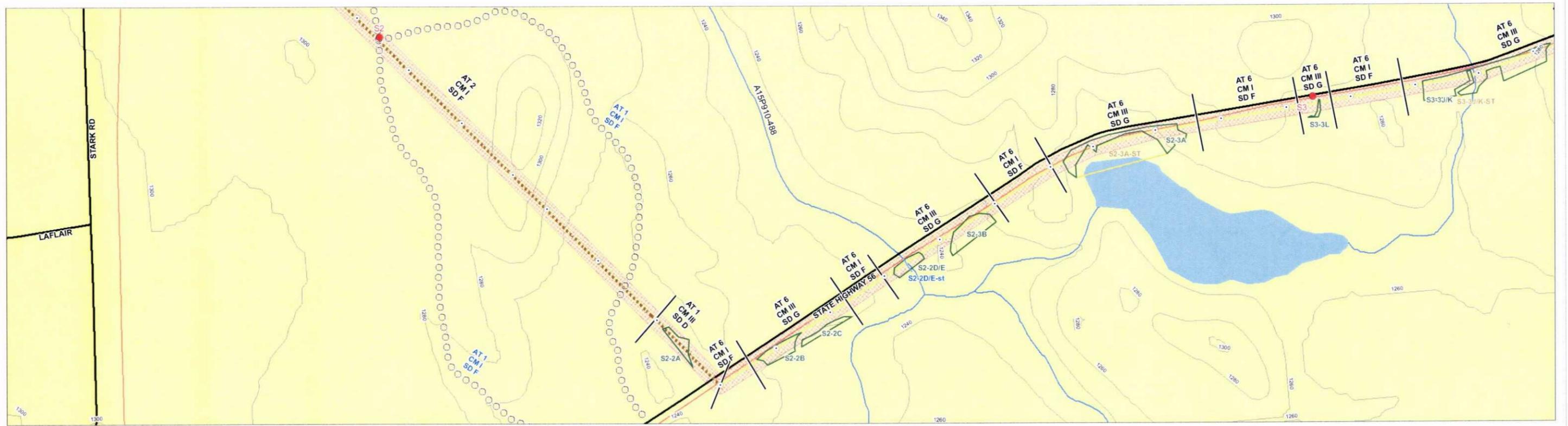
Cover Sheet



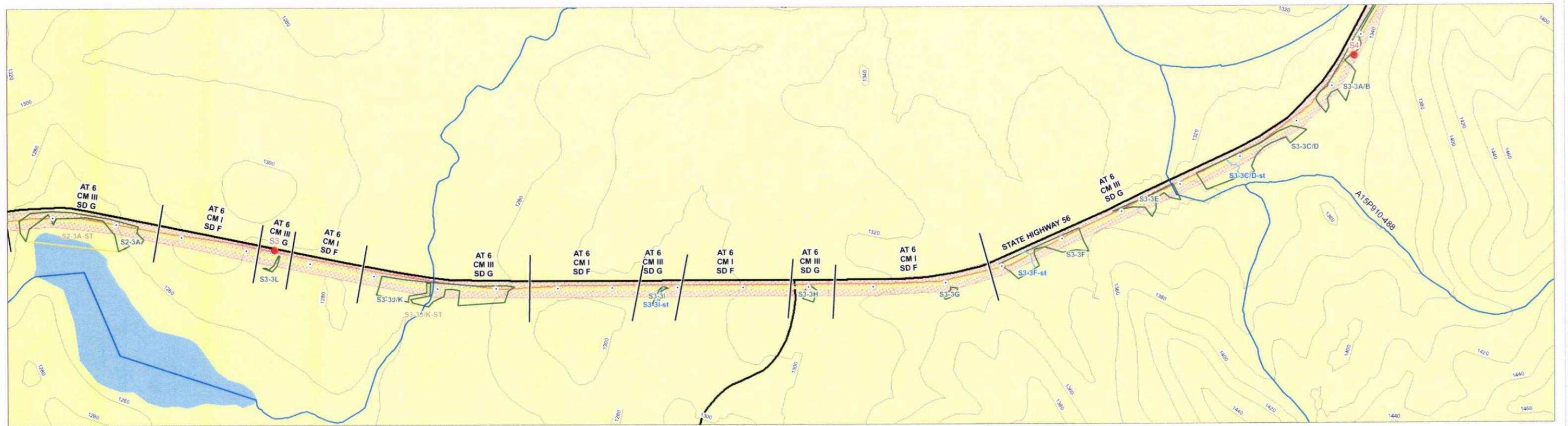
Sheet Number: 1



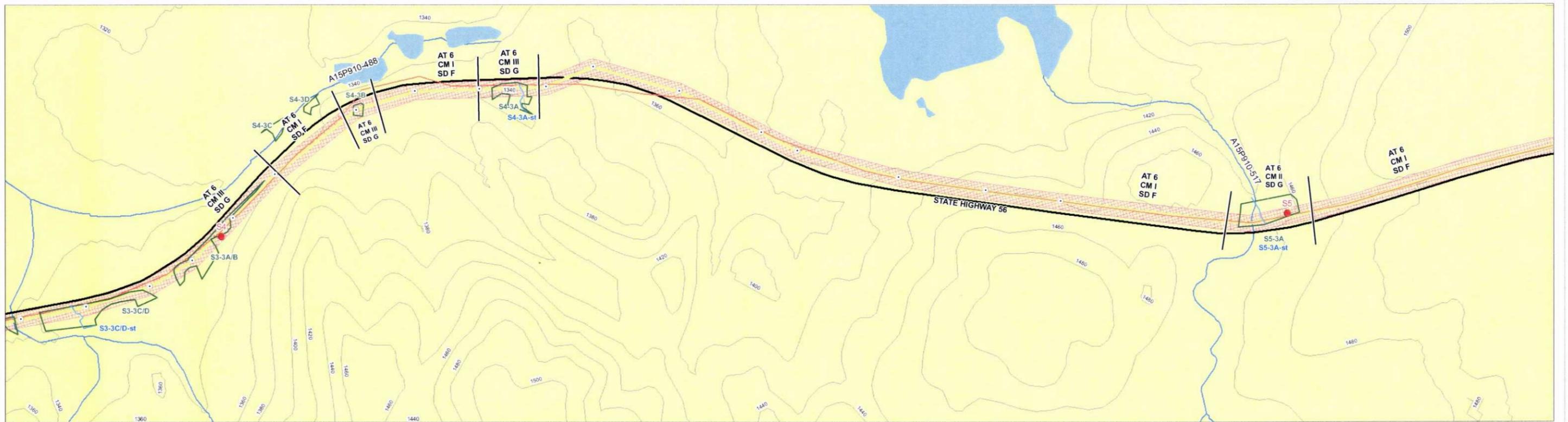
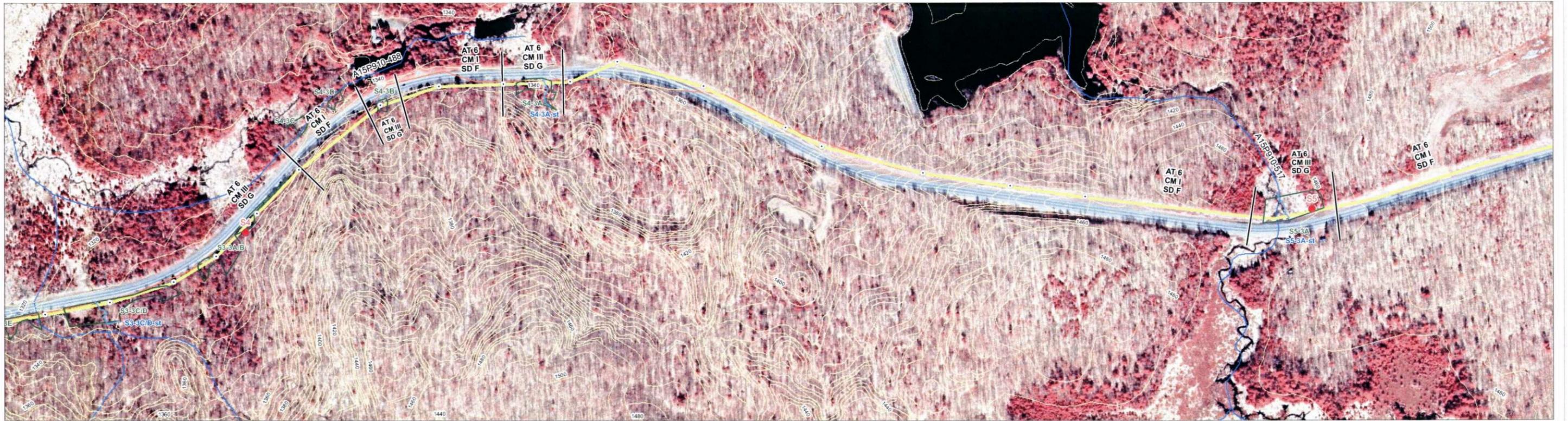
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 1 EWP Map S1 - S2



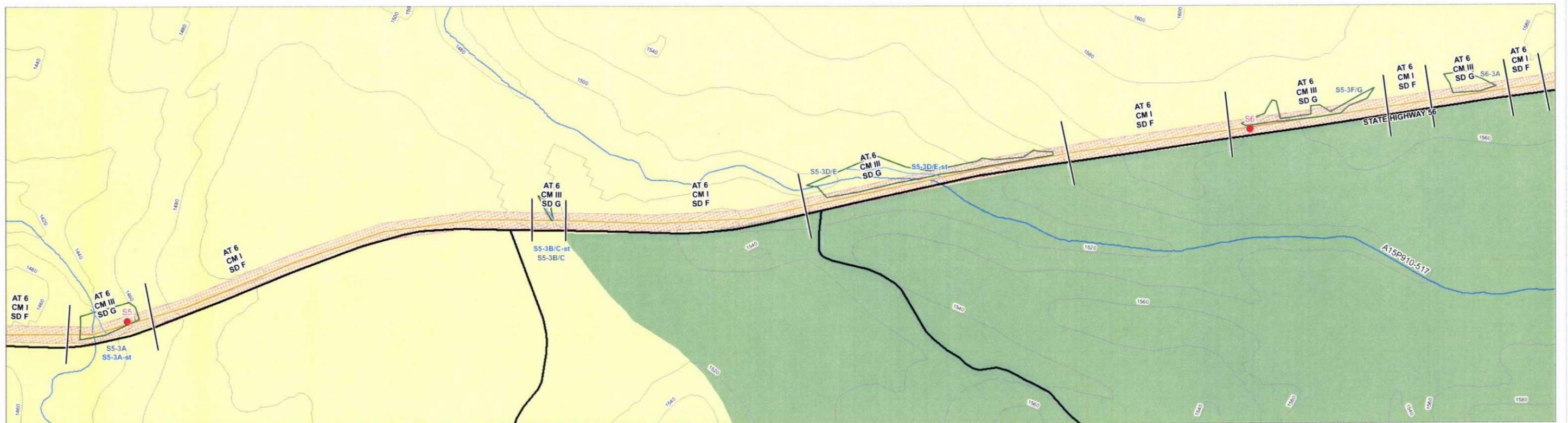
Legend Existing Condition Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream	Proposed Transmission Line Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way	EWP Legend Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure Work Codes CM I } (See Cover Sheet SD F } 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" = 200' 0 100 200 400 600 800 Feet
					Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 2 EWP Map S2 - S3



Legend Existing Condition DEC Classified Stream Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft)	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 Work Codes (See Cover Sheet For Definitions) AT 2 CM I SD F	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 Gnd NYS DOT Notes: UTM Zone 18 NAD 83	1:2400 1" = 200' Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 3 EWP Map S3 - S4



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 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
						Sheet 4 EWP Map S4 - S5



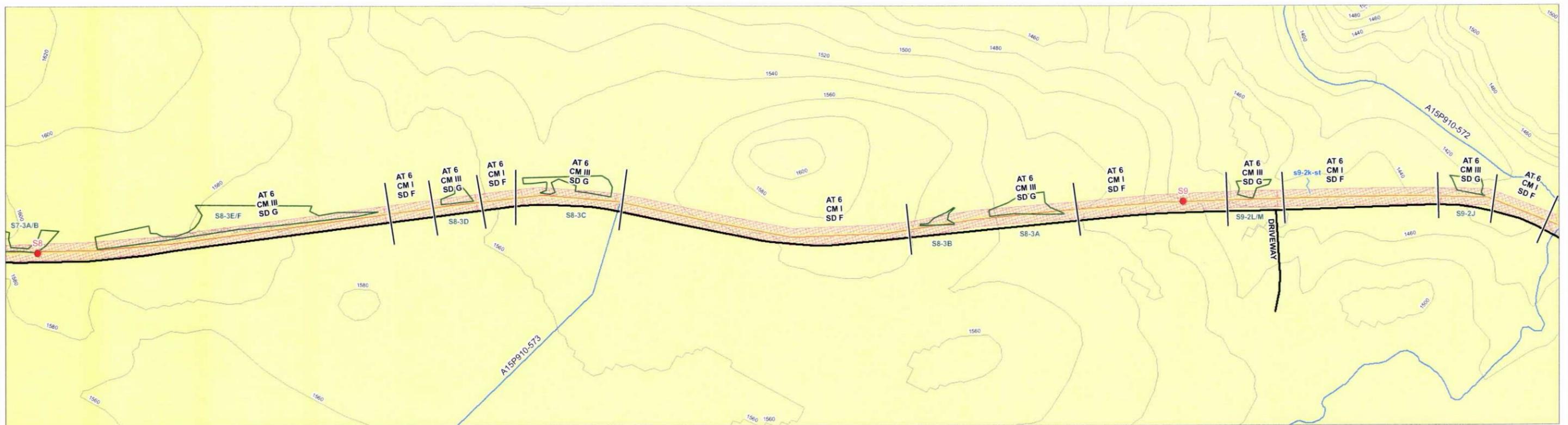
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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" = 200' Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 5 EWP Map S5 - S6



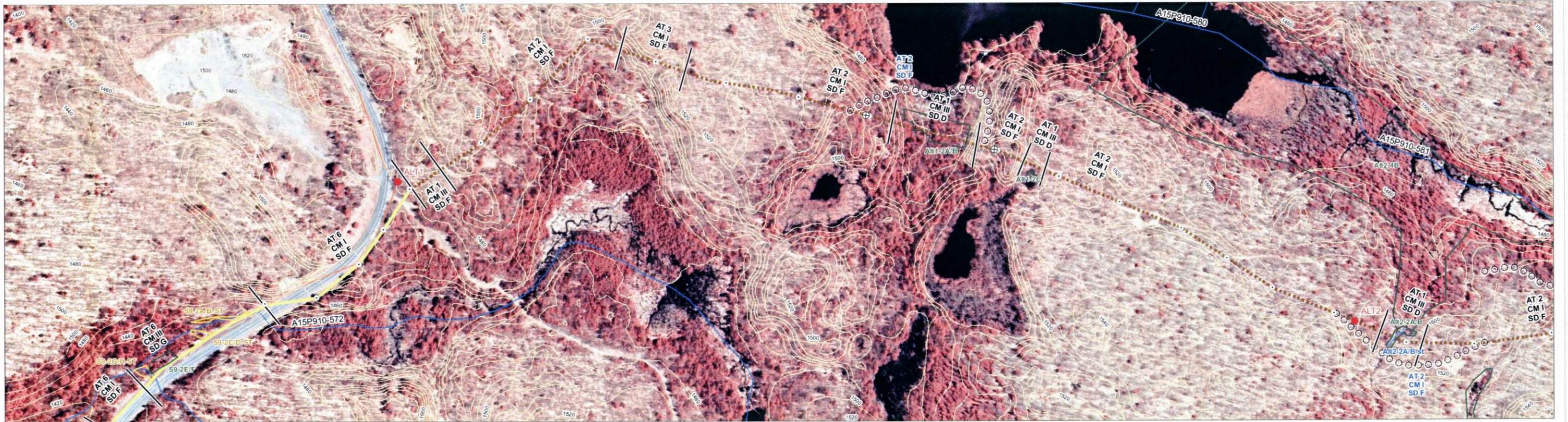
Legend Existing Condition <ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	Proposed Transmission Line <ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	EWP Legend <ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure 	Wetland Fieldwork <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Hamlet Moderate Intensity Low Intensity Rural Use Resource Management Industrial Use Wilderness Wild Forest Intensive Use Slate Administrative Pending Classification Water 	Data Source: <ul style="list-style-type: none"> NYS GIS Clearing House NYS Adirondack Park Agency NYS DEC NY Power Authority National Grid NYS DOT 	1:2400 1" = 200'
					Notes: UTM Zone 18 NAD 83	



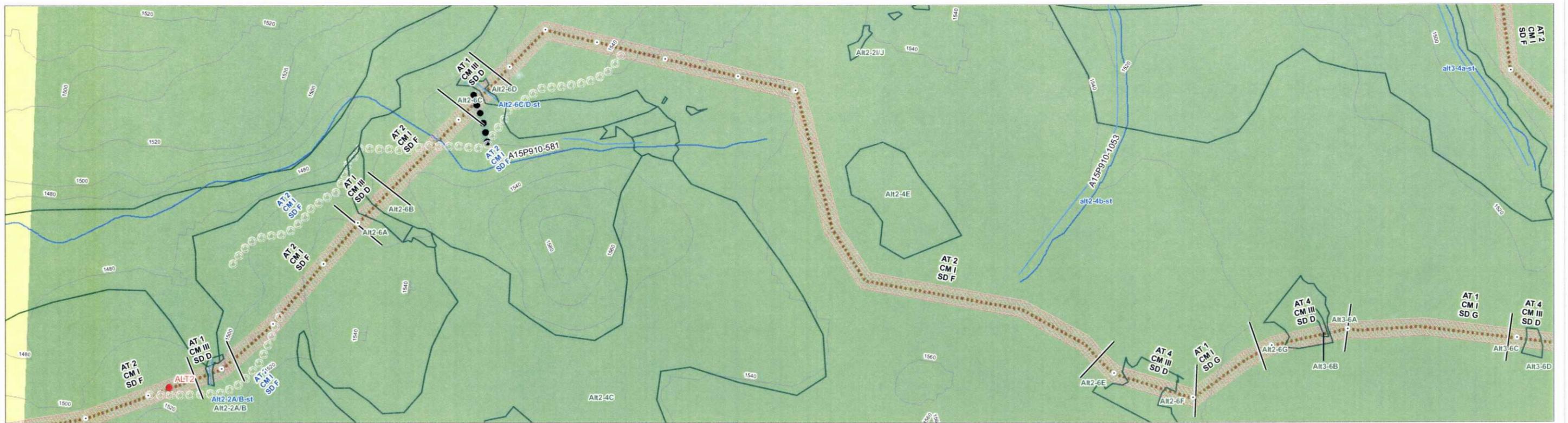
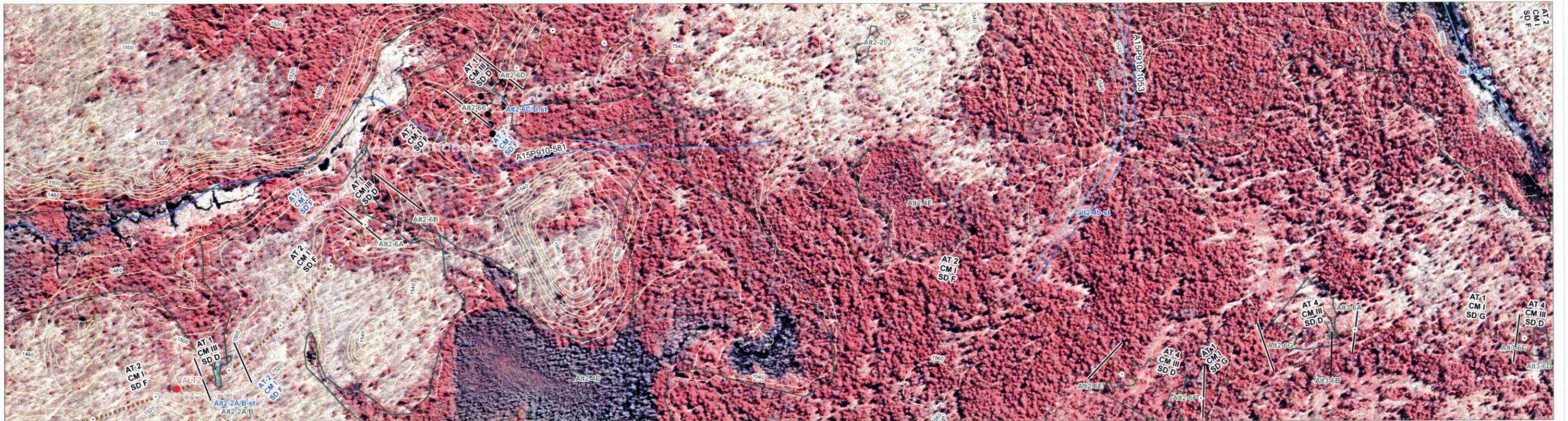
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 7 EWP Map S7 - S8



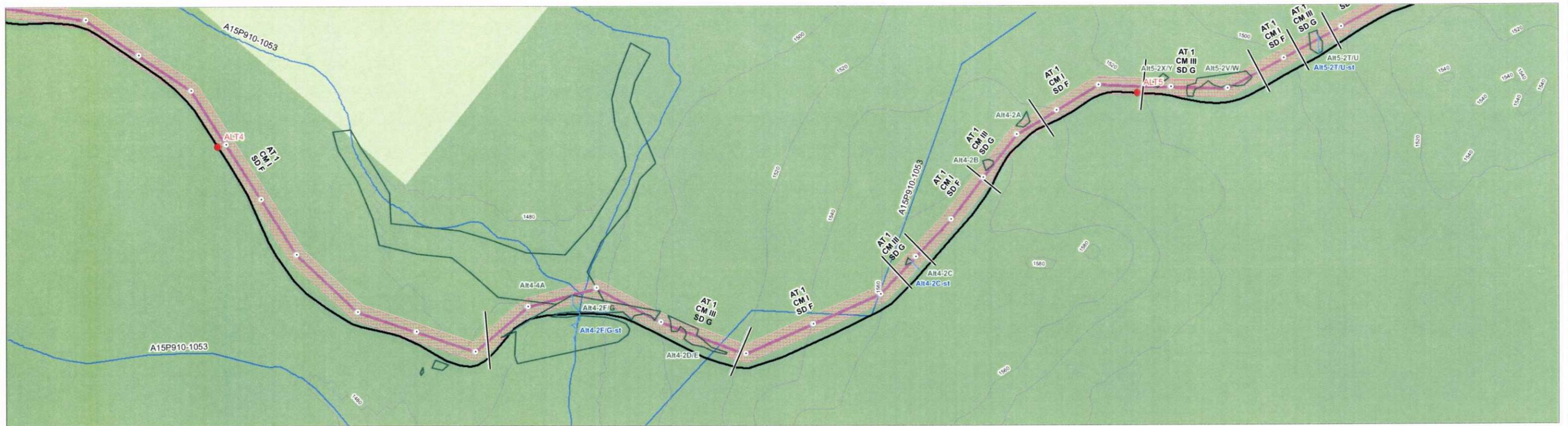
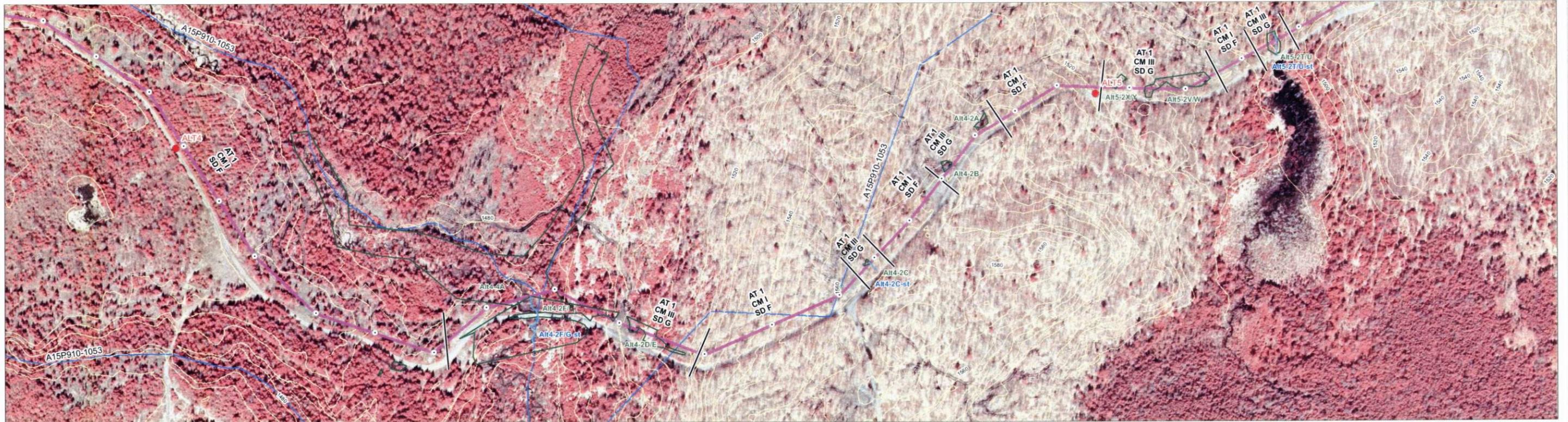
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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" = 200' Tri-Lakes Reliability Project Environmental Work Plan Sheet 8 EWP Map S8 - S9



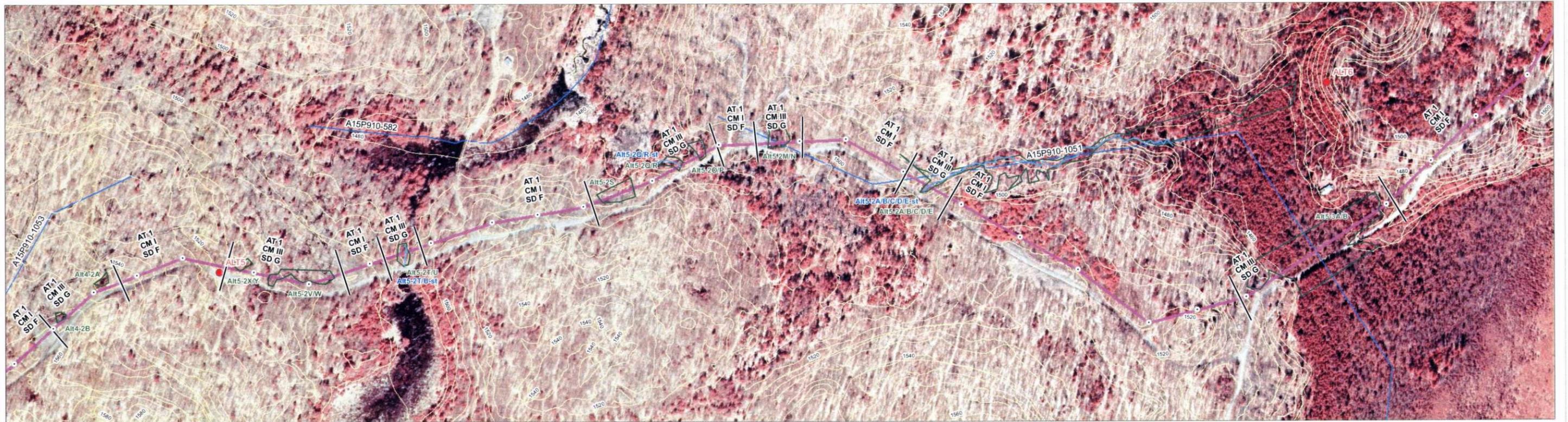
Legend Existing Condition ● Reference Marker - Existing Distribution ○ Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream		Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way		EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 9 EWP Map ALT1 - ALT2
---	--	---	--	---	--	---	--	--	--	--	---



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 } Work Codes CM 1 } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					 Sheet 10 EWP Map ALT2 - ALT3	



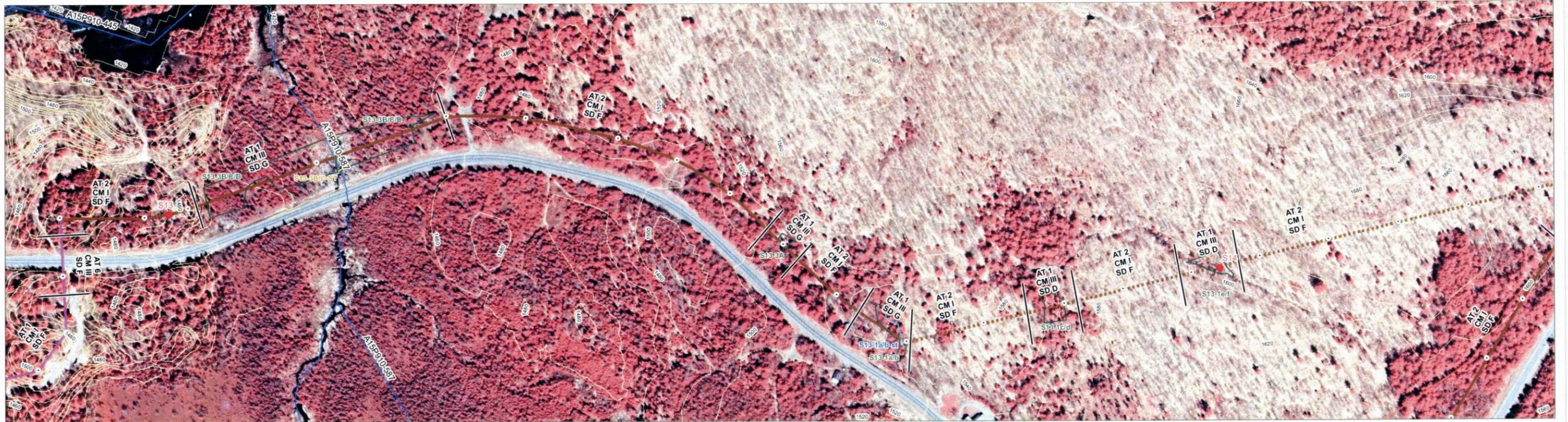
Legend Existing Condition ● Reference Marker - Existing Distribution ○ Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ● Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					 Sheet 12 EWP Map ALT4 - ALT5	



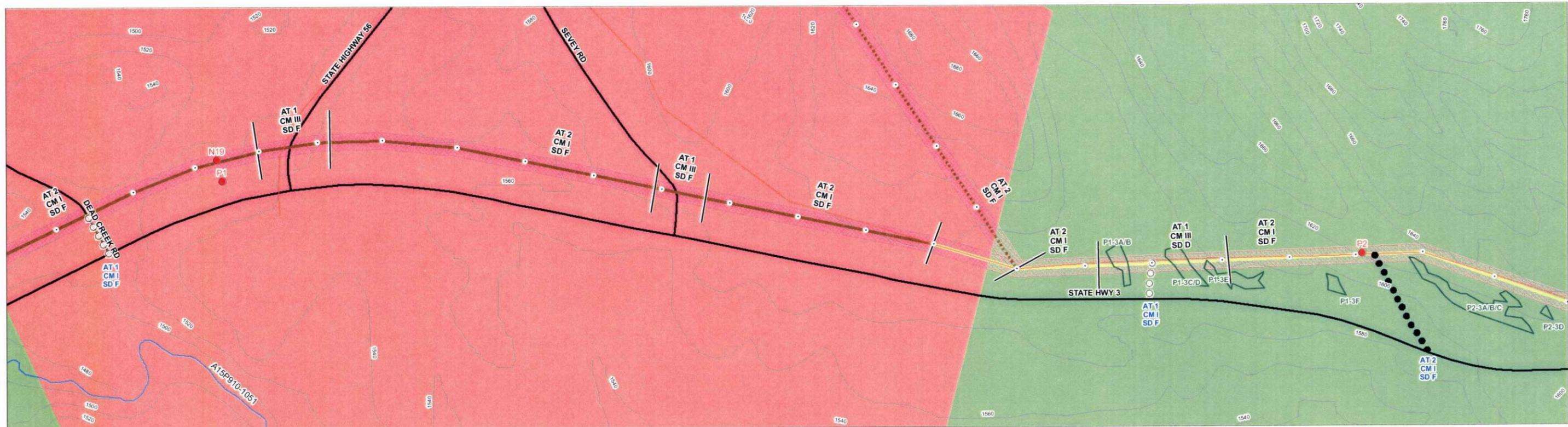
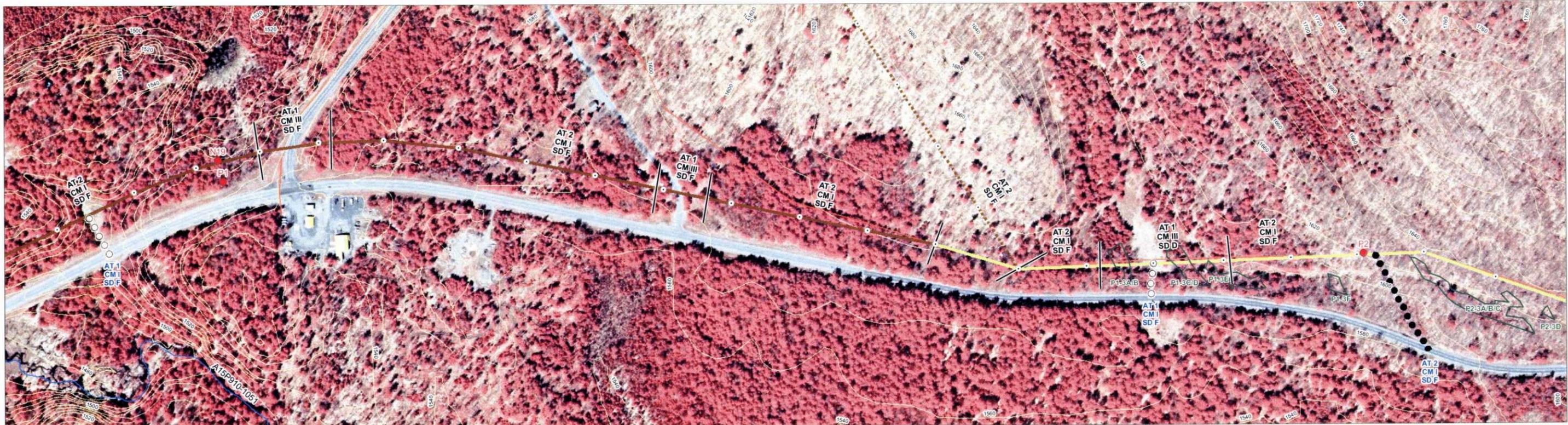
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					 Sheet 13 EWP Map ALT5 - ALT6	



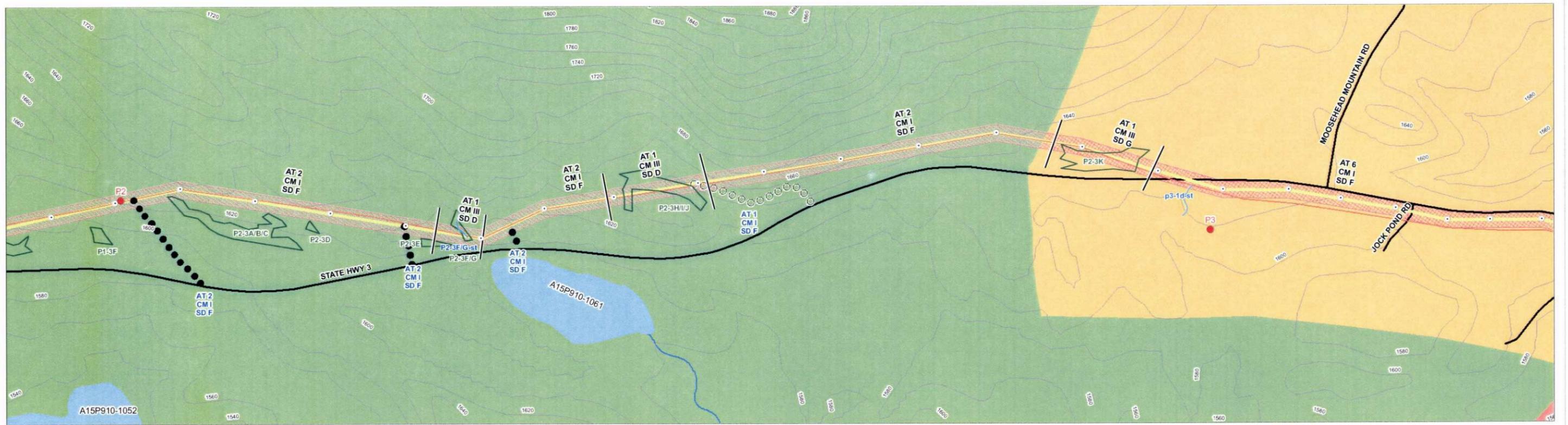
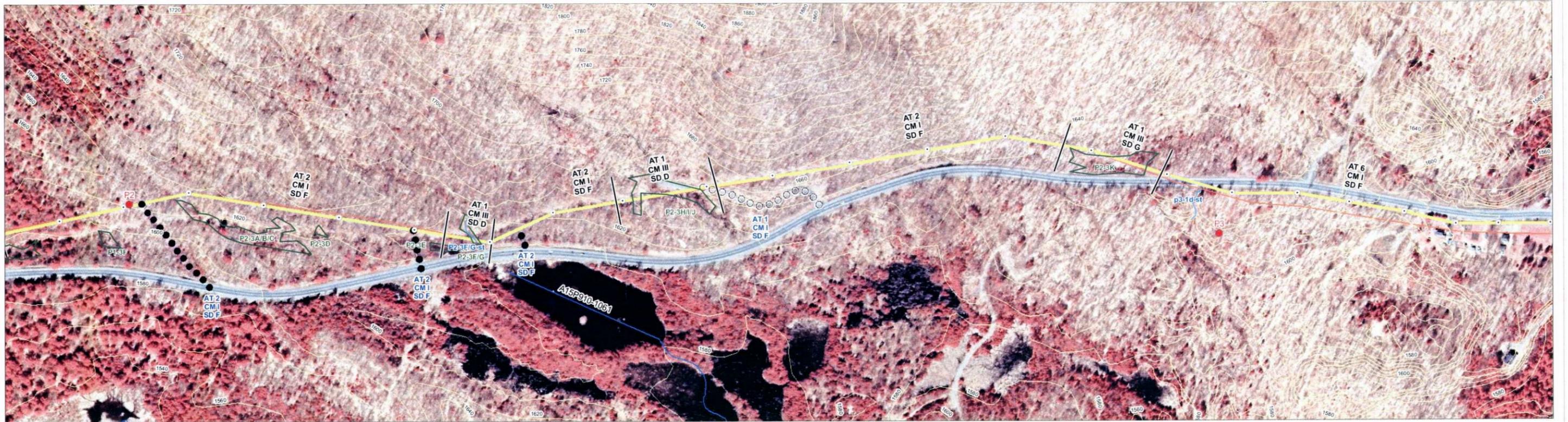
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					Sheet 14 EWP Map ALT6 - S13	



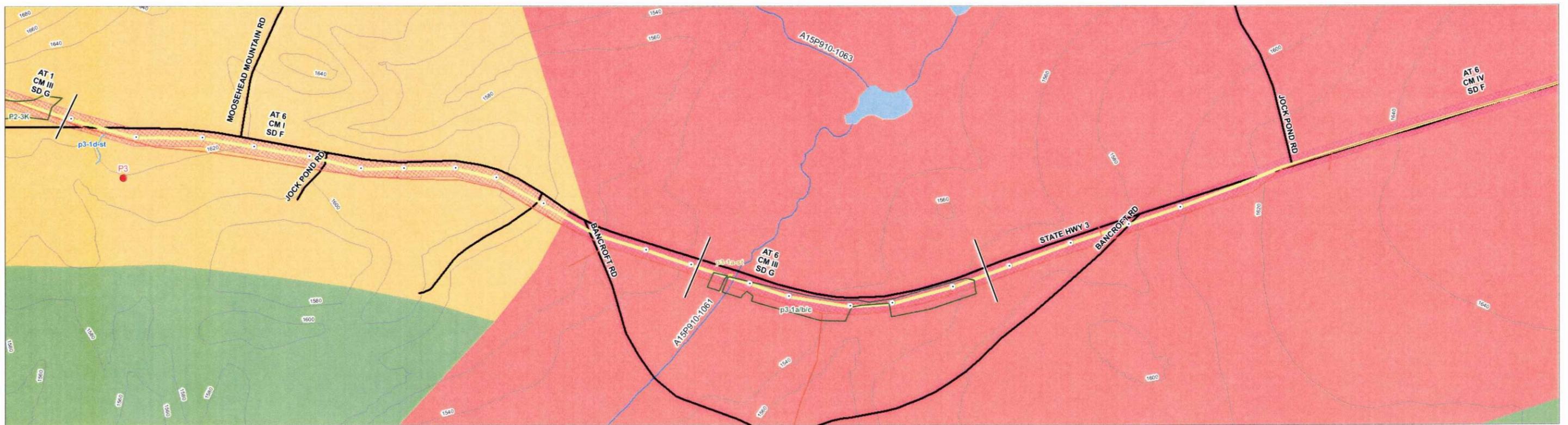
Legend Existing Condition ● Reference Marker - Existing Distribution ○ Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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'
					Tri-Lakes Reliability Project Environmental Work Plan 	



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 } Work Codes CM I } (See Cover Sheet SD F } 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 Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 16 EWP Map P1 - P2



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 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					Sheet 17 EWP Map P2 - P3	



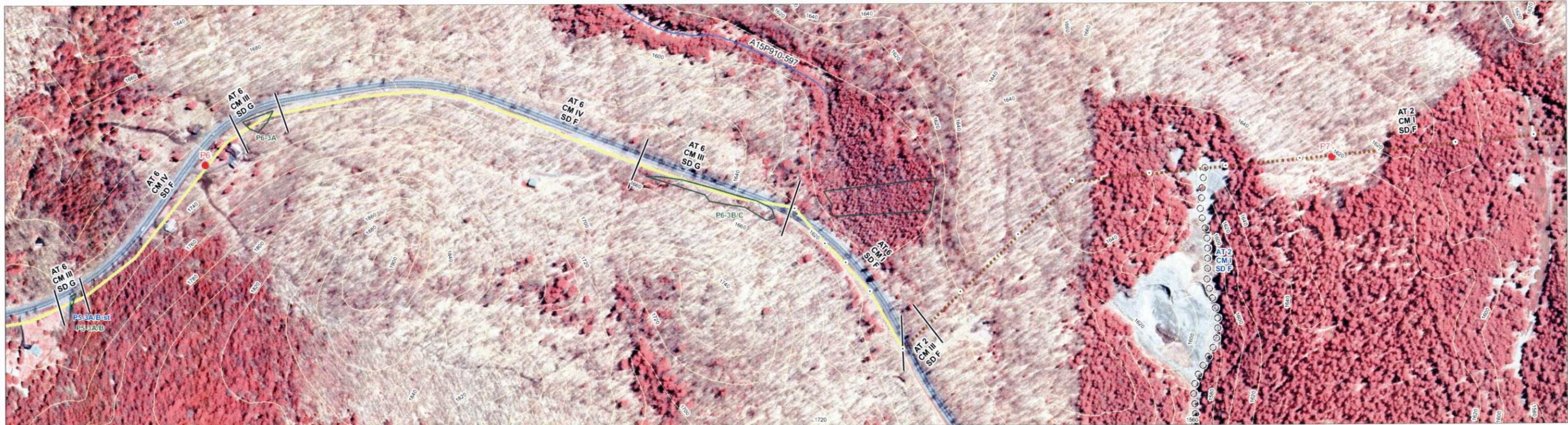
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					 Sheet 18 EWP Map P3 - P4	



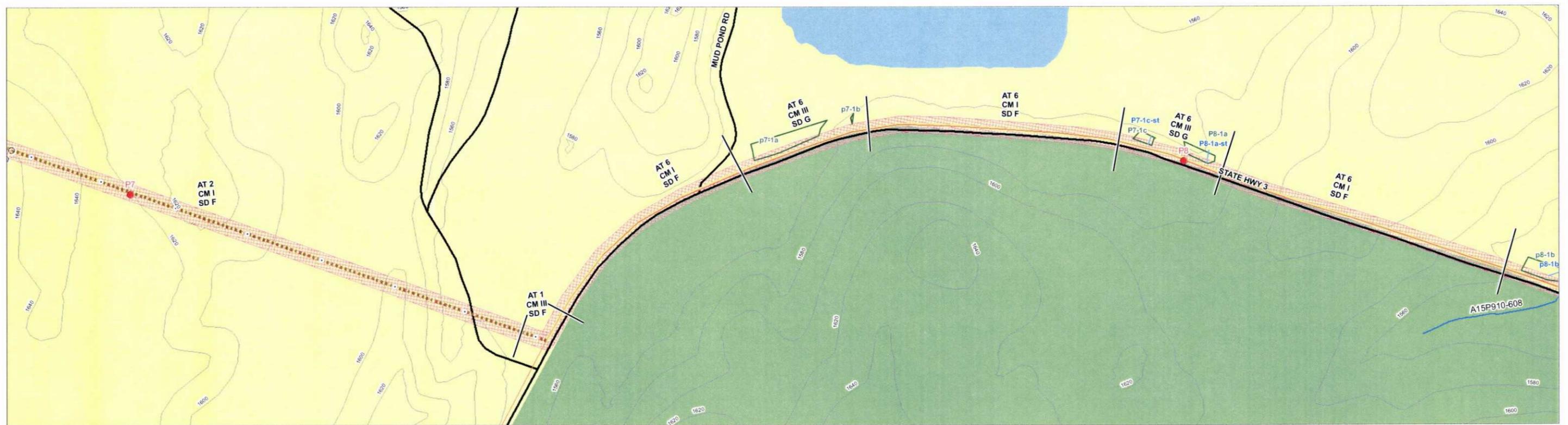
Legend	Existing Condition	Proposed Transmission Line	EWP Legend	Wetland Fieldwork	APA Land Class Legend	Data Source:	<p>1:2400 1" = 200'</p> <p>Tri-Lakes Reliability Project</p> <p>Environmental Work Plan</p> <p> Sheet 19 EWP Map P4 - P5</p>
	<ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	<ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	<ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure <p>AT 2 } Work Codes CM I } (See Cover Sheet SD F } For Definitions)</p>	<ul style="list-style-type: none"> Delineated Wetland Streams Delineated Wetlands Delineated Streams <p>S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2G/H-ST = Wetland Stream ID</p>	<ul style="list-style-type: none"> Hamlet Moderate Intensity Low Intensity Rural Use Resource Management Industrial Use Wilderness Wild Forest Intensive Use State Administrative Pending Classification Water 	<ul style="list-style-type: none"> NYS GIS Clearing House NYS Adirondack Park Agency NYS DEC NY Power Authority National Grid NYS DOT <p>Notes: UTM Zone 18 NAD 83</p>	



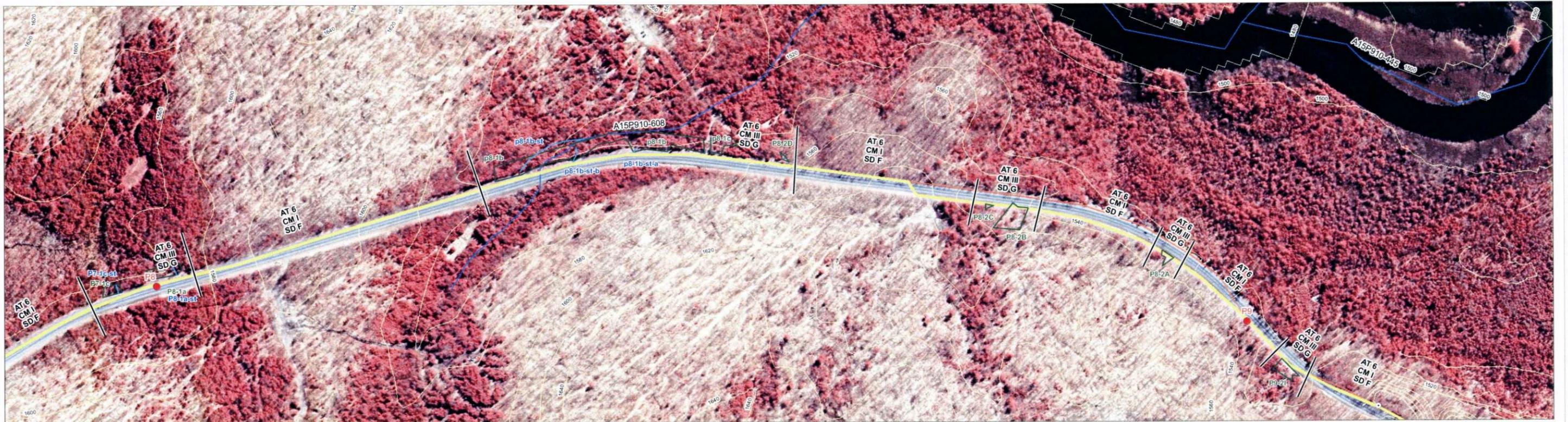
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 20 EWP Map P5 - P6



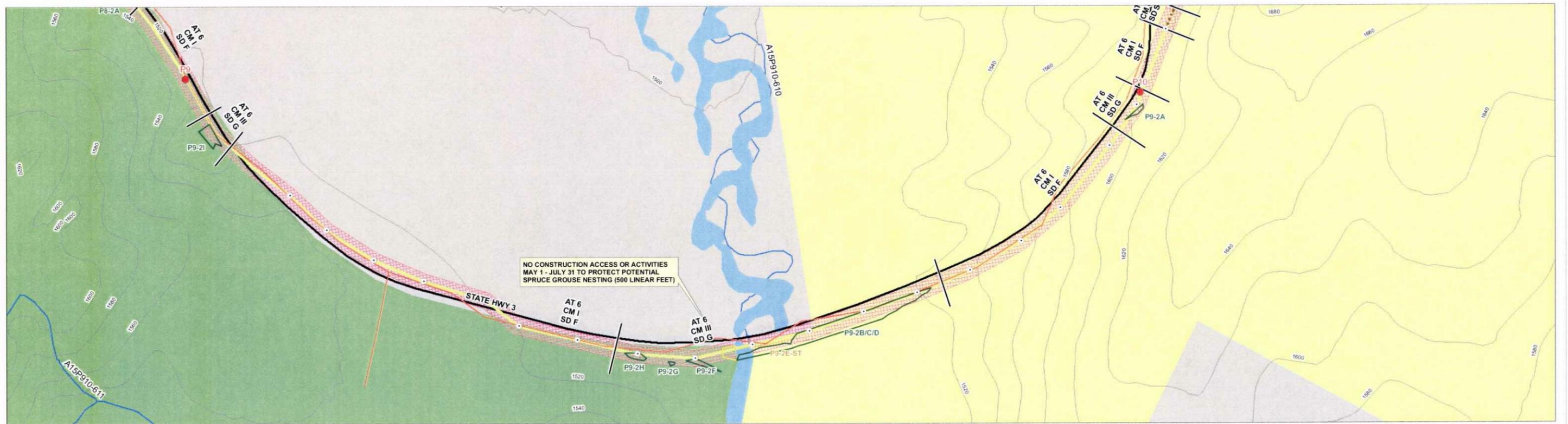
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream		Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right of Way		EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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 NAD83	1" = 2400' 1" = 200' Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 21 EWP Map P6 - P7
---	--	---	--	---	--	---	--	--	--	---	---	-----------------------------



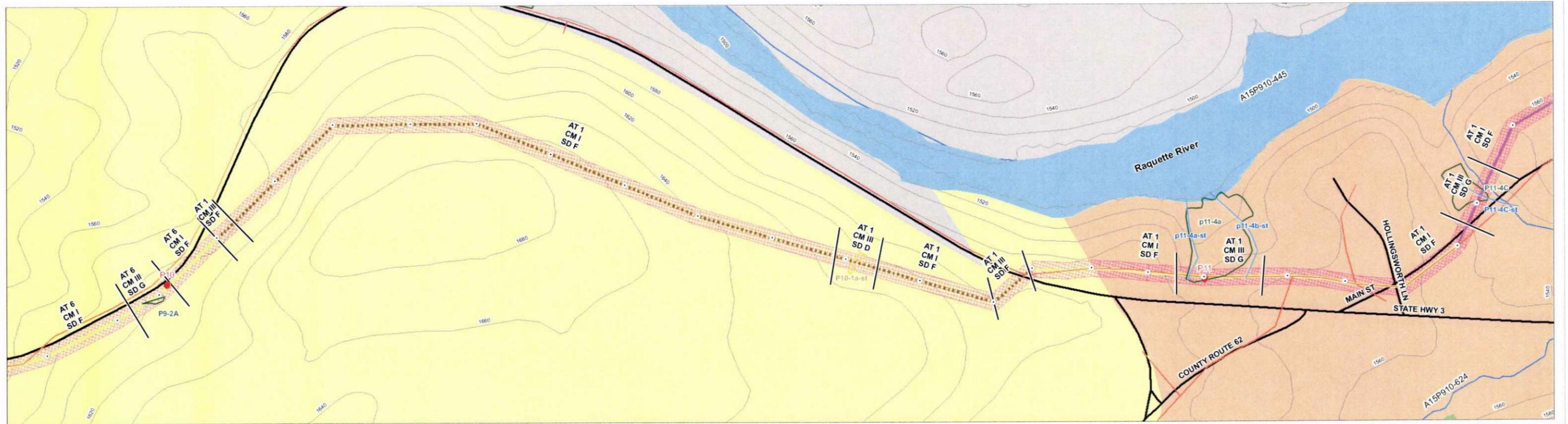
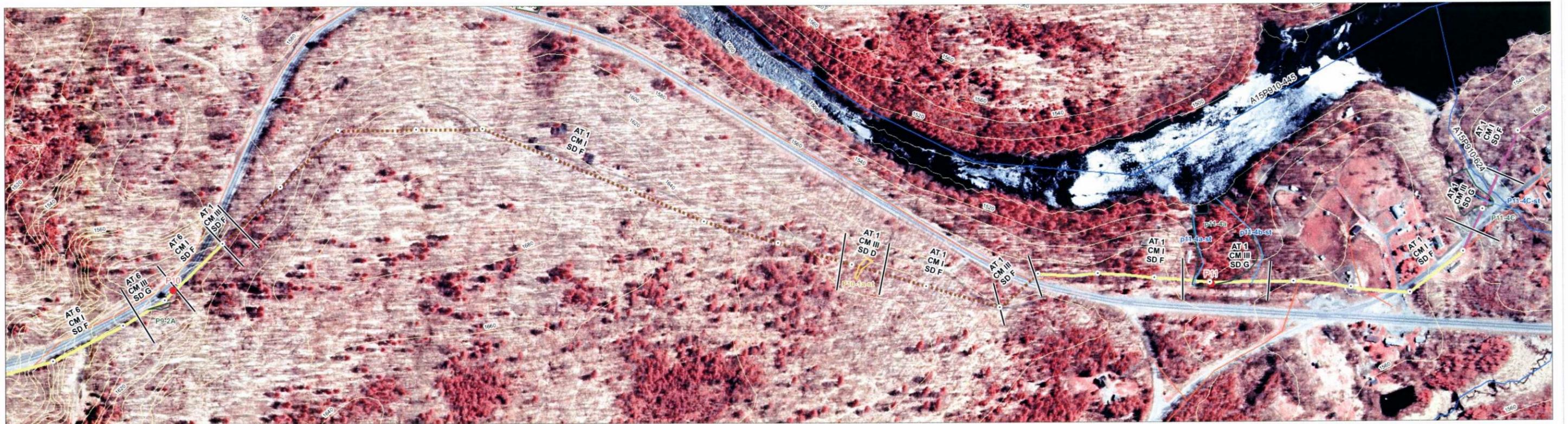
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 22 EWP Map P7 - P8
			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 } Work Codes CM I } (See Cover Sheet SD F } For Definitions)		



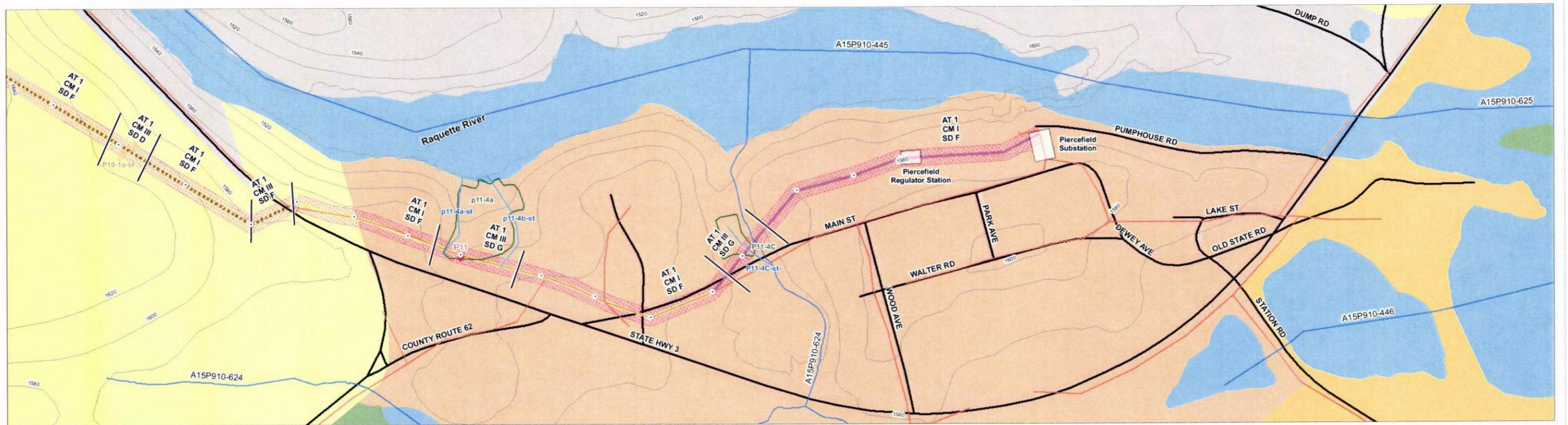
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet) SD F } 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'
					Tri-Lakes Reliability Project Environmental Work Plan 	



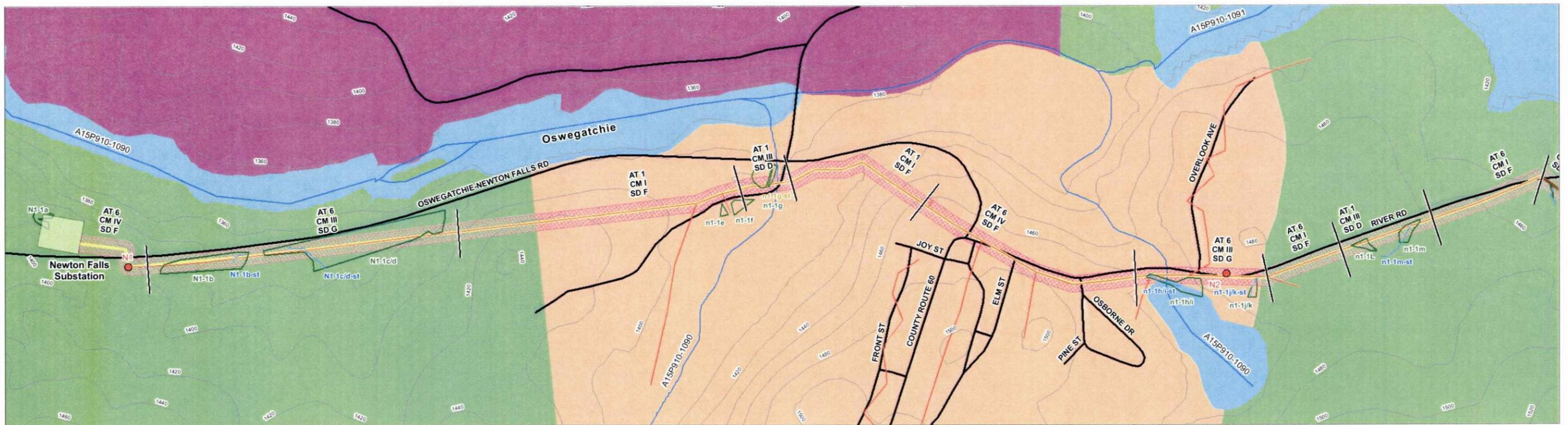
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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'
					Tri-Lakes Reliability Project Environmental Work Plan	



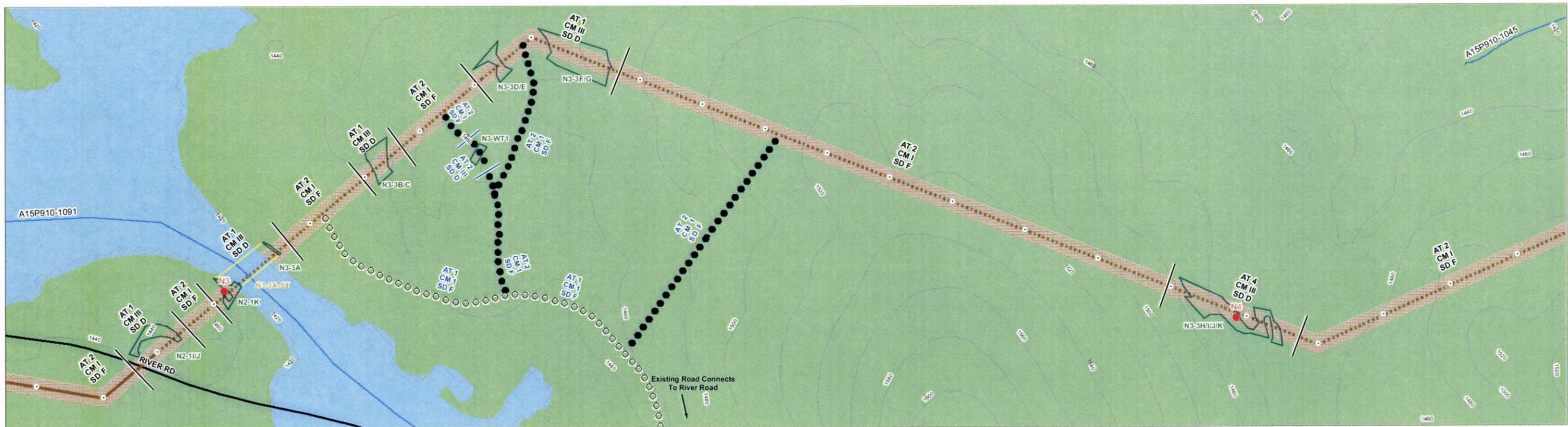
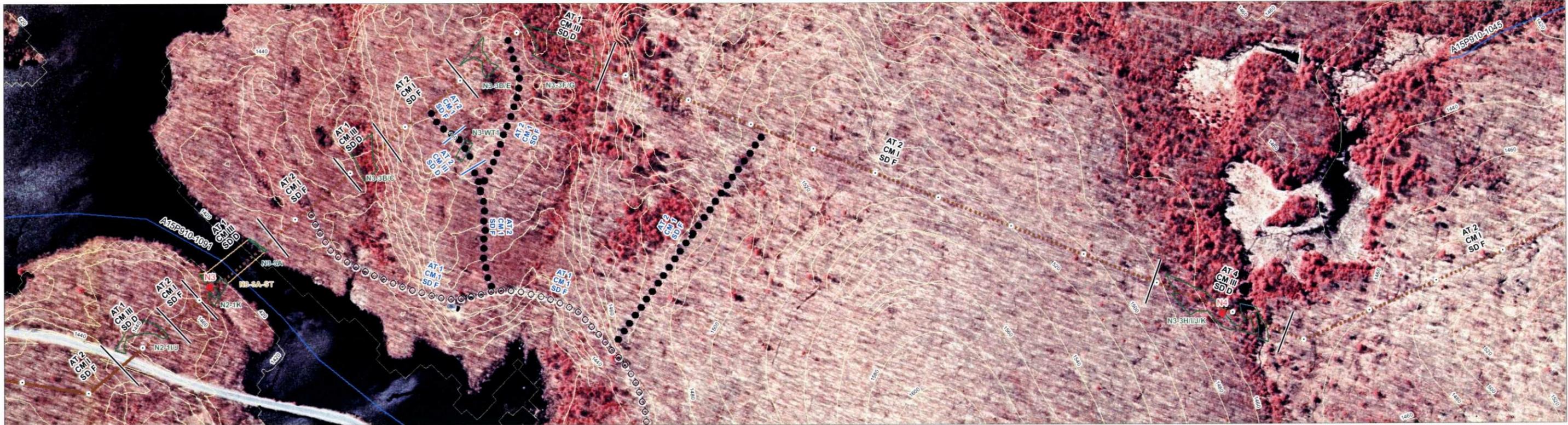
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream		Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way		EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 25 EWP Map P10 - P11
---	--	---	--	---	--	---	--	--	--	--	--



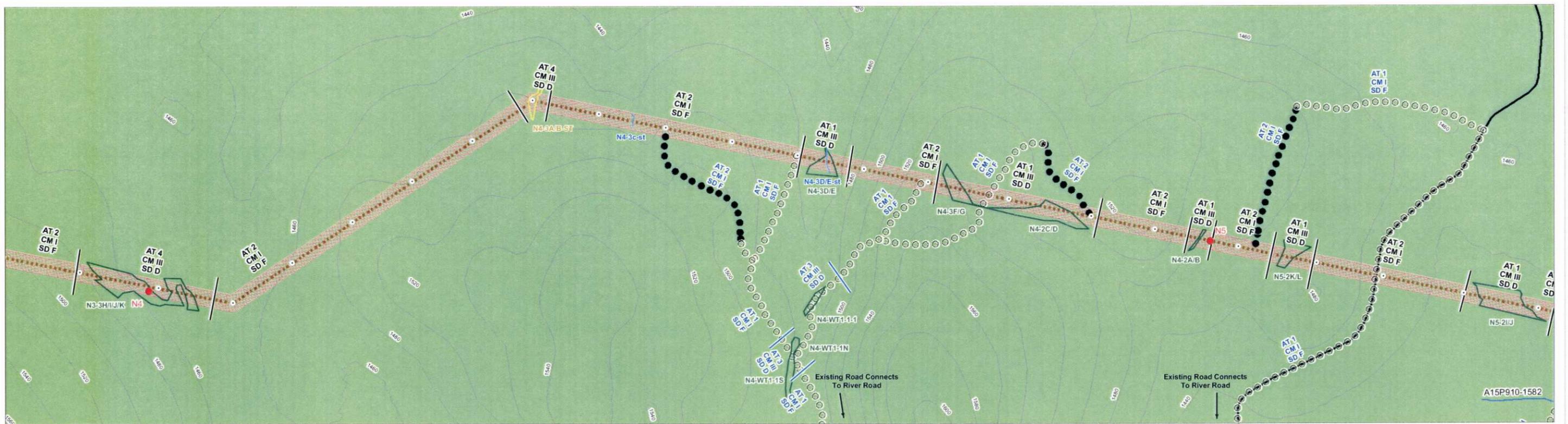
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream		Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way		EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 26 EWP Map P11
---	--	---	--	---	--	---	--	--	--	--	--



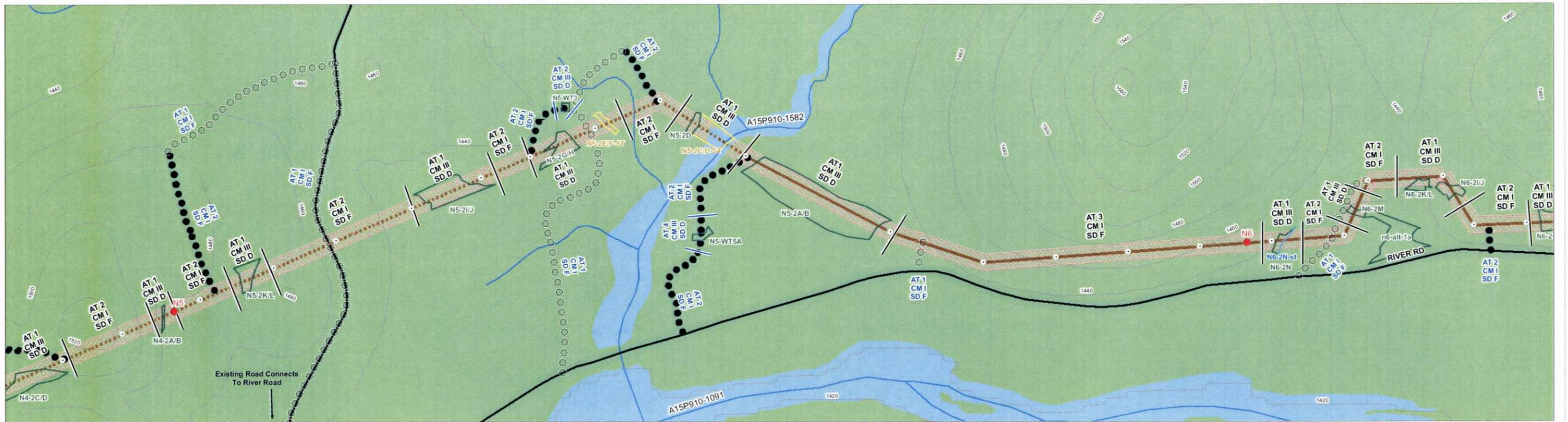
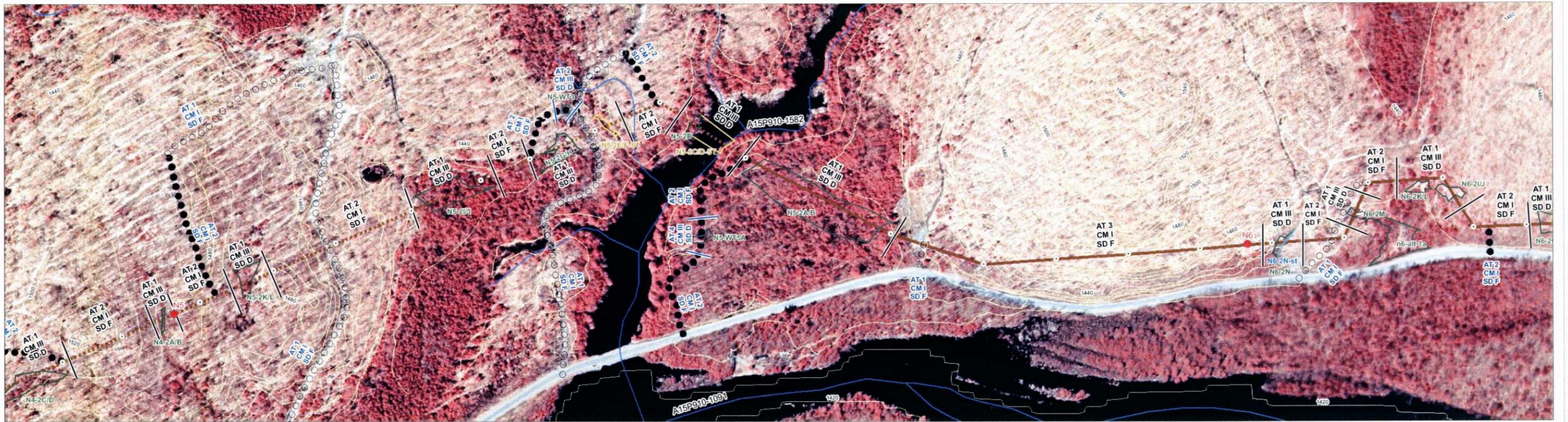
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					Sheet 27 EWP Map N1 - N2	



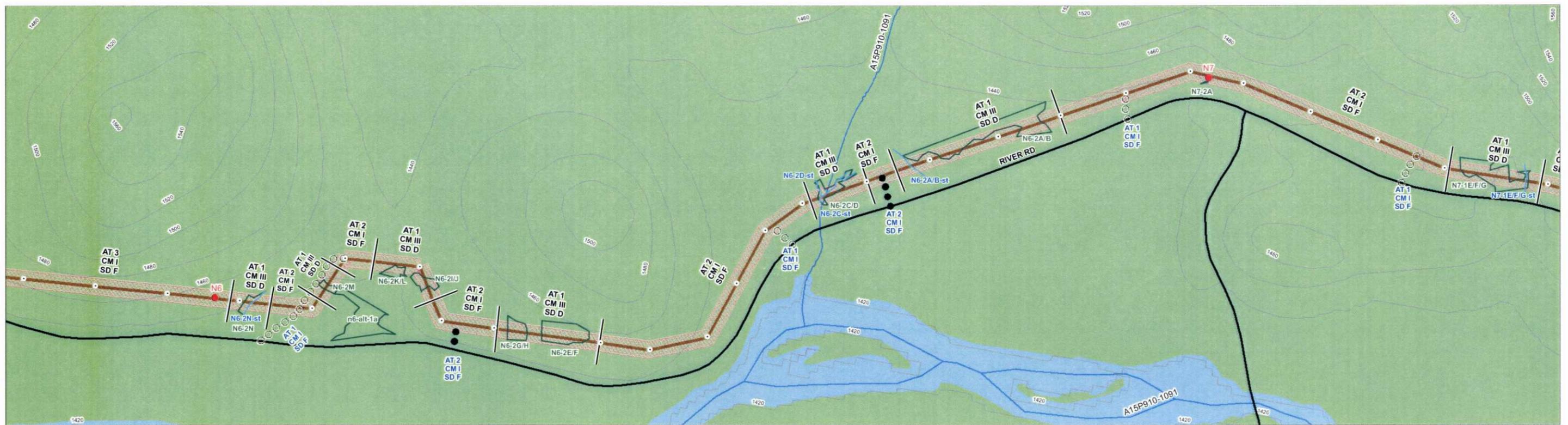
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream		Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way		EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } For Definitions)		Wetland Fieldwork - Delineated Wetland Streams - Delineated Wetlands - Delineated Streams S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2GH-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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 29 EWP Map N3 - N4
---	--	---	--	---	--	--	--	--	--	--	--



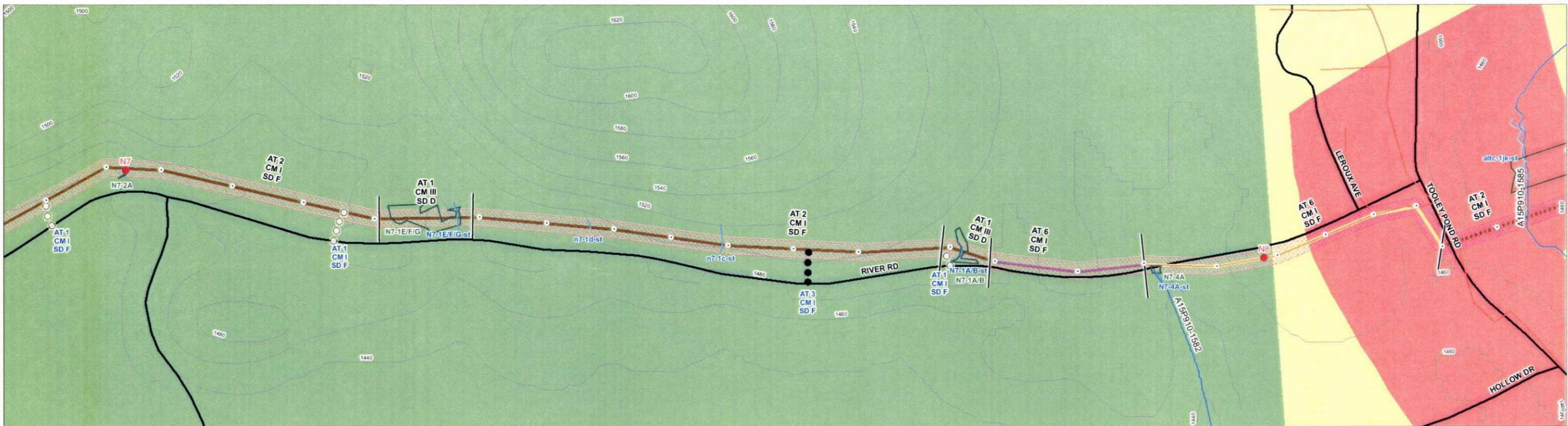
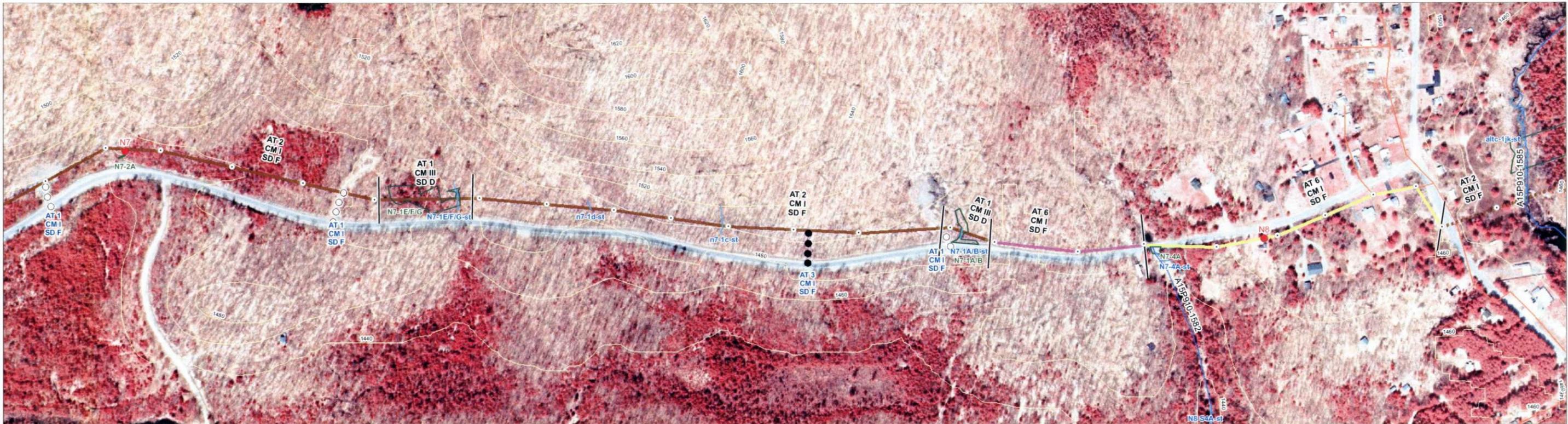
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					 Sheet 30 EWP Map N4 - N5	



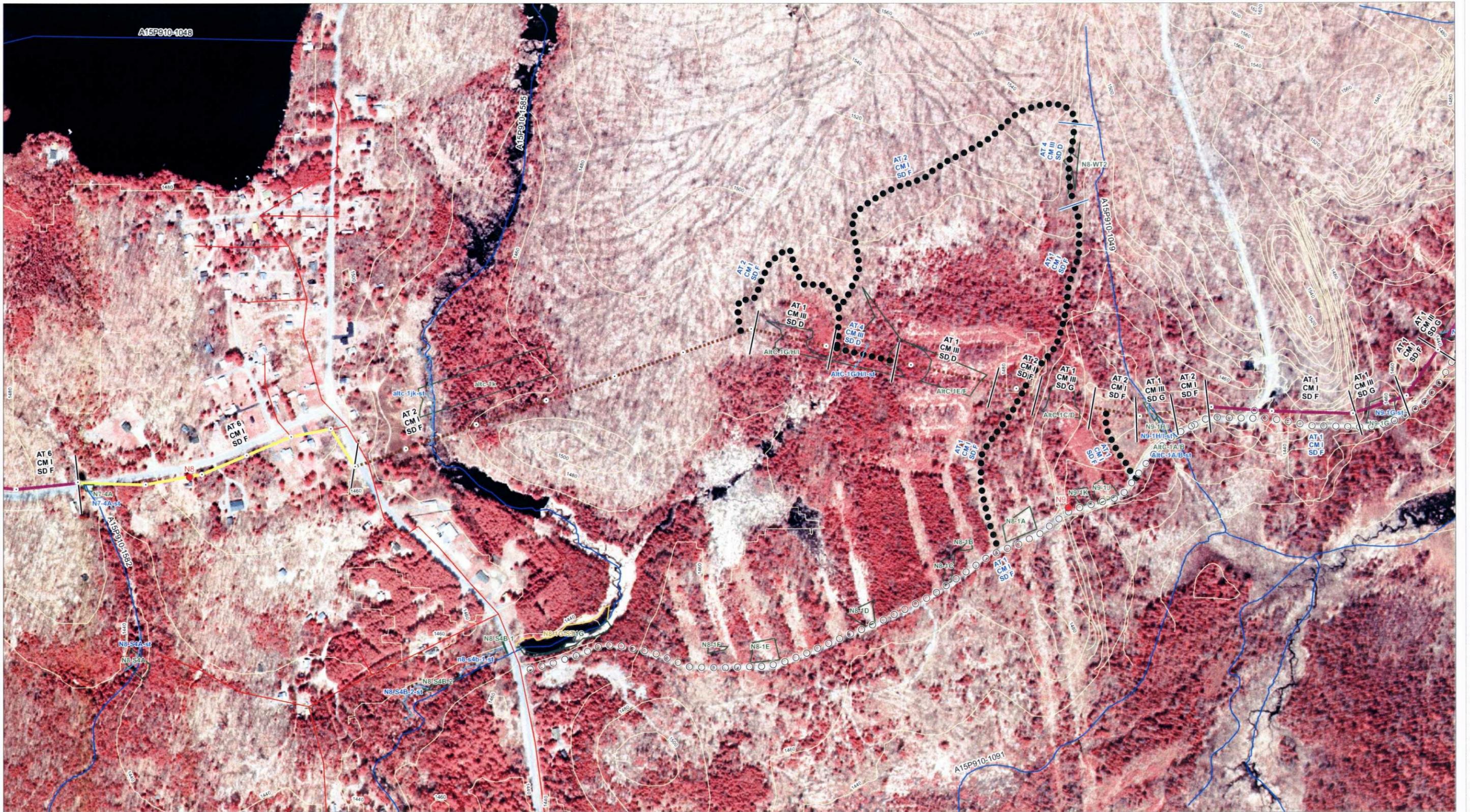
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line - Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span - 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan
					Sheet 31 EWP Map N5 - N6	



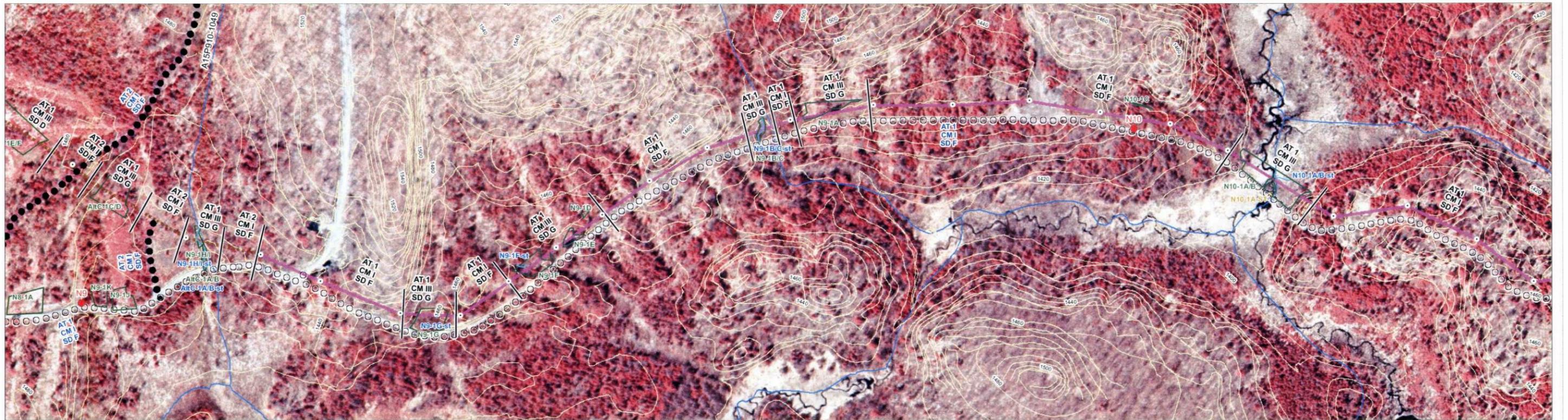
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan	 Sheet 32 EWP Map N6 - N7



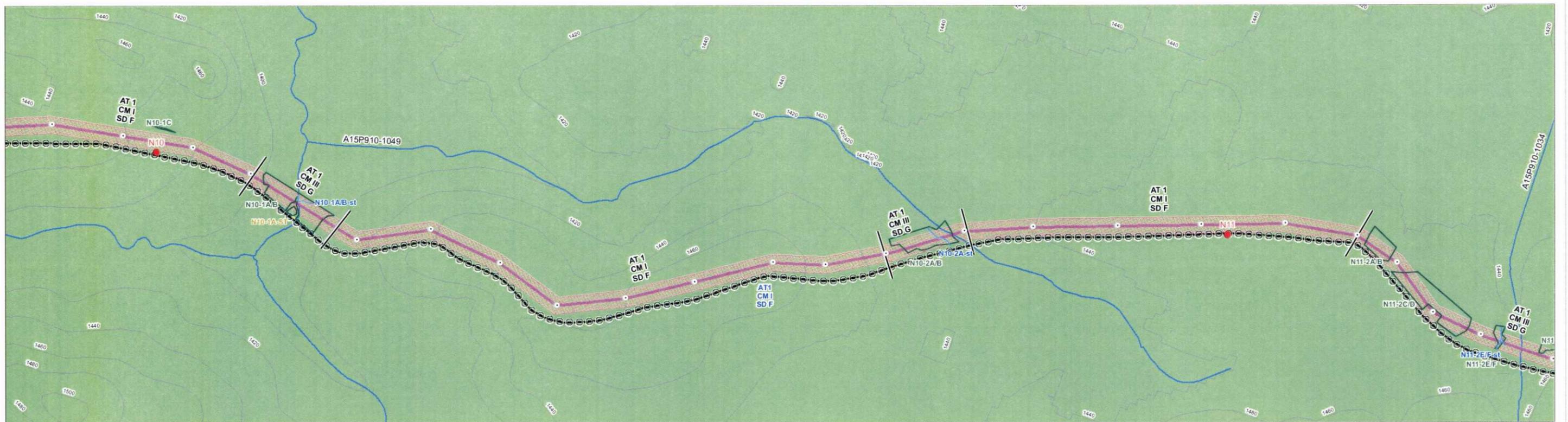
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ■ Cross Country - New Overhead Offset - New Overhead - New Underground - Overbuild - Span 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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	1:2400 1" = 200' Tri-Lakes Reliability Project Environmental Work Plan
					Notes: UTM Zone 18 NAD 83	



Legend Existing Condition <ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	Proposed Transmission Line <ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	EWP Legend <ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure 	Wetland Fieldwork <ul style="list-style-type: none"> Delineated Wetland Streams Delineated Wetlands Delineated Streams 	APA Land Class Legend <ul style="list-style-type: none"> Hamlet Moderate Intensity Low Intensity Rural Use Resource Management Industrial Use Wilderness 	Wetland Fieldwork <ul style="list-style-type: none"> S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2G/H-ST = Wetland Stream ID 	Work Codes CM I } CM II } CM III } SD F } SD G } SD D } For Definitions)	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' 	Tri-Lakes Reliability Project Environmental Work Plan 	Sheet 34 (b) EWP Map N8 - N9 (b)
							Wetland Fieldwork <ul style="list-style-type: none"> Wild Forest Intensive Use State Administrative Pending Classification Water 	Environmental Work Plan 		



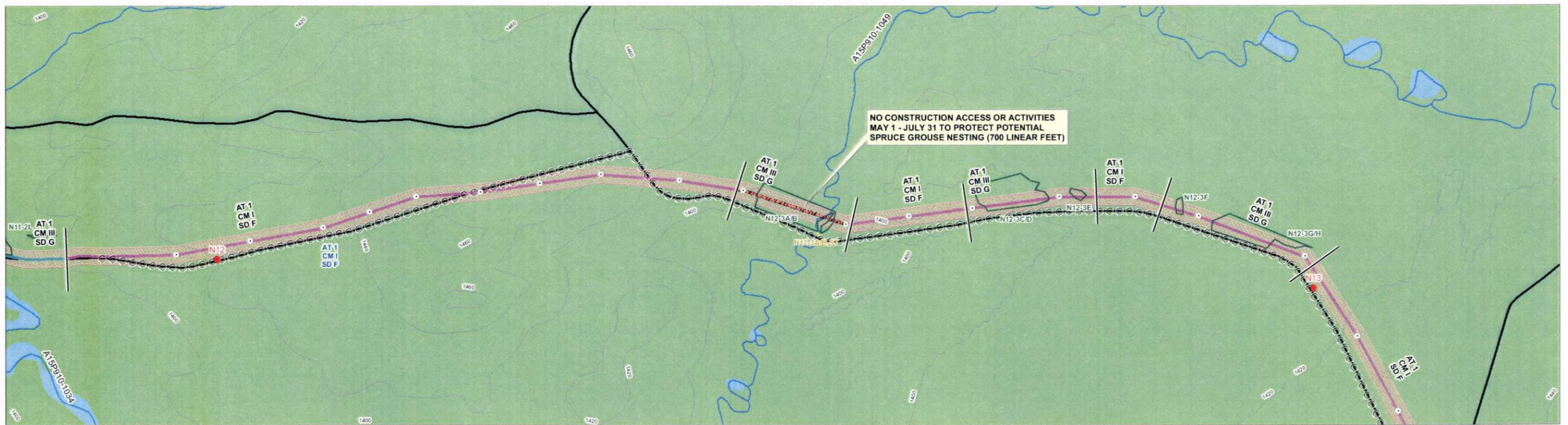
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ○ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure } Work Codes CM I } (See Cover Sheet SD F } 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 ■ 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' Tri-Lakes Reliability Project Environmental Work Plan
					 Sheet 35 EWP Map N9 - N10	



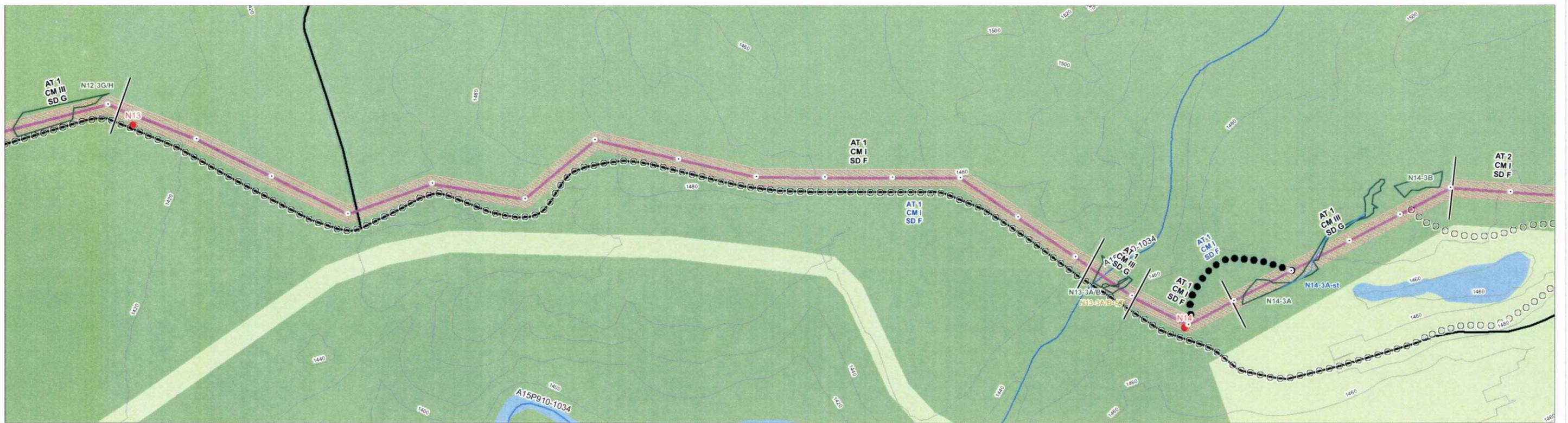
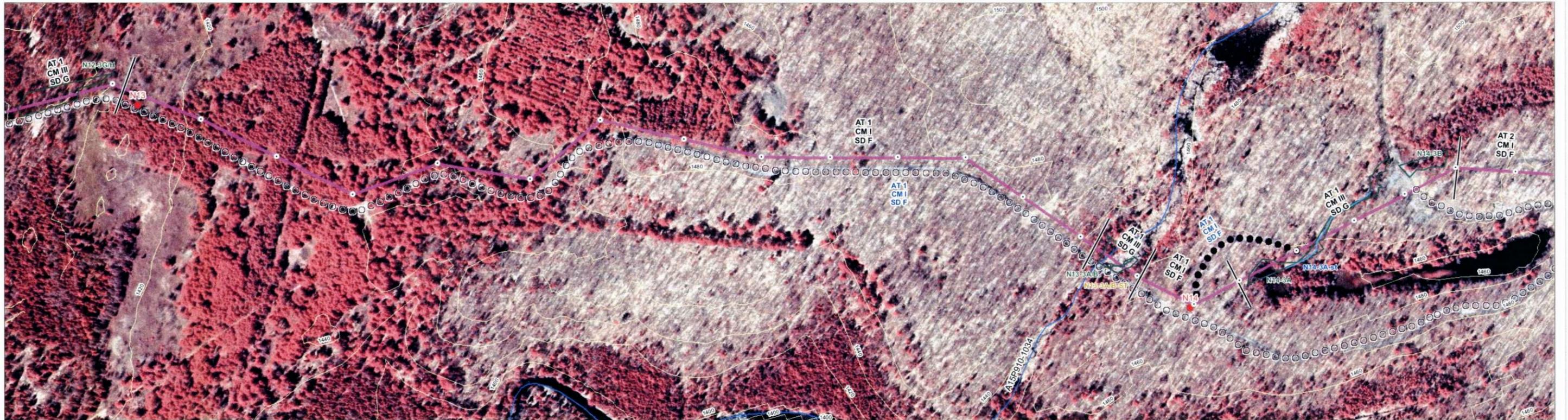
Legend Existing Condition ● Reference Marker — Existing Distribution • Poles — Road Center Lines — Contour Interval (20ft) — DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan	 Sheet 36 EWP Map N10 - N11



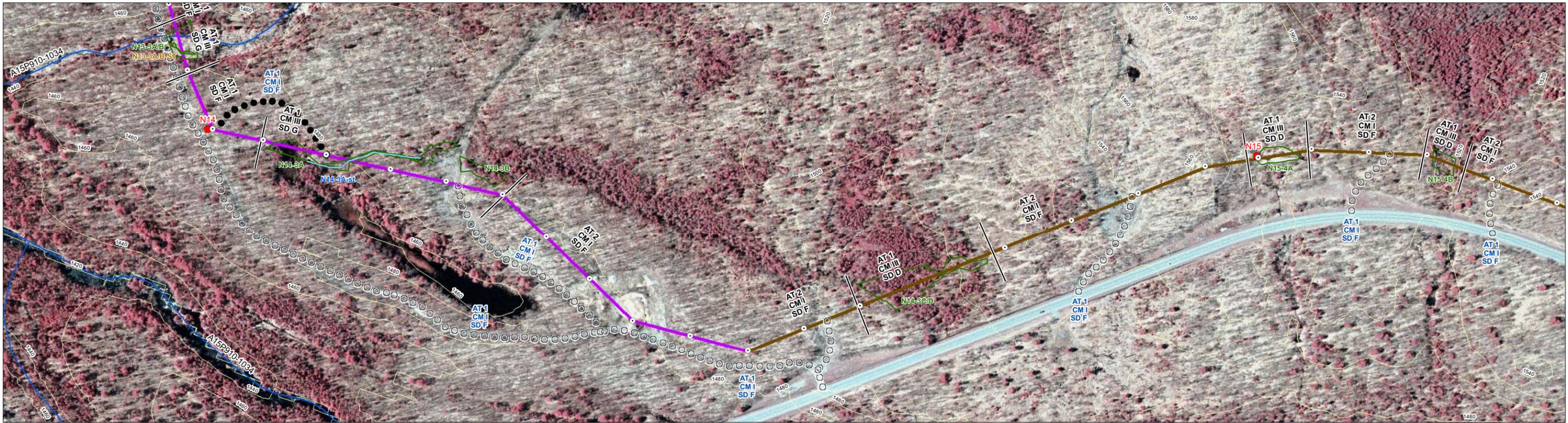
Legend	Existing Condition	Proposed Transmission Line	EWP Legend	Wetland Fieldwork	APA Land Class Legend	Data Source:	1:2400 1" = 200' 	
	<ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	<ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	<ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } For Definitions) 	<ul style="list-style-type: none"> Delineated Wetland Streams Delineated Wetlands Delineated Streams S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2GH-ST = Wetland Stream ID 	<ul style="list-style-type: none"> Hamlet Moderate Intensity Low Intensity Rural Use Resource Management Industrial Use Wilderness Wild Forest Intensive Use State Administrative Pending Classification Water 	<ul style="list-style-type: none"> NYS GIS Clearing House NYS Adirondack Park Agency NYS DEC NY Power Authority National Grid NYS DOT 		Notes: UTM Zone 18 NAD 83



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 } Work Codes CM I } (See Cover Sheet SDF } For Definitions)	Wetland Fieldwork ■ Delineated Wetland Streams ■ Delineated Wetlands — Delineated Streams S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2GH-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' Tri-Lakes Reliability Project Environmental Work Plan
					Sheet 38 EWP Map N12 - N13	



Legend Existing Condition <ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	Proposed Transmission Line <ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	EWP Legend <ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure 	Wetland Fieldwork <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Hamlet Moderate Intensity Low Intensity Rural Use Resource Management Industrial Use Wilderness Wild Forest Intensive Use State Administrative Pending Classification Water 	Data Source: <ul style="list-style-type: none"> NYS GIS Clearing House NYS Adirondack Park Agency NYS DEC NY Power Authority National Grid NYS DOT 	
					Notes: UTM Zone 18 NAD 83	



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 Work Trail Location
- ⊗ Three Pole Long Span Structure
- AT 2** } Work Codes
CM I } (See Cover Sheet
SD F } 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

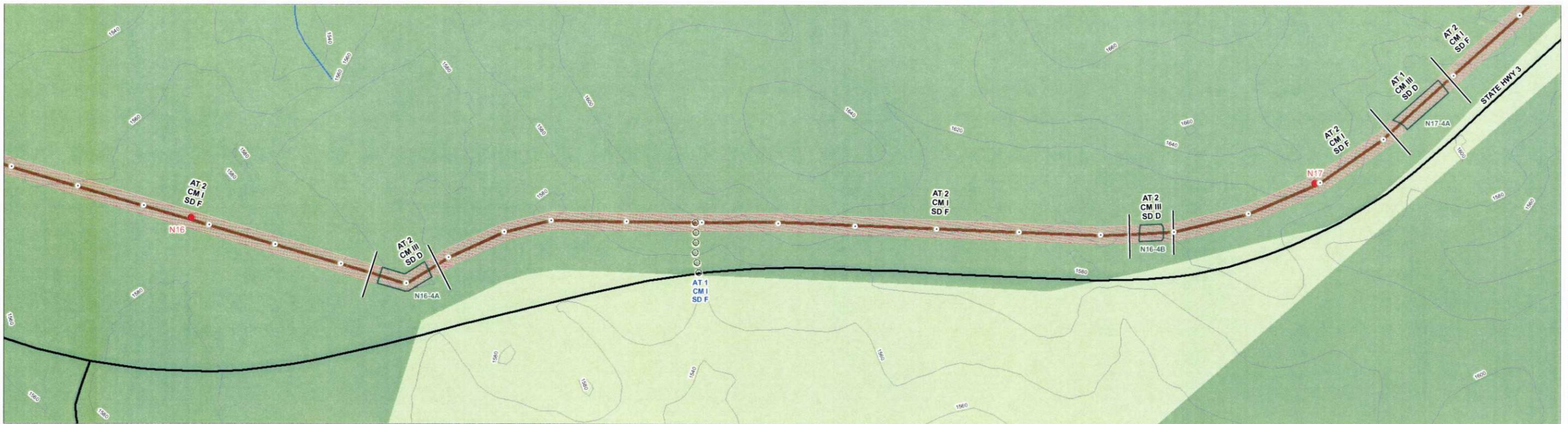
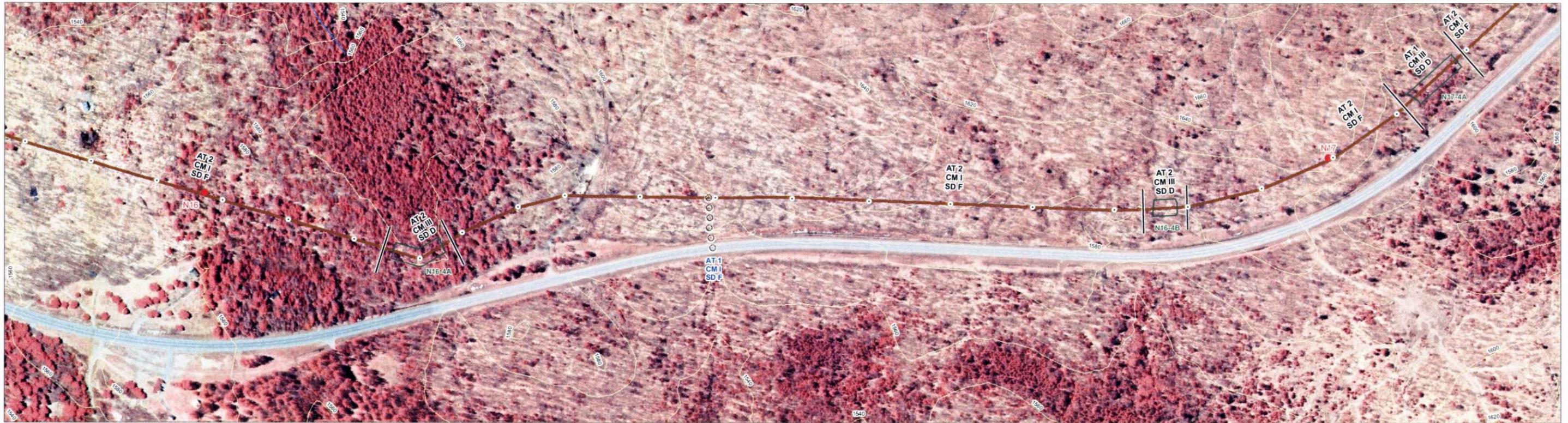
- Hamlet
- Moderate Intensity
- Low Intensity
- Rural Use
- Resource Management
- Industrial Use
- Wilderness
- Wild Forest
- Intensive Use
- State Administrative
- Pending Classification
- Water

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	

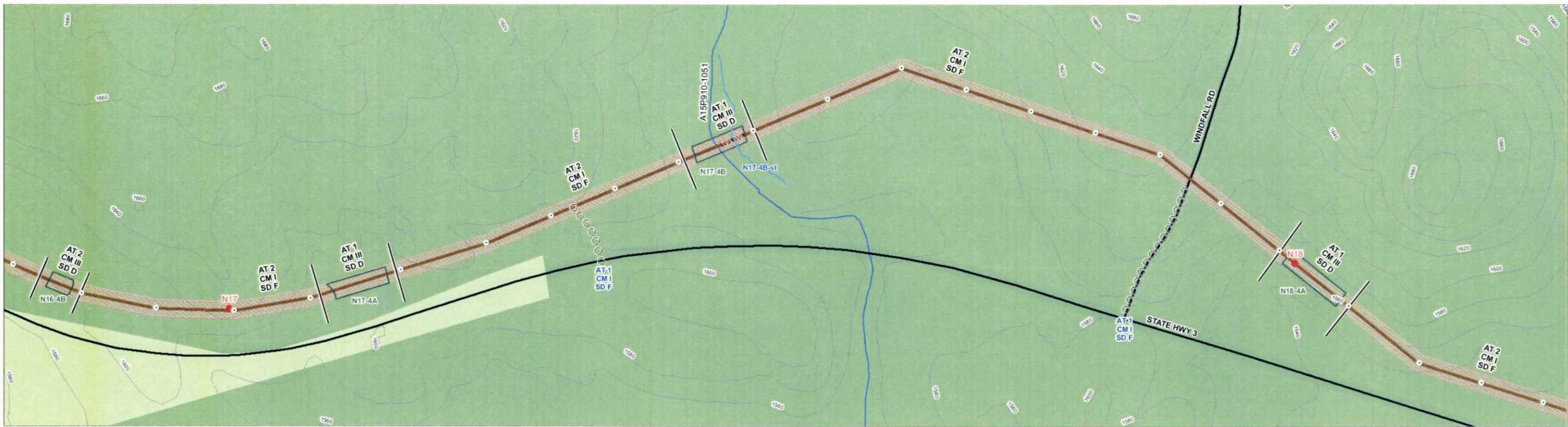
1:2400 1" = 200' 	
Tri-Lakes Reliability Project	
Environmental Work Plan	
	Sheet 40 EWP Map N14 - N15



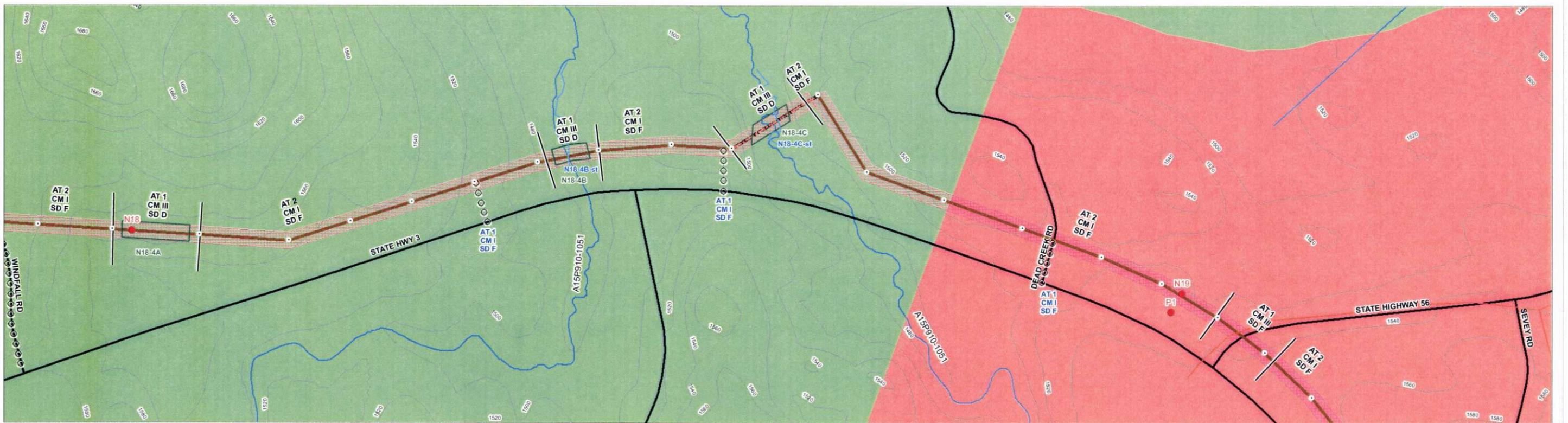
Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure Work Codes AT 2 } CM I } (See Cover Sheet) SD F } 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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 41 EWP Map N15 - N16
---	---	--	---	--



Legend	Existing Condition	Proposed Transmission Line	EWP Legend	Wetland Fieldwork	APA Land Class Legend	Data Source:	1:2400 1" = 200' 	
	<ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	<ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	<ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure <p> AT 2 CM I SD F </p> <p> Work Codes (See Cover Sheet For Definitions) </p>	<ul style="list-style-type: none"> Delineated Wetland Streams Delineated Wetlands Delineated Streams <p> S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2G/H-ST = Wetland Stream ID </p>	<ul style="list-style-type: none"> Hamlet Moderate Intensity Low Intensity Rural Use Resource Management Industrial Use Wilderness 	<ul style="list-style-type: none"> Wild Forest Intensive Use State Administrative Pending Classification Water 		NYS GIS Clearing House NYS Adirondack Park Agency NYS DEC NY Power Authority National Grid NYS DOT Notes: UTM Zone 18 NAD 83

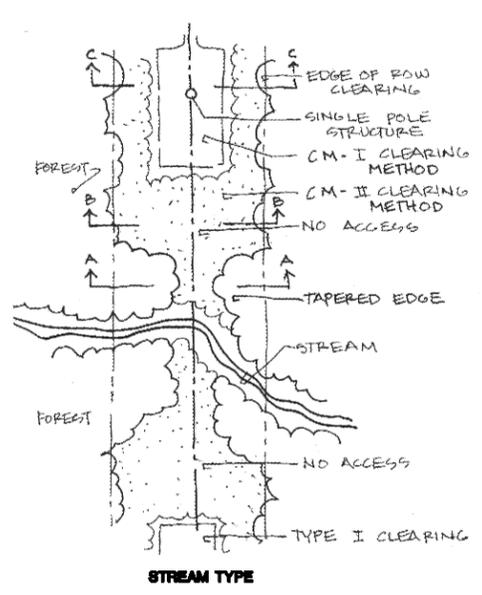


Legend Existing Condition ● Reference Marker - Existing Distribution • Poles - Road Center Lines - Contour Interval (20ft) - DEC Classified Stream	Proposed Transmission Line ■ Cross Country ■ New Overhead Offset ■ New Overhead ■ New Underground ■ Overbuild ■ Span ■ 75' Right Of Way	EWP Legend ○ Off ROW Existing Work Trail Location ● Off ROW New Work Trail Location ⊗ Three Pole Long Span Structure AT 2 } Work Codes CM I } (See Cover Sheet SD F } For Definitions)	Wetland Fieldwork ■ Delineated Wetland Streams ■ Delineated Wetlands ■ Delineated Streams S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2GH-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' Tri-Lakes Reliability Project Environmental Work Plan Sheet 43 EWP Map N17 - N18

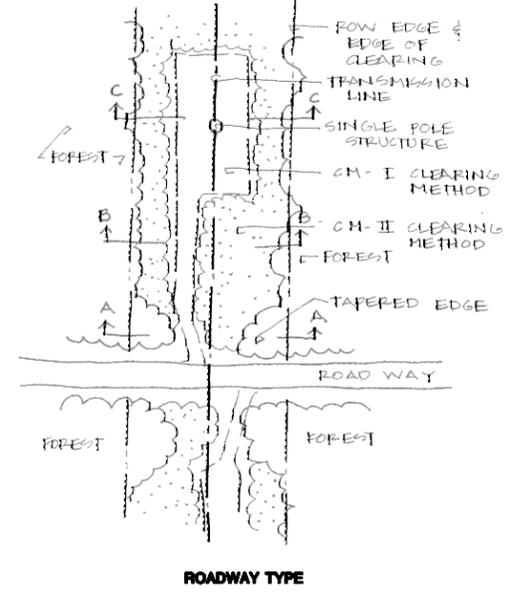


Legend Existing Condition <ul style="list-style-type: none"> Reference Marker Existing Distribution Poles Road Center Lines Contour Interval (20ft) DEC Classified Stream 	Proposed Transmission Line <ul style="list-style-type: none"> Cross Country New Overhead Offset New Overhead New Underground Overbuild Span 75' Right Of Way 	EWP Legend <ul style="list-style-type: none"> Off ROW Existing Work Trail Location Off ROW New Work Trail Location Three Pole Long Span Structure <p>AT 2 } Work Codes CM I } (See Cover Sheet SD F } For Definitions)</p>	Wetland Fieldwork <ul style="list-style-type: none"> Delineated Wetland Streams Delineated Wetlands Delineated Streams <p>S6-3B/C = Wetland ID S5-3B/C-st = Stream ID S9-2G/H-ST = Wetland Stream ID</p>	APA Land Class Legend <ul style="list-style-type: none"> 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 <small>Notes: UTM Zone 18, NAD 83</small>	1:2400 1" = 200' Tri-Lakes Reliability Project Environmental Work Plan Sheet 44 EWP Map N18 - N19

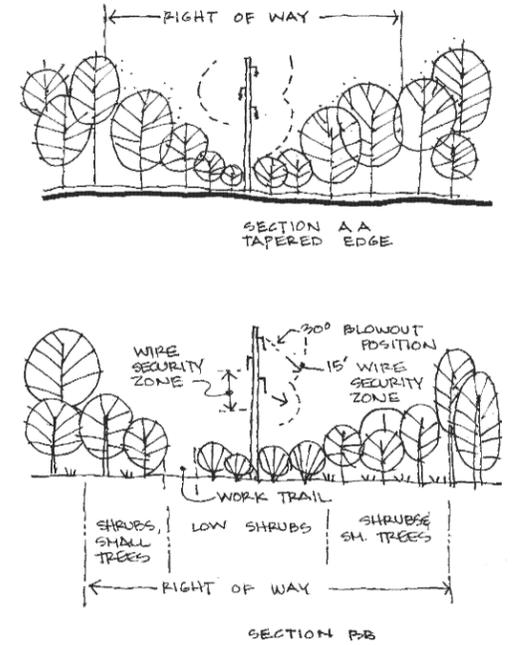
G:\Proj-05\05022_Tri Lakes\Cad\5022graphics.dwg, Model, 12/20/2005 10:30:39 AM, 1-2 22326



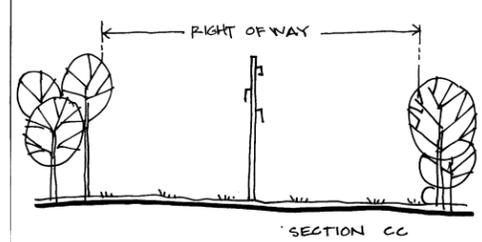
STREAM TYPE



ROADWAY TYPE

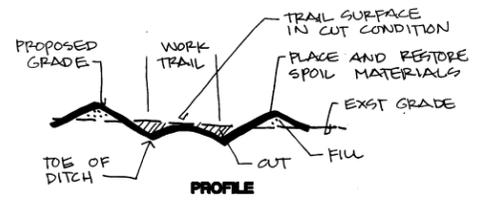


SECTION BB

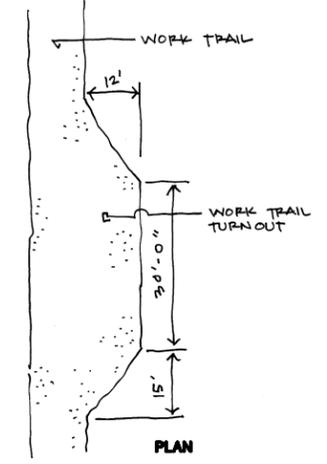


SECTION CC

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



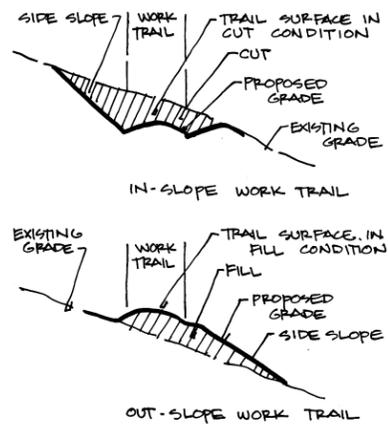
PROFILE



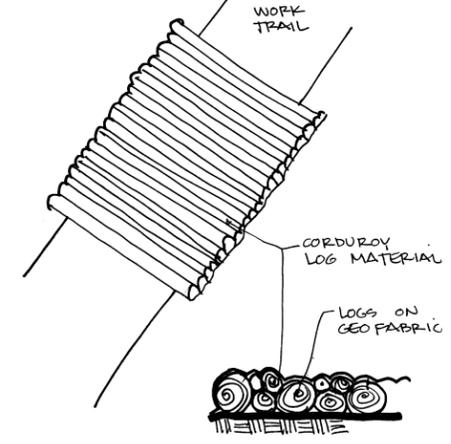
PLAN

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.

1 CLEARING METHODS



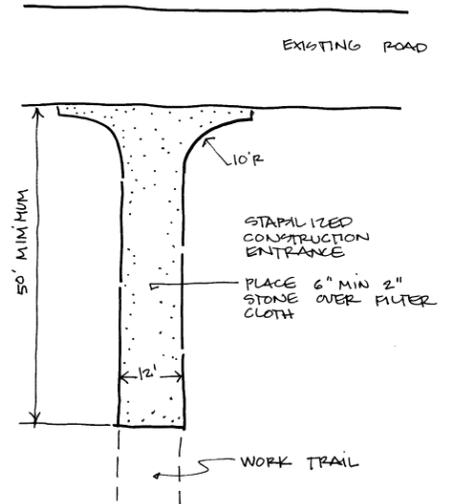
NOTES:
1. USE—IN MODERATE TO STEEP TERRAIN (10-20%) SIDESLOPES, WHERE IT IS NECESSARY TO CROSS THE SLOPE ON A DIAGONAL, THEREBY REDUCING THE GRADE TO IMPROVE ACCESSIBILITY, SIDE HILL CUTS SHALL BE MADE.
2. ALL STUMPS SHALL BE GRUBBED FROM SIDE HILL CUTS.
3. ALL TOPSOIL SHALL BE EXCAVATED TO THE SUBSOIL.
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°.



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

3 SIDEHILL CUTS



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

Scale: As Noted

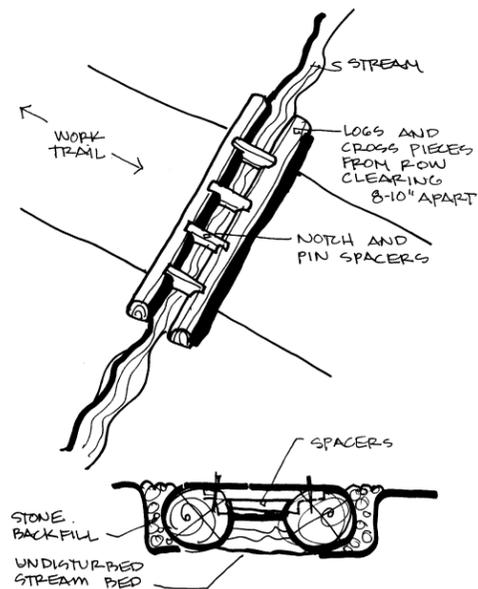
Tri-Lakes Reliability Project

Environmental Work Plan Details

New York Power Authority

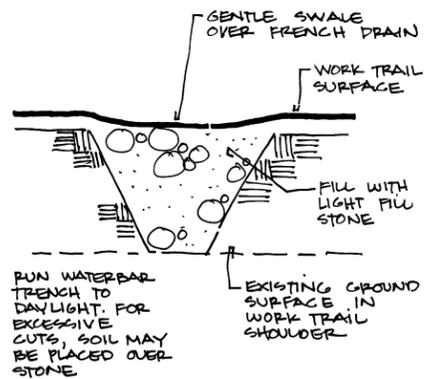
Sheet Number: 1

G:\Proj-05\05022_Tri Lakes\Cad\5022graphics.dwg, Model, 12/20/2005 10:33:18 AM, 1-2 2,2326



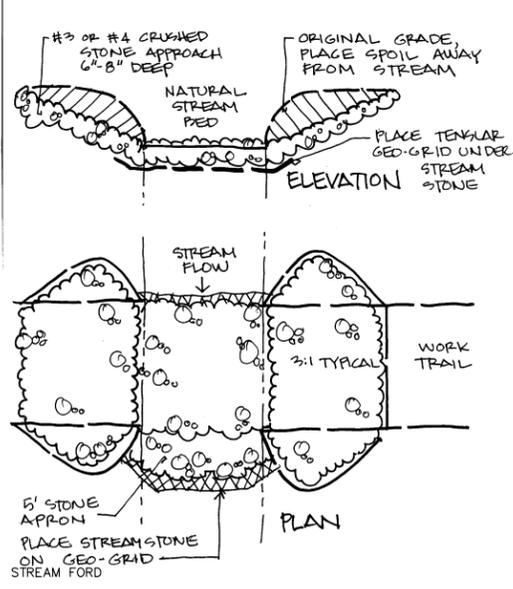
- NOTES:
- USE-FOR EQUALIZATION OF MODERATE FLOW, AS WELL AS FOR DITCH RELIEF WHEN A HIGHER OR CONTINUOUS DITCH FLOW MAY BE EXPECTED.
 - THEY SHALL BE INSTALLED ACROSS THE ROAD ON AN OBLIQUE ANGLE.
 - UTILIZE 10 TO 14 INCH DIAMETER LOGS, SET 8 TO 10 INCHES APART.
 - LOGS SHOULD BE SET INTO THE ROAD SO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

6 TYPICAL LOG CULVERT



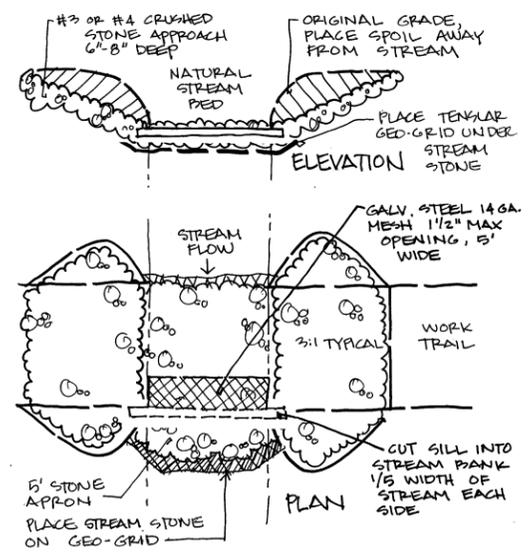
- NOTES:
- USE-FOR EQUALIZATION OF STANDING WATER LEVELS ACROSS THE WORK TRAIL, OR FOR THE RELIEF OF MODERATE SPRING SEE PAGE ACROSS THE WORK TRAIL IN HILLY TERRAIN.

7 TYPICAL FRENCH DRAIN

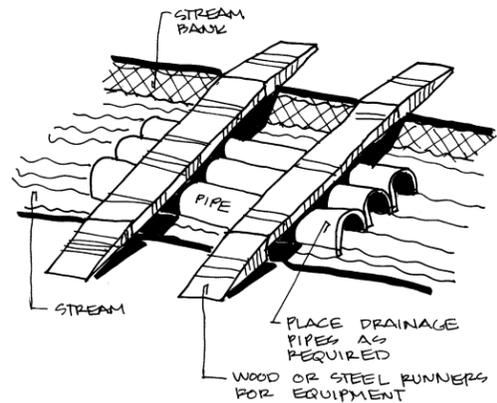


- NOTES:
- SILL TO BE 12"x12" TIMBER OR EQUALLY SUBSTANTIAL POLE, CONCRETE BEAM OR STEEL BEAM. CONCRETE MUST BE PRECAST, OF COMMERCIAL QUALITY WITH A MINIMUM OF 6 BAGS OF PORTLAND CEMENT PER YARD. PRIOR CORPORATION APPROVAL IS REQUIRED FOR ALL SILL MATERIAL.
 - BARS ARE TO BE NEW STEEL, #2; DRIVEN TO REFUSAL OR 6-0" MAXIMUM ON 2-0" CENTERS, WITH TOPS BENT DOWN-STREAM AND OFFERING POSITIVE SUPPORT TO SILL.
 - 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.
 - STONE IS TO BE ASTM C33, 3 1/2" TO 1 1/2" FROM SOURCE APPROVED BY THE CORPORATION.
 - 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

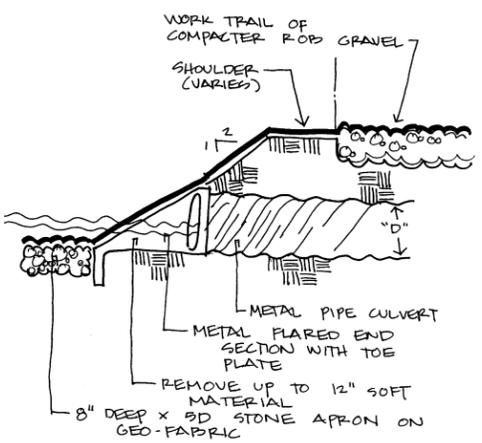


9 STREAM FORD - WITH A SILL



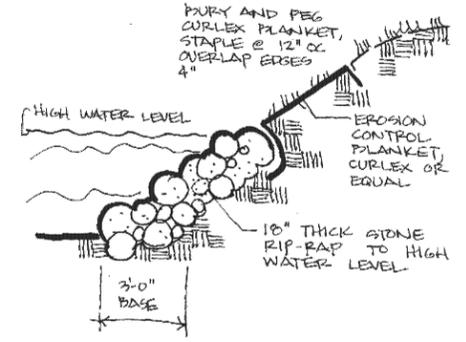
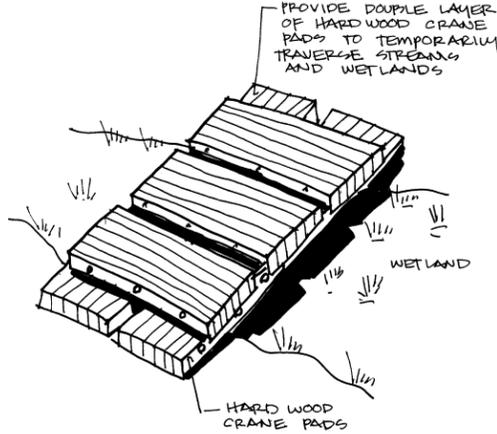
- NOTES:
- USE-WHERE STREAM APPROACHES AREA STEEP OR THE STREAM IS CHANNELIZED OR THIS TECHNIQUE MAY BE UTILIZED IN CROSSING PROTECTED STREAMS WHERE A MINIMUM DISTURBANCE TO THE STREAM SUBSTRATE IS NECESSARY.

10 TEMPORARY STREAM CROSSING



- NOTES:
- CROWN ROADWAY 1/2 INCH PER FOOT.
 - LAY THE CULVERT STRAIGHT AND AS NEARLY AS POSSIBLE ALONG THE EXISTING STREAM BED AND WITH THE INVERTS SLIGHTLY BELOW BED ELEVATION TO ENABLE UNIMPEDDED MOVEMENT OF AQUATIC SPECIES.
 - 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" |
- INSTALLATION OF CULVERTS LARGER THAN 36-INCH DIAMETER SHALL REQUIRE SPECIAL ENGINEERING DESIGN.
 - SELECT SUBGRADE SHALL BE A GRANULAR MATERIAL AS DESCRIBED IN NYS DOT SPECIFICATION ITEM 203-2.02C.
 - STONE RIP-RAP SHALL BE AS DESCRIBED IN NYS DOT SPECIFICATION ITEM 203-2.02D, WITH 8 INCH MAXIMUM SIZE.
 - EXCEPT WHERE PROTECTED BY STONE, ALL EMBANKMENT SLOPES ARE TO BE STABILIZED, MULCHED, AND SEEDED AS PER PROJECT SPECIFICATIONS.
 - OUTLET SHALL BE CONFIGURED NOT TO CREATE HYDRAULIC JUMP OR PLUNGE POOL.
 - INSTALL BEAVER GUARDS AS DIRECTED.

11 CORRUGATED STEEL CULVERT

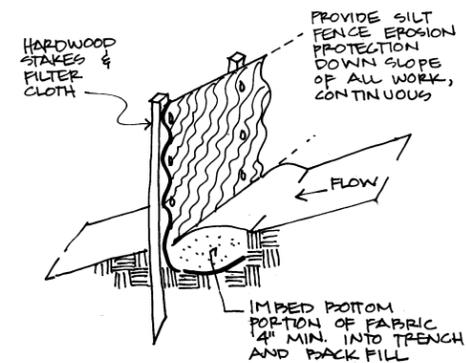


- NOTES:
- ALL RIP-RAP ACTIVITIES MUST COMPLY WITH THE CONDITIONS OF THE PERMITS.
 - LIMIT USE OF RIP-RAP TO AREAS WHERE FLOW CONDITIONS PRE-EMPT VEGETATIVE STABILIZATION.

12 STREAM BANK STABILIZATION

- INSTALLATION NOTES:
- EXCAVATE A MINIMUM 6-INCH TRENCH ALONG THE BASE OF SILT FENCE LOCATION.
 - UNROLL A SECTION AT A TIME AND POSITION WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
 - DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM TRENCH BOTTOM.
 - 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
- 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
 - WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED, AND STAPLED TO PREVENT SEDIMENT BYPASS.
 - SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES THE FABRIC HEIGHT.
 - 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.



SLOPE STEEPNESS	SILT FENCE CRITERIA	
	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	60 FT.	500 FT.
3:1 TO 2:1	40 FT.	250 FT.
2:1 TO STEEPER	20 FT.	125 FT. NOTE:

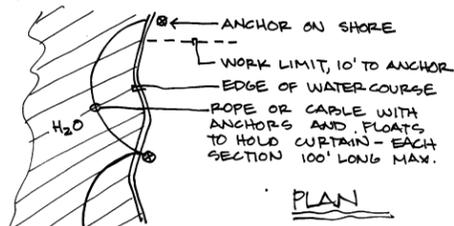
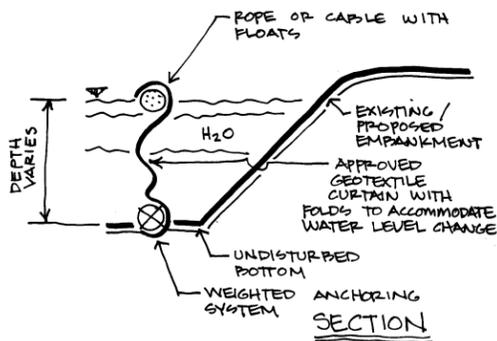
13 SILT FENCE

Scale: As Noted

Tri-Lakes Reliability Project

Environmental Work Plan Details

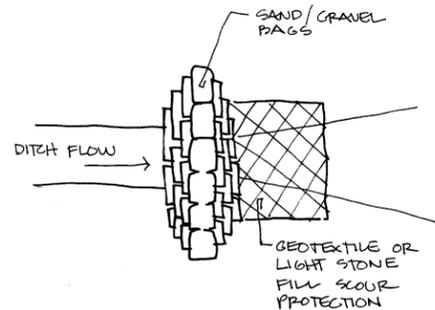
Sheet Number: 2



- 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

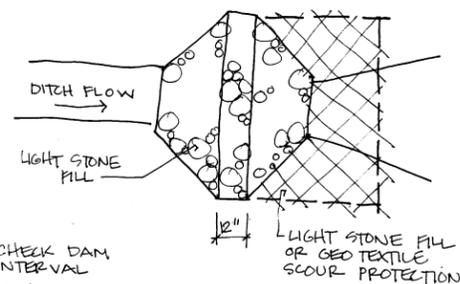
N.T.S.



- 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.

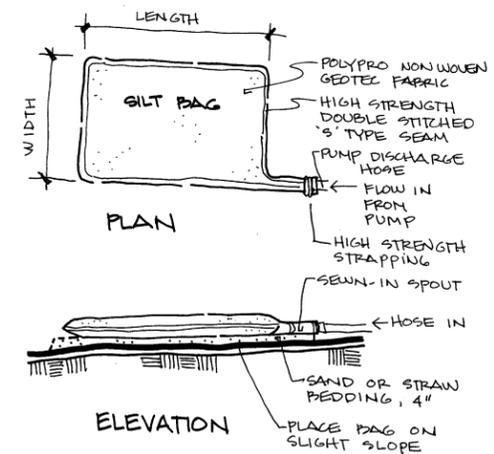


CHECK DAM INTERVAL	DITCH SLOPE	PLACEMENT INTERVAL
< 3%		130 FT
3 - 5%		100 FT
> 5%		75 FT

- 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

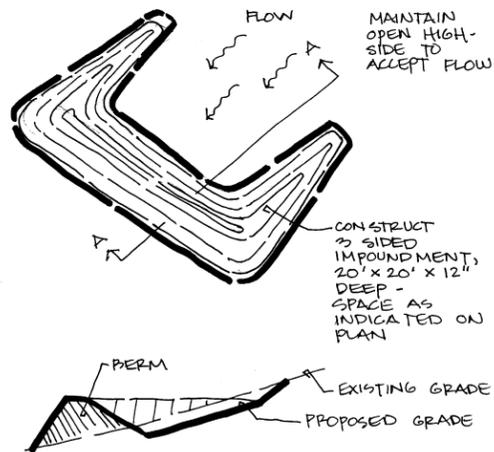
N.T.S.



- 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

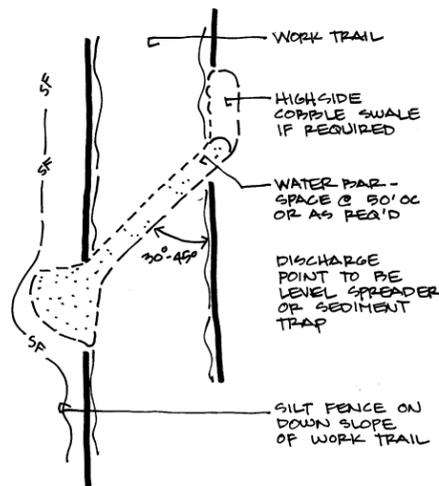
N.T.S.



- 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

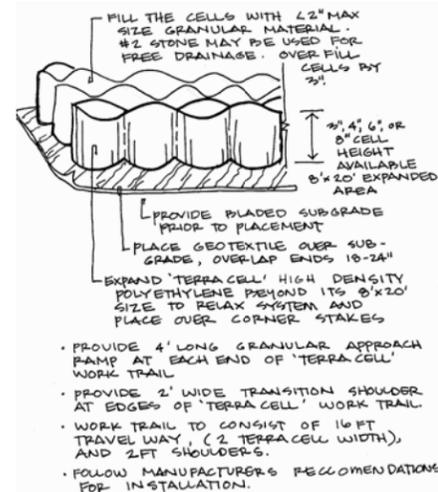
N.T.S.



- 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 OF 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.



- PROVIDE 4' LONG GRANULAR APPROACH APRON AT EACH END OF 'TERRA CELL' WORK TRAIL
- PROVIDE 2' WIDE TRANSITION SHOULDER AT EDGES OF 'TERRA CELL' WORK TRAIL
- WORK TRAIL TO CONSIST OF 16 FT TRAVEL WAY, (2 TERRA CELL WIDTH), AND 2 FT SHOULDERS.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

20 CELLULAR CONFINEMENT SYSTEM

N.T.S.

Scale: As Noted

Tri-Lakes Reliability Project

Environmental Work Plan Details

Sheet Number: 3

G:\Proj-05\05022_Tri_Lakes\Cad\50222graphics.dwg, Model, 12/20/2005 10:32:30 AM, 1-2 2,2326