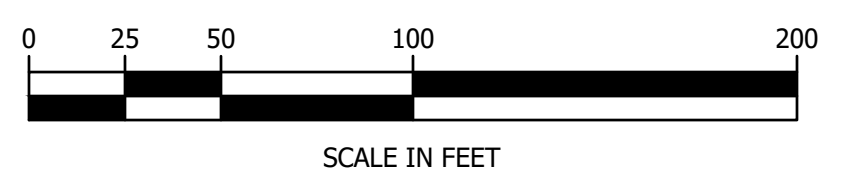
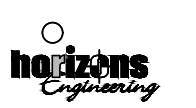


MATCH LINE - SHEET 10

LEGEND	
	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL
	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION
	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)

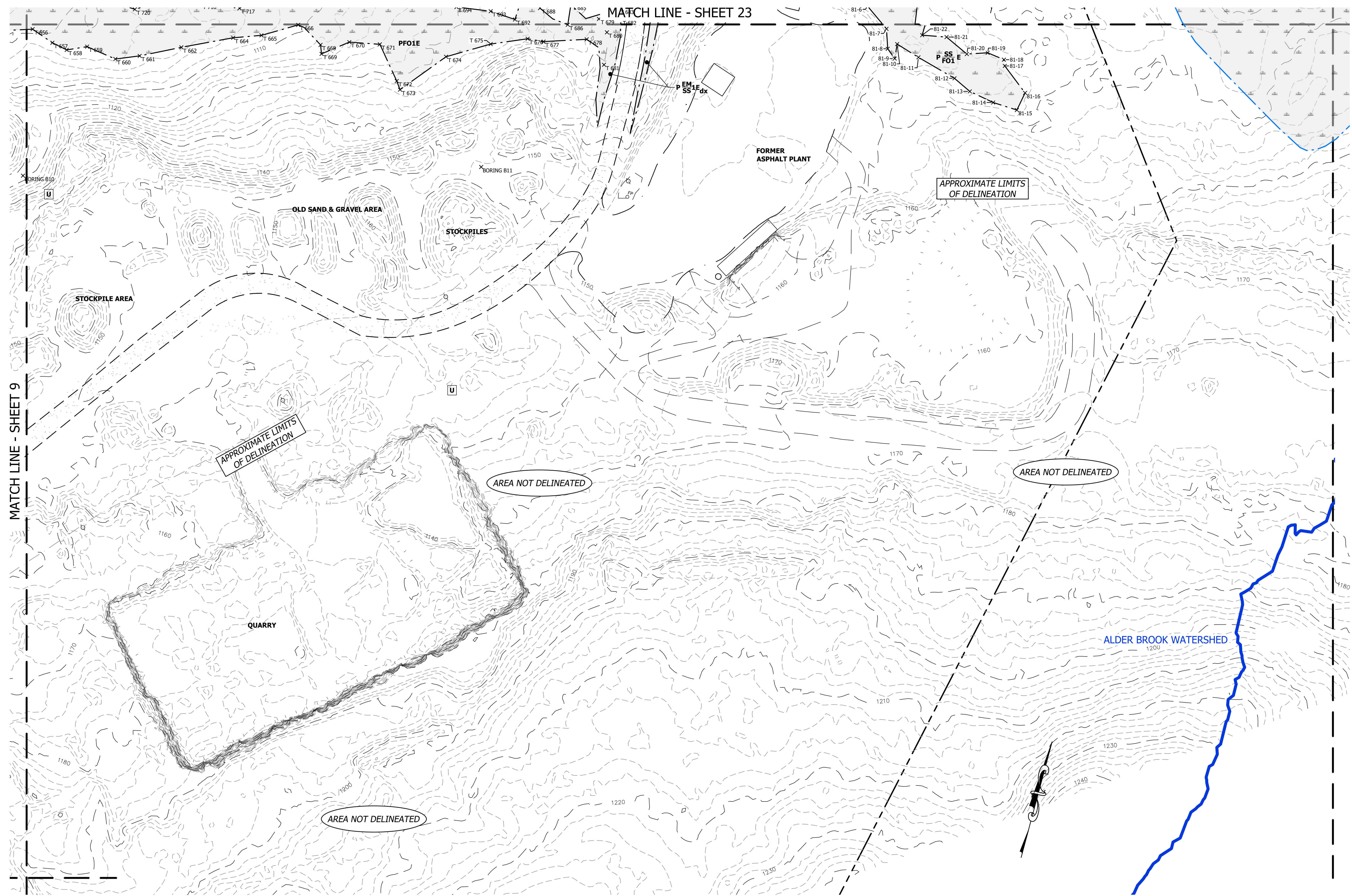


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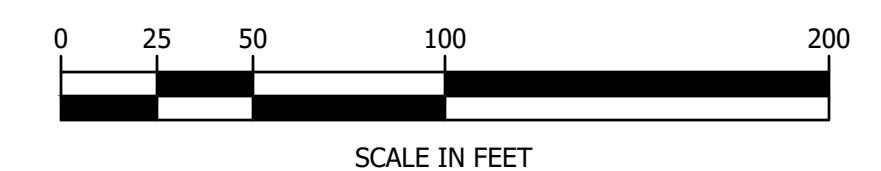


	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL

	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



FEBRUARY 01 2024

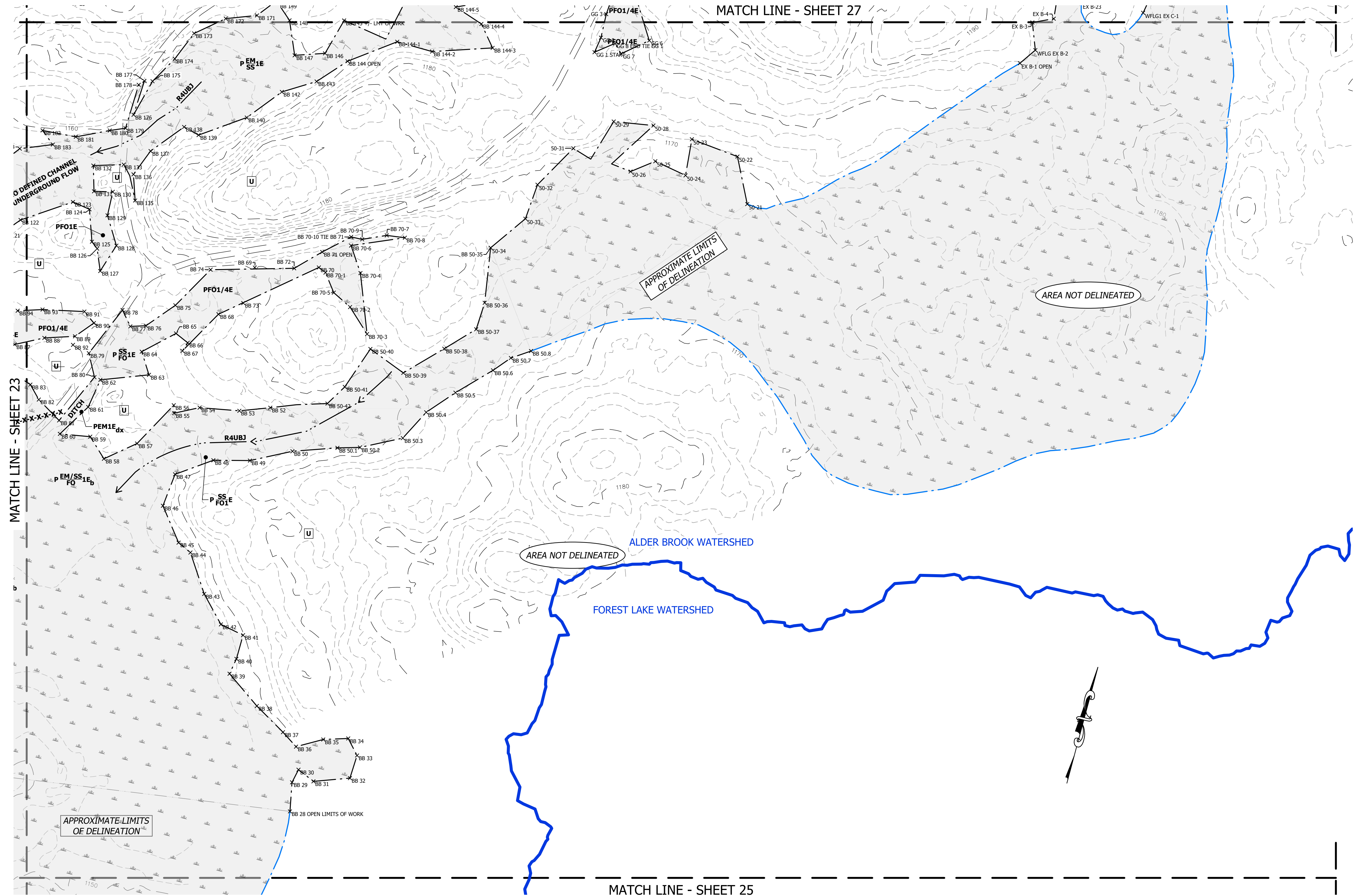


**horizons**  
Engineering

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MATCH LINE - SHEET 27



MATCH LINE - SHEET 23

MATCH LINE - SHEET 25

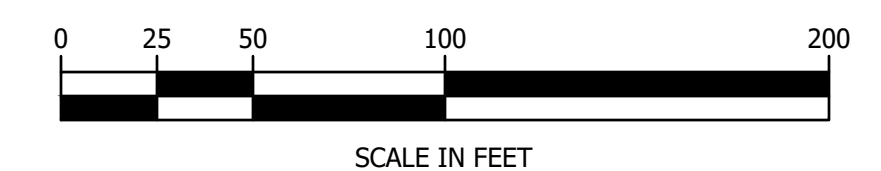
**LEGEND**

	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	WATERSHED BOUNDARY
	VERNAL POOL

	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

	BEAVER DAM
	UPLAND
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



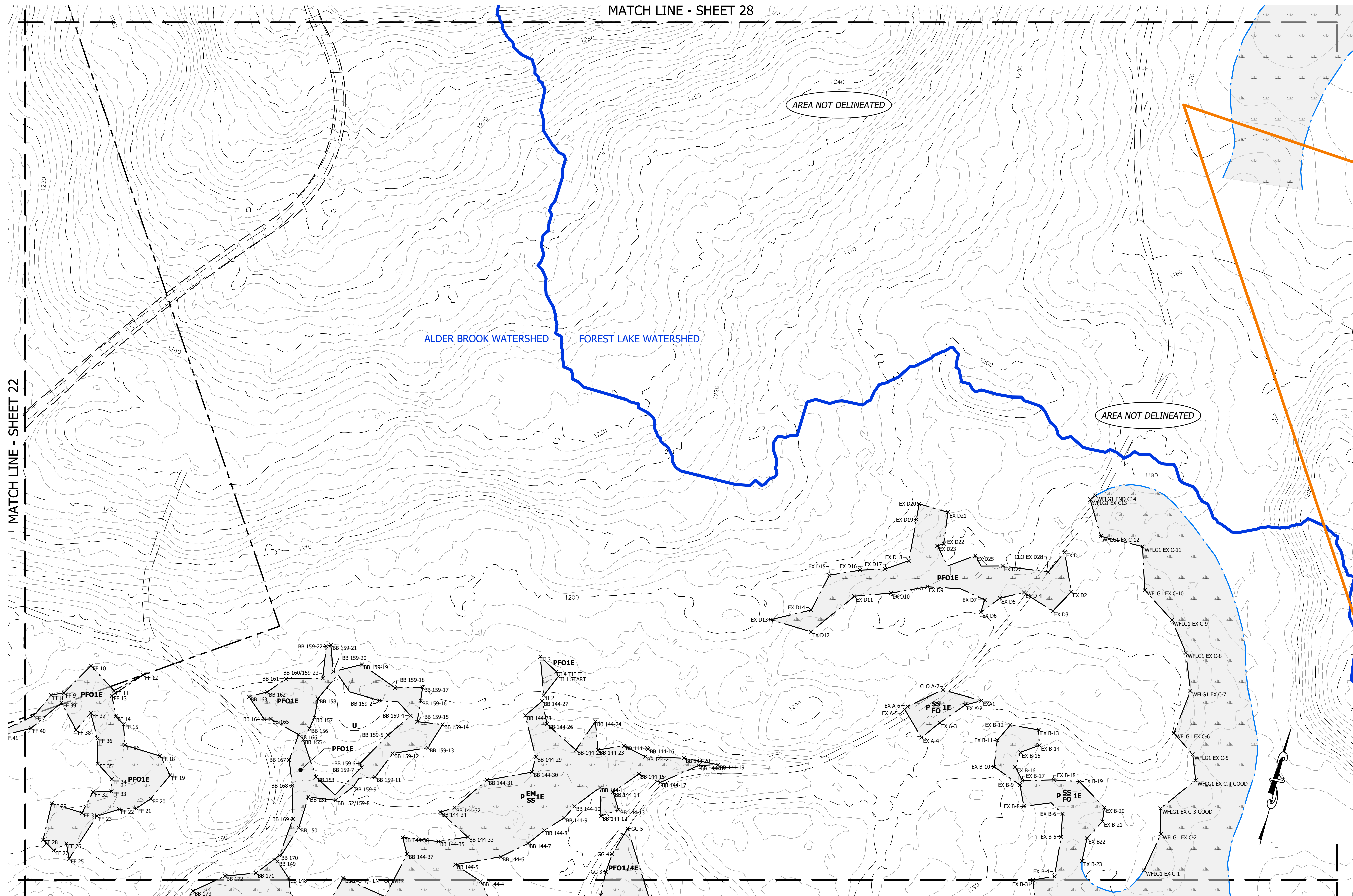
FEBRUARY 01 2024



**horizons**  
Engineering

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MATCH LINE - SHEET 28



MATCH LINE - SHEET 22

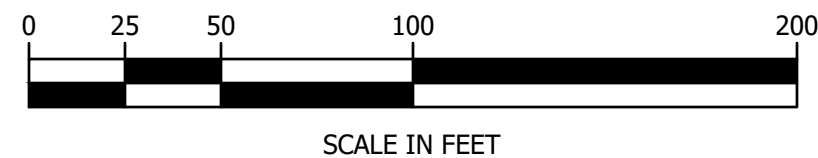
ALDER BROOK WATERSHED FOREST LAKE WATERSHED

AREA NOT DELINEATED

AREA NOT DELINEATED

LEGEND

- |  |                                |  |                          |  |  |
|--|--------------------------------|--|--------------------------|--|--|
|  | EXISTING LOT LINE              |  | ORDINARY HIGH WATER MARK |  | GRAVEL ROAD                            |
|  | SUBJECT PROPERTY BOUNDARY LINE |  | PERENNIAL STREAM         |  | MINOR CONTOUR (2')                     |
|  | WATERSHED BOUNDARY             |  | INTERMITTENT STREAM      |  | MAJOR CONTOUR (10')                    |
|  | VERNAL POOL                    |  | EPHEMERAL FLOW           |  | APPROXIMATE LOCATIONS (NOT FLAGGED)    |
|  |                                |  | WETLAND DELINEATION LINE |  | WETLAND AREA                           |
|  |                                |  | WETLAND CLASSIFICATION   |  | PERENNIAL STREAM                       |
|  |                                |  |                          |  | INTERMITTENT STREAM                    |
|  |                                |  |                          |  | EPHEMERAL FLOW                         |
|  |                                |  |                          |  | BEAVER DAM                             |
|  |                                |  |                          |  | UPLAND                                 |
|  |                                |  |                          |  | GROUNDWATER SEEP                       |
|  |                                |  |                          |  | FLAG POINT AND ID # (STRING# & FLAG #) |



FEBRUARY 01 2024



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MATCH LINE - SHEET 30

MATCH LINE - SHEET 20

MATCH LINE - SHEET 28

APPROXIMATE LIMITS OF DELINEATION

ALDER BROOK WATERSHED

FOREST LAKE WATERSHED

AREA NOT DELINEATED

AREA NOT DELINEATED

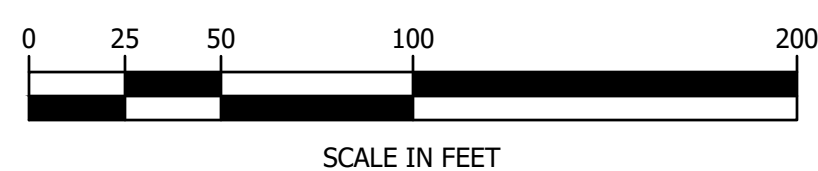
LEGEND

- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- WATERSHED BOUNDARY
- VERNAL POOL

- ohw --- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- X-X-X-X-X BEAVER DAM
- U UPLAND
- GW SEEP GROUNDWATER SEEP
- 46-8-X AA-15X FLAG POINT AND ID # (STRING# & FLAG #)



FEBRUARY 01 2024



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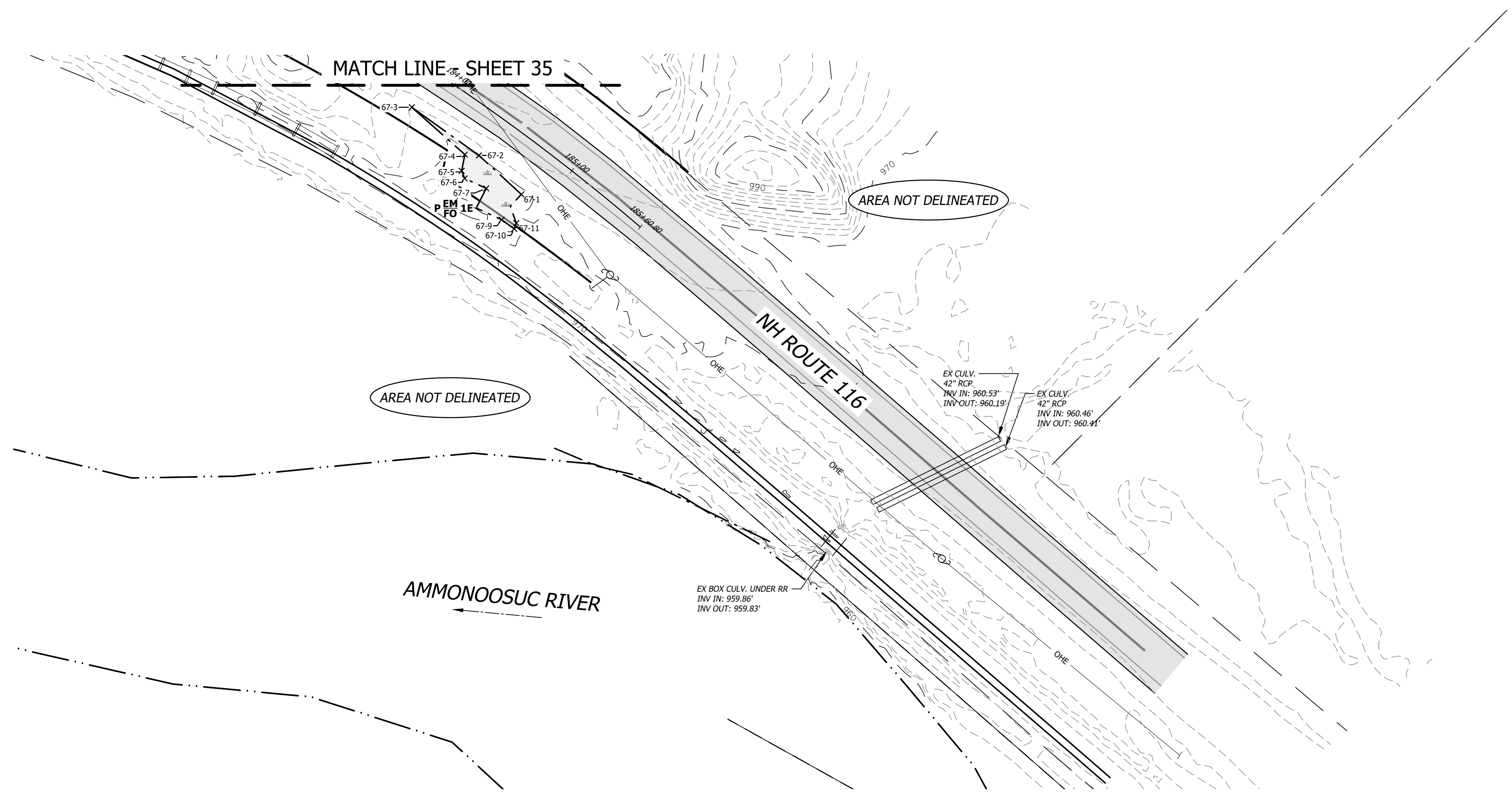












MATCH LINE - SHEET 35

NH ROUTE 116

AMMONOOSUC RIVER

AREA NOT DELINEATED

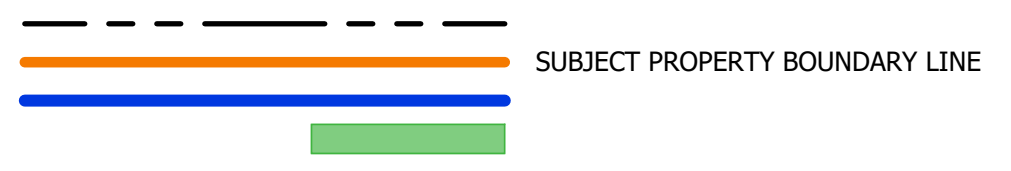
AREA NOT DELINEATED

EX CULV. 42" RCP  
INV IN: 960.53'  
INV OUT: 960.19'

EX CULV. 42" RCP  
INV IN: 960.46'  
INV OUT: 960.41'

EX BOX CULV. UNDER RR  
INV IN: 959.86'  
INV OUT: 959.83'

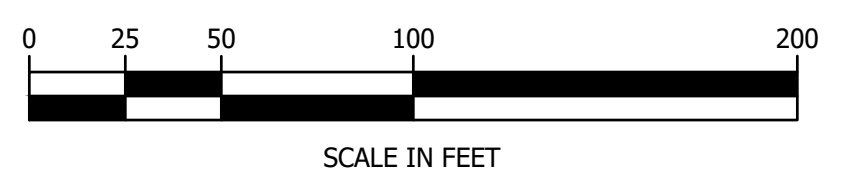
**LEGEND**



- OHW — ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- ← FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10') (NOT FLAGGED)
- APPROXIMATE LOCATIONS
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- X-X-X-X-X- BEAVER DAM
- UPLAND
- GROUNDWATER SEEP
- FLAG POINT AND ID # (STRING# & FLAG #)



DATE OF PRINT  
FEBRUARY 01 2024  
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GRANITE STATE LANDFILL, LLC  
DALTON, NEW HAMPSHIRE  
EXISTING WETLAND PLANS  
WETLAND MAPPING PLAN



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PROJECT #:	NO.	DATE	REVISION DESCRIPTION	ENG DWG
19045				
DATE:	JAN 2024			
SURVEYED BY:	HEI			
ENGINEERED BY:	BHK			
DRAWN BY:	SJB/BDD/KRP			
CHECKED BY:	ESP/BHK			

**Attachment 3**  
**Wetland Impact Plans**  
**(Bound Separately)**

# GRANITE STATE LANDFILL, LLC

## WETLAND IMPACT PLANS

DALTON, NEW HAMPSHIRE  
 NOVEMBER 2023 (REVISED JANUARY 2024)

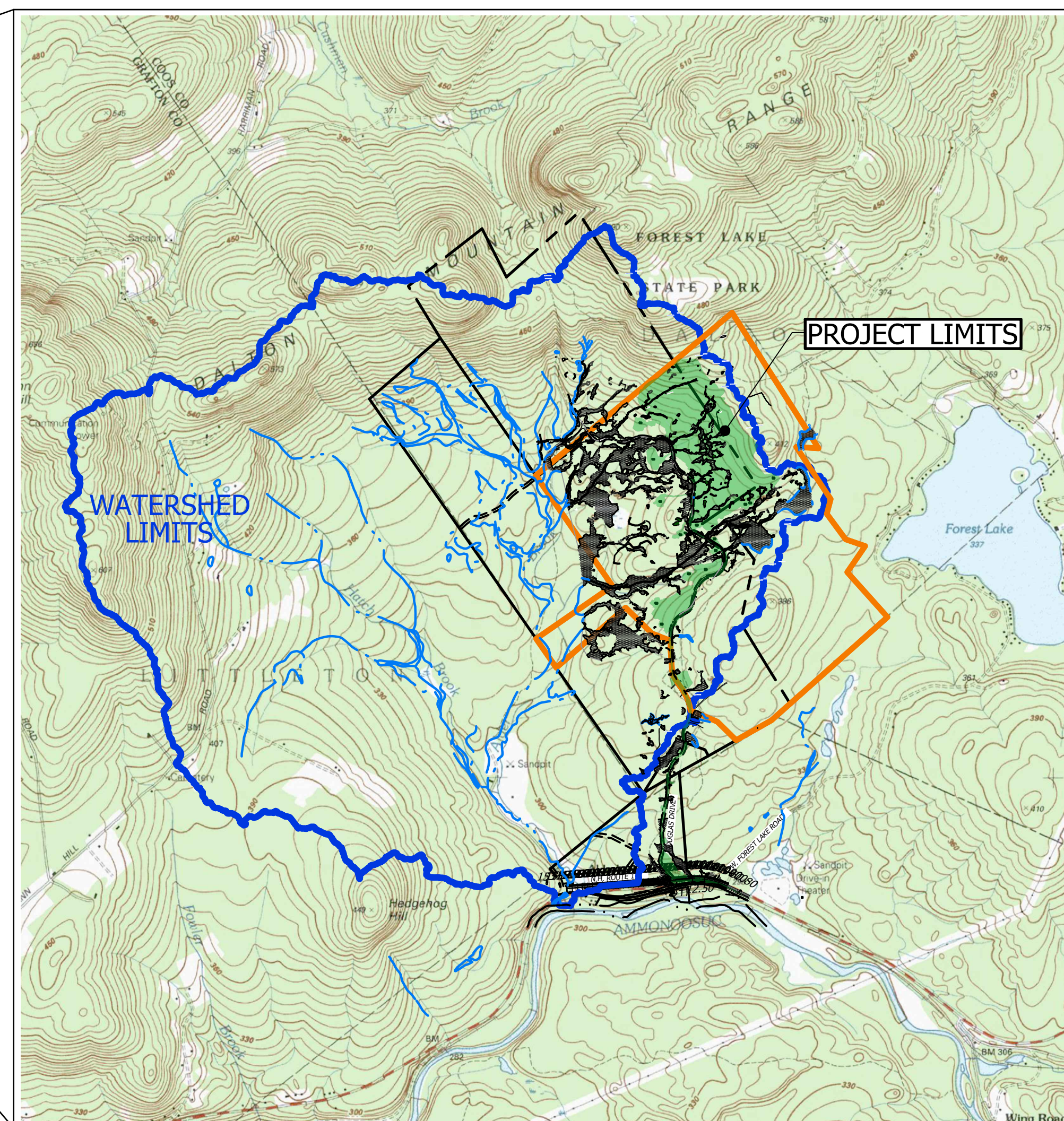
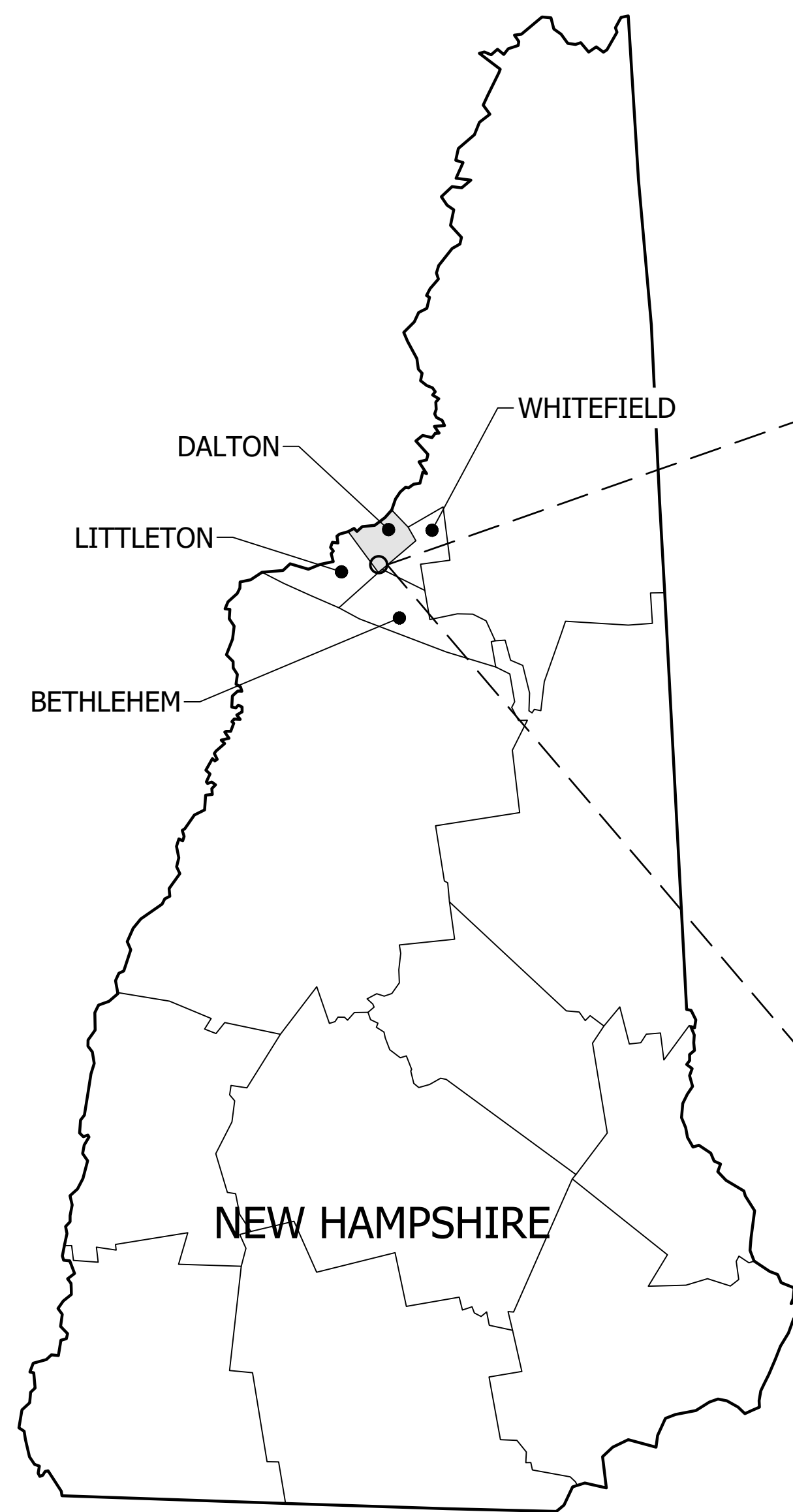
OWNER:  
 GRANITE STATE LANDFILL, LLC  
 1855 VT ROUTE 100  
 HYDE PARK, VT 05655  
 802.651.5454

DESIGN ENGINEER:  
 CMA ENGINEERS, INC.  
 PORTSMOUTH, NH 603.431.6196  
 MANCHESTER, NH 603.627.0708  
 PORTLAND, ME 207.541.4223

GEOTECHNICAL SUPPORT:  
 SANBORN, HEAD & ASSOCIATES, INC.  
 20 FOUNDRY STREET  
 CONCORD, NH 03301  
 603.229.1900

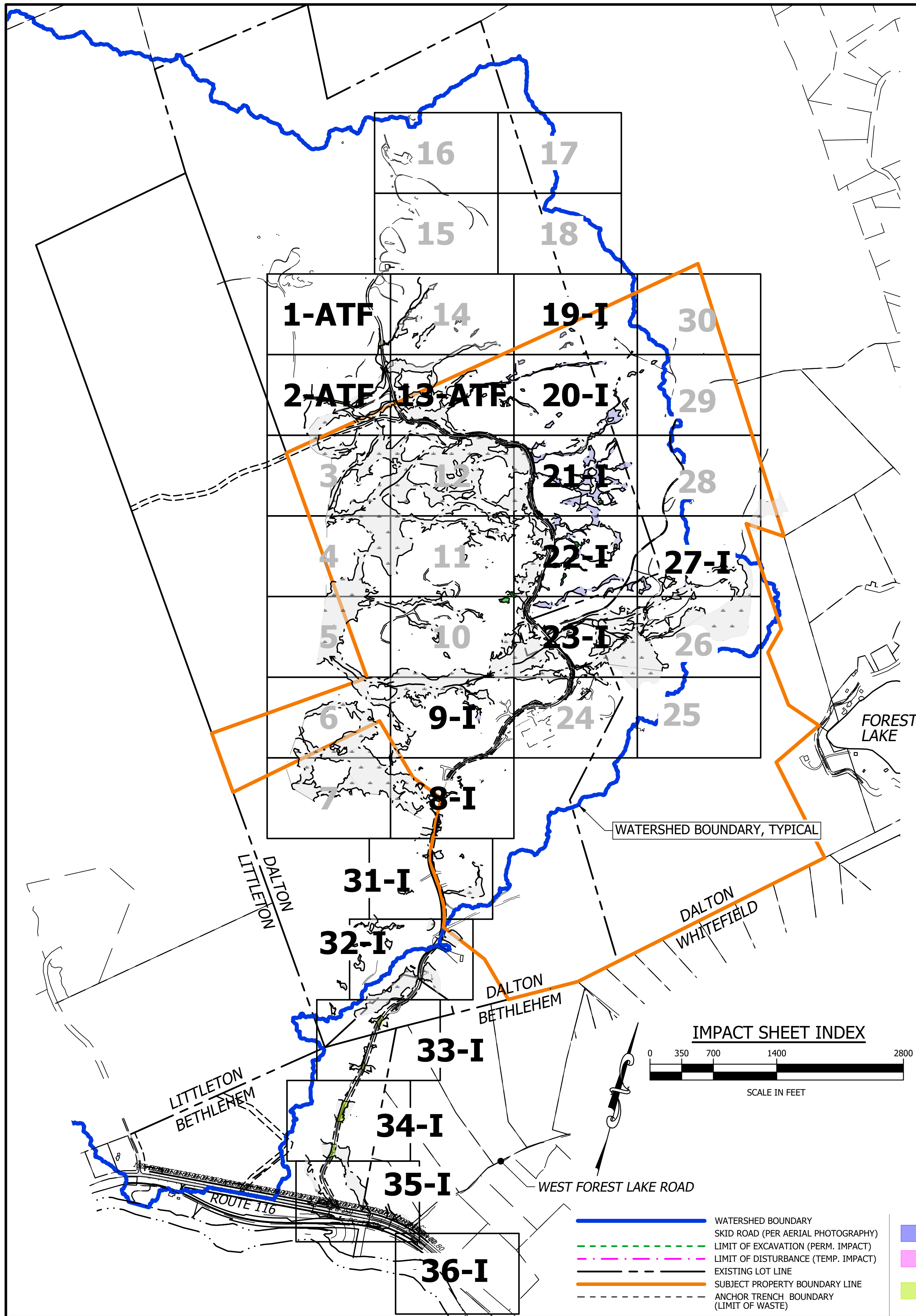
WETLAND SCIENTIST:  
 B.H.KEITH ASSOCIATES  
 11 ELM STREET  
 P.O. BOX 326  
 FREEDOM, NH 03836

SURVEYOR:  
 HORIZONS ENGINEERING, INC.  
 34 SCHOOL STREET  
 LITTLETON, NH 03561



**LOCATION PLAN**  
 SCALE: 1" = 2000'





### WETLAND NOTES

STATE AND FEDERAL JURISDICTIONAL WETLANDS WERE DELINEATED DURING MAY 2018 THROUGH JULY 2023 BY N.H. CERTIFIED WETLAND SCIENTIST, BARRY H. KEITH. WETLANDS MAPPING WAS DONE BY N.H. LICENSED LAND SURVEYORS, HORIZONS ENGINEERING, INC. USING GLOBAL POSITIONING SURVEY (GPS) METHODS AND IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:

- N.H. CODE OF ADMINISTRATIVE RULES (ENV-WT 406.01(a)) WITH THE TECHNIQUES OUTLINED IN THE 1987 "U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1."
- U.S. ARMY CORPS OF ENGINEERS. 2012. "REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (VERSION 2.0). U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY ERDC/EL TR-09-19."
- U.S. ARMY CORPS OF ENGINEERS. 2016. "NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: "NORTHCENTRAL AND NORTHEAST REGION (VERSION 3.3)", U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY."
- U.S. FISH AND WILDLIFE SERVICE MANUAL FWS/OBS-79/31 ENTITLED "CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, COWARDIN ET AL, 1979."
- U.S.G.S. FEDERAL GEOGRAPHIC DATA COMMITTEE, 2013, CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, WETLAND SUBCOMMITTEE, RESTON, VA.
- NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE. 2017. 4th ED., "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND." NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION, LOWELL, MA.
- U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE. 2010. "FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0." L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.), USDA, NRCS, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.

### SURVEY NOTES

THE WETLANDS FLAGS AS DELINEATED WERE FIELD SURVEYED BY REAL-TIME KINEMATIC GPS METHODS IN A BASE/ROVER CONFIGURATION WITH A BASE POSITION ESTABLISHED WITH THE ONLINE USER POSITIONING SERVICE, OR BY SUB-METER HANDHELD GPS METHODS USING A TRIMBLE GEOXH UNIT AND DIFFERENTIALLY CORRECTED WITH POST PROCESSING. ALL POSITIONS ARE BASED ON THE NEW HAMPSHIRE COORDINATE SYSTEM, NAD83 (GRID NORTH).

### DESIGN REFERENCE

ROAD, LANDFILL AND POND AREAS SHOWN ON THESE PLANS WERE DEVELOPED BY CMA ENGINEERS, INC. PLAN SET IS TITLED, "GRANITE STATE LANDFILL, LLC, GRANITE STATE LANDFILL, DALTON, NEW HAMPSHIRE, STANDARD DREDGE AND FILL WETLANDS PERMIT APPLICATION, SUBMITTED TO NHDES WETLANDS BUREAU - NOVEMBER 2023.

### WETLAND CLASSIFICATION LEGEND

SYSTEM, CLASS, SUBCLASS, WATER REGIME

- PFO1E - PALUSTRINE FORESTED BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED
  - PFO1/4E - PALUSTRINE FORESTED BROAD-LEAVED DECIDUOUS/NEEDLE-LEAVED EVERGREEN, SEASONALLY FLOODED/SATURATED
  - PFO4/1E - PALUSTRINE FORESTED NEEDLE-LEAVED EVERGREEN/BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED
  - PSS1E - PALUSTRINE SCRUB-SHRUB BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED
  - PSS/FO1E - PALUSTRINE SCRUB-SHRUB/FORESTED, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED
  - PSS/FO1/4E - PALUSTRINE SCRUB-SHRUB/FORESTED, BROAD-LEAVED DECIDUOUS/NEEDLE-LEAVED EVERGREEN, SEASONALLY FLOODED/SATURATED
  - PSS/FO4/1E - PALUSTRINE SCRUB-SHRUB/FORESTED, NEEDLE-LEAVED EVERGREEN/BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED
  - PSS1/FO5E - PALUSTRINE SCRUB-SHRUB, BROAD-LEAVED DECIDUOUS/FORESTED, DEAD, SEASONALLY FLOODED/SATURATED
  - PEM1E - PALUSTRINE PERSISTENT EMERGENT, SEASONALLY FLOODED/SATURATED
  - PEM/SS1E - PALUSTRINE PERSISTENT EMERGENT/SCRUB-SHRUB, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED
  - POW - PALUSTRINE OPEN WATER
  - R3UBH - RIVERINE UPPER PERENNIAL, UNCONSOLIDATED BOTTOM, PERMANENTLY FLOODED
  - R4UBJ - RIVERINE INTERMITTENT, UNCONSOLIDATED BOTTOM, INTERMITTENTLY FLOODED
  - U - UPLAND
- SPECIAL MODIFIERS**
- d - PARTIALLY DRAINED/DITCHED
  - h - DIKED/IMPOUNDED
  - r - ARTIFICIAL SUBSTRATE

### IMPACT(S) ON SHEET LEGEND

- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

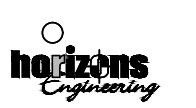
- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- X-X-X-X-X
- GW SEEP

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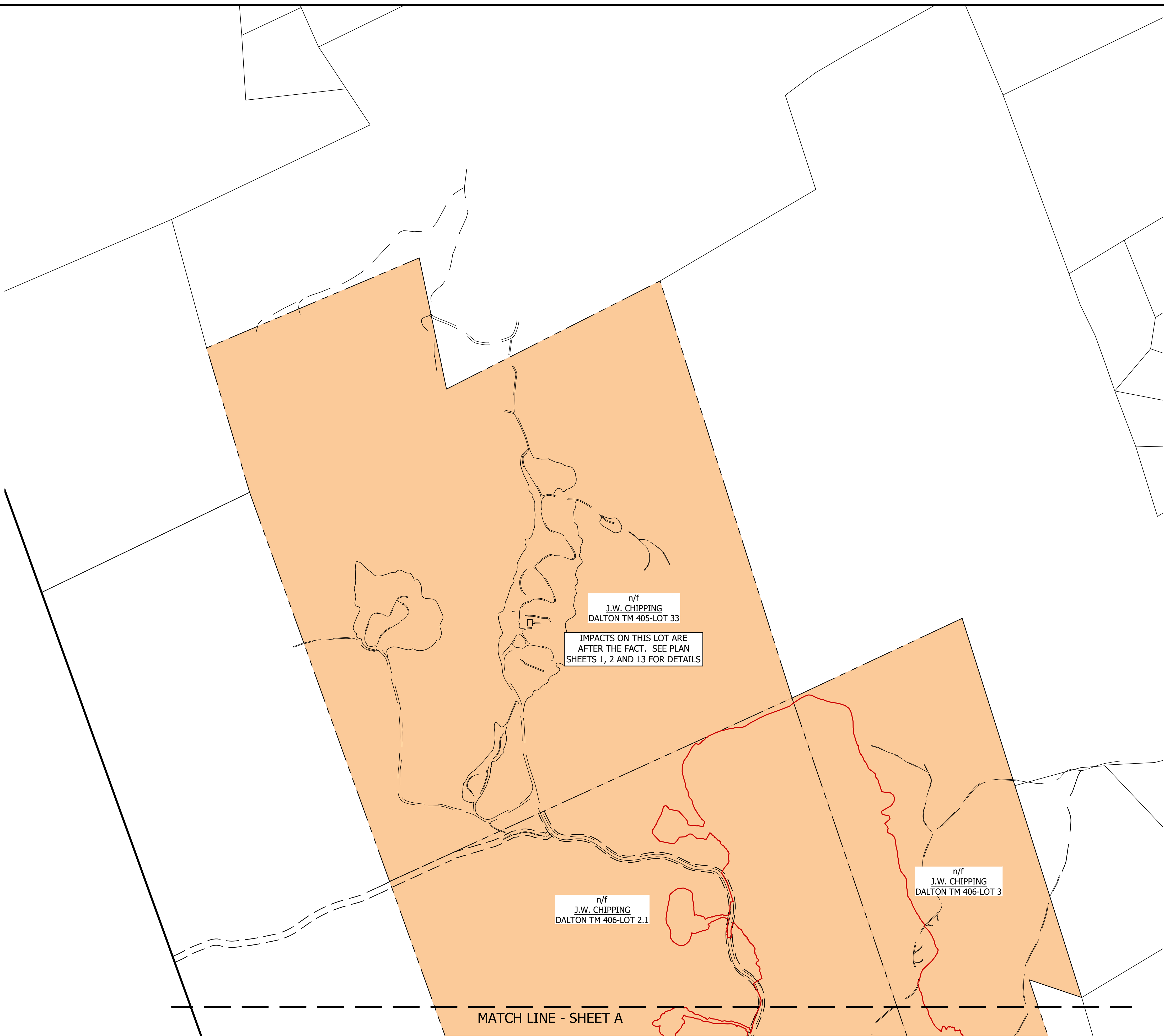


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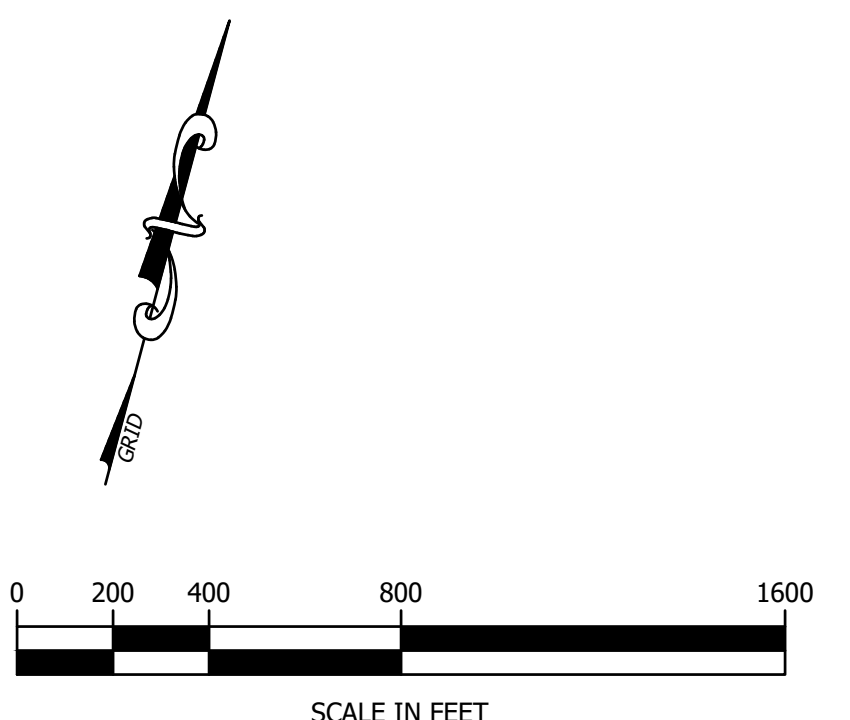
n/f  
J.W. CHIPPING  
DALTON TM 405-LOT 33

IMPACTS ON THIS LOT ARE  
AFTER THE FACT. SEE PLAN  
SHEETS 1, 2 AND 13 FOR DETAILS

n/f  
J.W. CHIPPING  
DALTON TM 406-LOT 2.1

n/f  
J.W. CHIPPING  
DALTON TM 406-LOT 3

MATCH LINE - SHEET A



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FEBRUARY 01 2024  
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PROJECT #	19045	NO.	DATE	REVISION DESCRIPTION	ENG	DWG
DATE:	JAN. 2024					
SURVEYED BY:	HEI					
ENGINEERED BY:	CMA					
DRAWN BY:	SJB/BDY/KRP					
CHECKED BY:	ESP/BHK					

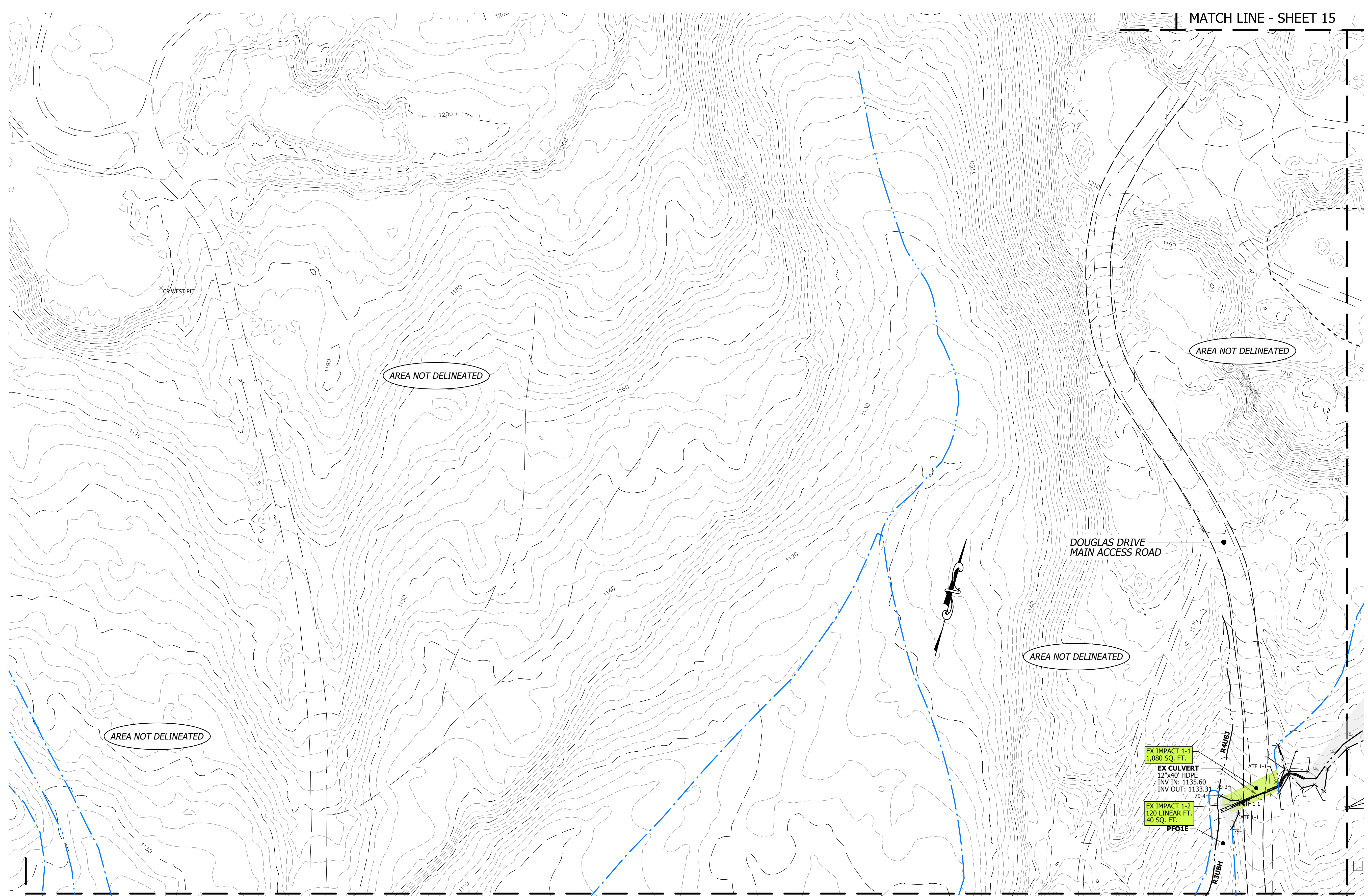
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GRANITE STATE LANDFILL, LLC  
DALTON, NEW HAMPSHIRE  
NHDES WETLAND APPLICATION  
JANUARY 2024  
PARCEL INFORMATION  
FOR LOTS WITH WETLAND IMPACTS

SUBJECT PARCELS  
SHEET B

MATCH LINE - SHEET 15

MATCH LINE - SHEET 2



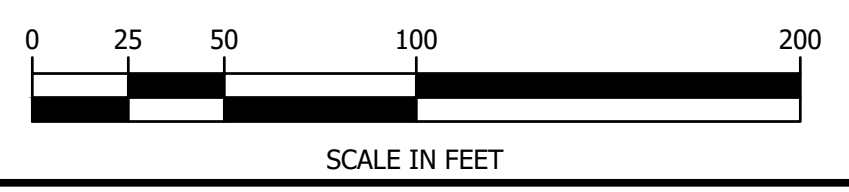
**LEGEND**

	WATERSHED BOUNDARY		PERMANENT WETLAND IMPACT
	SKID ROAD (PER AERIAL PHOTOGRAPHY)		TEMPORARY WETLAND IMPACT
	LIMIT OF EXCAVATION (PERM. IMPACT)		EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT
	LIMIT OF DISTURBANCE (TEMP. IMPACT)		
	EXISTING LOT LINE		
	SUBJECT PROPERTY BOUNDARY LINE		
	ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)		

	ORDINARY HIGH WATER MARK		WETLAND CLASSIFICATION
	PERENNIAL STREAM		PERENNIAL STREAM
	INTERMITTENT STREAM		INTERMITTENT STREAM
	EPHEMERAL FLOW		EPHEMERAL FLOW
	FLOW DIRECTION		
	WETLAND DELINEATION LINE		

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

	BEAVER DAM
	UPLAND
	MONITORING WELL
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING # & FLAG #)



Impact -No.	Impact Classification	Linear feet	Permanent (sq. ft)	Temporary (sq. ft.)
(design linework dated August 9, 2023)				
1-1	PFOIE		1,080	
1-2	R3UBH	120	40	
Total Existing (after the fact) Impacts			1,120	

FEBRUARY 01 2024

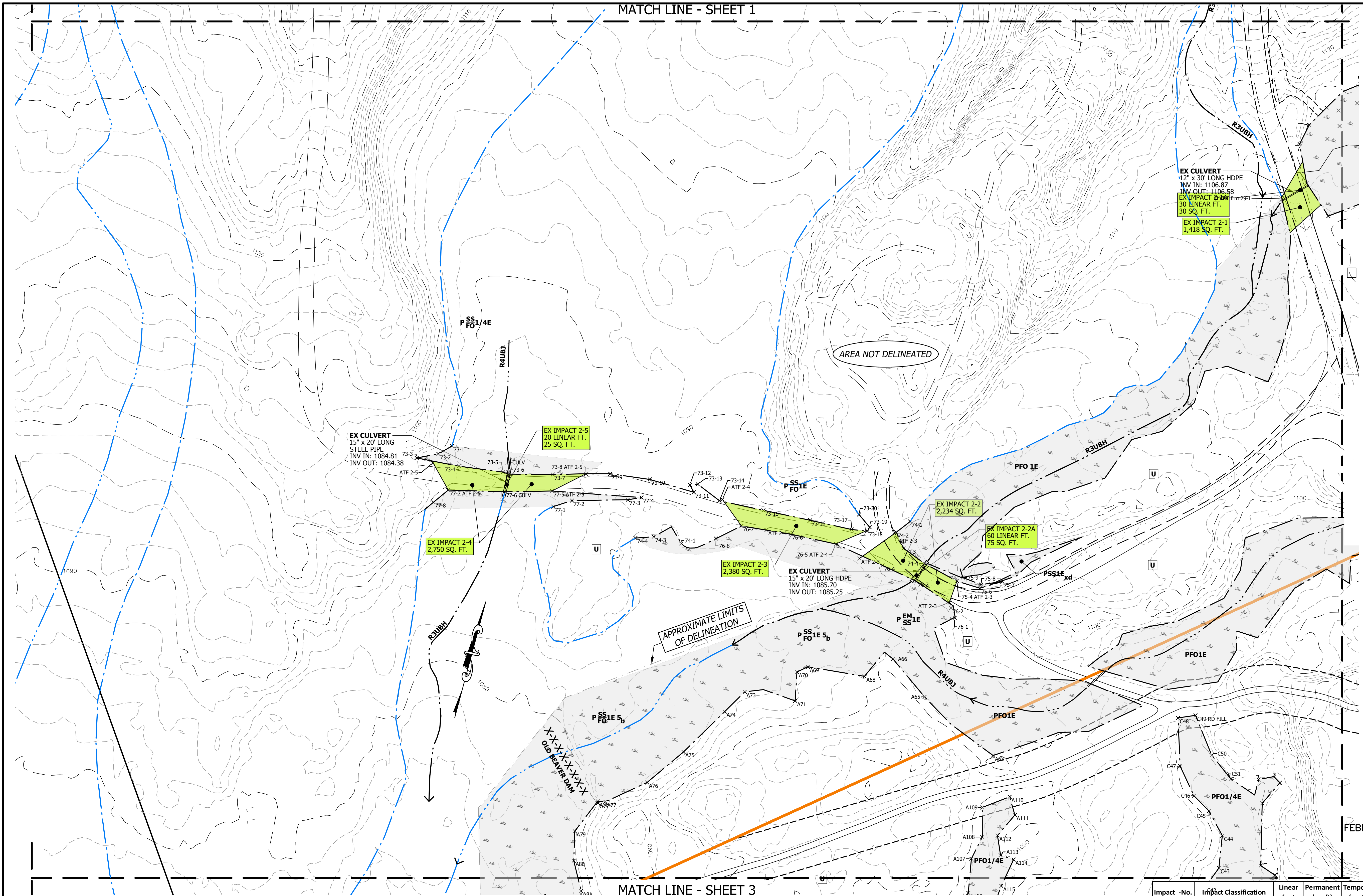


**horizons**  
Engineering

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MATCH LINE - SHEET 1

MATCH LINE - SHEET 3



AREA NOT DELINEATED

APPROXIMATE LIMITS OF DELINEATION

OLD BEAVER DAM

FEBRUARY 01 2024

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**LEGEND**

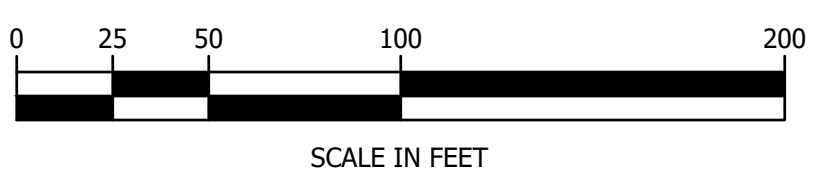
- WATERSHED BOUNDARY
- - - - - SKID ROAD (PER AERIAL PHOTOGRAPHY)
- - - - - LIMIT OF EXCAVATION (PERM. IMPACT)
- - - - - LIMIT OF DISTURBANCE (TEMP. IMPACT)
- - - - - EXISTING LOT LINE
- - - - - SUBJECT PROPERTY BOUNDARY LINE
- - - - - ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)

- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

- OHW ——— ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- PSS1E WETLAND CLASSIFICATION

- - - - - GRAVEL ROAD
- - - - - MINOR CONTOUR (2')
- - - - - MAJOR CONTOUR (10')
- - - - - APPROXIMATE LOCATIONS (NOT FLAGGED)
- - - - - WETLAND AREA
- - - - - PERENNIAL STREAM
- - - - - INTERMITTENT STREAM
- - - - - EPHEMERAL FLOW

- X-X-X-X-X BEAVER DAM
- U UPLAND
- GW SEEP MONITORING WELL
- 46-8-X FLAG POINT AND ID # (STRING # & FLAG #)
- AA-15X GROUNDWATER SEEP



Impact -No.	Impact Classification	Linear feet	Permanent (sq. ft)	Temporary (sq. ft.)
(design linework dated August 9, 2023)				
2 -1	PEM1E		1,418	
2 -1A	R4UBJ	30	30	
2 -2	PEM1E		2,234	
2 -2A	R3UBH	60	75	
2 -3	PFO1E		2,380	
2 -4	PSS/FO 1E		2,750	
2 -5	R4UBJ	20	25	
<b>Total Existing (after the fact) Impacts</b>			<b>110</b>	<b>8,912</b>

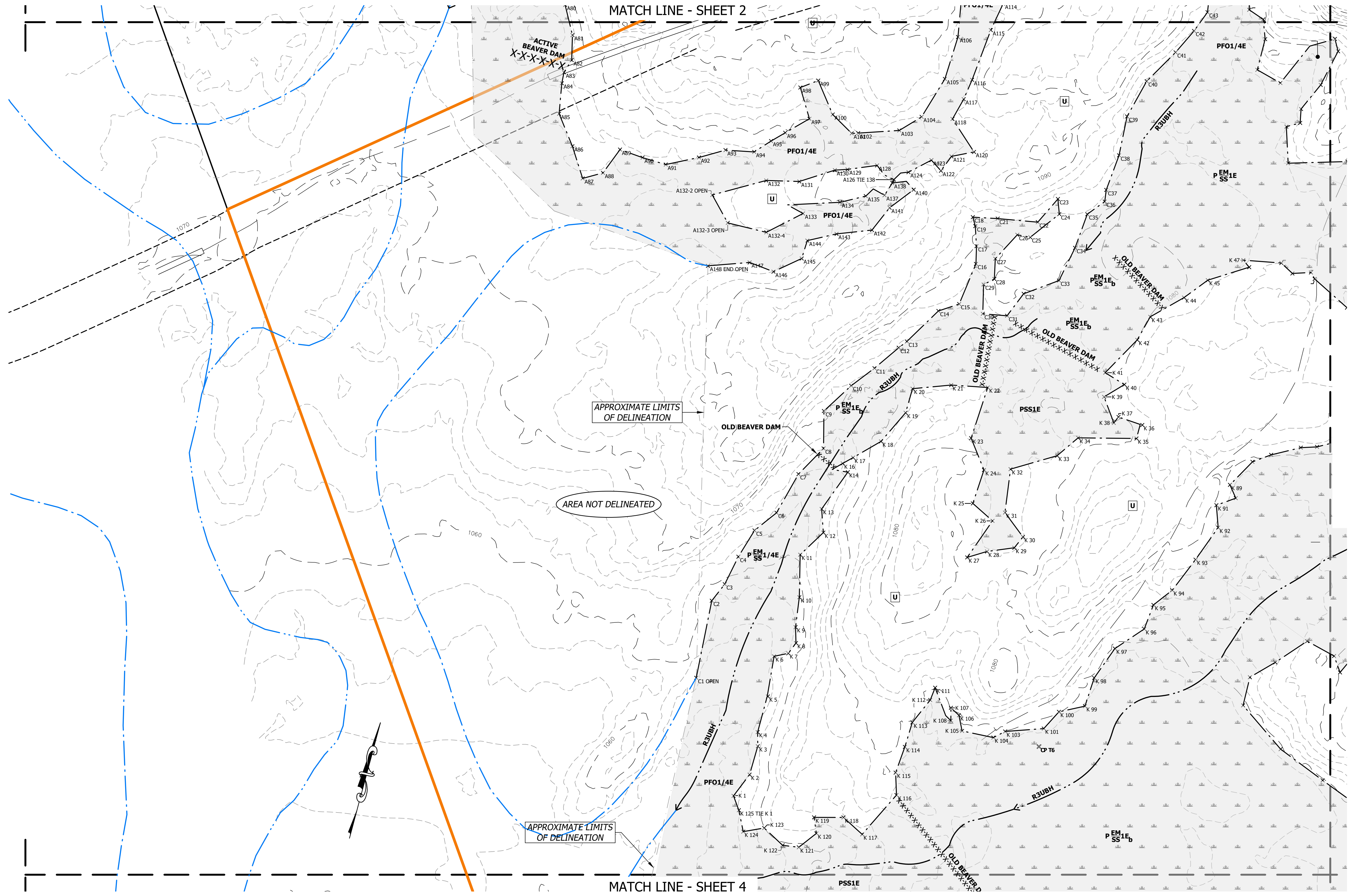


**horizons**  
Engineering



MATCH LINE - SHEET 2

MATCH LINE - SHEET 4

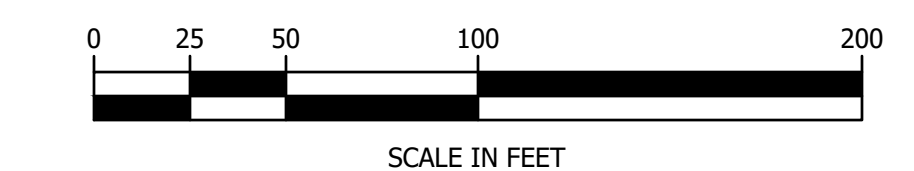


LEGEND	
	WATERSHED BOUNDARY
	SKID ROAD (PER AERIAL PHOTOGRAPHY)
	LIMIT OF EXCAVATION (PERM. IMPACT)
	LIMIT OF DISTURBANCE (TEMP. IMPACT)
	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)
	PERMANENT WETLAND IMPACT
	TEMPORARY WETLAND IMPACT
	EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

	OHW	ORDINARY HIGH WATER MARK
		PERENNIAL STREAM
		INTERMITTENT STREAM
		EPHEMERAL FLOW
		FLOW DIRECTION
		WETLAND DELINEATION LINE
		WETLAND CLASSIFICATION

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

	BEAVER DAM
	UPLAND
	MONITORING WELL
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



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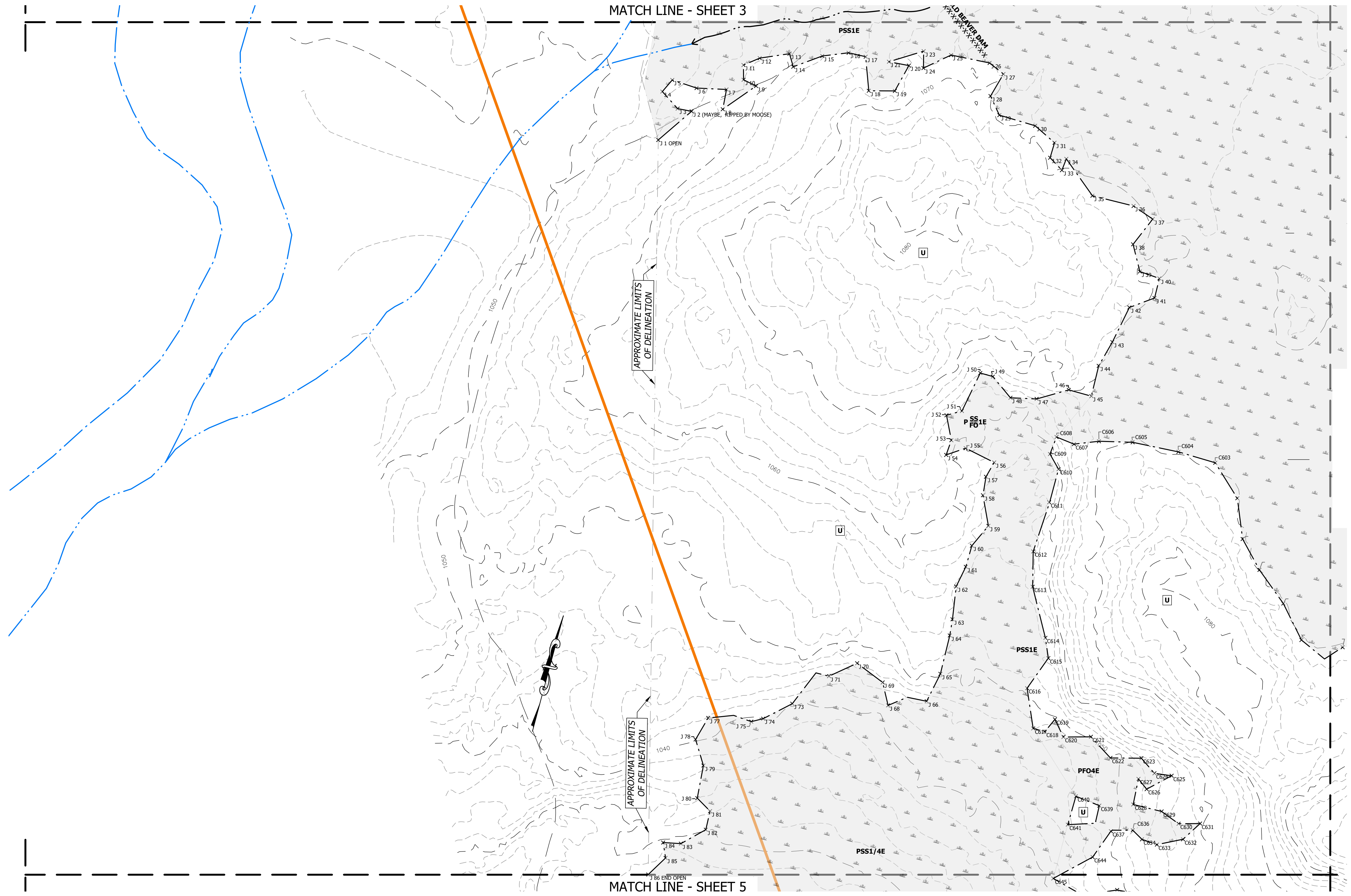


**horizons**  
Engineering

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MATCH LINE - SHEET 3

MATCH LINE - SHEET 5



APPROXIMATE LIMITS OF DELINEATION

APPROXIMATE LIMITS OF DELINEATION

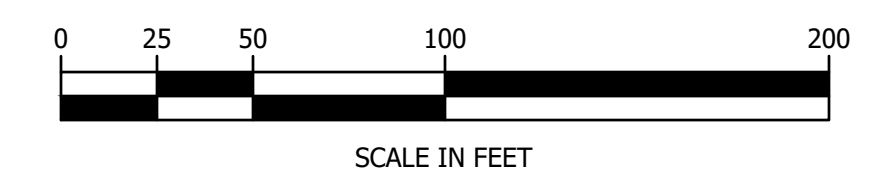
- WATERSHED BOUNDARY
- SKID ROAD (PER AERIAL PHOTOGRAPHY)
- LIMIT OF EXCAVATION (PERM. IMPACT)
- LIMIT OF DISTURBANCE (TEMP. IMPACT)
- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)

- LEGEND**
- PERMANENT WETLAND IMPACT
  - TEMPORARY WETLAND IMPACT
  - EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- BEAVER DAM
- UPLAND
- MONITORING WELL
- GROUNDWATER SEEP
- FLAG POINT AND ID # (STRING# & FLAG #)



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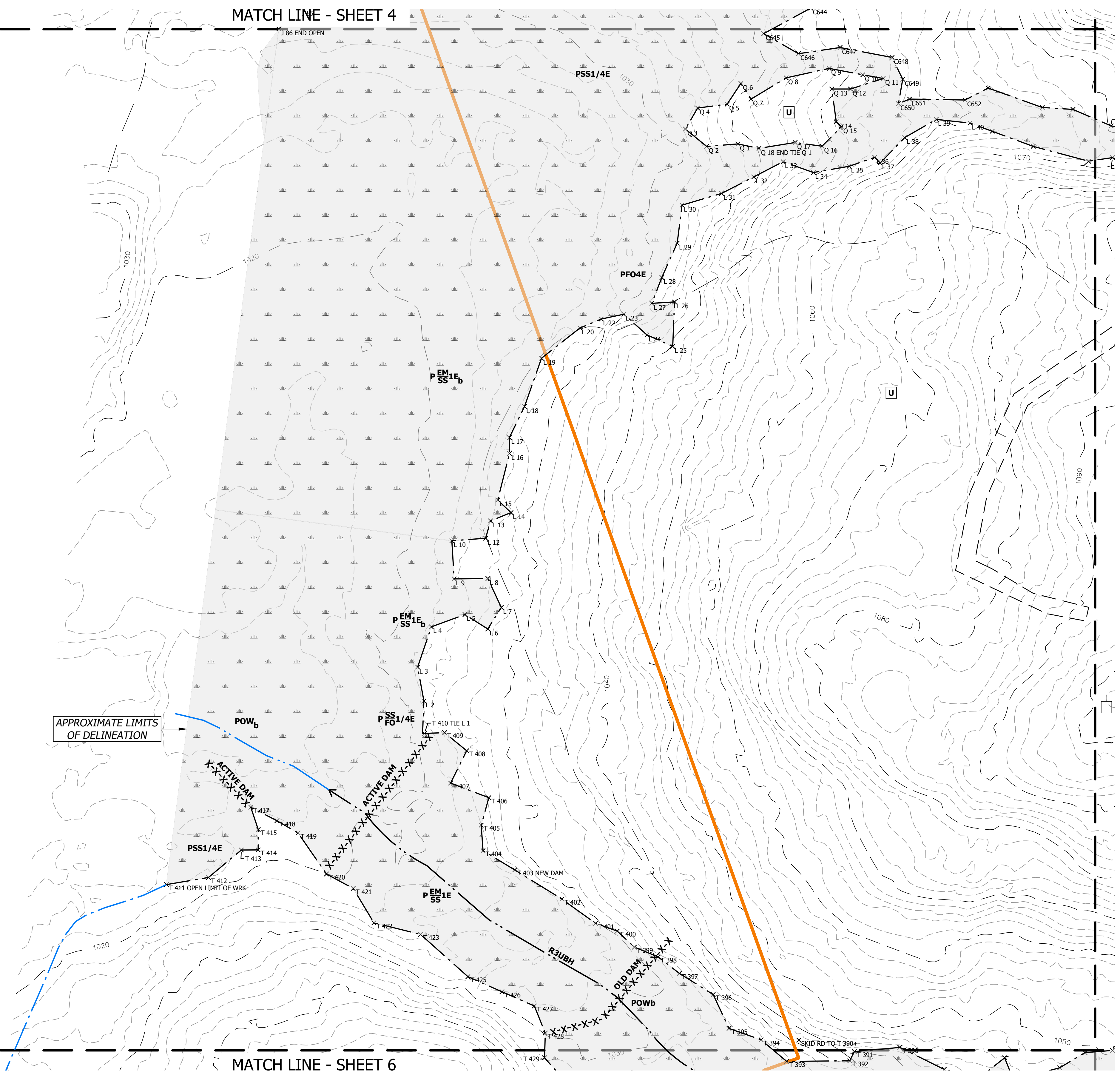


**horizons**  
Engineering

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MATCH LINE - SHEET 4

MATCH LINE - SHEET 6



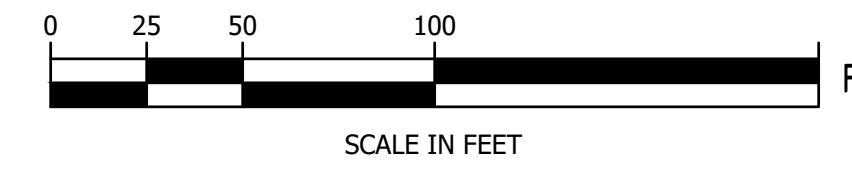
- WATERSHED BOUNDARY
- - - - SKID ROAD (PER AERIAL PHOTOGRAPHY)
- - - - LIMIT OF EXCAVATION (PERM. IMPACT)
- - - - LIMIT OF DISTURBANCE (TEMP. IMPACT)
- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- - - - ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)

- LEGEND**
- PERMANENT WETLAND IMPACT
  - TEMPORARY WETLAND IMPACT
  - EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

- OHW
- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW

- X-X-X-X-X-X BEAVER DAM
- U UPLAND MONITORING WELL
- GW SEEP GROUNDWATER SEEP
- 46-8-X FLAG POINT AND ID # (STRING# & FLAG #)
- AA-15X



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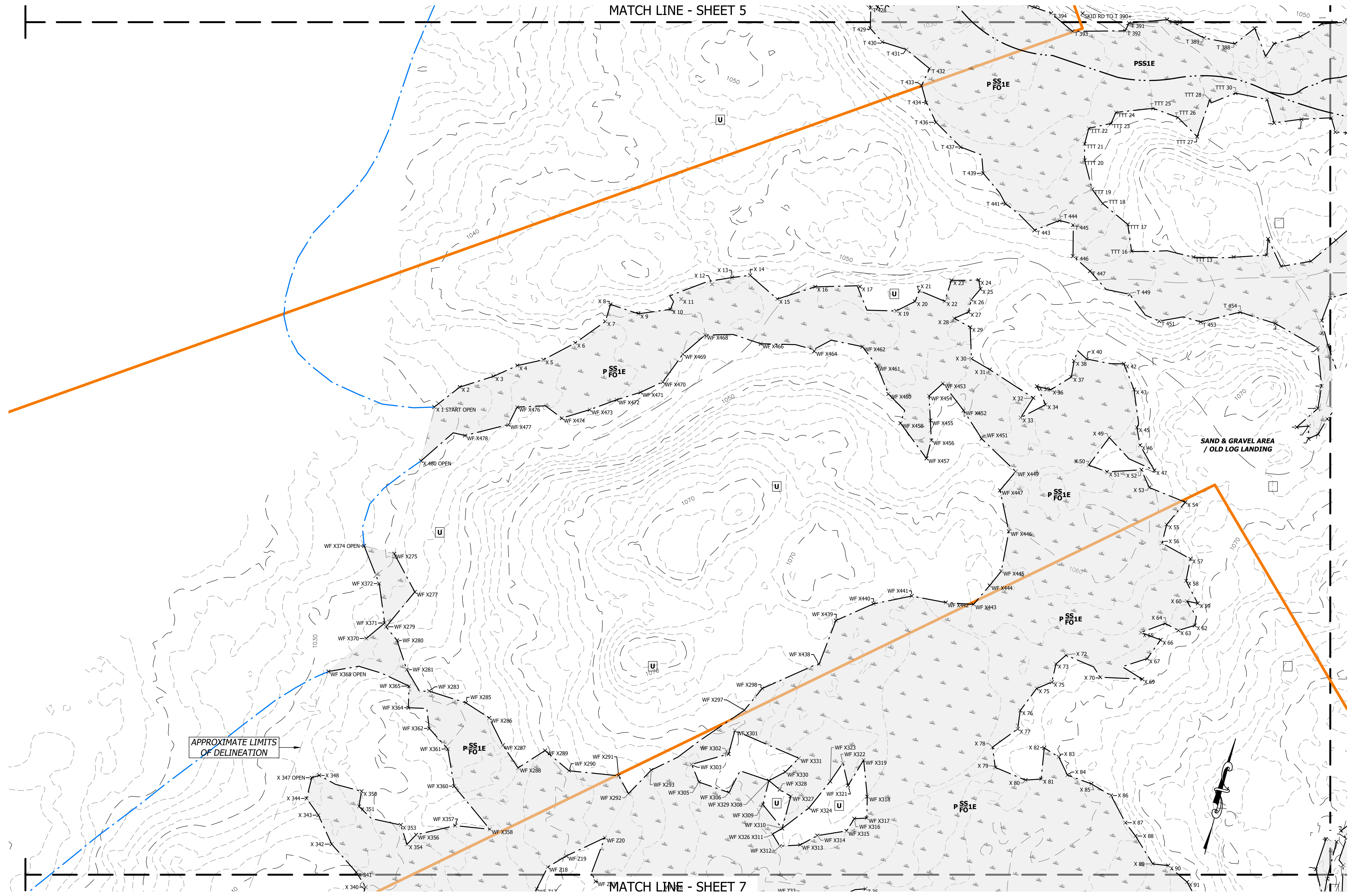
**horizons**  
Engineering

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MATCH LINE - SHEET 5

MATCH LINE - SHEET 7



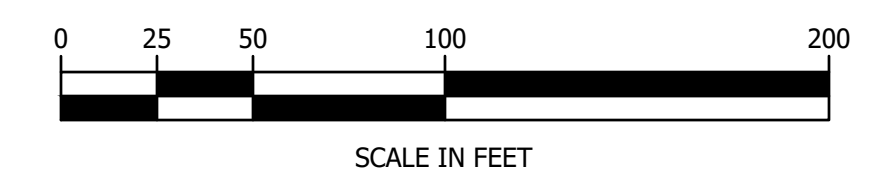
APPROXIMATE LIMITS OF DELINEATION

**LEGEND**

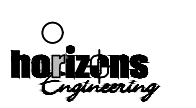
- WATERSHED BOUNDARY
- SKID ROAD (PER AERIAL PHOTOGRAPHY)
- LIMIT OF EXCAVATION (PERM. IMPACT)
- LIMIT OF DISTURBANCE (TEMP. IMPACT)
- EXISTING LOT LINE
- SUBJECT PROPERTY BOUNDARY LINE
- ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

- ORDINARY HIGH WATER MARK
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- FLOW DIRECTION
- WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION
- WETLAND CLASSIFICATION
- UPLAND
- MONITORING WELL
- GROUNDWATER SEEP
- FLAG POINT AND ID # (STRING# & FLAG #)

- GRAVEL ROAD
- MINOR CONTOUR (2')
- MAJOR CONTOUR (10')
- APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- PERENNIAL STREAM
- INTERMITTENT STREAM
- EPHEMERAL FLOW
- BEAVER DAM
- UPLAND
- MONITORING WELL
- GROUNDWATER SEEP
- FLAG POINT AND ID # (STRING# & FLAG #)



FEBRUARY 01 2024



**horizons**  
Engineering

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MATCH LINE - SHEET 6

X 89

X 90

X 91

X 92

X 93

X 94

X 95

X 96

X 97

X 98

1040

WF 218

WF 217

WF 216

WF 215

WF 214

WF 213

WF 212

WF 211

WF 210

WF 209

WF 208

WF 207

WF 206

WF 205

WF 204

WF 203

WF 202

WF 201

WF 200

WF 199

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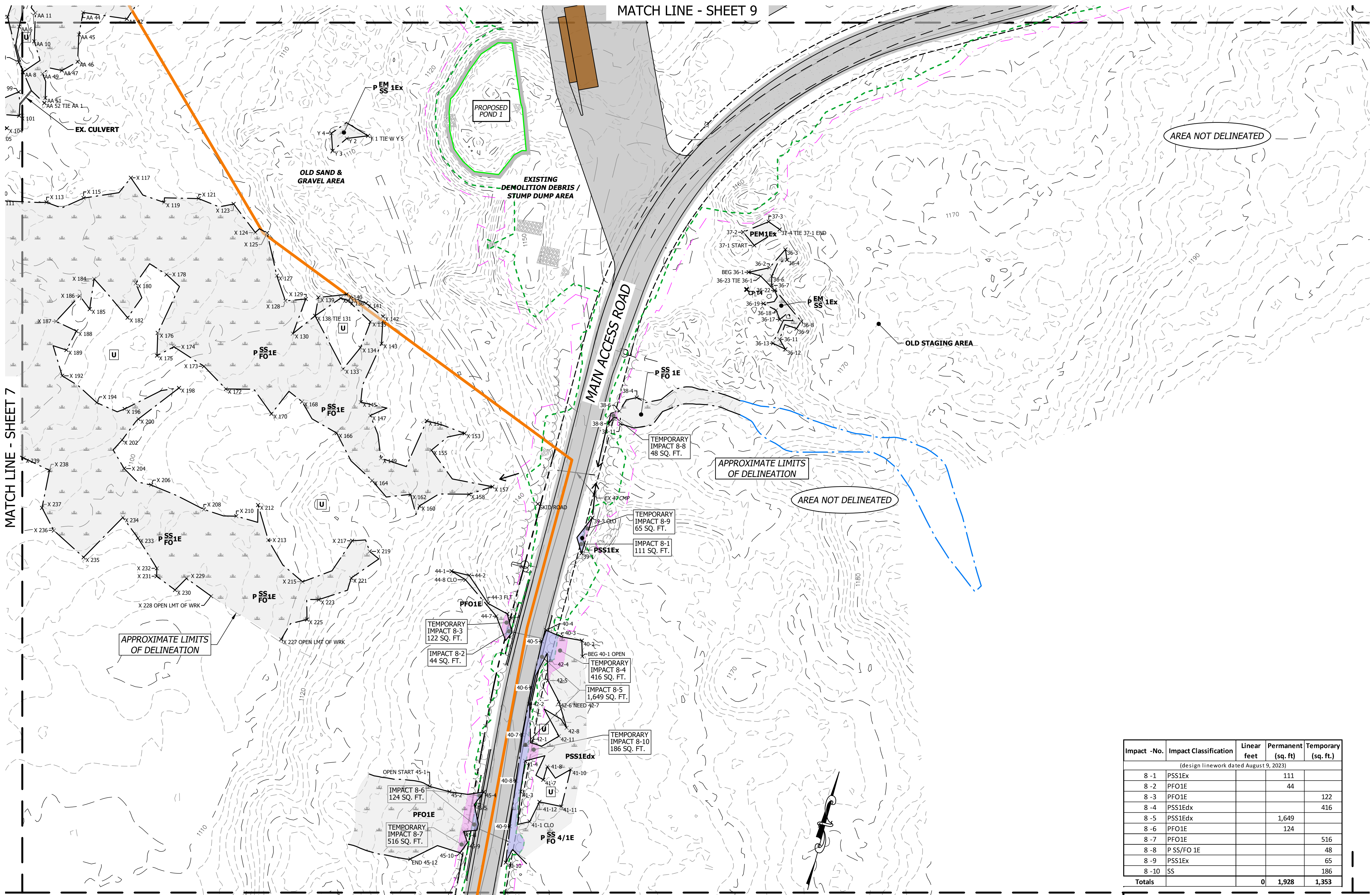
X 44

X 43

X 42

X 41

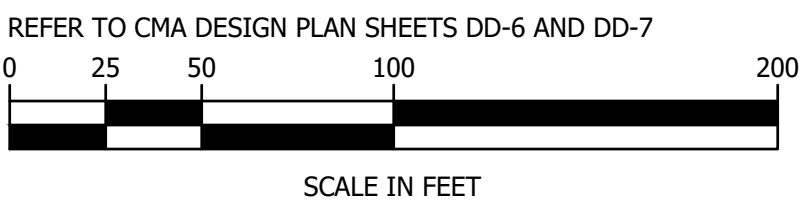
MATCH LINE - SHEET 9



Impact -No.	Impact Classification	Linear feet	Permanent (sq. ft)	Temporary (sq. ft.)
(design linework dated August 9, 2023)				
8-1	PSS1Ex		111	
8-2	PFO1E		44	
8-3	PFO1E			122
8-4	PSS1Edx			416
8-5	PSS1Edx		1,649	
8-6	PFO1E		124	
8-7	PFO1E			516
8-8	PSS/FO 1E			48
8-9	PSS1Ex			65
8-10	SS			186
<b>Totals</b>		<b>0</b>	<b>1,928</b>	<b>1,353</b>

**LEGEND**

- WATERSHED BOUNDARY
- - - - - SKID ROAD (PER AERIAL PHOTOGRAPHY)
- - - - - LIMIT OF EXCAVATION (PERM. IMPACT)
- - - - - LIMIT OF DISTURBANCE (TEMP. IMPACT)
- - - - - EXISTING LOT LINE
- - - - - SUBJECT PROPERTY BOUNDARY LINE
- - - - - ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT
- OHW ——— ORDINARY HIGH WATER MARK
- - - - - PERENNIAL STREAM
- - - - - INTERMITTENT STREAM
- - - - - EPHEMERAL FLOW
- - - - - WETLAND DELINEATION LINE
- P SS 1E WETLAND CLASSIFICATION
- - - - - GRAVEL ROAD
- - - - - MINOR CONTOUR (2')
- - - - - MAJOR CONTOUR (10')
- - - - - APPROXIMATE LOCATIONS (NOT FLAGGED)
- - - - - WETLAND AREA
- - - - - PERENNIAL STREAM
- - - - - INTERMITTENT STREAM
- - - - - EPHEMERAL FLOW
- X - X - X - X - X BEAVER DAM
- U UPLAND
- - - - - MONITORING WELL
- - - - - GROUNDWATER SEEP
- 46-8-X FLAG POINT AND ID # (STRING# & FLAG #)
- AA-15X



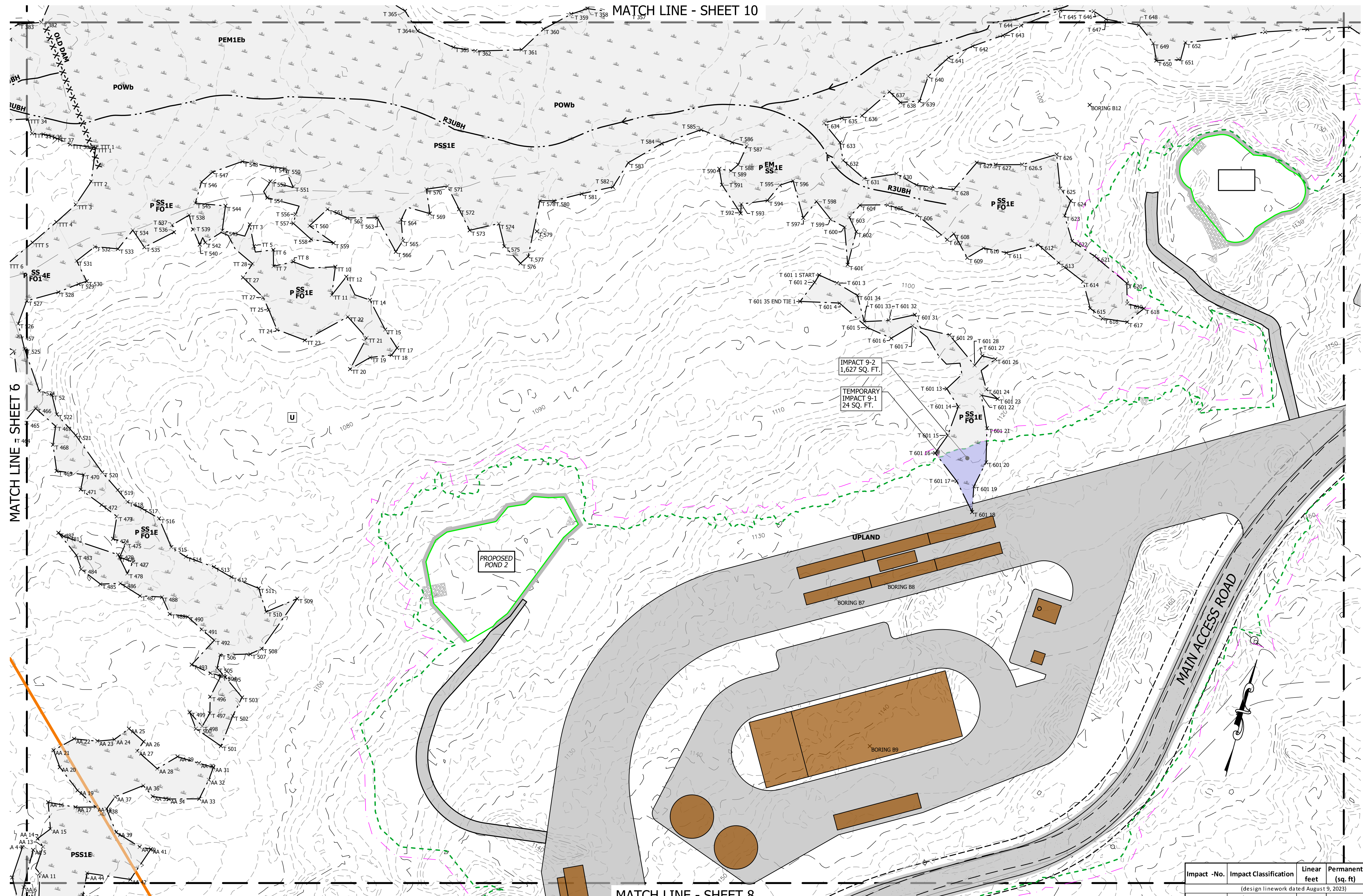
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**horizons**  
Engineering

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MATCH LINE - SHEET 10



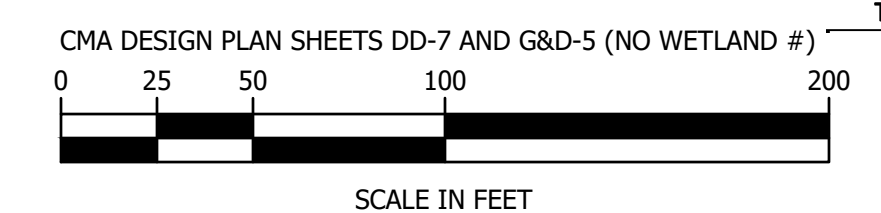
MATCH LINE - SHEET 8

- LEGEND**
- WATERSHED BOUNDARY
  - - - SKID ROAD (PER AERIAL PHOTOGRAPHY)
  - - - LIMIT OF EXCAVATION (PERM. IMPACT)
  - - - LIMIT OF DISTURBANCE (TEMP. IMPACT)
  - EXISTING LOT LINE
  - SUBJECT PROPERTY BOUNDARY LINE
  - - - ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)
  - PERMANENT WETLAND IMPACT
  - TEMPORARY WETLAND IMPACT
  - EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

- ORDINARY HIGH WATER MARK
- - - PERENNIAL STREAM
- · - · - INTERMITTENT STREAM
- · - · - EPHEMERAL FLOW
- FLOW DIRECTION
- - - WETLAND DELINEATION LINE
- WETLAND CLASSIFICATION

- - - GRAVEL ROAD
- · - · - MINOR CONTOUR (2')
- · - · - MAJOR CONTOUR (10')
- · - · - APPROXIMATE LOCATIONS (NOT FLAGGED)
- WETLAND AREA
- - - PERENNIAL STREAM
- · - · - INTERMITTENT STREAM
- · - · - EPHEMERAL FLOW

- X-X-X-X-X- BEAVER DAM
- U UPLAND
- MONITORING WELL
- GROUNDWATER SEEP
- 46-8-X FLAG POINT AND ID # (STRING# & FLAG #)
- AA-15X



Impact -No.	Impact Classification	Linear feet	Permanent (sq. ft)	Temporary (sq. ft.)
9-1	P SS/FO 1E			24
9-2	P SS/FO 1E		1,627	
<b>Totals</b>			<b>1,627</b>	<b>24</b>

(design linework dated August 9, 2023)

FEBRUARY 01 2024

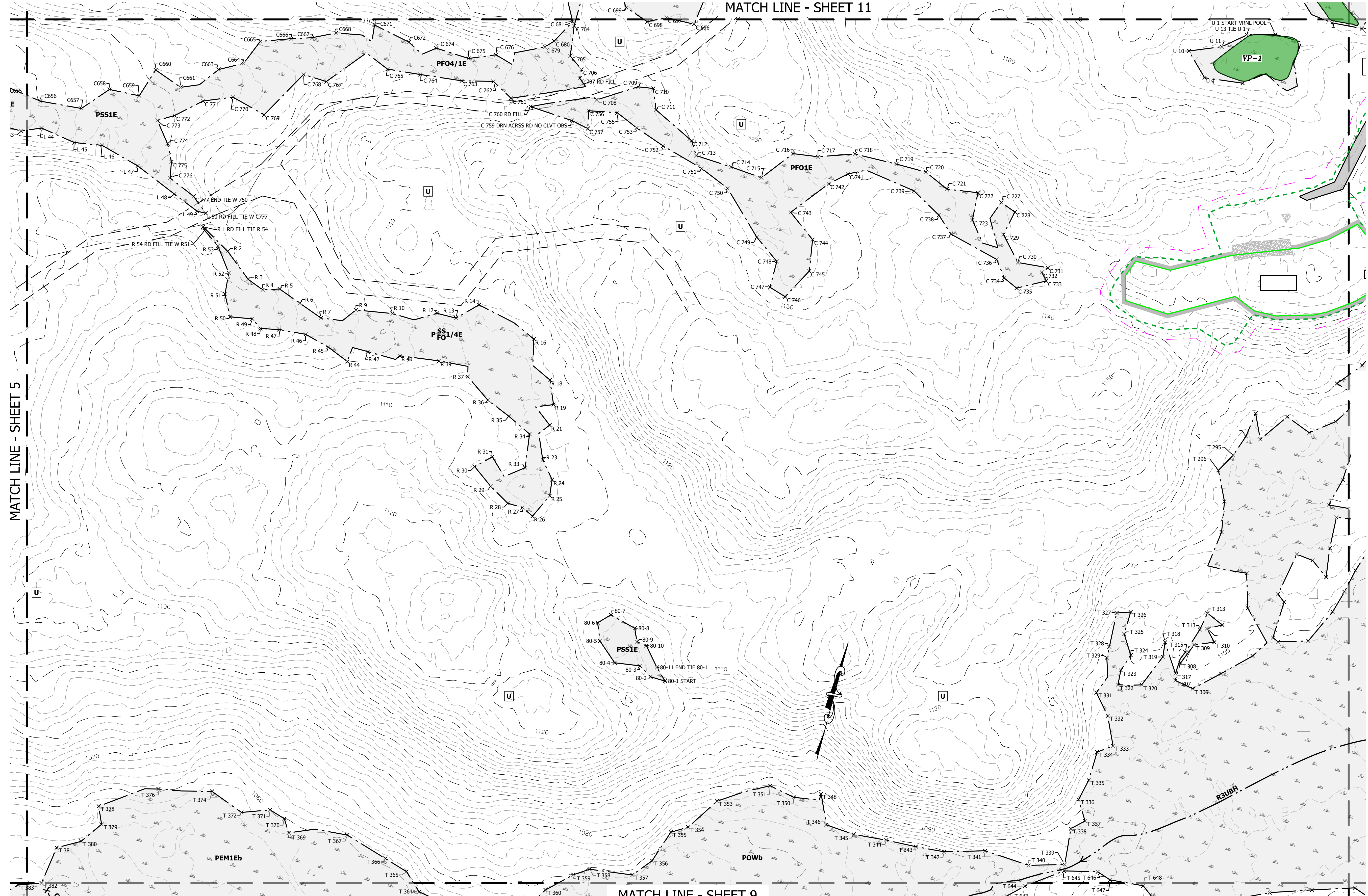


**horizons**  
Engineering

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MATCH LINE - SHEET 11

MATCH LINE - SHEET 5



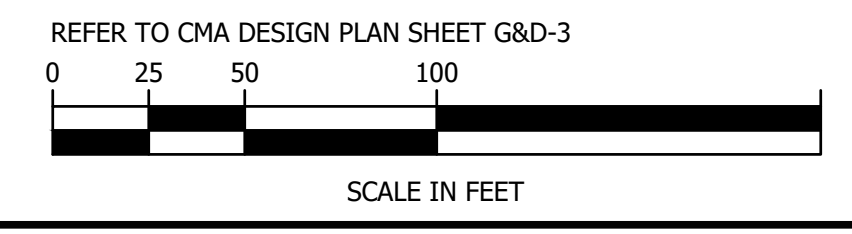
MATCH LINE - SHEET 9

LEGEND	
	WATERSHED BOUNDARY
	SKID ROAD (PER AERIAL PHOTOGRAPHY)
	LIMIT OF EXCAVATION (PERM. IMPACT)
	LIMIT OF DISTURBANCE (TEMP. IMPACT)
	EXISTING LOT LINE
	SUBJECT PROPERTY BOUNDARY LINE
	ANCHOR TRENCH BOUNDARY (LIMIT OF WASTE)
	PERMANENT WETLAND IMPACT
	TEMPORARY WETLAND IMPACT
	EXISTING WETLAND IMPACT FOR AFTER THE FACT PERMIT

	ORDINARY HIGH WATER MARK
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW
	FLOW DIRECTION
	WETLAND DELINEATION LINE
	WETLAND CLASSIFICATION

	GRAVEL ROAD
	MINOR CONTOUR (2')
	MAJOR CONTOUR (10')
	APPROXIMATE LOCATIONS (NOT FLAGGED)
	WETLAND AREA
	PERENNIAL STREAM
	INTERMITTENT STREAM
	EPHEMERAL FLOW

	BEAVER DAM
	UPLAND
	MONITORING WELL
	GROUNDWATER SEEP
	FLAG POINT AND ID # (STRING# & FLAG #)



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**horizons**  
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