

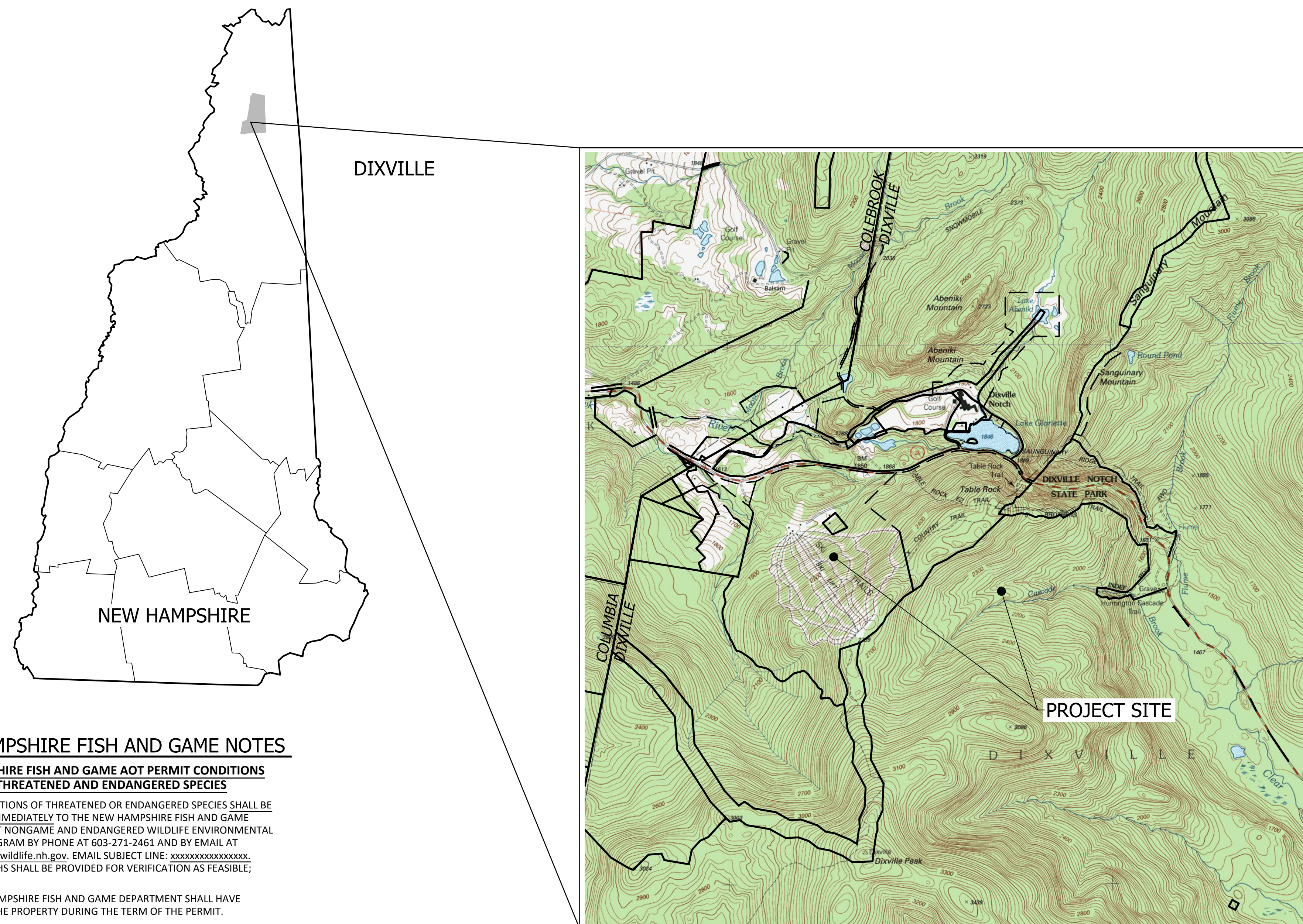
# DIXVILLE CAPITAL, LLC

## THE BALSAMS - SKI LIFTS AND TRAILS

### ALTERATION OF TERRAIN APPLICATION

DIXVILLE, NEW HAMPSHIRE

FEBRUARY 2023



OWNER:



DIXVILLE CAPITAL, LLC  
8 AIRPORT ROAD  
BETHEL, ME 04217

ENGINEER & SURVEYOR:



34 SCHOOL STREET  
LITTLETON, NH 03561  
(603) 444-4111

NEW HAMPSHIRE FISH AND GAME NOTES

NEW HAMPSHIRE FISH AND GAME AOT PERMIT CONDITIONS  
RELATED TO THREATENED AND ENDANGERED SPECIES

- ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED IMMEDIATELY TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT nhfreview@wildlife.nh.gov. EMAIL SUBJECT LINE: xxxxxxxxxxxxxxxxxx. PHOTOGRAPHS SHALL BE PROVIDED FOR VERIFICATION AS FEASIBLE; AND
- THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.
- ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, EXCEPT FOR SILT FENCE INSTALLED IN ACCORDANCE WITH ENV-WQ 1506.04, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHALL NOT CONTAIN WELDED PLASTIC, PLASTIC, OR MULTI-FILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH.

LOCATION PLAN

SCALE: 1" = 2000'

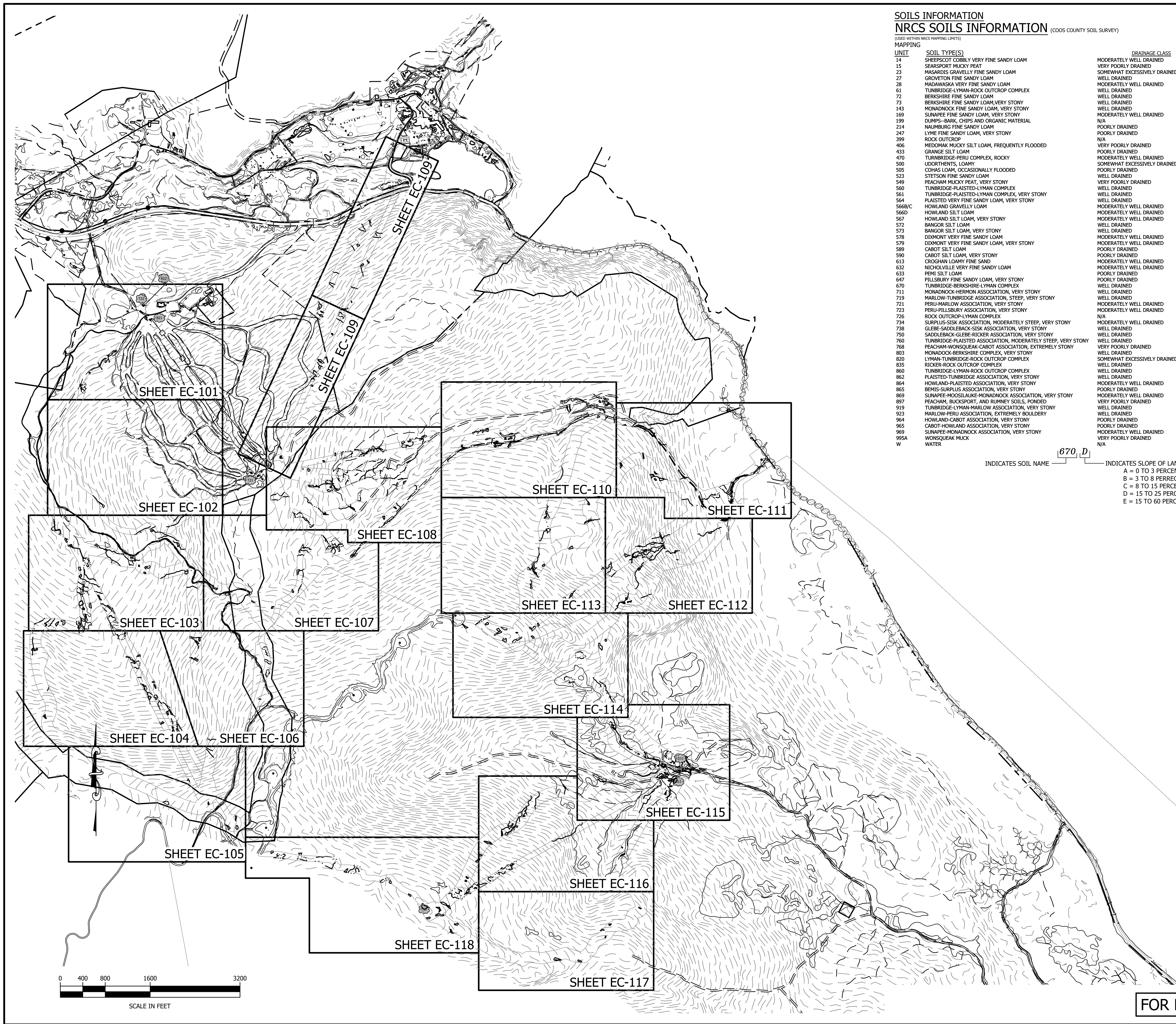
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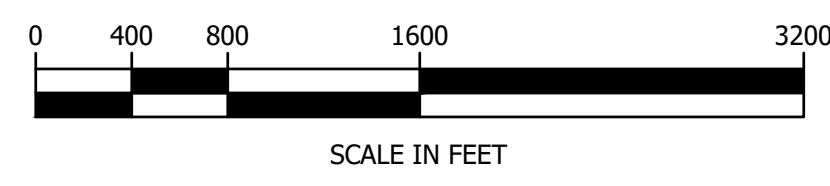


**SOILS INFORMATION**  
**NRCS SOILS INFORMATION** (COOS COUNTY SOIL SURVEY)

(USED WITHIN NRCS MAPPING LIMITS)

UNIT	SOIL TYPE(S)	DRAINAGE CLASS	HS#
14	SHEEPSOOT COBBLY VERY FINE SANDY LOAM	MODERATELY WELL DRAINED	B
15	SEARSPORT MUCKY PEAT	VERY POORLY DRAINED	A/D
23	MASARDIS GRAVELLY FINE SANDY LOAM	SOMEWHAT EXCESSIVELY DRAINED	A
27	GROVETON FINE SANDY LOAM	WELL DRAINED	B
28	MADAWASKA VERY FINE SANDY LOAM	MODERATELY WELL DRAINED	C
61	TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX	WELL DRAINED	B
72	BERKSHIRE FINE SANDY LOAM	WELL DRAINED	B
73	BERKSHIRE FINE SANDY LOAM, VERY STONY	WELL DRAINED	B
143	MONADNOCK FINE SANDY LOAM, VERY STONY	WELL DRAINED	B
169	SUNAPEE FINE SANDY LOAM, VERY STONY	MODERATELY WELL DRAINED	C
199	DUMPS-BARK, CHIPS AND ORGANIC MATERIAL	N/A	
214	NAUMBURG FINE SANDY LOAM	POORLY DRAINED	A/D
247	LYME FINE SANDY LOAM, VERY STONY	POORLY DRAINED	B/D
399	ROCK OUTCROP	N/A	
406	MEDOMAK MUCKY SILT LOAM, FREQUENTLY FLOODED	VERY POORLY DRAINED	B/D
433	GRANGE SILT LOAM	POORLY DRAINED	B/D
470	TUNBRIDGE-PERU COMPLEX, ROCKY	MODERATELY WELL DRAINED	C/D
500	UDORTHERTS, LOAMY	SOMEWHAT EXCESSIVELY DRAINED	B
505	COHAS LOAM, OCCASIONALLY FLOODED	POORLY DRAINED	B/D
523	STETSON FINE SANDY LOAM	WELL DRAINED	B/D
549	PEACHAM MUCKY PEAT, VERY STONY	VERY POORLY DRAINED	D
560	TUNBRIDGE-PLAISTED-LYMAN COMPLEX	WELL DRAINED	C
561	TUNBRIDGE-PLAISTED-LYMAN COMPLEX, VERY STONY	WELL DRAINED	B
564	PLAISTED VERY FINE SANDY LOAM, VERY STONY	WELL DRAINED	C
566B/C	HOWLAND GRAVELLY LOAM	MODERATELY WELL DRAINED	C/D
566D	HOWLAND SILT LOAM	MODERATELY WELL DRAINED	C/D
567	HOWLAND SILT LOAM, VERY STONY	MODERATELY WELL DRAINED	C/D
572	BANGOR SILT LOAM	WELL DRAINED	B
573	BANGOR SILT LOAM, VERY STONY	WELL DRAINED	B
578	DIXMONT VERY FINE SANDY LOAM	MODERATELY WELL DRAINED	B/D
579	DIXMONT VERY FINE SANDY LOAM, VERY STONY	MODERATELY WELL DRAINED	B/D
589	CABOT SILT LOAM	POORLY DRAINED	D
590	CABOT SILT LOAM, VERY STONY	POORLY DRAINED	D
613	CROGHAN LOAMY FINE SAND	MODERATELY WELL DRAINED	A
632	NICHOLVILLE VERY FINE SANDY LOAM	MODERATELY WELL DRAINED	C/D
633	PEMI SILT LOAM	POORLY DRAINED	C/D
647	PILLSBURY FINE SANDY LOAM, VERY STONY	POORLY DRAINED	D
670	TUNBRIDGE-BERKSHIRE-LYMAN COMPLEX	WELL DRAINED	B
711	MONADNOCK-HERMON ASSOCIATION, VERY STONY	WELL DRAINED	B
719	MARLOW-TUNBRIDGE ASSOCIATION, STEEP, VERY STONY	WELL DRAINED	D
721	PERU-MARLOW ASSOCIATION, VERY STONY	MODERATELY WELL DRAINED	C/D
723	PERU-PILLSBURY ASSOCIATION, VERY STONY	MODERATELY WELL DRAINED	C/D
726	ROCK OUTCROP-LYMAN COMPLEX	N/A	
734	SURPLUS-SISK ASSOCIATION, MODERATELY STEEP, VERY STONY	MODERATELY WELL DRAINED	C/D
738	GLEBE-SADDLEBACK-SISK ASSOCIATION, VERY STONY	WELL DRAINED	B
750	SADDLEBACK-GLEBE-RICKER ASSOCIATION, VERY STONY	WELL DRAINED	D
760	TUNBRIDGE-PLAISTED ASSOCIATION, MODERATELY STEEP, VERY STONY	WELL DRAINED	B
768	PEACHAM-WONSQUEAK-CABOT ASSOCIATION, EXTREMELY STONY	VERY POORLY DRAINED	D
803	MONADNOCK-BERKSHIRE COMPLEX, VERY STONY	WELL DRAINED	B
820	LYMAN-TUNBRIDGE-ROCK OUTCROP COMPLEX	SOMEWHAT EXCESSIVELY DRAINED	D
835	RICKER-ROCK OUTCROP COMPLEX	WELL DRAINED	D
860	TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX	WELL DRAINED	B
862	PLAISTED-TUNBRIDGE ASSOCIATION, VERY STONY	WELL DRAINED	C
864	HOWLAND-PLAISTED ASSOCIATION, VERY STONY	MODERATELY WELL DRAINED	C/D
865	BEMIS-SURPLUS ASSOCIATION, VERY STONY	POORLY DRAINED	D/D
869	SUNAPEE-MOOSILAURE-MONADNOCK ASSOCIATION, VERY STONY	MODERATELY WELL DRAINED	D
897	PEACHAM, BUCKSPORT, AND RIMNEY SOILS, PONDED	VERY POORLY DRAINED	C/D
919	TUNBRIDGE-LYMAN-MARLOW ASSOCIATION, VERY STONY	WELL DRAINED	C
923	MARLOW-PERU ASSOCIATION, EXTREMELY BOULDERY	WELL DRAINED	C/C
964	HOWLAND-CABOT ASSOCIATION, VERY STONY	POORLY DRAINED	C
965	CABOT-HOWLAND ASSOCIATION, VERY STONY	POORLY DRAINED	C
969	SUNAPEE-MONADNOCK ASSOCIATION, VERY STONY	MODERATELY WELL DRAINED	C
995A	WONSQUEAK MUCK	VERY POORLY DRAINED	B/D
W	WATER	N/A	

INDICATES SOIL NAME **670 D** INDICATES SLOPE OF LAND  
 A = 0 TO 3 PERCENT SLOPE  
 B = 3 TO 8 PERCENT SLOPE  
 C = 8 TO 15 PERCENT SLOPE  
 D = 15 TO 25 PERCENT SLOPE  
 E = 15 TO 60 PERCENT SLOPE



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PROJECT #: 17056 / 220115  
 DATE: JAN 2023  
 MAP LOT (OR ARCHIVE)  
 SURVEYED BY: HEI  
 ENGINEERED BY: NORM-BG  
 DRAWN BY: KRP/SJB  
 CHECKED BY: NORM-AWM

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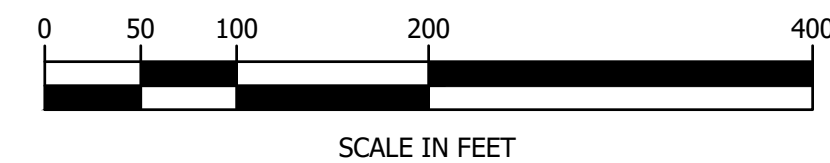
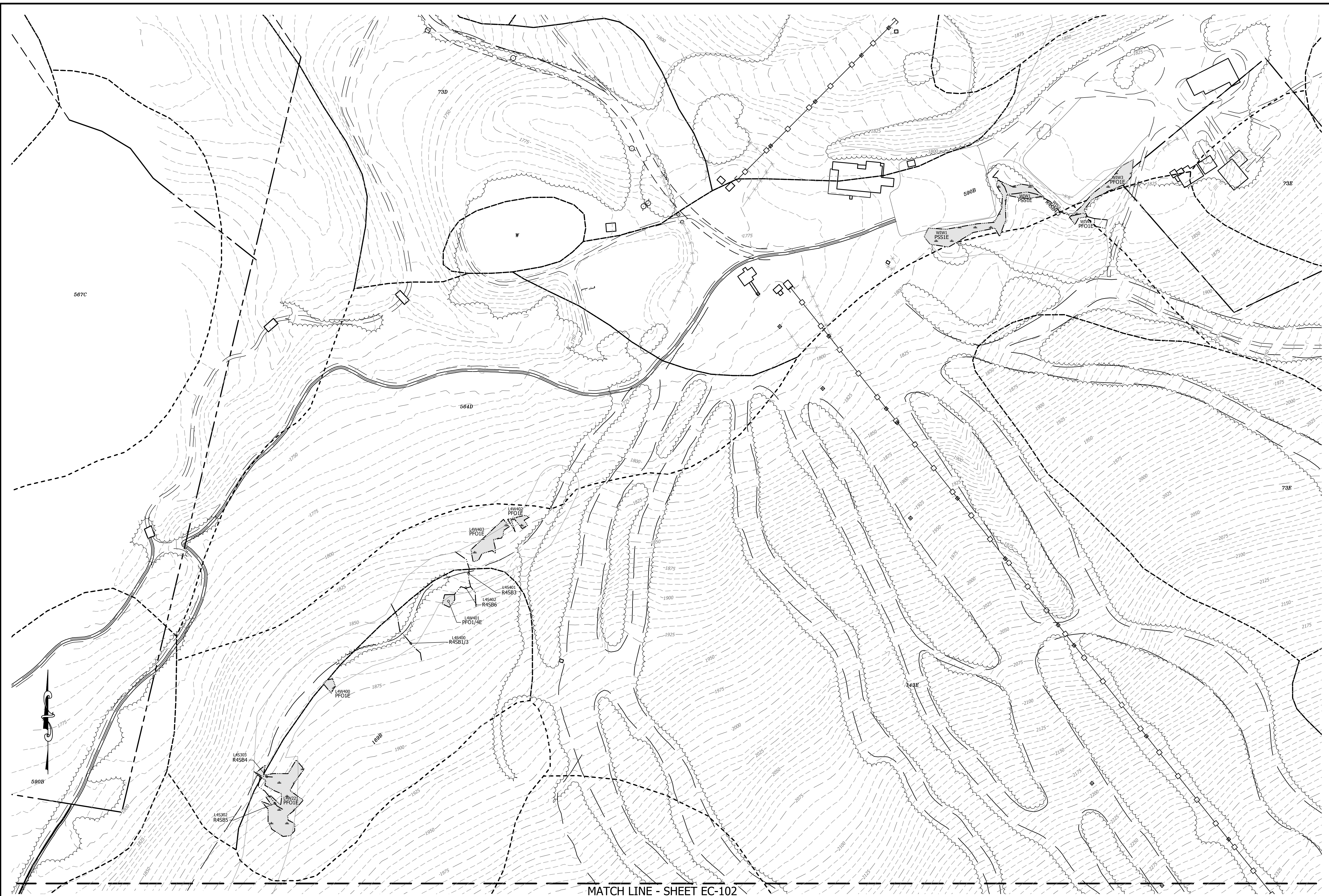
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EC-100

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MATCH LINE - SHEET EC-102

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EC-101

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MATCH LINE - SHEET EC-101

MATCH LINE - SHEET EC-103



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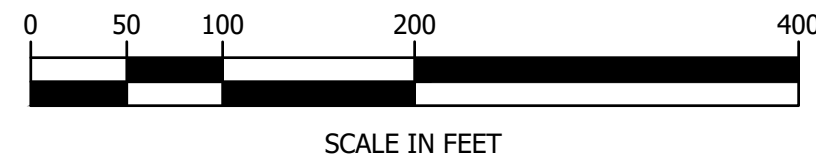
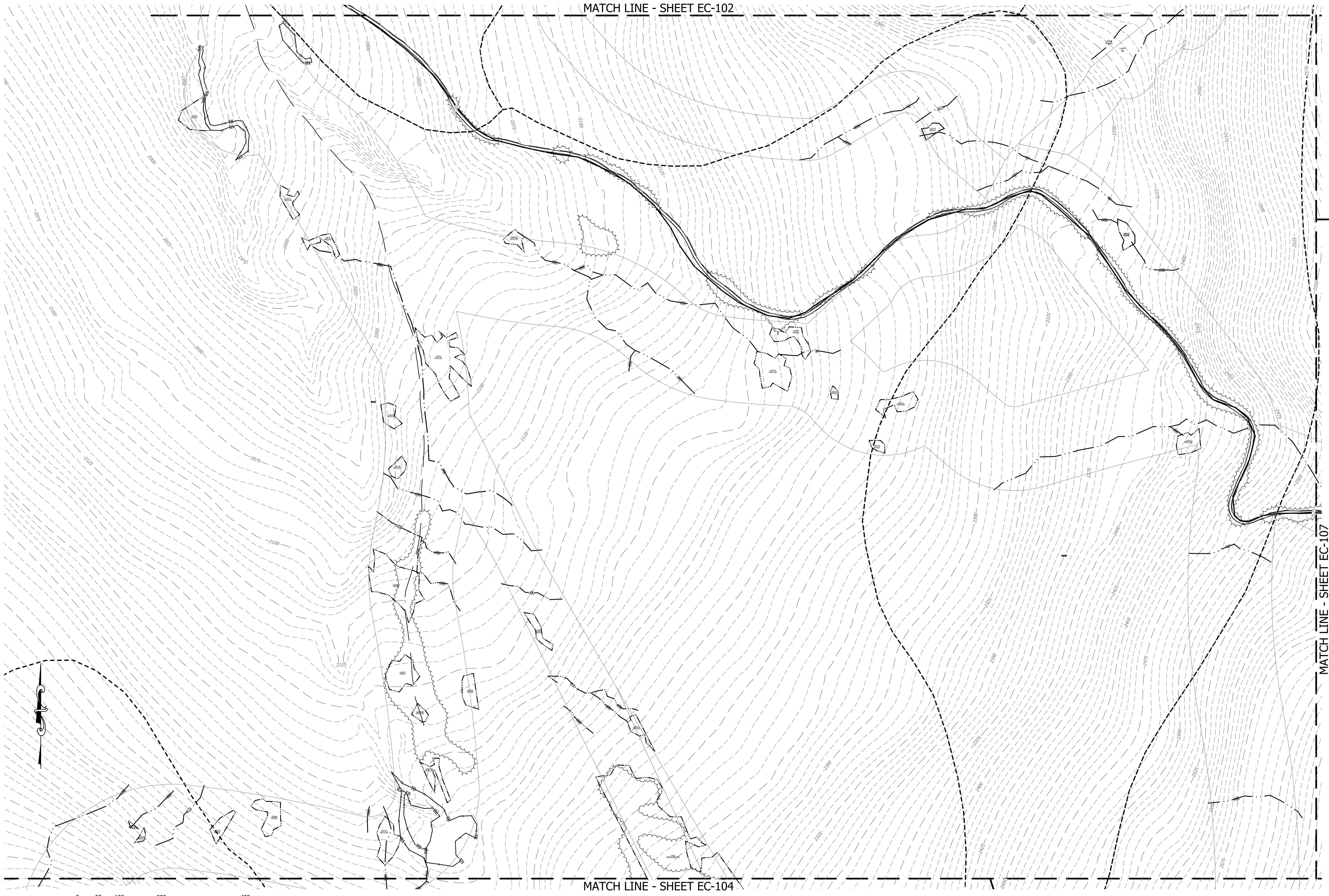


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MATCH LINE - SHEET EC-102

MATCH LINE - SHEET EC-104



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EC-103

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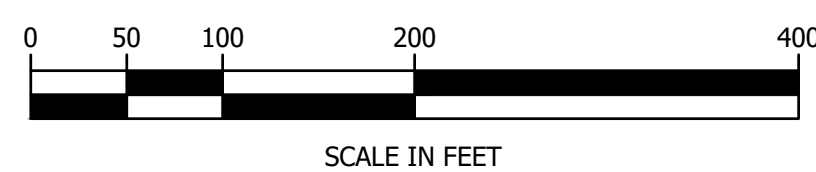
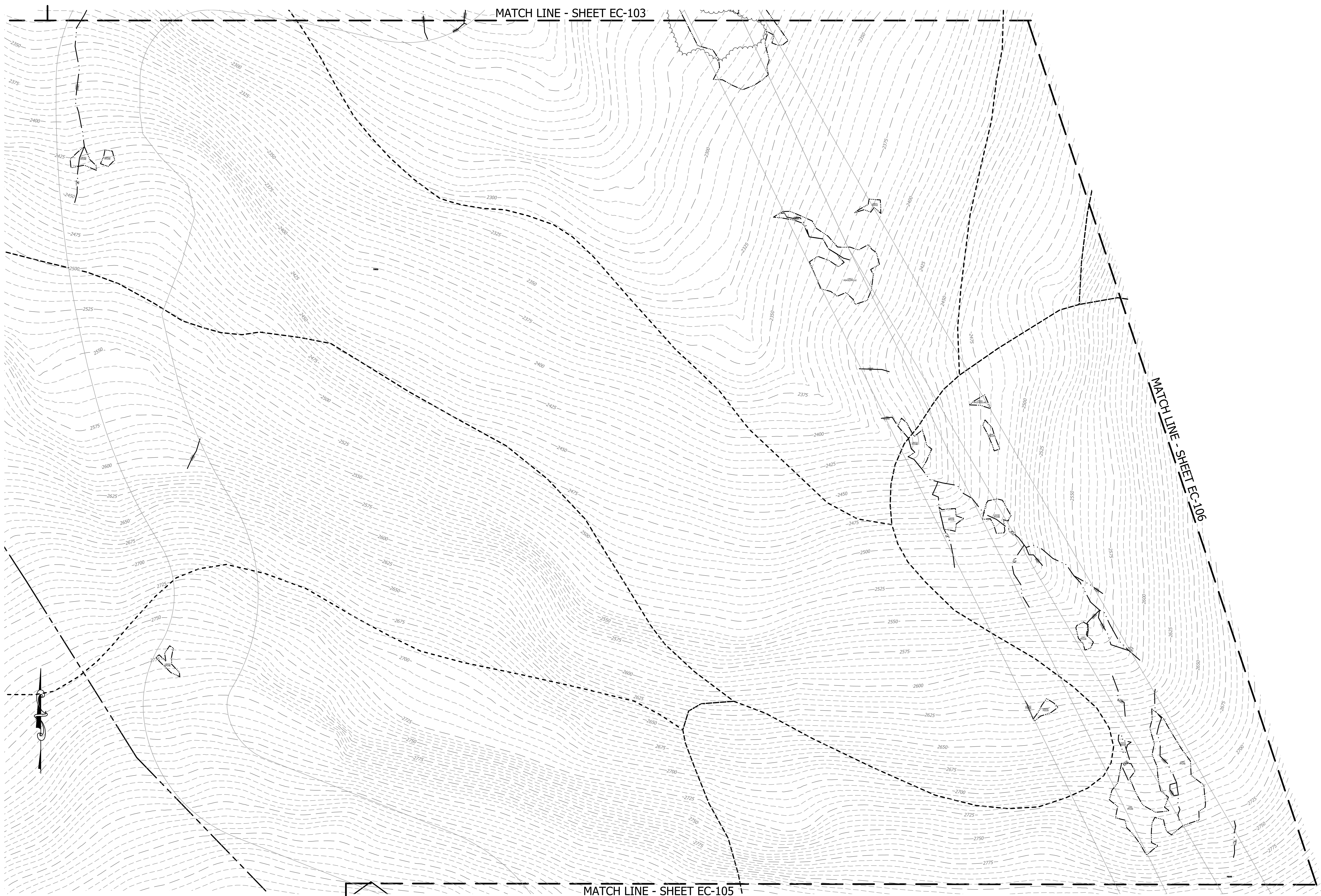
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MATCH LINE - SHEET EC-103

MATCH LINE - SHEET EC-106

MATCH LINE - SHEET EC-105



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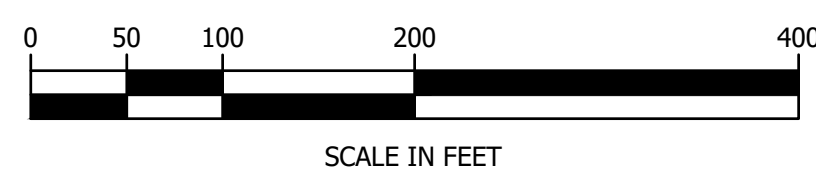
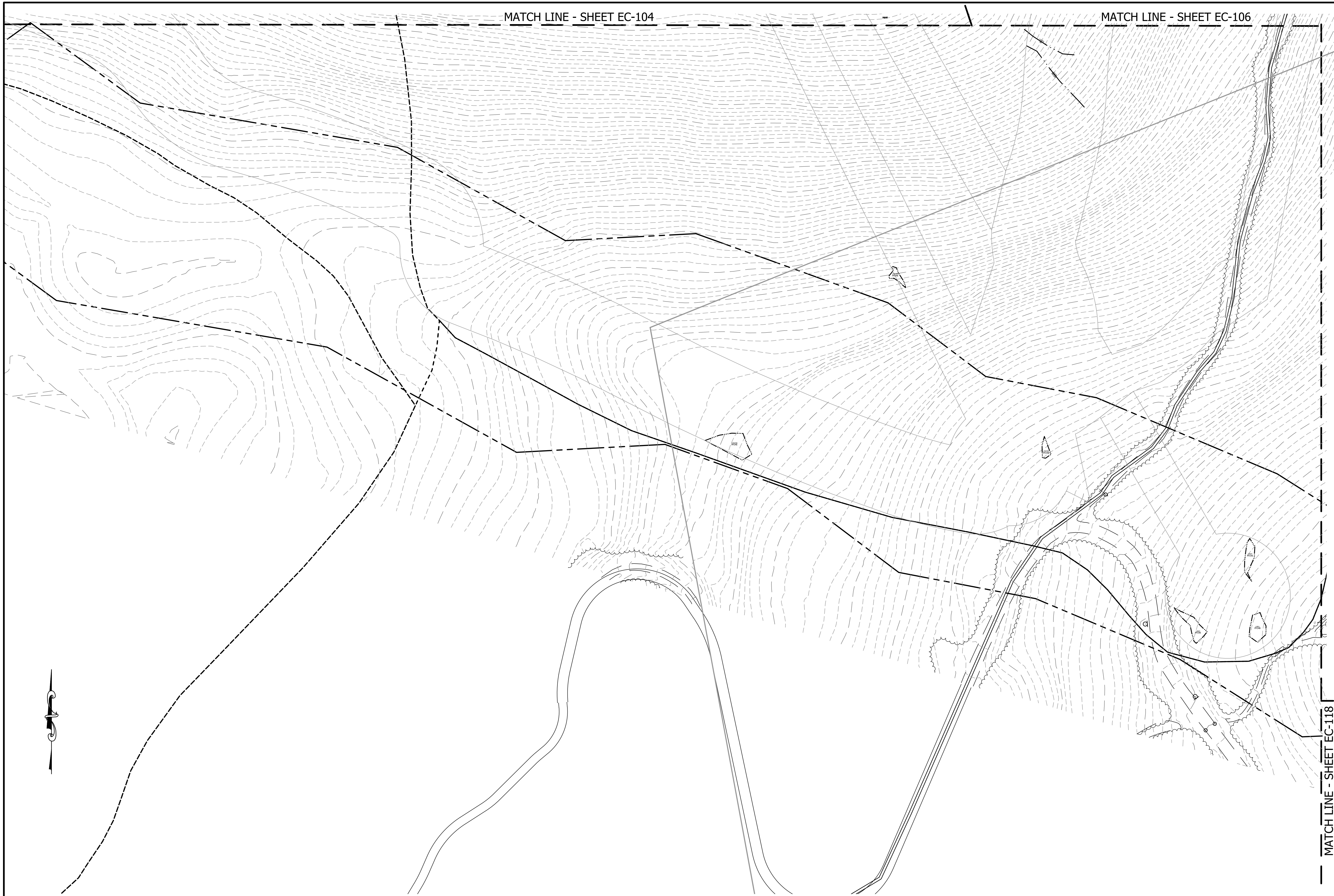
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MATCH LINE - SHEET EC-104

MATCH LINE - SHEET EC-106



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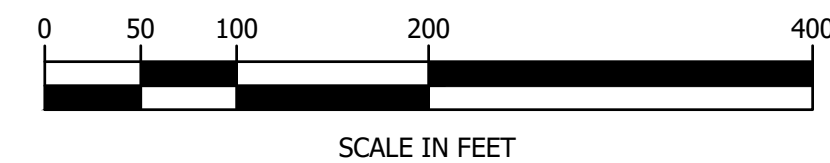
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EC-107

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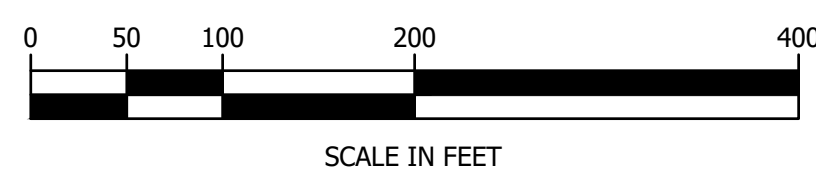
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MATCH LINE - SHEET EC-113



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**EC-108**

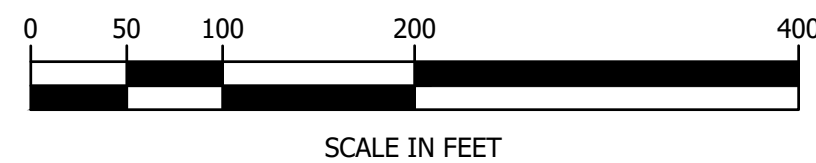
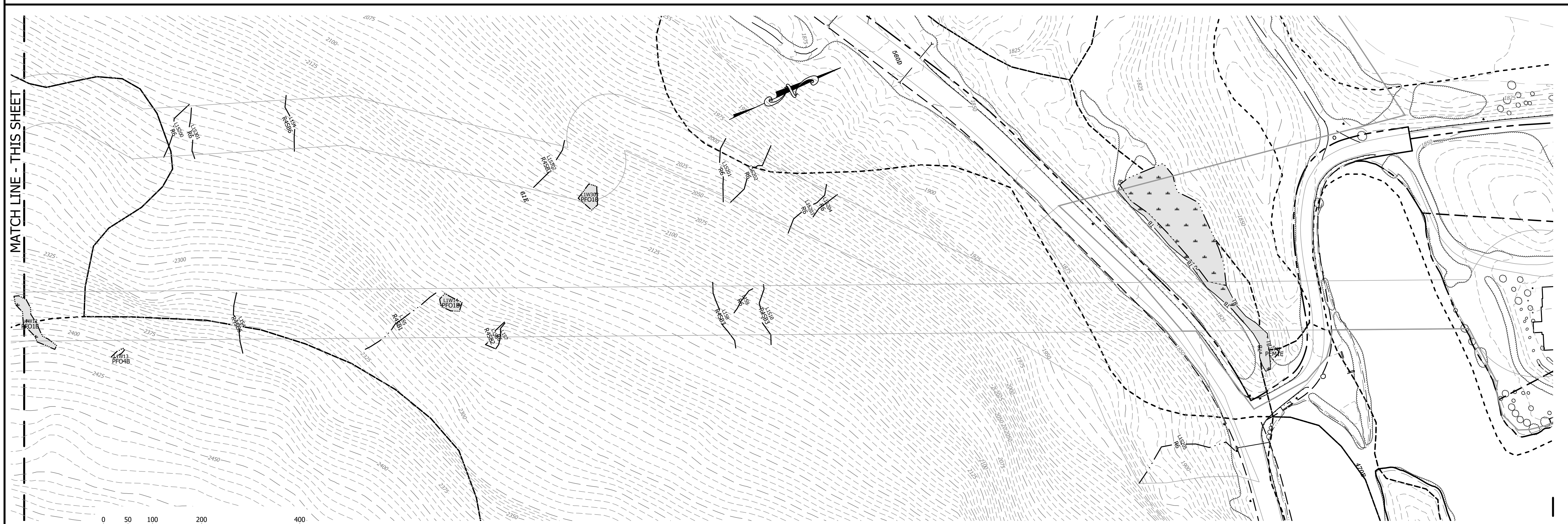
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EC-109

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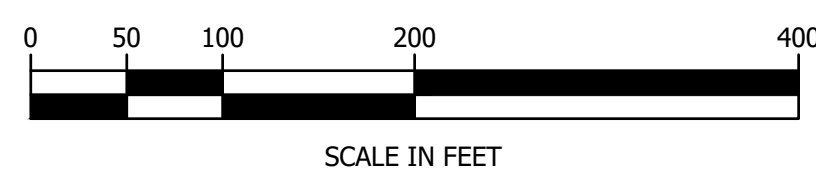


MATCH LINE - THIS SHEET

MATCH LINE - THIS SHEET



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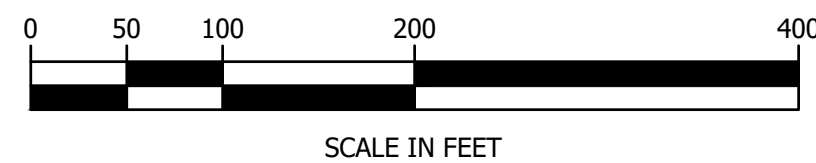
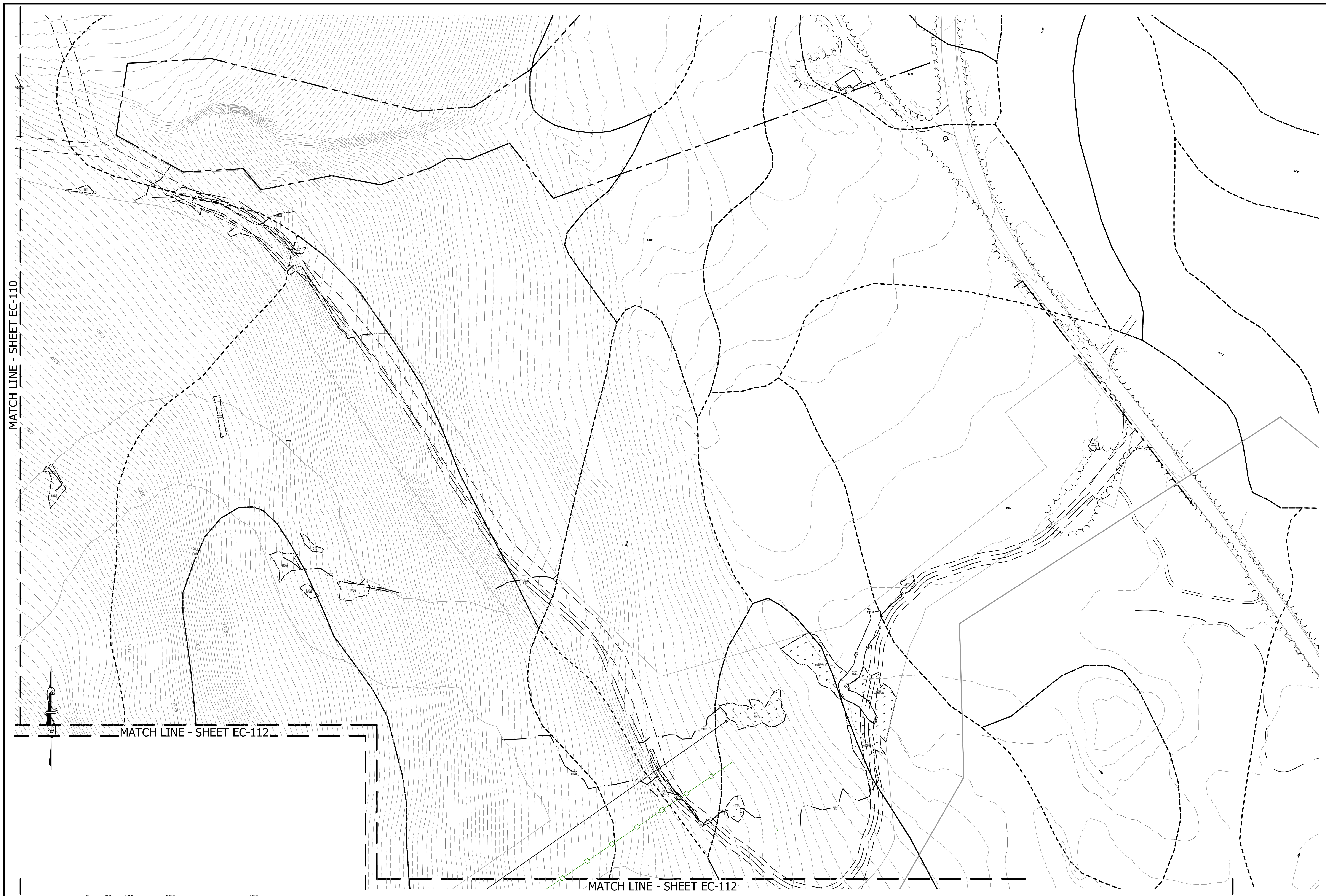
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EC-110



\\1027.168.50.34\hltmrd\_2022\220115 Balsams Master Services\Task 04 Ski Site AOT Wetland\DWG\Bases\220115 Ex\_Condit 01.dwg, 2/10/2023 9:29:16 AM, KarenPhibick



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		EC-111	



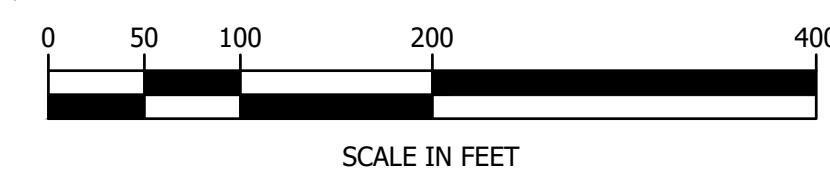
SHEET EC-110

MATCH LINE - SHEET EC-111

MATCH LINE - SHEET EC-111

MATCH LINE - SHEET EC-113

MATCH LINE - SHEET EC-114



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DRAWN BY:	KRP/SJB
CHECKED BY:	NORM - JWM

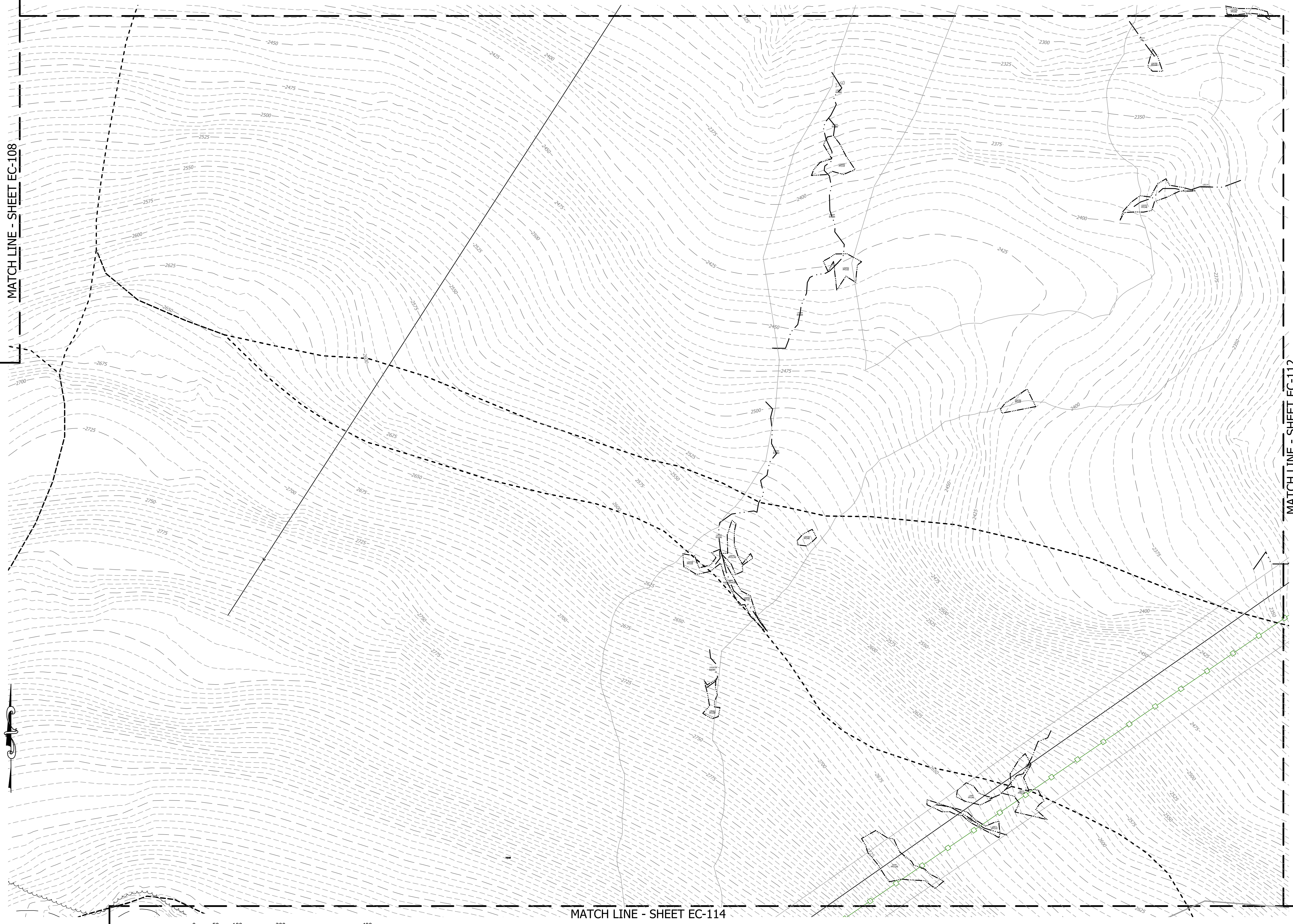
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EC-112

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EXISTING CONDITIONS PLAN  
 EC-113

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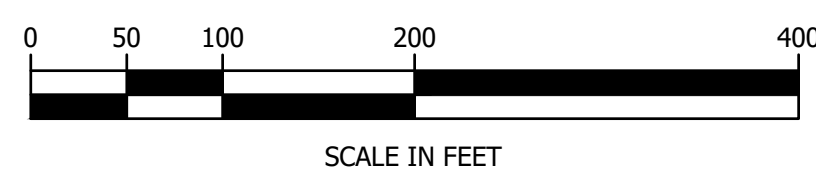
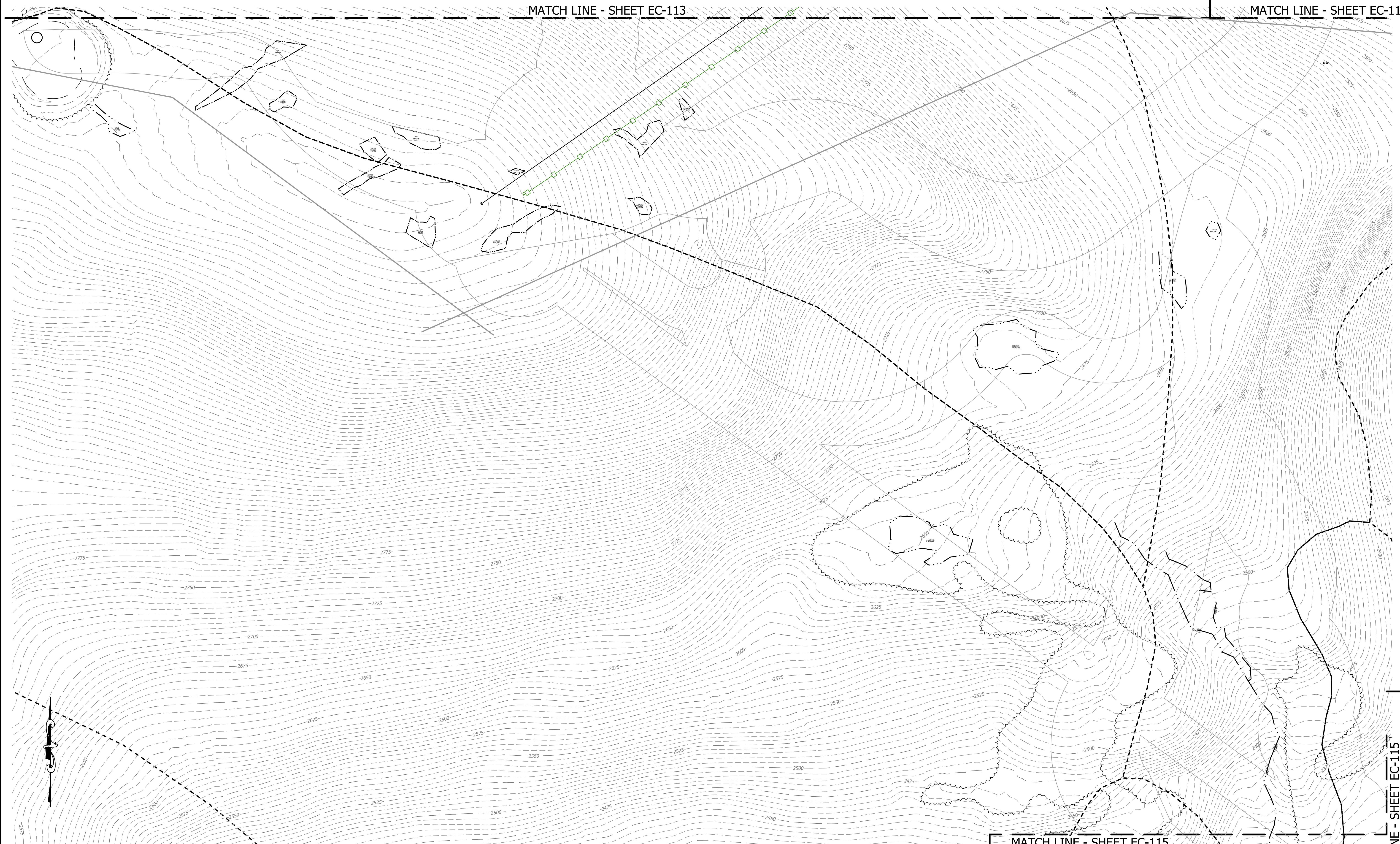


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MATCH LINE - SHEET EC-113

MATCH LINE - SHEET EC-112



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MATCH LINE - SHEET EC-115

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EC-114

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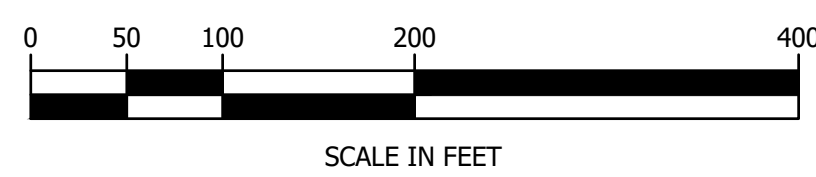


MATCH LINE - SHEET EC-114/

MATCH LINE - SHEET EC-114

MATCH LINE - SHEET EC-116

MATCH LINE - SHEET EC-116



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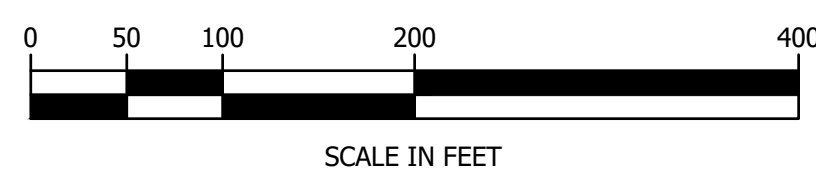
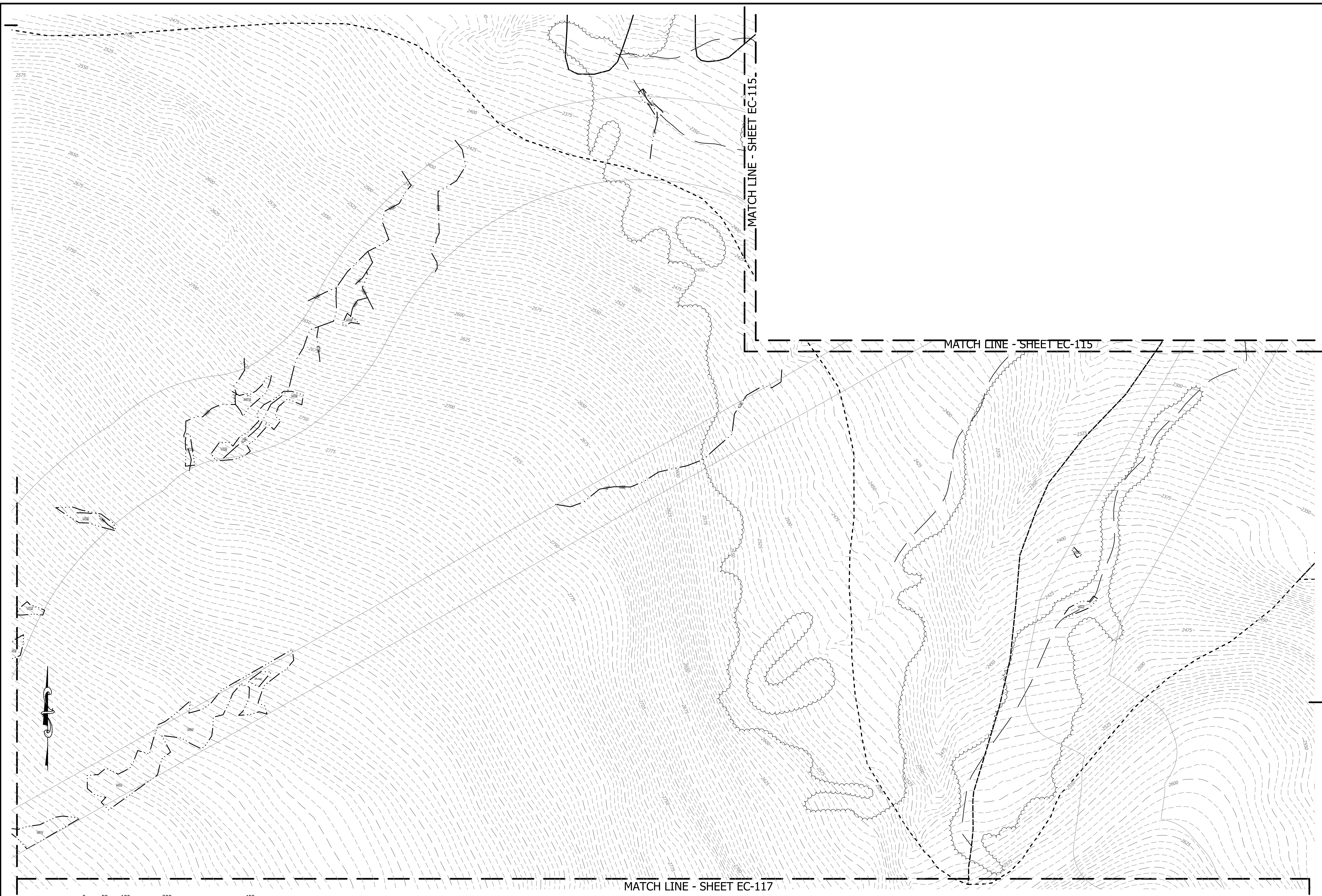


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MATCH LINE - SHEET EC-117

MATCH LINE - SHEET EC-115

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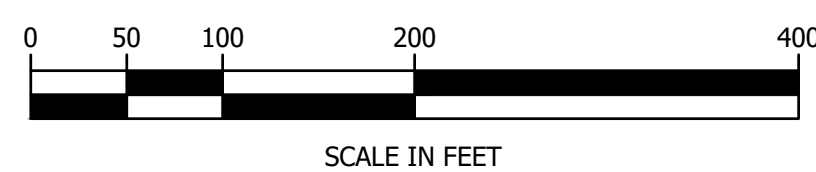
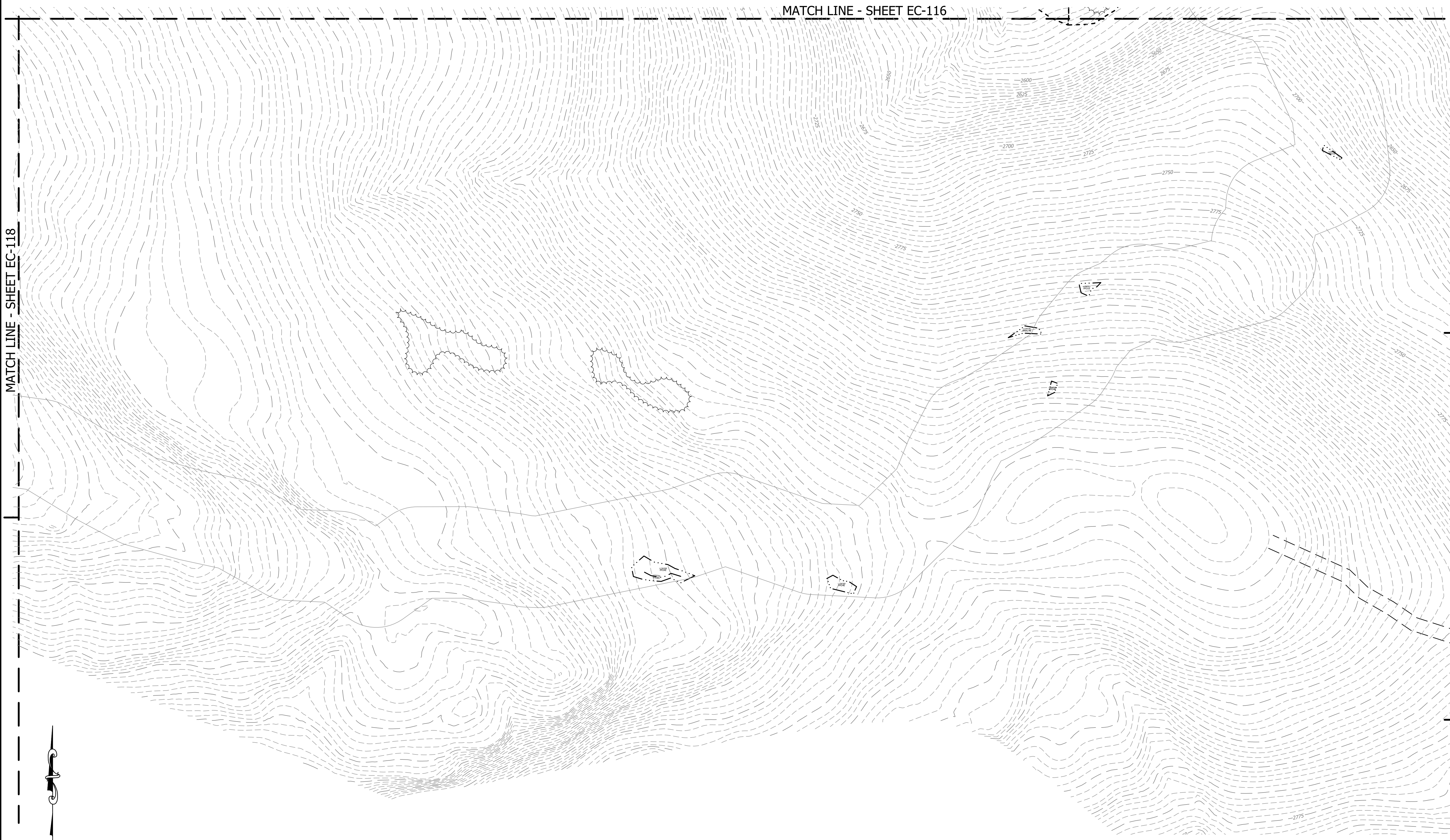
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EC-116



MATCH LINE - SHEET EC-118

MATCH LINE - SHEET EC-116



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EC-117

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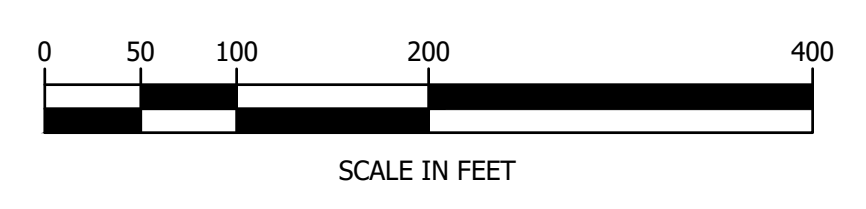


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MATCH LINE - THIS SHEET

MATCH LINE - SHEET EC-105

MATCH LINE - THIS SHEET



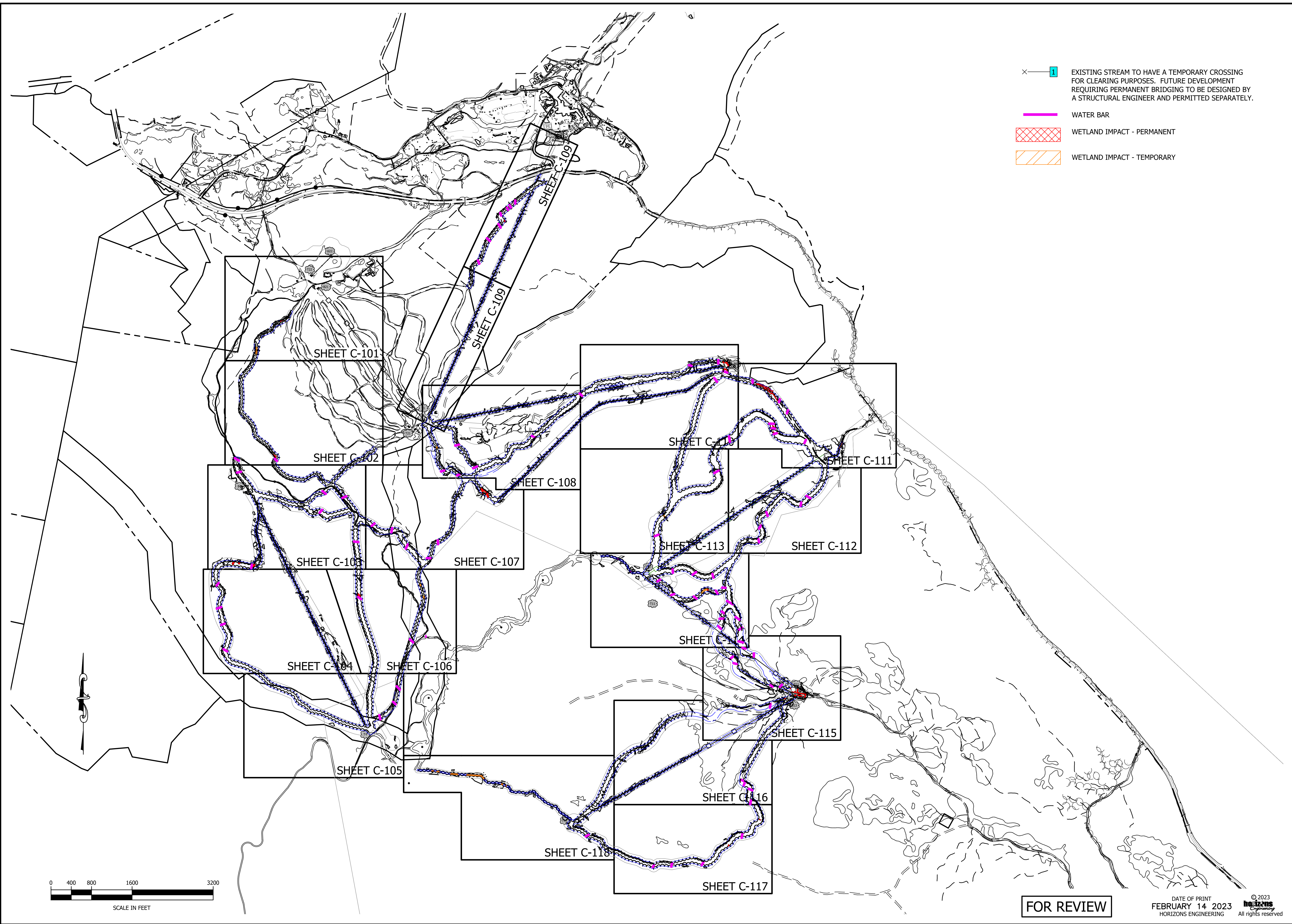
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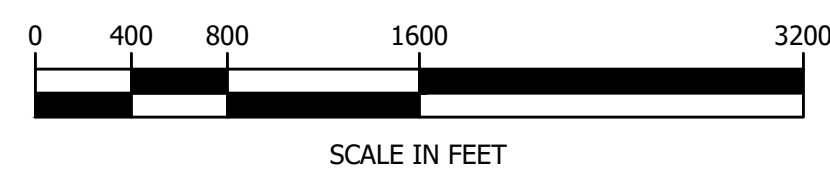


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		EC-118	





- EXISTING STREAM TO HAVE A TEMPORARY CROSSING FOR CLEARING PURPOSES. FUTURE DEVELOPMENT REQUIRING PERMANENT BRIDGING TO BE DESIGNED BY A STRUCTURAL ENGINEER AND PERMITTED SEPARATELY.
- WATER BAR
- WETLAND IMPACT - PERMANENT
- WETLAND IMPACT - TEMPORARY



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ENGINEERED BY:	NSG			
DRAWN BY:	KRP/MSG			
CHECKED BY:	DEB			

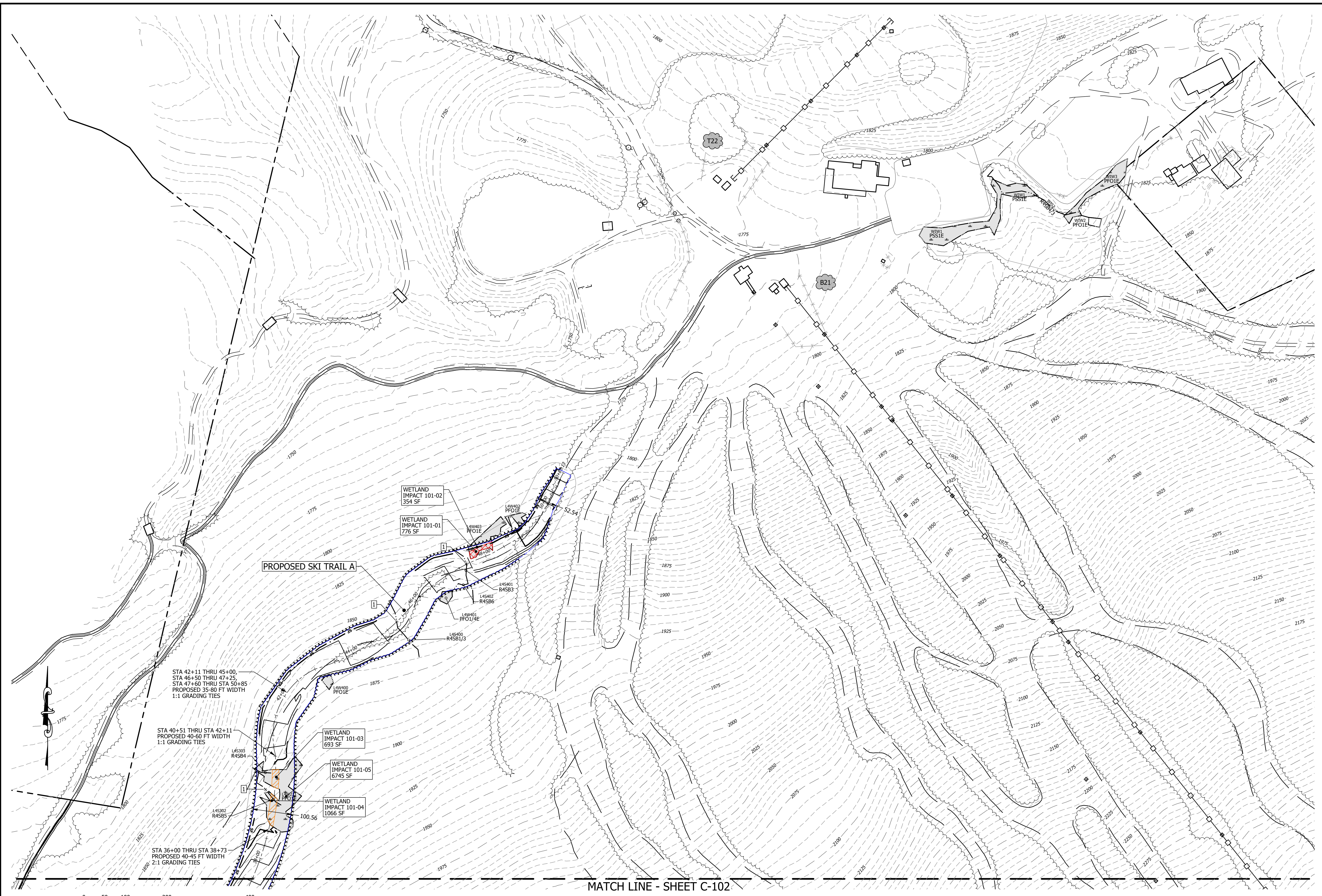
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 OVERVIEW, LEGEND AND SHEET LAYOUT  
 SKI TRAIL CLEARING & GRADING

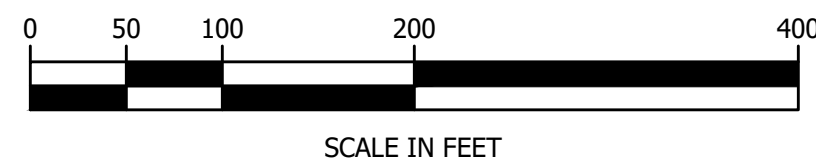
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MATCH LINE - SHEET C-102



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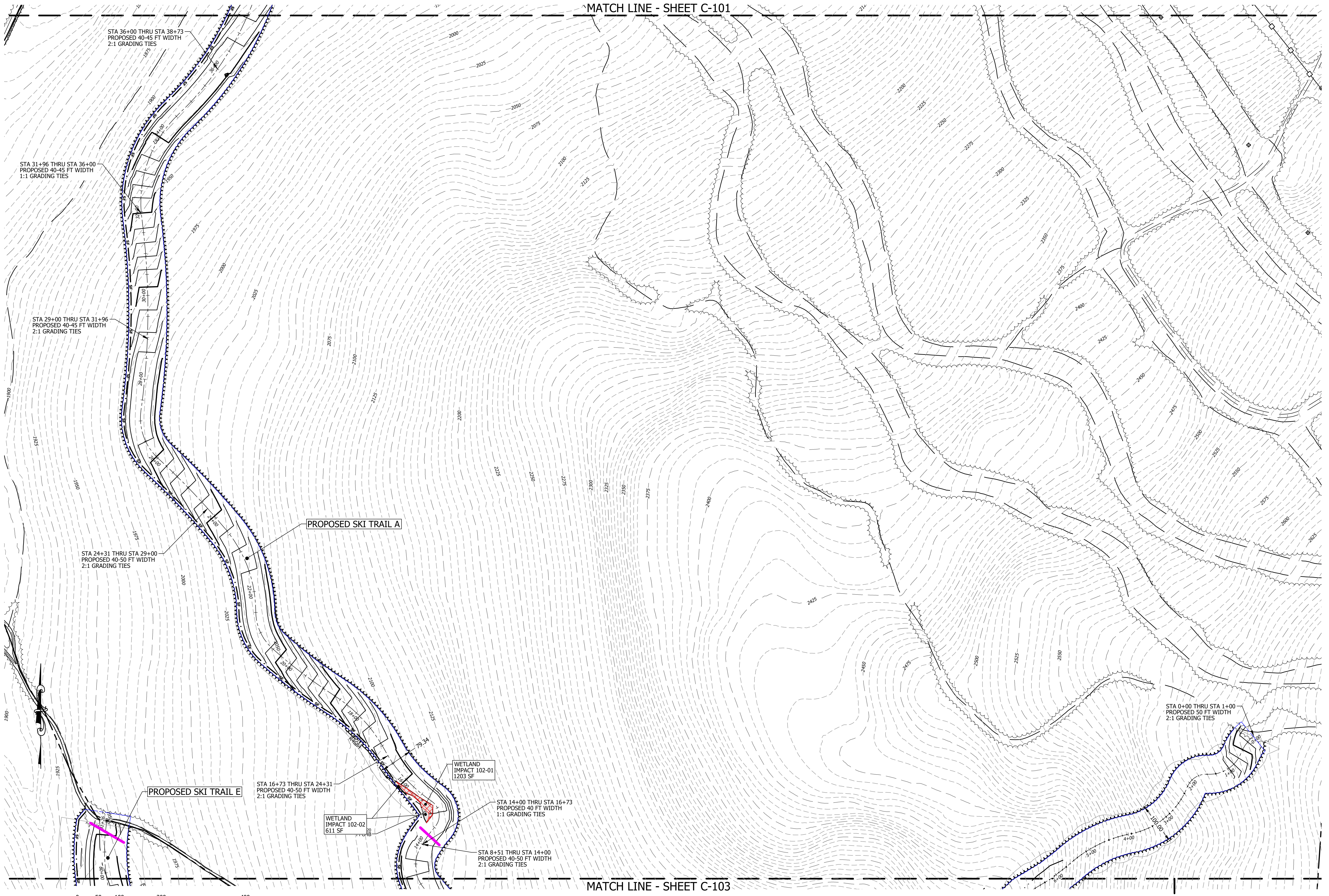
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MATCH LINE - SHEET C-101

MATCH LINE - SHEET C-103



PROJECT #:	DATE:	NO.	REVISION DESCRIPTION	ENG	DWG
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MAP LOT (OR ARCHIVE)					
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ENGINEERED BY:	MSG				
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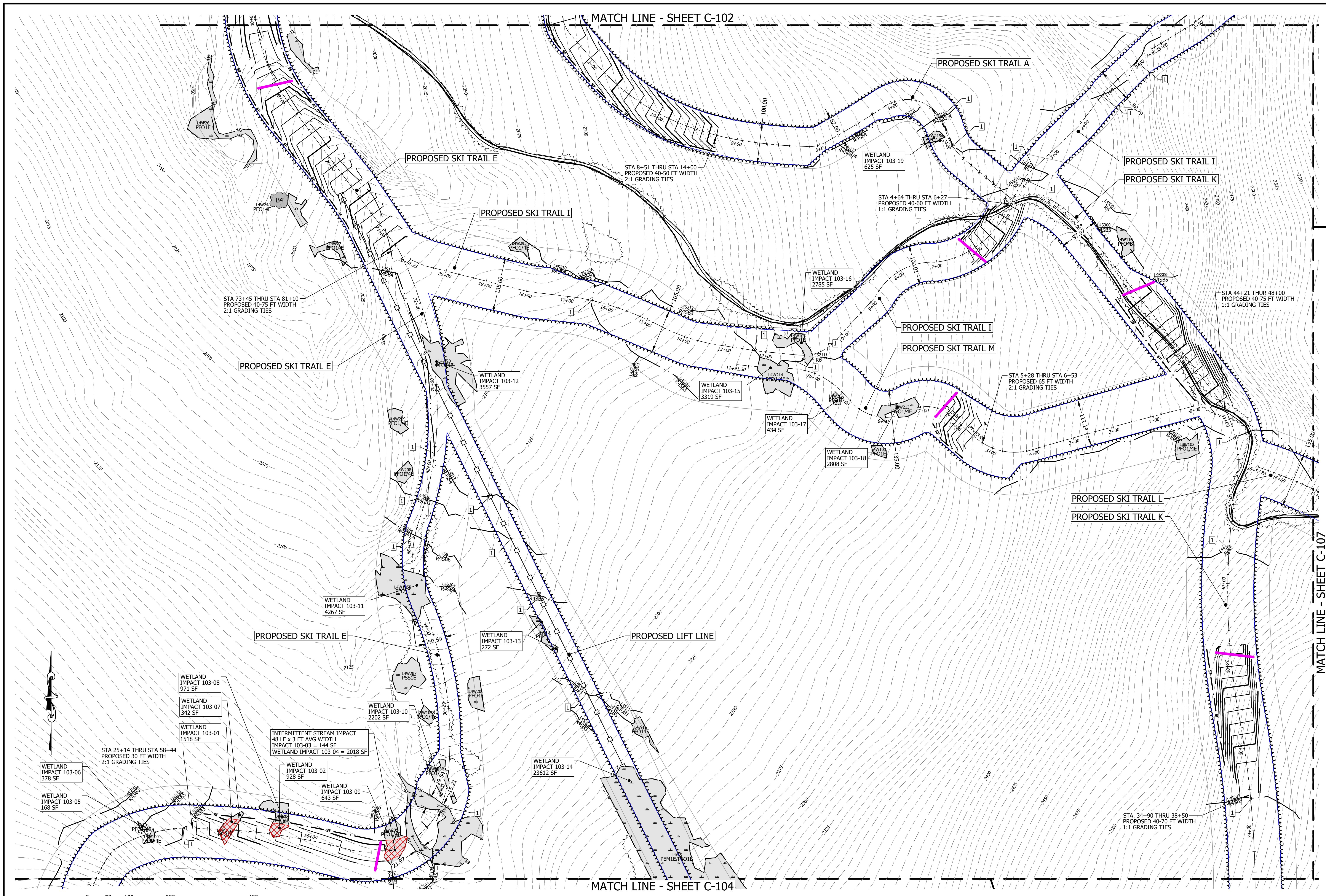
C-102

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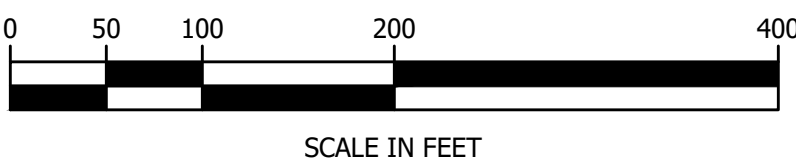


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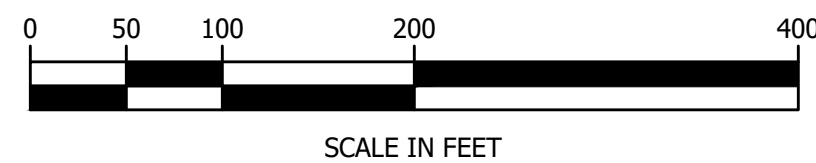
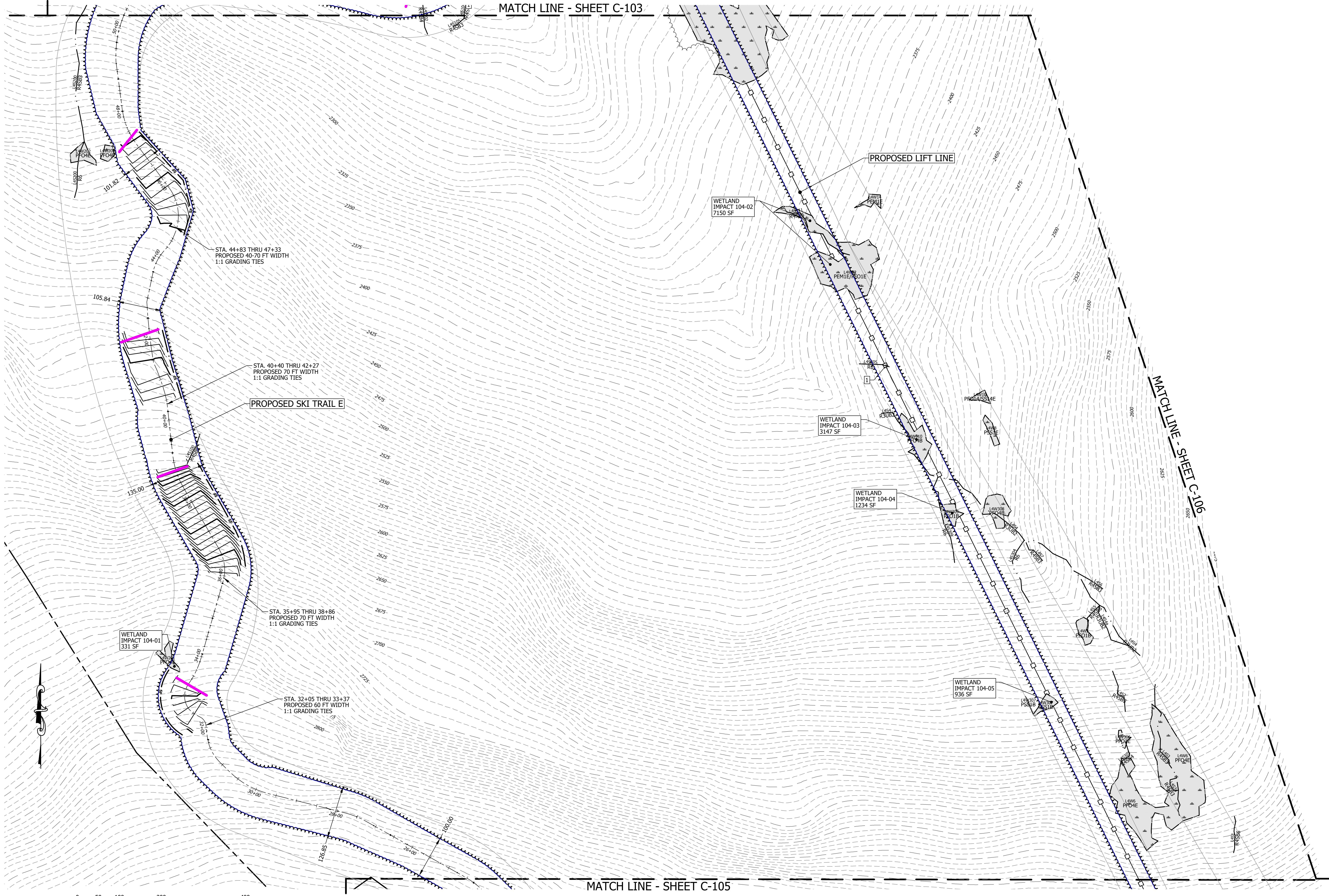
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MATCH LINE - SHEET C-103

MATCH LINE - SHEET C-106

MATCH LINE - SHEET C-105



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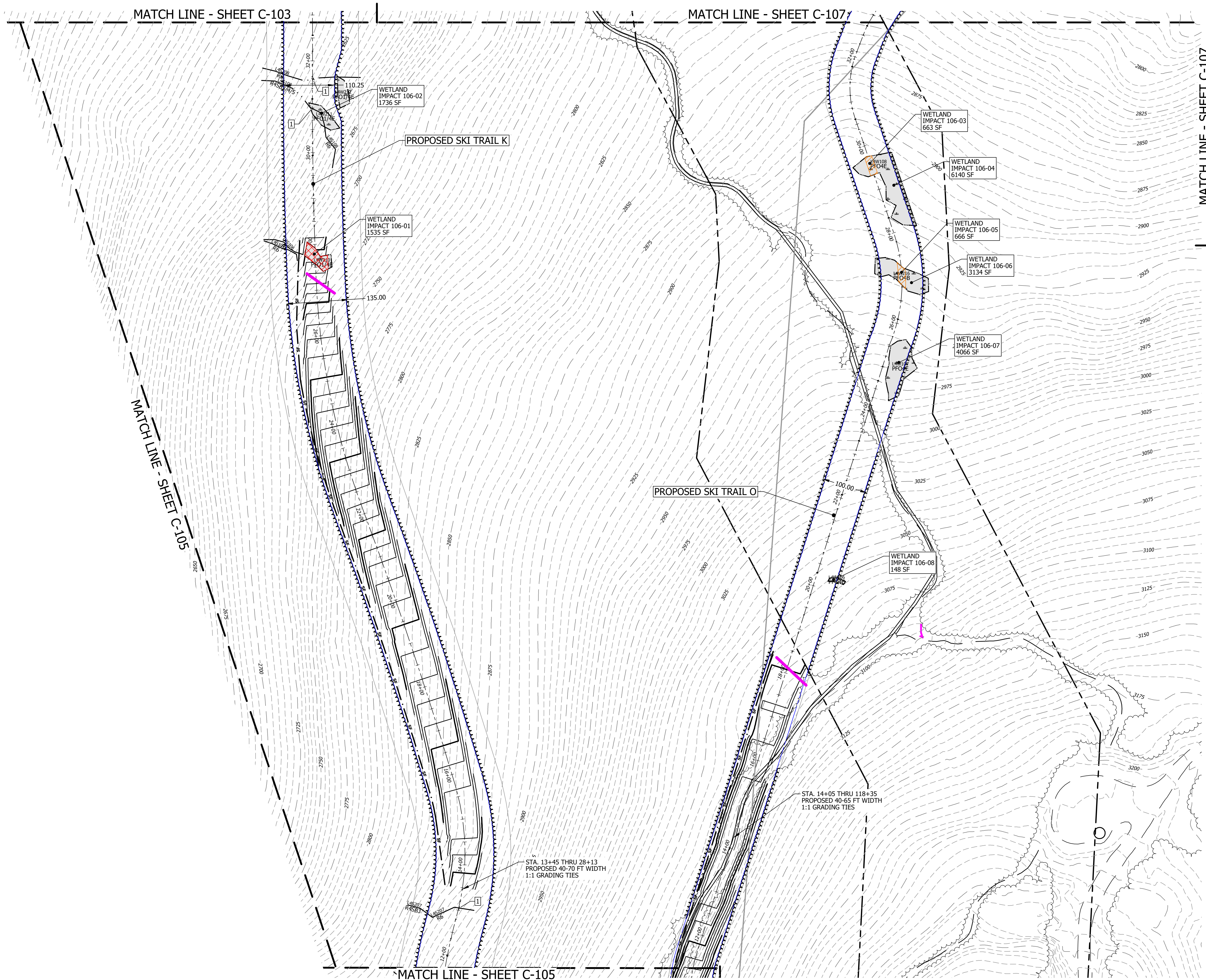
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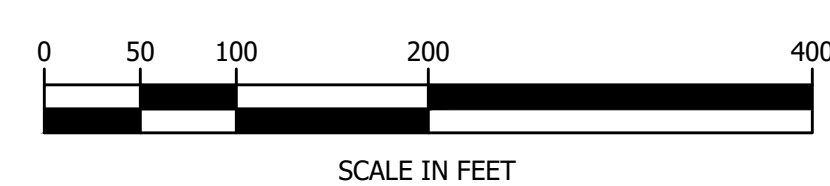


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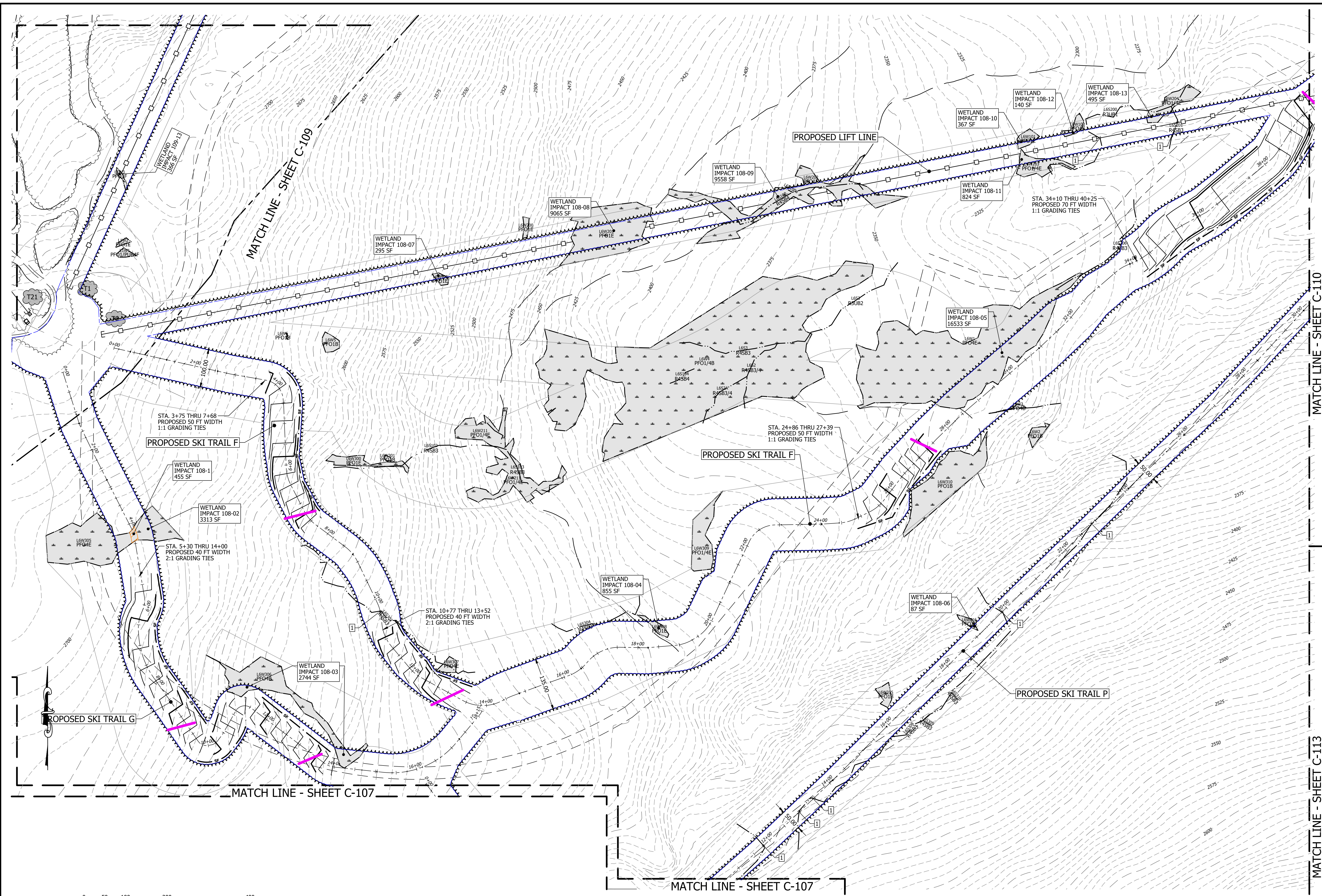


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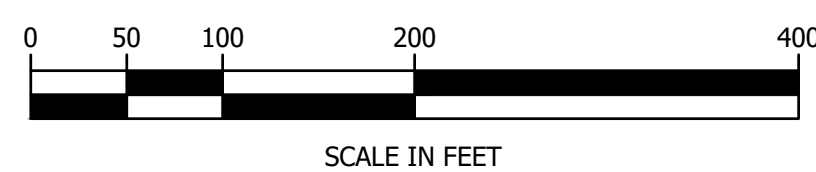


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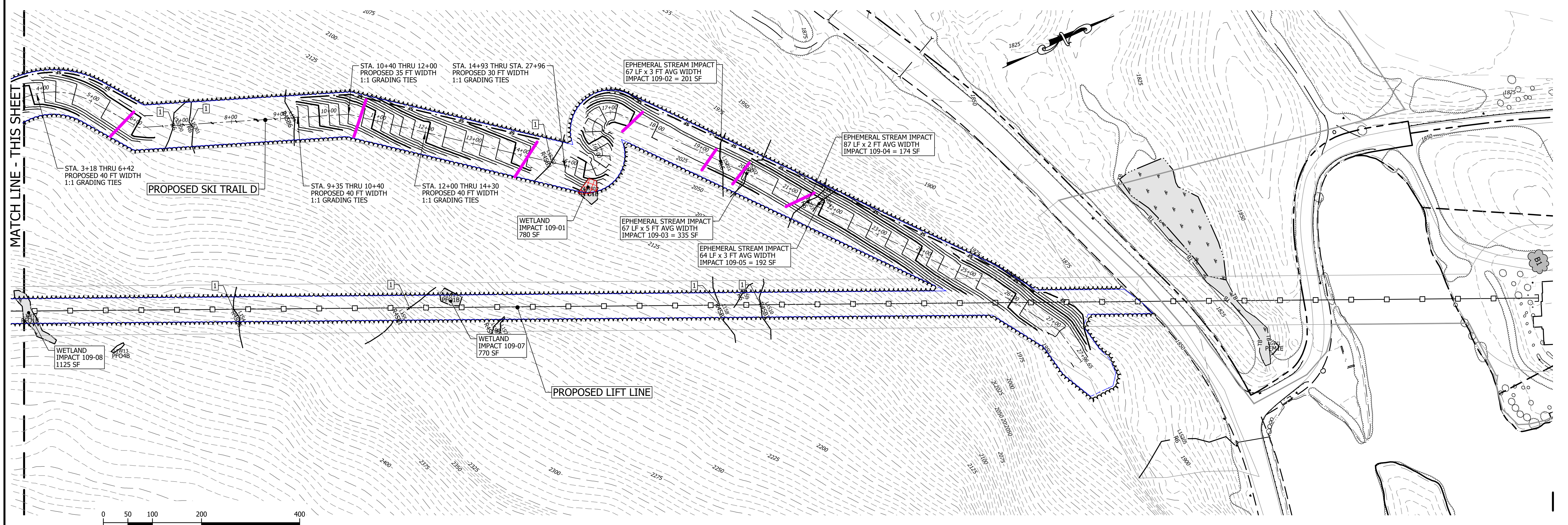
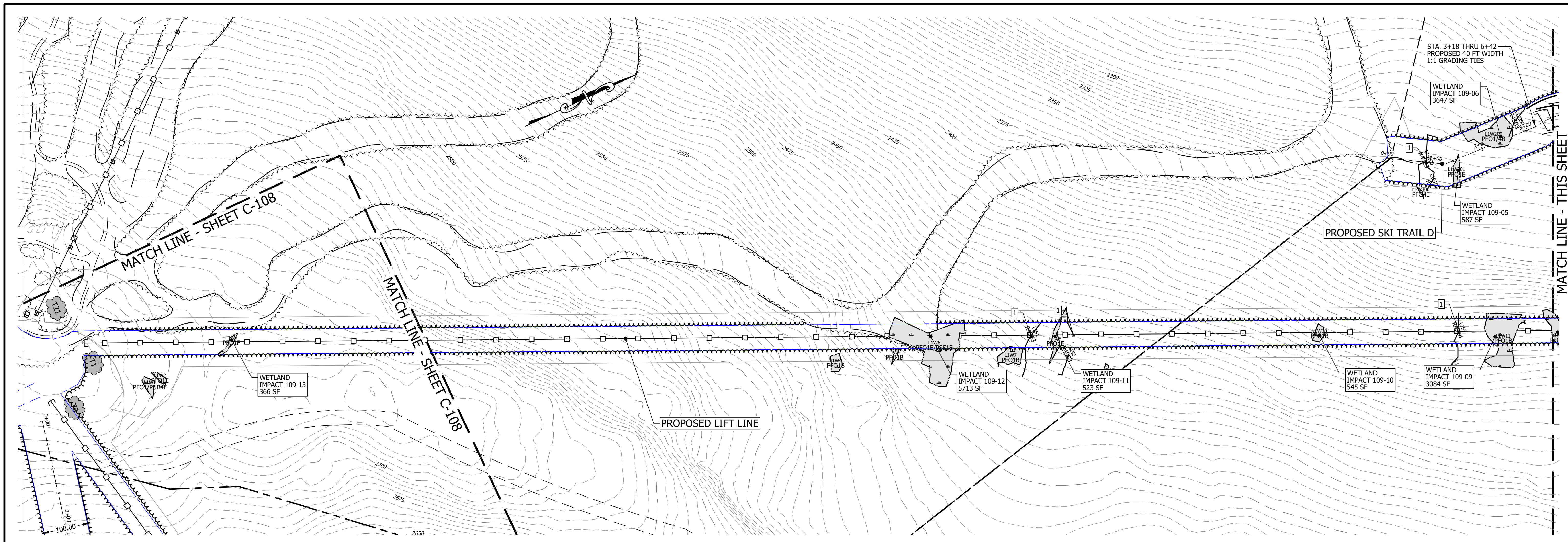
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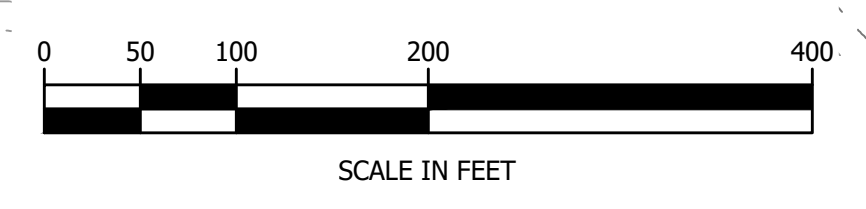


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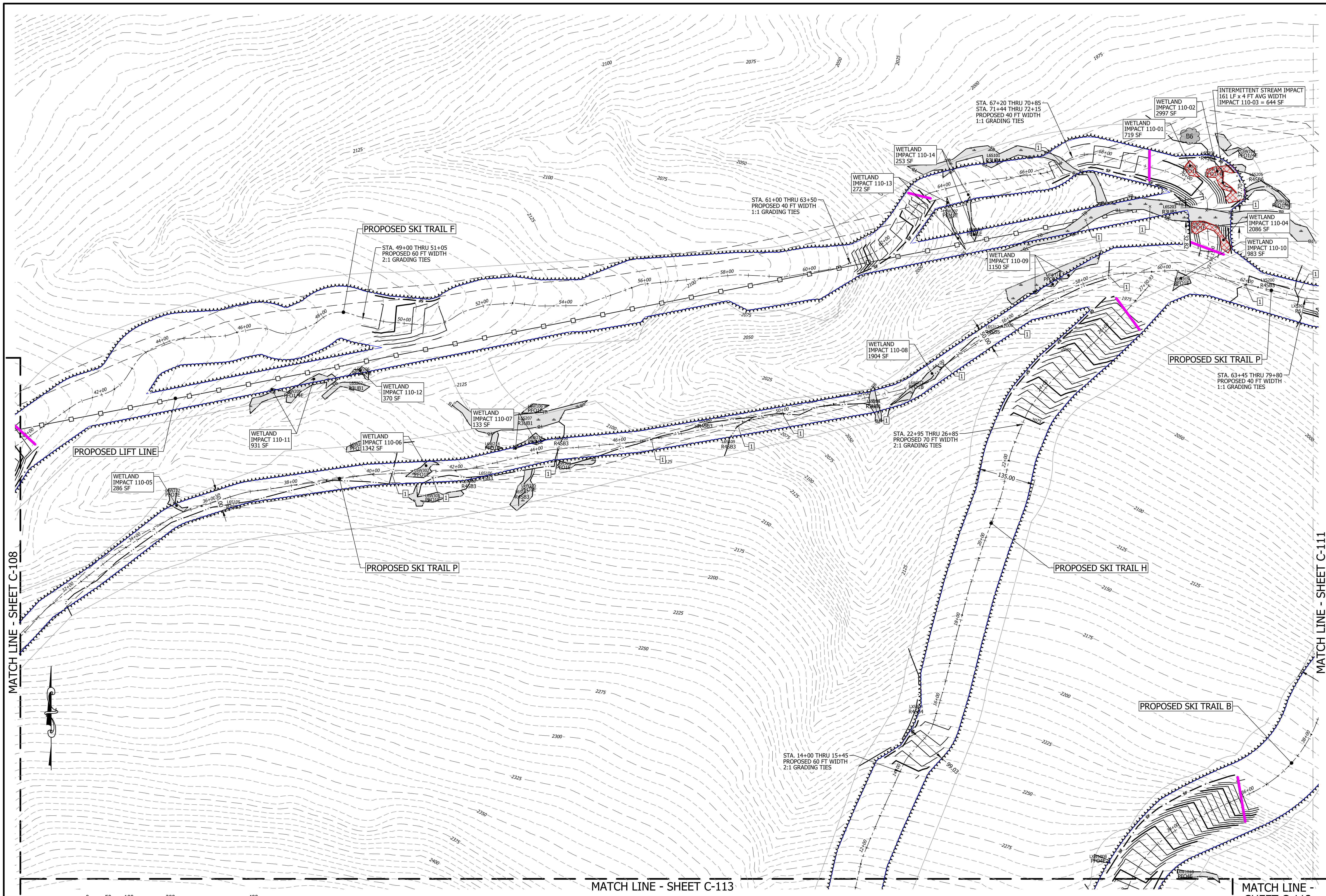


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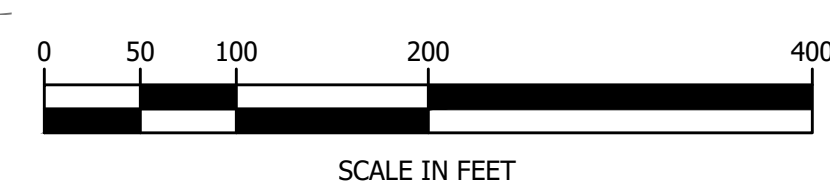
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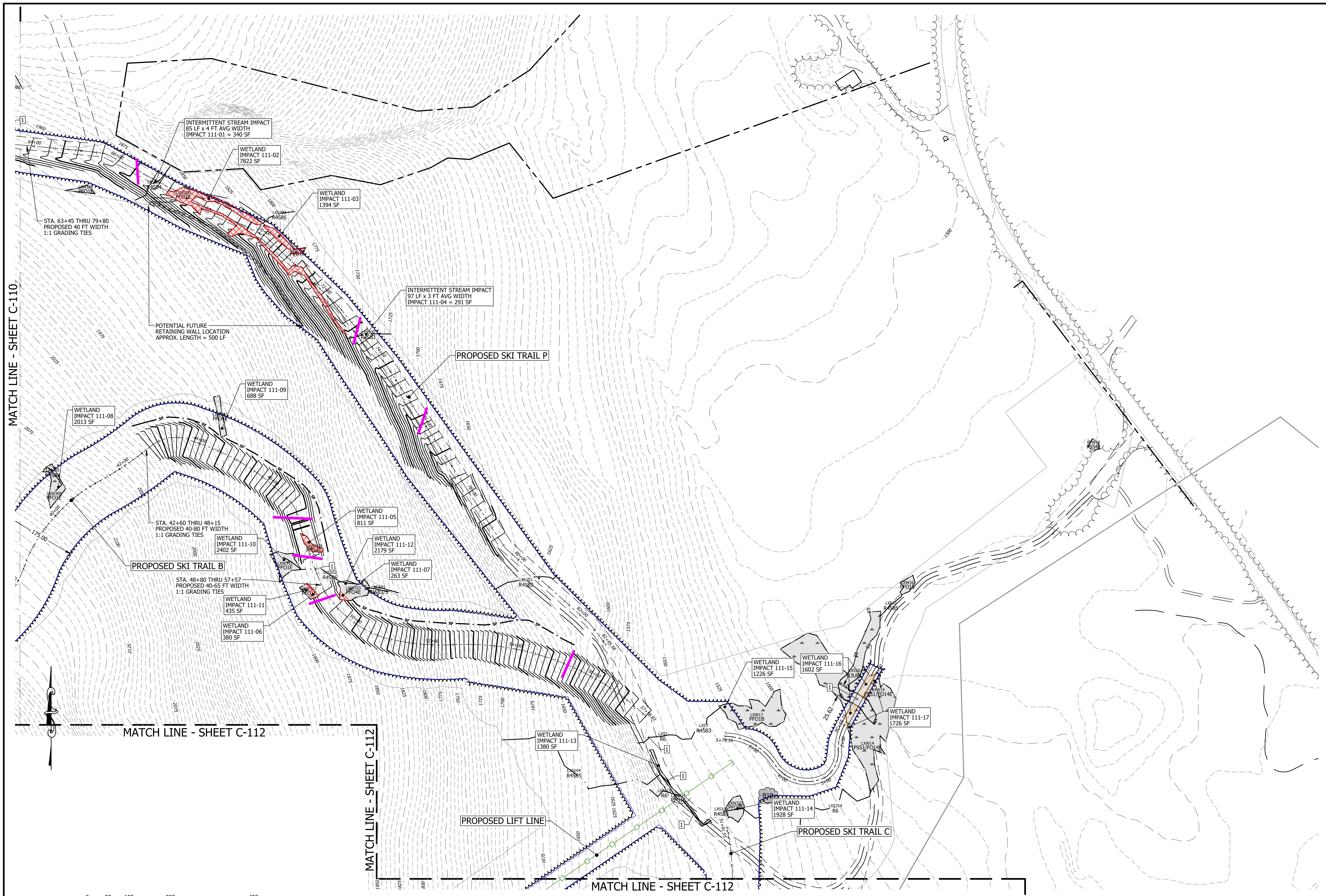


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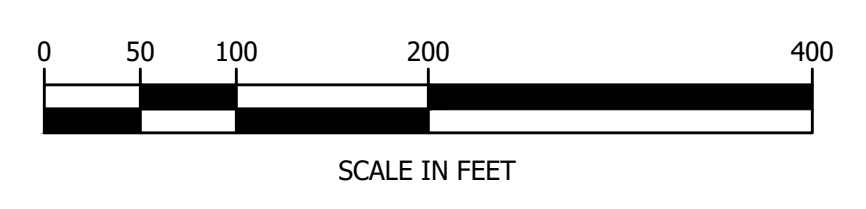




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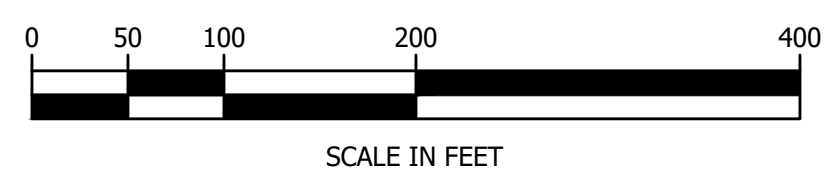


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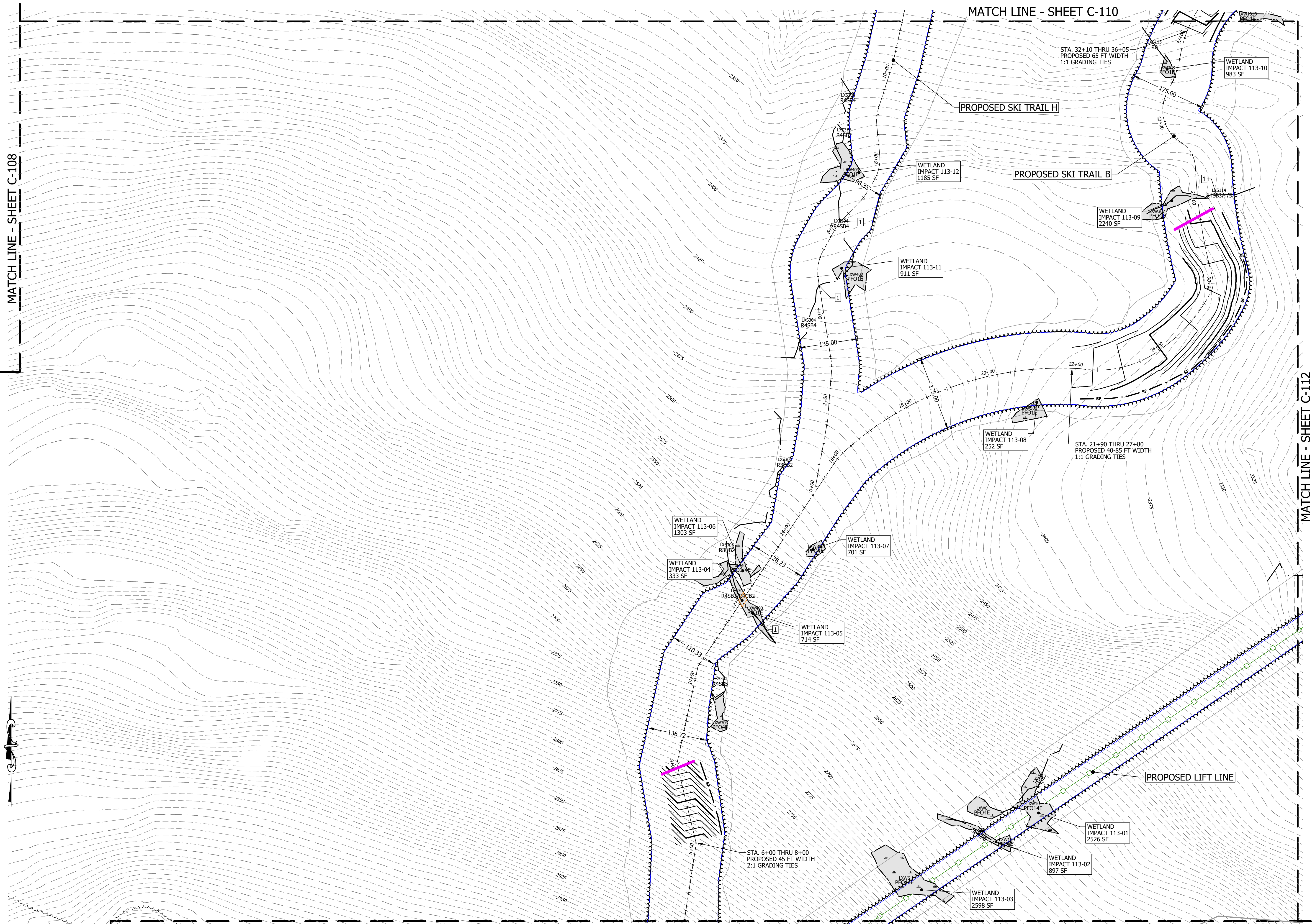
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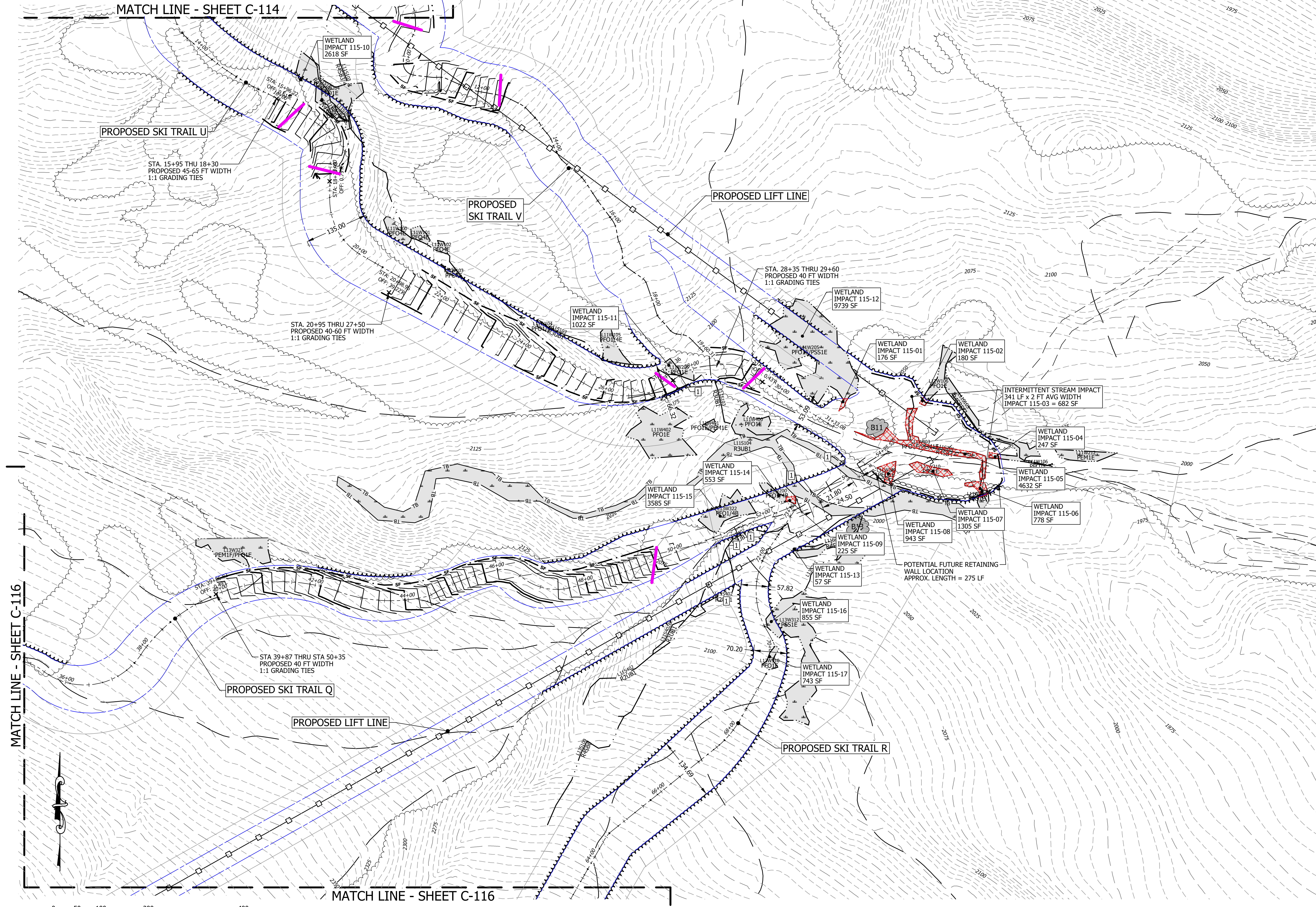






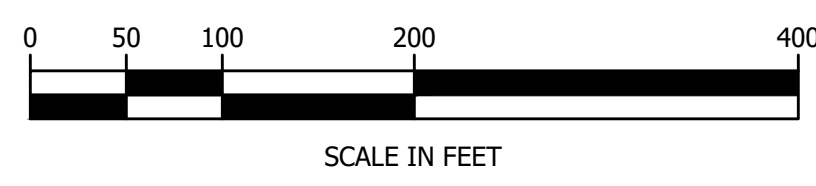
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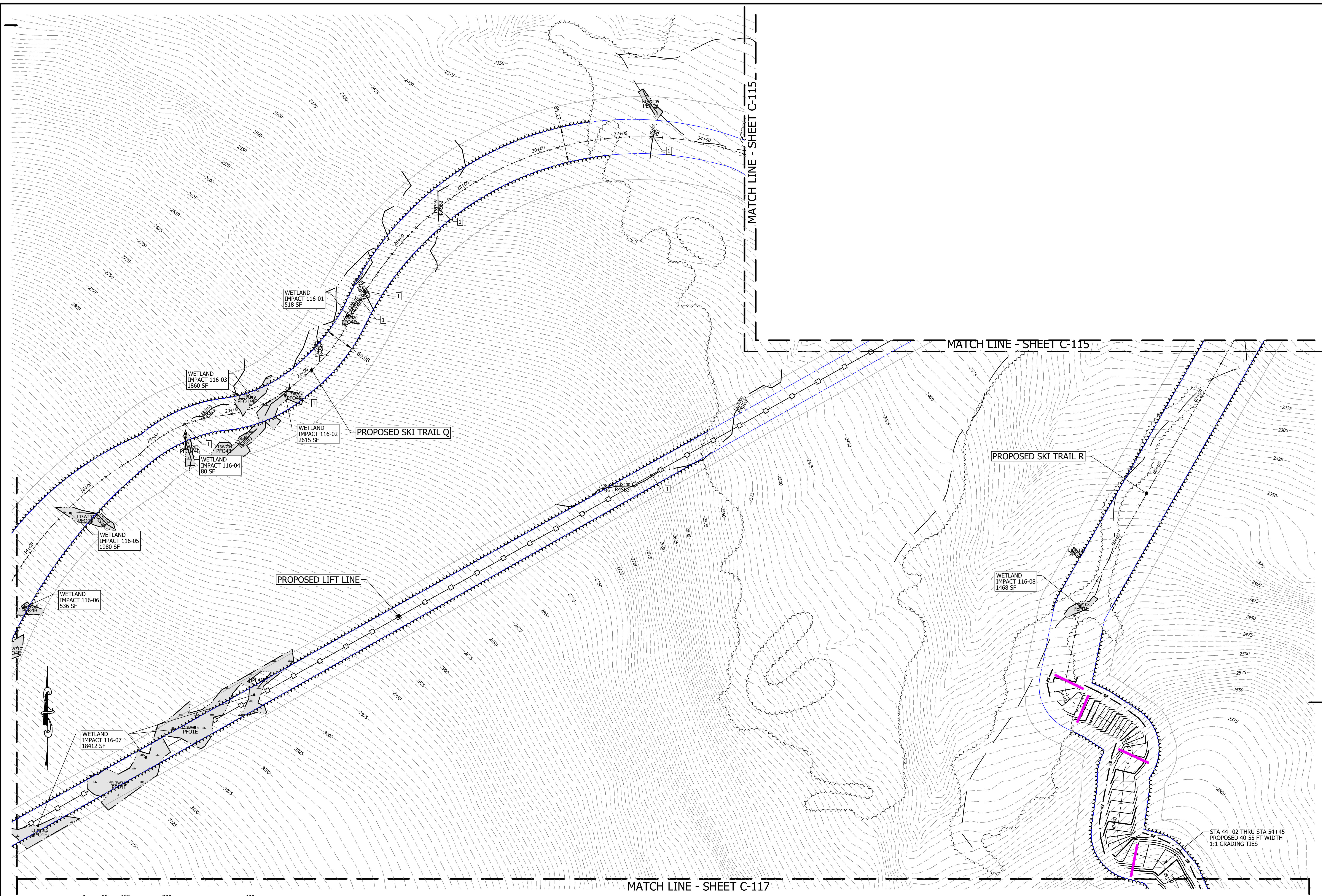
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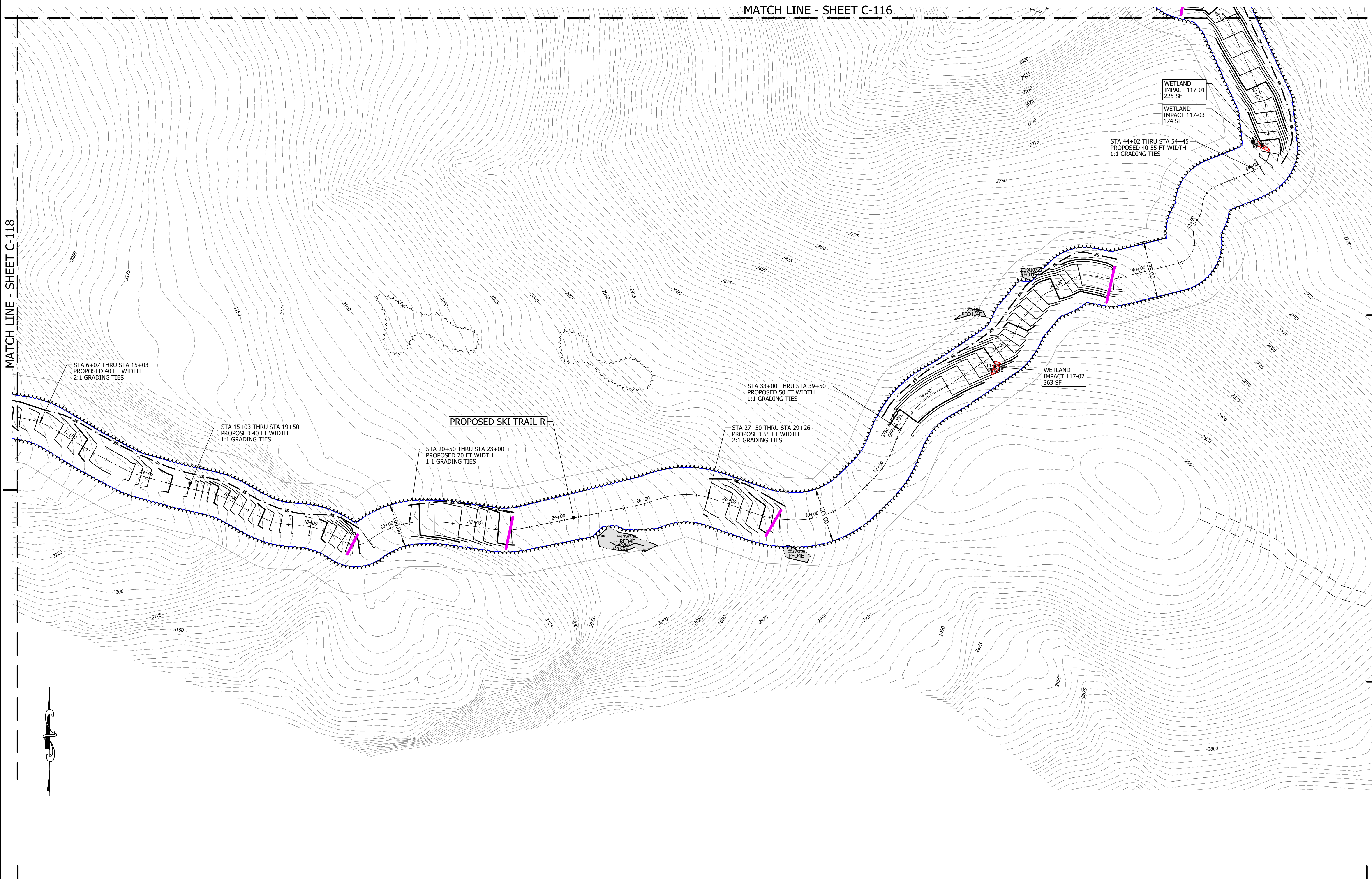
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## SEEDING RECOMMENDATIONS

- GRADING AND SHAPING**  
A. SLOPES SHALL NOT BE STEEPER THAN 1:1; 2:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION**  
A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.  
B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME THOROUGHLY INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.

- ESTABLISHING VEGETATION**  
A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:  
-AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ. FT.  
-NITROGEN (N), 50 LBS., PER ACRE OR 1.1 LBS. PER 1,000 SQ. FT.  
-PHOSPHATE (P<sub>2</sub>O<sub>5</sub>), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.  
-POTASH (K<sub>2</sub>O), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.  
(NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10).

- SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.

USE	SEEDING MIXTURE (SEE 3D)	SOIL TYPE			
		DROUGHTY	WELL DRAINED	MOD. WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	GOOD	FAIR
	C	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	GOOD	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	GOOD	FAIR

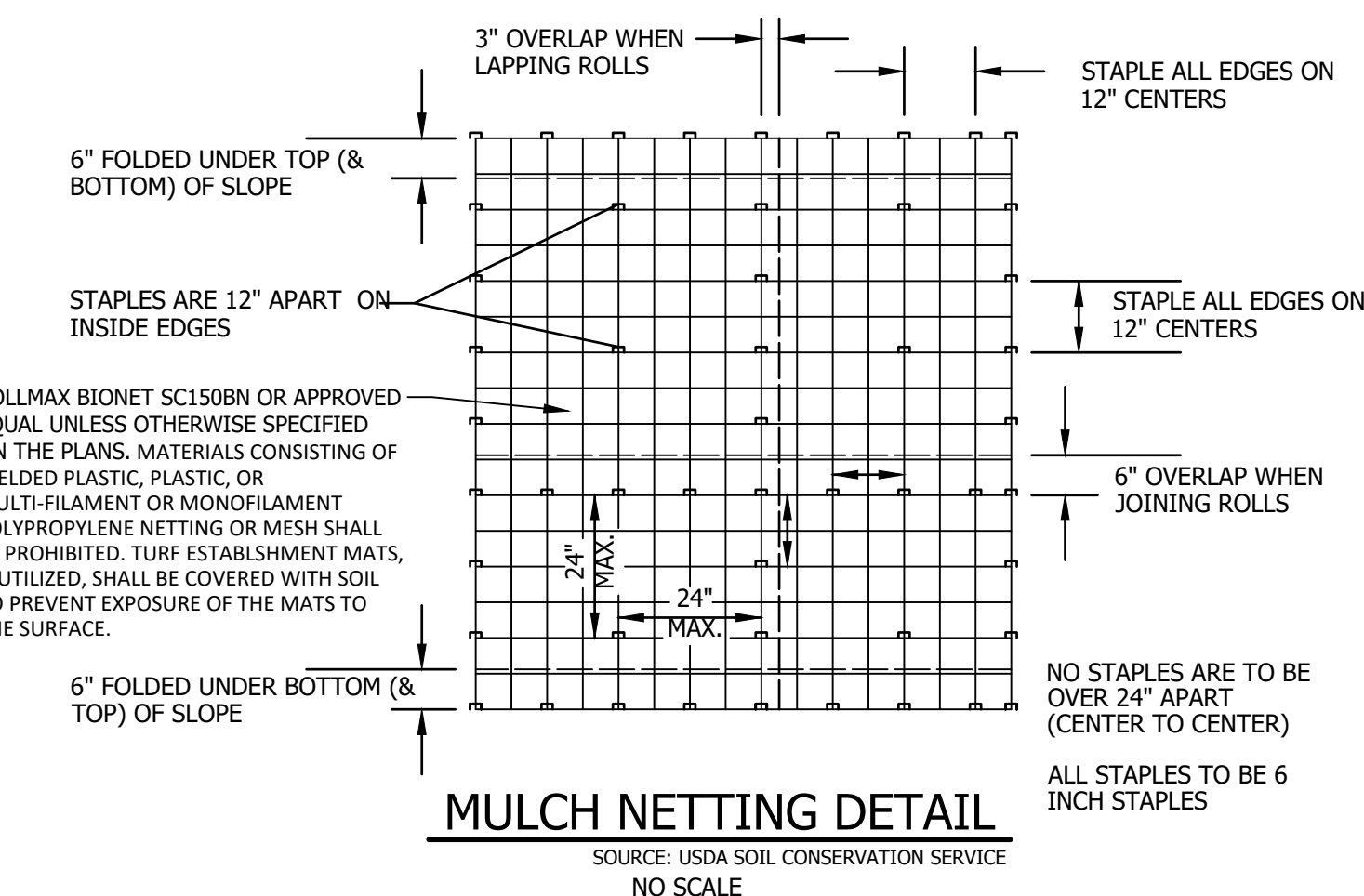
D. SEEDING RATES:	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
A TALL RESCUE	20	0.45
CREeping RED FESCUE	20	0.45
REDTOP	2	0.05
TOTAL:	42	0.95
B TALL FESCUE	15	0.35
CREeping RED FESCUE	10	0.25
CROWN VETCH OR FLATPEA	15 OR 30	0.35 OR 0.75
TOTAL:	40 OR 55	0.95 OR 1.35
C TALL FESCUE	20	0.45
FLATPEA	30	0.75
TOTAL:	50	1.20

- WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO SEPTEMBER 15. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

### F. TEMPORARY SEEDING RATES:

SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	REMARKS
WINTER RYE	112	2.5	BEST FOR FALL SEEDING. SEED FROM AUGUST TO SEPTEMBER 5TH FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	80	2.0	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15TH FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYEGRASS	40	1.0	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. COVER SEED WITH NO MORE THAN 0.25 INCH OF SOIL.
PERENNIAL RYEGRASS	30	0.7	GOOD COVER WHICH IS LONGER LASTING THAN ANNUAL RYEGRASS. SEED BETWEEN APRIL 1ST AND JUNE 1ST AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON. SEED TO A DEPTH OF APPROXIMATELY 0.5 INCH.

- MULCH**  
A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.  
B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING.
- MAINTENANCE TO ESTABLISH A STAND**  
A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.  
B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.  
C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.



## EROSION CONTROL GENERAL NOTES

### A. KEEP SITE MODIFICATION TO A MINIMUM

- CONSIDER FITTING THE BUILDINGS AND STREETS TO THE NATURAL TOPOGRAPHY. THIS REDUCES THE NEED FOR CUTS AND FILLS. AVOID EXTENSIVE GRADING THAT WOULD ALTER DRAINAGE PATTERNS OR CREATE VERY STEEP SLOPES.
- EXPOSE AREAS OF BARE SOIL TO EROSION ELEMENTS FOR THE SHORTEST TIME POSSIBLE.
- SAVE AND PROTECT DESIRABLE EXISTING VEGETATION WHERE POSSIBLE. ERECT BARRIERS TO PREVENT DAMAGE FROM CONSTRUCTION EQUIPMENT.
- LIMIT THE GRADES OF SLOPES SO VEGETATION CAN BE EASILY ESTABLISHED AND MAINTAINED.
- AVOID SUBSTANTIAL INCREASE IN RUNOFF LEAVING THE SITE.

### B. MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES

- STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES MUST BE PROTECTED FROM EROSION.
- PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES.
- USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE MATERIALS FROM MOVING OFF SITE.
- USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM EROSION PRONE AREAS TO POINTS OF SAFE DISPOSAL.
- USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.
- PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE WAYS.

### C. PROTECT AREA AFTER CONSTRUCTION.

- ESTABLISH GRASS OR OTHER SUITABLE VEGETATION ON ALL DISTURBED AREAS. SELECT SPECIES ADAPTED TO THE SITE CONDITIONS AND THE FUTURE USE OF THE AREA. FINAL GRADES SHALL BE SEEDED WITHIN 72 HOURS. STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER.
- MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' DURING THE CONSTRUCTION PERIOD.
- MAINTAIN NEEDED STRUCTURAL 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT FROM DETENTION PONDS AND SEDIMENT BASINS AS NEEDED.
- DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT 'BEST MANAGEMENT PRACTICES'.
- IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, GRADED AREAS ARE TO BE STABILIZED WITH NORTH AMERICAN GREEN DS150 MATTING OR EQUAL.

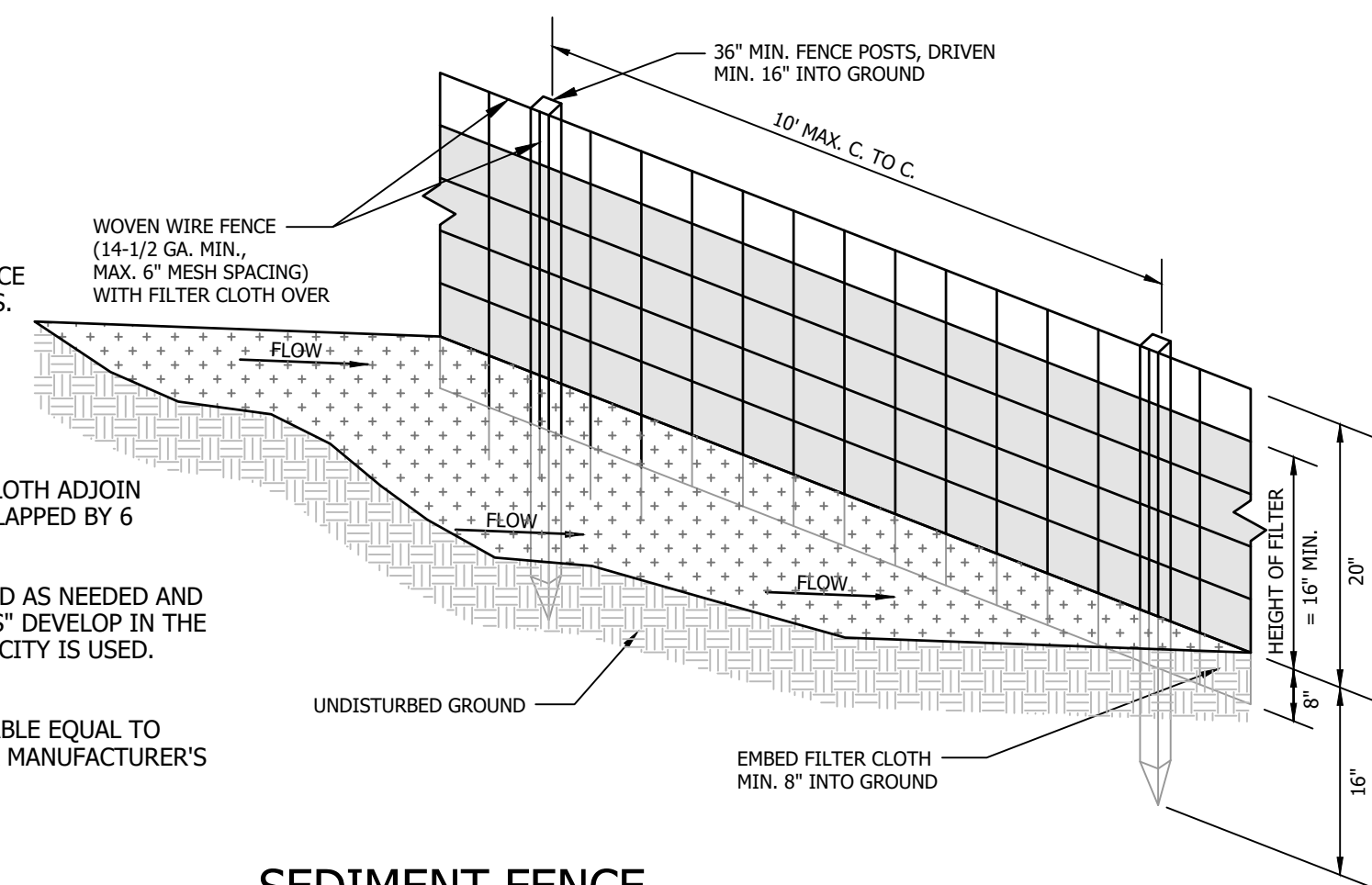
## COLD WEATHER SITE STABILIZATION REQUIREMENTS

TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNOFF, THE FOLLOWING ADDITIONAL STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM NOVEMBER 30 THROUGH MAY 1:

- THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT. THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF A WINTER CONSTRUCTION PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR CPESC SPECIALIST, IS REVIEWED AND APPROVED BY NHDES.
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30, OR WHICH ARE DISTURBED AFTER NOVEMBER 30, SHALL BE SEEDED AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW MULCH PER ACRE, SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30, OR WHICH ARE DISTURBED AFTER NOVEMBER 30, SHALL BE SEEDED AND COVERED WITH PROPERLY INSTALLED AND ANCHORED EROSION CONTROL MATTING OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX, MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H), SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH.
- INSTALLATION OF EROSION CONTROL MATTING SHALL NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.
- ALL PROPOSED STABILIZATION IN ACCORDANCE WITH NOTES 2 OR 3 ABOVE, SHALL BE COMPLETED WITHIN 1 DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY NOVEMBER 30, OR WHICH ARE DISTURBED AFTER NOVEMBER 30, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT.
- AFTER NOVEMBER 30, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3 INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF MDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM NO. 304.1 OR 304.2.

### CONSTRUCTION NOTES FOR SEDIMENT FENCE

- WOVEN WIRE FENCE, IF REQUIRED, TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SEDIMENT FENCE, OR 50% OF CAPACITY IS USED.
- FILTREXX SILT/SOXX SHALL BE CONSIDERED AN ACCEPTABLE EQUAL TO SEDIMENT FENCE IF INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

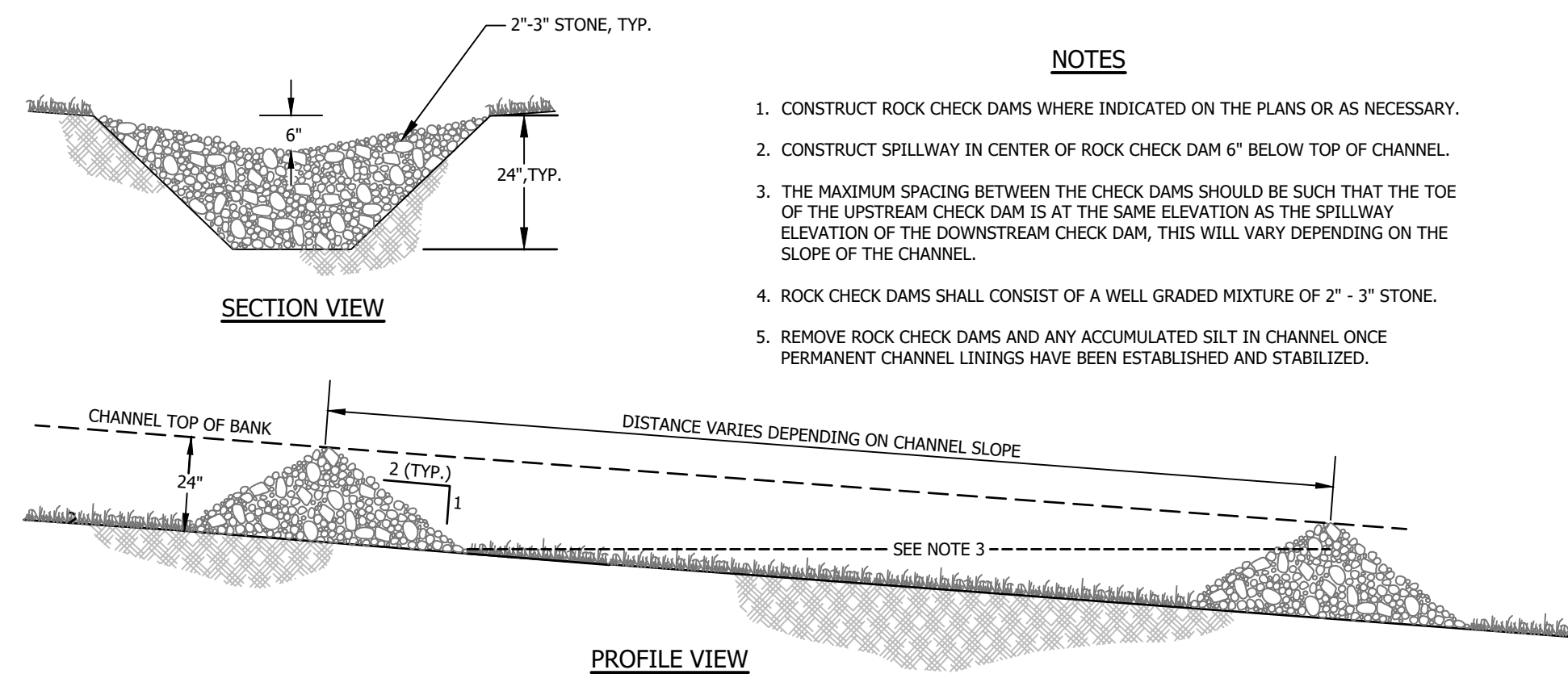


### SEDIMENT FENCE

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### NOTES

- CONSTRUCT ROCK CHECK DAMS WHERE INDICATED ON THE PLANS OR AS NECESSARY.
- CONSTRUCT SPILLWAY IN CENTER OF ROCK CHECK DAM 6" BELOW TOP OF CHANNEL.
- THE MAXIMUM SPACING BETWEEN THE CHECK DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM CHECK DAM IS AT THE SAME ELEVATION AS THE SPILLWAY ELEVATION OF THE DOWNSTREAM CHECK DAM, THIS WILL VARY DEPENDING ON THE SLOPE OF THE CHANNEL.
- ROCK CHECK DAMS SHALL CONSIST OF A WELL GRADED MIXTURE OF 2" - 3" STONE.
- REMOVE ROCK CHECK DAMS AND ANY ACCUMULATED SILT IN CHANNEL ONCE PERMANENT CHANNEL LININGS HAVE BEEN ESTABLISHED AND STABILIZED.



### ROCK CHECK DAM DETAIL

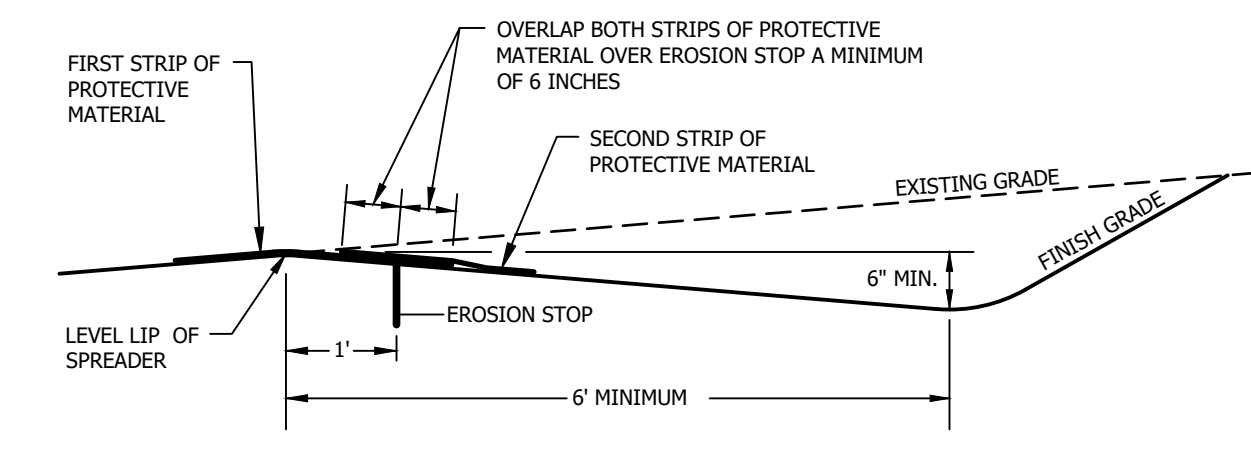
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## CONSTRUCTION SEQUENCE

- PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- INSTALL CONSTRUCTION ENTRANCE, SEE DETAIL.
- CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.
- INSTALL SEDIMENT FENCES, ROCK CHECK DAMS, AND OTHER APPROPRIATE EROSION CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLANS AND AS NEEDED.
- GRUB SITE WITHIN GRADING LIMITS.
- STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.
- INSTALL SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS REQUIRED.
- CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL. DO NOT DIRECT STORMWATER TOWARD TREATMENT SWALES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED.
- PROCEED WITH WORK. LIMITING THE DURATION OF DISTURBANCE. THE MAXIMUM WORK UNIT AREA SHALL BE FIVE ACRES IN SIZE. THE MAXIMUM LENGTH OF TIME THAT A WORK UNIT MAY BE LEFT UNSTABILIZED IS 45 DAYS.
- BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.  
AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:  
A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;  
B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;  
C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR  
D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- INSPECT ALL EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.5 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.
- PLACE TOPSOIL, SEED AND MULCH.
- COMPLETE ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.
- MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.

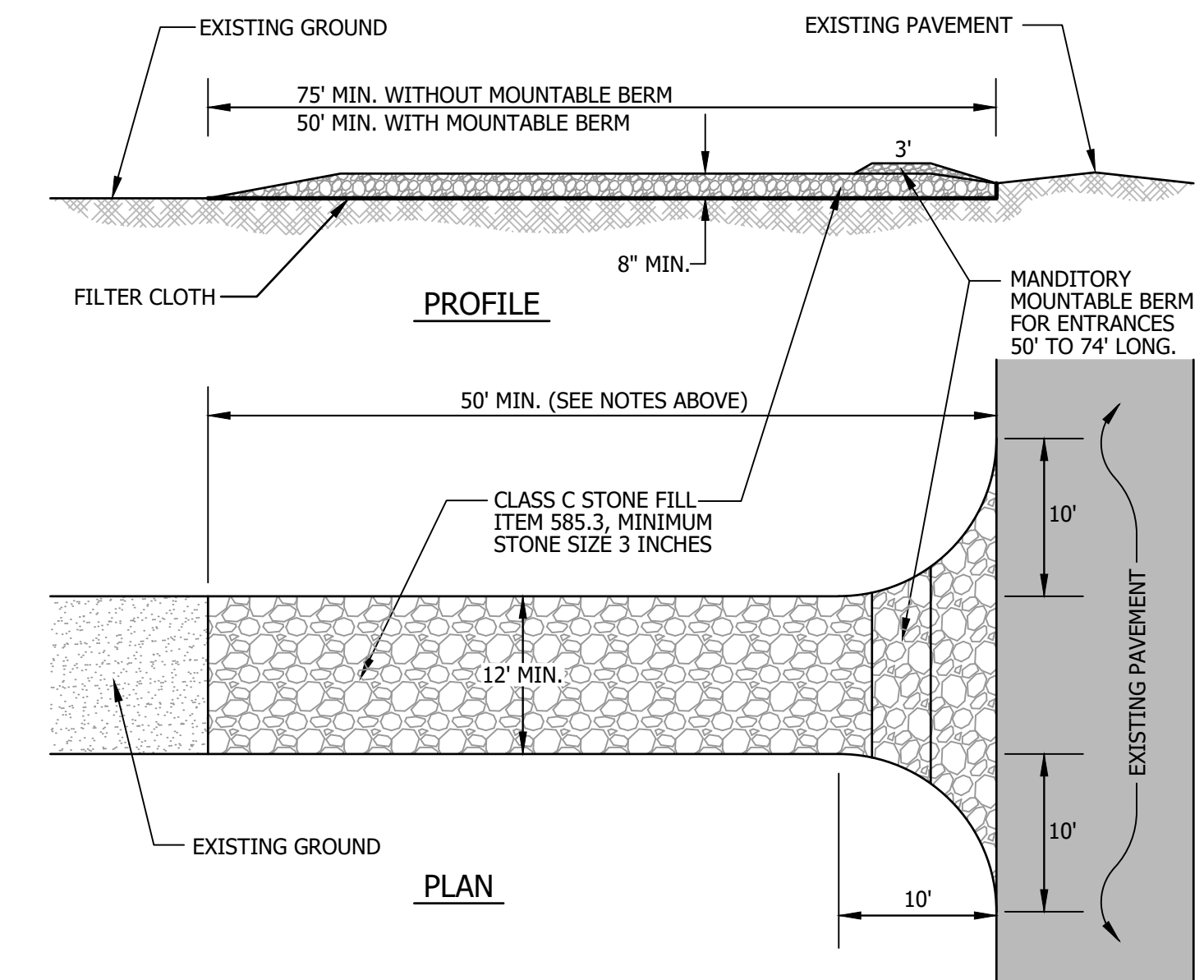
## LEVEL LIP SPREADER INSTALLATION

- CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
- AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SLIT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
- THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCELSTOR MATTING ALONG THE LIP. EACH STRIP SHALL OVERLAP THE EROSION STOP BY AT LEAST SIX INCHES.
- THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST 50 FEET BEFORE ENTERING INTO THE SPREADER.
- THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.
- PROTECTIVE MATERIAL AND EROSION STOP SHALL BE NORTH AMERICAN GREEN C125 EROSION CONTROL BLANKET OR APPROVED EQUAL.



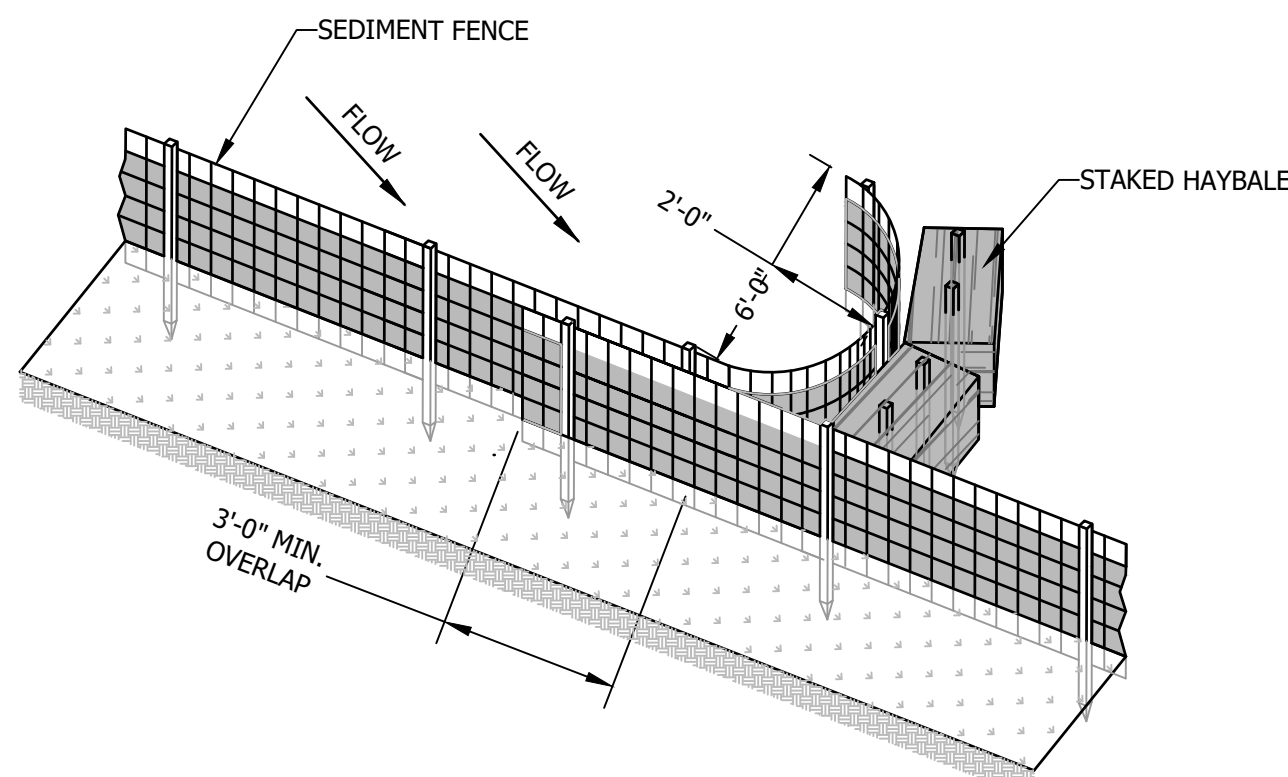
### LEVEL SPREADER DETAIL

NO SCALE  
SOURCE: ROCKINGHAM COUNTY CONSERVATION SERVICE



### STABILIZED CONSTRUCTION ENTRANCE / EXIT

NOT TO SCALE



### SEDIMENT FENCE POCKET

NO SCALE

### ENHANCED EROSION AND SEDIMENT CONTROL AREAS

- ALL WORK AREAS LYING WITHIN 100' UPGRADEMENT OF WETLANDS OR STREAMS SHALL BE SUBJECT TO ENHANCED MANAGEMENT TECHNIQUES TO PREVENT EROSION AND CAPTURE SEDIMENT FROM SUCH WORK AREAS. IN SUCH AREAS THE FOLLOWING ADDITIONAL STANDARDS SHALL APPLY:
- WOOD CHIPS FROM CLEARING OPERATIONS SHOULD BE STOCKPILED WITHIN OR ADJACENT TO SUCH AREAS TO BE READILY ACCESSIBLE AND AVAILABLE FOR USE AS A SEDIMENT BARRIER FROM THE TIME OF GRUBBING TO THE TIME IN WHICH EARTH HAS BEEN STABILIZED.
  - SEED AND WEED-FREE MULCH SHALL BE APPLIED TO ALL CUT AND FILL SLOPES WITHIN 72 HOURS OF GRADING OR SOONER IF SIGNIFICANT STORM EVENTS ARE ANTICIPATED.
  - CULVERTS SHALL HAVE INLET AND OUTLET SCOUR PROTECTION FEATURES INSTALLED WITHIN 72 HOURS OF CULVERT INSTALLATION.
  - FILTER BERMS SHALL BE INSTALLED AND RUNOFF DIRECTED TO THEM WITHIN 72 HOURS OF ACHIEVING FINISH GRADES.

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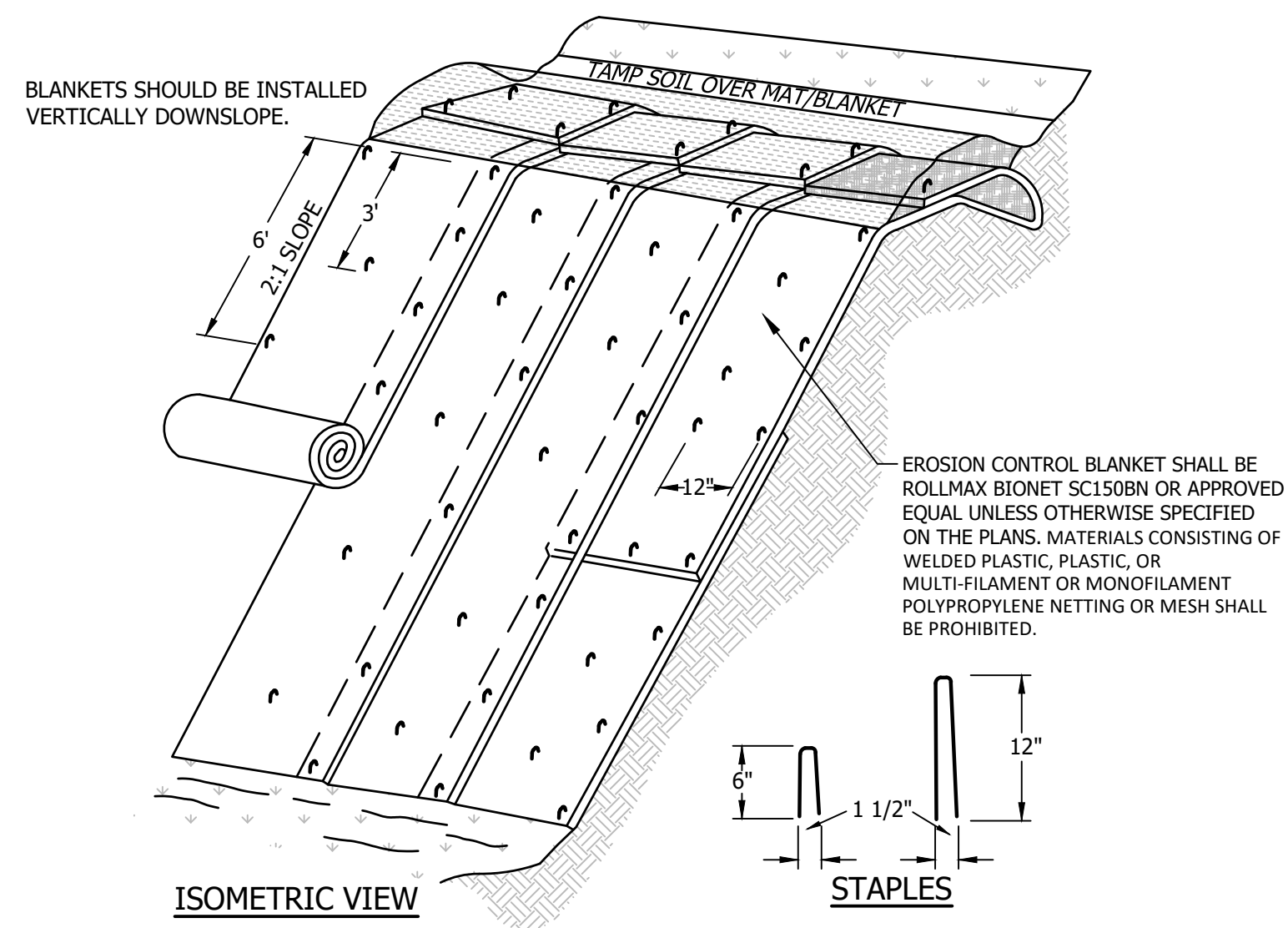
PROJECT #:	DATE:	MAP LOT (OR ARCHIVE):	SURVEYED BY:	ENGINEERED BY:	DRAWN BY:	CHECKED BY:	
17056 / 220115	FEB 2023		HEI	NSG	KRP/NSG	DEB	
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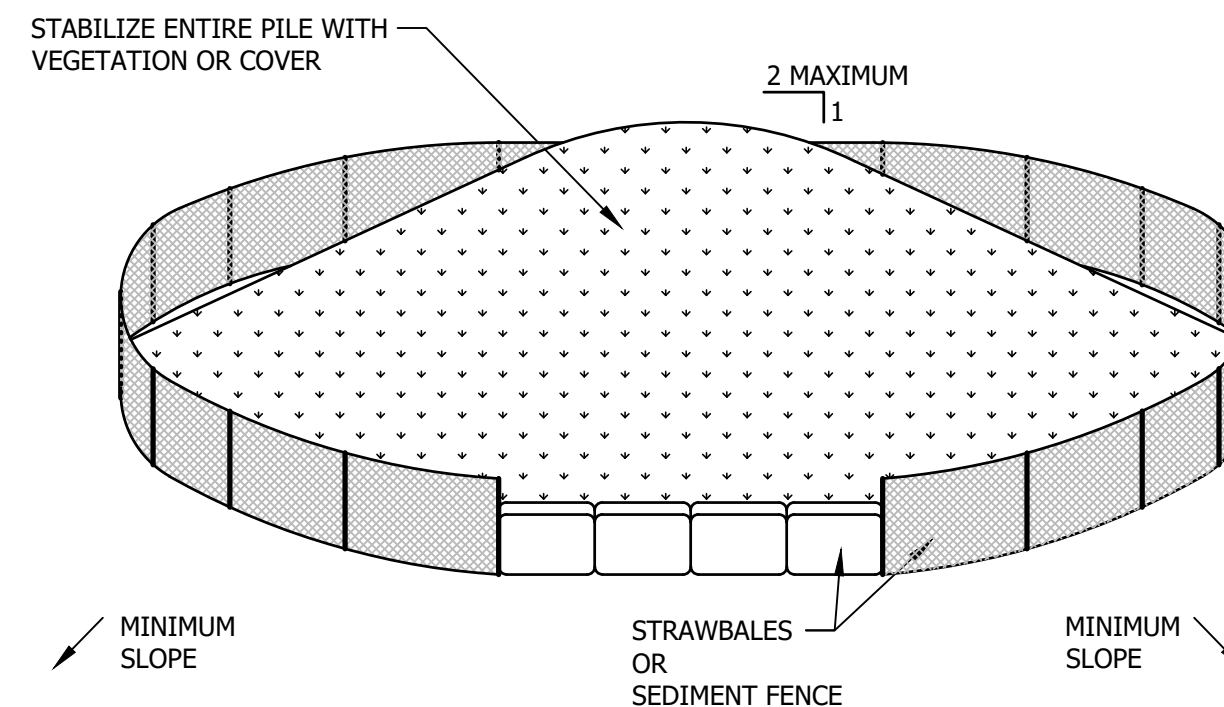
DIXVILLE CAPITAL, LLC  
DIXVILLE, COOS COUNTY, NEW HAMPSHIRE  
THE BALSAMS - SKI LIFT AND TRAILS

EROSION CONTROL NOTES AND DETAILS





- NOTES:**
- DIMENSION GIVEN IN THE DRAWINGS ARE EXAMPLES; DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
  - APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
  - LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.



SOIL STOCKPILING IS TO BE USED WHERE TOPSOIL IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS.

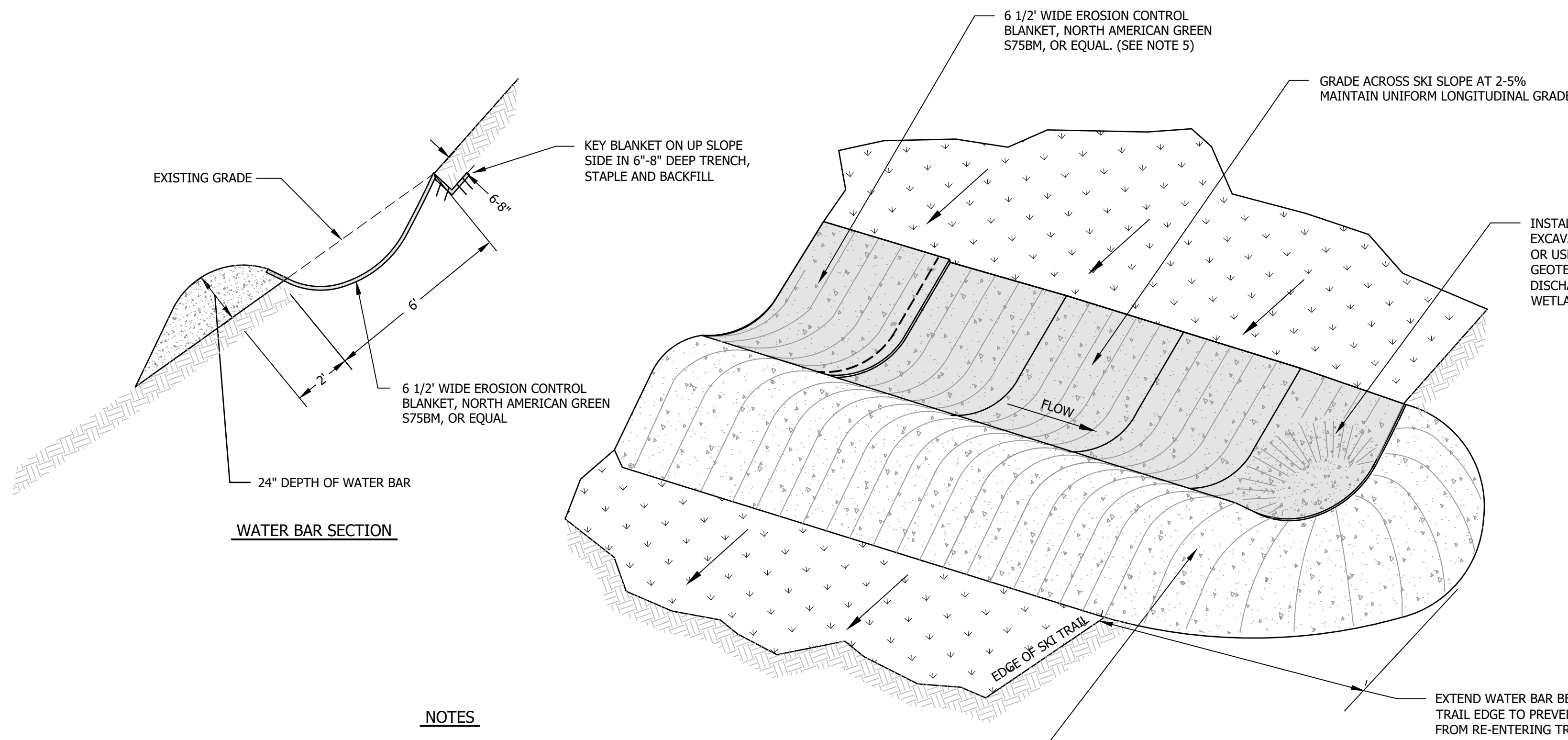
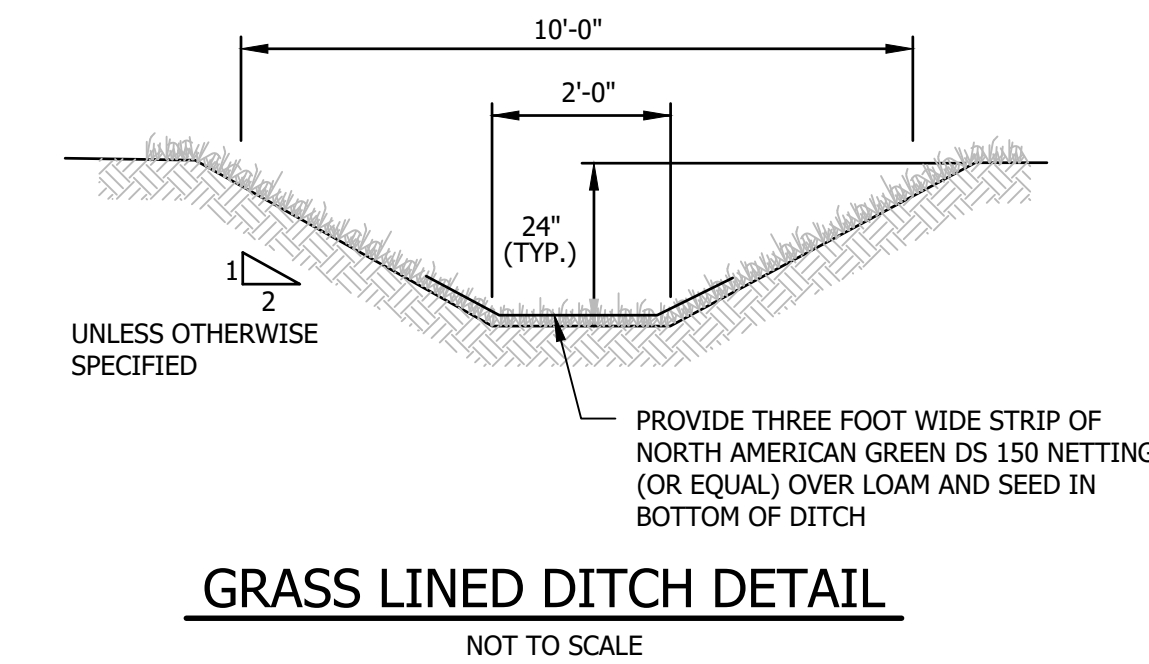
TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVERS, MULCH, NON-VEGETATIVE COVERS, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED PERIOD OF USE.

**INSTALLATION NOTES:**

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES AND THEN STABILIZED WITH VEGETATION OR COVERED.

**SOIL STOCKPILING DETAIL**

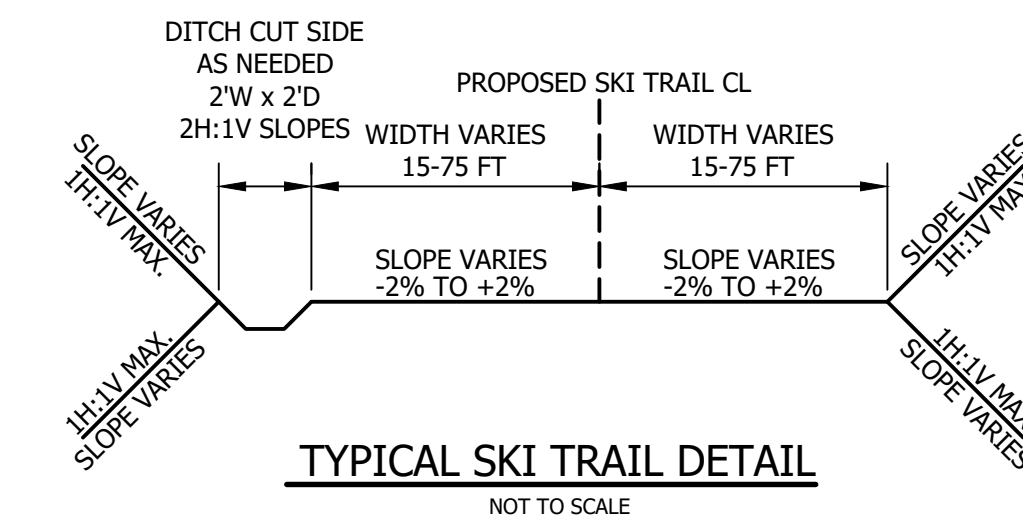
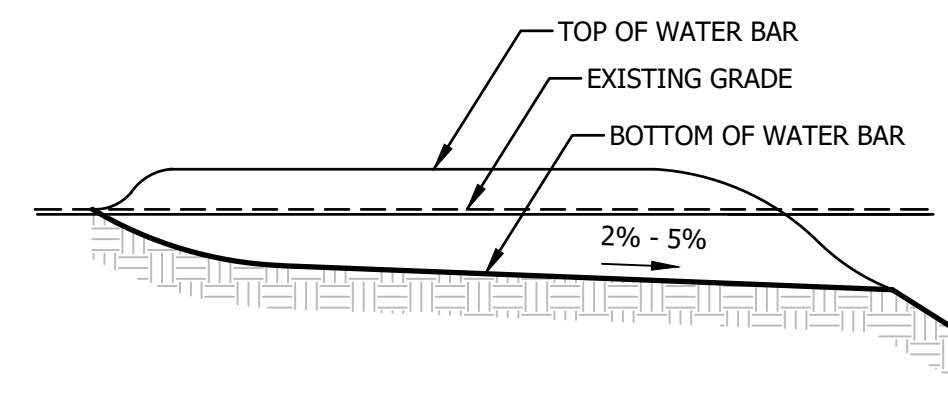
NOT TO SCALE



**WATER BAR SECTION**

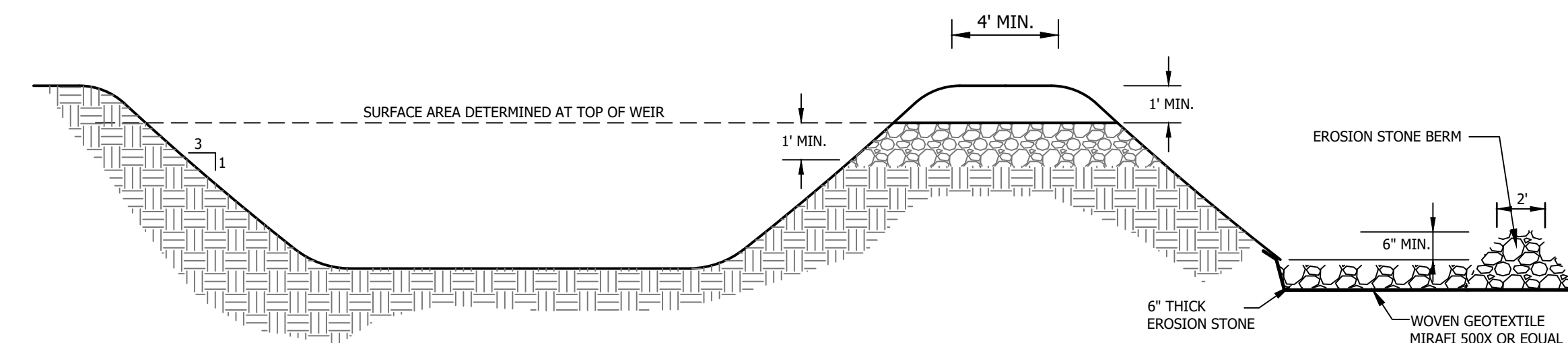
**NOTES:**

- LOCATE WATER BARS CAREFULLY. DIVERT WATER INTO NATURAL UNDISTURBED GROUND.
- WATER BARS ON SKI SLOPES SHALL BE IN LOCATIONS SHOWN IN PLANS. CONTRACTOR SHALL INSTALL ADDITIONAL WATER BARS (AS NEEDED) TO MAINTAIN SLOPE STABILITY.
- SEDIMENT TRAPS SHOULD BE CONSTRUCTED AT THE END OF ALL WATER BARS, IF SUCH WATER BARS DISCHARGE WITHIN 100' OF WETLANDS OR STREAMS.
- WATER BARS SHALL BE MACHINE COMPACTED AND SHOULD NOT CONTAIN FOREIGN MATERIAL OR LOOSE ROCKS AND ROOTS.
- WATER BARS MAY BE STABILIZED WITH SEED AND MULCH WHERE FEASIBLE. IF EROSION MAT IS NOT USED AND EROSION OCCURS IN THE WATER BAR, THE WATER BAR SHALL BE REPAIRED AND LINED WITH EROSION CONTROL BLANKET, NORTH AMERICAN GREEN S75BN OR APPROVED EQUAL.
- SEED, MULCH, AND STABILIZE IMMEDIATELY AFTER SOIL DISTURBANCE.



**NOTES:**

- SKI TRAIL DETAIL REFLECTS FINISHED GRADE OF TRAILS WITH SNOW COVERED SURFACE. ACTUAL SITE GRADES MAY NOT REFLECT TYPICAL SKI TRAIL DETAIL.
- ACTUAL SITE GRADES THAT DO NOT REFLECT TYPICAL SKI TRAIL DETAIL SHALL HAVE SNOW BLOWN OVER THE EXISTING GRADE TO MATCH THE PARAMETERS OF THE SKI TRAIL DETAIL.



**NOTES:**

- SEDIMENTS TRAPS SHALL BE CONSTRUCTED AS NECESSARY TO CAPTURE RUNOFF DURING CONSTRUCTION. BASINS SHALL BE ELIMINATED/ BACKFILLED ONCE CONTRIBUTING DRAINAGE AREAS ARE STABLE. THE INFILTRATION BASIN IS CONSTRUCTED, AND PROPOSED GRADES AREA ACHIEVED.
- THE TRAP SHALL BE INSTALLED AS CLOSE TO THE DISTURBED AREA AS POSSIBLE.
- THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
- THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
- THE SIDESLOPES SHALL BE 3:1 OR FLATTER, AND SHALL BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
- THE OUTLET OF THE TRAP SHALL BE A MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP AND SHALL DISCHARGE TO A STABILIZED AREA.
- THE TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.
- THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED AND STABILIZED.

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