

**PROFILE LAKE  
ADA-ACCESSIBLE TRAIL DESIGN**

February 6, 2017

Located at :

**Profile Lake; Franconia Notch  
FRANCONIA, NEW HAMPSHIRE**

PREPARED FOR:

Northern New England Field Services  
71 Piper Hill Road  
Stewartstown, NH 03576

OWNER:

State of New Hampshire  
Department of Resources  
& Economic Development  
172 Pembrok Road  
Concord, NH 03301

ENGINEER:

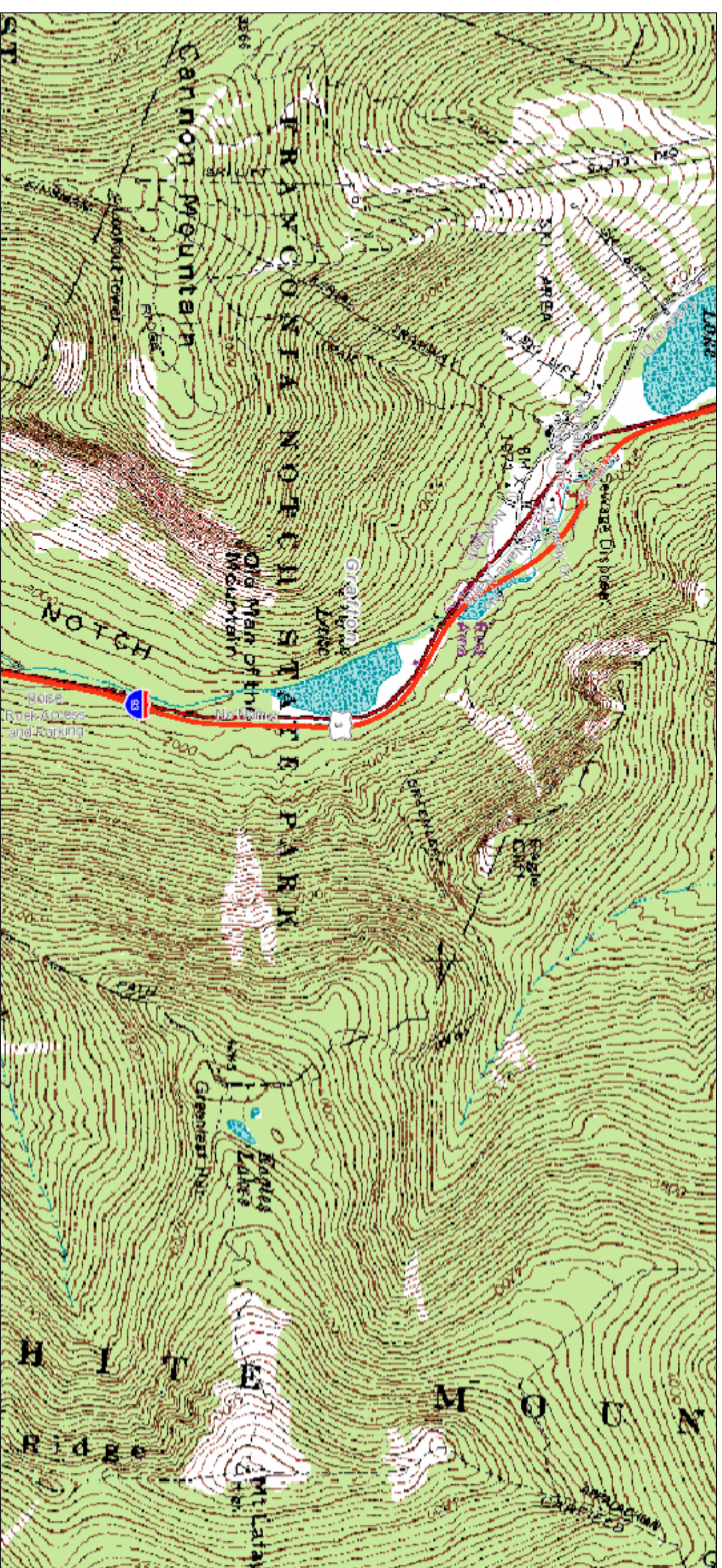
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SURVEYOR:

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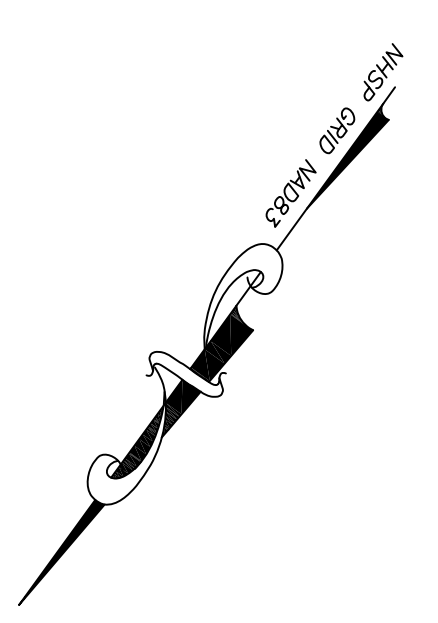
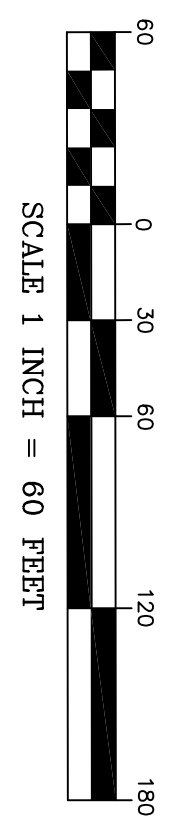
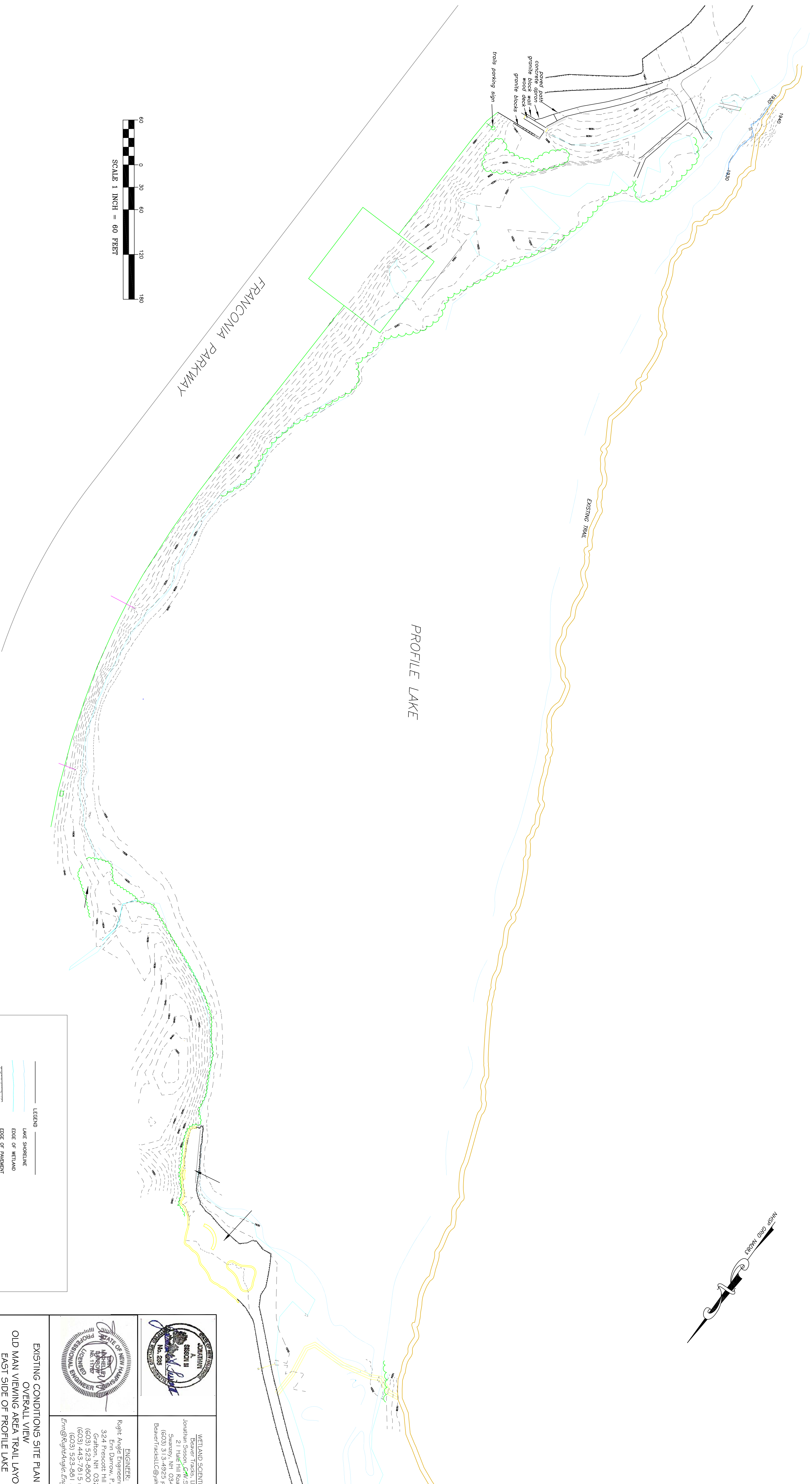


**LOCUS MAP  
NOT-TO-SCALE**

SHEET INDEX

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NO.	DATE	DESCRIPTION	BY
1			



**LEGEND**

- LAKE SHORELINE
- EDGE OF WETLAND
- EDGE OF PARADISE
- 1934 GRADE CONTOUR
- EXISTING TRAIL

NO.	DATE	DESCRIPTION	BY
1			

**GENERAL NOTES**

1. THIS PLAN HAS BEEN PREPARED FOR REVIEW BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES FOR THE DREDGE AND FILL AND SHORELAND PERMIT REVIEWS.
2. SITE SURVEY DATA COLLECTED BY YORK LAND SURVEY IN 2016. ELEVATION DATA IS INSTRUMENT DETERMINED ON SITE AND IS BASED ON THE NAVD 88 DATUM, IN THE NH STATE PLANE COORDINATE SYSTEM (US FEET), NAD 83/86.
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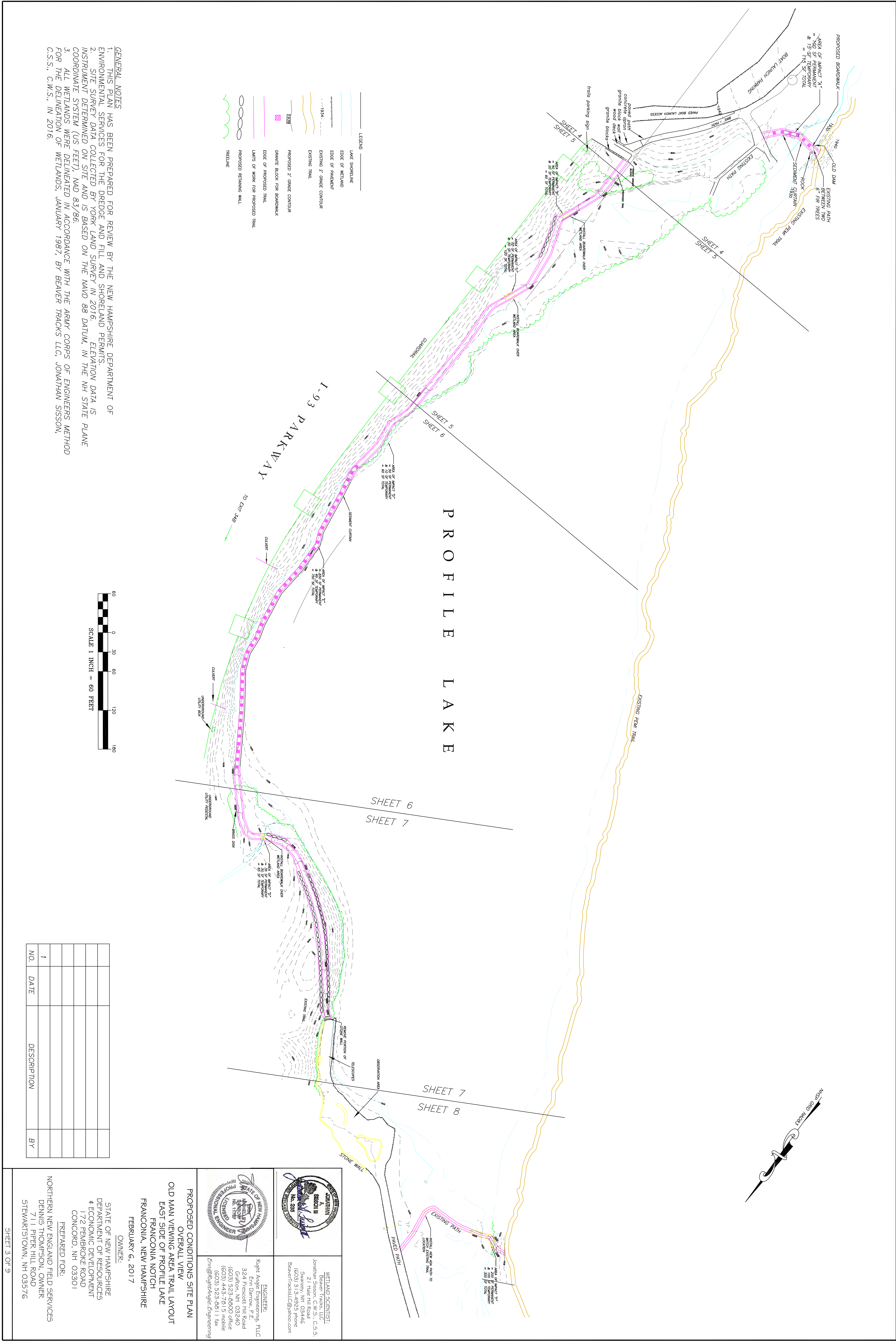
**WETLAND SCIENTIST:**  
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 BEAVER TRACKS LLC  
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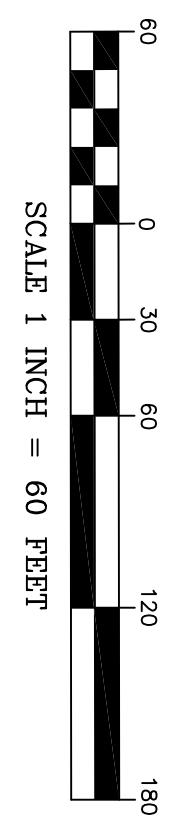
**EXISTING CONDITIONS SITE PLAN OVERALL VIEW**  
 OLD MAN VIEWING AREA TRAIL LAYOUT  
 EAST SIDE OF PROFILE LAKE  
 FRANCONIA NOTCH  
 FRANCONIA, NEW HAMPSHIRE  
 FEBRUARY 6, 2017

**OWNER:**  
 STATE OF NEW HAMPSHIRE  
 DEPARTMENT OF RESOURCES  
 & ECONOMIC DEVELOPMENT  
 172 FEVERBROKE ROAD  
 CONCORD, NH 03301

**PREPARED FOR:**  
 NORTHERN NEW ENGLAND FIELD SERVICES  
 DENNIS THOMPSON, OWNER  
 711 PIPER HILL ROAD  
 STEWARTSTOWN, NH 03576



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NO.	DATE	DESCRIPTION	BY
1			

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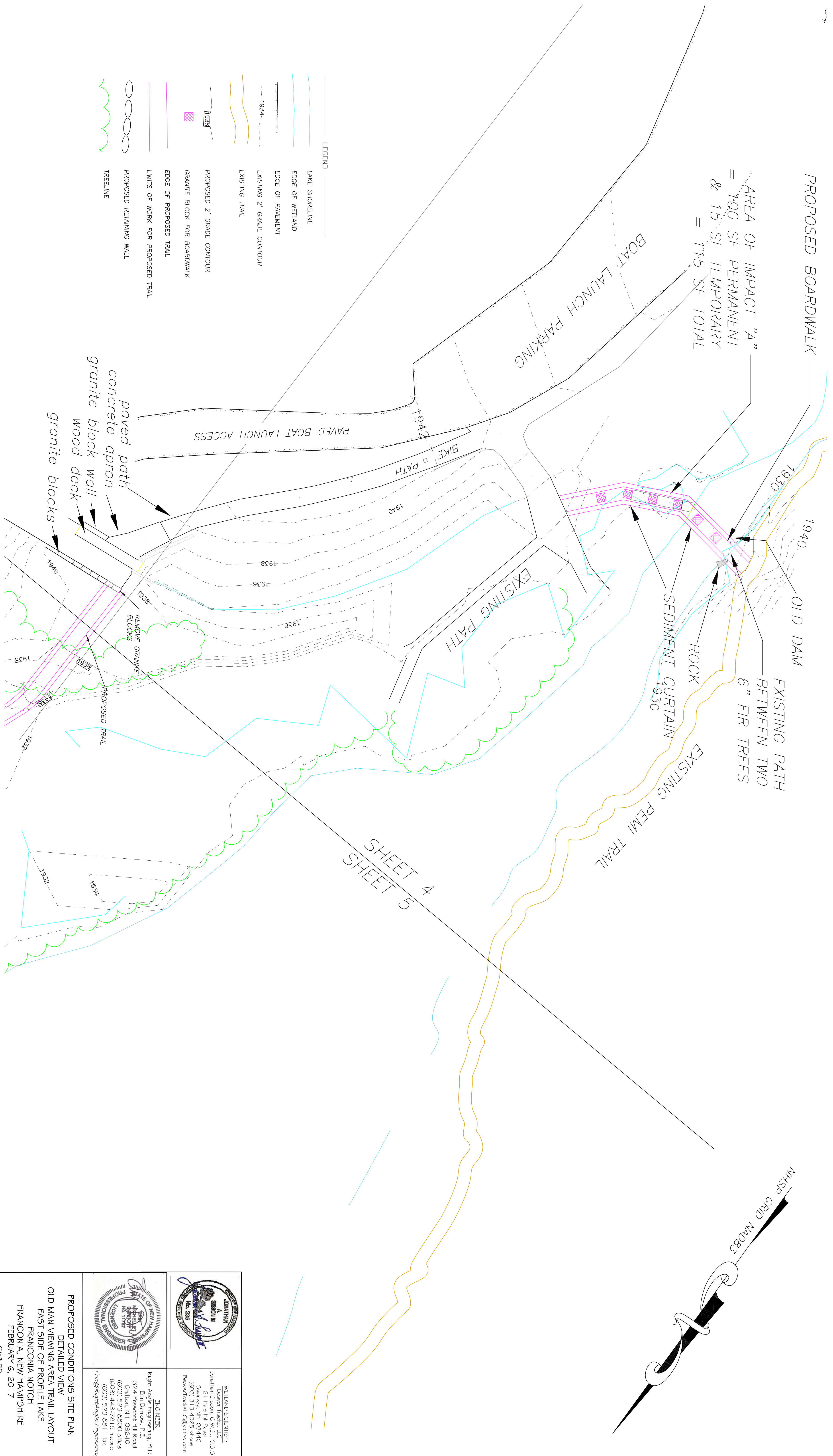
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**PROPOSED CONDITIONS SITE PLAN**  
 OVERALL VIEW  
 OLD MAN VIEWING AREA TRAIL LAYOUT  
 EAST SIDE OF PROFILE LAKE  
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 FRANCONIA, NEW HAMPSHIRE  
 FEBRUARY 6, 2017

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 172 FEWBROKE ROAD  
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AREA OF IMPACT "A"  
 = 100 SF PERMANENT  
 & 15 SF TEMPORARY  
 = 115 SF TOTAL

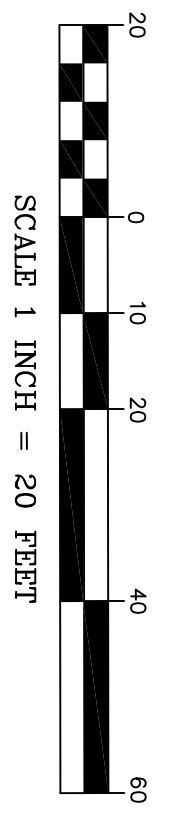


SHEET 4  
 SHEET 5

NHSP GRID M4D83

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- LEGEND**
- LAKE SHORELINE
  - EDGE OF WETLAND
  - EDGE OF PAVEMENT
  - EXISTING 2' GRADE CONTOUR
  - EXISTING TRAIL
  - PROPOSED 2' GRADE CONTOUR
  - GRANITE BLOCK FOR BOARDWALK
  - EDGE OF PROPOSED TRAIL
  - LIMITS OF WORK FOR PROPOSED TRAIL
  - PROPOSED REMAINING WALL
  - TREELINE



NO.	DATE	DESCRIPTION	BY
1			

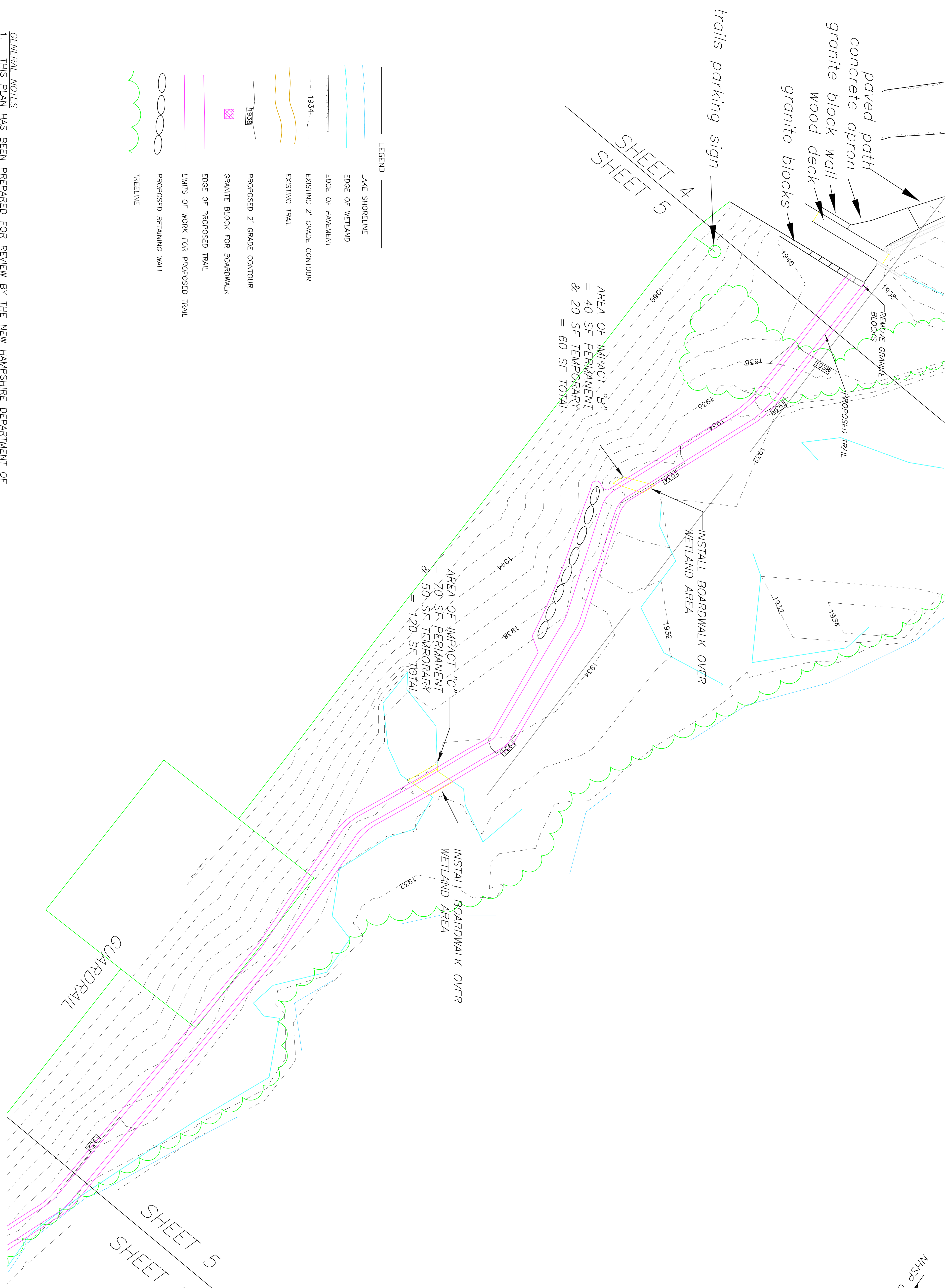
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**PROPOSED CONDITIONS SITE PLAN  
 DETAILED VIEW  
 OLD MAN VIEWING AREA TRAIL LAYOUT  
 EAST SIDE OF PROFILE LAKE  
 FRANCONIA NOTCH  
 FRANCONIA, NEW HAMPSHIRE  
 FEBRUARY 6, 2017**

**OWNER:**  
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 CONCORD, NH 03301

**PREPARED FOR:**  
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 DENNIS THOMPSON, OWNER  
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 STEWARTSTOWN, NH 03576



- LEGEND**
- LAKE SHORELINE
  - EDGE OF WETLAND
  - EDGE OF PAVEMENT
  - EXISTING 2' GRADE CONTOUR
  - EXISTING TRAIL
  - PROPOSED 2' GRADE CONTOUR
  - GRANITE BLOCK FOR BOARDWALK
  - EDGE OF PROPOSED TRAIL
  - LIMITS OF WORK FOR PROPOSED TRAIL
  - PROPOSED REMAINING WALL
  - TREELINE

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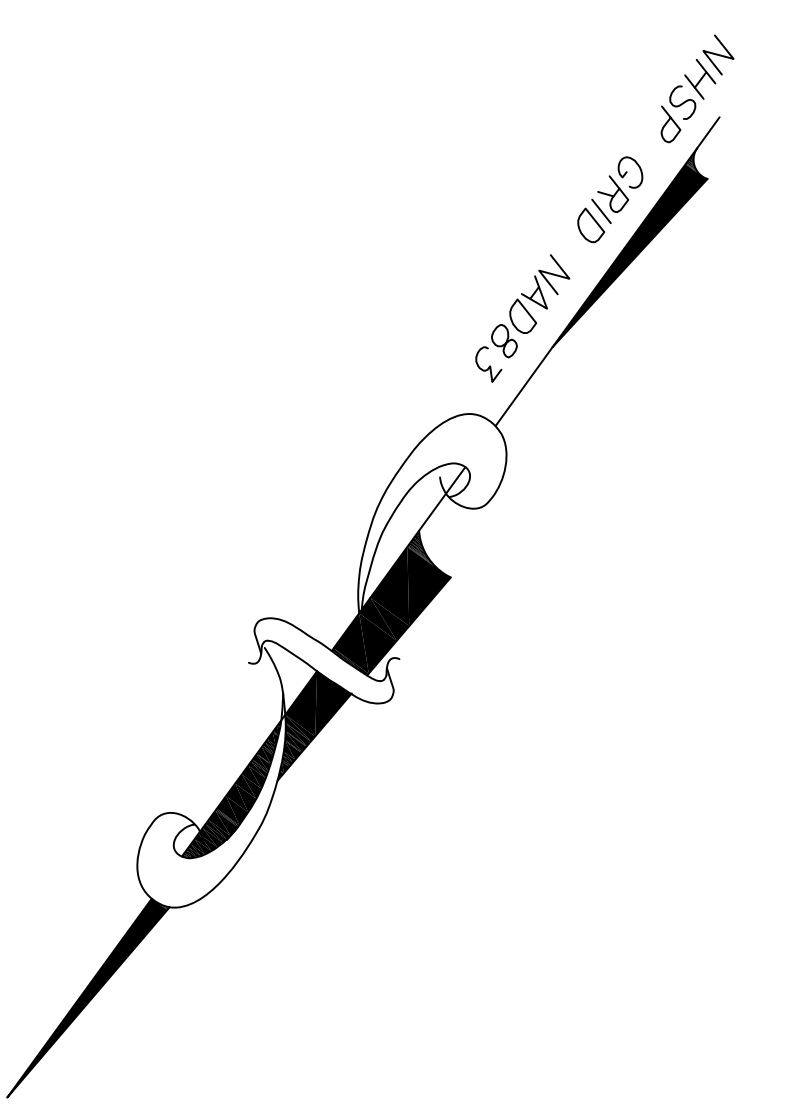
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EAST SIDE OF PROFILE LAKE  
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711 PIPER HILL ROAD  
STEWARTSTOWN, NH 03576

SHEET 5  
SHEET 6



- LEGEND
- LAKE SHORELINE
  - EDGE OF WETLAND
  - EDGE OF PAVEMENT
  - EXISTING 2' GRADE CONTOUR
  - EXISTING TRAIL
  - PROPOSED 2' GRADE CONTOUR
  - GRANITE BLOCK FOR BOARDWALK
  - EDGE OF PROPOSED TRAIL
  - LIMITS OF WORK FOR PROPOSED TRAIL
  - PROPOSED RETAINING WALL
  - TREE LINE

# P R O F I L E L A K E

SHEET 6  
SHEET 7

I-93 PARKWAY

TO EXIT 34B

GUARDRAIL

SEDIMENT CURTAIN

AREA OF IMPACT "D"  
= 50 SF PERMANENT  
& 10 SF TEMPORARY  
= 60 SF TOTAL

AREA OF IMPACT "E"  
= 650 SF PERMANENT  
& 40 SF TEMPORARY  
= 750 SF TOTAL

CULVERT

CULVERT

UNDERGROUND  
UTILITY BOX

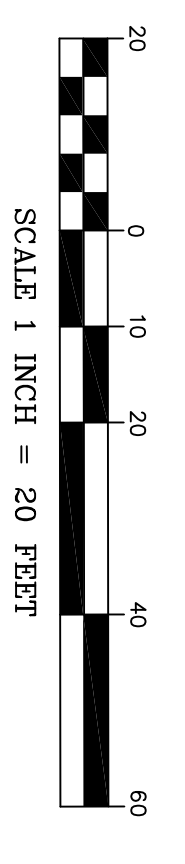
UNDERGROUND  
UTILITY PEDESTAL

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STATE OF NEW HAMPSHIRE  
PROFESSIONAL ENGINEER  
JONATHAN SISSON  
No. 288

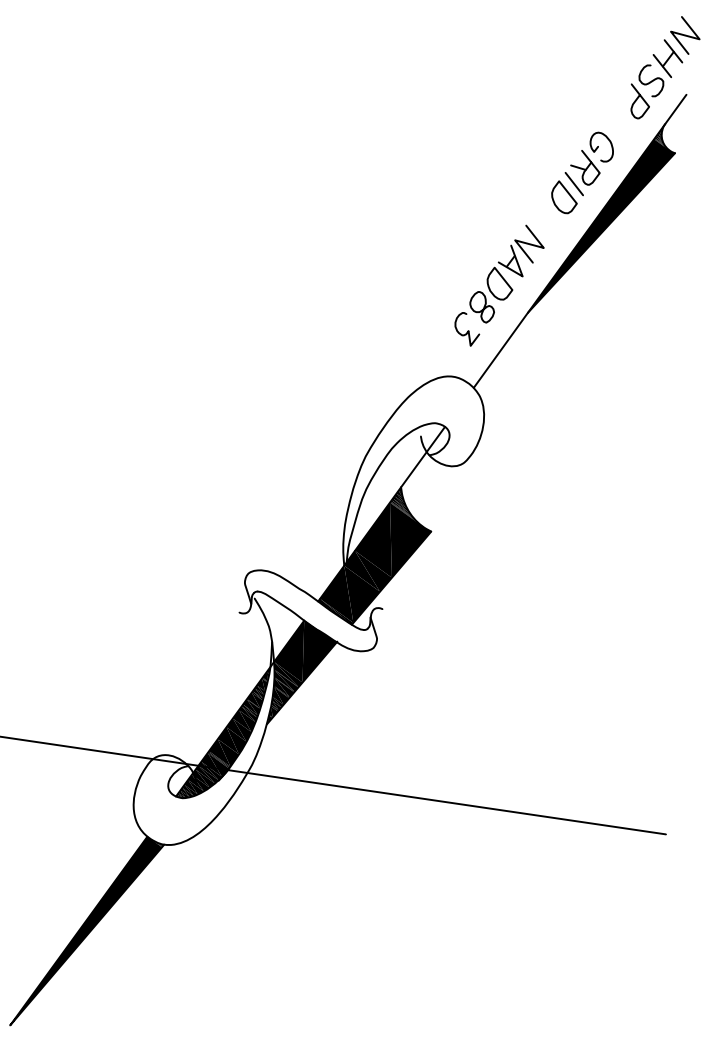
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PROPOSED CONDITIONS, SITE PLAN  
DETAILED VIEW  
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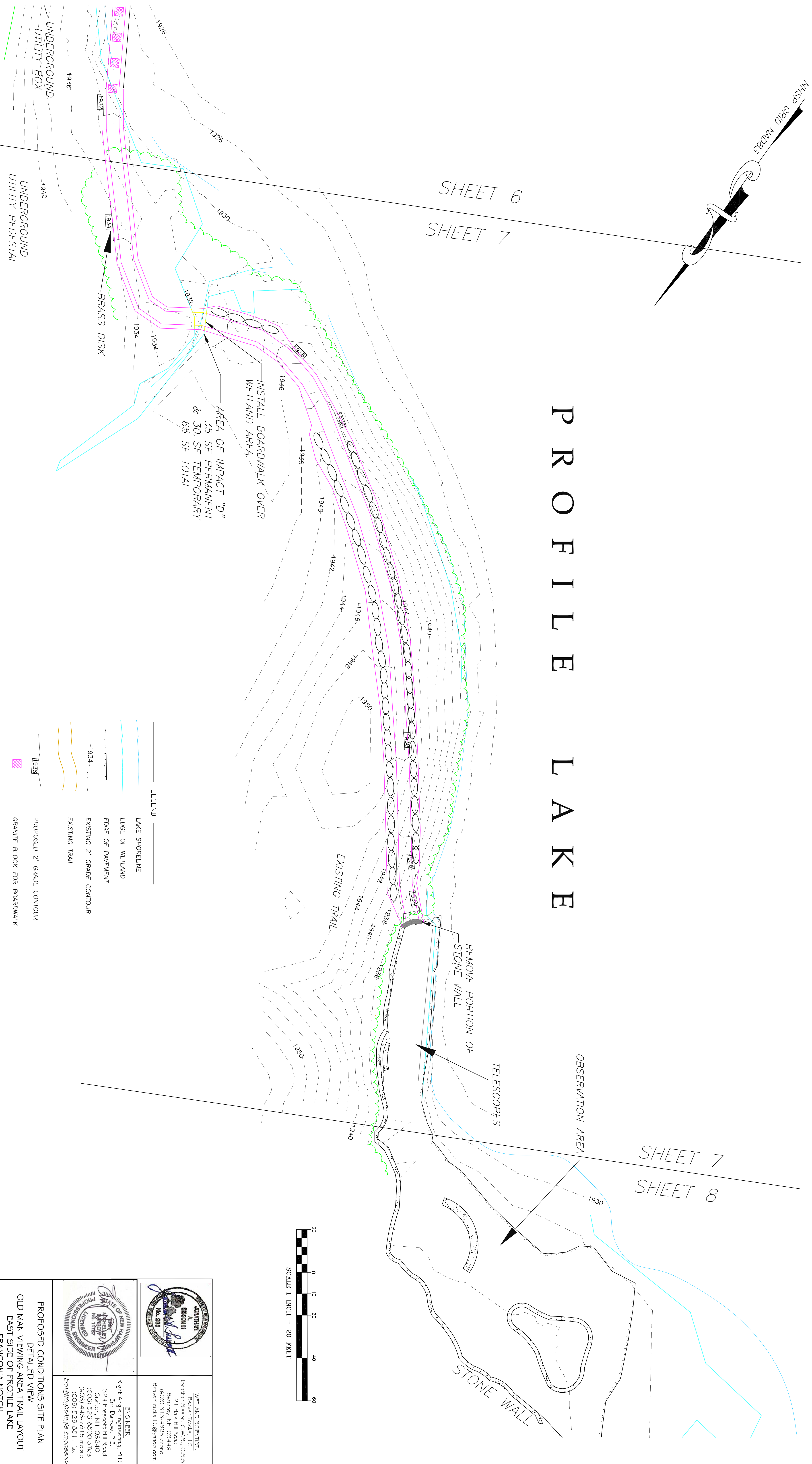
PREPARED FOR:  
NORTHERN NEW ENGLAND FIELD SERVICES  
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711 PIPER HILL ROAD  
STEWARTSTOWN, NH 03576



SHEET 6  
SHEET 7

# P R O F I L E L A K E

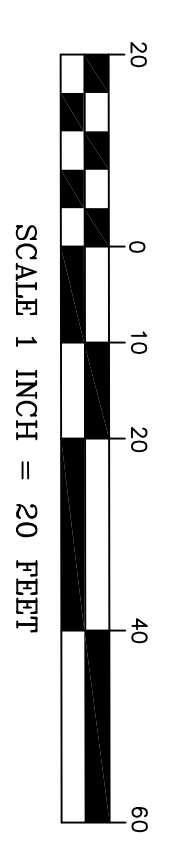
SHEET 7  
SHEET 8



AREA OF IMPACT "D"  
= 35 SF PERMANENT  
& 30 SF TEMPORARY  
= 65 SF TOTAL

LEGEND

	LAKE SHORELINE
	EDGE OF WETLAND
	EDGE OF PAVEMENT
	EXISTING 2' GRADE CONTOUR
	EXISTING TRAIL
	PROPOSED 2' GRADE CONTOUR
	GRANITE BLOCK FOR BOARDWALK
	EDGE OF PROPOSED TRAIL
	LIMITS OF WORK FOR PROPOSED TRAIL
	PROPOSED RETAINING WALL
	TREELINE



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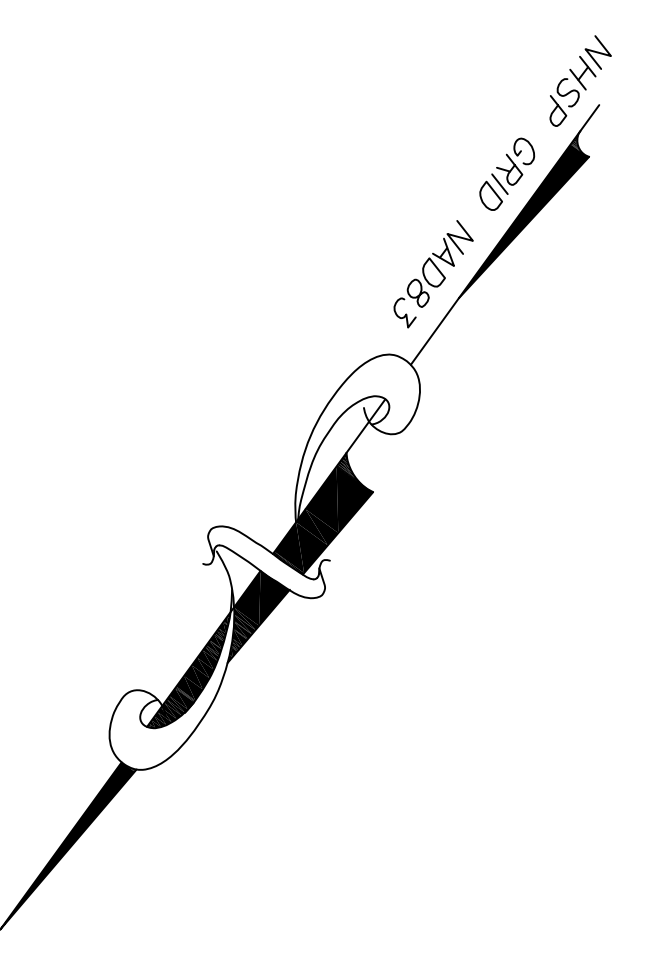
**WETLAND SCIENTIST:**  
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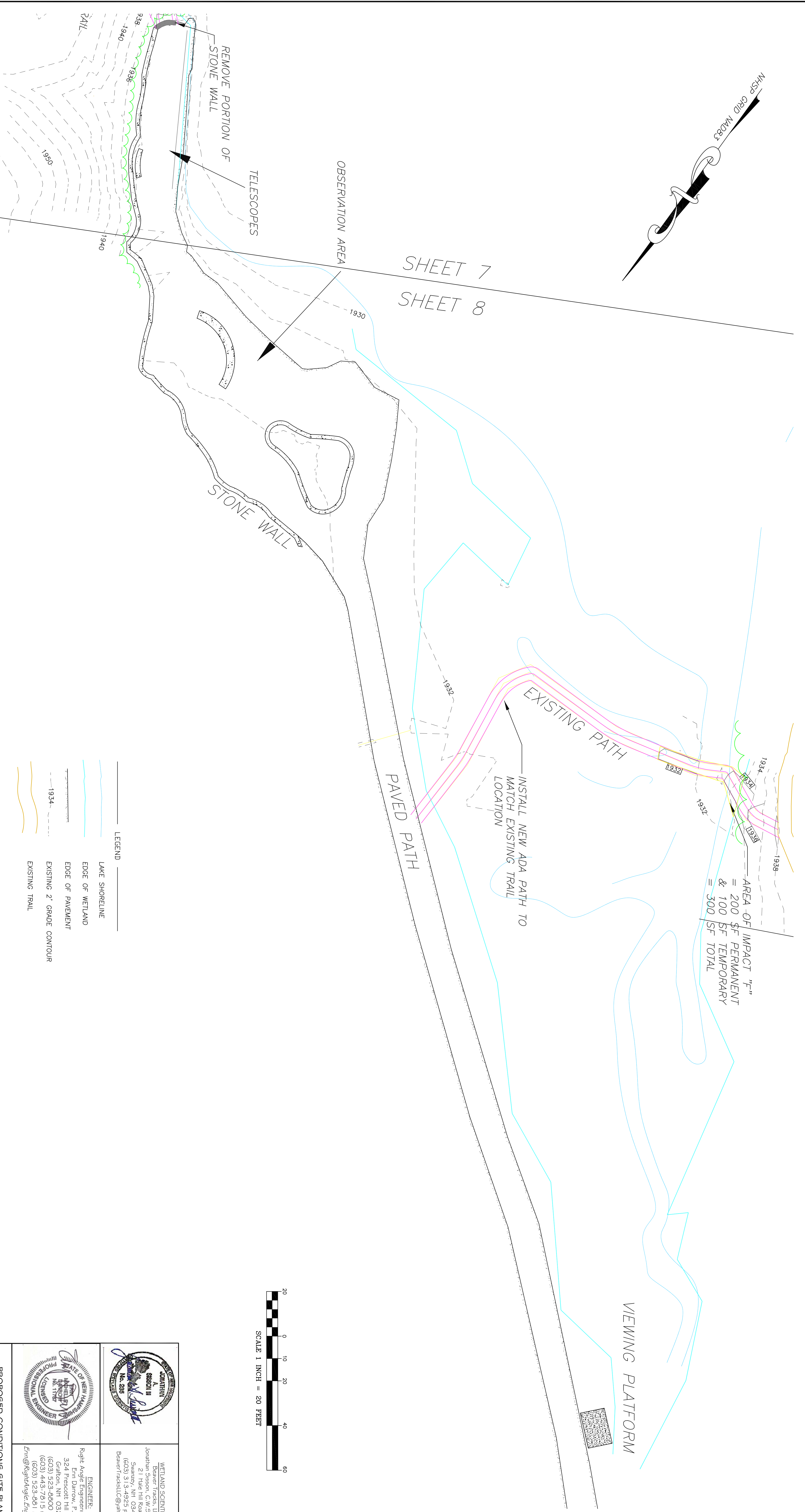
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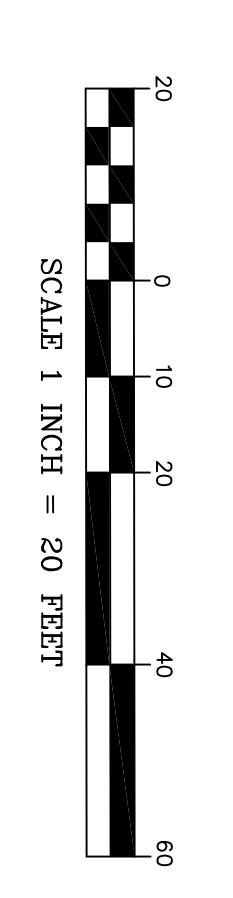
SHEET 7  
SHEET 8



AREA OF IMPACT "F"  
= 200 SF PERMANENT  
& 100 SF TEMPORARY  
= 300 SF TOTAL

- LEGEND**
- LAKE SHORELINE
  - EDGE OF WETLAND
  - EDGE OF PAVEMENT
  - EXISTING 2' GRADE CONTOUR
  - EXISTING TRAIL
  - PROPOSED 2' GRADE CONTOUR
  - GRANITE BLOCK FOR BOARDWALK
  - EDGE OF PROPOSED TRAIL
  - LIMITS OF WORK FOR PROPOSED TRAIL
  - PROPOSED RETAINING WALL
  - TREELINE

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5, 11/17/2016  
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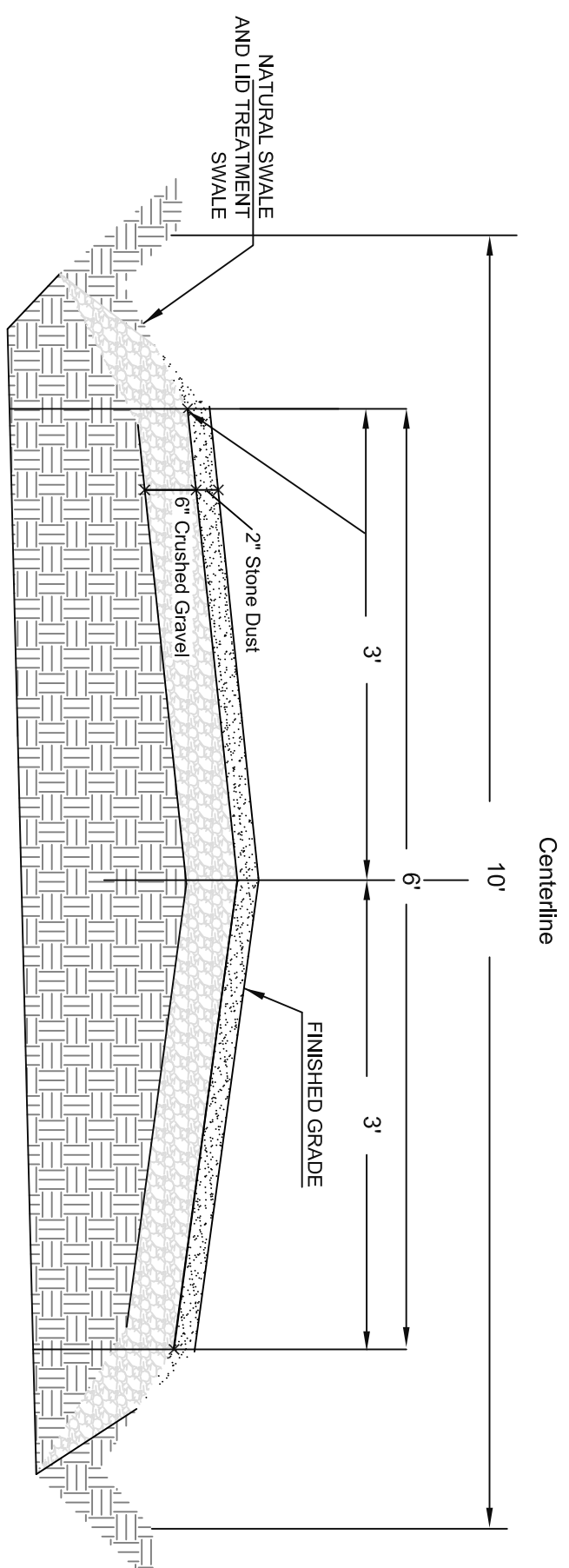
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EAST SIDE OF PROFILE LAKE  
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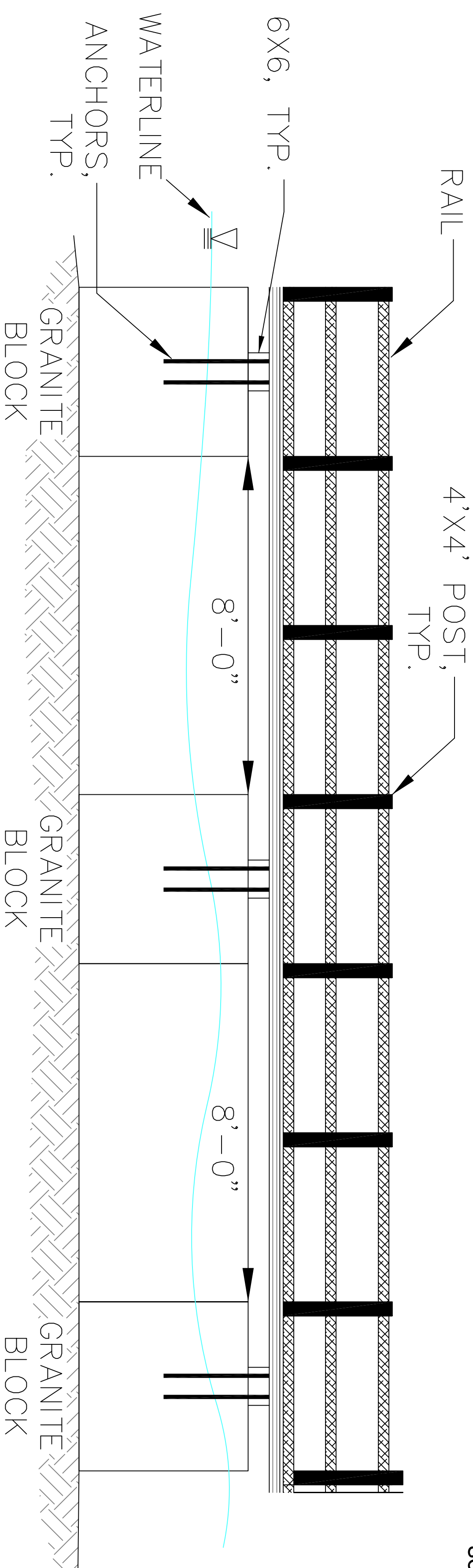
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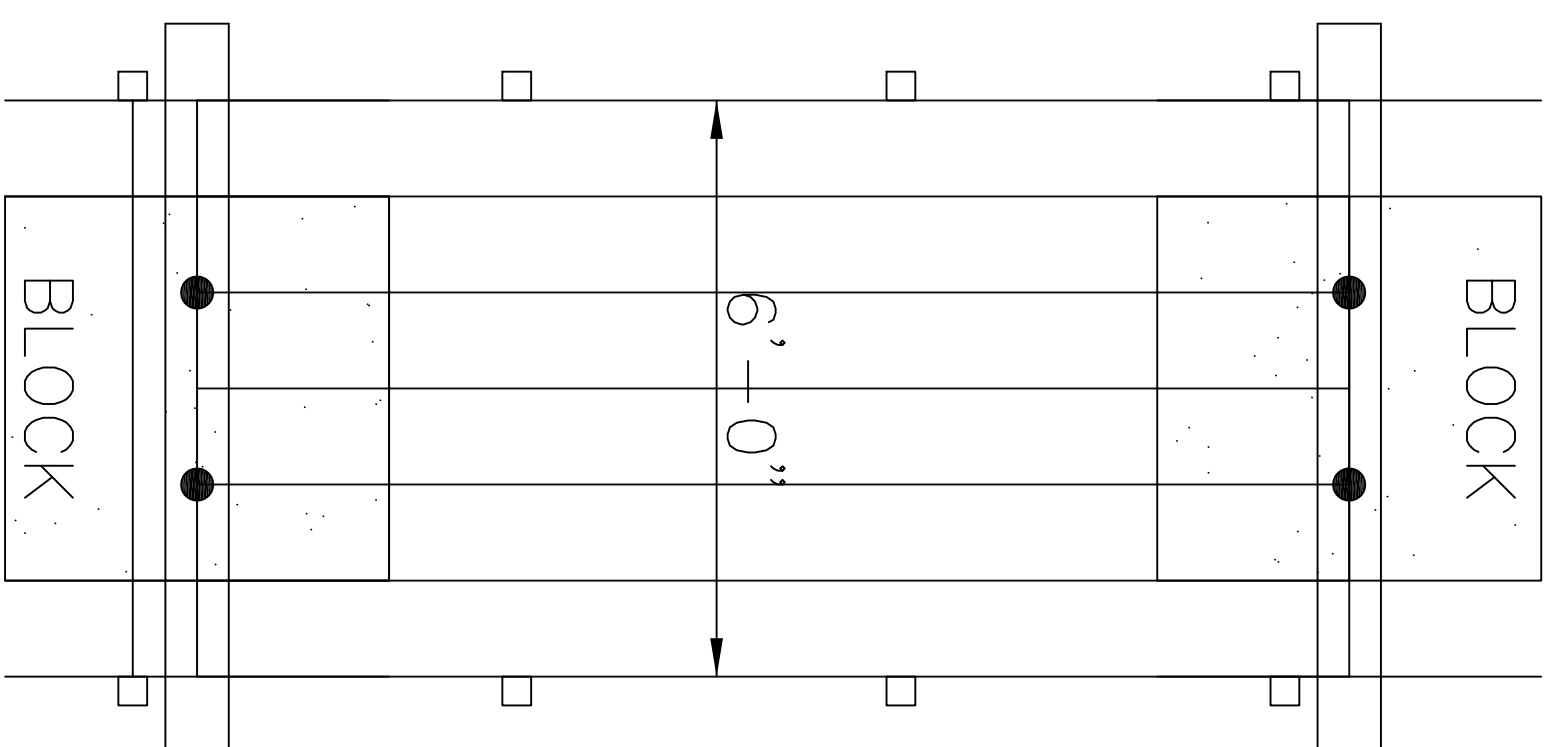
Typical Trail Cross-Section  
NOT-TO-SCALE



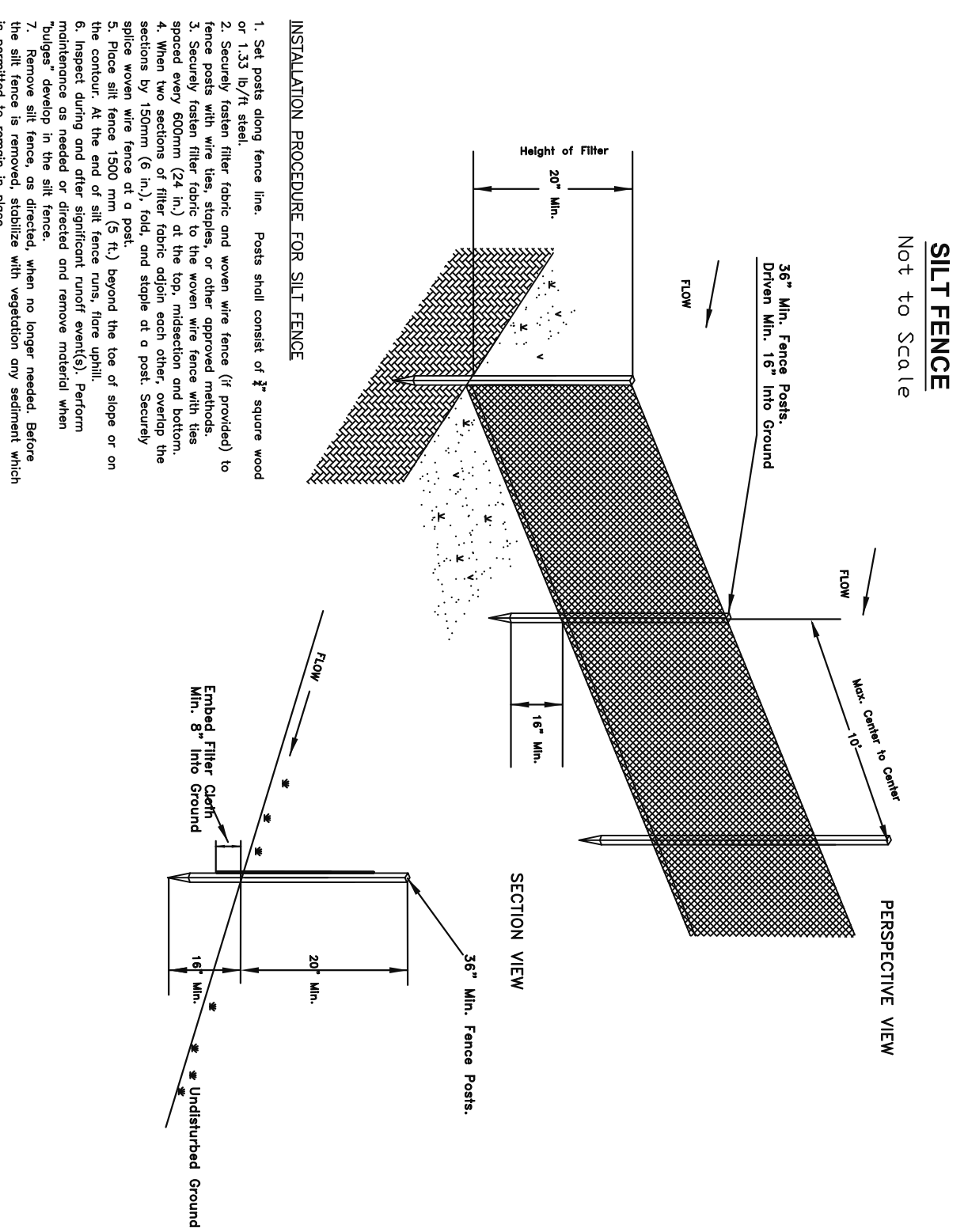
BOARDWALK TYPICAL ELEVATION VIEW  
SCALE: 1/2" = 1'



BOARDWALK  
PLAN VIEW



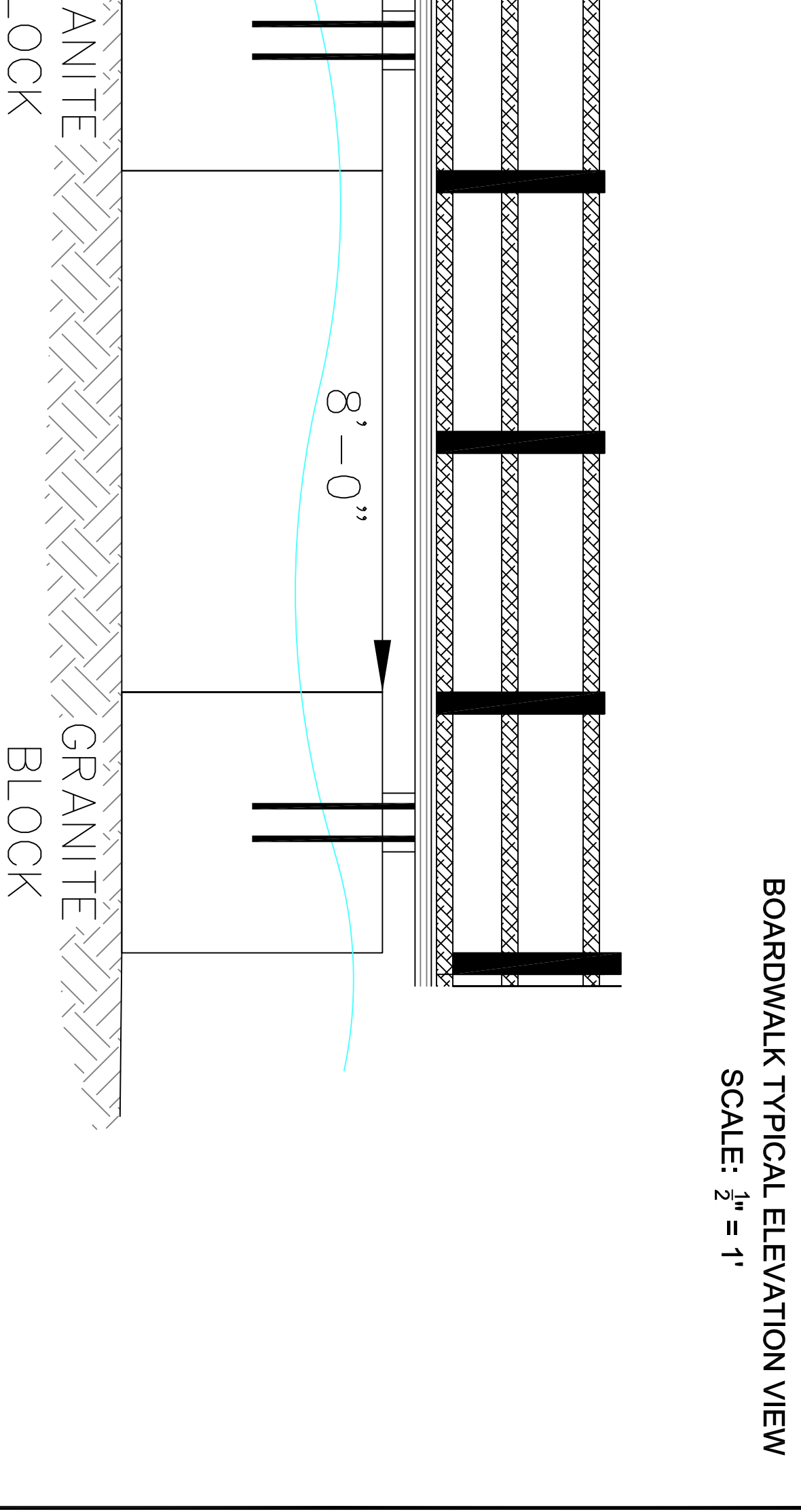
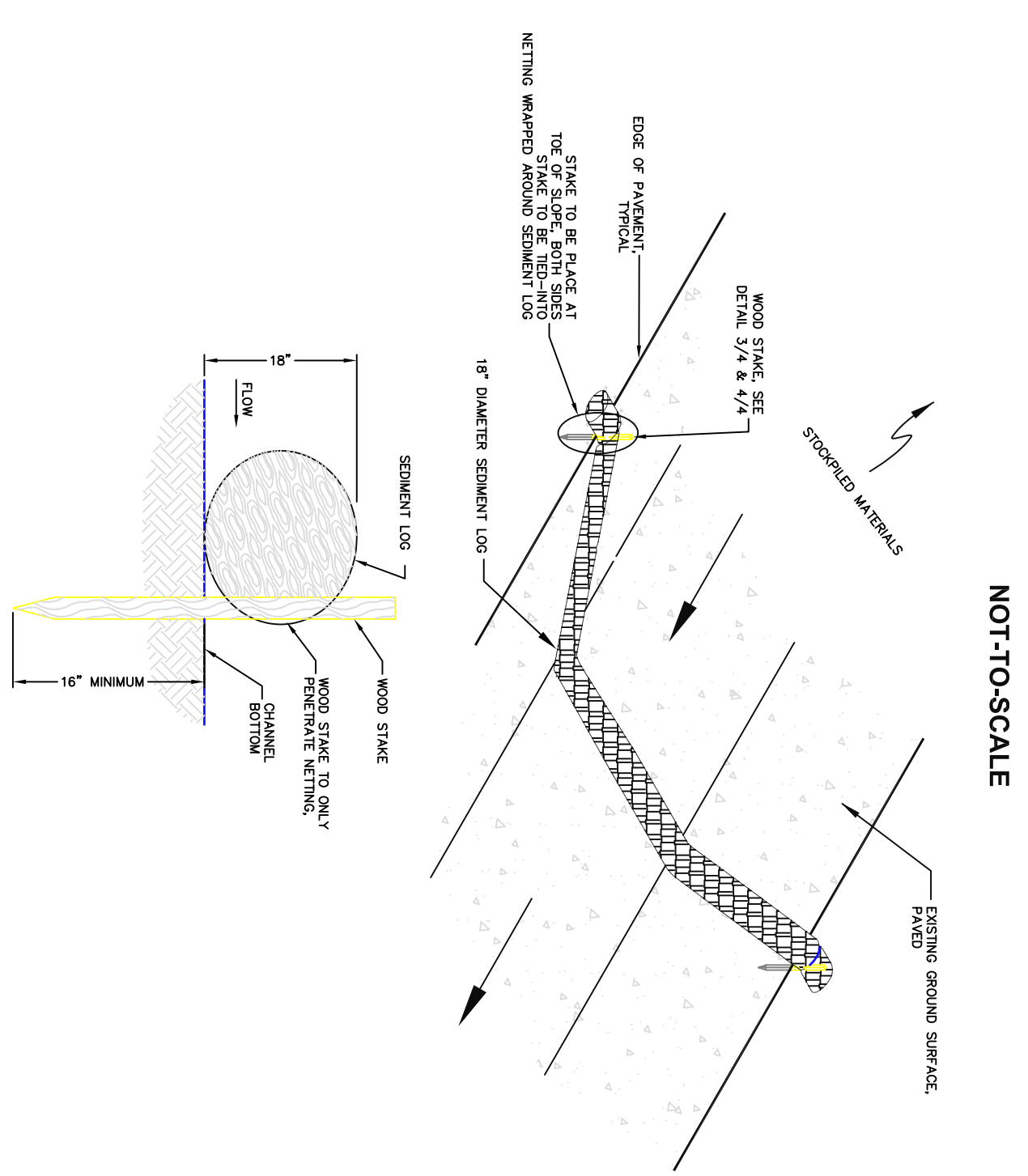
SCALE:  
1/2" = 1'



INSTALLATION PROCEDURE FOR SILT FENCE

1. Set posts every three feet. Posts shall consist of 2 square wood or 1.25" dia. steel.
2. Drive posts into ground and secure with 1/2\"/>

SEDIMENT LOG BARRIER  
NOT-TO-SCALE



HAY BALE

1. Place bales 5 feet beyond the toe of slope or on the contour and in a row with ends (tight) abutting bales, with no gaps.
2. Place bales with bindings horizontal and securely anchor in place by driving two stakes through the bale.
3. During and after runoff event(s) inspect hay bales frequently and repair/replace promptly as needed or as directed. Remove sediment when accumulation reaches one half the bale height or as directed.
4. Remove bales, as directed, when they are no longer needed. Before bales are removed stabilize with vegetation any sediment which is permitted to remain in place. When bales are removed, fill trench with suitable earth material and stabilize with vegetation.

CONSTRUCTION SEQUENCE NOTES:

1. INSTALL SEDIMENT AND EROSION CONTROL FACILITIES. ALL PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS.
2. ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES BEST MANAGEMENT PRACTICES.
3. EITHER SILT FENCE OR SEDIMENT LOGS SHALL BE INSTALLED DOWNGRADIENT OF ALL AREAS OF IMPACT.
4. INSPECT SITE REGULARLY TO ENSURE PROPER FUNCTION OF SEDIMENT AND EROSION CONTROLS. SITE SHALL BE INSPECTED WEEKLY, AT A MINIMUM, AND ALSO AFTER DURING SEVERE STORM EVENT(S), AFTER DURING ANY RAINFALL THAT EXCEEDS 1/4 INCH IN 24 HOURS.
5. ALL WORK SHALL OCCUR DURING LOW-FLOW CONDITIONS. TO THE GREATEST EXTENT PRACTICABLE.
6. PLACEMENT OF GRANITE BLOCKS FOR BOARDWALK SHALL OCCUR IN AREA SURROUNDED BY SEDIMENT CURTAIN.
7. CONSTRUCT NEW TRAIL AND BOARDWALK.
8. REMOVE SEDIMENT AND EROSION CONTROL MEASURES UPON SITE STABILIZATION.
9. CONTRACTOR IS RESPONSIBLE FOR LOCATION OF UTILITIES AND AVOIDING DAMAGE DURING CONSTRUCTION.

NO.	DATE	DESCRIPTION	BY
1			
2			

**ENGINEER:**  
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**CONSTRUCTION DETAILS PLAN**  
OLD MAN VIEWING AREA  
ADA-ACCESSIBLE TRAIL  
EAST SIDE OF PROFILE LAKE  
FRANCONIA NOTCH  
FRANCONIA, NEW HAMPSHIRE

**OWNER:**  
STATE OF NEW HAMPSHIRE  
DEPARTMENT OF RESOURCES  
& ECONOMIC DEVELOPMENT  
172 FEMBROKE ROAD  
CONCORD, NH 03301

**PREPARED FOR:**  
NORTHERN NEW ENGLAND FIELD SERVICES  
DENNIS THOMPSON, OWNER  
711 PPER HILL ROAD  
STEWARTSTOWN, NH 03576