

RESOURCE AREA IMPACTS

SCALE: 1"=10'

RESOURCE IMPACTS

LAND UNDER WATER (LUW)

LUW LOST..... 33 S.F.
LUW TO BVW..... 10 S.F.
LUW TEMP IMPACT..... 575 S.F.

TOTAL LUW IMPACT..... 618 S.F.

REPLACEMENT LUW645 S.F.

BORDERING VEGETATED WETLAND (BVW)

BVW LOST..... 1 S.F.
BVW TEMP. IMPACT..... 20 S.F.

TOTAL BVW IMPACT..... 21 S.F.

REPLACEMENT BVW..... 53 S.F.

WETLAND REPLACEMENT RATIO 2.5x

RIVERFRONT IMPACTS

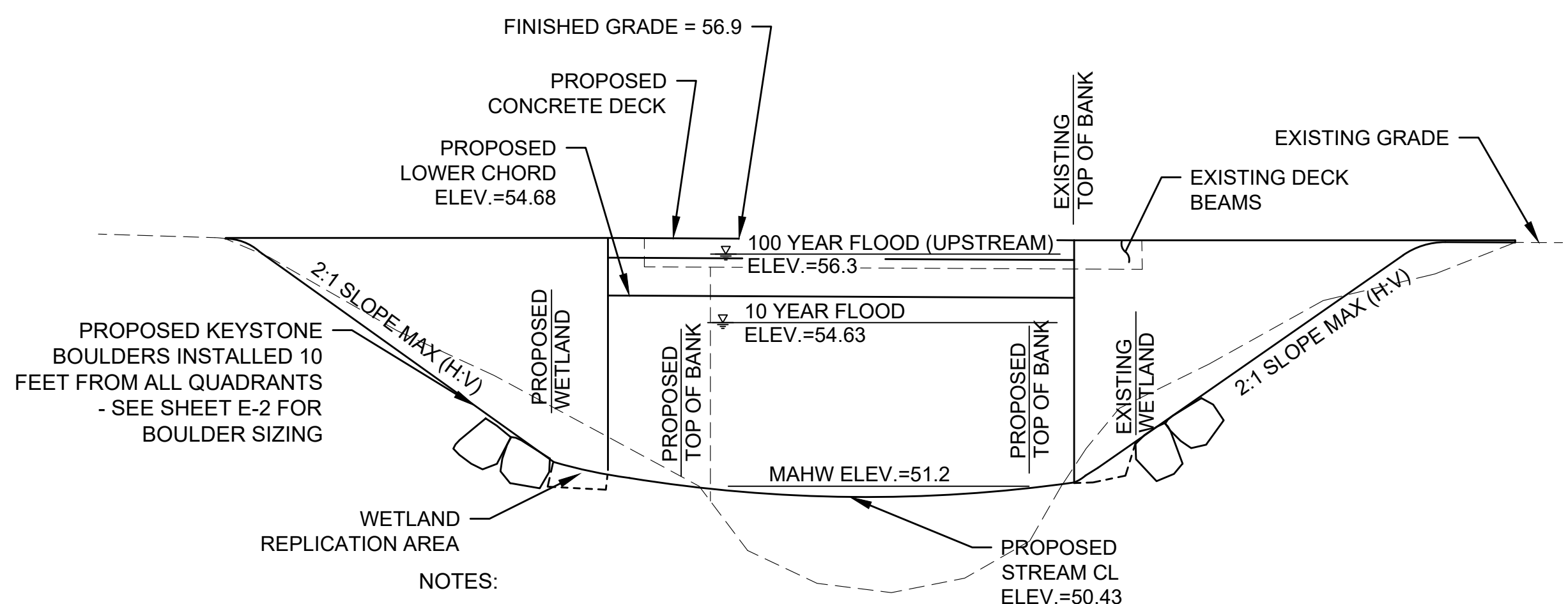
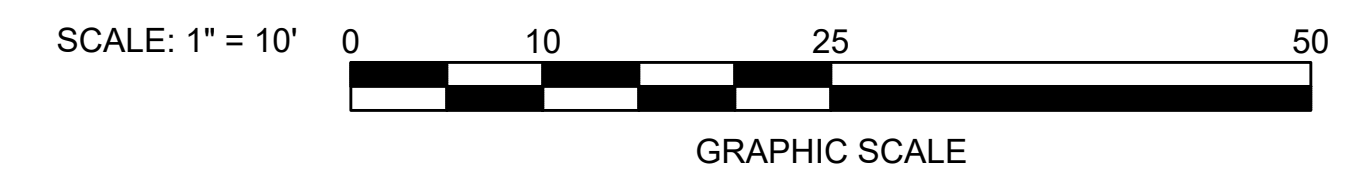
RIVERFRONT IMPACT.....4,815 S.F.
(4,815 S.F. 0'-100', 0 S.F. 100'-200')
RIVER BANK ADDED..... 52 L.F.
TEMP RIVER BANK IMPACT..... 30 L.F.

TOTAL RIVERFRONT IMPACT.....4,815 S.F.
(ALL OCCURS IN PREVIOUSLY ALTERED RIVERFRONT)

	LUW CONVERTED TO BVW
	LUW LOST
	BVW LOST
	TEMP. LUW IMPACT
	TEMP. BVW IMPACT
	BVW ADDED
	LUW ADDED
	TEMP. BANK IMPACT
	BANK ADDED

LEGEND

	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED CONTOUR
	PROPOSED STRAW BALE/SILT FENCE
	EXISTING OVERHEAD WIRE
	100 FOOT BUFFER TO BVW
	BUFFER TO TOP OF BANK
	PROPOSED OVERHEAD WIRE
	BVW FLAG
	MAHW/TOB FLAG
	SOIL BORING
	UTILITY POLE



NOTES:

1. KEYSTONE BOULDERS SHALL BE INSTALLED FLUSH WITH PROPOSED EMBANKMENT.
2. BOULDERS SHALL NOT BE INSTALLED WITHIN WETLAND RESOURCE AREAS.
3. OVERSEED DISTURBED WETLAND AREAS WITH WETLAND RESTORATION MIX BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.
4. COMPLETE SPECIFICATIONS FOR WETLAND REPLICATION, SEEDING/SEED MIXES, INVASIVE SPECIES CONTROL, AND MONITORING ARE PROVIDED IN THE SPECIAL PROVISIONS.

**SOUTH ELEVATION
(NORTH ELEVATION SIMILAR)**
NOT TO SCALE

DATUM
NAVD

MEAN ANNUAL HIGH WATER (MAHW) = 51.2
BRIDGE NO. B-19-013 (81B)

REV.	COMMENTS	DATE

PROJECT # 2182578
SCALE AS NOTED
DATE 8/16/2019
DRAFTED BY BDS

**BRIDGE REPLACEMENT
LOCKWOOD LANE OVER FISH BROOK
BOXFORD, MASSACHUSETTS**
PREPARED FOR:
TOWN OF BOXFORD DEPARTMENT OF PUBLIC WORKS

Bridge & Structural Engineering
Civil/Site Engineering
Land Surveying
Transportation Engineering
Architectural Design & Building Renovations

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