NOTICE OF INTENT PLAN
FOR THE
CENTRAL ST. P.C.R.C.
IN
ACTON, MASS.

COMMONWEALTH OF MASSACHUSETTS
JONATHAN J. MARKEY
CIVIL
No. 46494
REGISTERED PROFESSIONAL ENGINEER
2.25.15

APPLICANT: MT. LAUREL REALTY
390 GOODRICH STREET, LUNENBURG, MA 01462

OWNER: WILLIAM CHISHOLM
390 GOODRICH STREET, LUNENBURG, MA 01462

SCALE: 1 INCH=20 FEET DATE: APRIL 24, 2014

R.WILSON ASSOCIATES
LAND SURVEYORS AND CIVIL ENGINEERS
360 MASS. AVE., ACTON MASS. 01720
PHONE: 978-266-0203 FAX: 978-266-0203

FILE NO. 1851 DWG NO. 1851 NOI-20 SHEET NO. 2 OF 8

5	SIDEWALK DETAIL	2/25/15
4	FP COMPENSATION	02/02/15
3	FP COMPENSATION	12/31/14
2	FLOOD PLAIN	11/25/14
1	REVISED	7/11/14

EXISTING SYMBOLS LEGEND

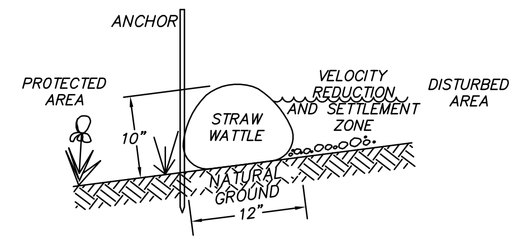
EXISTING STONE BOUND	CBDH	EXISTING DRAIN MANHOLE	DMH
EXISTING UNDERGROUND COMM.	C	EXISTING SEWER MANHOLE	SMH
EXISTING STORM DRAIN	D	EXISTING CATCH BASIN	CB
EXISTING SANITARY SEWER	S	EXISTING FLOW DIRECTION	
EXISTING WATER MAIN	W	EXISTING FIRE HYDRANT	
EXISTING GAS MAIN	G	EXISITNG WATER GATE	WG
EXISTING UNDERGROUND ELEC.	E	EXISTING UTILITY POLE	UP
EXISTING OVERHEAD WIRES	OHW		
EXISTING 2' CONTOUR	202		
EXISTING 10' CONTOUR	200		

EXISTING STONE WALL
EXISTING TREE LINE
EXISTING GUARDRAIL
EXISTING WETLAND LINE
EXISTING WETLAND FLAG + WF A4

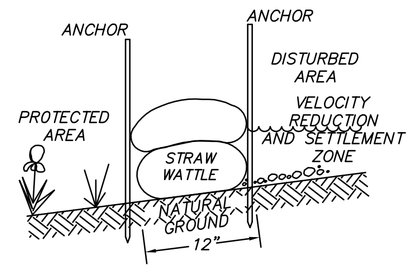
PROPOSED SYMBOLS LEGEND

PROPOSED INFILTRATION TRENCH
PROPOSED RETAINING WALL
PROPOSED CONTOUR 150
PROPOSED SPOT GRADE 331x0
PROPOSED STRAW WATTLES

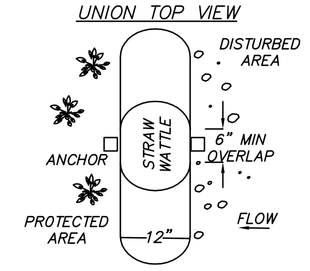
SECTION END VIEW



UNION END VIEW



UNION TOP VIEW



STRAW WATTLE DETAIL
NO SCALE

1. WATTLES SHALL BE CONSTRUCTED OF BIODEGRADEABLE TUBULAR PLASTIC OR SIMILAR MATERIAL, AND SHALL BE FILLED WITH STRAW OR MULCH.
2. INSTALL WATTLES IN LOCATIONS SHOWN ON THE PLAN.
3. INSTALL THE WATTLES SNUGLY INTO A 3-5" DEEP TRENCH AND OVERLAP AS SHOWN IN THE DETAIL.
4. INSTALL ANCHOR STAKES ON DOWNHILL SIDE OF THE WATTLES, AND AT 5' SPACING ALONG THE LENGTH OF THE WATTLE.
5. AT A MINIMUM, ANCHOR STAKES SHALL BE 3/4" SQUARE BY 24" LONG. EXISTING VEGETATION GREATER THAN 2" DIAMETER MAY BE USED AS ANCHORS.
6. INSPECT WATTLES AFTER RAINFALL EVENTS TO ENSURE THEY ARE IN CONTACT WITH THE SOIL AND THOROUGHLY ENTRENCHED, AND REPAIR AS NEEDED.
7. INSPECT DOWNGRADIENT SLOPE AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE SCOUR IS NOT OCCURRING UNDER THE WATTLES, AND REPAIR AS NECESSARY.

NOTES:

WETLAND AREA TO BE FILLED:
AREA A = 812 S.F.
AREA B = 726 S.F.
TOTAL: A + B = 1538 S.F.

PROPOSED AREA TO BE RESTORED:
FOOT PATHS = 872 S.F.±
HAYBALES* = 890 S.F.±
TOTAL = 1,762 S.F.±

TOTAL IMPACT = 3,300 S.F.±

PROPOSED AREA TO BE REPLICATED:
=2950 S.F.±

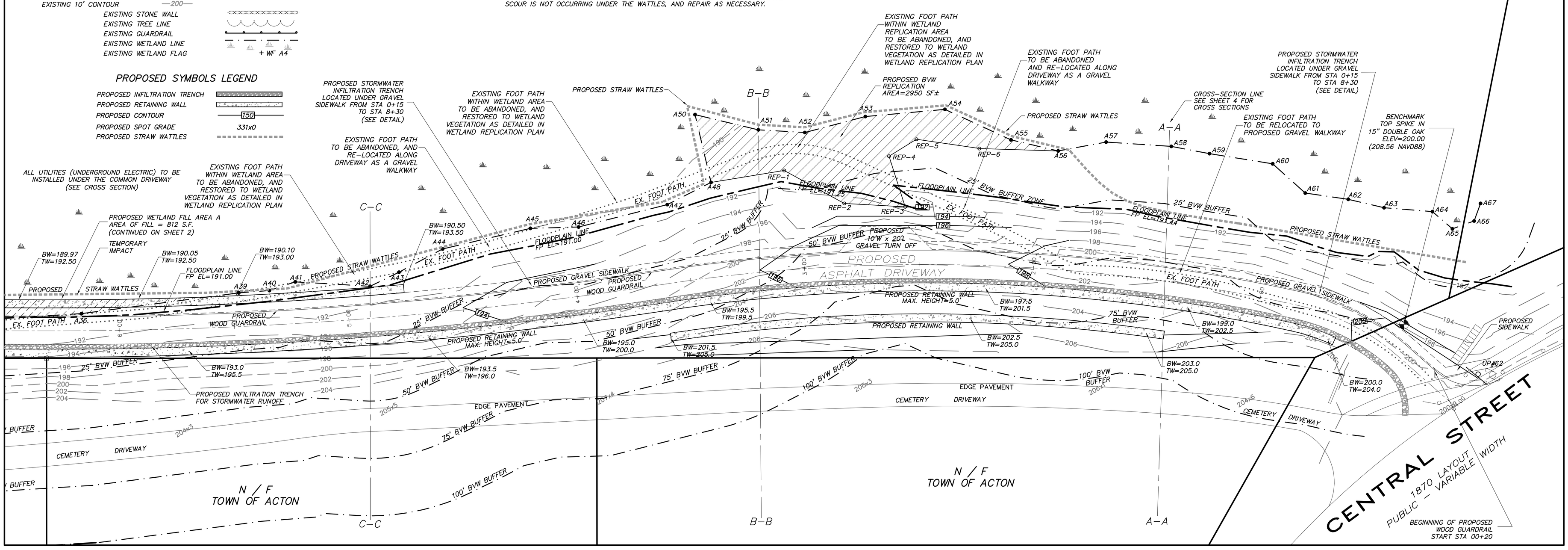
* ALL HAYBALES INSIDE THE WETLAND ARE TEMPORARY IMPACTS TO BE RESTORED AFTER CONSTRUCTION.

FLOOD PLAIN ELEVATION TAKEN FROM FEMA FIRM MAP PANELS 25017C0351F AND 25017C0353F DATED JULY 7, 2014. FLOOD PLAIN ELEVATIONS BASED ON NAVD88 AND CONVERTED TO SITE DATUM AS SHOWN ON PLAN.

FLOODPLAIN FILL AREA A=70 S.F
FLOODPLAIN FILL AVERAGE DEPTH=0.49'
FLOODPLAIN FILL VOLUME=34 C.F.

FLOODPLAIN FILL AREA B=540 S.F
FLOODPLAIN FILL AVERAGE DEPTH=0.49'
FLOODPLAIN FILL VOLUME=265 C.F.

FLOODPLAIN FILL AREA C=380 S.F
FLOODPLAIN FILL AVERAGE DEPTH=0.95'
FLOODPLAIN FILL VOLUME=350 C.F.

TOTAL FLOODPLAIN FILL VOLUME=649 CU.FT.

COMPENSATORY VOLUME PROVIDED AS FOLLOWS:
EXCAVATION AREA = 865 S.F
EXCAVATION DEPTH = 0.75'
VOLUME OF STORAGE PROVIDED = 649 CU.FT.