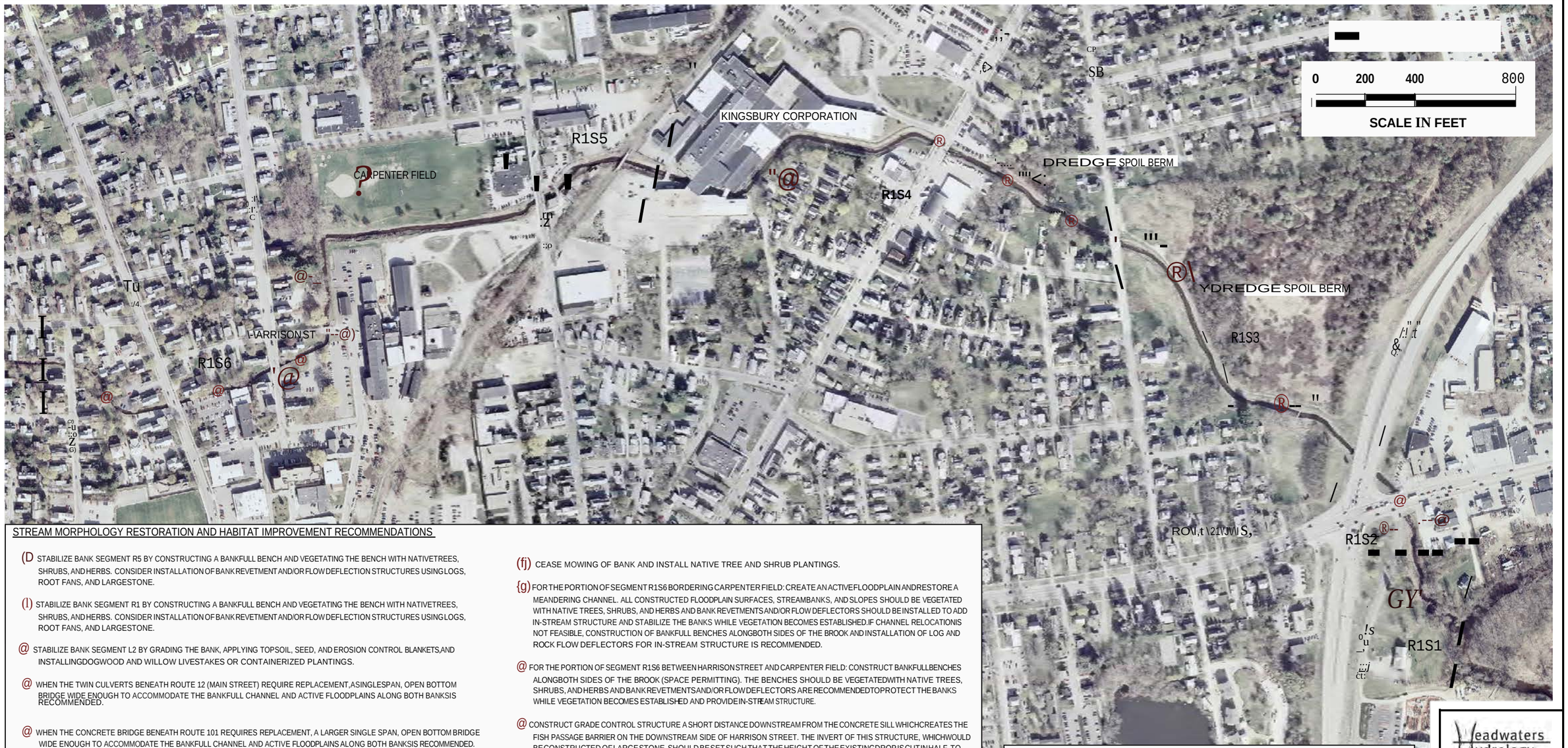
EXHIBIT 28



STREAM MORPHOLOGY RESTORATION AND HABITAT IMPROVEMENT RECOMMENDATIONS

(D STABILIZE BANK SEGMENT R5 BY CONSTRUCTING A BANKFULL BENCH AND VEGETATING THE BENCH WITH NATIVETREES, SHRUBS, AND HERBS. CONSIDER INSTALLATION OF BANK REVETMENT AND/OR FLOW DEFLECTION STRUCTURES USING LOGS, ROOT FANS, AND LARGESTONE.

(I) STABILIZE BANK SEGMENT R1 BY CONSTRUCTING A BANKFULL BENCH AND VEGETATING THE BENCH WITH NATIVETREES, SHRUBS, AND HERBS. CONSIDER INSTALLATION OF BANK REVETMENT AND/OR FLOW DEFLECTION STRUCTURES USING LOGS, ROOT FANS, AND LARGESTONE.

@ STABILIZE BANK SEGMENT L2 BY GRADING THE BANK, APPLYING TOPSOIL, SEED, AND EROSION CONTROL BLANKETS,AND INSTALLINGDOGWOOD AND WILLOW LIVESTAKES OR CONTAINERIZED PLANTINGS.

@ WHEN THE TWIN CULVERTS BENEATH ROUTE 12 (MAIN STREET) REQUIRE REPLACEMENT,ASINGLESPAN, OPEN BOTTOM BRIDGE WIDE ENOUGH TO ACCOMMODATE THE BANKFULL CHANNEL AND ACTIVE FLOODPLAINS ALONG BOTH BANKSIS RECOMMENDED.

@ WHEN THE CONCRETE BRIDGE BENEATH ROUTE 101 REQUIRES REPLACEMENT, A LARGER SINGLE SPAN, OPEN BOTTOM BRIDGE WIDE ENOUGH TO ACCOMMODATE THE BANKFULL CHANNEL AND ACTIVE FLOODPLAINS ALONG BOTH BANKSIS RECOMMENDED.

® REMOVE DREDGE SPOIL BERM AND INSTALL NATIVE RIPARIAN TREE AND SHRUB PLANTINGSALONG BANKS. EVALUATE FLOOD PROTECTION PROVIDED BY EXISTING BERM AND CONSTRUCT AN OFFSET BERM IF REMOVAL OF THE EXISTING BERM WOULD INCREASE FLOOD HAZARDS FOR NEARBY PROPERTIES. FLOW DEFLECTION STRUCTURES WHICHADDIN-STREAM STRUCTURE AND PROMOTE THE FORMATION OF SCOUR POOLS SHOULD ALSOBE CONSIDERED. A MORE AGRESSIVE PLAN WHICHINVOLVES THE RESTORATION OF A MEANDERING CHANNEL ALIGNMENT, INSTALLATION OF BANKREVETMENTSAND/ORFLOW DEFLECTORS, AND CONVERTING ABANDONED PORTIONS OF THE EXISTING CHANNEL TO OXBOW PONDS SHOULD ALSO BE EVALUATED.

(j) WHEN THE CONCRETE BRIDGE AT BAKER STREET REQUIRES REPLACEMENT, A SINGLE SPAN, OPEN BOTTOM BRIDGE WIDE ENOUGH TO ACCOMMODATE THE BANKFULL CHANNEL AND ACTIVE FLOODPLAINS ALONGBOTH BANKSISRECOMMENDED.

@ REMOVE DREDGE SPOIL BERM ALONGBANK SEGMENT L1, CONSTRUCT BANKFULL BENCHES ALONG BANKSEGMENTS L1AND R1 ANDVEGETATE BOTH BENCHES WITH NATIVE TREES, SHRUBS, AND HERBS. EVALUATEFLOOD PROTECTION PROVIDEDBY EXISTING BERM PRIOR TO REMOVAL. CONSTRUCT AN OFFSET BERM IF REMOVAL OF THE EXISTING BERM WOULDINCREASE FLOOD HAZARDS FOR NEARBY PROPERTIES.

® WHEN THE CONCRETE BRIDGE AT MARLBOROSTREET REQUIRES REPLACEMENT, A SINGLE SPAN, OPEN BOTTOM BRIDGE WIDE ENOUGH TO ACCOMMODATE THE BANKFULL CHANNEL AND ACTIVE FLOODPLAINS ALONGBOTH BANKSIS RECOMMENDED.

(jJ) CONSTRUCT A BANKFULL BENCH ALONGBANK SEGMENT R6 AND THE UPPER PORTION OF BANKSEGMENT R4. VEGETATE THE BENCHES WITH NATIVE TREES, SHRUBS, AND HERBS. ARMY CORPS APPROVAL WOULD BENEEDED FOR THESE ALTERATIONS.

(fj CEASE MOWING OF BANK AND INSTALL NATIVE TREE AND SHRUB PLANTINGS.

{g) FOR THE PORTION OF SEGMENT R1S6 BORDERING CARPENTER FIELD: CREATE AN ACTIVEFLOODPLAIN ANDRESTORE A MEANDERING CHANNEL. ALL CONSTRUCTED FLOODPLAIN SURFACES, STREAMBANKS, AND SLOPES SHOULD BE VEGETATED WITH NATIVE TREES, SHRUBS, AND HERBS AND BANK REVETMENTS AND/OR FLOW DEFLECTORS SHOULD BE INSTALLED TO ADD IN-STREAM STRUCTURE AND STABILIZE THE BANKS WHILE VEGETATION BECOMES ESTABLISHED.IF CHANNEL RELOCATIONIS NOT FEASIBLE, CONSTRUCTION OF BANKFULL BENCHES ALONGBOTH SIDES OF THE BROOK AND INSTALLATION OF LOG AND ROCK FLOW DEFLECTORS FOR IN-STREAM STRUCTURE IS RECOMMENDED.

@ FOR THE PORTION OF SEGMENT R1S6 BETWEEN HARRISON STREET AND CARPENTER FIELD: CONSTRUCT BANKFULLBENCHES ALONGBOTH SIDES OF THE BROOK (SPACE PERMITTING). THE BENCHES SHOULD BE VEGETATEDWITH NATIVE TREES, SHRUBS, AND HERBS AND BANK REVETMENTSAND/OR FLOW DEFLECTORS ARE RECOMMENDEDTOPROTECT THE BANKS WHILE VEGETATION BECOMES ESTABLISHED AND PROVIDEIN-STREAM STRUCTURE.

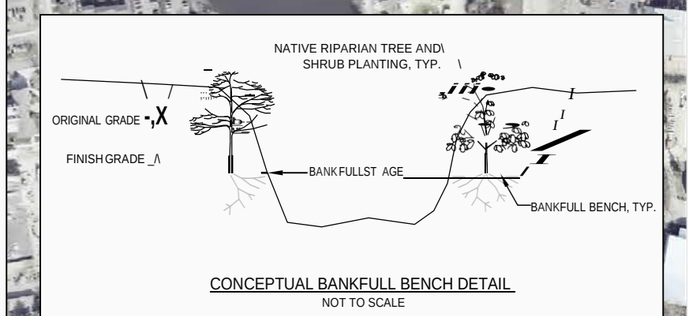
@ CONSTRUCT GRADE CONTROL STRUCTURE A SHORT DISTANCE DOWNSTREAM FROM THE CONCRETE SILL WHICHCREATES THE FISH PASSAGE BARRIER ON THE DOWNSTREAM SIDE OF HARRISON STREET. THE INVERT OF THIS STRUCTURE, WHICHWOULD BE CONSTRUCTED OF LARGE STONE, SHOULD BE SET SUCH THAT THE HEIGHT OF THE EXISTINGDROP IS CUT IN HALF. TO ABOUT FOUR INCHES. A SECOND FOUR INCH(±) DROP WOULD OCCUR OVER THE CONSTRUCTED GRADE CONTROL STRUCTURE. DETAILED HYDRAULIC ANALYSESMUST BE PERFORMED TO EVALUATE THE EFFECTS OF THE GRADE CONTROL STRUCTURE ON FLOOD STAGES AND IT SHOULD ONLY BE CONSTRUCTED IF IT COMPLIES WITH THE MINIMUM STANDARDS OF THE NATIONAL FLOOD INSURANCE PROGRAM.

@ WHEN THE CONCRETE BRIDGE AT HARRISON STREET REQUIRES REPLACEMENT, A SINGLE SPAN, OPEN BOTTOM BRIDGE WIDE ENOUGH TO ACCOMMODATE THE BANKFULL CHANNEL AND ACTIVE FLOODPLAINS ALONGBOTH BANKSIS RECOMMENDED.

@) SAWCUT A SMALL PILOT CHANNEL INTO THE CONCRETE CHANNEL BOTTOM BETWEEN SPRING STREET AND HARRISONSTREET. INST ALL REMOVABLE BAFFLES OR WEIRS TO CREATE AREAS OF STILL WATER WITHIN THE PILOT CHANNEL.

@ WHEN THE CONCRETE BRIDGE AT CHURCH STREET REQUIRES REPLACEMENT, THE NEW BRIDGE SHOULD HAVE VERTICAL ABUTMENTS, RATHER THAN THE EXISTING SLOPING ABUTMENTS.

(jJ) IF POSSIBLE, THE CONCRETE ENCASED UTILITY LINE BENEATH THE ROXBURY STREETBRIDGE SHOULD BE LOWERED SUCH THAT IT IS BELOW THE CHANNEL BOTTOM. THIS WOULD ELIMINATE THE FISH PASSAGEBARRIER,INCREASE THE FLOW CAPACITY OF THE BRIDGE OPENING, AND POSSIBLY REDUCE FLOOD STAGES ABOVE THE BRIDGE.



CONCEPTUAL BANKFULL BENCH DETAIL
NOT TO SCALE

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CITY OF KEENE, NH
BEAVER BROOK HABITAT ASSESSMENT
CONCEPTUAL STREAM RESTORATION AND HABITAT IMPROVEMENT RECOMMENDATIONS

NO.	REVISION

DATE: NOV 2008
PROJECT: 0801

SHEET 1 OF 2