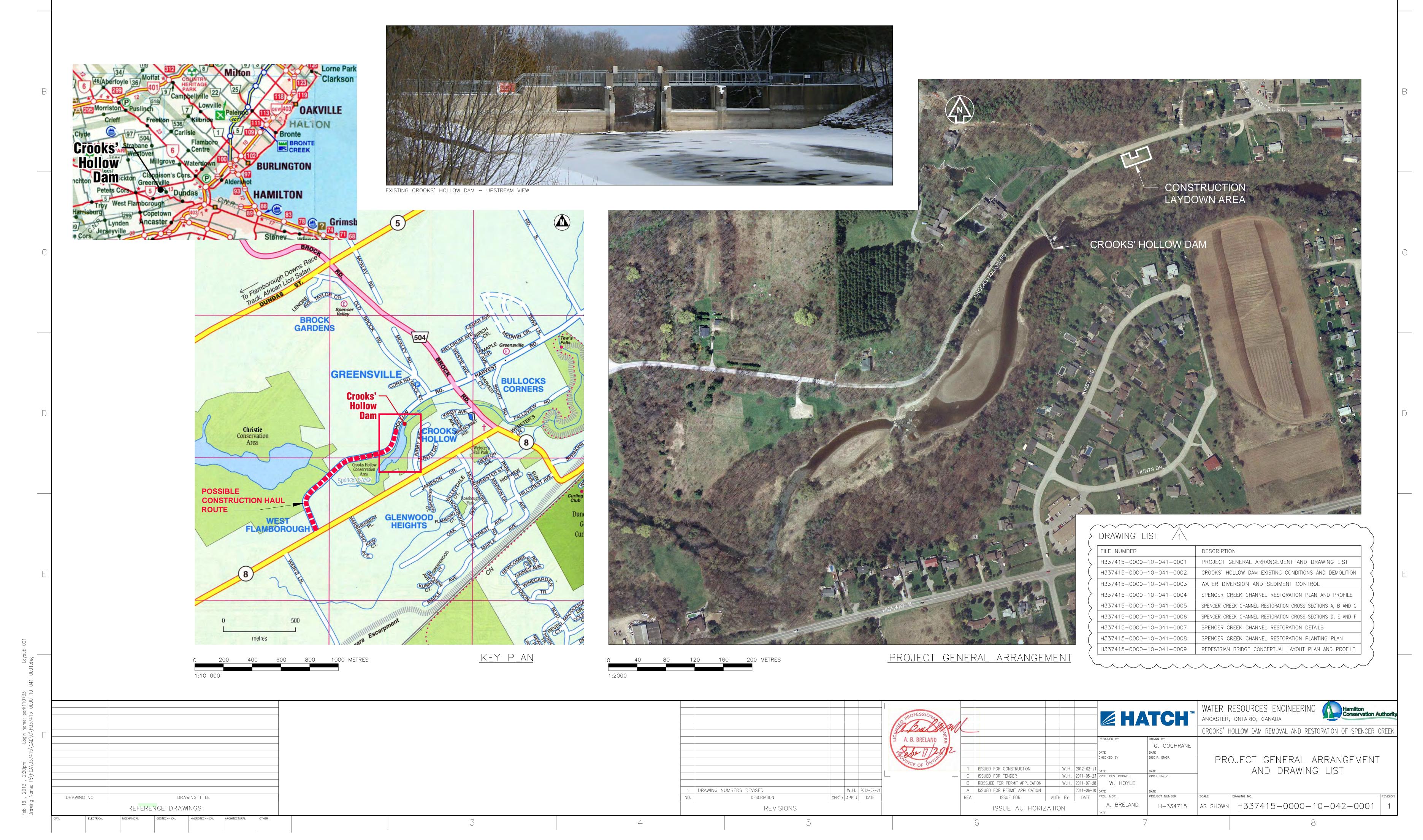
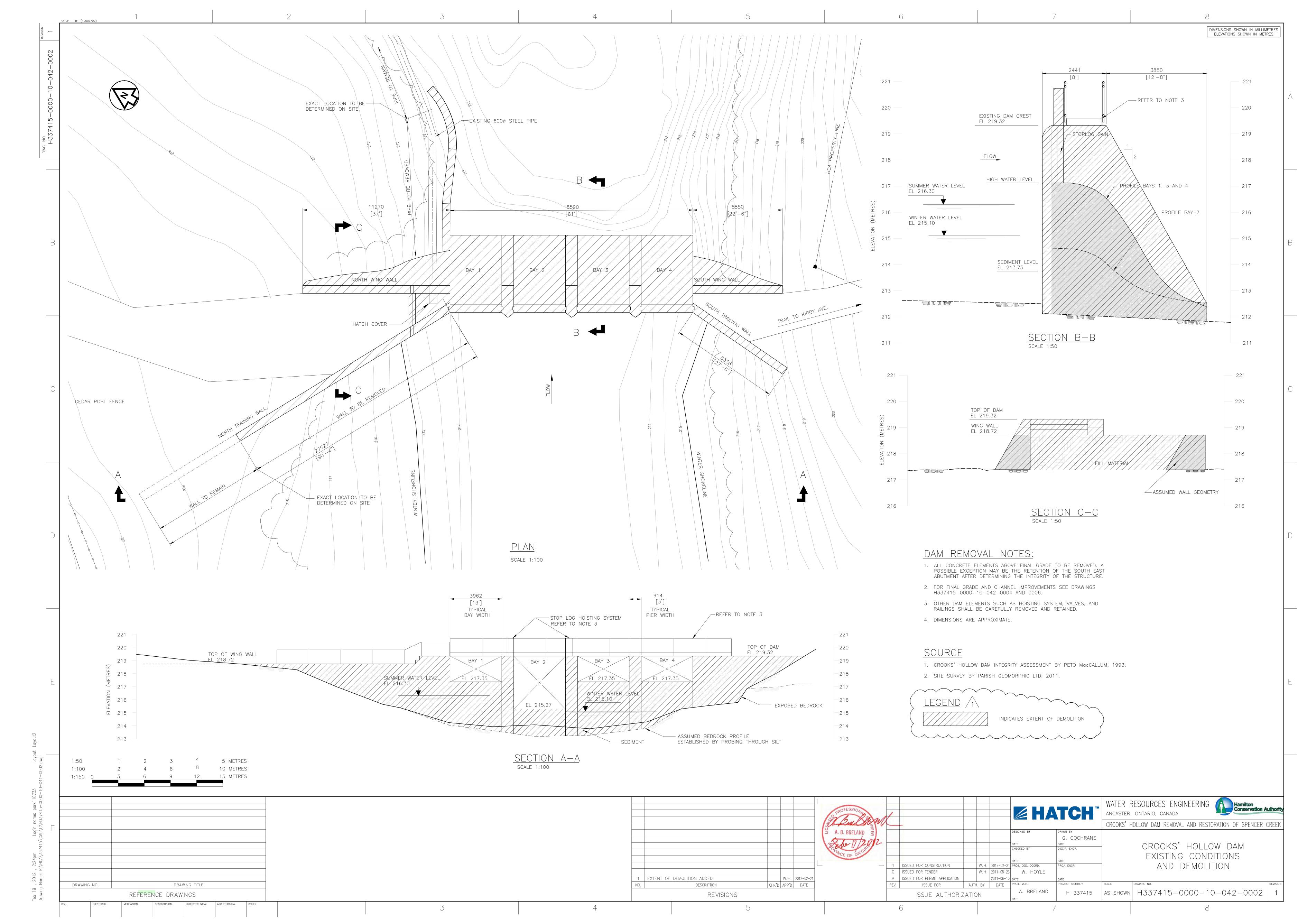
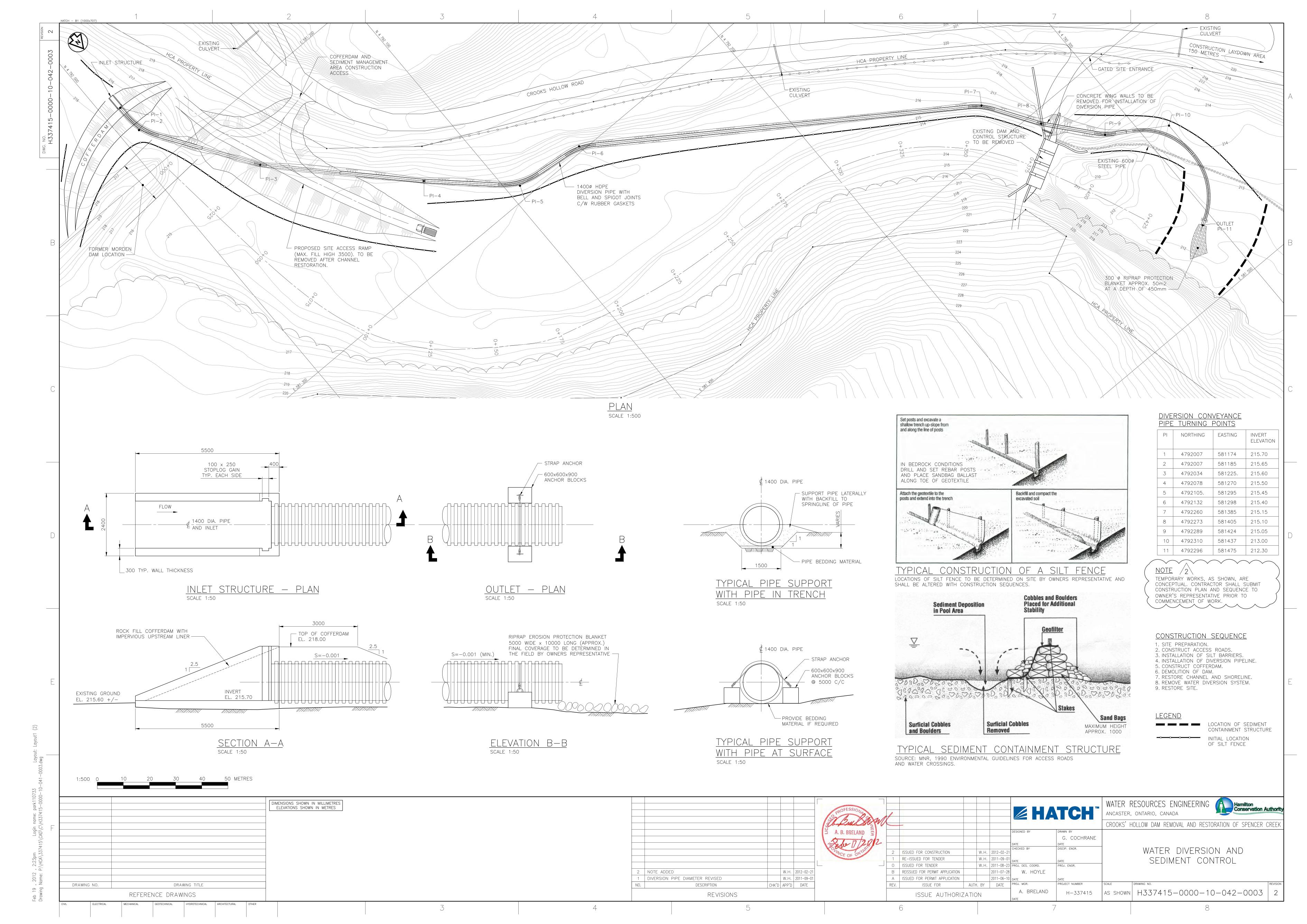
HAMILTON CONSERVATION AUTHORITY

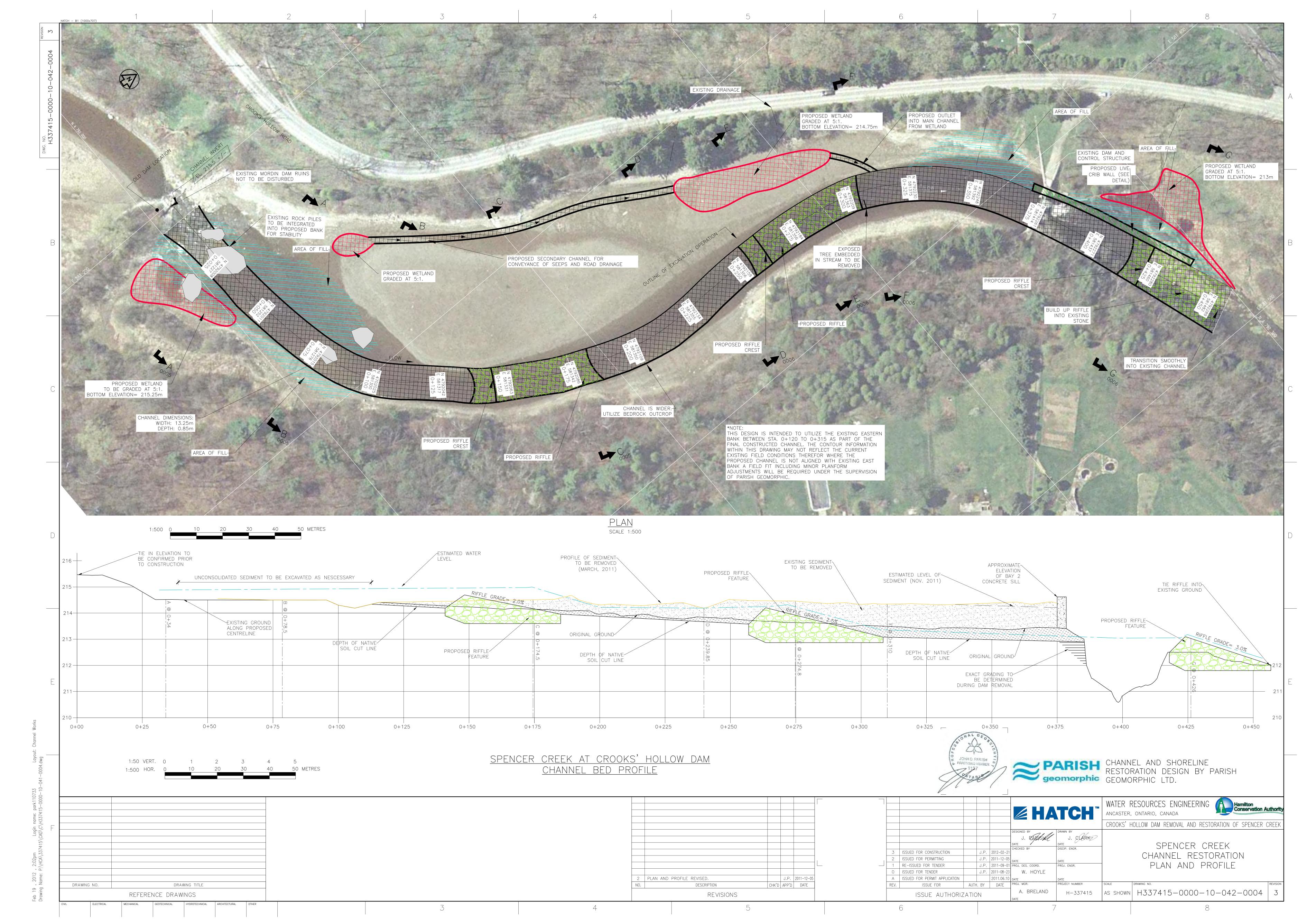
WATER RESOURCES ENGINEERING

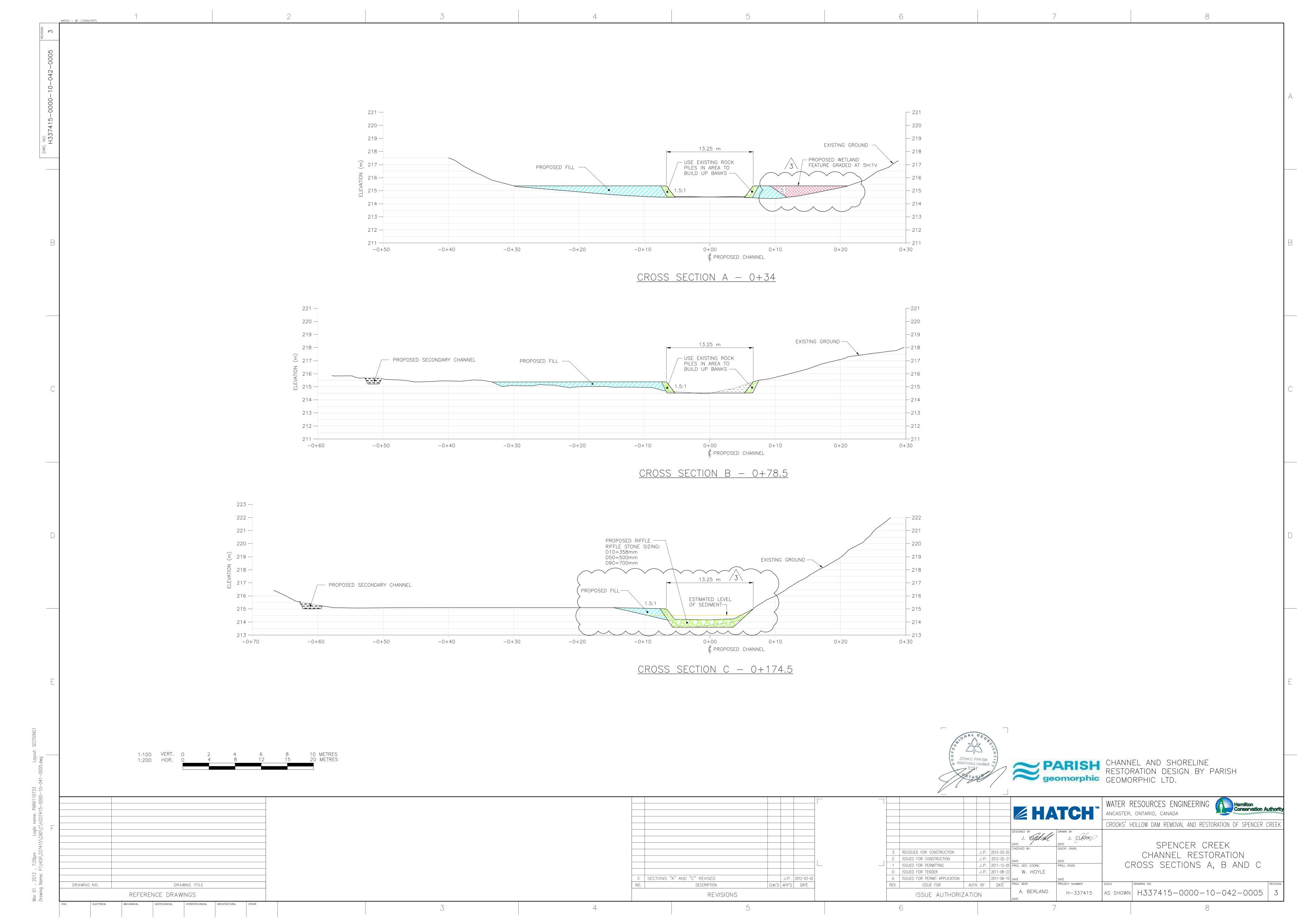
CROOKS' HOLLOW DAM REMOVAL AND RESTORATION OF SPENCER CREEK

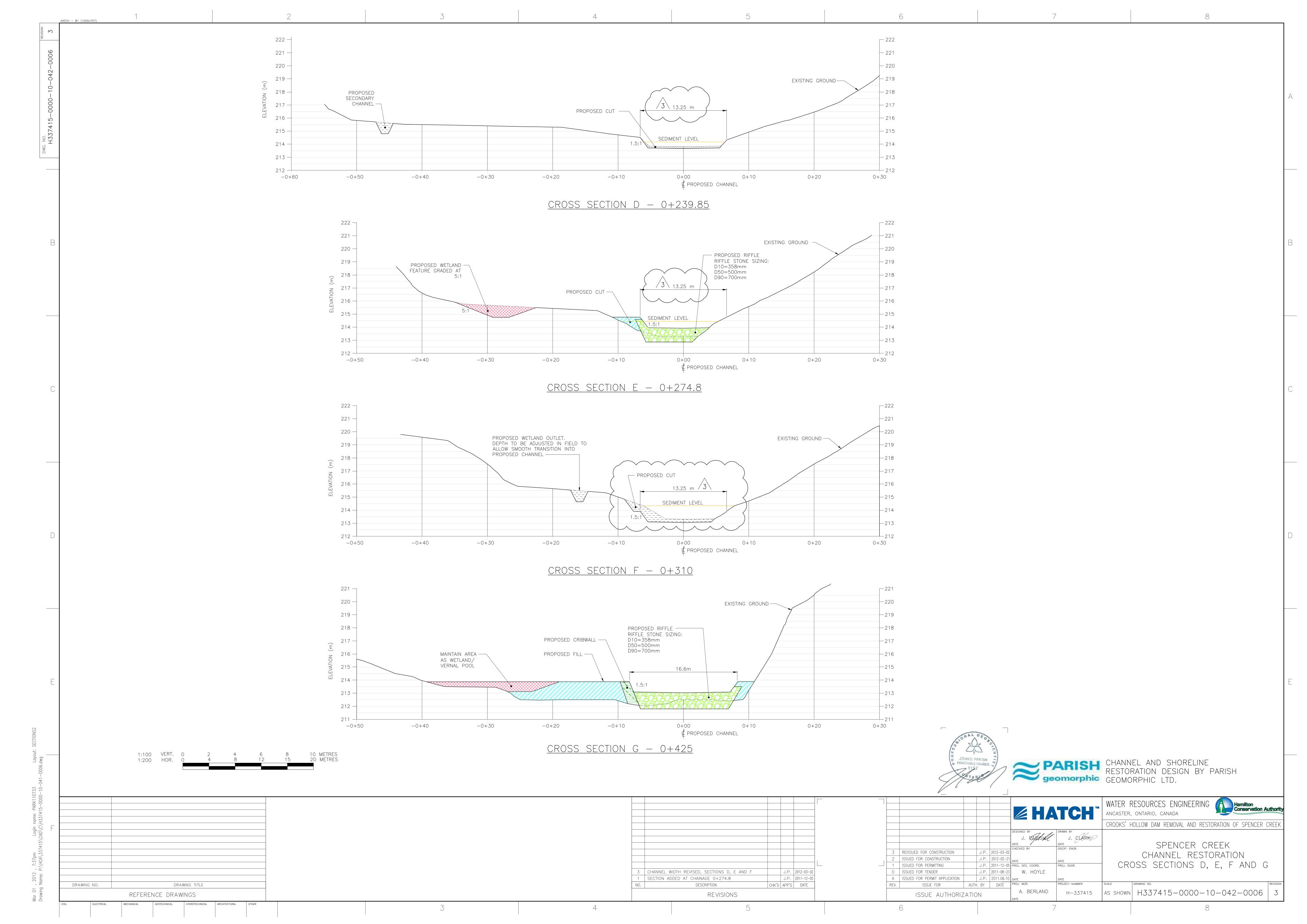


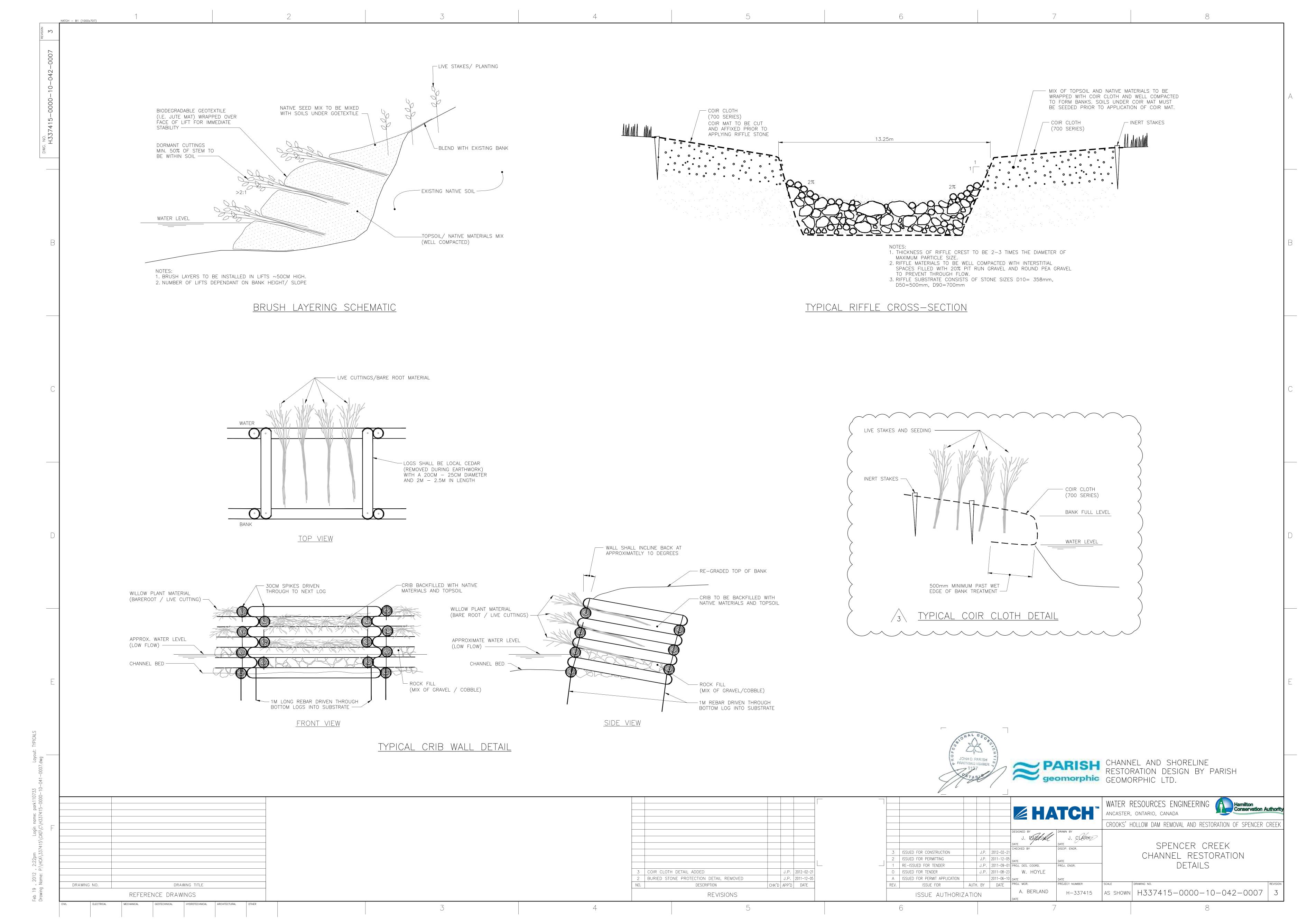


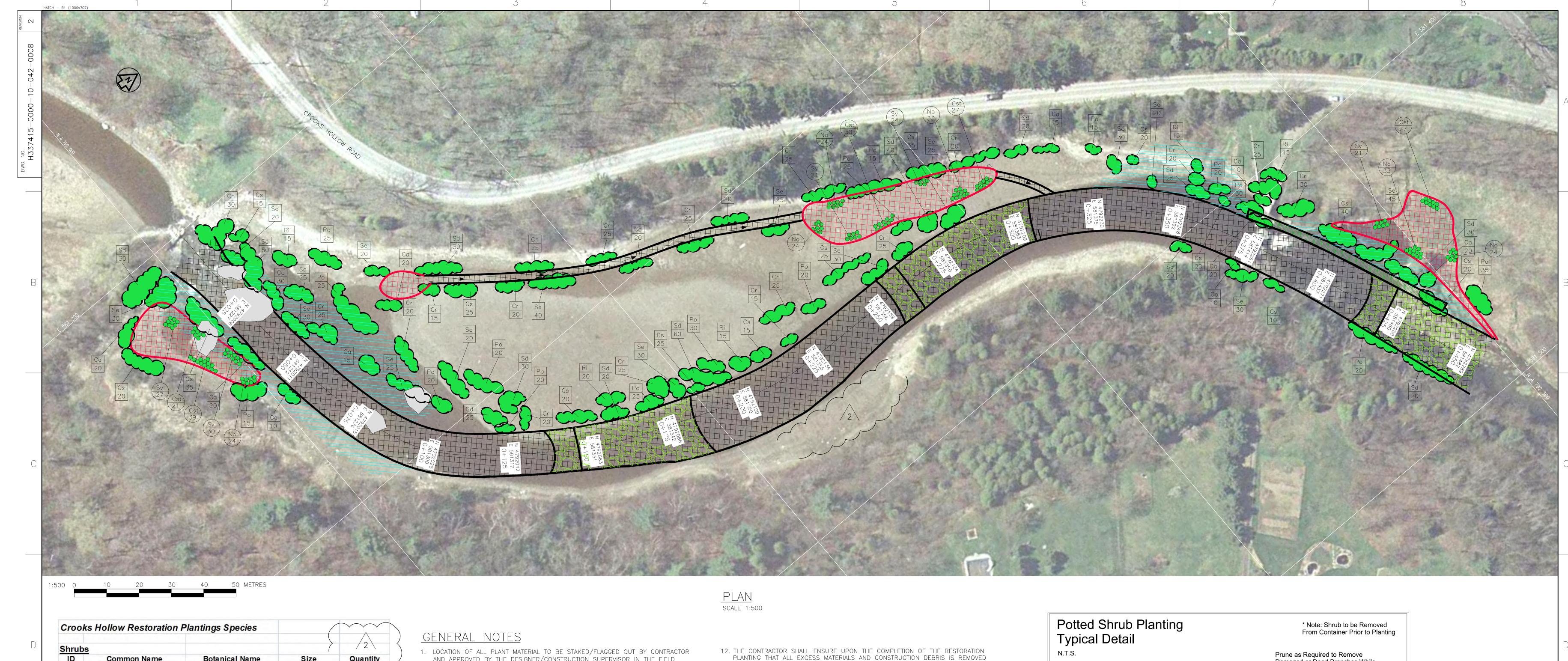












ID Common Name **Botanical Name** Size Quantity Alternate-leaved Dogwood Cornus alternifolia 1 gal Potted 210 465 Cornus racemosa 1 gal Potted Grey Dogwood Red-osier Dogwood Cornus stolonifera 1 gal Potted 385 144 Carex stricta Tussock Sedge 10cm pots 159 15cm pots White Water Lily Nymphaea odorata 375 Common Ninebark Physocarpus opulifolius 1 gal Potted Rubus idaeus Wild Red Raspberry 1 gal Potted 90 Salix discolor 495 1 gal Potted Pussy Willow 340 Salix exigua 1 gal Potted Sandbar Willow Soft Stemmed Rush Scirpus validus 10cm pots 122 Seed Mixture Seed untreated banks, floodplain and disturbed areas with: Pickseed NaturePro - Tall Growing 20% Big Bluestem 20% Switchgrass 20% Indiangrass 30% Canada Wild Rye 10% Prairie Brome *Can also be applied with annual ryegrass nursecrop at 70 kg/acre (80 lbs) Seed rate at 15kg/hectare applied with 45mm depth Filtrexx GrowthMedia Erosion Control Blanket (GECB)

DRAWING TITLE

REFERENCE DRAWINGS

- AND APPROVED BY THE DESIGNER/CONSTRUCTION SUPERVISOR IN THE FIELD PRIOR TO PLANTING.
- 2. DUE TO THE NEED TO ESTABLISH A NATIVE PLANT COMMUNITY, ALL PLANT MATERIAL MUST BE LOCALLY GROWN NATIVE NURSERY STOCK FREE OF DISEASE AND OF THE SPECIFIED SIZE AND SPECIES.
- 3. THE CONTRACTOR SHALL SUBMIT A DETAILED LIST OF PLANT SOURCES/SUPPLIERS WITHIN 10 DAYS OF CONTRACT AWARD.

4. NO SUBSTITUTION OF SPECIES, SIZE OR PLANT TYPE WILL BE PERMITTED WITHOUT

- PRIOR AUTHORIZATION FROM THE DESIGNER/CONSTRUCTION SUPERVISOR. 5. PLANTING LOCATIONS AS SHOWN IN THE PLANS MUST BE ADHERED TO UNLESS
- DIRECTED OTHERWISE BY THE DESIGNER/CONSTRUCTION SUPERVISOR.
- 6. ALL PLANT MATERIAL SHALL BE INSTALLED DURING APPROPRIATE SEASONAL CONDITIONS. PLANTS MAY NOT BE INSTALLED INTO FROZEN OR SATURATED GROUNDS.
- 7. PLANTING PITS TO BE BACKFILLED WITH ORGANIC LOAM IN A FRIABLE CONDITION FREE OF LUMPS, STONES, DEBRIS, ETC. ALL BACKFILL MATERIAL SHALL BE HAND TAMPED SUFFICIENTLY TO ELIMINATE AIR POCKETS AND TO PREVENT SETTLING.
- 8. THE CONTRACTOR SHALL ANTICIPATE DIFFICULT SITE CONDITIONS DUE TO THE PROXIMITY TO WATER AND SHALL ENSURE DISTURBANCE TO THE SITE THROUGH MACHINERY ACCESS IS LIMITED. ALL DISTURBANCE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. 9. THE CONTRACT SHALL ENSURE THAT ALL EXISTING VEGETATION NOT DESIGNATED
- THE SATISFACTION OF THE DESIGNER/CONSTRUCTION SUPERVISOR. 10. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SEEDED OR MULCHED AREAS.

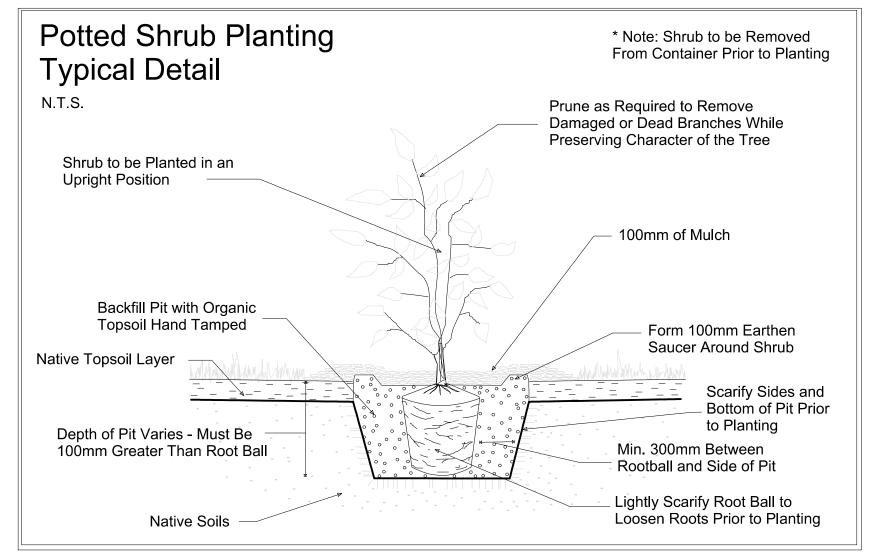
FOR REMOVAL IS PROTECTED THROUGH ALL STAGES OF CONSTRUCTION. ALL DAMAGED VEGETATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE TO

11. THE CONTRACTOR SHALL ENSURE PLANTINGS ARE COMPLETED IN A MANNER WHERE NO DISTURBANCE TO COMPLETED PLANTINGS IS REQUIRED ONCE INSTALLED.

- FROM THE PROJECT SITE TO THE SATISFACTION OF THE DESIGNER/CONSTRUCTION SUPERVISOR.
- HYDRAULIC METHOD OF SEED APPLICATION SHALL NOT BE PERMITTED.

13. SEED AND MULCH SHOULD BE THROUGH APPLICATION OF TERRASEED. THE

- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING INSTALLED PLANT MATERIAL SUFFICIENTLY TO ENSURE SURVIVAL. WATERING SHALL CONTINUE AS REQUIRED UNTIL PLANTS HAVE ESTABLISHED.
- 15. THE CONTRACTOR SHALL WARRANTY ALL PLANT MATERIAL FOR A PERIOD OF NO LESS THAN 2 YEARS. ALL DEFICIENT OR DEAD PLANT MATERIAL SHALL BE REPLACED UNDER WARRANTY WITHIN THE 2 YEAR PERIOD ON AN AS-DIRECTED
- 16. THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED AREAS ARE SEEDED.
- 17. REFER TO TYPICAL DETAILS FOR ADDITIONAL PLANTING INFORMATION SPECIFIC TO PLANT MATERIAL TYPE.







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WATER RESOURCES ENGINEERING

HATCH 2 ISSUED FOR CONSTRUCTION J.P. 2012-02-21 1 RE-ISSUED FOR TENDER J.P. 2011-09-01 PROJ. DES. COORD. O ISSUED FOR TENDER

SPENCER CREEK CHANNEL RESTORATION

PLANTING PLAN

CROOKS' HOLLOW DAM REMOVAL AND RESTORATION OF SPENCER CREEK J.P. 2011-08-23 W. HOYLE SHRUBS DELETED ALONG EAST SHORELINE, QUANTITIES REVISED DRAWING NUMBER REVISED (WAS H337415-0000-10-042-0010) A ISSUED FOR PERMIT APPLICATION 2011-06-10 DATE J.P. 2012-02-21 AUTH. BY DATE PROJ. MGR. CHK'D APP'D DATE ISSUE FOR DESCRIPTION AS SHOWN H337415-0000-10-042-0008 A. BRELAND REVISIONS ISSUE AUTHORIZATION

DRAWING NO.

