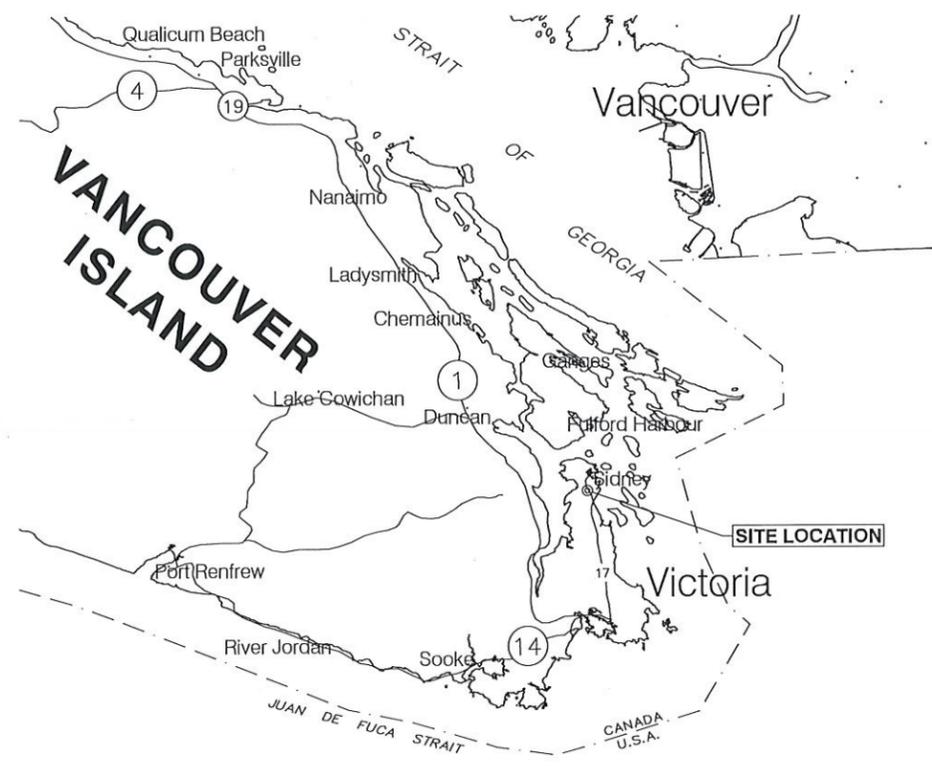


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 millimeters
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SITE PLAN
Scale 1:2,500



KEY PLAN
N.T.S.

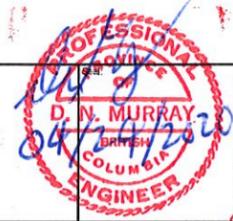
- SURVEY**
1. SURVEY CONTROL ESTABLISHED BY JE ANDERSON & ASSOCIATES (DECEMBER 2017 & NOVEMBER 2019)
 2. HORIZONTAL DISTANCES ARE MEASURED GROUND. TO OBTAIN GRID DISTANCES MULTIPLY BY 0.999612675 WITH SCALE ABOUT 0.5.
 3. ELEVATION DATUM IS GEODETIC ESTABLISHED FROM MON #79H0484.
 4. ALL ELEVATIONS AND CHAINAGES SHOWN ARE IN METERS, DIMENSIONS AS NOTED.
 5. CONTROL POINTS:

| PT NO. | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|--------|-------------|------------|-----------|---------------------|
| 20 | 5389519.830 | 469599.764 | 10.393 | SPIKE#20 |
| 21 | 5389529.224 | 469521.938 | 8.476 | SPIKE#21 |
| 22 | 5389519.265 | 469550.990 | 7.838 | SPIKE#22 |
| 259 | 5389645.511 | 469418.501 | 11.271 | PK-NAIL#259 |
| 261 | 5389608.679 | 469431.105 | 10.876 | SPIKE#261 |
| 298 | 5389646.422 | 469386.328 | 9.951 | PK-NAIL#298 |
| 332 | 5389644.658 | 469358.674 | 10.670 | SPIKE#332 |
| 414 | 5389593.505 | 469457.675 | 9.795 | SPIKE#414 |
| 415 | 5389576.608 | 469453.288 | 7.858 | SPIKE#415 |
| 460 | 5389576.205 | 469485.398 | 8.787 | SPIKE#460 |
| 490 | 5389605.339 | 469520.822 | 10.500 | SPIKE#490 |
| 496 | 5389549.801 | 469553.066 | 9.520 | SPIKE#496 |
| 510 | 5389517.237 | 469598.007 | 9.836 | PK-NAIL#510 |
| 516 | 5389488.075 | 469558.103 | 7.550 | SPIKE#516 |
| 517 | 5389480.153 | 469606.998 | 10.043 | SPIKE#517 |
| 525 | 5389458.298 | 469605.280 | 7.584 | SPIKE#525 |
| 721 | 5389612.263 | 469412.877 | 11.260 | PK-NAIL#721 |
| 740 | 5389467.176 | 469572.888 | 7.861 | SPIKE#740 |
| 1001 | 5389600.828 | 469423.942 | 11.204 | SPIKE#1001 SHLDR |
| 1035 | 5389489.608 | 469576.517 | 7.711 | SPIKE#1035 TOP DAMN |
| 790492 | 5389378.308 | 469364.088 | 11.749 | MON#79H0492 |
| 790484 | 5389751.596 | 469458.704 | 13.264 | MON#79H0484 |
| 3018 | 5389645.039 | 469346.495 | 11.002 | SPIKE#3018 |
| 3038 | 5389778.673 | 469230.315 | 11.753 | PK-NAIL#3038 |
| 3098 | 5389572.368 | 469454.546 | 7.364 | SPIKE#3098 |
| 3104 | 5389566.888 | 469483.537 | 8.800 | SPIKE#3104 |
| 3128 | 5389556.263 | 469532.154 | 9.764 | PK-NAIL#3128 |
| 3139 | 5389528.050 | 469584.204 | 9.857 | PK-NAIL#3139 |
| 1201 | 5389532.784 | 469590.720 | 9.909 | RIVET IN CURB |
| 1202 | 5389498.212 | 469598.274 | 9.959 | RIVET IN CURB |
| 1205 | 5389485.189 | 469559.621 | 7.270 | RIVET TOP WALL |

TRANSPORT CANADA

2020 KEL,SET (REAY) CREEK POND REMEDIATION

| Sheet Number | Sheet Title |
|--------------|---|
| G-001 | SITE PLAN, KEY PLAN, & DRAWING LIST |
| G-002 | TOWN OF SIDNEY / POND AREA - EXISTING CONDITIONS & CONSTRUCTION SITE BOUNDARY |
| G-003 | VAA LANDS - CONSTRUCTION SITE & LAYDOWN AREA BOUNDARY |
| C-501 | REACH 5 - EXCAVATION PLAN & PROFILE STA. 5+000 TO 5+120 |
| C-502 | REACH 5 - EXCAVATION PLAN & PROFILE STA. 5+120 TO 5+230 |
| C-503 | REACH 5 - SECTIONS |
| C-504 | REACH 5 - DETAILS |

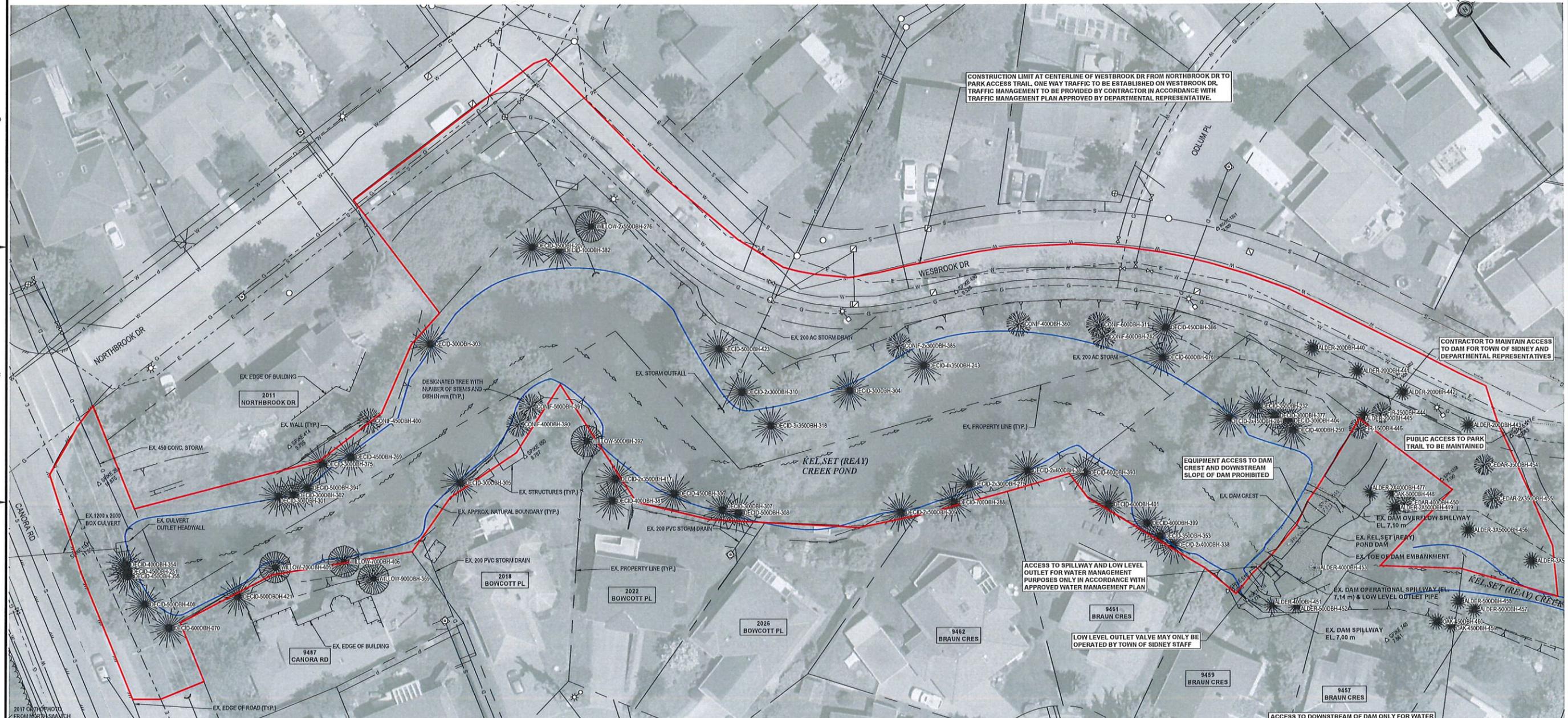


| Rev | Date | Des | Dwn | Chk | Description of Revision |
|-----|------------|-----|-----|-----|--------------------------|
| A | 2018-03-02 | DNM | PAC | | 50% CONCEPT DESIGN |
| B | 2019-02-22 | CS | PAC | | ISSUED FOR 70% DESIGN |
| C | 2020-01-17 | DNM | PAC | CS | ISSUED FOR 90% DESIGN |
| D | 2020-02-20 | DNM | PAC | CS | ISSUED FOR 100% DESIGN |
| E | 2020-03-11 | DNM | PAC | CS | ISSUED FOR TENDER REVIEW |



TRANSPORT CANADA
 KEL,SET (REAY) CREEK POND REMEDIATION
 KEL,SET (REAY) CREEK POND
 SITE PLAN, KEY PLAN, & DRAWING LIST

Project No. **2396-009** Drawing No. **G-001** Rev. **E**
 Group **GENERAL**



CONSTRUCTION LIMIT AT CENTERLINE OF WESTBROOK DR FROM NORTHBROOK DR TO PARK ACCESS TRAIL. ONE WAY TRAFFIC TO BE ESTABLISHED ON WESTBROOK DR. TRAFFIC MANAGEMENT TO BE PROVIDED BY CONTRACTOR IN ACCORDANCE WITH TRAFFIC MANAGEMENT PLAN APPROVED BY DEPARTMENTAL REPRESENTATIVE.

CONTRACTOR TO MAINTAIN ACCESS TO DAM FOR TOWN OF SIDNEY AND DEPARTMENTAL REPRESENTATIVES

PUBLIC ACCESS TO PARK TRAIL TO BE MAINTAINED

EQUIPMENT ACCESS TO DAM CREST AND DOWNSTREAM SLOPE OF DAM PROHIBITED

ACCESS TO SPILLWAY AND LOW LEVEL OUTLET FOR WATER MANAGEMENT PURPOSES ONLY IN ACCORDANCE WITH APPROVED WATER MANAGEMENT PLAN

LOW LEVEL OUTLET VALVE MAY ONLY BE OPERATED BY TOWN OF SIDNEY STAFF

ACCESS TO DOWNSTREAM OF DAM ONLY FOR WATER MANAGEMENT IN ACCORDANCE WITH WATER MANAGEMENT PLAN APPROVED BY DEPARTMENTAL REPRESENTATIVE. DISCHARGE POINT MUST BE NO CLOSER THAN 10 m FROM DOWNSTREAM TOE OF DAM

TEMPORARY ACCESS FROM CANORA ROAD MAY BE ALLOWED IN ACCORDANCE WITH THE TRAFFIC MANAGEMENT PLAN PREPARED BY CONTRACTOR AND APPROVED BY DEPARTMENTAL REPRESENTATIVE

PLAN
Scale 1:300

- NOTES:**
- WORKSITE IS BOUNDED BY PRIVATE PROPERTY BOUNDARIES AROUND THE POND UNLESS OTHERWISE NOTED ON THE PLAN.
 - PROPERTY LINES SHOWN ARE BEST FIT FROM TOWN OF SIDNEY CADASTRAL INFORMATION, CONTRACTOR TO DETERMINE ACTUAL LEGAL LINES AS REQUIRED DURING CONSTRUCTION.

LEGEND:

CONSTRUCTION SITE - THE AREA CONTAINED WITHIN THE SOLID LINES ON THE PLAN DEFINED AS THE CONSTRUCTION SITE FOR THE PURPOSE OF CONTRACT. PROVIDE CONSTRUCTION FENCING TO CONTROL WORK AREA ALONG ENTIRE CONSTRUCTION BOUNDARY, 1.8 m HIGH, TO BE FABRIC COVERED TO BLOCK SIGHT LINES, TO BE SECURELY FASTENED. FINAL FENCE ALIGNMENT TO BE CONFIRMED WITH DEPARTMENTAL REPRESENTATIVE. CONTRACTOR TO INCLUDE DESIGNATED AREA FOR WATER TREATMENT EQUIPMENT WITHIN CONSTRUCTION BOUNDARY AS PER CONTRACTOR PREPARED WATER MANAGEMENT PLAN APPROVED BY DEPARTMENTAL REPRESENTATIVE.

APPROXIMATE NATURAL BOUNDARY OF POND



| Rev | Date | Des | Dwn | Chk | Description of Revision | Rev | Date | Des | Dwn | Chk | Description of Revision |
|-----|------------|-----|-----|-----|--------------------------|-----|------|-----|-----|-----|-------------------------|
| A | 2020-01-17 | CS | PAC | DNM | ISSUED FOR 90% DESIGN | | | | | | |
| B | 2020-02-20 | CS | PAC | DNM | ISSUED FOR 100% DESIGN | | | | | | |
| C | 2020-03-11 | CS | PAC | DNM | ISSUED FOR TENDER REVIEW | | | | | | |

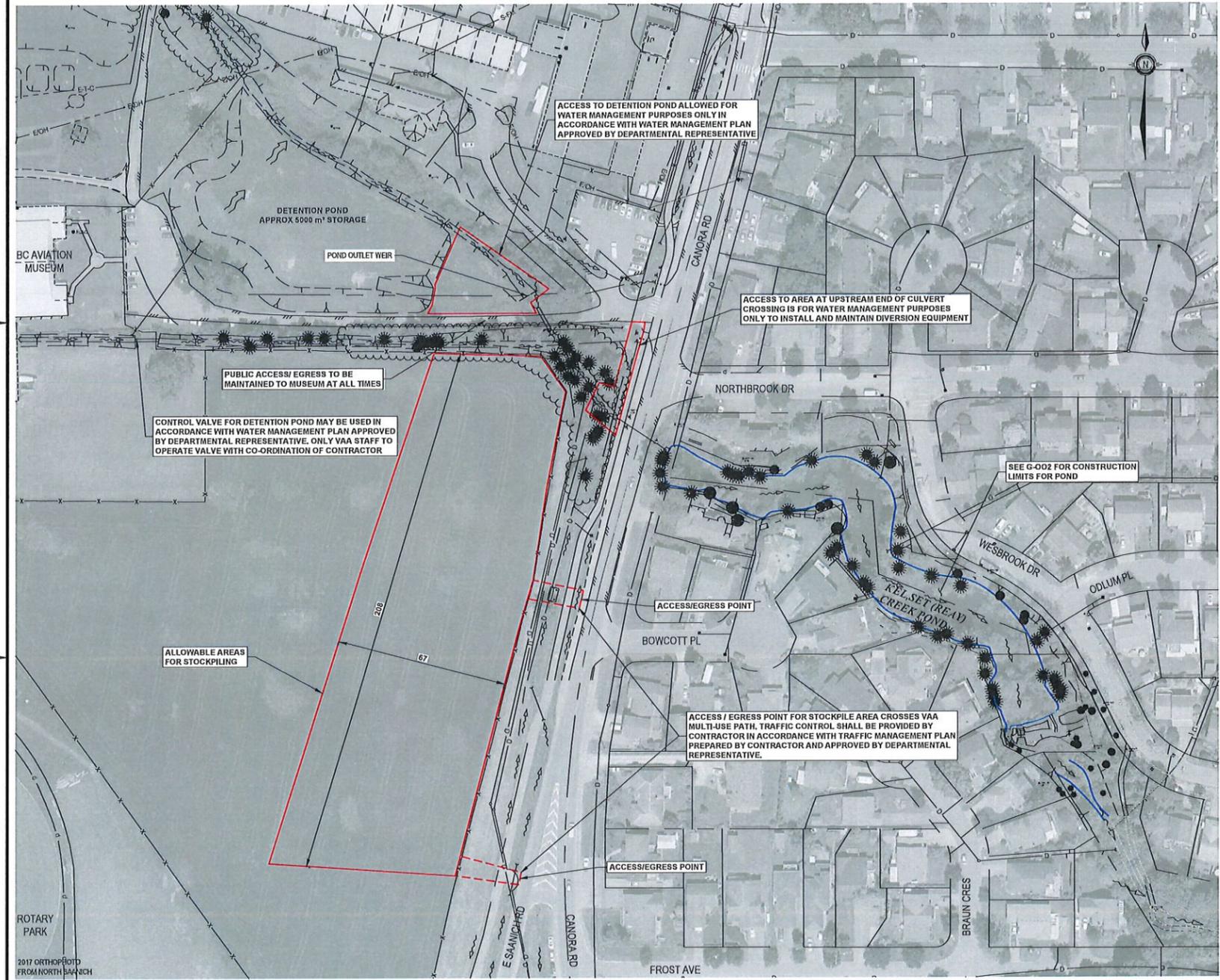
TRANSPORT CANADA
 KEL,SET (REAY) CREEK POND REMEDIATION
 KEL,SET (REAY) CREEK POND
 TOWN OF SIDNEY/ POND AREA
 EXISTING CONDITIONS & CONSTRUCTION SITE BOUNDARY

Project No. 2396-009
 Group GENERAL
 Drawing No. G-002
 Rev. C

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Plot Size = ANSI D
 At Full Size, this border measures 50 mm x 80 mm

100
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 millimetres



NOTES:
 1. WORKSITE IS BOUNDED BY PRIVATE PROPERTY BOUNDARIES AROUND THE POND UNLESS OTHERWISE NOTED ON THE PLAN. HOWEVER, AT ALL OTHER TIMES THE AREA MUST BE KEPT CLEAR OF ALL EQUIPMENT AND MATERIALS TO MAINTAIN ACCESS FOR PUBLIC. TRAFFIC MANAGEMENT WILL BE REQUIRED DURING PERIODS WHEN CONSTRUCTION ACCESS AREAS ARE BEING OCCUPIED BY CONTRACTOR AS OUTLINED IN TRAFFIC MANAGEMENT PLAN TO BE PREPARED BY THE CONTRACTOR.
 2. PROPERTY LINES SHOWN ARE BEST FIT FROM TOWN OF SIDNEY CADASTRAL INFORMATION. CONTRACTOR TO DETERMINE ACTUAL LEGAL LINES AS REQUIRED DURING CONSTRUCTION.

PLAN
 Scale 1:1000
 0 10 (1:1,000) 50m

LEGEND:

- CONSTRUCTION ACCESS AREA - CONTRACTOR MAY USE DEFINED AREA FOR ACCESS/EGRESS TO THE CONSTRUCTION SITE. HOWEVER, AT ALL OTHER TIMES THE AREA MUST BE KEPT CLEAR OF ALL EQUIPMENT AND MATERIALS TO MAINTAIN ACCESS FOR PUBLIC. TRAFFIC MANAGEMENT WILL BE REQUIRED DURING PERIODS WHEN CONSTRUCTION ACCESS AREAS ARE BEING OCCUPIED BY CONTRACTOR AS OUTLINED IN TRAFFIC MANAGEMENT PLAN TO BE PREPARED BY THE CONTRACTOR.
- CONSTRUCTION SITE - THE AREA CONTAINED WITHIN THE SOLID LINES ON THE PLAN DEFINED AS THE CONSTRUCTION SITE FOR THE PURPOSE OF CONTRACT. PROVIDE CONSTRUCTION FENCING TO CONTROL WORK AREA ALONG ENTIRE CONSTRUCTION BOUNDARY, 1.8 m HIGH, TO BE FABRIC COVERED TO BLOCK SIGHT LINES, TO BE SECURELY FASTENED. FINAL FENCE ALIGNMENT TO BE CONFIRMED WITH DEPARTMENTAL REPRESENTATIVE. CONTRACTOR TO INCLUDE DESIGNATED AREA FOR WATER TREATMENT EQUIPMENT WITHIN CONSTRUCTION BOUNDARY AS PER CONTRACTOR PREPARED WATER MANAGEMENT PLAN APPROVED BY DEPARTMENTAL REPRESENTATIVE.
- APPROXIMATE NATURAL BOUNDARY OF POND

KWL KERR WOOD LEIDAL
 consulting engineers



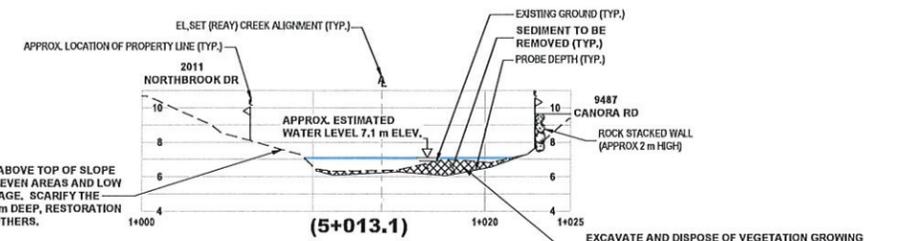
| Rev | Date | Des | Dwn | Chk | Description of Revision | Rev | Date | Des | Dwn | Chk | Description of Revision |
|-----|------------|-----|-----|-----|--------------------------|-----|------|-----|-----|-----|-------------------------|
| A | 2020-01-17 | CS | PAC | DNM | ISSUED FOR 90% DESIGN | | | | | | |
| B | 2020-02-20 | CS | PAC | DNM | ISSUED FOR 100% DESIGN | | | | | | |
| C | 2020-03-11 | CS | PAC | DNM | ISSUED FOR TENDER REVIEW | | | | | | |

TRANSPORT CANADA
 KÉL,SET (REAY) CREEK POND REMEDIATION
 KÉL,SET (REAY) CREEK POND
 VAA LANDS
 CONSTRUCTION SITE & LAYDOWN AREA BOUNDARY

Project No. 2396-009
 Group GENERAL
 Drawing No. G-003
 Rev. C

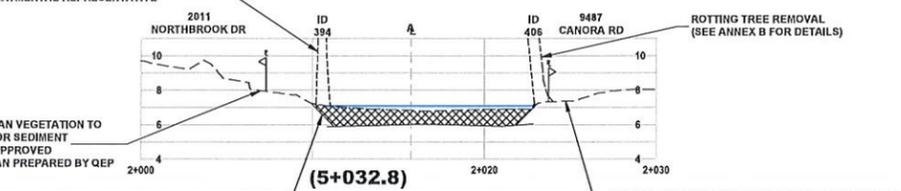
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SECTIONS DRAWN
LOOKING DOWNSTREAM



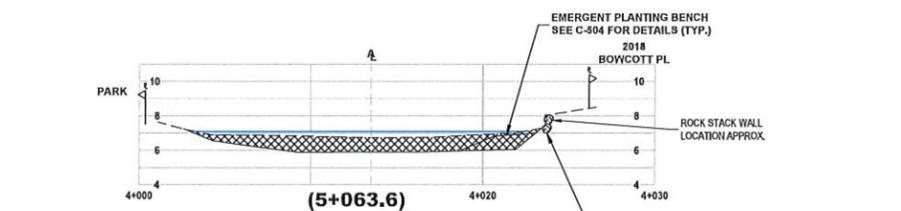
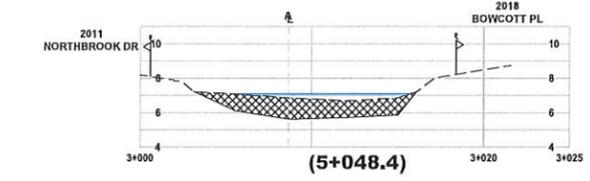
RESTORE DISTURBED AREA (TYP.) ABOVE TOP OF SLOPE BY GRADING SOIL, ELIMINATING UNEVEN AREAS AND LOW SPOTS, ENSURING POSITIVE DRAINAGE. SCARIFY THE GRADED SURFACE A MIN. OF 100 mm DEEP, RESTORATION PLANTING TO BE PERFORMED BY OTHERS.

WHERE POSSIBLE PROTECT TREE WITH HAND REMOVAL OF SEDIMENTS (SEE ANNEX B) UNLESS TREE REMOVAL IS DETERMINED IN FIELD BY CONTRACTOR'S ARBORIST AND GEOTECHNICAL ENGINEER AND DEPARTMENTAL REPRESENTATIVE

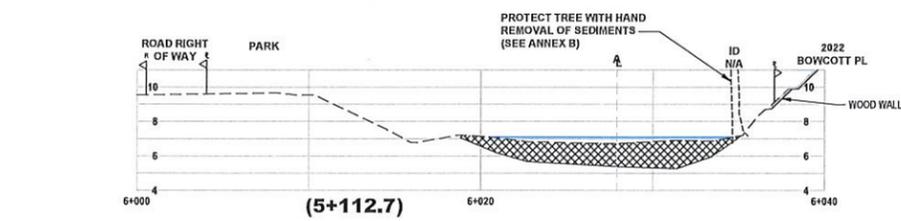
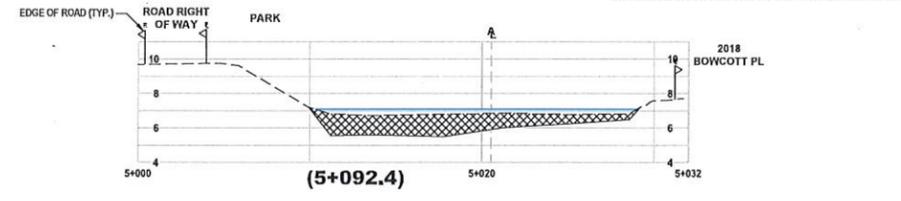


MINIMIZE DISTURBANCE TO RIPARIAN VEGETATION TO PROVIDE REASONABLE ACCESS FOR SEDIMENT REMOVAL IN ACCORDANCE WITH APPROVED ENVIRONMENTAL PROTECTION PLAN PREPARED BY QEP

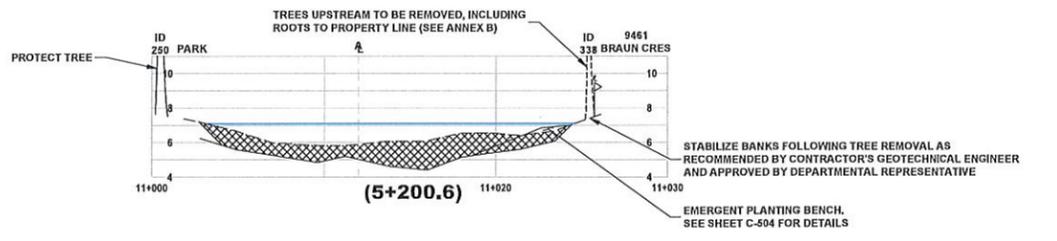
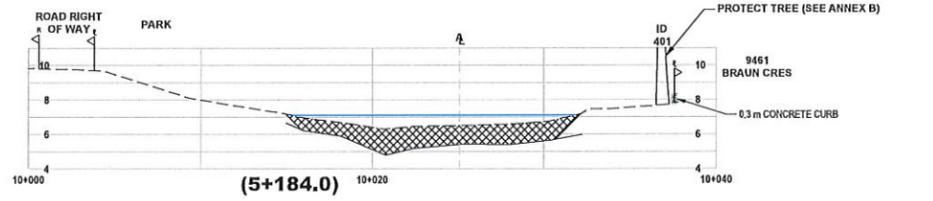
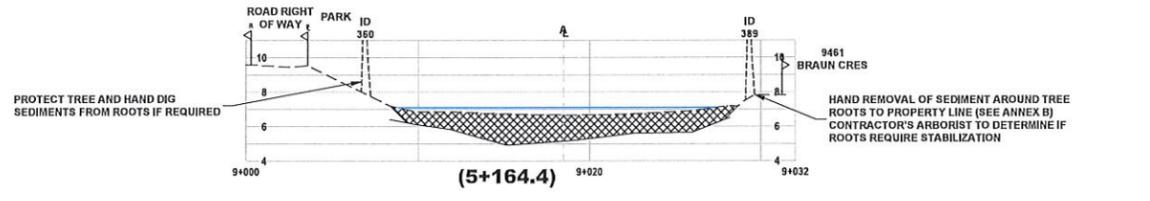
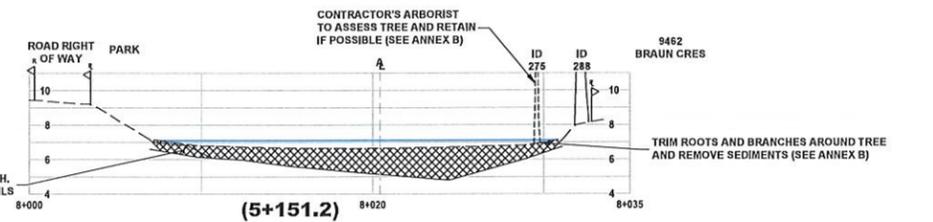
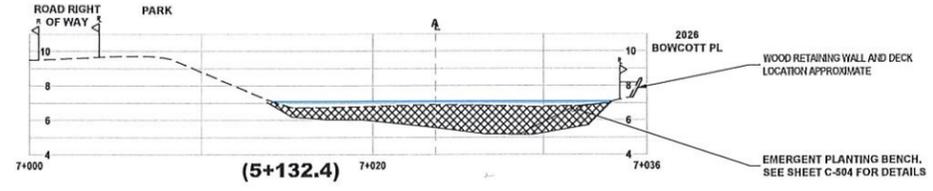
CUT SLOPE AT 1:1 AND STABILIZE AS DETERMINED BY CONTRACTOR'S GEOTECHNICAL ENGINEER AND APPROVED BY DEPARTMENTAL REPRESENTATIVE (TYP.)



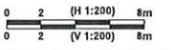
STRUCTURES LOCATED ON PARK LAND (TYP.) TO BE REMOVED IF REQUIRED FOR SEDIMENT REMOVAL AND SLOPE STABILIZED WITH BACKFILLED SLOPE AS DETERMINED BY CONTRACTOR'S GEOTECHNICAL ENGINEER AND APPROVED BY DEPARTMENTAL REPRESENTATIVE



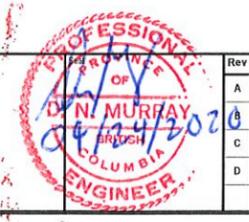
SLOPE STABILIZATION:
AFTER REMOVAL OF SEDIMENTS STABILIZE BANKS BY PLACING BACKFILL AT MINIMUM 2H:1V SLOPE OR OTHER MEANS AS DETERMINED BY CONTRACTOR'S GEOTECHNICAL ENGINEER AND APPROVED BY THE DEPARTMENTAL REPRESENTATIVE



- CONTRACTOR TO RETAIN GEOTECHNICAL ENGINEER TO ADVISE ON WORK NEAR DAM STRUCTURE
- POND SEDIMENT MAY BE REMOVED FROM THE EXISTING UPSTREAM SLOPE OF THE DAM PROVIDED A MAXIMUM TEMPORARY EXCAVATION SLOPE OF 1.5H TO 1V IS MAINTAINED.
- LOCALIZED STEEPER TEMPORARY EXCAVATIONS TO REMOVE SEDIMENTS ALONG THE DAM FACE MAY BE PERMISSIBLE BUT MUST BE CARRIED OUT IN SHORT SECTIONS UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER. THESE EXCAVATIONS SHOULD BE BACKFILLED PROMPTLY USING APPROVED BACKFILL, WHICH IS ANTICIPATED TO CONSIST OF FREE DRAINING GRANULAR SOIL.
- FOLLOWING SEDIMENT REMOVAL, APPROVED BACKFILL SHOULD BE PLACED ALONG THE TOE OF THE DAM TO PROVIDE A MAXIMUM SLOPE ANGLE OF 2H TO 1V. THIS IS INTENDED TO PROVIDE AN OVERALL FACTOR OF SAFETY THAT IS AT LEAST EQUIVALENT TO THE CURRENT VALUE.



KW KERR WOOD LEIDAL
consulting engineers



| Rev | Date | Des | Dwn | Chk | Description of Revision | Rev | Date | Des | Dwn | Chk | Description of Revision |
|-----|------------|-----|-----|-----|--------------------------|-----|------|-----|-----|-----|-------------------------|
| A | 2019-03-12 | CS | PAC | CS | ISSUED FOR 70% DESIGN | | | | | | |
| B | 2020-01-17 | CS | PAC | DNM | ISSUED FOR 90% DESIGN | | | | | | |
| C | 2020-02-20 | CS | PAC | DNM | ISSUED FOR 100% DESIGN | | | | | | |
| D | 2020-03-11 | CS | PAC | DNM | ISSUED FOR TENDER REVIEW | | | | | | |

TRANSPORT CANADA
 KEL, SET (REAY) CREEK POND REMEDIATION
 KEL, SET (REAY) CREEK POND
 REACH 5
 SECTIONS

Project No. 2396-009
 Group CIVIL
 Drawing No. C-503
 Rev. D

