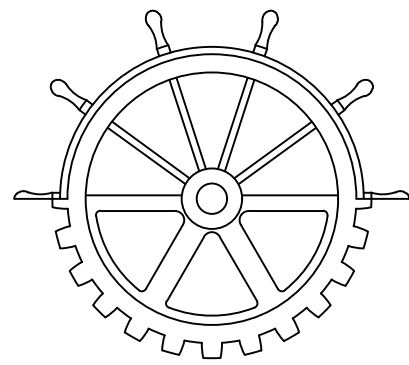




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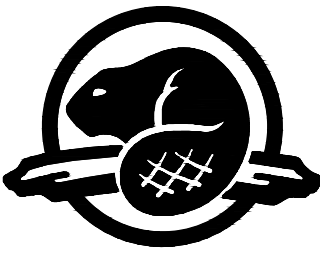
Ontario Region
Parks Canada Infrastructure Directorate
Heritage Canals and Engineering Works

Région de l'Ontario
Direction de l'infrastructure de Parcs Canada
Canaux historiques et travaux d'ingénierie



Parks
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AERIAL PHOTO

TRENT-SEVERN WATERWAY DAM AT LOCK 28 - BURLEIGH FALLS RECONSTRUCTION

GENERAL DRAWINGS

DRAWING No: DRAWING TITLE

000	LIST OF DRAWINGS
001	LIST OF REFERENCE DRAWINGS
002	GENERAL NOTES, LEGEND, TABLES & ABBREVIATIONS
003	CONSTRUCTION PHASING - PHASE 1 - GENERAL ARRANGEMENT
004	CONSTRUCTION PHASING - PHASE 2 - GENERAL ARRANGEMENT
005	CONSTRUCTION PHASING - PHASE 3 - GENERAL ARRANGEMENT

DEMOLITION DRAWINGS

DRAWING No: DRAWING TITLE

100	DEMOLITION - PHASE 1 - EXISTING MAIN DAM - GAINS AND SILLS - PLAN AND SECTIONS
101	DEMOLITION - PHASE 2 - NORTH RETAINING WALL - PLAN, SECTIONS AND DETAIL
102	DEMOLITION - PHASE 2 - EXISTING MAIN DAM - PLAN AND SECTIONS
103	DEMOLITION - PHASE 3 - SOUTH GRAVITY DAM - PLAN AND SECTIONS
104	DEMOLITION - PHASE 3 - EXISTING MAIN DAM - PLAN AND SECTIONS

TEMPORARY WORKS DRAWINGS

DRAWING No: DRAWING TITLE

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201	TEMPORARY WORKS - PHASE 1 - VOID TREATMENT - PLAN AND SECTIONS
202	TEMPORARY WORKS - PHASE 1 - STOPLOG GAINS AND SILLS - PLAN, SECTIONS AND DETAIL
203 (SH1 OF 2)	TEMPORARY WORKS - PHASE 1 - SOUTH DECK EXTENTION - PLAN, SECTIONS AND DETAILS
203 (SH2 OF 2)	TEMPORARY WORKS - PHASE 1 - SOUTH DECK EXTENTION - PLAN, SECTIONS AND DETAILS
204	TEMPORARY WORKS - PHASE 1 - PROPOSED BULKHEAD TYPICAL ARRANGEMENT
205	TEMPORARY WORKS - STEEL STOP LOGS - PLAN, ELEVATION, SECTIONS AND DETAILS
206	TEMPORARY WORKS - GANTRY - PLAN, ELEVATION AND SECTION
207	TEMPORARY WORKS - LOGLIFTER RAILS - EXTENSION BRACING - PLANS, SECTIONS AND DETAILS

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DRAWING No: DRAWING TITLE

300	CONCRETE - GENERAL LAYOUT - PLAN AND ELEVATION
301 (SH1 OF 3)	CONCRETE - SPILLWAY - APRON AND SILLS - PLAN, ELEVATIONS, SECTIONS AND DETAILS
301 (SH2 OF 3)	CONCRETE - SPILLWAY - APRON AND SILLS - PLAN, ELEVATIONS, SECTIONS AND DETAILS
301 (SH3 OF 3)	CONCRETE - SPILLWAY - APRON AND SILLS - PLAN, ELEVATIONS, SECTIONS AND DETAILS
302	CONCRETE - INTERMEDIATE PIERS - PLAN, ELEVATION, SECTIONS AND DETAILS
303	CONCRETE - SOUTH ABUTMENT - PLAN, ELEVATION, SECTIONS AND DETAIL
304	CONCRETE - NORTH ABUTMENT - PLAN, ELEVATION, SECTIONS AND DETAIL
305	CONCRETE - SOUTH GRAVITY DAM - PLAN, SECTIONS AND DETAIL
306	CONCRETE - NORTH GRAVITY DAM - PLAN, SECTIONS AND DETAILS
307 (SH1 OF 3)	CONCRETE - SPILLWAY AND DECK - PLAN, SECTIONS AND DETAILS
307 (SH2 OF 3)	CONCRETE - SPILLWAY AND DECK - PLAN, SECTIONS AND DETAILS
307 (SH3 OF 3)	CONCRETE - SPILLWAY AND DECK - PLAN, SECTIONS AND DETAILS

REINFORCEMENT DRAWINGS

DRAWING No: DRAWING TITLE

400 (SH1 OF 3)	REINFORCEMENT - SPILLWAY - PLAN, ELEVATIONS AND SECTIONS
400 (SH2 OF 3)	REINFORCEMENT - SPILLWAY - PLAN, ELEVATIONS AND SECTIONS
400 (SH3 OF 3)	REINFORCEMENT - SPILLWAY - PLAN, ELEVATIONS AND SECTIONS
401	REINFORCEMENT - INTERMEDIATE PIERS - PLAN, ELEVATION, SECTIONS AND DETAIL
402	REINFORCEMENT - NORTH ABUTMENT - PLAN, ELEVATION, SECTIONS AND DETAIL
403	REINFORCEMENT - SOUTH ABUTMENT - PLAN, ELEVATION, SECTIONS AND DETAIL
404	REINFORCEMENT - SOUTH GRAVITY DAM - PLAN, ELEVATIONS AND SECTIONS
405	REINFORCEMENT - NORTH GRAVITY DAM - PLAN, ELEVATIONS AND SECTIONS

MISCELLANEOUS METAL PARTS DRAWINGS

DRAWING No: DRAWING TITLE

500	MISCELLANEOUS METALS PARTS - GENERAL LAYOUT - PLAN
501	MISCELLANEOUS METALS PARTS - GUARDRAILS AND LADDERS - SECTIONS AND DETAILS
502	MISCELLANEOUS METALS PARTS - GAIN AND PIER NOSING - PLAN, ELEVATION & DETAILS
503	MISCELLANEOUS METALS PARTS - GRATING, COVERS & - PLANS, SECTIONS & DETAILS
504	MISCELLANEOUS METALS PARTS - ACCESS GATES - ELEVATIONS, SECTIONS AND DETAILS
505	MISCELLANEOUS METALS PARTS - SIGN MOUNTING DETAILS
506	MISCELLANEOUS METALS PARTS - PUBLIC SAFETY MEASURES

MECHANICAL DRAWINGS

DRAWING No: DRAWING TITLE

600	MECHANICAL - STOP LOG LIFTER - PLAN, SECTION AND DETAIL
601	MECHANICAL - GAIN EMBEDDED PARTS AND JACK SUPPORT LOCKING SYSTEM DETAILS
602	MECHANICAL - TYPICAL SECTOR STOPLOG AND LIFTING BOLT DETAILS

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CIVIL DRAWINGS

DRAWING No: DRAWING TITLE

700 (SH1 OF 3)	CIVIL - EXCAVATION - PLANS, ELEVATIONS AND SECTIONS
700 (SH2 OF 3)	CIVIL - EXCAVATION - PLANS, ELEVATIONS AND SECTIONS
700 (SH3 OF 3)	CIVIL - EXCAVATION - PLANS, ELEVATIONS AND SECTIONS
701 (SH1 OF 2)	CIVIL - GROUTING LAYOUT - PLANS, ELEVATIONS AND SECTIONS
701 (SH2 OF 2)	CIVIL - GROUTING LAYOUT - PLANS, ELEVATIONS AND SECTIONS
702	CIVIL - TEMPORARY ACCESSES AND LAYDOWN AREAS - SECTIONS
703	CIVIL - PERMANENT AND TEMPORARY IN WATER FOOTPRINTS - GENERAL ARRANGEMENT
704	CIVIL - BACKFILLING - PLAN AND SECTIONS

LIST OF ARCHITECTURAL DRAWINGS

DRAWING No DRAWING TITLE

800	GENERAL LAYOUT - LANDSCAPE - REHABILITATION PLAN
801	LANDSCAPE DETAILS

Canada

PSPC PROJECT NUMBER
R.076951.705

LIST OF REFERENCE DRAWINGS

<u>DRAWING No:</u>	<u>DRAWING FILE NAME</u>	<u>DRAWING TITLE</u>
900	T11-142.pdf	PLAN OF DAM AT LOCK No 28 - AS CONSTRUCTED (1931).
901	T11-18002.tif	STEEL REINFORCING IN STOPLOG PLATFROM AS BUILT LOCK 28
902	R.063182.001-100 SH.1 OF 4	BURLEIGH FALLS DAMS AND LOCK 28 - DAM SAFETY REVIEW - SITE PLAN
R.076951700.500	TRENT SEVERN WATERWAY -DAM AT LOCK 28 - BURLEIGH FALLS - REHABILITATION - INVESTIGATIONS PLAN	
R.076951700.501	TRENT SEVERN WATERWAY -DAM AT LOCK 28 - BURLEIGH FALLS - REHABILITATION - SUBSURFACE PROFILES	
R.076951700.101	TRENT SEVERN WATERWAY -DAM AT LOCK 28 - BURLEIGH FALLS - REHABILITATION - GENERAL LAYOUT - EXISTING CONDITIONS - PLAN AND SECTION	

05/13/2020
FOR TENDER

GENERAL NOTES:

- DRAWINGS MUST BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE "NATIONAL BUILDING CODE OF CANADA", NATIONAL STANDARDS, CODES OF PRACTICE AND LOCAL BY-LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION, INCLUDING FEDERAL, PROVINCIAL AND LOCAL HEALTH AND SAFETY LEGISLATION, REGULATIONS AND STANDARDS.
- IF NOT SPECIFICALLY INDICATED, ALL REFERENCES TO BUILDING CODES, MATERIAL AND PERFORMANCE SPECIFICATIONS, ARE TO LATEST EDITIONS OF THE PUBLICATIONS.
- IN CASE OF A DISCREPANCY BETWEEN CODES, STANDARDS AND REGULATIONS, THE MORE STRINGENT AND DEMANDING REFERENCE SHALL GOVERN, UNLESS ACCEPTED OTHERWISE BY DEPARTMENTAL REPRESENTATIVE IN WRITING.
- COORDINATE SYSTEM: UTM ZONE 17, HORIZONTAL DATUM NAD83-CSRS, VERTICAL DATUM CGVD28:1978.
- UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METERS.
- CHAINAGES ARE EXPRESSED IN METERS (1+234.567).
- DIMENSIONS ARE NOT TO BE SCALED FROM DRAWINGS
- EXISTING GROUND CONTOUR LINES AND PROFILES ARE APPROXIMATE AND SHOWN FOR INFORMATION ONLY.
- EXISTING GROUND BELOW WATER LEVEL IS NOT ACCURATE AND SHOWN FOR INFORMATION ONLY.
- ASSUMED BEDROCK IS NOT ACCURATE AND SHOWN FOR INFORMATION ONLY.
- THE ISOCONTOURS AND CROSS-SECTIONS PROFILES OF THE PRESUMED BEDROCK LEVEL DO NOT REPRESENT THE IRREGULARITIES NORMALLY ASSOCIATED WITH TOP OF BEDROCK. THE ACTUAL ISOCONTOURS AND CROSS-SECTIONS PROFILES OF THE BEDROCK ARE MORE IRREGULAR THAN THOSE PRESUMED.
- VERIFY ALL EXISTING SITE CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING WORK, INCLUDING DESIGN, SHOP DRAWING PREPARATION AND FABRICATION. IMMEDIATELY NOTIFY THE DEPARTMENTAL REPRESENTATIVE IN WRITING OF ALL DISCREPANCIES AND/OR OMISSIONS, IF ANY.
- THE DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES ARE INDICATIVE AND ORIGINATE FROM THE EXISTING DRAWINGS. VERIFY AND CONFIRM ALL CRITICAL LOCATIONS AND ELEVATIONS ON THE FIELD AT THE START OF WORK, AND BE RESPONSIBLE FOR ALL DIMENSIONS. REPORT ANY DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH ANY WORK.
- DURING EXCAVATION WORKS, ANY EXISTING UNDERGROUND UTILITIES OR SUBSTRUCTURE SHALL BE RELOCATED OR DISMANTLED OR DEMOLISHED AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- WATERSTOPS AND CONSTRUCTION JOINTS ARE INDICATED FOR REFERENCE AND MUST BE COORDINATED ON SITE WITH THE DEPARTMENTAL REPRESENTATIVE.
- ALL CONSTRUCTION JOINT SHALL BE ROUGHENED TO EXPOSE THE AGGREGATES TO FULL AMPLITUDE OF AT LEAST 5 mm (UNO).
- ALL EXPOSED VERTICAL, UPPER HORIZONTAL AND UPPER INCLINED INCLUDING, EDGES, IN-WATER CONCRETE EDGES, SHALL HAVE 6 mm INSET AND 75 mm (3") RADIUS EDGING, UNLESS NOTED OTHERWISE. ALL OTHER EDGES, SHALL HAVE 25x25 mm CHAMFER/FILLET.
- WHEN THE SURFACES OF THE WALLS ARE VISIBLE, TIE ROD HOLES SHALL BE ALIGNED VERTICALLY AND HORIZONTALLY AND BE FILLED WITH AN APPROVED MORTAR. MORTAR COLOR SHALL MATCH THE POURED CONCRETE COLOR. MOCK-UPS SHALL BE CARRIED OUT FOR THE DEPARTMENTAL REPRESENTATIVE REVIEW.
- CONCRETE COVER SHALL BE AS DEFINED IN TABLE 2.
- LAP SPLICES MUST CONFORM TO CAN/CSA A23.3-14 FOR CLASS B TENSION LAP SPLICES, SEE TABLES 1-1, 1-2 AND 1-3.
- CONCRETE FINISHES FOR THE FORMED AND UN-FORMED SURFACES, AS INDICATED ON THE CONCRETE DRAWINGS, SHALL BE AS PER TECHNICAL SPECIFICATIONS AND TABLE 3. ALL TOP OF PIERS AND WALL FINISHES SHALL MATCH THE TOP OF DECK FINISH AS CLOSE AS POSSIBLE. MOCK-UPS FOR FINISHES SHALL BE CARRIED OUT FOR REVIEW BY THE DEPARTMENTAL REPRESENTATIVE.
- EXPOSED FACES OF EMBEDDED PARTS FOR STOPLOGS (GAINS AND SILLS) TO BE SHOP PAINTED. PIER NOSING PROTECTIVE PLATES TO BE STAINLESS STEEL.
- GALVANIZE ALL OTHER EXPOSED METAL PARTS, INCLUDING GRATING GAIN COVERS AND ASSOCIATED HARDWARE, HANDRAILS, PLATES, EMBEDDED PIPES, EYEBOLTS, ALL EXPOSED ANGLES AND THEIR EMBEDDED ANCHORS AND FRAMES. ADHESIVE ANCHORS TO BE STAINLESS STEEL.
- ALL FOUNDATIONS MUST BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE BEFORE ANY POURING OF CONCRETE.
- FOR LOAD BEARING CAPACITY OF DECK, SEE DRAWING 307.03.
- CLARIFY WITH THE DEPARTMENTAL REPRESENTATIVE ANY QUERIES REGARDING INTERPRETATION OF THE DRAWINGS BEFORE PROCEEDING WITH ANY WORK.
- THE NORMAL UPSTREAM WATER LEVEL WILL RANGE FROM 241.4 TO 241.5 DURING NAVIGATION SEASON (MID MAY - MID OCTOBER).
- THE MAXIMUM UPSTREAM WATER LEVELS CORRESPONDING TO 1:20 YEAR AND 1:40 YEAR FLOODS ARE 241.5 AND 241.8, RESPECTIVELY.
- THE NORMAL DOWNSTREAM WATER LEVELS WILL RANGE FROM 237.8 TO 238.9.
- THE MAXIMUM DOWNSTREAM WATER LEVEL CORRESPONDING TO 1:20 YEAR AND 1:40 FLOODS ARE 240 AND 240.5, RESPECTIVELY, EXCLUDING COFFERDAM EFFECTS.

LEGEND:

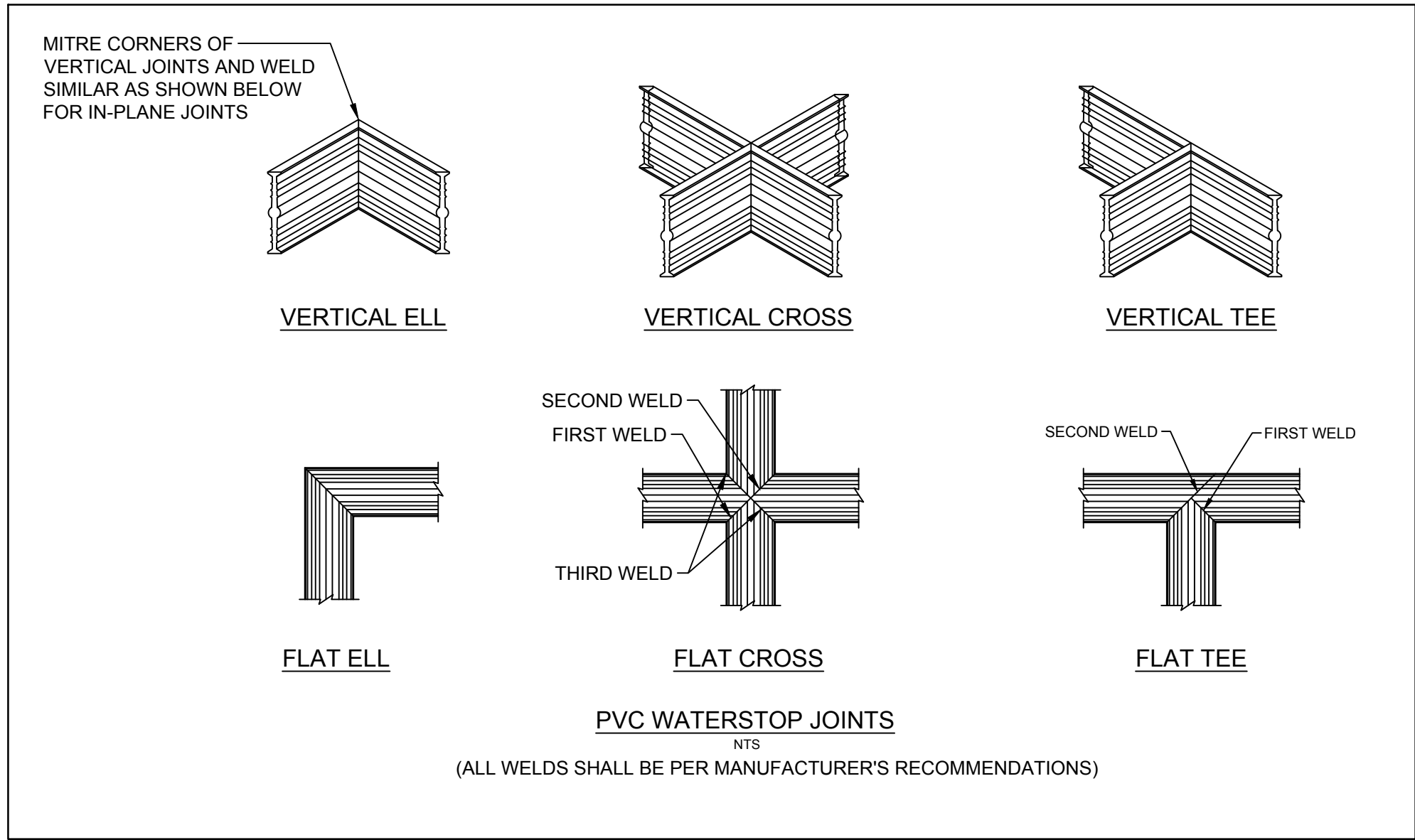
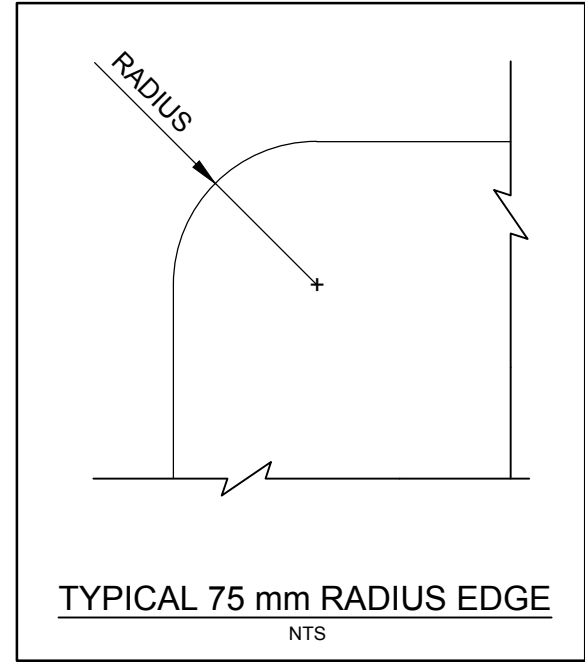
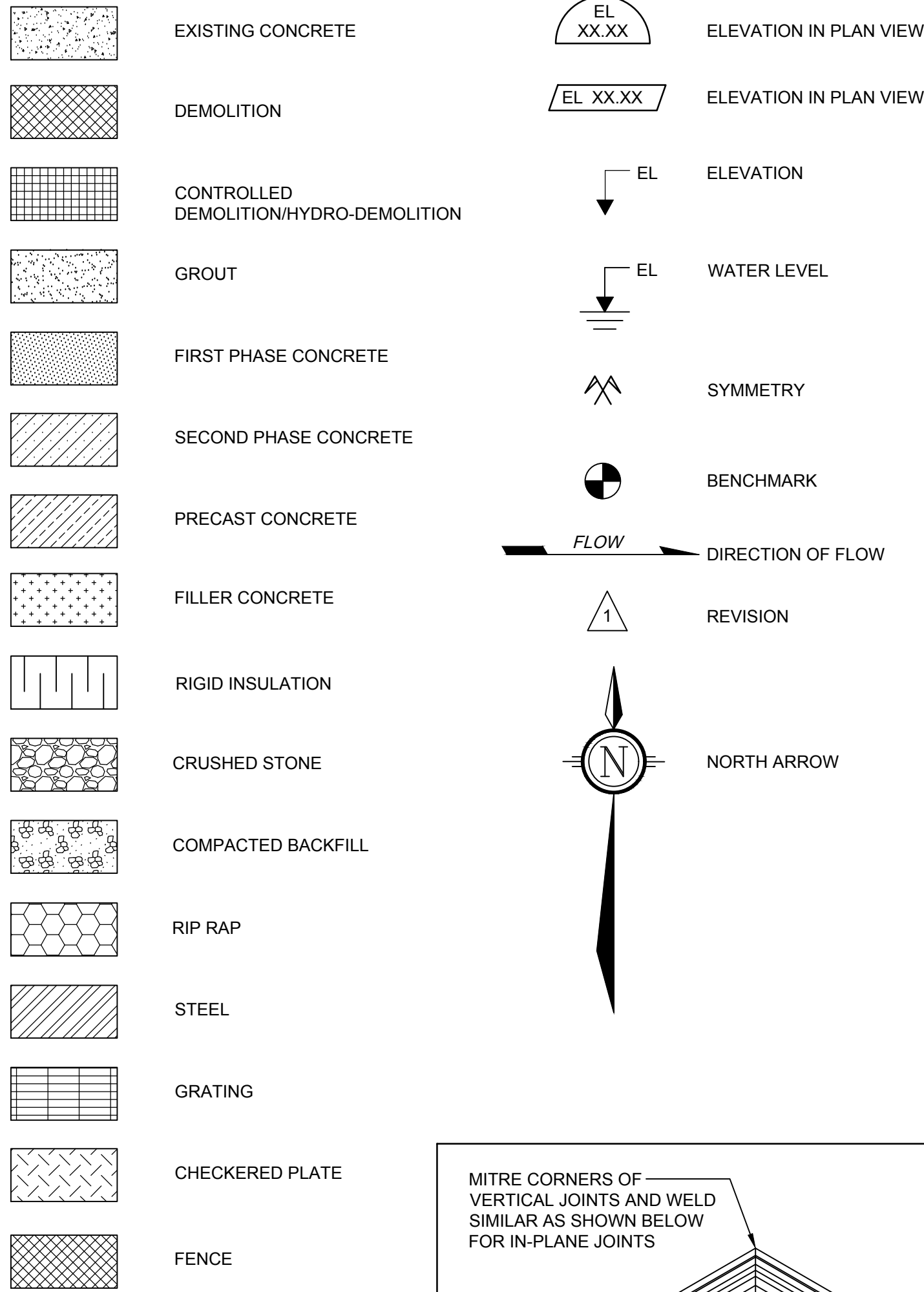


TABLE 1-1: REINFORCING STEEL $f_y=400$ MPa $f_c'=25$ MPa				
BAR SIZE	TOP BARS		OTHER BARS	
	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)
10M	380	490	300	380
15M	570	740	440	570
20M	750	980	580	750
25M	1170	1530	900	1170
30M	1410	1830	1080	1410
35M	1640	2130	1260	1640

TABLE 1-2: REINFORCING STEEL $f_y=400$ MPa $f_c'=30$ MPa				
BAR SIZE	TOP BARS		OTHER BARS	
	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)
10M	350	450	300	350
15M	520	670	400	520
20M	690	890	530	690
25M	1070	1390	830	1070
30M	1290	1670	990	1290
35M	1500	1950	1160	1500

TABLE 1-3: REINFORCING STEEL $f_y=400$ MPa $f_c'=35$ MPa				
BAR SIZE	TOP BARS		OTHER BARS	
	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)	DEVELOPMENT LENGTH (mm)	LAP SPlice LENGTH (CLASS B) (mm)
10M	320	420	300	390
15M	480	630	370	490
20M	640	840	490	640
25M	990	1290	770	1010
30M	1190	1550	920	1200
35M	1390	1810	1070	1400

TABLE 2: CONCRETE COVER

CONCRETE COVER IS MEASURED FROM THE CONCRETE SURFACE TO THE NEAREST SURFACE OF REINFORCEMENT. (INCLUDING TRANSVERSE REINFORCEMENT HOOKED AROUND LONGITUDINAL BARS).	
ELEMENT	COVER
CONCRETE PLACED AGAINST ROCK	75 mm
EXPOSED FACES OF WALLS AND PIERS	75 mm
DECK SLABS	50 mm
FACES COVERED BY BACKFILL, ROCK FILL	75 mm
FACES IN CONTACT WITH WATER	100 mm

TABLE 3: SURFACE FINISHES

FORMED CONCRETE SURFACE TOLERANCES		
SURFACE FINISH	FLATNESS TOLERANCE	JOINT TOLERANCE
F1	30 mm	30 mm
F2	12 mm	8 mm
F3	5 mm	3 mm
F4	5 mm (MEASURED PERPENDICULAR TO FLOW) 3 mm (MEASURED PARALLEL TO FLOW)	5 mm (MEASURED PERPENDICULAR TO FLOW) 3 mm (MEASURED PARALLEL TO FLOW)
UNFORMED CONCRETE SURFACE TOLERANCES		
SURFACE FINISH	FLATNESS TOLERANCE	JOINT TOLERANCE
U1	20 mm	5 mm
U2	5 mm	0 mm
U3	5 mm	0 mm

ABBREVIATIONS:

@ - AT (SPACING)	MAX WL - MAXIMUM WATER LEVEL
AB - ANCHOR BOLT	MECH - MECHANICAL
ADD - ADDITIONAL	MISC - MISCELLANEOUS
ALT - ALTERNATE	MIN WL - MINIMUM WATER LEVEL
APP - APPROVED	MIN - MINIMUM
B OR BOT - BOTTOM	MOL - MINIMUM OPERATING LEVEL
BB - BENT BARS	NA - NOT APPLICABLE
BS - BOTH SIDES	NF - NEAR FACE
C/L - CENTRELINE	NOM - NOMINAL
CHKD PL - CHECKERED PLATE	NTS - NOT TO SCALE
CJ - CONSTRUCTION JOINT	NS - NEAR SIDE
CJ+WS - CONSTRUCTION JOINT + WATERSTOP	OD - OUTSIDE DIAMETER
CONC - CONCRETE	OF - OUTSIDE FACE
CONC BLK - CONCRETE BLOCK	OPP - OPPOSITE
CONTD - CONTINUED	OPNG - OPENING
CONT - CONTINUOUS	/ OR & - AND
CONTRJ - CONTRACTION JOINT	PL - PLATE
COV - COVER	PP - PARTIAL PENETRATION
CP - CONTROL POINT	PVC - POLYVINYLCHLORIDE
DEG or ° - DEGREE	R - RADIUS
DET - DETAIL	REF - REFERENCE
DEP - DEPTH	REINF - REINFORCEMENT
DIA OR Ø - DIAMETER	RG - REMOVABLE GUARDRAIL
DWG - DRAWING	RH - REMOVABLE HANDRAIL
DWLS - DOWELS	REQ'D - REQUIRED
ED - EACH DIRECTION	REV - REVISION
EF - EACH FACE	RGR - REMOVABLE GUARDRAIL
EL - ELEVATION	SCH - SCHEDULE
EJ - EXPANSION JOINT	SH - SHEET
EP - EMBEDDED PART	SIM - SIMILAR
EQ or = - EQUAL	SPCS - SPACES
EQ SP - EQUAL SPACE	SS - STAINLESS STEEL
ES - EACH SIDE	STD - STANDARD
EMB - EMBEDMENT	STIFF - STIFFENER
EQUIV - EQUIVALENT	STR - STRUCTURAL
EW - EACH WAY	T - TOP
EXIST - EXISTING	T&B - TOP AND BOTTOM
f'c - SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE	TEMP - TEMPORARY
FF - FAR FACE	THK - THICK, THICKNESS
FGR - FIXED GUARDRAIL	T/O - TOP OF
GALV - GALVANIZED	TOG - TOP OF GRATING
GR - GUARDRAIL	TOC - TOP OF CONCRETE/CURB
H OR HORIZ - HORIZONTAL	TOR - TOP OF RAIL
HB - HORIZONTAL BRACING	TOS - TOP OF STEEL
HP - HIGH POINT	TP - TANGENT POINT
HR - HANDRAIL	TWL - TAIL WATER LEVEL
HSS - HOLLOW STRUCTURAL STEEL	TYP - TYPICAL
ID - INSIDE DIAMETER	UNO - UNLESS NOTED OTHERWISE
IDF - INFLOW DESIGN FLOOD	U/S - UNDERSIDE
IF - INSIDE FACE, INNER FACE	VAR - VARIABLE, VARIES
INT - INTERIOR	VB - VERTICAL BRACING
LG - LENGTH / LONG	V OR VERT - VERTICAL
LP - LOW POINT	WL - WATER LEVEL
LSL - LOW SUPPLY LEVEL	WP - WORKING POINT,
MAX - MAXIMUM	WS - WATERSTOP
	W/C - WATER CEMENT RATIO
	WSH - HYDROPHILIC WATERSTOP
	X/S - EXTRA STRONG

Canada

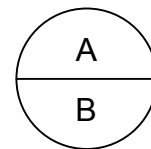
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Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0002 0

No.	Description	By Par	Date
0	FOR TENDER	R.M	05/13/2020

Revision / Révision

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A Detail number
Numéro du détail
B Location dwg. number
Numéro sur dessin

Professional Stamp

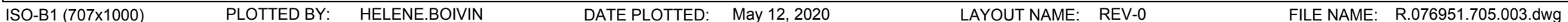
Project title / Titre du projet

TRENT-SEVERN WATERWAY
DAM AT LOCK 28 - BURLEIGH FALLS
RECONSTRUCTION

Drawing title / Titre du dessin

GENERAL NOTES
LEGEND, TABLES & ABBREVIATIONS

Drawn by / Dessiné par	Designed by / Conçu par
H. BOIVIN	Y. BERTON P.Eng.
Verified by / Vérifié par	Approved by / Approuvé par
R. MIGUEL P.Eng.	S. VITTECOQ P.Eng.
Drawing Date / Date du dessin	Drawing Number/ Numéro du Dessin
05/13/2020	002
Project Number / Numéro du projet	Sheet 1 of 1
R.076951.705	

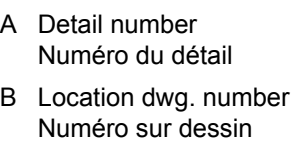


NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 002.
2. TURBIDITY CURTAIN QUANTITY AND LOCATION SHOULD BE PROVIDED FOR INDICATIVE PURPOSE ONLY. CURTAINS MAY REQUIRE MOVING, DOUBLING, EXTENDING OR CUTTING AND/OR REPLACING DEPENDING ON ACTUAL WORK, FLOW CONDITIONS, ENVIRONMENTAL IMPACTS, ETC...
3. DO NOT CONDUCT STEPS 7-9 SIMULTANEOUSLY ON ADJACENT SLICES.
4. PARKING AREA TO REMAIN OPEN TO THE PUBLIC AT ALL TIMES. CLOSURE REQUIRED FOR WORKS CUTTING END OF NORTH GRAVITY DAM. REINSTATEMENT TO BE CONDUCTED OUTSIDE OF NAVIGATION SEASON AND WITH WRITTEN APPROVAL OF THE DPT. REPRESENTATIVE PRIOR TO CLOSURE. EMPLOYEE PARKING NOT ALLOWED.
5. MINIMIZE IMPACTS ON SLICES, 1-6 OPERATION DURING CONSTRUCTION.

No.	Description	By Par	Date
Revision / Révision			

Do not scale drawings.
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Departmental Representative of all discrepancies.



Professional Stamp

Project title / Titre du projet







Drawing title / Titre du dessin

CONSTRUCTION PHASING
PHASE 1
GENERAL ARRANGEMENT

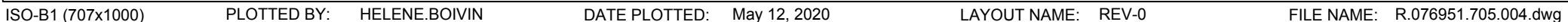
Drawn by / Dessiné par H. BOIVIN		Designed by / Conçu par Y. BERTON P.Eng.	
Verified by / Vérifié par R. MIGUEL P.Eng.		Approved by / Approuvé par S. VITTECOQ P.Eng.	
Drawing Date / Date du dessin 05/13/2020		Drawing Number / Numéro du Dessin 003	
Project Number / Numéro du projet R.076951.705		Sheet Equilibre 1 of 2 de 2	

- 1 - MOBILISATION, STAGING AREAS AND RELOCATION OF EXISTING UTILITIES AS NEEDED.
- 2 - INSTALLATION OF TURBIDITY CURTAINS.
- 3 - INSTALLATION OF POST TENSIONED ANCHOR RODS AT PIERS.
- 4 - TREATMENT OF VOID UNDER EXISTING DAM FOUNDATION AT PIERS 09,10 AND 11.
- 5 - INSTALLATION OF METER AND SAND BAGS.
- 6 - INSTALLATION OF STEEL NOSING AT PIERS 7,8,9,10,11 AND SOUTH ABUTMENT.
- 7 - INSTALLATION OF BULKHEAD BETWEEN PIER'S STEEL NOSINGS
- 8 - SPILLWAYS SILL LOWERING AT SLICES 8 THROUGH 12.
- 9 - GAIN RECONSTRUCTION AT SLICES 8 THROUGH 12, COMMISSION SLICE AS THEY ARE READING
- 10 - DECK EXTENSION AT SOUTH SIDE.
- 11 - METER AND SAND BAGS REMOVAL.
- 12 - SAFETY BOOM TEMPORARY INSTALLATION.

LEGEND

-  DEMOLITION AREA (DWG 002)
-  WORK AREA
-  NON USABLE AREA (NOTE 5)
-  EROSION BARRIER
-  FENCING LINE
-  CONTROL POINT





Canadă

CIMA+


Contract No.	Drawing	Code	Serial	Rev.
HS00243	210	41DD	0004	0

NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 100.
2. NEW DAM UPSTREAM LINE TO BE LOCATED AT 2.7 METERS FROM EXISTING DAM DOWNSTREAM LINE.
3. MAXIMUM FOOTPRINT OF DEWATERED AREA INCLUDING COFFERDAM AND ANY OTHER DEWATERING STRUCTURES 5/28 METRES FROM DOWNSTREAM EDGE OF NEW DAM APRON.
4. ALL IN WATER WORKS TO BE DONE BEHIND TURBIDITY CURTAINS.
5. PARKING AREA TO REMAIN OPEN TO THE PUBLIC AT ALL TIMES. CLOSURE REQUIRED FOR WORKS (CUTOFF WALL, END OF NORTH GRAVITY DAM, REINSTATEMENT) TO BE CONDUCTED OUTSIDE OF DEWATERING SEASON AND WITH WRITTEN APPROVAL OF THE DPT. REPRESENTATIVE PRIOR TO CLOSURE. EMPLOYEE PARKING NOT ALLOWED.
6. COFFERDAM TO STAND OVERLAPPING. SEE SPECIFICATION SECTION 35 20 22.
7. ACCESS FROM BANK TO BANK TO BE MAINTAINED THROUGHOUT WORK. INSTALL TEMPORARY WALKWAYS BETWEEN EXISTING DAM DECK & NEW DAM DECK PRIOR TO PHASE II - DEMOLITION OF EXISTING DAM.

No.	Description	By Par	Date
Revision / Révision			

Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the
Departmental Representative of all discrepancies.



A Detail number
Numéro du détail

B Location dwg. number
Numéro sur dessin

Professional Stamp

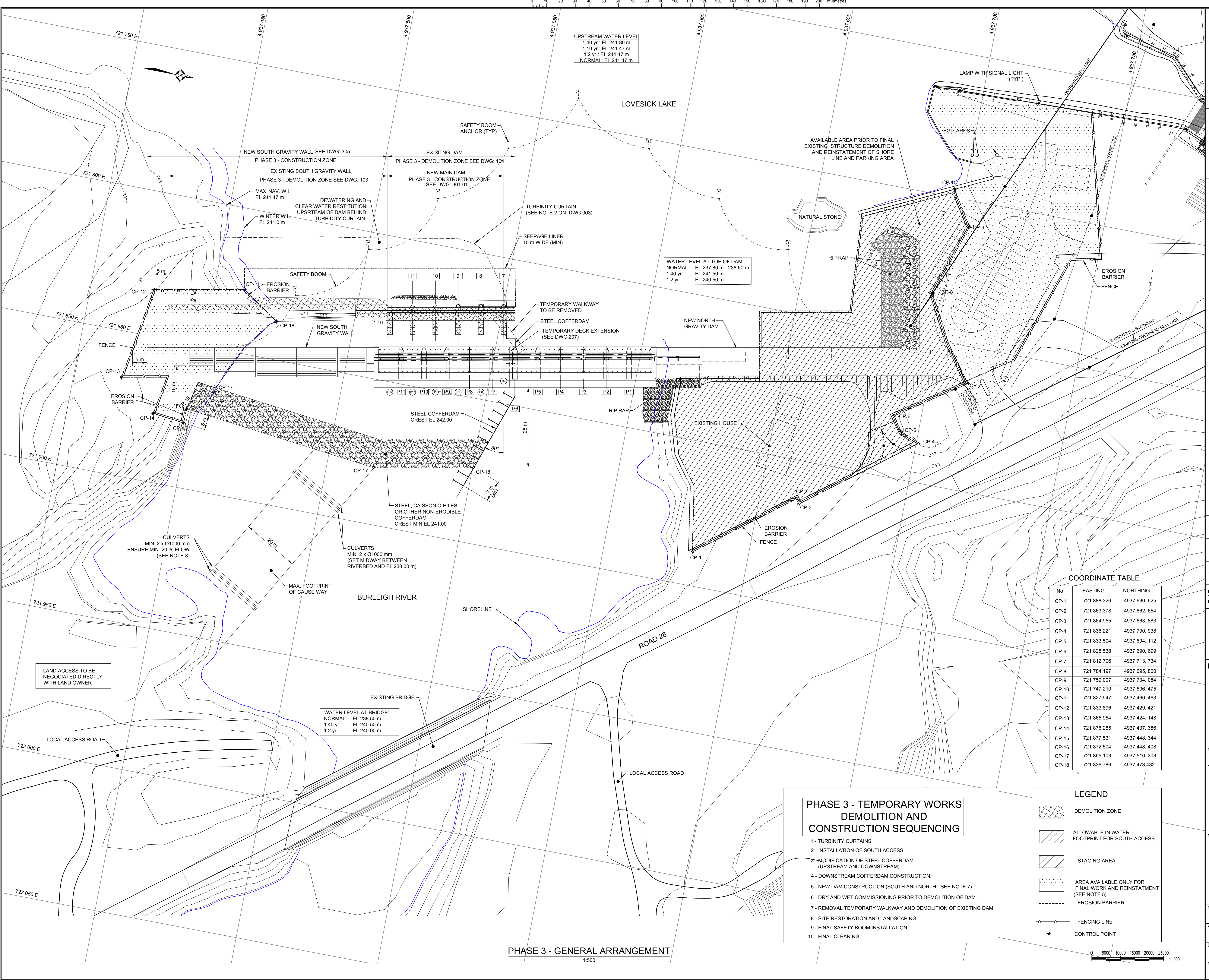
Project title / Titre du projet

TRENT-SEVERN WATERWAY BURLEIGH DAM AT LOCK 28 RECONSTRUCTION

Drawing title / Titre du dessin

CONSTRUCTION PHASING
PHASE 2
GENERAL ARRANGEMENT

Drawn by / Dessiné par	Designed by / Conçu par	
H. BOIVIN	Y. BERTON	P. Eng
Verified by / Vérifié par	Approved by / Approuvé par	
R. MIGUEL	S. VITTECOQ	P. Eng.
Drawing Date / Date du dessin		Drawing Number / Numéro du Dessin
05/13/2020		004
Project Number / Numéro du projet		Sheet / Feuille
R.076951.705		1 of 2



Contract No.	Drawing Code	Serial	Rev.
HS00243	210	41DD	0005 0

- NOTES:
- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING 100.
 - NEW DAM UPSTREAM LINE TO BE LOCATED AT 2.7 METERS FROM EXISTING DAM DOWNSTREAM LINE.
 - MAXIMUM FOOTPRINT OF DEWATERED AREA INCLUDING COFFERDAM AND ANY OTHER DEWATERING STRUCTURES: 28 METRES FROM DOWNSTREAM EDGE OF NEW DAM APRON.
 - ALL IN WATER WORKS TO BE DONE BEHIND TURBIDITY CURTAINS.
 - PARKING AREA TO REMAIN OPEN TO THE PUBLIC AT ALL TIMES. CLOSURE REQUIRED FOR WORKS (CUTOFF WALL, END OF NORTH GRAVITY DAM, REINSTATEMENT) TO BE CONDUCTED OUTSIDE OF NAVIGATION SEASON AND WITH WRITTEN APPROVAL OF THE DPT. REPRESENTATIVE PRIOR TO CLOSURE. EMPLOYEE PARKING NOT ALLOWED.
 - COFFERDAM TO WITH STAND OVERTOPPING. SEE SPECIFICATION SECTION 35 20 22.
 - INSTALLATION OF PRECAST DECK OVER SLUICE (67) REQUIRES REMOVAL OF TEMPORARY OPERATING PLATFORM. DURING THIS WORK SLUICE (68) WILL NOT BE OPERABLE. DOWNTIME OF SLUICE (68) MUST BE MINIMIZED AND COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
 - ENSURE A MINIMUM 20 IS FLOW INTO AREA CUT-OFF BY ACCESS ROAD (PUMPING OR SIPHON FROM UPSTREAM)

No.	Description	R.M.	By	Date
0	FOR TENDER			05/13/2020

Revision / Révision

Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	A Detail number Numéro du détail
B	B Location dwg. number Numéro sur dessin

Professional Stamp

Project title / Titre du projet

TRENT-SEVERN WATERWAY BURLEIGH DAM AT LOCK 28 RECONSTRUCTION

CONSTRUCTION PHASING PHASE 3 GENERAL ARRANGEMENT

Drawn by / Dessiné par H. BOVIN	Designed by / Conçu par Y. BERTON P.Eng.
Verified by / Vérifié par R. MIGUEL	Approved by / Approuvé par S. VITTECOQ P.Eng.
Drawing Date / Date du dessin 05/13/2020	Drawing Number/ Numéro du Dessin 005
Project Number / Numéro du projet R.076951.705	Sheet Feuille 1 of 1