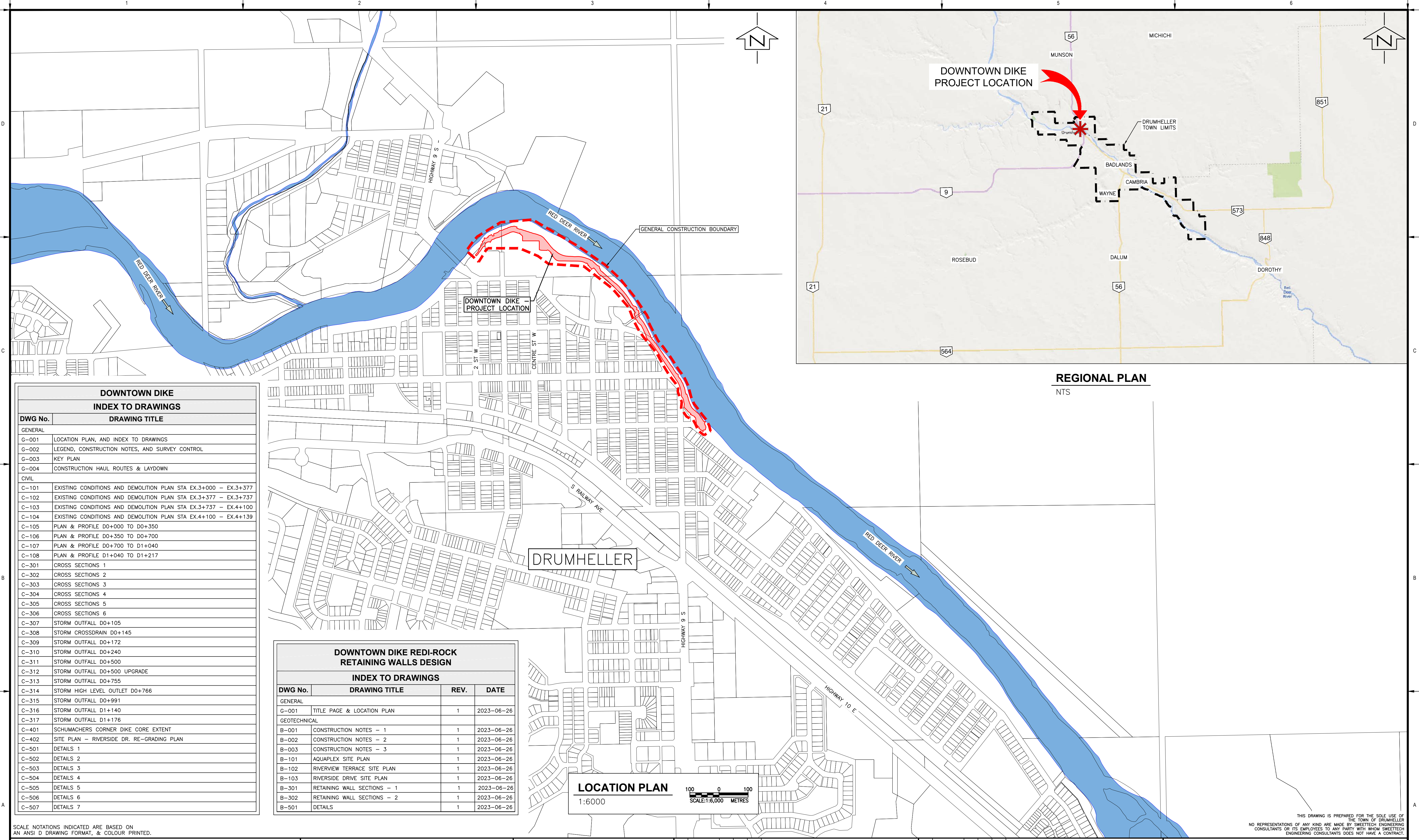


M:\Projects\21.2311.002\CADD\Drawing Set\32_IFCOVER-212311002-COVER PAGE.dwg, COVER, 2023/06/28 05:07 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 1:00
 millimeters
 50
 10
 0
 1
 2
 3
 4
 5
 6
 D
 C
 B
 A



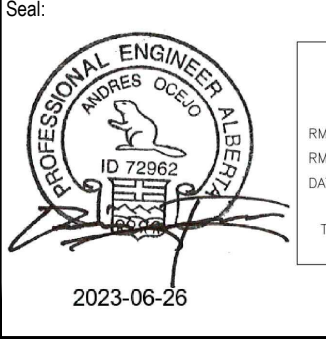
DOWNTOWN DIKE INDEX TO DRAWINGS	
DWG No.	DRAWING TITLE
GENERAL	
G-001	LOCATION PLAN, AND INDEX TO DRAWINGS
G-002	LEGEND, CONSTRUCTION NOTES, AND SURVEY CONTROL
G-003	KEY PLAN
G-004	CONSTRUCTION HAUL ROUTES & LAYDOWN
CIVIL	
C-101	EXISTING CONDITIONS AND DEMOLITION PLAN STA EX.3+000 - EX.3+377
C-102	EXISTING CONDITIONS AND DEMOLITION PLAN STA EX.3+377 - EX.3+737
C-103	EXISTING CONDITIONS AND DEMOLITION PLAN STA EX.3+737 - EX.4+100
C-104	EXISTING CONDITIONS AND DEMOLITION PLAN STA EX.4+100 - EX.4+139
C-105	PLAN & PROFILE D0+000 TO D0+350
C-106	PLAN & PROFILE D0+350 TO D0+700
C-107	PLAN & PROFILE D0+700 TO D1+040
C-108	PLAN & PROFILE D1+040 TO D1+217
C-301	CROSS SECTIONS 1
C-302	CROSS SECTIONS 2
C-303	CROSS SECTIONS 3
C-304	CROSS SECTIONS 4
C-305	CROSS SECTIONS 5
C-306	CROSS SECTIONS 6
C-307	STORM OUTFALL D0+105
C-308	STORM CROSSEDRAIN D0+145
C-309	STORM OUTFALL D0+172
C-310	STORM OUTFALL D0+240
C-311	STORM OUTFALL D0+500
C-312	STORM OUTFALL D0+500 UPGRADE
C-313	STORM OUTFALL D0+755
C-314	STORM HIGH LEVEL OUTLET D0+766
C-315	STORM OUTFALL D0+991
C-316	STORM OUTFALL D1+140
C-317	STORM OUTFALL D1+176
C-401	SCHUMACHERS CORNER DIKE CORE EXTENT
C-402	SITE PLAN - RIVERSIDE DR. RE-GRADING PLAN
C-501	DETAILS 1
C-502	DETAILS 2
C-503	DETAILS 3
C-504	DETAILS 4
C-505	DETAILS 5
C-506	DETAILS 6
C-507	DETAILS 7

DOWNTOWN DIKE REDI-ROCK RETAINING WALLS DESIGN INDEX TO DRAWINGS			
DWG No.	DRAWING TITLE	REV.	DATE
GENERAL			
G-001	TITLE PAGE & LOCATION PLAN	1	2023-06-26
GEOTECHNICAL			
B-001	CONSTRUCTION NOTES - 1	1	2023-06-26
B-002	CONSTRUCTION NOTES - 2	1	2023-06-26
B-003	CONSTRUCTION NOTES - 3	1	2023-06-26
B-101	AQUARPLEX SITE PLAN	1	2023-06-26
B-102	RIVERVIEW TERRACE SITE PLAN	1	2023-06-26
B-103	RIVERSIDE DRIVE SITE PLAN	1	2023-06-26
B-301	RETAINING WALL SECTIONS - 1	1	2023-06-26
B-302	RETAINING WALL SECTIONS - 2	1	2023-06-26
B-501	DETAILS	1	2023-06-26

LOCATION PLAN
 1:6000
 SCALE: 1:6,000 METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 RW AFECA ID #: 89046
 DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	CC/ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
LOCATION PLAN, AND INDEX TO DRAWINGS

Project No.	21.2311.002	Drawing No.	G-001	Rev.	1
Group	GENERAL				

MA\Projects\21.2311.002\CADD\Drawing Set\32_1FC\SITE-212311002-KEY-PLAN.dwg, G-003, 2023/06/28 05:08 pm Griffin

SAVED: 2023/06/28, 4:06 PM
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm

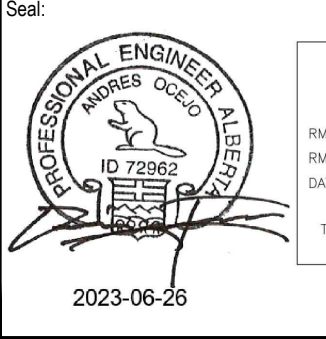


PR. DISTURBANCE BELOW 1:2 YEAR FLOOD LEVEL	
LENGTH	AREA
510 m*	2250 m ² *

*ADDITIONAL TEMPORARY DISTURBANCE MAY BE REQUIRED DURING CONSTRUCTION

SCALE: 1:2,000 METRES
 SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 RW AFECA ID: 69946
 DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
KEY PLAN

Project No. **21.2311.002** Drawing No. **G-003** Rev. **1**
 Group **GENERAL**

MA\Projects\21.2311.002\CADD\Drawing Set\32_IFCSITE-212311002-FILL-HAUL.dwg, G-004, 2023/06/28 05:09 pm Griffin

SAVED: 2023/06/28, 2:59 PM

Page Size = ANSI D
At Full Size, this border measures 520 mm x 800 mm

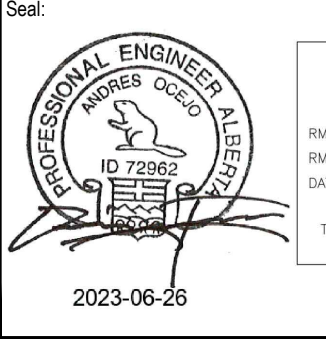
100
50
0
millimetres

100
0
100
METRES



- NOTES:**
1. CONTRACTOR TO PROVIDE PR. HAUL ROUTE FOR CONTRACTOR SUPPLIED BORROW.
 2. ACCESS TO CONSTRUCTION LAYDOWN AREA IS VIA VETERANS WAY ONLY.
 3. CONTRACTOR MAY CHANGE CONSTRUCTION HAUL ROUTES AT ANY TIME DURING CONSTRUCTION WITH PRIOR APPROVAL FROM THE TOWN OF DRUMHELLER AND ENGINEER OF RECORD.
 4. NO ACCESS TO THE WEST, EAST OR SOUTH SIDE UNTIL AFTER SEPT. 4, 2023.
 5. HAUL ROUTE THROUGH SPRAY PARK TO BE ALLOWED AFTER SEPT. 4TH, 2023, CONTRACTOR SHALL TAKE CARE TO NOT DAMAGE UNDERGROUND INFRASTRUCTURE IN THIS AREA.
 6. ROTARY SPRAY PARK SANITARY DRAINAGE RE-ALIGNMENT WORK TO BE COMPLETED BY THE TOWN OF DRUMHELLER AFTER SEPT. 4TH 2023. CONTRACTOR TO COORDINATE WITH SPRAY PARK CONTRACTOR TO ENSURE ACCESS TO BOTH SITES IS MAINTAINED.

SCALE: 1:4,000
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RM SIGNATURE: [Signature]
RM AFEIDA ID: 89046
ID: 72962
DATE: June 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
CONSTRUCTION HAUL ROUTES & LAYDOWN

Project No. **21.2311.002** Drawing No. **G-004** Rev. **1**
Group **GENERAL**

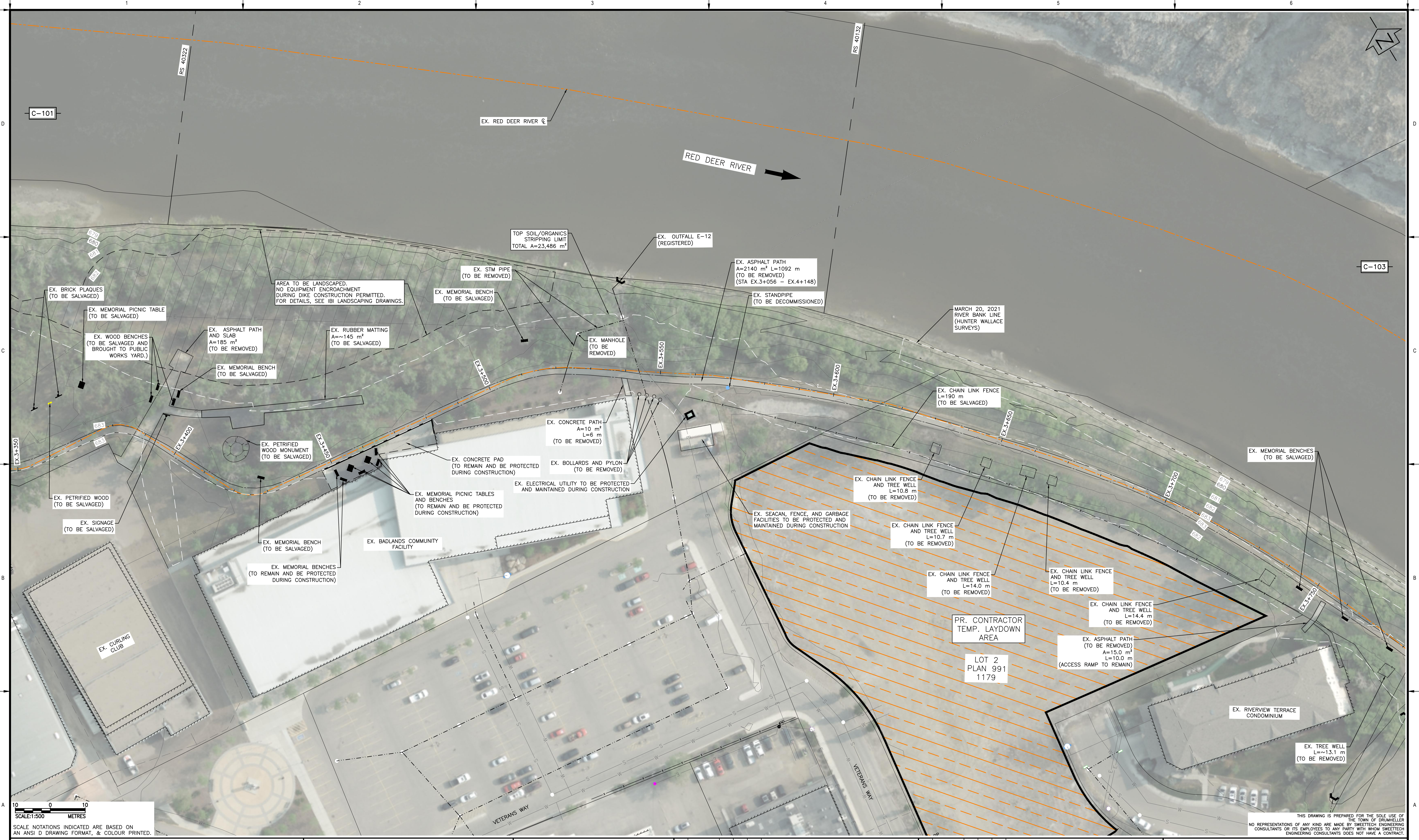
THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFCSITE-212311002-DEMOLITION.dwg, C-102, 2023/06/28 05:09 pm Griffin

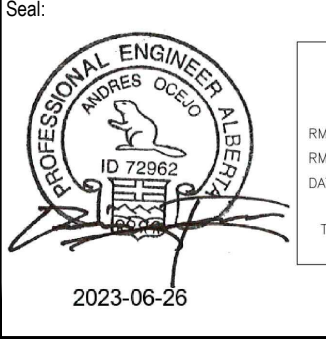
Paper Size = ANSI D
At Full Size, this border measures 520 mm x 800 mm

100
50
0
millimeters

SCALE: 1:500 METRES
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RW SIGNATURE: [Signature]
RW AREGA ID #: 89046
DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
EXISTING CONDITIONS AND DEMOLITION PLAN
STA EX.3+377 - EX.3+737

Project No. **21.2311.002** Drawing No. **C-102** Rev. **1**
Group **CIVIL**

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\SITE-212311002-DEMOLITION.dwg, C-103, 2023/06/28 05:09 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 Saved: 2023/06/28, 3:01 PM
 Scale: 1:500
 METRES
 SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



Seal:

PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RM SIGNATURE: ID 72962
 DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

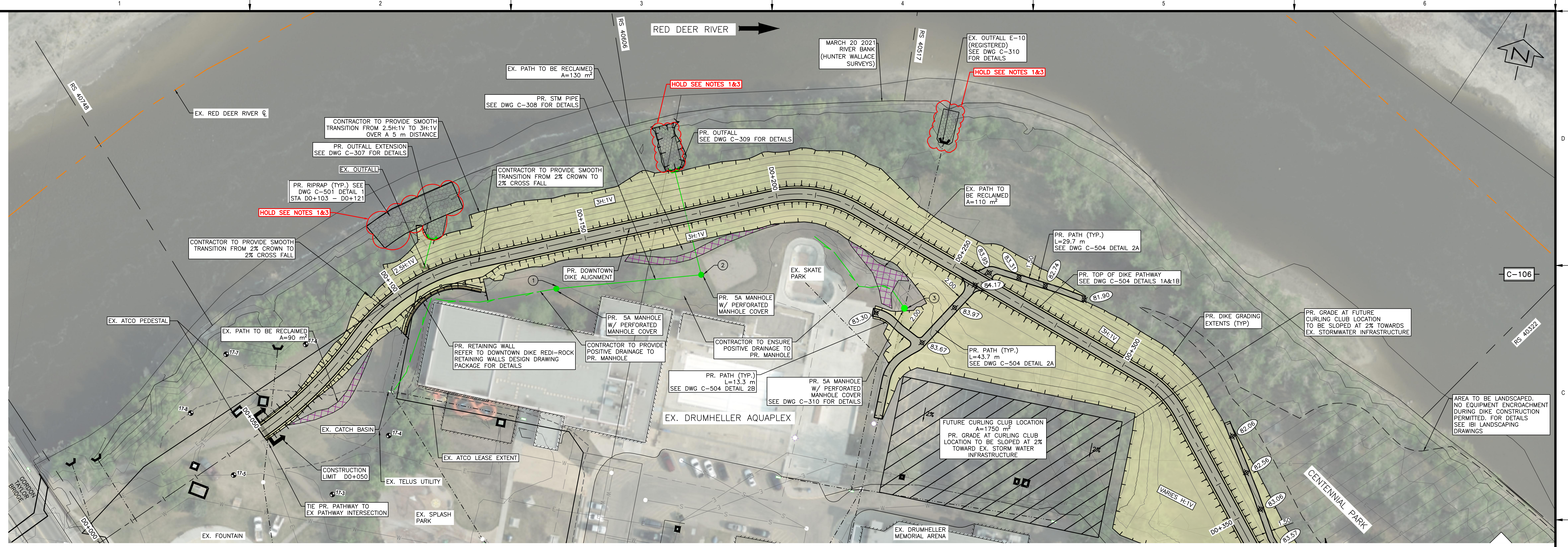
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
EXISTING CONDITIONS AND DEMOLITION PLAN
STA EX.3+737 - EX.4+100

Project No. **21.2311.002** Drawing No. **C-103** Rev. **1**
 Group **CIVIL**

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEET TECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEET TECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

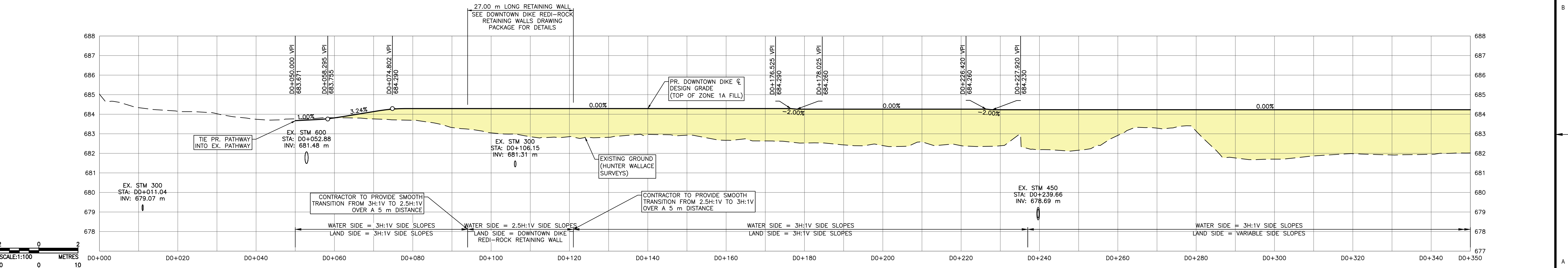
M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-105, 2023/06/28 05:10 pm Griffin
 Saved: 2023/06/28, 3:06 PM
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100
 50
 0
 millimeters
 100
 50
 0
 millimeters



PVI STA: D0+058.295 PVI STA: D0+074.802
 PVI ELEV: 683.755 PVI ELEV: 684.290
 K: 2.503 K: 2.000
 LVC: 5.603 LVC: 6.486
 BVCS: D0+055.993 BVCS: D0+071.559
 BVCE: 683.727 BVCE: 684.185
 EVCS: D0+061.096 EVCS: D0+078.045
 EVCE: 683.846 EVCE: 684.290

PLAN
 SCALE = 1:500

- NOTES:**
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. PROVIDE SMOOTH TRANSITION OVER APPROX. 5 m DISTANCE WHEN DIKE SLOPES CHANGE.
 3. NO ENCROACHMENT OR CONSTRUCTION WITHIN AREAS MARKED HOLD UNTIL HOLD IS LIFTED BY ENGINEER.
 4. PR. IRRIGATION LINES TO BE CONFIRMED BY TOWN OF DRUMHELLER (SEPARATE CONTRACT).



DOWNTOWN DIKE PROFILE
 SCALE = H=1:500 V=1:100

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED



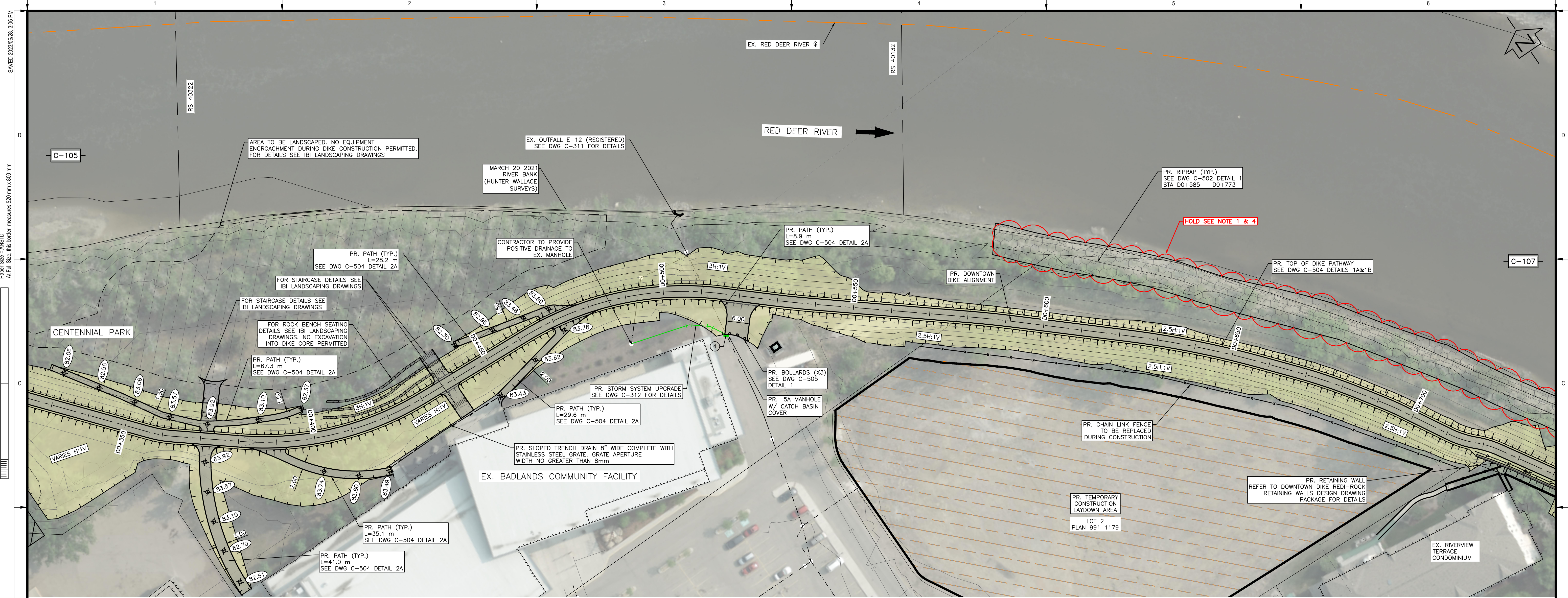
PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 RW AFECA ID #: 89046
 DATE: June 26, 2023
PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER						
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION						

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEET TECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEET TECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

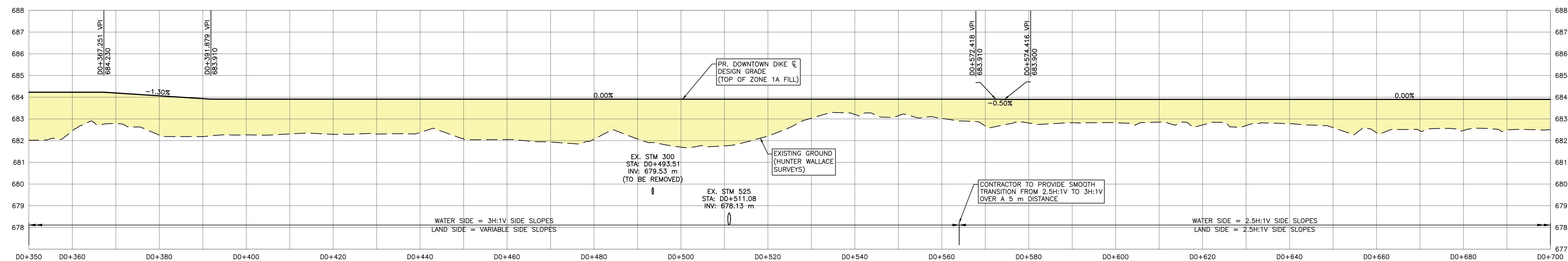
TOWN OF DRUMHELLER
DOWNTOWN DIKE
PLAN & PROFILE D0+000 TO D0+350

Project No. **21.2311.002** Drawing No. **C-105** Rev. **1**
 Group **CIVIL**

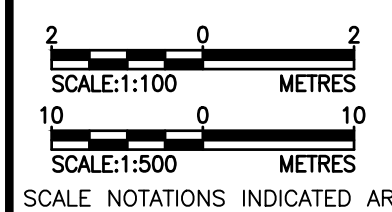


PLAN
SCALE = 1:500

- NOTES:
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. PROVIDE SMOOTH TRANSITION OVER 5 m DISTANCE, WHEN DIKE SLOPES CHANGE.
 3. ACCESS TO CONSTRUCTION LAYDOWN AREA IS VIA VETERANS WAY ONLY.
 4. NO ENCRoACHMENT OR CONSTRUCTION WITHIN AREAS MARKED AS HOLD UNTIL HOLD IS LIFTED BY ENGINEER.
 5. PR. IRRIGATION LINES TO BE CONFIRMED BY TOWN OF DRUMHELLER (SEPARATE CONTRACT).



DOWNTOWN DIKE PROFILE
SCALE = H=1:500 V=1:100

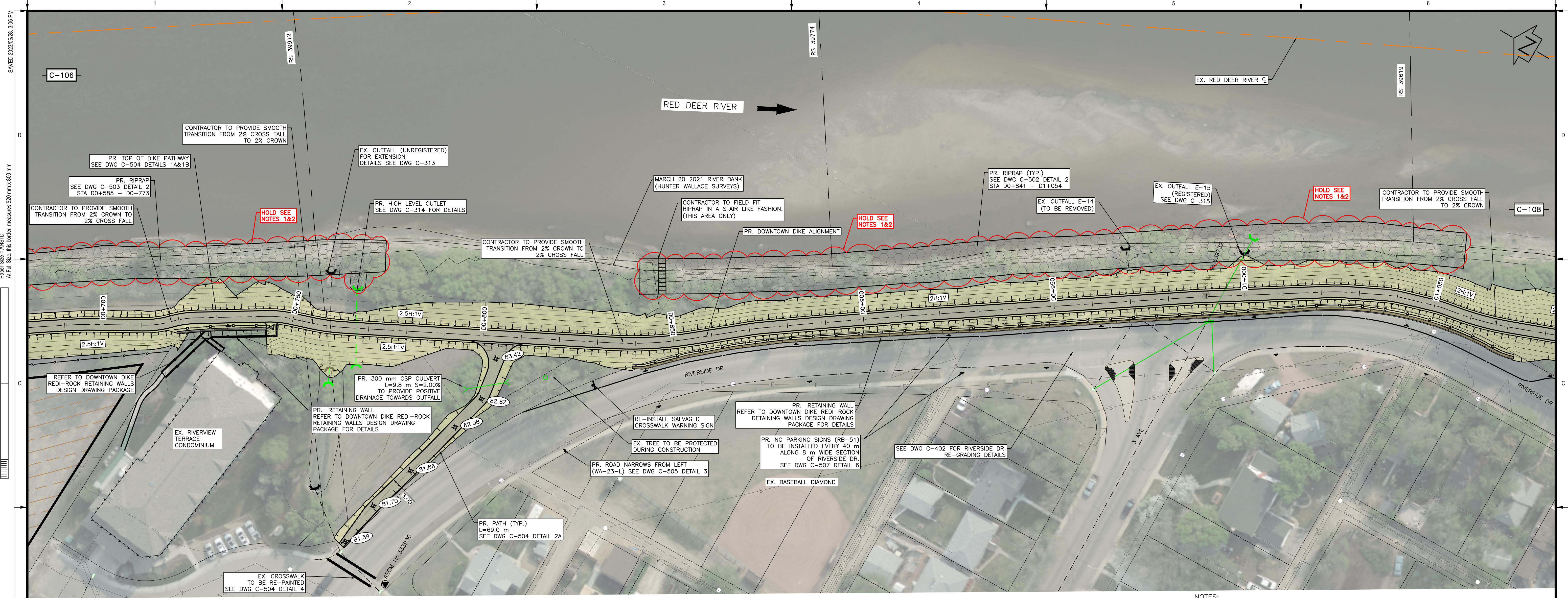


SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

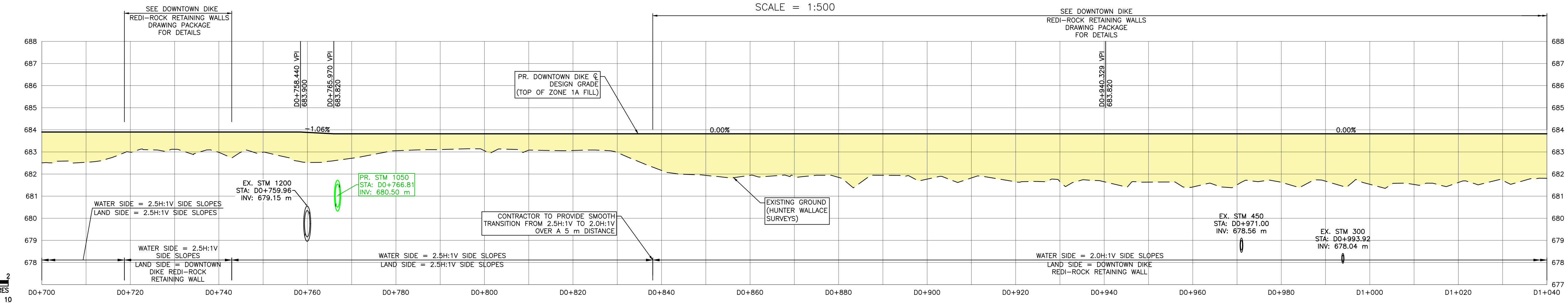
			<p>PERMIT TO PRACTICE 1963401 ALBERTA LTD. RW SIGNATURE: [Signature] RW AFECA ID #: 89046 DATE: JUNE 25, 2023 PERMIT NUMBER: P013638 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)</p>	<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Des</th> <th>Dwn</th> <th>Chk</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>23/03/20</td> <td>AO</td> <td>GM</td> <td>CC/ES</td> <td>ISSUED FOR TENDER</td> </tr> <tr> <td>1</td> <td>23/06/26</td> <td>AO</td> <td>GM</td> <td>ES</td> <td>ISSUED FOR CONSTRUCTION</td> </tr> </tbody> </table>	Rev	Date	Des	Dwn	Chk	Description	0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER	1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION	<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Des</th> <th>Dwn</th> <th>Chk</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Rev	Date	Des	Dwn	Chk	Description													<p>TOWN OF DRUMHELLER DOWNTOWN DIKE PLAN & PROFILE D0+350 TO D0+700</p>
				Rev	Date	Des	Dwn	Chk	Description																																	
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER																																					
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION																																					
Rev	Date	Des	Dwn	Chk	Description																																					
<p>Project No. 21.2311.002</p>	<p>Group CIVIL</p>	<p>Drawing No. C-106</p>	<p>Rev. 1</p>																																							

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLAN-PRO-212311002.dwg, C-106, 2023/06/28 05:11 pm Griffin
 Saved: 2023/06/28, 3:06 PM
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100 millimetres
 50
 0



PLAN
SCALE = 1:500

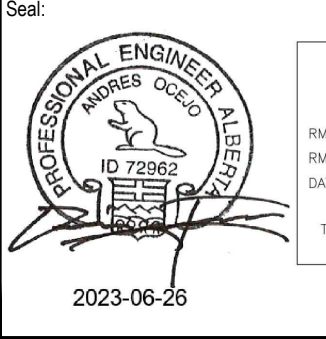
- NOTES:
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. NO ENCROACHMENT OR CONSTRUCTION WITHIN AREAS MARKED AS HOLD UNTIL HOLD IS LIFTED BY ENGINEER.



DOWNTOWN DIKE PROFILE
SCALE = H=1:500 V=1:100

M:\Projects\21.2311.002\CADD\Drawing Set\32_ICV\PLN-PRO-212311002.dwg, C-107, 2023/06/28 05:11 pm Griffin

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



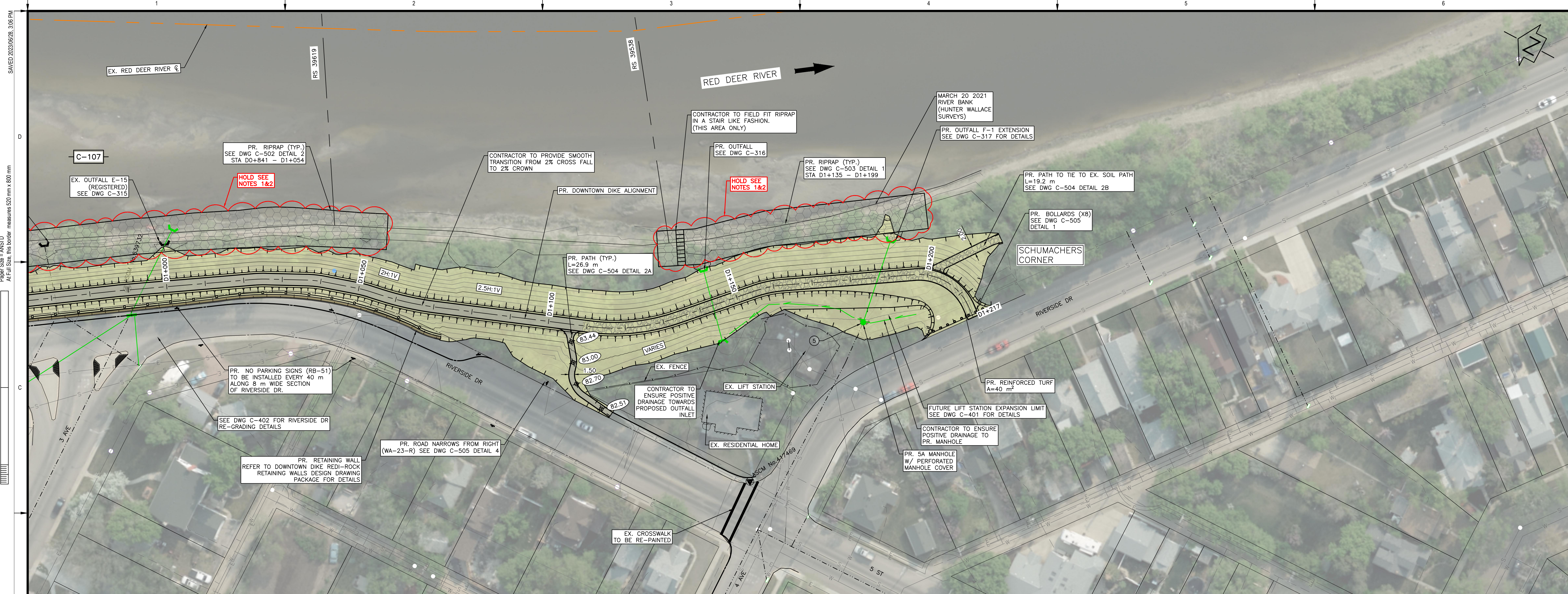
PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RW SIGNATURE: [Signature]
RW AFECA ID #: 69046
DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

TOWN OF DRUMHELLER
DOWNTOWN DIKE
PLAN & PROFILE D0+700 TO D1+040

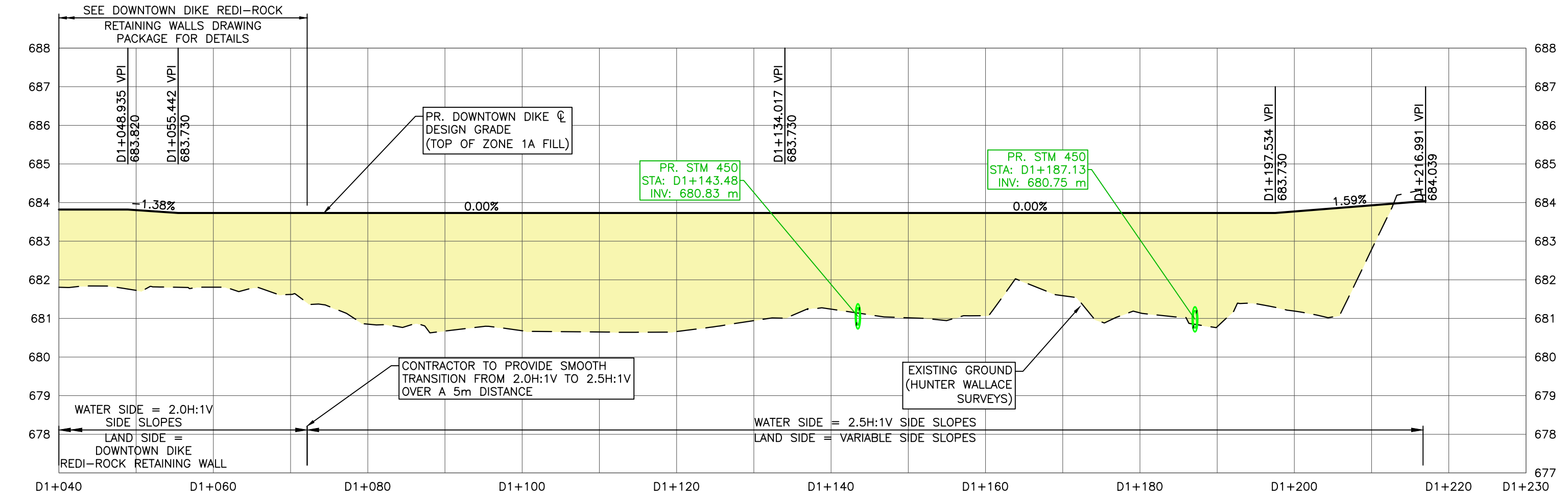
Project No. **21.2311.002** Drawing No. **C-107** Rev. **1**
Group **CIVIL**

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETTECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETTECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



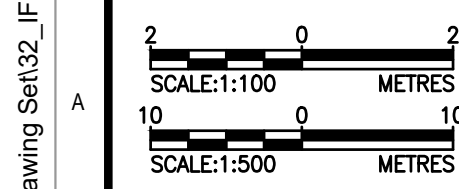
PLAN
SCALE = 1:500

- NOTES:
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. NO ENCROACHMENT OR CONSTRUCTION WITHIN AREAS MARKED AS HOLD UNTIL HOLD IS LIFTED BY ENGINEER.

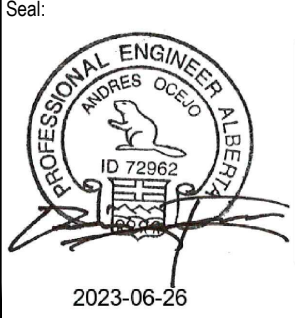


DOWNTOWN DIKE PROFILE
SCALE = H=1:500 V=1:100

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLAN-PRO-212311002.dwg, C-108, 2023/06/28 05:11 pm Griffin



SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RM SIGNATURE: [Signature]
RM AFECA ID #: 89046
DATE: June 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

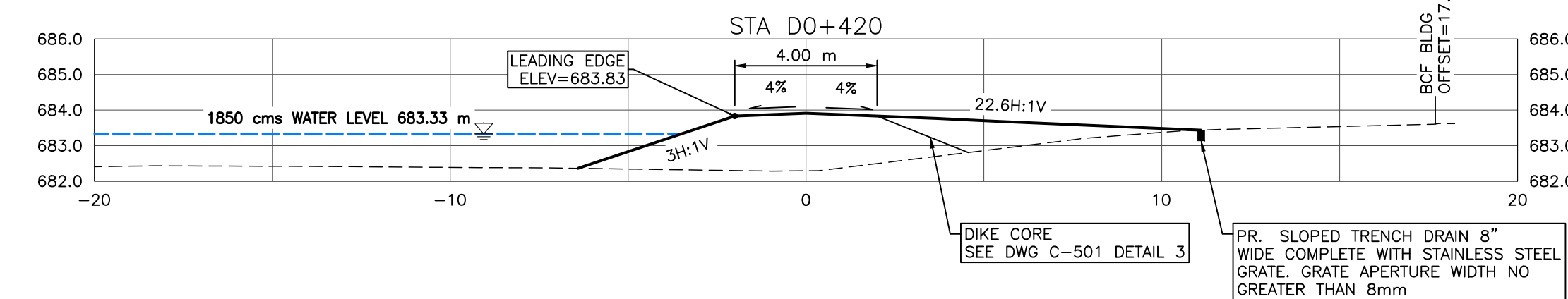
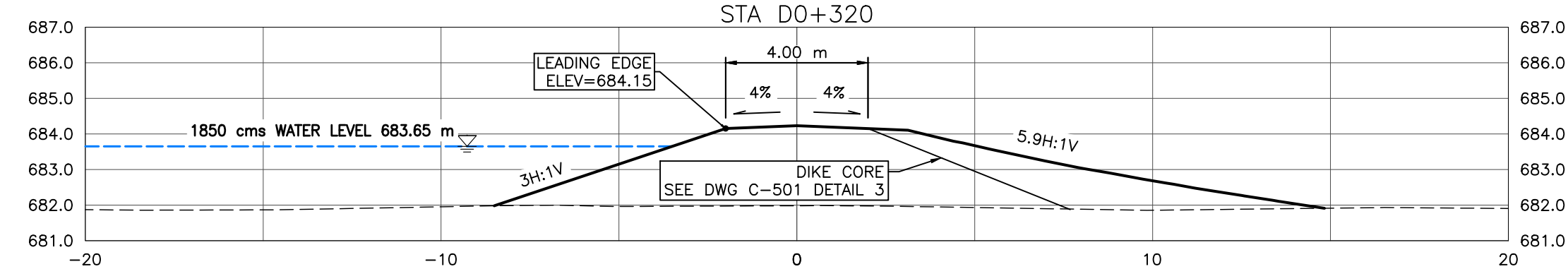
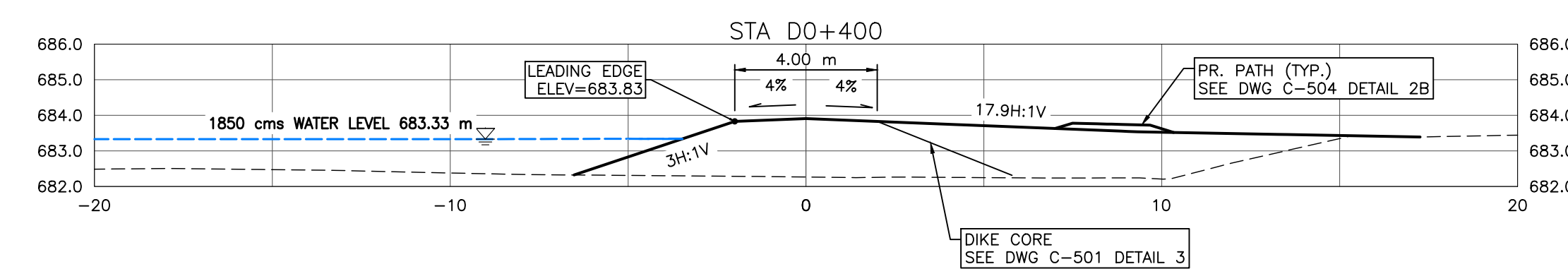
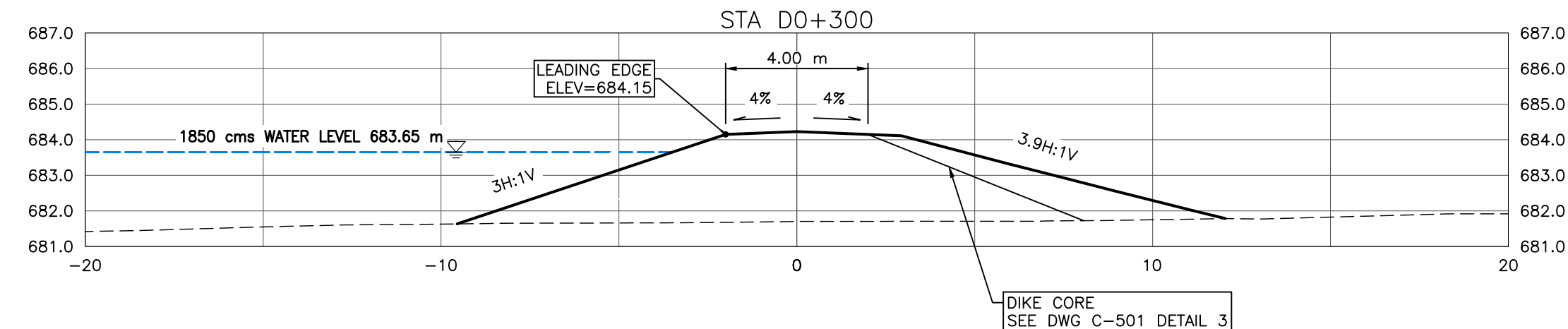
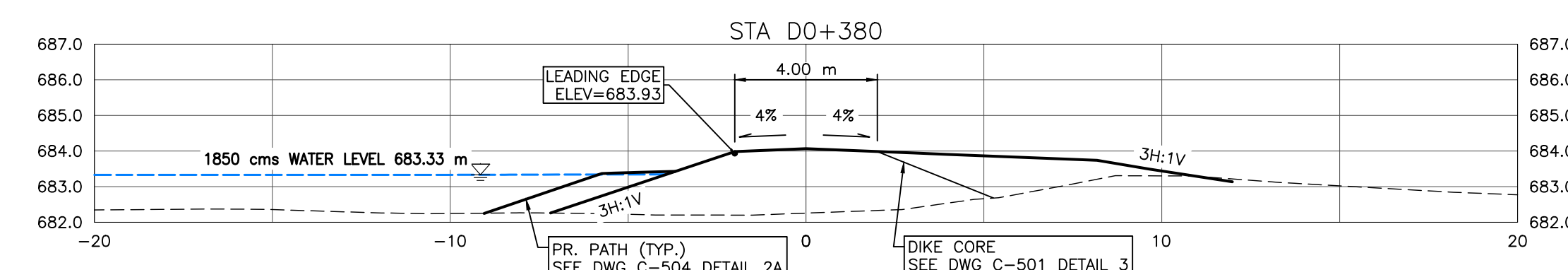
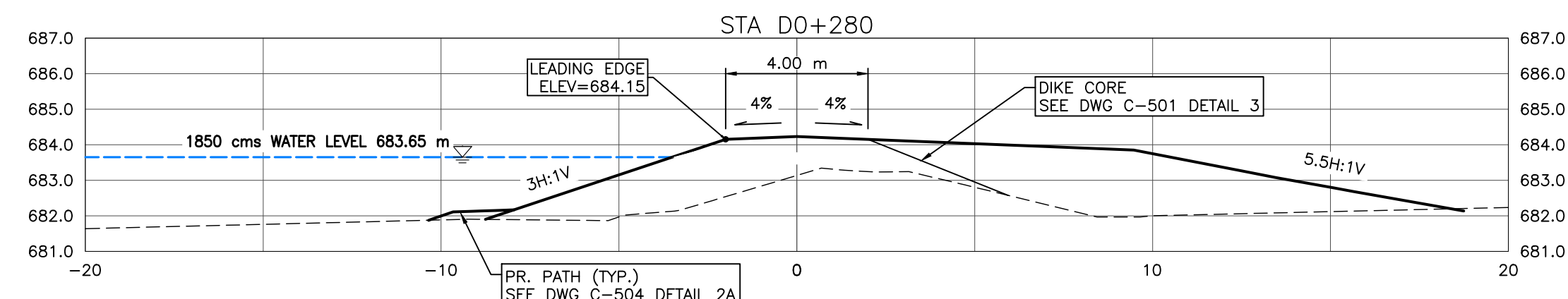
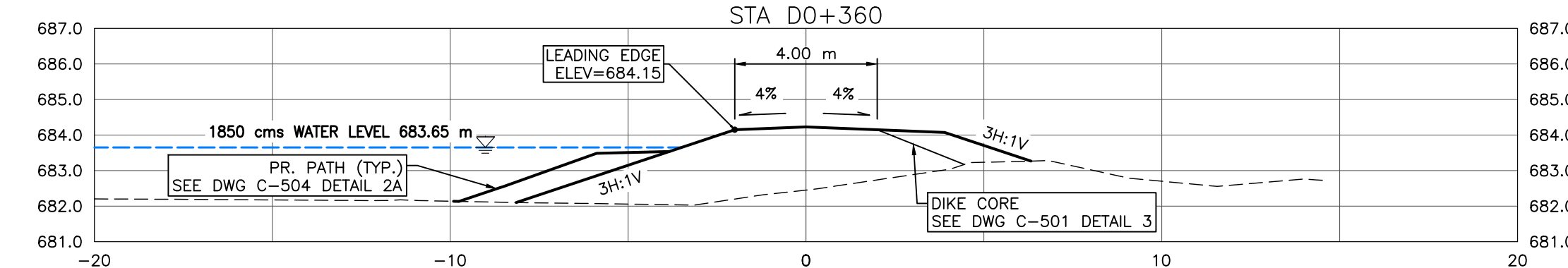
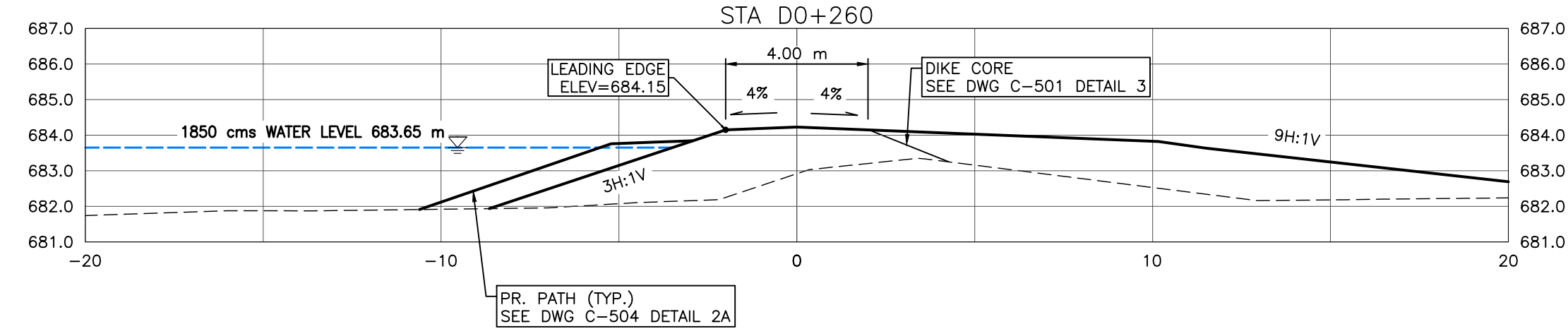
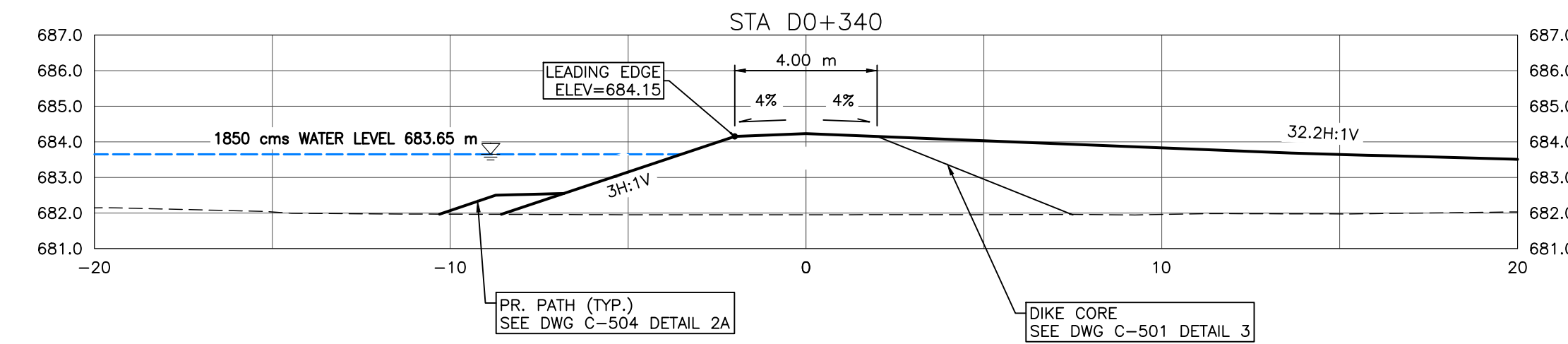
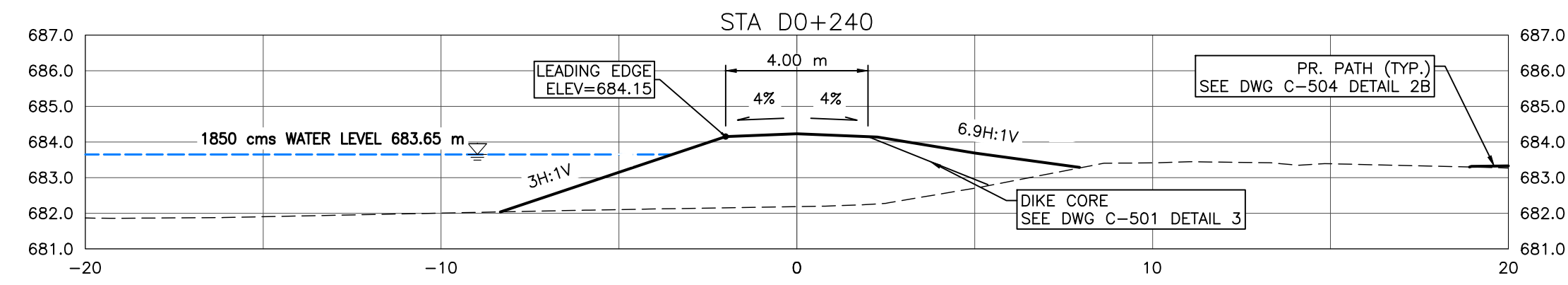
TOWN OF DRUMHELLER
DOWNTOWN DIKE
PLAN & PROFILE D1+040 TO D1+217

Project No. **21.2311.002** Drawing No. **C-108** Rev. **1**
Group **CIVIL**

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-301, 2023/06/28 05:11 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100
 millimetres
 50
 0
 10
 0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900
 5000
 5100
 5200
 5300
 5400
 5500
 5600
 5700
 5800
 5900
 6000
 6100
 6200
 6300
 6400
 6500
 6600
 6700
 6800
 6900
 7000
 7100
 7200
 7300
 7400
 7500
 7600
 7700
 7800
 7900
 8000
 8100
 8200
 8300
 8400
 8500
 8600
 8700
 8800
 8900
 9000
 9100
 9200
 9300
 9400
 9500
 9600
 9700
 9800
 9900
 10000
 10100
 10200
 10300
 10400
 10500
 10600
 10700
 10800
 10900
 11000
 11100
 11200
 11300
 11400
 11500
 11600
 11700
 11800
 11900
 12000
 12100
 12200
 12300
 12400
 12500
 12600
 12700
 12800
 12900
 13000
 13100
 13200
 13300
 13400
 13500
 13600
 13700
 13800
 13900
 14000
 14100
 14200
 14300
 14400
 14500
 14600
 14700
 14800
 14900
 15000
 15100
 15200
 15300
 15400
 15500
 15600
 15700
 15800
 15900
 16000
 16100
 16200
 16300
 16400
 16500
 16600
 16700
 16800
 16900
 17000
 17100
 17200
 17300
 17400
 17500
 17600
 17700
 17800
 17900
 18000
 18100
 18200
 18300
 18400
 18500
 18600
 18700
 18800
 18900
 19000
 19100
 19200
 19300
 19400
 19500
 19600
 19700
 19800
 19900
 20000
 20100
 20200
 20300
 20400
 20500
 20600
 20700
 20800
 20900
 21000
 21100
 21200
 21300
 21400
 21500
 21600
 21700
 21800
 21900
 22000
 22100
 22200
 22300
 22400
 22500
 22600
 22700
 22800
 22900
 23000
 23100
 23200
 23300
 23400
 23500
 23600
 23700
 23800
 23900
 24000
 24100
 24200
 24300
 24400
 24500
 24600
 24700
 24800
 24900
 25000
 25100
 25200
 25300
 25400
 25500
 25600
 25700
 25800
 25900
 26000
 26100
 26200
 26300
 26400
 26500
 26600
 26700
 26800
 26900
 27000
 27100
 27200
 27300
 27400
 27500
 27600
 27700
 27800
 27900
 28000
 28100
 28200
 28300
 28400
 28500
 28600
 28700
 28800
 28900
 29000
 29100
 29200
 29300
 29400
 29500
 29600
 29700
 29800
 29900
 30000
 30100
 30200
 30300
 30400
 30500
 30600
 30700
 30800
 30900
 31000
 31100
 31200
 31300
 31400
 31500
 31600
 31700
 31800
 31900
 32000
 32100
 32200
 32300
 32400
 32500
 32600
 32700
 32800
 32900
 33000
 33100
 33200
 33300
 33400
 33500
 33600
 33700
 33800
 33900
 34000
 34100
 34200
 34300
 34400
 34500
 34600
 34700
 34800
 34900
 35000
 35100
 35200
 35300
 35400
 35500
 35600
 35700
 35800
 35900
 36000
 36100
 36200
 36300
 36400
 36500
 36600
 36700
 36800
 36900
 37000
 37100
 37200
 37300
 37400
 37500
 37600
 37700
 37800
 37900
 38000
 38100
 38200
 38300
 38400
 38500
 38600
 38700
 38800
 38900
 39000
 39100
 39200
 39300
 39400
 39500
 39600
 39700
 39800
 39900
 40000
 40100
 40200
 40300
 40400
 40500
 40600
 40700
 40800
 40900
 41000
 41100
 41200
 41300
 41400
 41500
 41600
 41700
 41800
 41900
 42000
 42100
 42200
 42300
 42400
 42500
 42600
 42700
 42800
 42900
 43000
 43100
 43200
 43300
 43400
 43500
 43600
 43700
 43800
 43900
 44000
 44100
 44200
 44300
 44400
 44500
 44600
 44700
 44800
 44900
 45000
 45100
 45200
 45300
 45400
 45500
 45600
 45700
 45800
 45900
 46000
 46100
 46200
 46300
 46400
 46500
 46600
 46700
 46800
 46900
 47000
 47100
 47200
 47300
 47400
 47500
 47600
 47700
 47800
 47900
 48000
 48100
 48200
 48300
 48400
 48500
 48600
 48700
 48800
 48900
 49000
 49100
 49200
 49300
 49400
 49500
 49600
 49700
 49800
 49900
 50000
 50100
 50200
 50300
 50400
 50500
 50600
 50700
 50800
 50900
 51000
 51100
 51200
 51300
 51400
 51500
 51600
 51700
 51800
 51900
 52000
 52100
 52200
 52300
 52400
 52500
 52600
 52700
 52800
 52900
 53000
 53100
 53200
 53300
 53400
 53500
 53600
 53700
 53800
 53900
 54000
 54100
 54200
 54300
 54400
 54500
 54600
 54700
 54800
 54900
 55000
 55100
 55200
 55300
 55400
 55500
 55600
 55700
 55800
 55900
 56000
 56100
 56200
 56300
 56400
 56500
 56600
 56700
 56800
 56900
 57000
 57100
 57200
 57300
 57400
 57500
 57600
 57700
 57800
 57900
 58000
 58100
 58200
 58300
 58400
 58500
 58600
 58700
 58800
 58900
 59000
 59100
 59200
 59300
 59400
 59500
 59600
 59700
 59800
 59900
 60000
 60100
 60200
 60300
 60400
 60500
 60600
 60700
 60800
 60900
 61000
 61100
 61200
 61300
 61400
 61500
 61600
 61700
 61800
 61900
 62000
 62100
 62200
 62300
 62400
 62500
 62600
 62700
 62800
 62900
 63000
 63100
 63200
 63300
 63400
 63500
 63600
 63700
 63800
 63900
 64000
 64100
 64200
 64300
 64400
 64500
 64600
 64700
 64800
 64900
 65000
 65100
 65200
 65300
 65400
 65500
 65600
 65700
 65800
 65900
 66000
 66100
 66200
 66300
 66400
 66500
 66600
 66700
 66800
 66900
 67000
 67100
 67200
 67300
 67400
 67500
 67600
 67700
 67800
 67900
 68000
 68100
 68200
 68300
 68400
 68500
 68600
 68700
 68800
 68900
 69000
 69100
 69200
 69300
 69400
 69500
 69600
 69700
 69800
 69900
 70000
 70100
 70200
 70300
 70400
 70500
 70600
 70700
 70800
 70900
 71000
 71100
 71200
 71300
 71400
 71500
 71600
 71700
 71800
 71900
 72000
 72100
 72200
 72300
 72400
 72500
 72600
 72700
 72800
 72900
 73000
 73100
 73200
 73300
 73400
 73500
 73600
 73700
 73800
 73900
 74000
 74100
 74200
 74300
 74400
 74500
 74600
 74700
 74800
 74900
 75000
 75100
 75200
 75300
 75400
 75500
 75600
 75700
 75800
 75900
 76000
 76100
 76200
 76300
 76400
 76500
 76600
 76700
 76800
 76900
 77000
 77100
 77200
 77300
 77400
 77500
 77600
 77700
 77800
 77900
 78000
 78100
 78200
 78300
 78400
 78500
 78600
 78700
 78800
 78900
 79000
 79100
 79200
 79300
 79400
 79500
 79600
 79700
 79800
 79900
 80000
 80100
 80200
 80300
 80400
 80500
 80600
 80700
 80800
 80900
 81000
 81100
 81200
 81300
 81400
 81500
 81600
 81700
 81800
 81900
 82000
 82100
 82200
 82300
 82400
 82500
 82600
 82700
 82800
 82900
 83000
 83100
 83200
 83300
 83400
 83500
 83600
 83700
 83800
 83900
 84000
 84100
 84200
 84300
 84400
 84500
 84600
 84700
 84800
 84900
 85000
 85100
 85200
 85300
 85400
 85500
 85600
 85700
 85800
 85900
 86000
 86100
 86200
 86300
 86400
 86500
 86600
 86700
 86800
 86900
 87000
 87100
 87200
 87300
 87400
 87500
 87600
 87700
 87800
 87900
 88000
 88100
 88200
 88300
 88400
 88500
 88600
 88700
 88800
 88900
 89000
 89100
 89200
 89300
 89400
 89500
 89600
 89700
 89800
 89900
 90000
 90100
 90200
 90300
 90400
 90500
 90600
 90700
 90800
 90900
 91000
 91100
 91200
 91300
 91400
 91500
 91600
 91700
 91800
 91900
 92000
 92100
 92200
 92300
 92400
 92500
 92600
 92700
 92800
 92900
 93000
 93100
 93200
 93300
 93400
 93500
 93600
 93700
 93800
 93900
 94000
 94100
 94200
 94300
 94400
 94500
 94600
 94700
 94800
 94900
 95000
 95100
 95200
 95300
 95400
 95500
 95600
 95700
 95800
 95900
 96000
 96100
 96200
 96300
 96400
 96500
 96600
 96700
 96800
 96900
 97000
 97100
 97200
 97300
 97400
 97500
 97600
 97700
 97800
 97900
 98000
 98100
 98200
 98300
 98400
 98500
 98600
 98700
 98800
 98900
 99000
 99100
 99200
 99300
 99400
 99500
 99600
 99700
 99800
 99900
 100000
 100100
 100200
 100300
 100400
 100500
 100600
 100700
 100800
 100900
 101000
 101100
 101200
 101300
 101400
 101500
 101600
 101700
 101800
 101900
 102000
 102100
 102200
 102300
 102400
 102500
 102600
 102700
 102800
 102900
 103000
 103100
 103200
 103300
 103400
 103500
 103600
 103700
 103800
 103900
 104000
 104100
 104200
 104300
 104400
 104500
 104600
 104700
 104800
 104900
 105000
 105100
 105200
 105300
 105400
 105500
 105600
 105700
 105800
 105900
 106000
 106100
 106200
 106300
 106400
 106500
 106600
 106700
 106800
 106900
 107000
 107100
 107200
 107300
 107400
 107500
 107600
 107700
 107800
 107900
 108000
 108100
 108200
 108300
 108400
 108500
 108600
 108700
 108800
 108900
 109000
 109100
 109200
 109300
 109400
 109500
 109600
 109700
 109800
 109900
 110000
 110100
 110200
 110300
 110400
 110500
 110600
 110700
 110800
 110900
 111000
 111100
 111200
 111300
 111400
 111500
 111600
 111700
 111800
 111900
 112000
 112100
 112200
 112300
 112400
 112500
 112600
 112700
 112800
 112900
 113000
 113100
 113200
 113300
 113400
 113500
 113600
 113700
 113800
 113900
 114000
 114100
 114200
 114300
 114400
 114500
 114600
 114700
 114800
 114900
 115000
 115100
 115200
 115300
 115400
 115500
 115600
 115700
 115800
 115900
 116000
 116100
 116200
 116300
 116400
 116500
 116600
 116700
 116800
 116900
 117000
 117100
 117200
 117300
 117400
 117500
 117600
 117700
 117800
 117900
 118000
 118100
 118200
 118300
 118400
 118500
 118600
 118700
 118800
 118900
 119000
 119100
 119200
 119300
 119400
 119500
 119600
 119700
 119800
 119900
 120000
 120100
 120200
 120300
 120400
 120500
 120600
 120700
 120800
 120900

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-302, 2023/06/28 05:12 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 320 mm x 800 mm
 100
 50
 0
 millimeters
 10
 0
 100
 50
 0
 millimeters



NOTES:

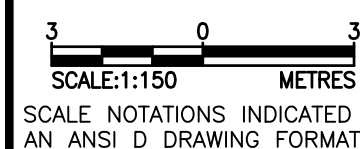
- PROPOSED DOWNTOWN DIKE RETAINING WALL HAND RAILS NOT SHOWN FOR CLARITY. (RETAINING WALL REFER TO DOWNTOWN DIKE REDI-ROCK RETAINING WALL DWG PACKAGE FOR DETAILS).
- PR. ASPHALT PATHWAY NOT SHOWN FOR CLARITY. ASPHALT PATHWAY 1 TO BE FIELD FIT AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION (SEE DETAIL DWG C-504 2A/2B FOR ASPHALT PATHWAY STRUCTURE).
- DESIGN GRADES SHOWN ARE TO TOP OF IMPERVIOUS FILL MATERIAL UNLESS OTHERWISE STATED.

REFERENCE:

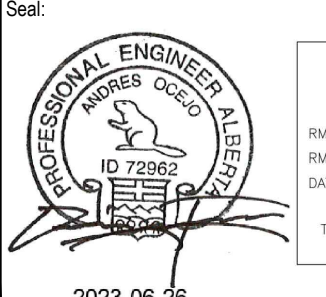
- RIVER WATER LEVELS PROVIDED BY NHC (NORTHWEST HYDRAULIC CONSULTANTS) AT THE RS (RIVER STATIONING) SHOWN ON KEY PLAN

CROSS SECTIONS

1:150



SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RM SIGNATURE: [Signature]
 RM AFEIDA ID #: 69046
 DATE: June 26, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

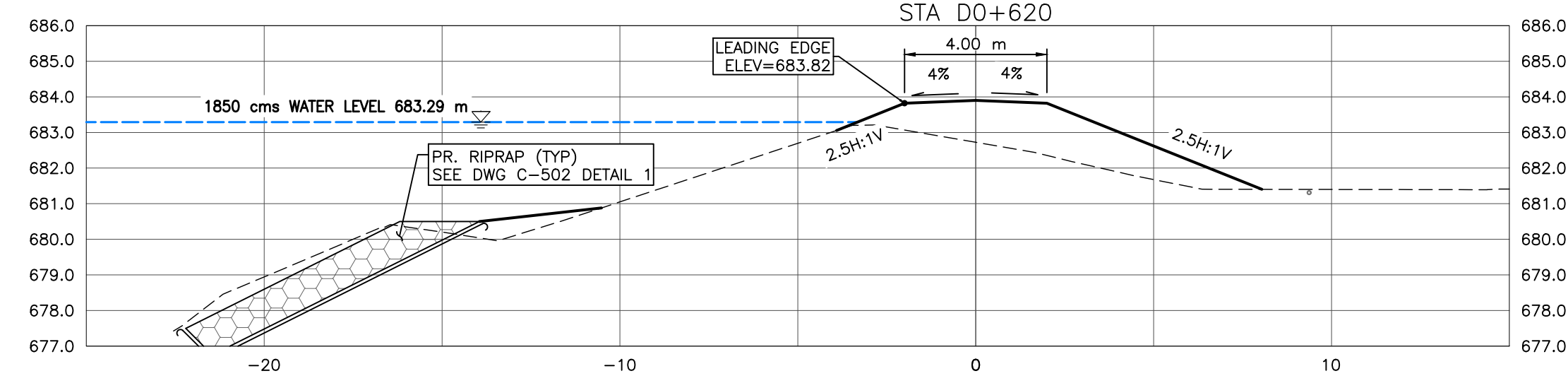
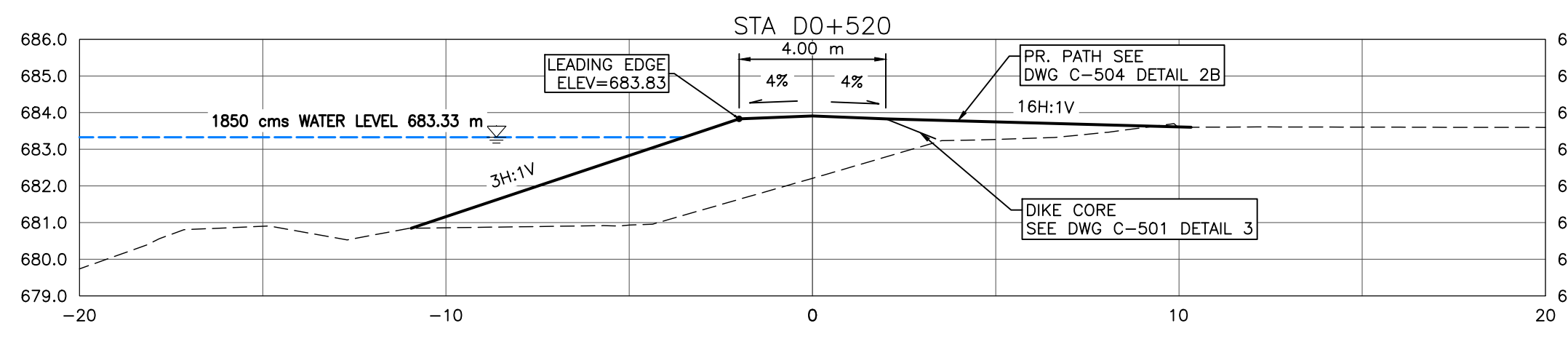
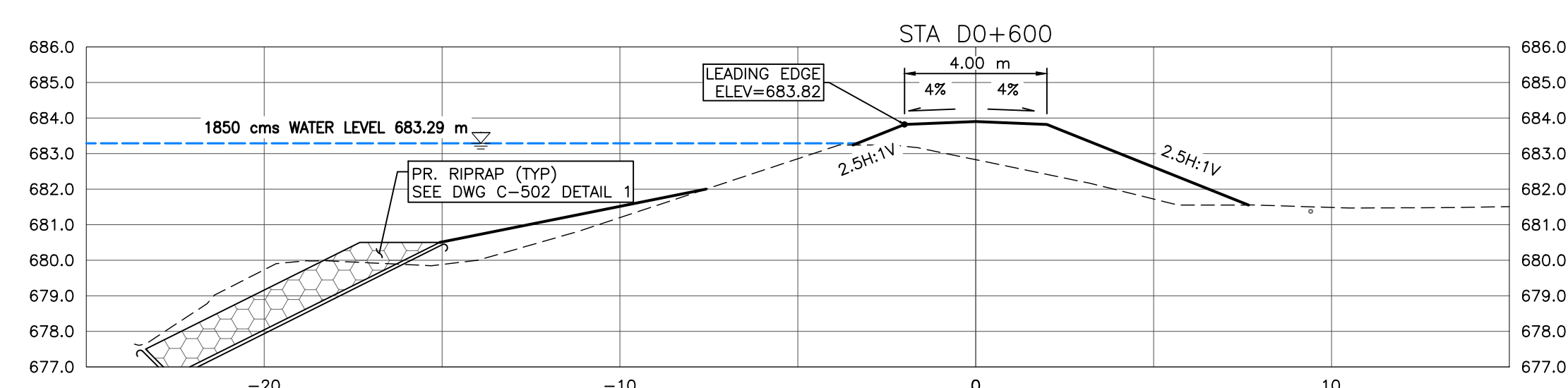
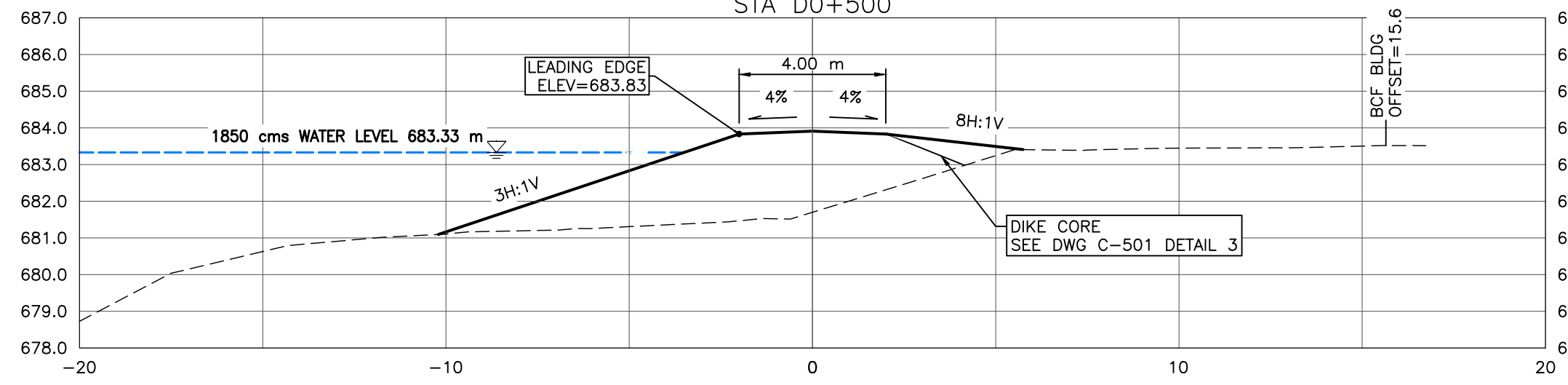
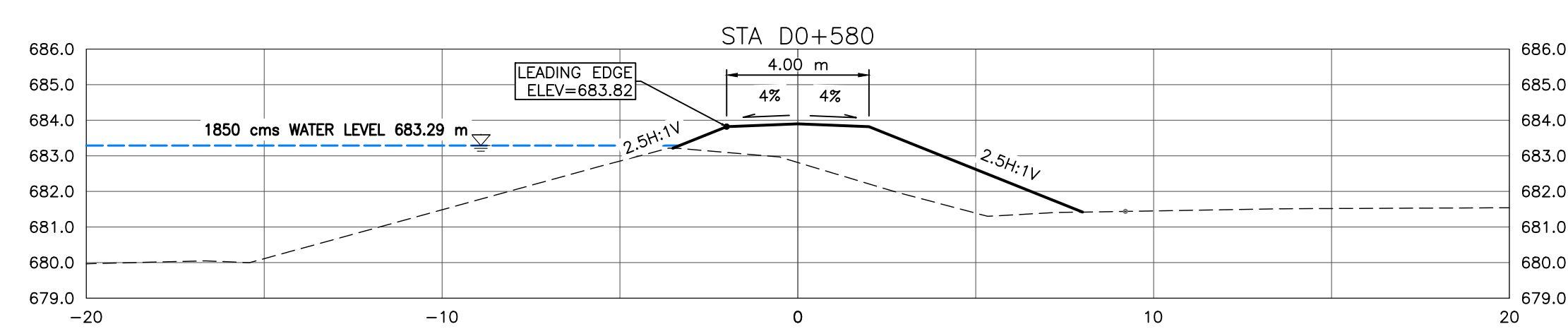
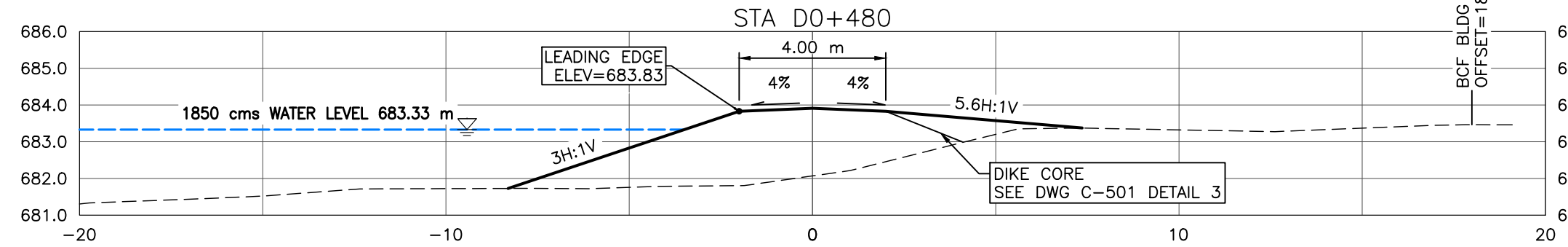
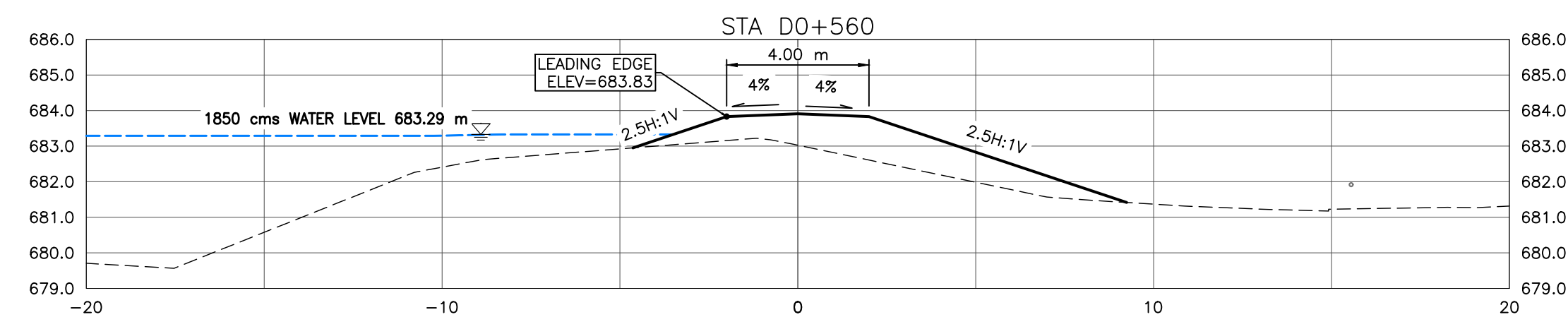
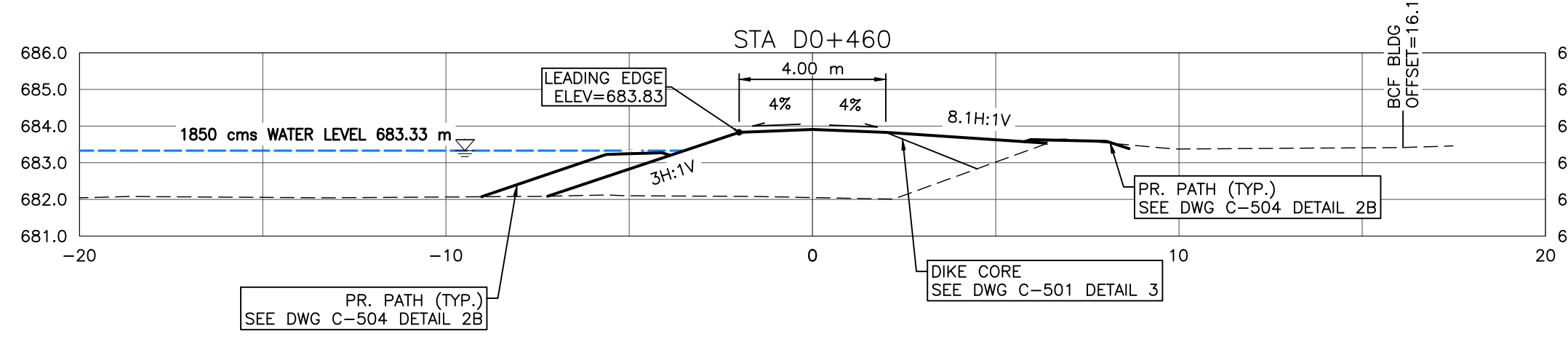
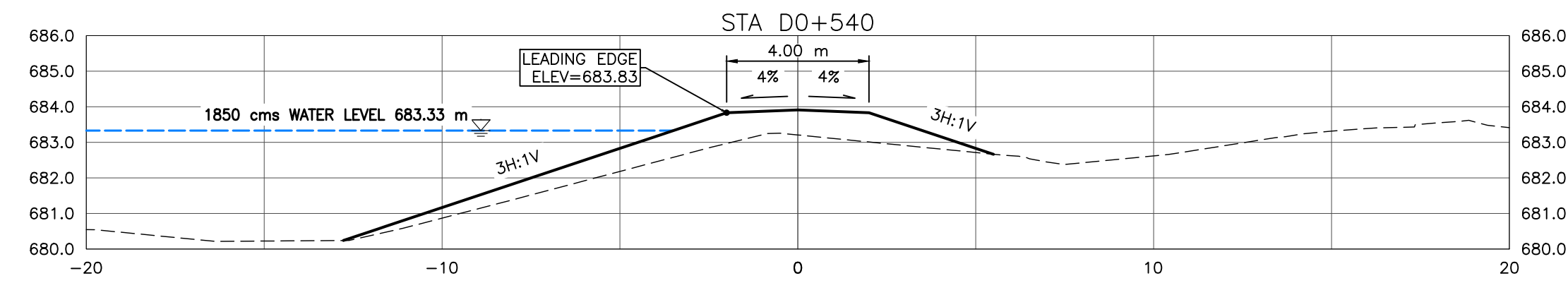
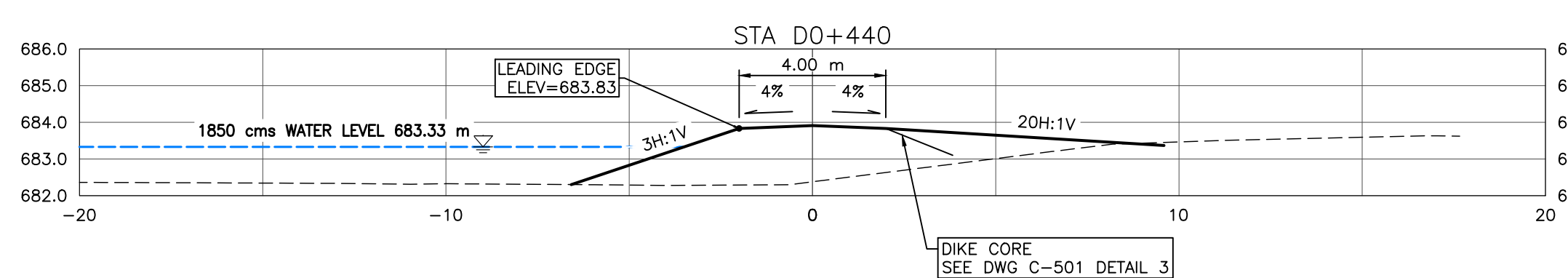
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
CROSS SECTIONS 2

Project No. **21.2311.002** Drawing No. **C-302** Rev. **1**
 Group **CIVIL**

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-303, 2023/06/28 05:12 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100
 50
 0
 millimeters
 170
 0
 10
 50
 100
 150
 200
 250
 300
 350
 400
 450
 500
 550
 600
 650
 700
 750
 800
 850
 900
 950
 1000
 millimeters



NOTES:

- PROPOSED DOWNTOWN DIKE RETAINING WALL HAND RAILS NOT SHOWN FOR CLARITY. (RETAINING WALL REFER TO DOWNTOWN DIKE RED-ROCK RETAINING WALL DWG PACKAGE FOR DETAILS).
- PR. ASPHALT PATHWAY NOT SHOWN FOR CLARITY. ASPHALT PATHWAY & TO BE FIELD FIT AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION (SEE DETAIL DWG C-504 2A/2B FOR ASPHALT PATHWAY STRUCTURE).
- DESIGN GRADES SHOWN ARE TO TOP OF IMPERVIOUS FILL MATERIAL UNLESS OTHERWISE STATED.
- RIVERSIDE DRIVE NOT SHOWN FOR CLARITY
- GEOGRID NOT SHOWN FOR CLARITY

- REFERENCE:**
- RIVER WATER LEVELS PROVIDED BY NHC (NORTHWEST HYDRAULIC CONSULTANTS) AT THE RS (RIVER STATIONING) SHOWN ON KEY PLAN

CROSS SECTIONS
1:150

SCALE: 1:150
METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



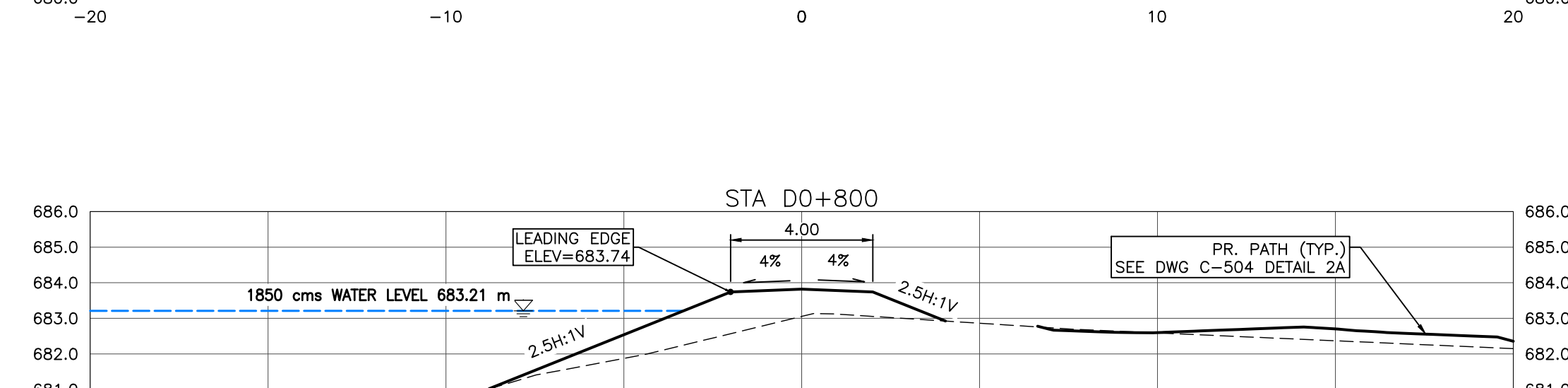
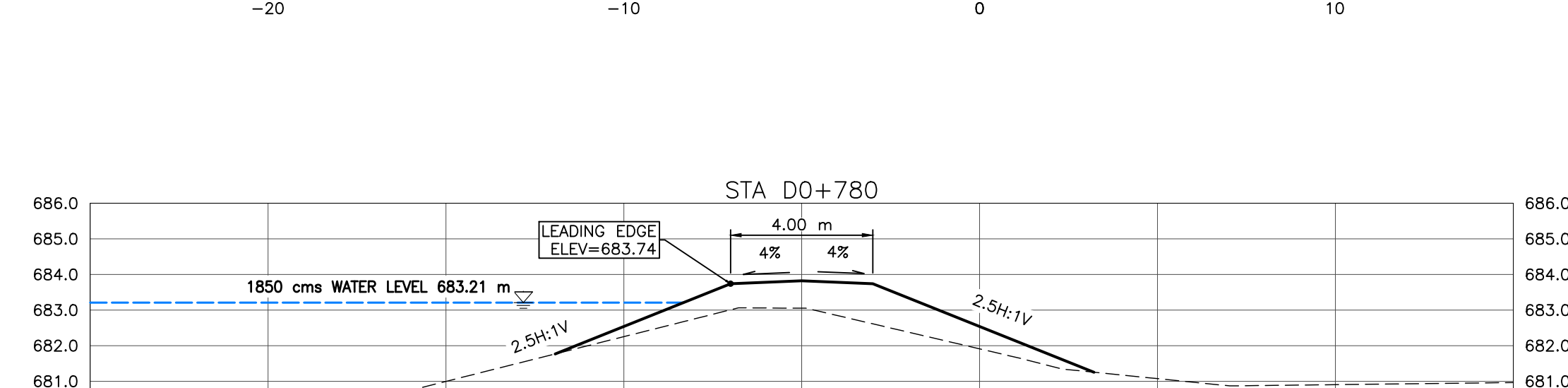
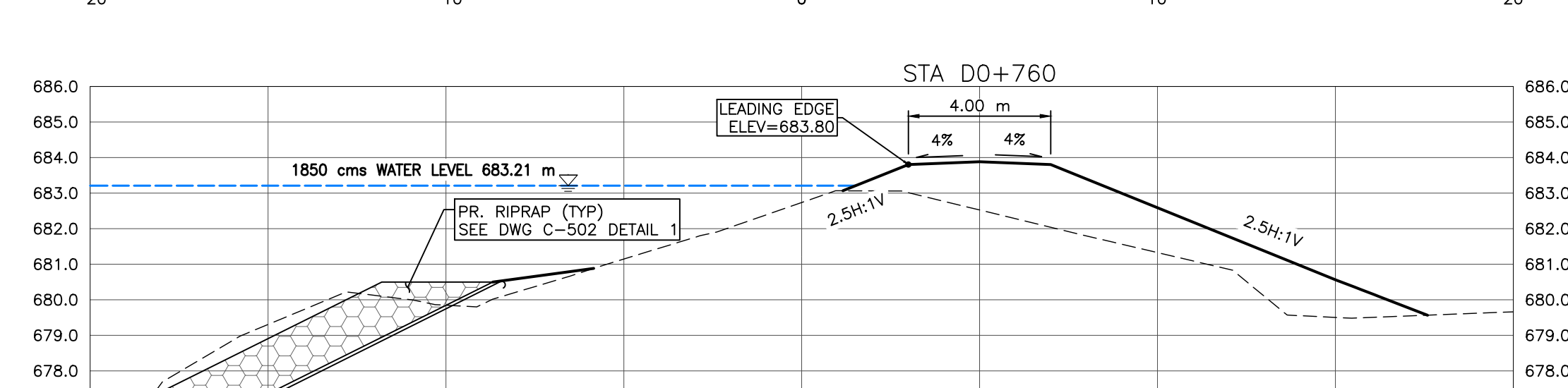
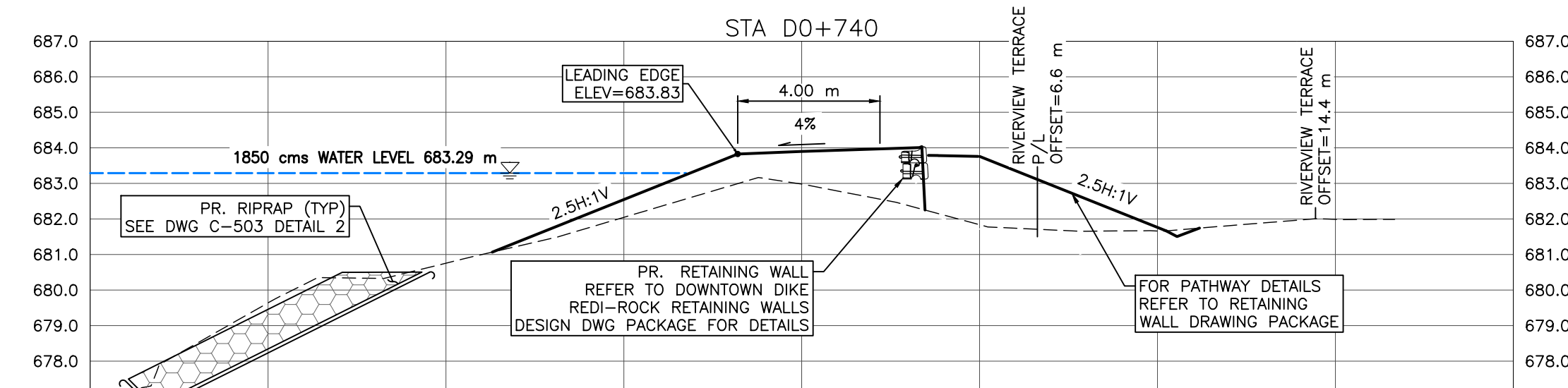
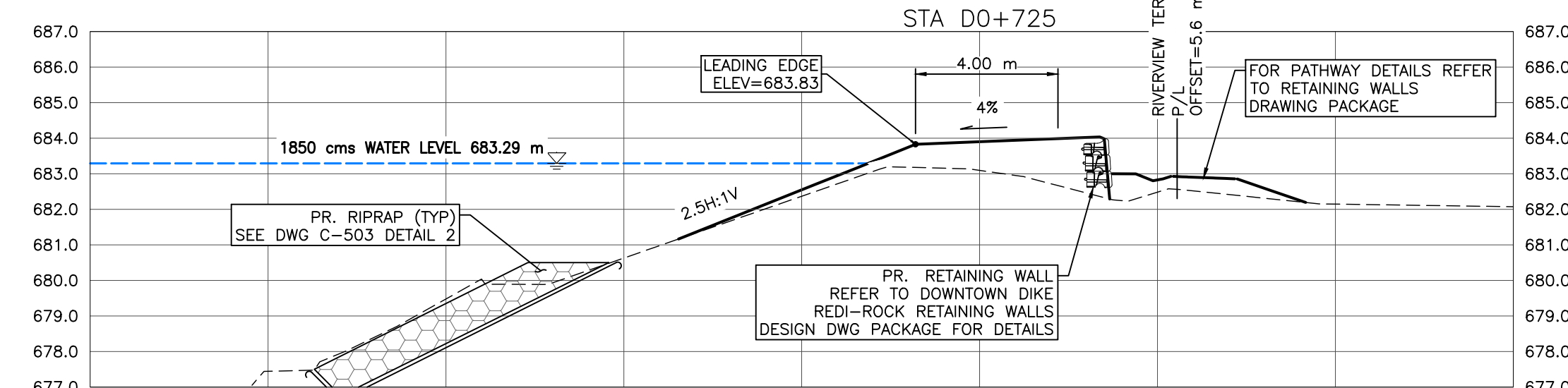
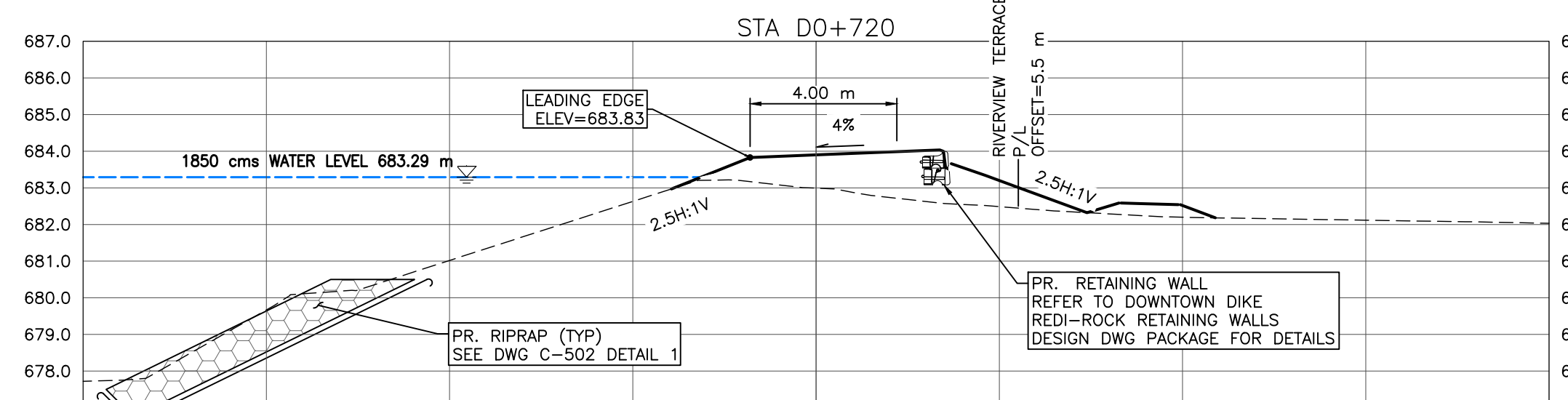
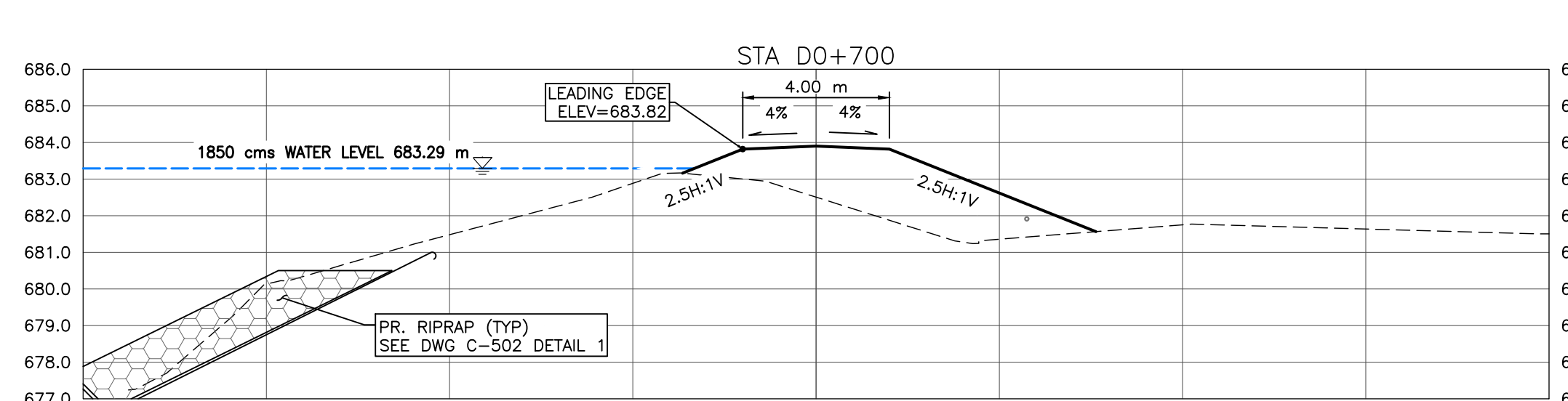
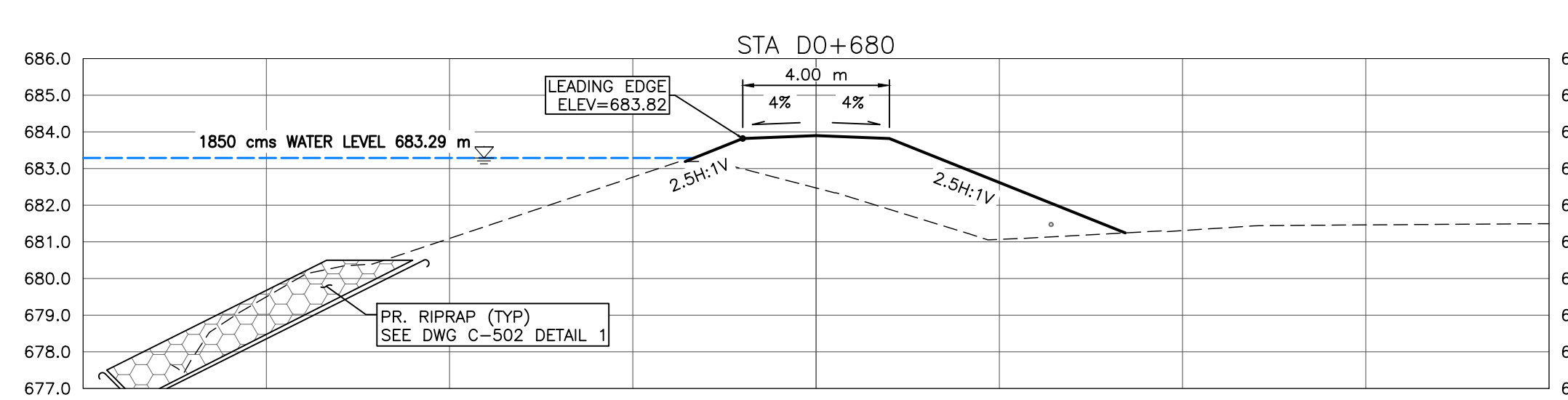
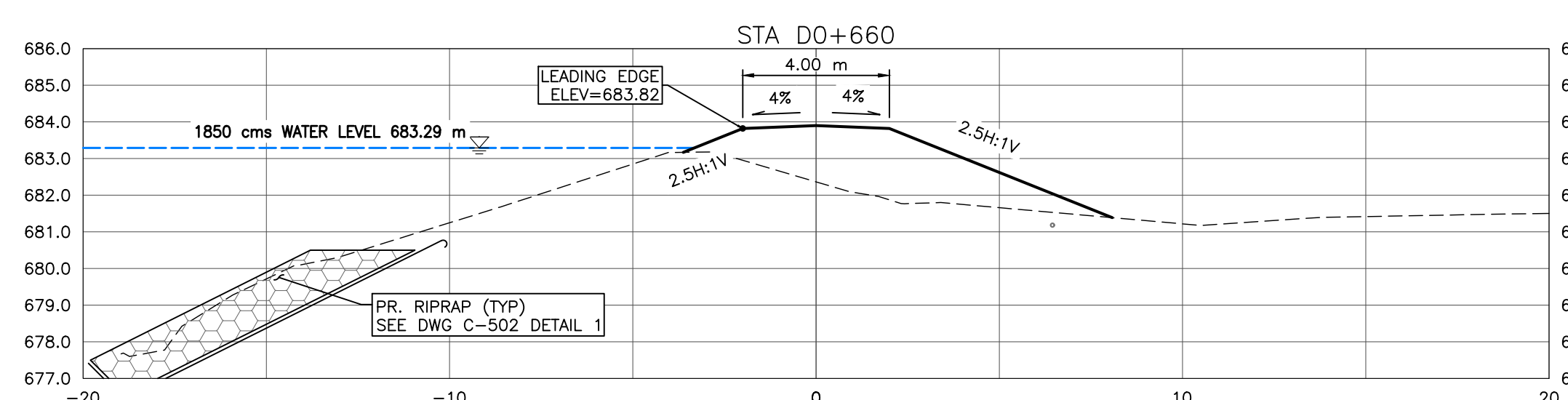
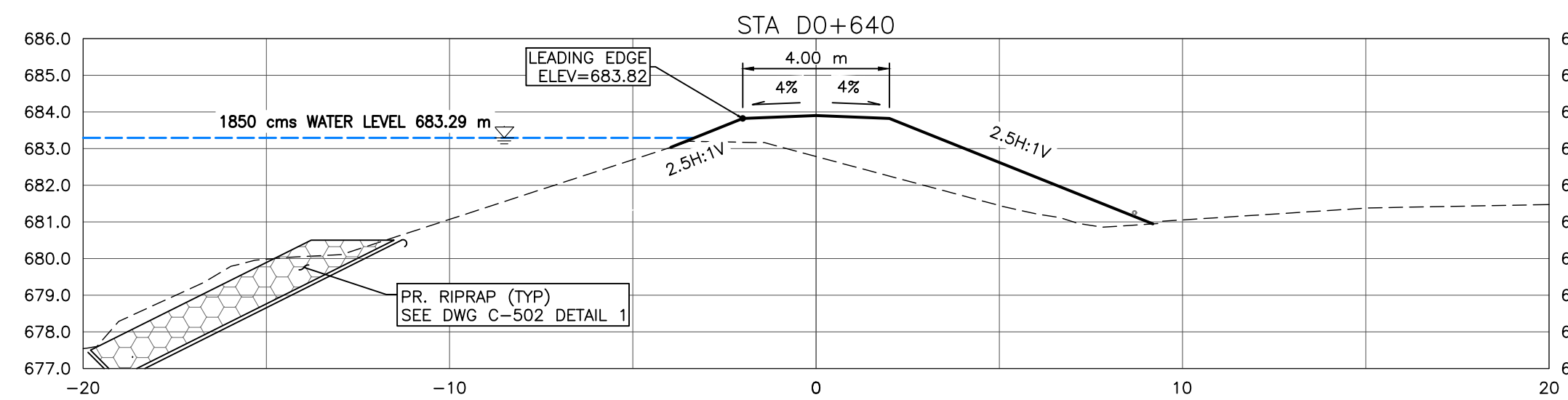
PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RM SIGNATURE: [Signature]
RM AFECA ID #: 69046
ID 72962
DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER						
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION						

TOWN OF DRUMHELLER DOWNTOWN DIKE CROSS SECTIONS 3		
Project No.	21.2311.002	Drawing No.
Group	CIVIL	Rev.
		C-303
		1

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETTECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETTECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-304_2023/06/28 05:12 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100
 50
 0
 millimeters
 100
 50
 0
 millimeters



NOTES:

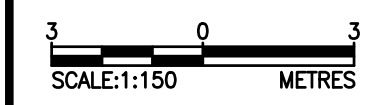
- PROPOSED DOWNTOWN DIKE RETAINING WALL HAND RAILS NOT SHOWN FOR CLARITY. (RETAINING WALL REFER TO DOWNTOWN DIKE REDI-ROCK RETAINING WALL DWG PACKAGE FOR DETAILS).
- PR. ASPHALT PATHWAY NOT SHOWN FOR CLARITY. ASPHALT PATHWAY 1 TO BE FIELD FIT AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION (SEE DETAIL DWG C-504 2A/2B FOR ASPHALT PATHWAY STRUCTURE).
- DESIGN GRADES SHOWN ARE TO TOP OF IMPERVIOUS FILL MATERIAL UNLESS OTHERWISE STATED.

REFERENCE:

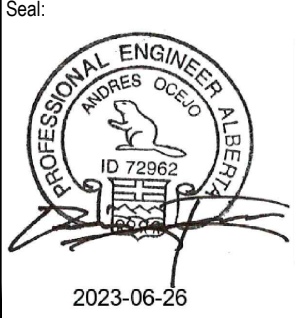
- RIVER WATER LEVELS PROVIDED BY NHC (NORTHWEST HYDRAULIC CONSULTANTS) AT THE RS (RIVER STATIONING) SHOWN ON KEY PLAN

CROSS SECTIONS

1:150



SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



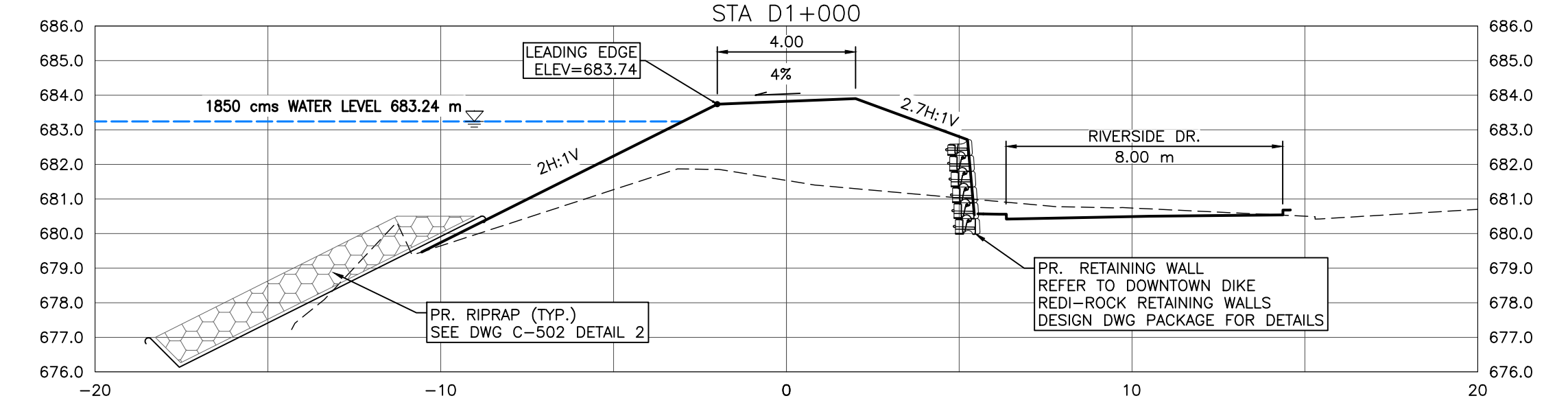
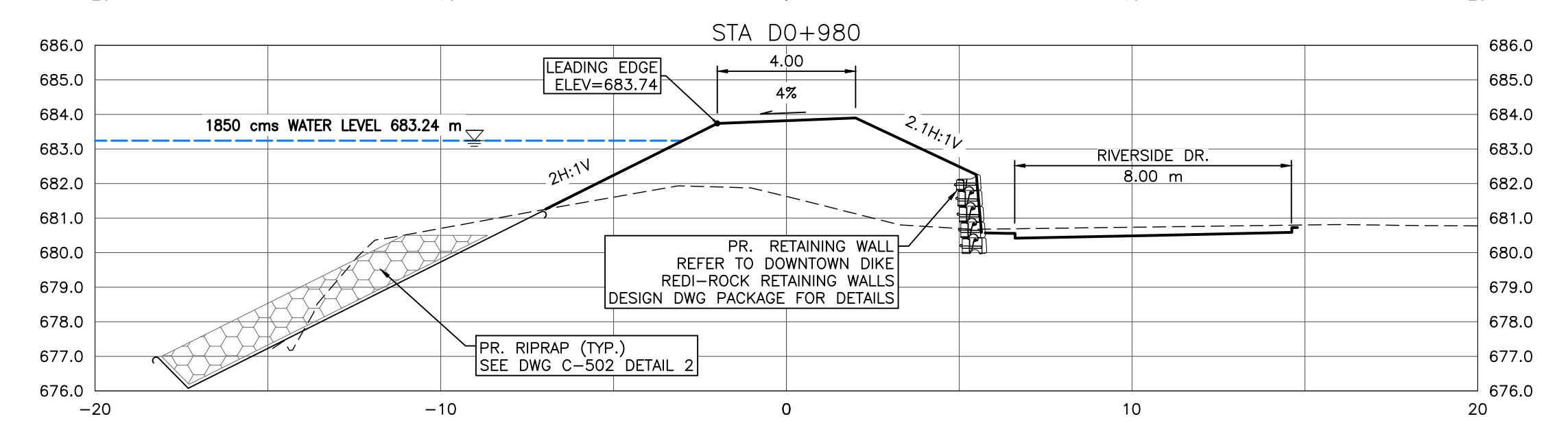
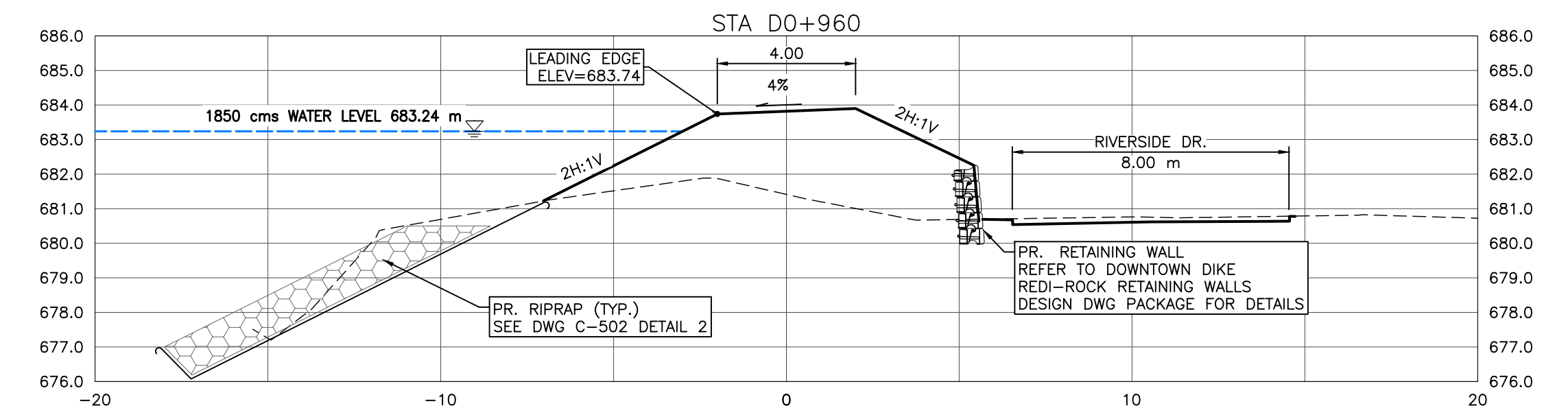
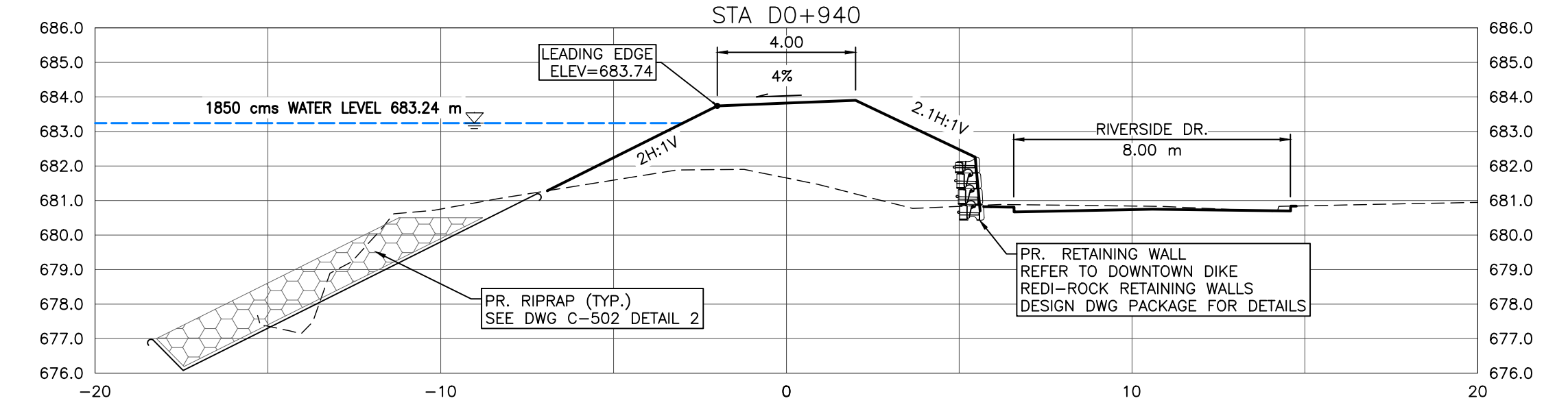
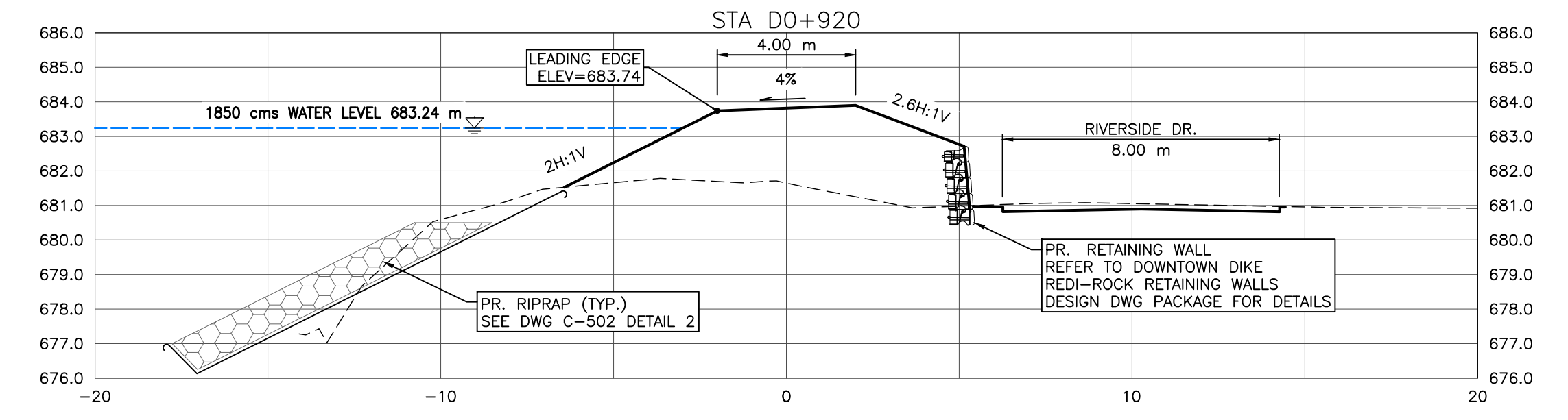
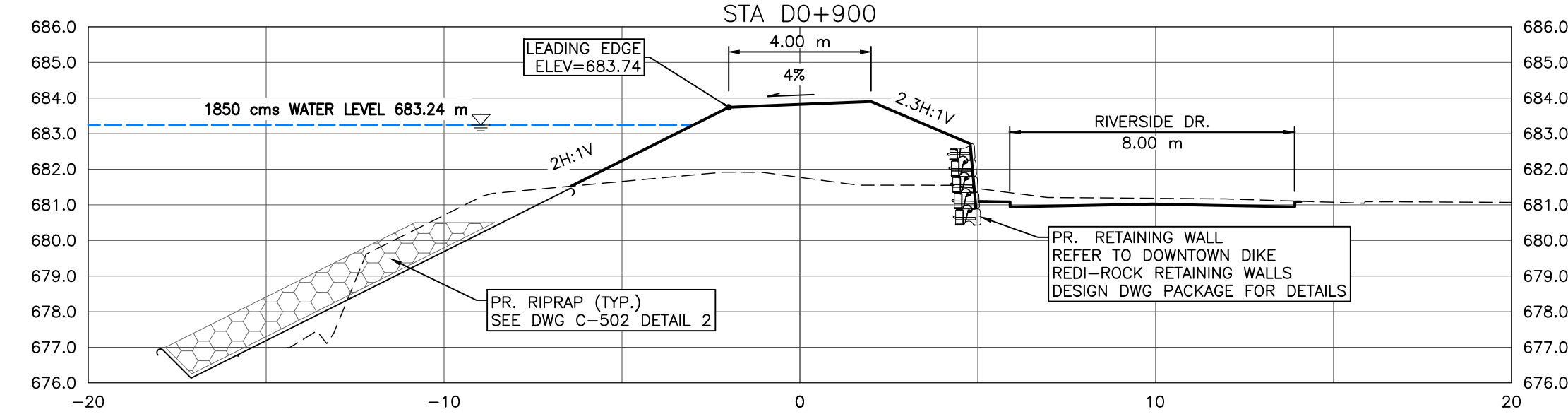
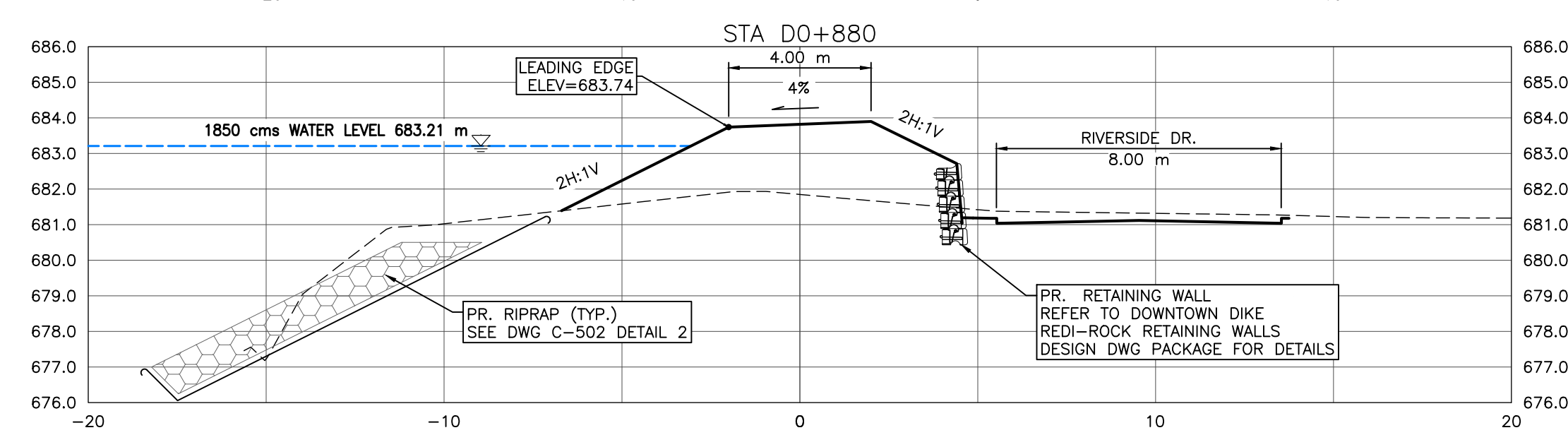
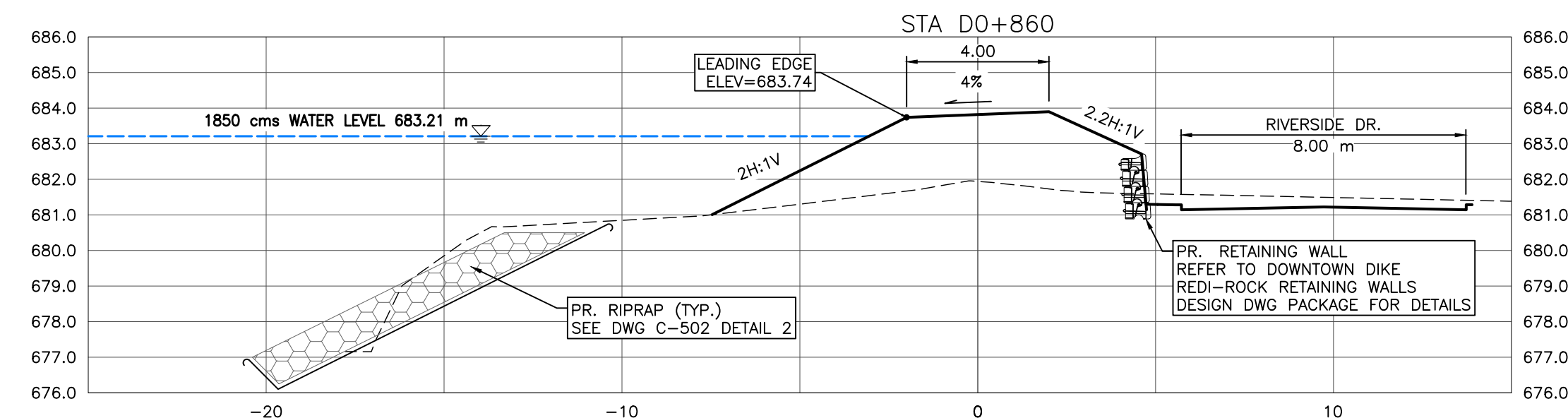
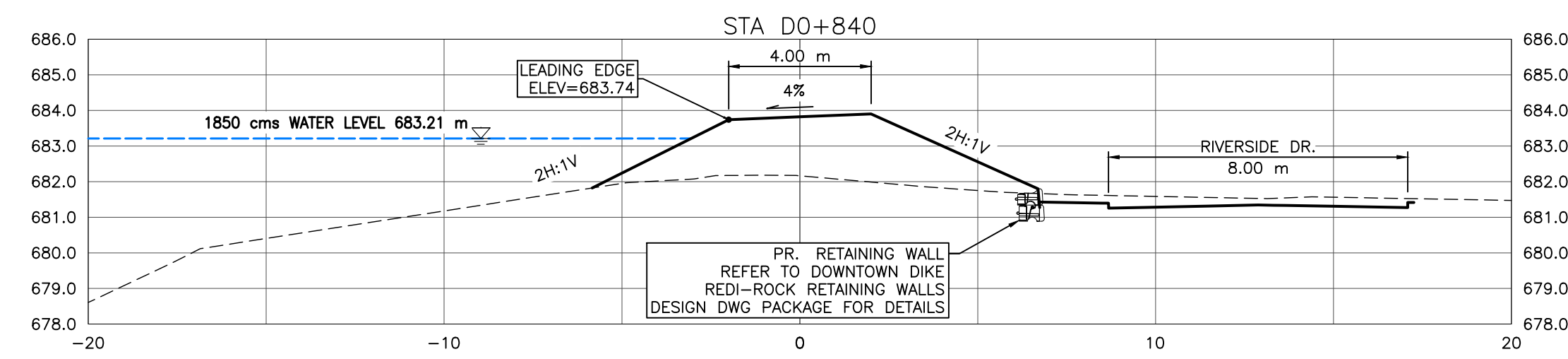
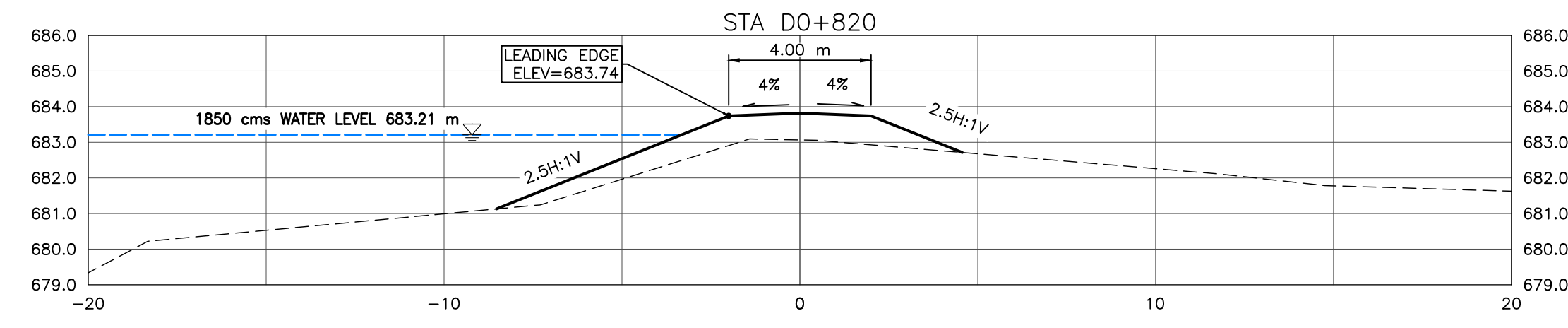
PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 RW AFECA ID #: 69046
 ID 72962
 DATE: JUNE 26, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER	
DOWNTOWN DIKE	
CROSS SECTIONS 4	
Project No.	21.2311.002
Group	CIVIL
Drawing No.	C-304
Rev.	1

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-305, 2023/06/28 05:12 pm Griffin
 Saved: 2023/06/28 3:06 PM
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100 millimeters
 50
 0



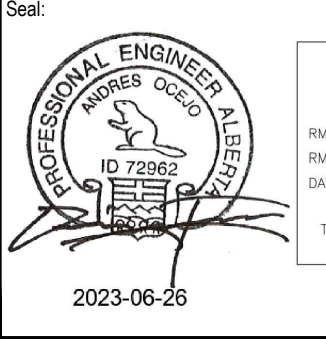
NOTES:

- PROPOSED DOWNTOWN DIKE RETAINING WALL HAND RAILS NOT SHOWN FOR CLARITY. (RETAINING WALL REFER TO DOWNTOWN DIKE REDI-ROCK RETAINING WALL DWG PACKAGE FOR DETAILS).
- PR. ASPHALT PATHWAY NOT SHOWN FOR CLARITY. ASPHALT PATHWAY & TO BE FIELD FIT AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION (SEE DETAIL DWG C-504 2A/2B FOR ASPHALT PATHWAY STRUCTURE).
- DESIGN GRADES SHOWN ARE TO TOP OF IMPERVIOUS FILL MATERIAL UNLESS OTHERWISE STATED.
- RIVERSIDE DRIVE NOT SHOWN FOR CLARITY.
- GEOGRID NOT SHOWN FOR CLARITY.

- REFERENCE:**
- RIVER WATER LEVELS PROVIDED BY NHC (NORTHWEST HYDRAULIC CONSULTANTS) AT THE RS (RIVER STATIONING) SHOWN ON KEY PLAN

CROSS SECTIONS
1:150

SCALE: 1:150 METRES
 SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RM SIGNATURE: [Signature]
 ID 72962
 DATE: JUNE 25, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

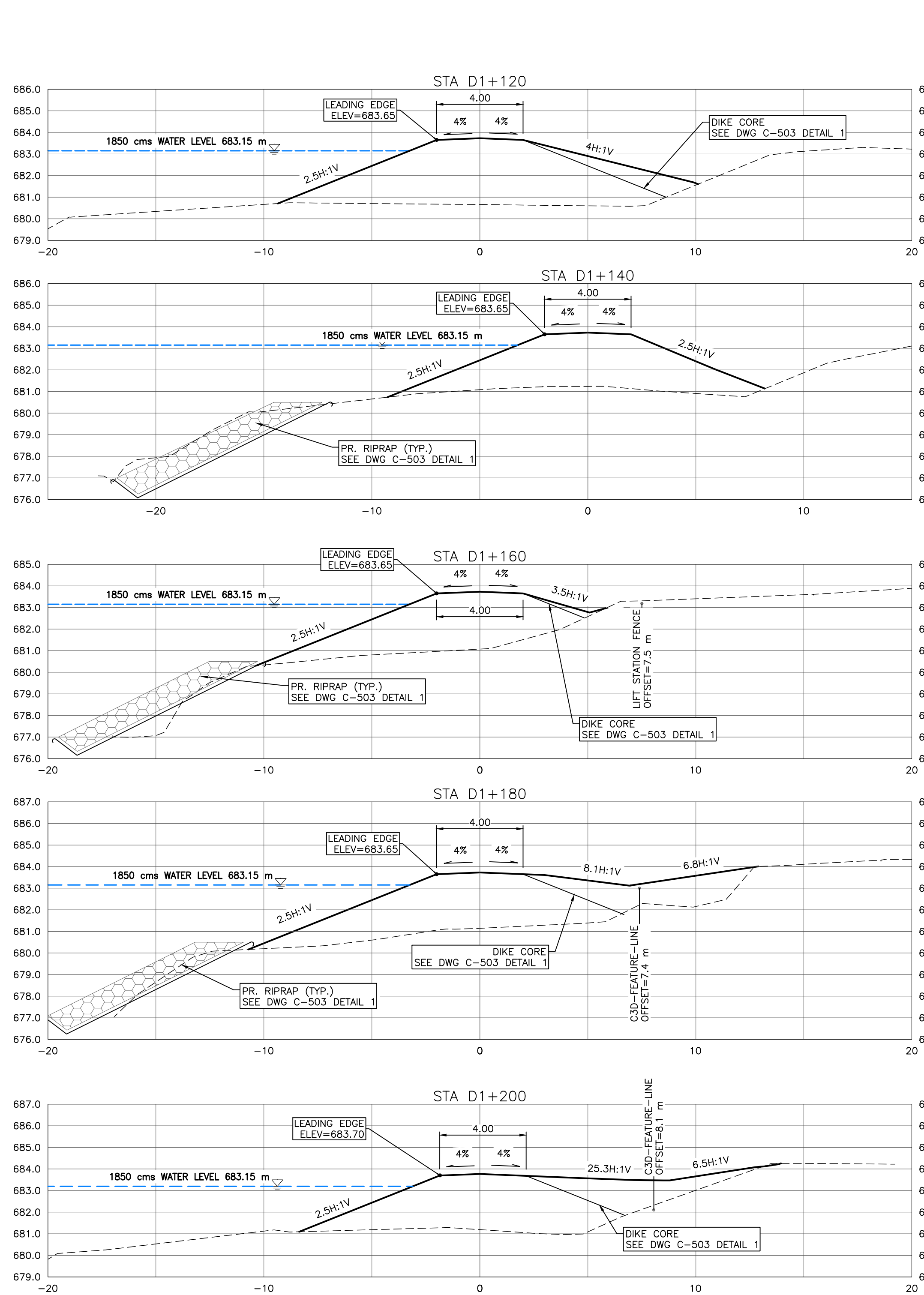
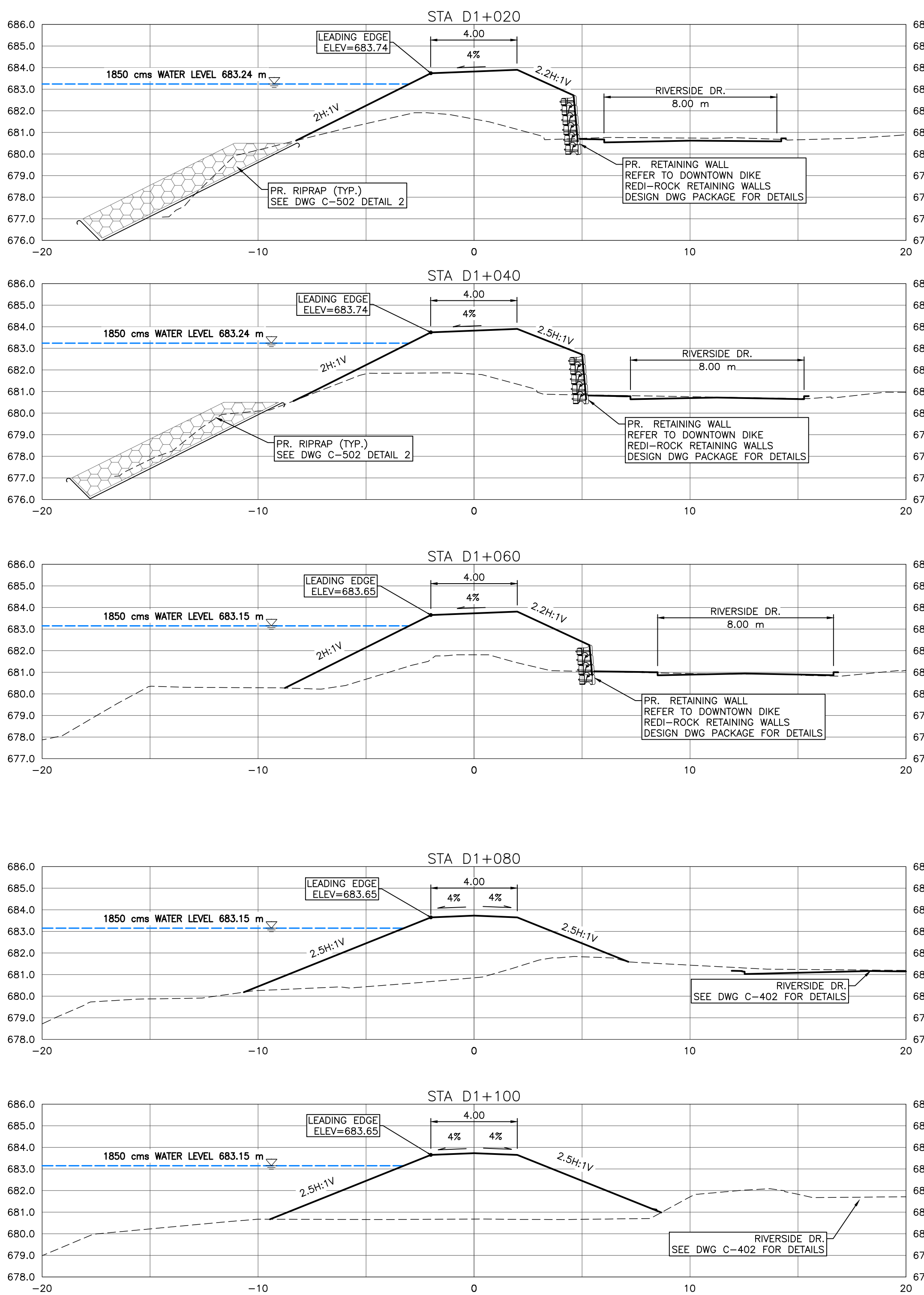
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
CROSS SECTIONS 5

Project No. **21.2311.002** Drawing No. **C-305** Rev. **1**
 Group **CIVIL**

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETTECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETTECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002.dwg, C-306, 2023/06/28 05:12 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100 millimetres
 0 50 100



NOTES:

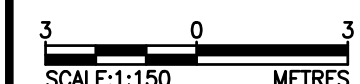
- PROPOSED DOWNTOWN DIKE RETAINING WALL HAND RAILS NOT SHOWN FOR CLARITY. (RETAINING WALL REFER TO DOWNTOWN DIKE REDI-ROCK RETAINING WALL DWG PACKAGE FOR DETAILS).
- ASPHALT PATHWAY NOT SHOWN FOR CLARITY. ASPHALT PATHWAY 1 TO BE FIELD FIT AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION (SEE DETAIL DWG C-504 2A/2B FOR ASPHALT PATHWAY STRUCTURE).
- DESIGN GRADES SHOWN ARE TO TOP OF IMPERVIOUS FILL MATERIAL UNLESS OTHERWISE STATED.

REFERENCE:

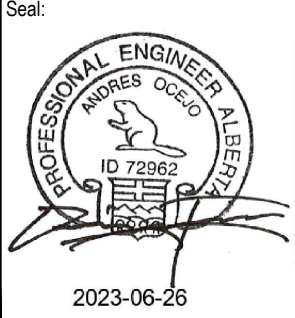
- RIVER WATER LEVELS PROVIDED BY NHC (NORTHWEST HYDRAULIC CONSULTANTS) AT THE RS (RIVER STATIONING) SHOWN ON KEY PLAN

CROSS SECTIONS

1:150



SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



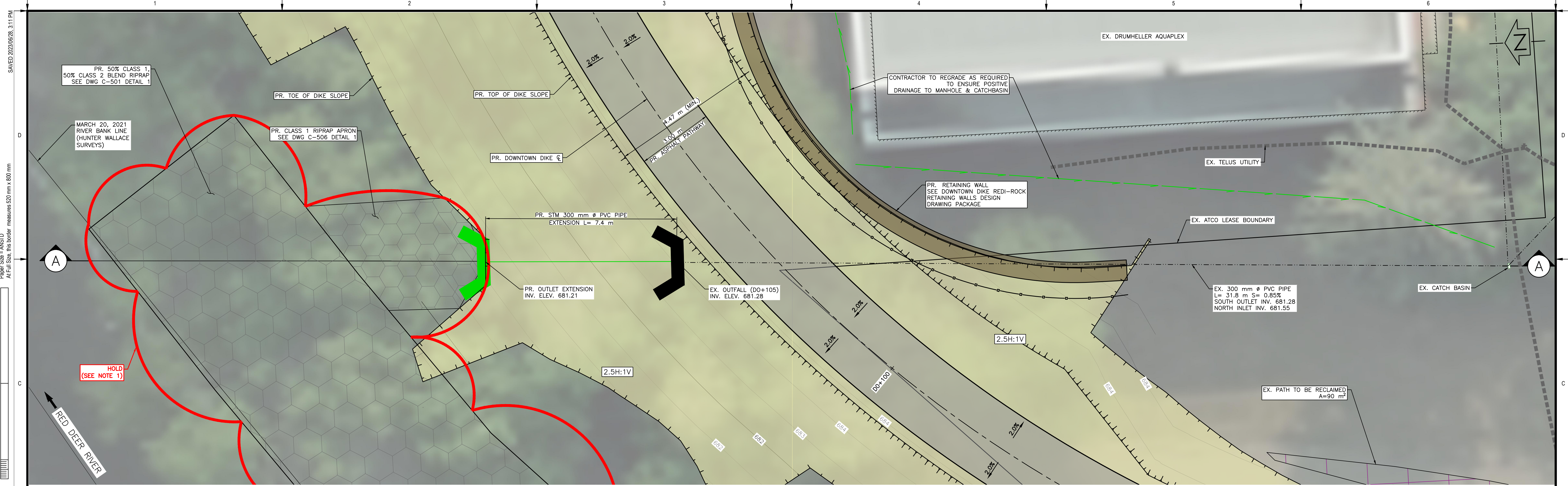
PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 RW AFECA ID #: 69046
 DATE: JUNE 26, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

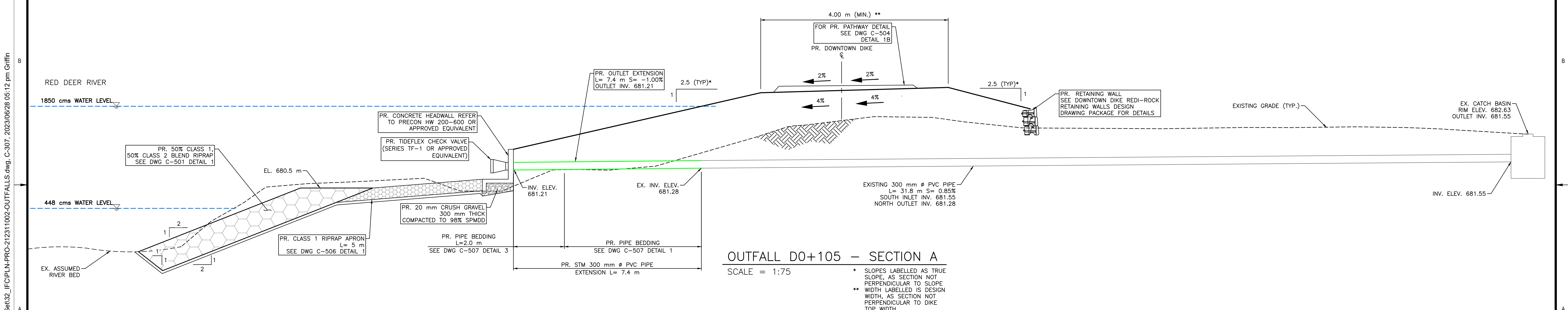
TOWN OF DRUMHELLER	
DOWNTOWN DIKE	
CROSS SECTIONS 6	
Project No. 21.2311.002	Drawing No. C-306
Group CIVIL	Rev. 1

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



OUTFALL D0+105 – PLAN
SCALE = 1:75

- NOTES:**
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. FOR PATHWAY AND DIKE CREST SLOPE DETAILS SEE DWG C-504 DETAIL 1B.



OUTFALL D0+105 – SECTION A
SCALE = 1:75

- * SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE
- ** WIDTH LABELLED IS DESIGN WIDTH, AS SECTION NOT PERPENDICULAR TO DIKE TOP WIDTH

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RM SIGNATURE: [Signature]
RM AFECA ID #: 69046
DATE: June 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

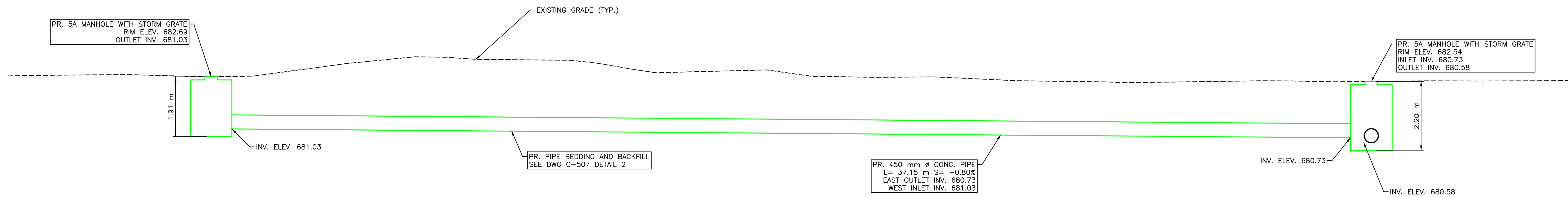
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
STORM OUTFALL D0+105

Project No. **21.2311.002** Drawing No. **C-307** Rev. **1**
Group **CIVIL**



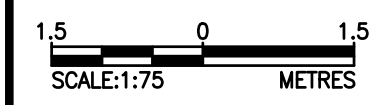
CROSSDRAIN D0+145 – PLAN
SCALE = 1:75



CROSSDRAIN D0+145 – SECTION B
SCALE = 1:75

* SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE

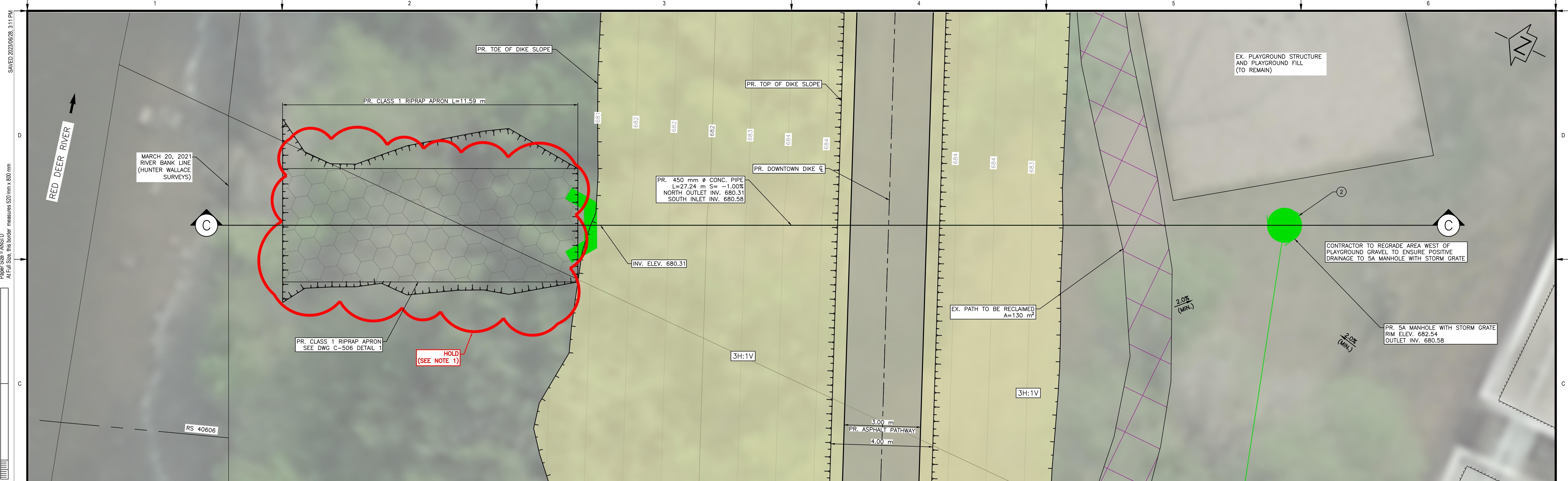
M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002-OUTFALLS.dwg, C-308, 2023/06/28 05:13 pm Griffin



SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

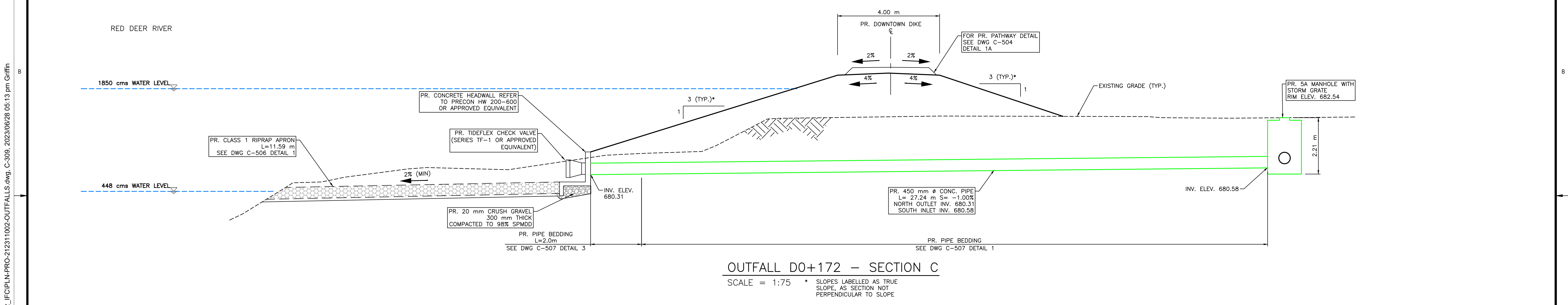
THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

			PERMIT TO PRACTICE 1963401 ALBERTA LTD. RM SIGNATURE: [Signature] RM AFEQA ID #: 69046 DATE: June 26, 2023 PERMIT NUMBER: P013638 The Association of Professional Engineers and Geoscientists of Alberta (APEGA) 2023-06-26	Rev Date Des Dwn Chk Description	Rev Date Des Dwn Chk Description	TOWN OF DRUMHELLER DOWNTOWN DIKE STORM CROSSDRAIN D0+145	Project No. 21.2311.002 Group CIVIL	Drawing No. C-308	Rev. 1
				0 23/03/20 AO GM CC/ES ISSUED FOR TENDER	1 23/06/26 AO GM ES ISSUED FOR CONSTRUCTION				



OUTFALL D0+172 - PLAN
SCALE = 1:75

- NOTES:
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. FOR PATHWAY AND DIKE CREST SLOPE DETAILS SEE DWG C-504 DETAIL 1A.



OUTFALL D0+172 - SECTION C
SCALE = 1:75 * SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE

1:50
0 50 100
millimeters

1.00
0 0.50 1.00
metres

Scale: 1:75 METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

PROFESSIONAL ENGINEER
ALBERTA

PERMIT TO PRACTICE
1963401 ALBERTA LTD.

RM SIGNATURE: [Signature]
RM AFDGA ID #: 69046
DATE: JUNE 25, 2023

PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

2023-06-26

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

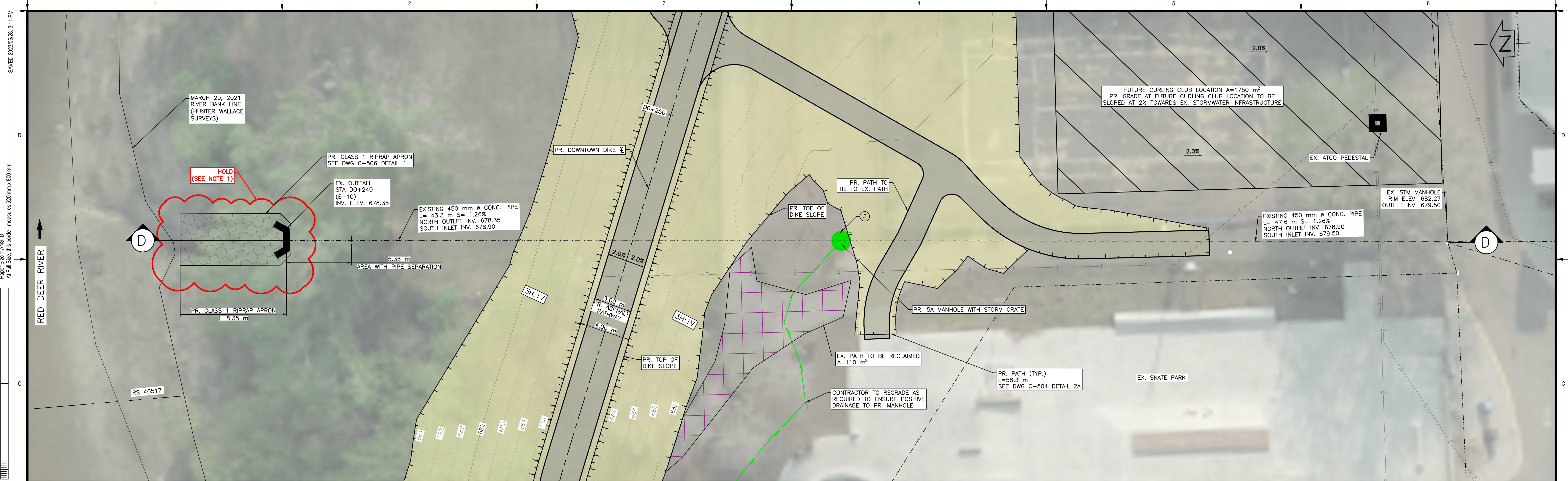
TOWN OF DRUMHELLER
DOWNTOWN DIKE
STORM OUTFALL D0+172

Project No. 21.2311.002
Group CIVIL

Drawing No. C-309
Rev. 1

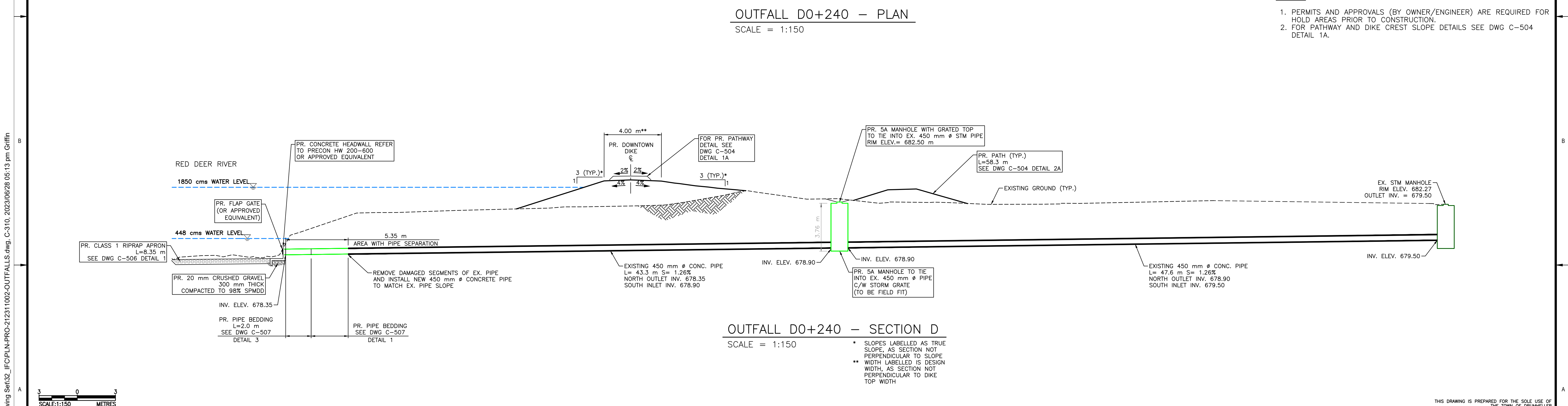
M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002-OUTFALLS.dwg, C-309, 2023/06/28 05:13 pm Griffin

SAVED: 2023/06/28 3:11 PM
Paper Size = ANSI D
At Full Size, this border measures 520 mm x 800 mm



OUTFALL D0+240 - PLAN
SCALE = 1:150

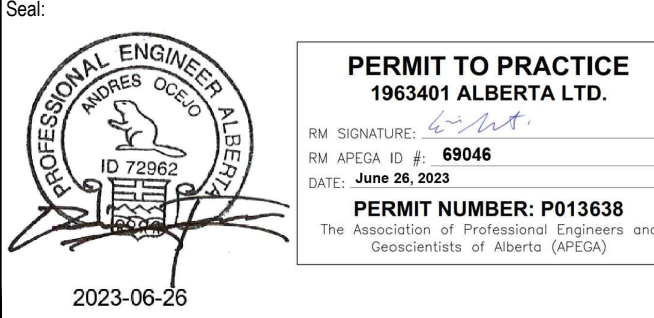
- NOTES:**
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. FOR PATHWAY AND DIKE CREST SLOPE DETAILS SEE DWG C-504 DETAIL 1A.



OUTFALL D0+240 - SECTION D
SCALE = 1:150

- * SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE
- ** WIDTH LABELLED IS DESIGN WIDTH, AS SECTION NOT PERPENDICULAR TO DIKE TOP WIDTH

SCALE: 1:150 METRES
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

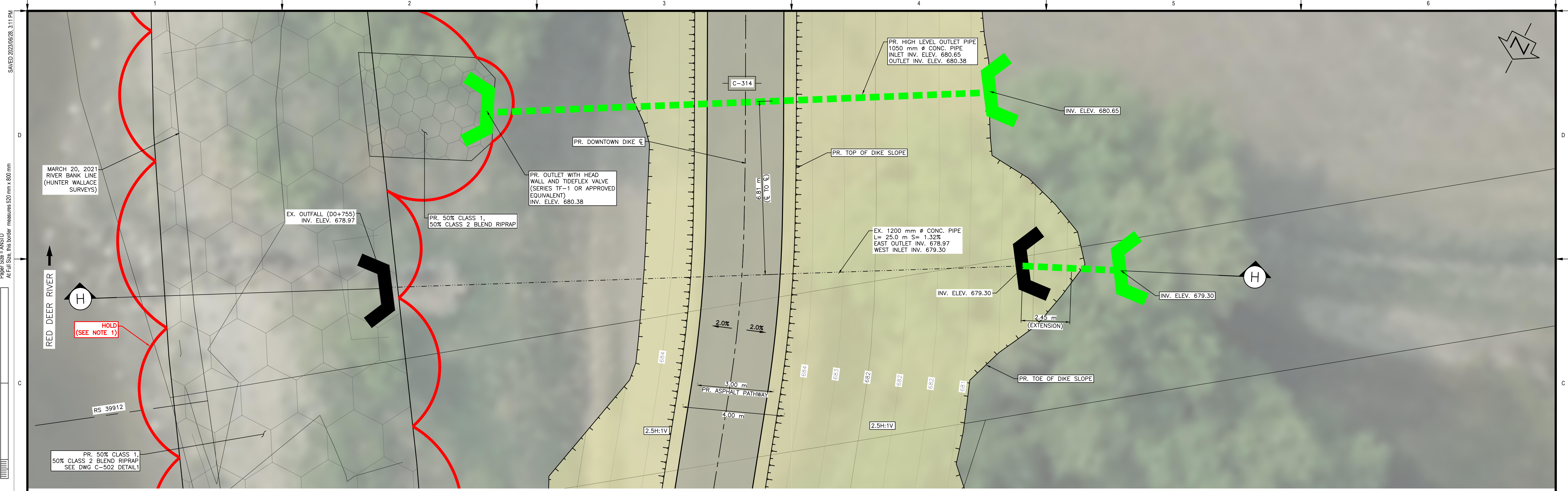
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
STORM OUTFALL D0+240

Project No. **21.2311.002** Drawing No. **C-310** Rev. **1**
Group **CIVIL**

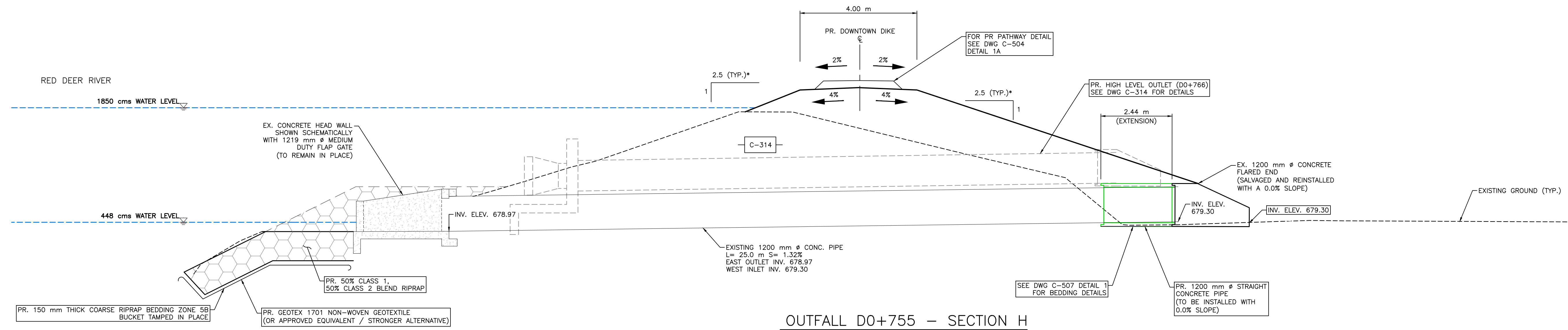
M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002-OUTFALLS.dwg, C-310, 2023/06/28 05:13 pm Griffin

SAVED: 2023/06/28 3:11 PM
Paper Size = ANSI D
At Full Size, this border measures 520 mm x 800 mm



OUTFALL D0+755 – PLAN
SCALE = 1:75

- NOTES:**
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. FOR PATHWAY AND DIKE CREST SLOPE DETAILS SEE DWG C-504 DETAIL 1A.

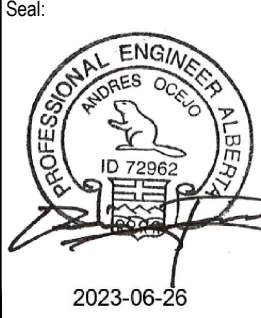
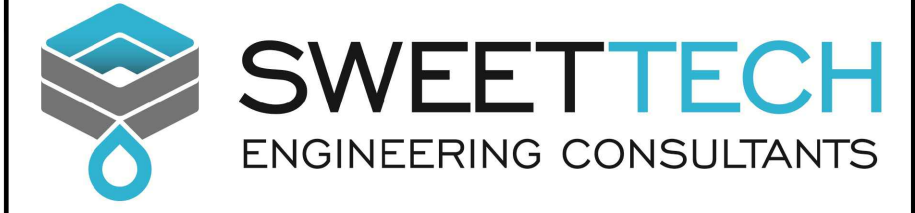


OUTFALL D0+755 – SECTION H
SCALE = 1:75

* SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE

SCALE: 1:75
METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RW SIGNATURE: [Signature]
RW AREGA ID #: 69046
DATE: June 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
STORM OUTFALL D0+755

Project No. **21.2311.002** Drawing No. **C-313** Rev. **1**
Group **CIVIL**

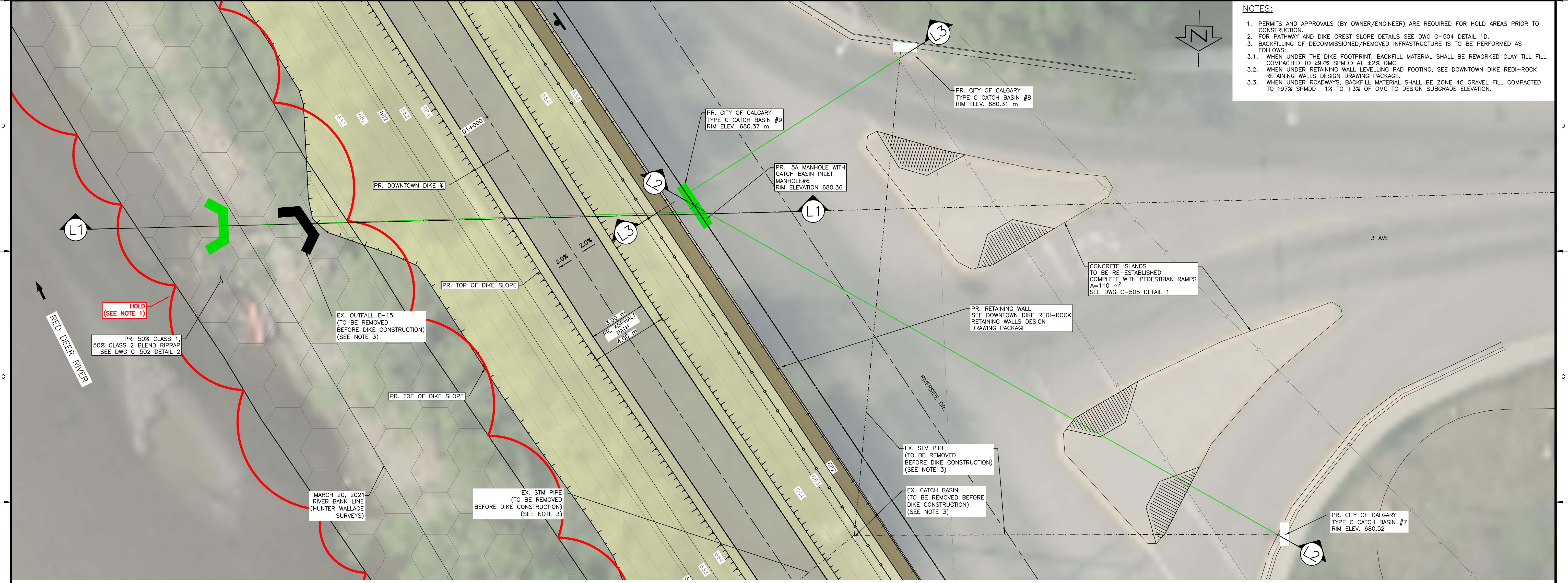
M:\Projects\21.2311.002\CADD\Drawing Set\32_ICVPLN-PRO-212311002-OUTFALLS.dwg, C-313, 2023/06/28 05:14 pm Griffin

Paper Size = ANSI D
At Full Size, this border measures 520 mm x 800 mm

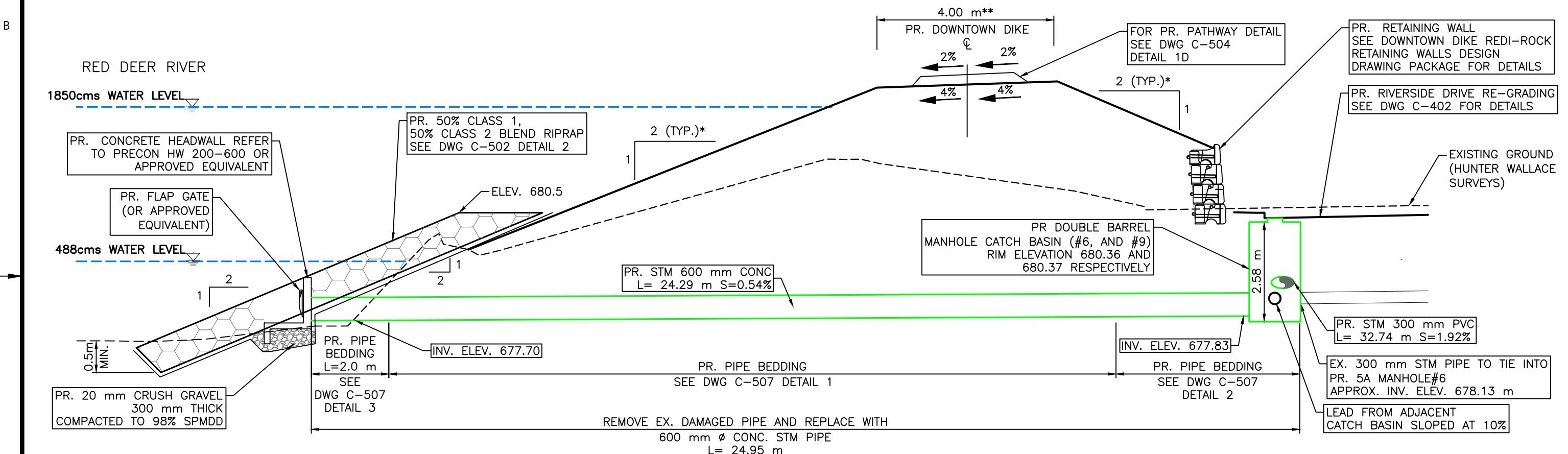


SAVED: 2023/06/28 3:11 PM

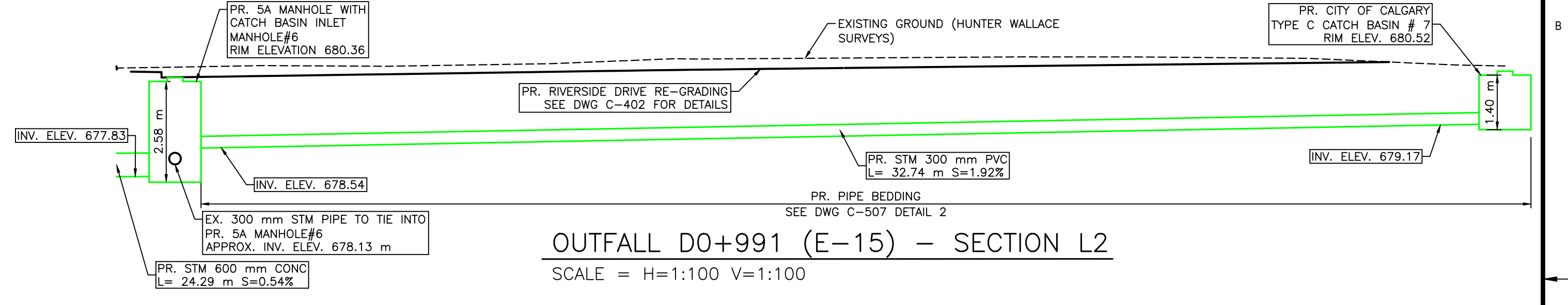
M:\Projects\21.2311.002\CADD\Drawing Set\32_ICV\PLN-PRO-212311002-OUTFALLS.dwg, C-315, 2023/06/28 05:14 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 100
 50
 0
 millimeters
 100
 50
 0
 metres



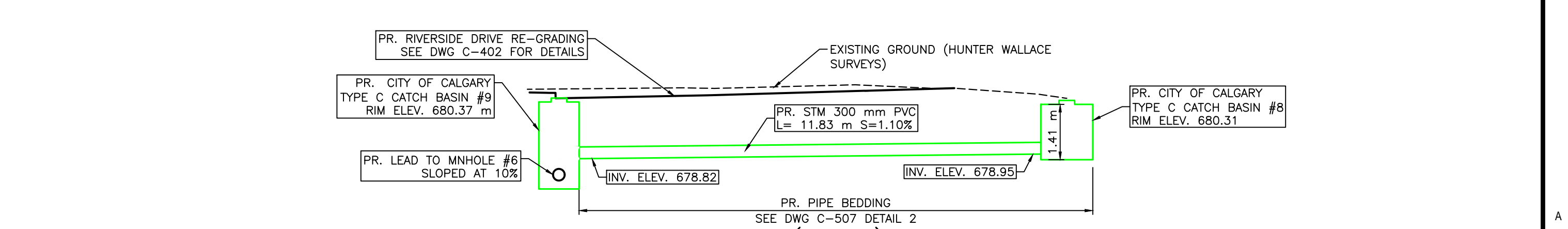
OUTFALL D0+991 (E-15) - PLAN
SCALE = 1:100



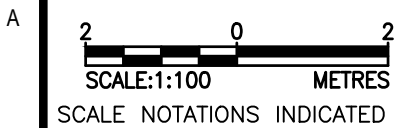
OUTFALL D0+991 (E-15) - SECTION L1
SCALE = H=1:100 V=1:100



OUTFALL D0+991 (E-15) - SECTION L2
SCALE = H=1:100 V=1:100



OUTFALL D0+991 (E-15) - SECTION L3
SCALE = H=1:100 V=1:100

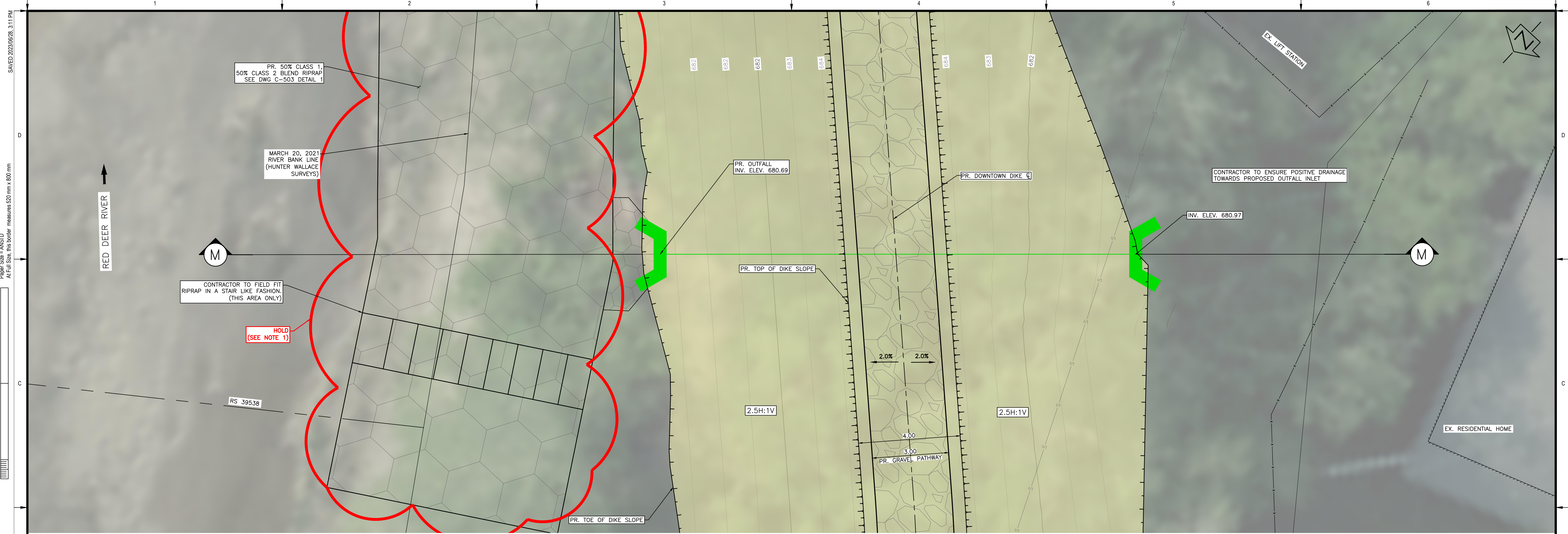


SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

* SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE
 ** WIDTH LABELLED IS DESIGN WIDTH, AS SECTION NOT PERPENDICULAR TO DIKE TOP WIDTH

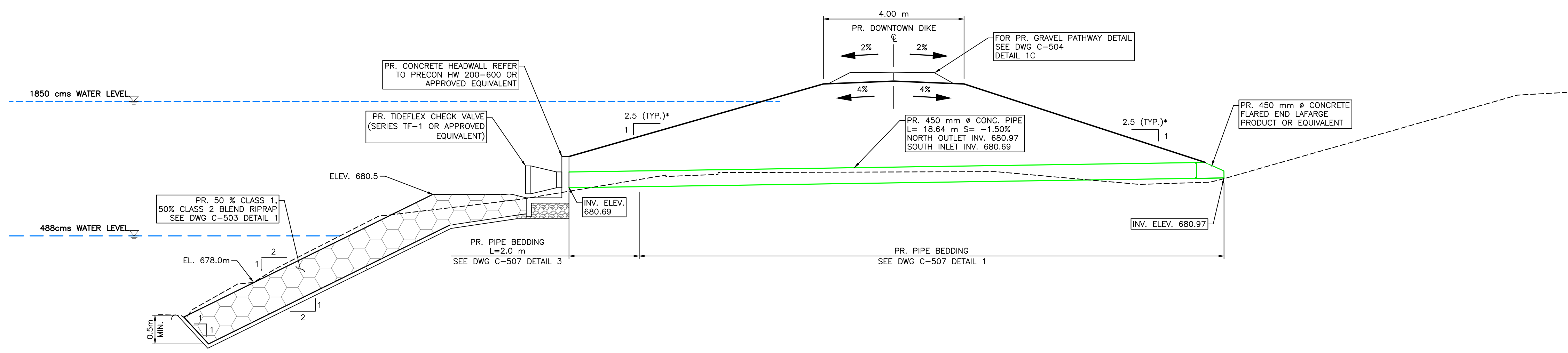
THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

			PERMIT TO PRACTICE 1963401 ALBERTA LTD. RIM SIGNATURE: [Signature] RIM AFDGA ID #: 89046 DATE: JUNE 25, 2023 PERMIT NUMBER: P013638 <small>The Association of Professional Engineers and Geoscientists of Alberta (APEGA)</small>	Rev 0 23/03/20 AO GM CC/ES ISSUED FOR TENDER	Rev 1 23/06/26 AO GM ES ISSUED FOR CONSTRUCTION	Rev 2 Rev 3 Rev 4 Rev 5	Rev 6 Rev 7 Rev 8 Rev 9	Rev 10 Rev 11 Rev 12 Rev 13	Rev 14 Rev 15 Rev 16 Rev 17	Rev 18 Rev 19 Rev 20 Rev 21	Rev 22 Rev 23 Rev 24 Rev 25	Rev 26 Rev 27 Rev 28 Rev 29	Rev 30 Rev 31 Rev 32 Rev 33	Rev 34 Rev 35 Rev 36 Rev 37	Rev 38 Rev 39 Rev 40 Rev 41	Rev 42 Rev 43 Rev 44 Rev 45	Rev 46 Rev 47 Rev 48 Rev 49	Rev 50 Rev 51 Rev 52 Rev 53	Rev 54 Rev 55 Rev 56 Rev 57	Rev 58 Rev 59 Rev 60 Rev 61	Rev 62 Rev 63 Rev 64 Rev 65	Rev 66 Rev 67 Rev 68 Rev 69	Rev 70 Rev 71 Rev 72 Rev 73	Rev 74 Rev 75 Rev 76 Rev 77	Rev 78 Rev 79 Rev 80 Rev 81	Rev 82 Rev 83 Rev 84 Rev 85	Rev 86 Rev 87 Rev 88 Rev 89	Rev 90 Rev 91 Rev 92 Rev 93	Rev 94 Rev 95 Rev 96 Rev 97	Rev 98 Rev 99 Rev 100 Rev 101	Rev 102 Rev 103 Rev 104 Rev 105	Rev 106 Rev 107 Rev 108 Rev 109	Rev 110 Rev 111 Rev 112 Rev 113	Rev 114 Rev 115 Rev 116 Rev 117	Rev 118 Rev 119 Rev 120 Rev 121	Rev 122 Rev 123 Rev 124 Rev 125	Rev 126 Rev 127 Rev 128 Rev 129	Rev 130 Rev 131 Rev 132 Rev 133	Rev 134 Rev 135 Rev 136 Rev 137	Rev 138 Rev 139 Rev 140 Rev 141	Rev 142 Rev 143 Rev 144 Rev 145	Rev 146 Rev 147 Rev 148 Rev 149	Rev 150 Rev 151 Rev 152 Rev 153	Rev 154 Rev 155 Rev 156 Rev 157	Rev 158 Rev 159 Rev 160 Rev 161	Rev 162 Rev 163 Rev 164 Rev 165	Rev 166 Rev 167 Rev 168 Rev 169	Rev 170 Rev 171 Rev 172 Rev 173	Rev 174 Rev 175 Rev 176 Rev 177	Rev 178 Rev 179 Rev 180 Rev 181	Rev 182 Rev 183 Rev 184 Rev 185	Rev 186 Rev 187 Rev 188 Rev 189	Rev 190 Rev 191 Rev 192 Rev 193	Rev 194 Rev 195 Rev 196 Rev 197	Rev 198 Rev 199 Rev 200 Rev 201	Rev 202 Rev 203 Rev 204 Rev 205	Rev 206 Rev 207 Rev 208 Rev 209	Rev 210 Rev 211 Rev 212 Rev 213	Rev 214 Rev 215 Rev 216 Rev 217	Rev 218 Rev 219 Rev 220 Rev 221	Rev 222 Rev 223 Rev 224 Rev 225	Rev 226 Rev 227 Rev 228 Rev 229	Rev 230 Rev 231 Rev 232 Rev 233	Rev 234 Rev 235 Rev 236 Rev 237	Rev 238 Rev 239 Rev 240 Rev 241	Rev 242 Rev 243 Rev 244 Rev 245	Rev 246 Rev 247 Rev 248 Rev 249	Rev 250 Rev 251 Rev 252 Rev 253	Rev 254 Rev 255 Rev 256 Rev 257	Rev 258 Rev 259 Rev 260 Rev 261	Rev 262 Rev 263 Rev 264 Rev 265	Rev 266 Rev 267 Rev 268 Rev 269	Rev 270 Rev 271 Rev 272 Rev 273	Rev 274 Rev 275 Rev 276 Rev 277	Rev 278 Rev 279 Rev 280 Rev 281	Rev 282 Rev 283 Rev 284 Rev 285	Rev 286 Rev 287 Rev 288 Rev 289	Rev 290 Rev 291 Rev 292 Rev 293	Rev 294 Rev 295 Rev 296 Rev 297	Rev 298 Rev 299 Rev 300 Rev 301	Rev 302 Rev 303 Rev 304 Rev 305	Rev 306 Rev 307 Rev 308 Rev 309	Rev 310 Rev 311 Rev 312 Rev 313	Rev 314 Rev 315 Rev 316 Rev 317	Rev 318 Rev 319 Rev 320 Rev 321	Rev 322 Rev 323 Rev 324 Rev 325	Rev 326 Rev 327 Rev 328 Rev 329	Rev 330 Rev 331 Rev 332 Rev 333	Rev 334 Rev 335 Rev 336 Rev 337	Rev 338 Rev 339 Rev 340 Rev 341	Rev 342 Rev 343 Rev 344 Rev 345	Rev 346 Rev 347 Rev 348 Rev 349	Rev 350 Rev 351 Rev 352 Rev 353	Rev 354 Rev 355 Rev 356 Rev 357	Rev 358 Rev 359 Rev 360 Rev 361	Rev 362 Rev 363 Rev 364 Rev 365	Rev 366 Rev 367 Rev 368 Rev 369	Rev 370 Rev 371 Rev 372 Rev 373	Rev 374 Rev 375 Rev 376 Rev 377	Rev 378 Rev 379 Rev 380 Rev 381	Rev 382 Rev 383 Rev 384 Rev 385	Rev 386 Rev 387 Rev 388 Rev 389	Rev 390 Rev 391 Rev 392 Rev 393	Rev 394 Rev 395 Rev 396 Rev 397	Rev 398 Rev 399 Rev 400 Rev 401	Rev 402 Rev 403 Rev 404 Rev 405	Rev 406 Rev 407 Rev 408 Rev 409	Rev 410 Rev 411 Rev 412 Rev 413	Rev 414 Rev 415 Rev 416 Rev 417	Rev 418 Rev 419 Rev 420 Rev 421	Rev 422 Rev 423 Rev 424 Rev 425	Rev 426 Rev 427 Rev 428 Rev 429	Rev 430 Rev 431 Rev 432 Rev 433	Rev 434 Rev 435 Rev 436 Rev 437	Rev 438 Rev 439 Rev 440 Rev 441	Rev 442 Rev 443 Rev 444 Rev 445	Rev 446 Rev 447 Rev 448 Rev 449	Rev 450 Rev 451 Rev 452 Rev 453	Rev 454 Rev 455 Rev 456 Rev 457	Rev 458 Rev 459 Rev 460 Rev 461	Rev 462 Rev 463 Rev 464 Rev 465	Rev 466 Rev 467 Rev 468 Rev 469	Rev 470 Rev 471 Rev 472 Rev 473	Rev 474 Rev 475 Rev 476 Rev 477	Rev 478 Rev 479 Rev 480 Rev 481	Rev 482 Rev 483 Rev 484 Rev 485	Rev 486 Rev 487 Rev 488 Rev 489	Rev 490 Rev 491 Rev 492 Rev 493	Rev 494 Rev 495 Rev 496 Rev 497	Rev 498 Rev 499 Rev 500 Rev 501	Rev 502 Rev 503 Rev 504 Rev 505	Rev 506 Rev 507 Rev 508 Rev 509	Rev 510 Rev 511 Rev 512 Rev 513	Rev 514 Rev 515 Rev 516 Rev 517	Rev 518 Rev 519 Rev 520 Rev 521	Rev 522 Rev 523 Rev 524 Rev 525	Rev 526 Rev 527 Rev 528 Rev 529	Rev 530 Rev 531 Rev 532 Rev 533	Rev 534 Rev 535 Rev 536 Rev 537	Rev 538 Rev 539 Rev 540 Rev 541	Rev 542 Rev 543 Rev 544 Rev 545	Rev 546 Rev 547 Rev 548 Rev 549	Rev 550 Rev 551 Rev 552 Rev 553	Rev 554 Rev 555 Rev 556 Rev 557	Rev 558 Rev 559 Rev 560 Rev 561	Rev 562 Rev 563 Rev 564 Rev 565	Rev 566 Rev 567 Rev 568 Rev 569	Rev 570 Rev 571 Rev 572 Rev 573	Rev 574 Rev 575 Rev 576 Rev 577	Rev 578 Rev 579 Rev 580 Rev 581	Rev 582 Rev 583 Rev 584 Rev 585	Rev 586 Rev 587 Rev 588 Rev 589	Rev 590 Rev 591 Rev 592 Rev 593	Rev 594 Rev 595 Rev 596 Rev 597	Rev 598 Rev 599 Rev 600 Rev 601	Rev 602 Rev 603 Rev 604 Rev 605	Rev 606 Rev 607 Rev 608 Rev 609	Rev 610 Rev 611 Rev 612 Rev 613	Rev 614 Rev 615 Rev 616 Rev 617	Rev 618 Rev 619 Rev 620 Rev 621	Rev 622 Rev 623 Rev 624 Rev 625	Rev 626 Rev 627 Rev 628 Rev 629	Rev 630 Rev 631 Rev 632 Rev 633	Rev 634 Rev 635 Rev 636 Rev 637	Rev 638 Rev 639 Rev 640 Rev 641	Rev 642 Rev 643 Rev 644 Rev 645	Rev 646 Rev 647 Rev 648 Rev 649	Rev 650 Rev 651 Rev 652 Rev 653	Rev 654 Rev 655 Rev 656 Rev 657	Rev 658 Rev 659 Rev 660 Rev 661	Rev 662 Rev 663 Rev 664 Rev 665	Rev 666 Rev 667 Rev 668 Rev 669	Rev 670 Rev 671 Rev 672 Rev 673	Rev 674 Rev 675 Rev 676 Rev 677	Rev 678 Rev 679 Rev 680 Rev 681	Rev 682 Rev 683 Rev 684 Rev 685	Rev 686 Rev 687 Rev 688 Rev 689	Rev 690 Rev 691 Rev 692 Rev 693	Rev 694 Rev 695 Rev 696 Rev 697	Rev 698 Rev 699 Rev 700 Rev 701	Rev 702 Rev 703 Rev 704 Rev 705	Rev 706 Rev 707 Rev 708 Rev 709	Rev 710 Rev 711 Rev 712 Rev 713	Rev 714 Rev 715 Rev 716 Rev 717	Rev 718 Rev 719 Rev 720 Rev 721	Rev 722 Rev 723 Rev 724 Rev 725	Rev 726 Rev 727 Rev 728 Rev 729	Rev 730 Rev 731 Rev 732 Rev 733	Rev 734 Rev 735 Rev 736 Rev 737	Rev 738 Rev 739 Rev 740 Rev 741	Rev 742 Rev 743 Rev 744 Rev 745	Rev 746 Rev 747 Rev 748 Rev 749	Rev 750 Rev 751 Rev 752 Rev 753	Rev 754 Rev 755 Rev 756 Rev 757	Rev 758 Rev 759 Rev 760 Rev 761	Rev 762 Rev 763 Rev 764 Rev 765	Rev 766 Rev 767 Rev 768 Rev 769	Rev 770 Rev 771 Rev 772 Rev 773	Rev 774 Rev 775 Rev 776 Rev 777	Rev 778 Rev 779 Rev 780 Rev 781	Rev 782 Rev 783 Rev 784 Rev 785	Rev 786 Rev 787 Rev 788 Rev 789	Rev 790 Rev 791 Rev 792 Rev 793	Rev 794 Rev 795 Rev 796 Rev 797	Rev 798 Rev 799 Rev 800 Rev 801	Rev 802 Rev 803 Rev 804 Rev 805	Rev 806 Rev 807 Rev 808 Rev 809	Rev 810 Rev 811 Rev 812 Rev 813	Rev 814 Rev 815 Rev 816 Rev 817	Rev 818 Rev 819 Rev 820 Rev 821	Rev 822 Rev 823 Rev 824 Rev 825	Rev 826 Rev 827 Rev 828 Rev 829	Rev 830 Rev 831 Rev 832 Rev 833	Rev 834 Rev 835 Rev 836 Rev 837	Rev 838 Rev 839 Rev 840 Rev 841	Rev 842 Rev 843 Rev 844 Rev 845	Rev 846 Rev 847 Rev 848 Rev 849	Rev 850 Rev 851 Rev 852 Rev 853	Rev 854 Rev 855 Rev 856 Rev 857	Rev 858 Rev 859 Rev 860 Rev 861	Rev 862 Rev 863 Rev 864 Rev 865	Rev 866 Rev 867 Rev 868 Rev 869	Rev 870 Rev 871 Rev
--	--	--	---	--	---	----------------------------------	----------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--------------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---------------------------



CROSSDRAIN D1+140 – PLAN
SCALE = 1:75

- NOTES:
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. FOR PATHWAY AND DIKE CREST SLOPE DETAILS SEE DWG C-504 DETAIL 1C



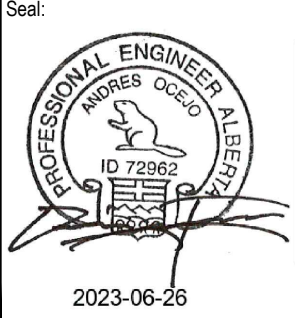
CROSSDRAIN D1+140 – SECTION M
SCALE = H=1:75

* SLOPES LABELLED AS TRUE SLOPE AS SECTION NOT PERPENDICULAR TO SLOPE

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLN-PRO-212311002-OUTFALLS.dwg, C-316, 2023/06/28 05:15 pm Griffin
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 1:00
 millimetres
 50
 10
 0

1.5 0 1.5
SCALE:1:75 METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RM SIGNATURE: [Signature]
RM AFECA ID #: 69046
DATE: June 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

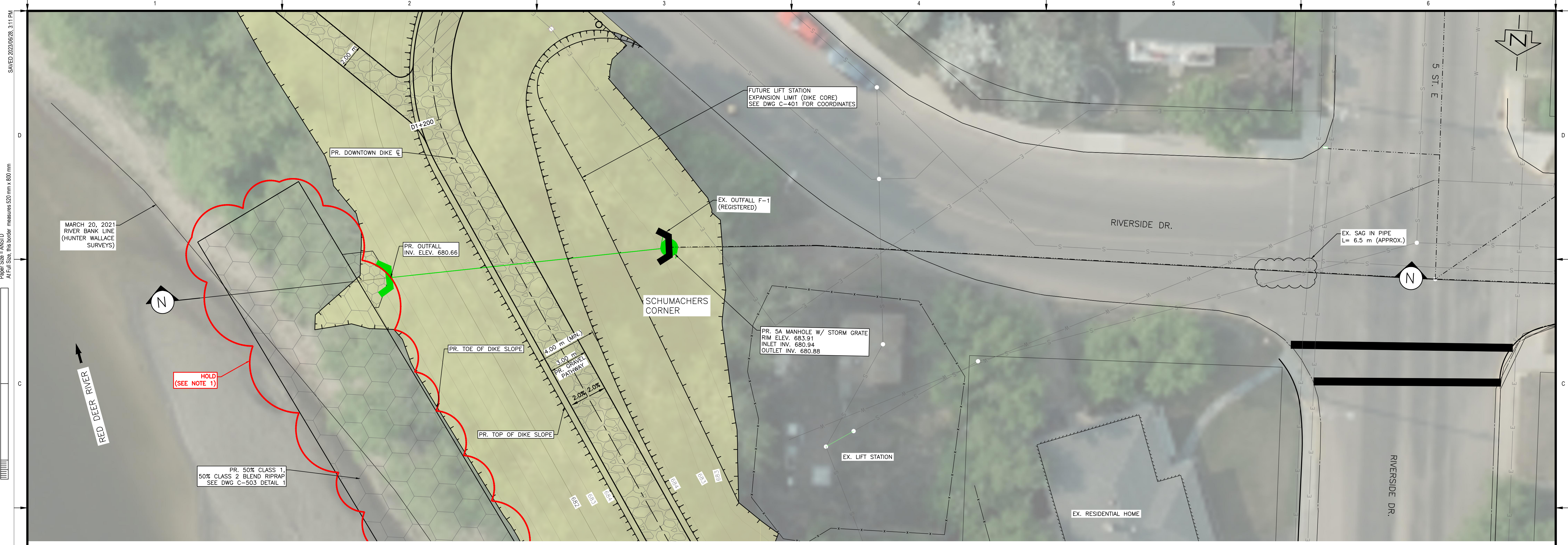
Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
STORM OUTFALL D1+140

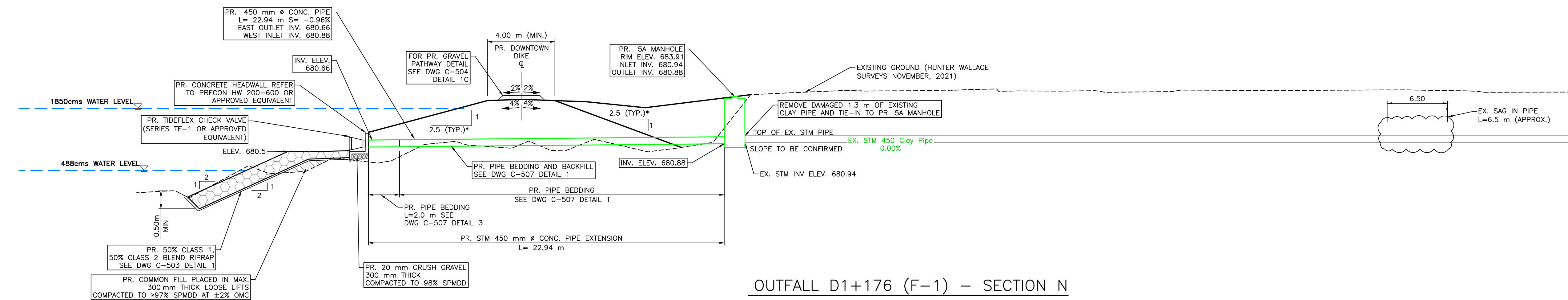
Project No. **21.2311.002** Drawing No. **C-316** Rev. **1**
Group **CIVIL**

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETTECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETTECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



OUTFALL D1+176 (F-1) – PLAN
SCALE = 1:150

- NOTES:
1. PERMITS AND APPROVALS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
 2. FOR PATHWAY AND DIKE CREST SLOPE DETAILS SEE DWG C-504 DETAIL 1C.



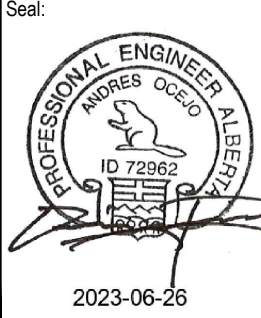
OUTFALL D1+176 (F-1) – SECTION N
SCALE = H=1:150 V=1:50

- * SLOPES LABELLED AS TRUE SLOPE, AS SECTION NOT PERPENDICULAR TO SLOPE
- ** WIDTH LABELLED IS DESIGN WIDTH, AS SECTION NOT PERPENDICULAR TO DIKE TOP WIDTH

M:\Projects\21.2311.002\CADD\Drawing Set\32_IFC\PLAN-PRO-212311002-OUTFALLS.dwg, C-317, 2023/06/28 05:15 pm Griffin

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



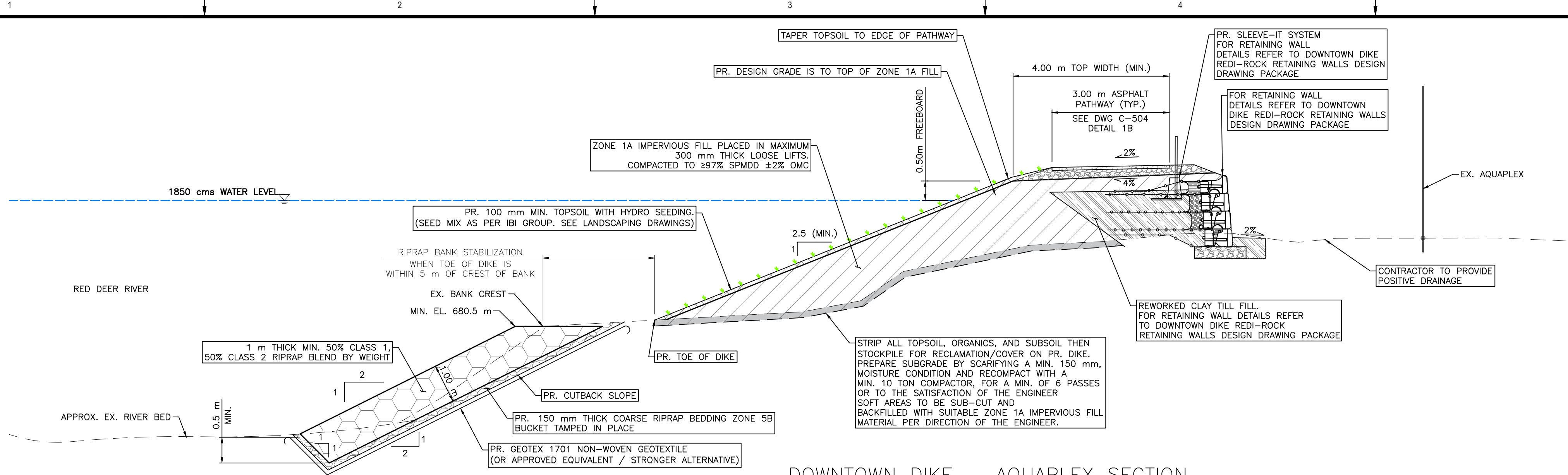
PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RM SIGNATURE: [Signature]
ID 72962
DATE: JUNE 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

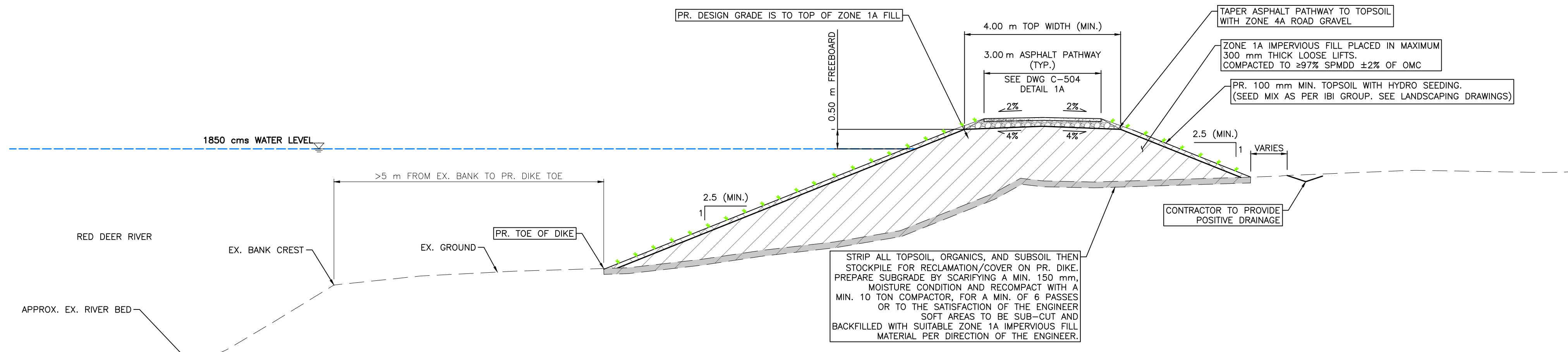
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
STORM OUTFALL D1+176

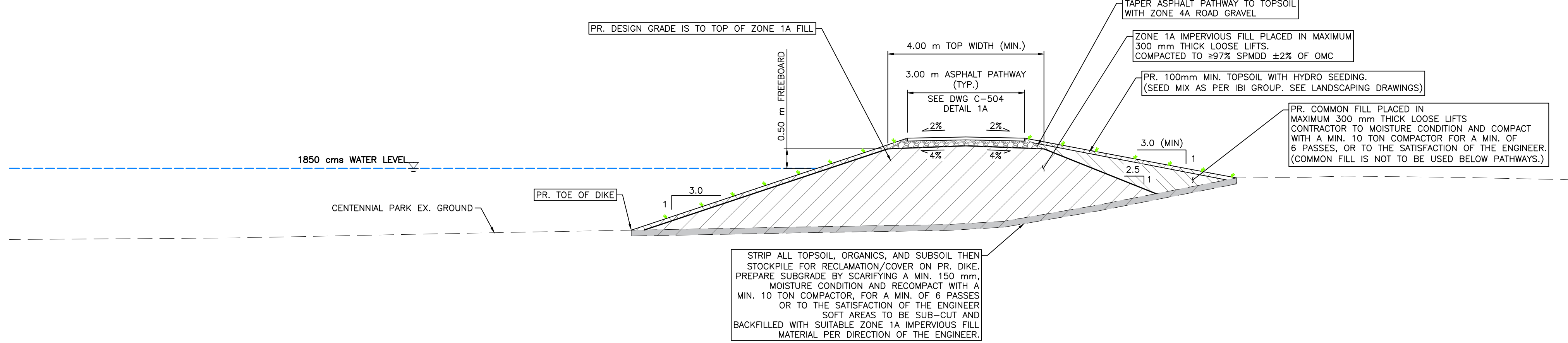
Project No. **21.2311.002** Drawing No. **C-317** Rev. **1**
Group **CIVIL**



1
 1:75
 DOWNTOWN DIKE - AQUAPLEX SECTION
 (STA D0+094 - STA D0+122)



2
 1:75
 DOWNTOWN DIKE - TYPICAL SECTION (STA D0+050 -
 STA D0+094; STA D0+773 - STA D0+838)



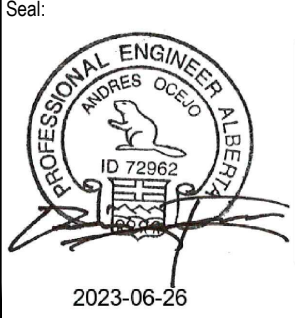
3
 1:75
 DOWNTOWN DIKE - CENTENNIAL PARK SECTION
 (STA D0+122 - STA D0+564)

NOTES:
 1. THE SECTIONS ON THIS PAGE ILLUSTRATE GENERAL REPRESENTATIONS OF THE DIKE GEOMETRY AND FEATURES WITHIN THE PROVIDED STATIONING; DIMENSIONS AND INSTALLATION DETAILS MAY VARY THROUGH OUT THE STATIONING RANGE.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

SCALE: 1:75
 METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

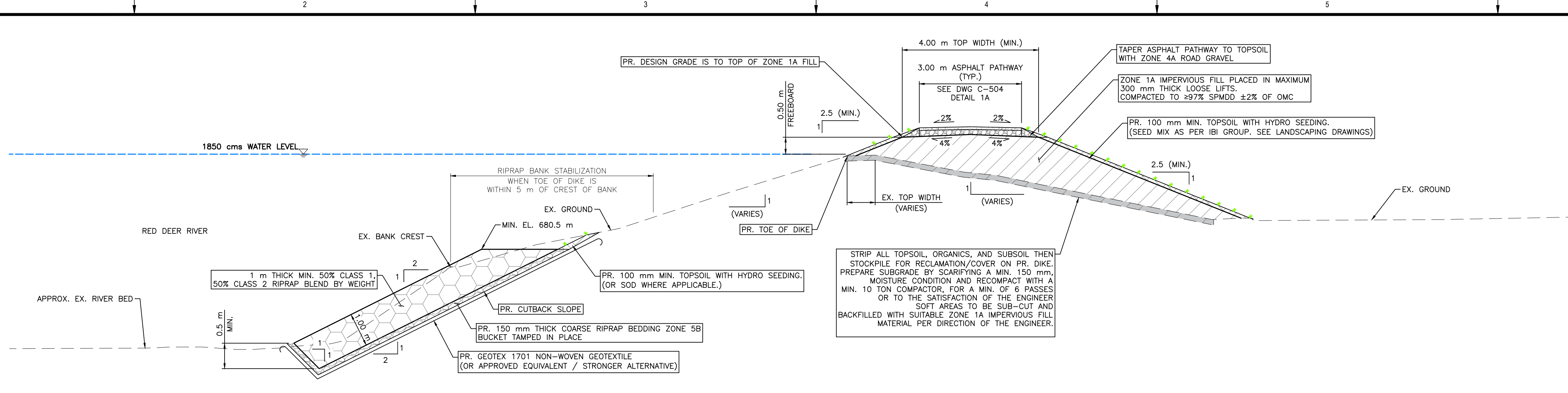


PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 R.M. SIGNATURE: [Signature]
 ID: 72962
 DATE: APR 25, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

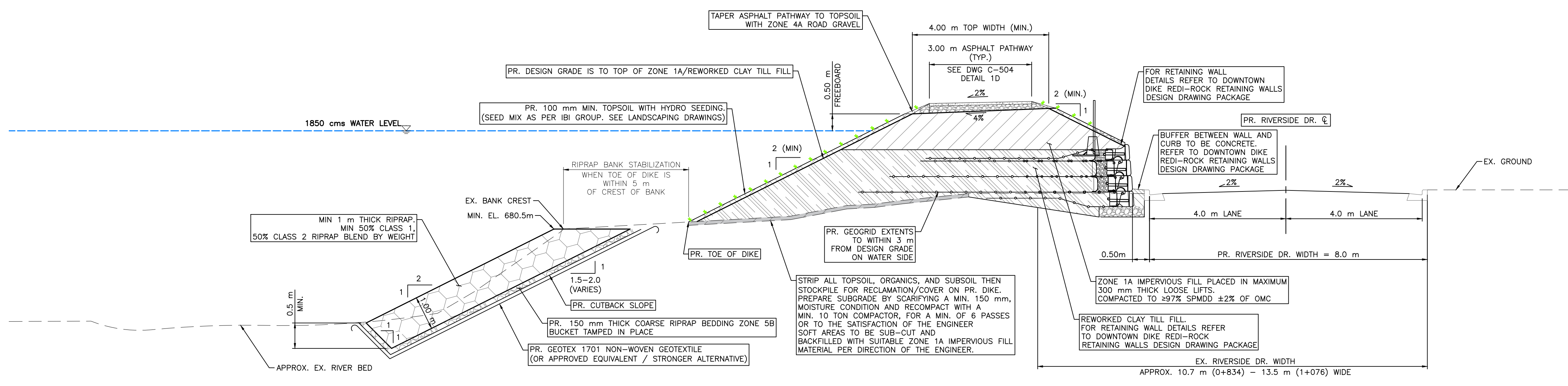
TOWN OF DRUMHELLER DOWNTOWN DIKE			
DETAILS 1			
Project No.	21.2311.002	Drawing No.	C-501
Group	CIVIL	Rev.	1



DOWNTOWN DIKE – CANALTA LOT SECTION (STA D0+564 – STA D0+718; STA D0+743 – STA D0+773)

1
 1:75

SEE NOTE 2



DOWNTOWN DIKE – RIVERSIDE DR. SECTION (STA D0+838 – STA D1+072)

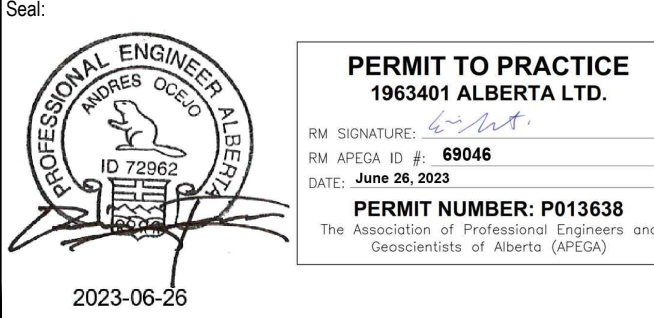
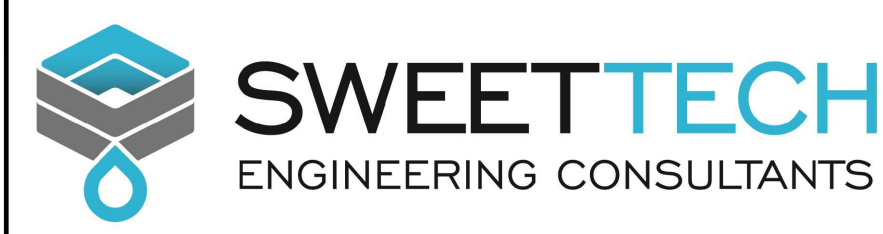
2
 1:75

- NOTES:**
1. THE SECTIONS ON THIS PAGE ILLUSTRATE GENERAL REPRESENTATIONS OF THE DIKE GEOMETRY AND FEATURES WITHIN THE PROVIDED STATIONINGS. DIMENSIONS AND INSTALLATION DETAILS MAY VARY THROUGHOUT THE STATIONING RANGE.
 2. THE NEW, EAST CANTATA LOT PROPERTY LINE CORRESPONDS TO THE LAND SIDE TOE OF DIKE THROUGH THE CANALTA LOT.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

1.5 0 1.5
 SCALE: 1:75 METRES

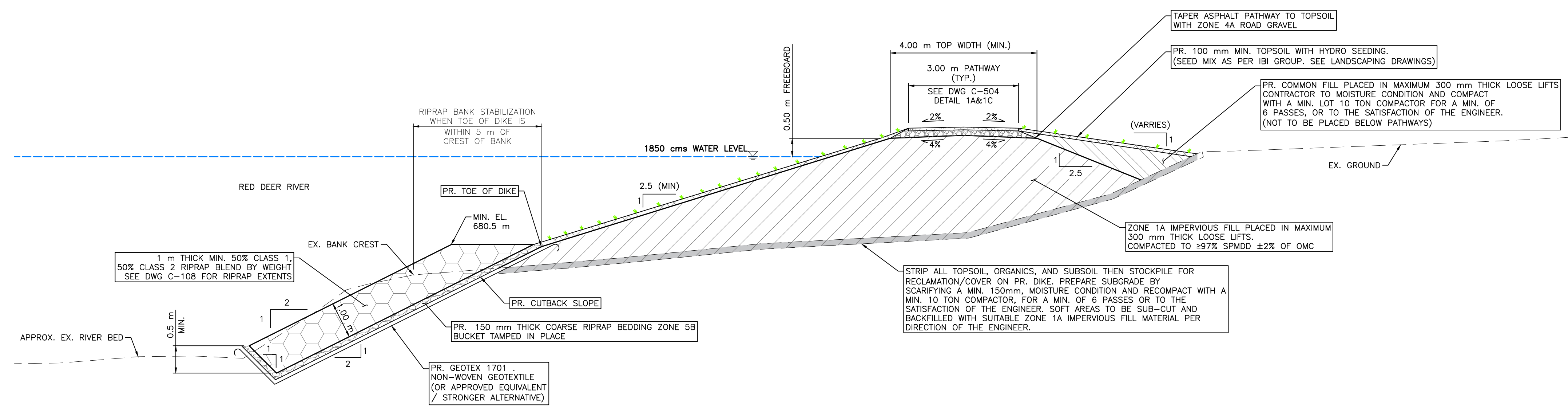
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



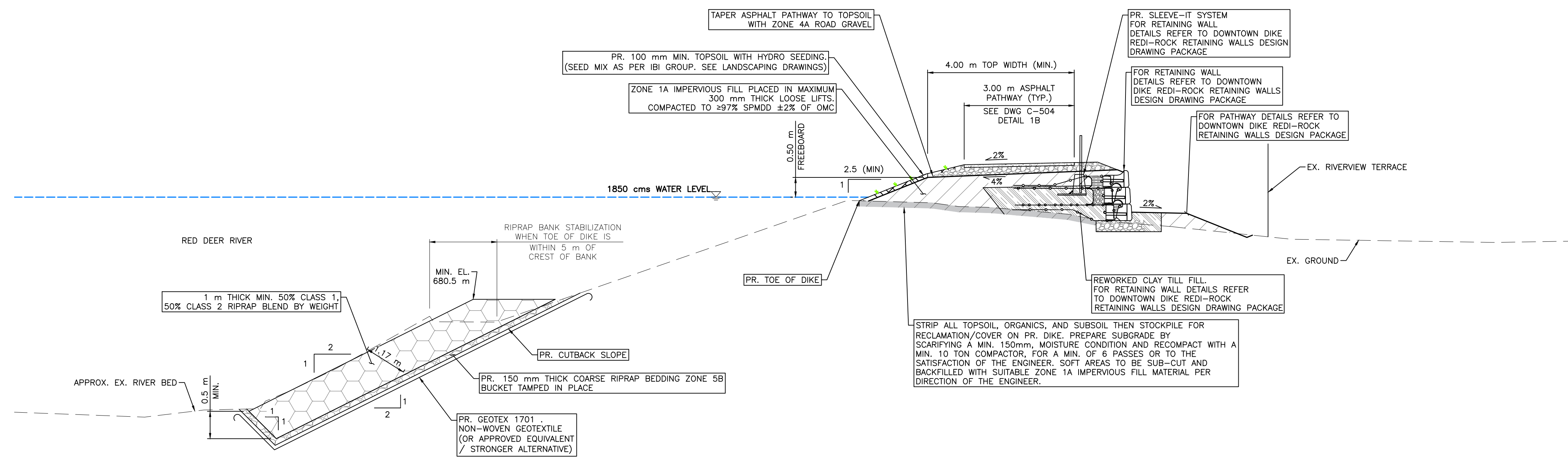
PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 RW AFECA ID #: 69046
 ID 72962
 DATE: June 26, 2023
PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER						
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION						

TOWN OF DRUMHELLER			
DOWNTOWN DIKE			
DETAILS 2			
Project No.	21.2311.002	Drawing No.	C-502
Group	CIVIL	Rev.	1



1
 DOWNTOWN DIKE – SCHUMACHERS CORNER
 SECTION (STA D1+072 – STA D1+217)
 1:75



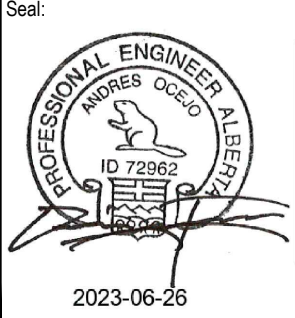
2
 DOWNTOWN DIKE – RIVERVIEW TERRACE SECTION
 (STA D0+718 – STA D0+743)
 1:75

NOTES:
 1. THE SECTIONS ON THIS PAGE ILLUSTRATE GENERAL REPRESENTATIONS OF THE DIKE GEOMETRY AND FEATURES WITHIN THE PROVIDED STATIONING; DIMENSIONS AND INSTALLATION DETAILS MAY VARY THROUGHOUT THE STATIONING RANGE.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

SCALE: 1:75 METRES

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



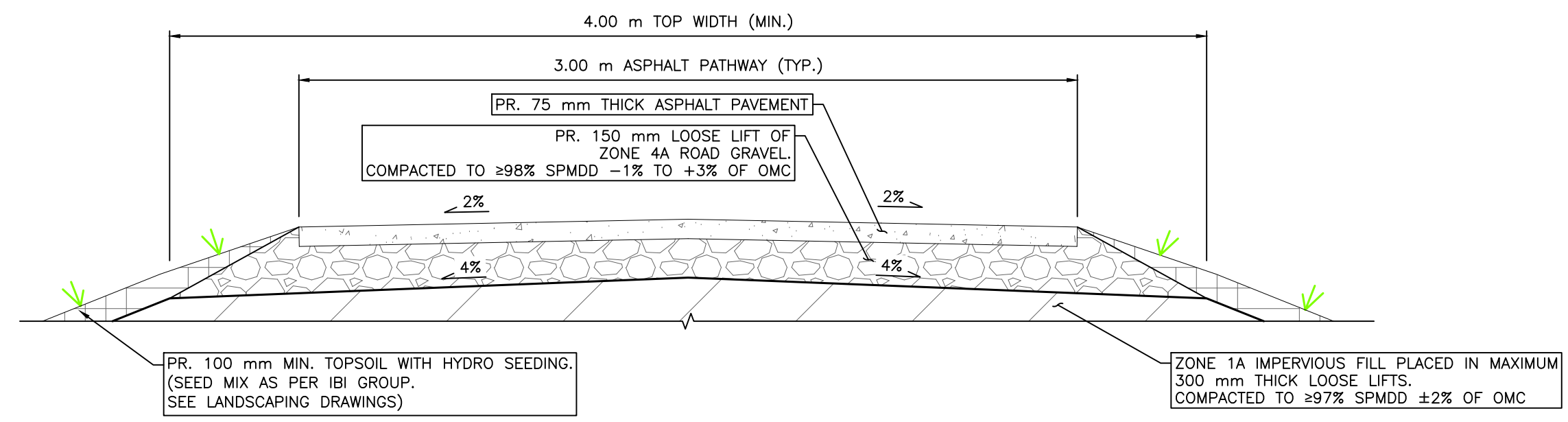
PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RW SIGNATURE: [Signature]
 ID 72962
 DATE: JUNE 26, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

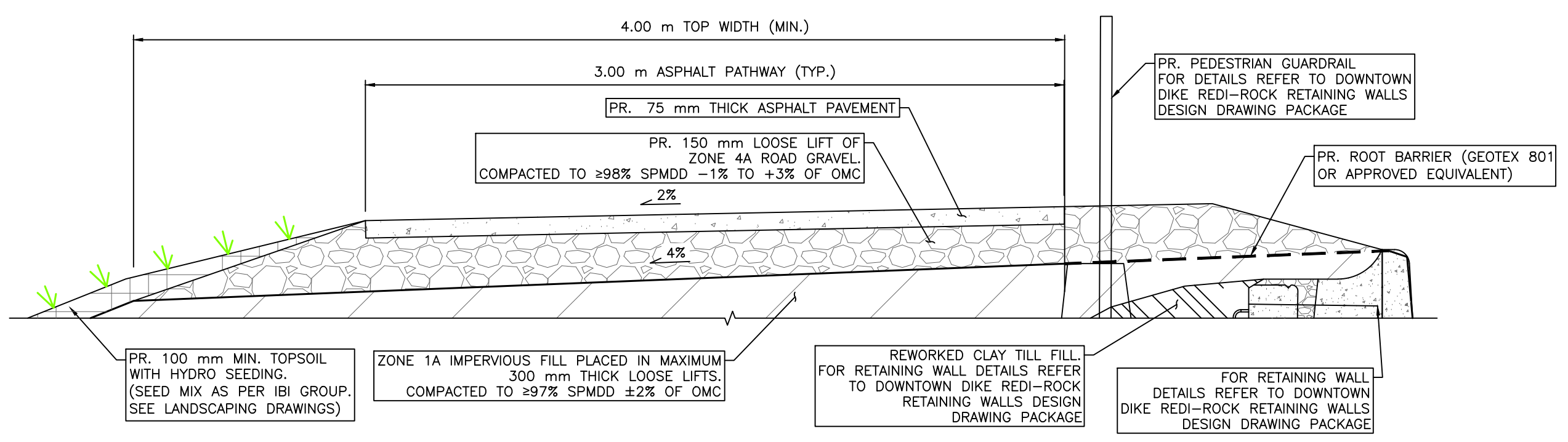
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
 DOWNTOWN DIKE
 DETAILS 3
 Project No. 21.2311.002
 Group CIVIL
 Drawing No. C-503
 Rev. 1

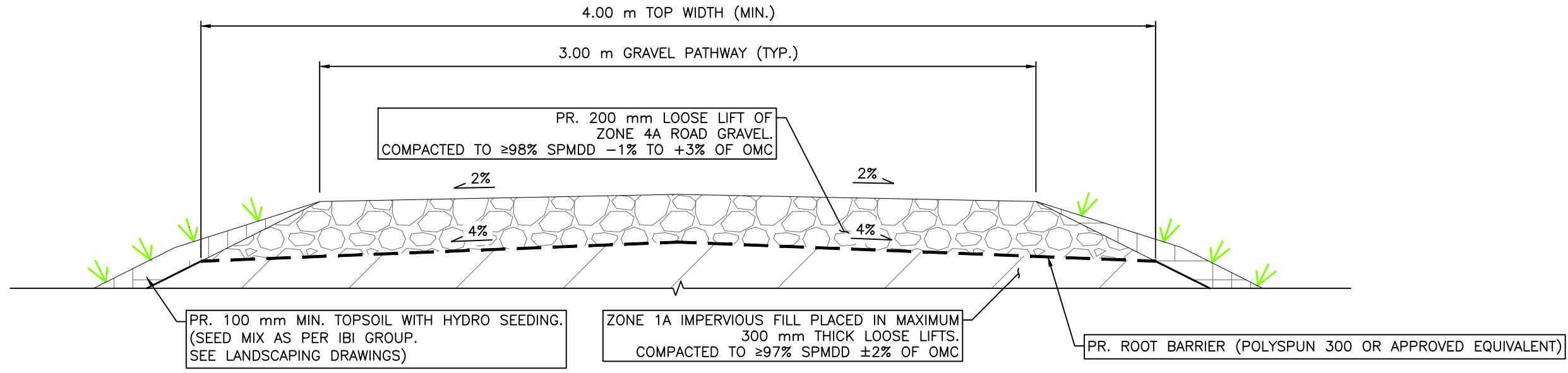
170
150
100
50
0
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 Saved: 2023/06/26 3:17 PM



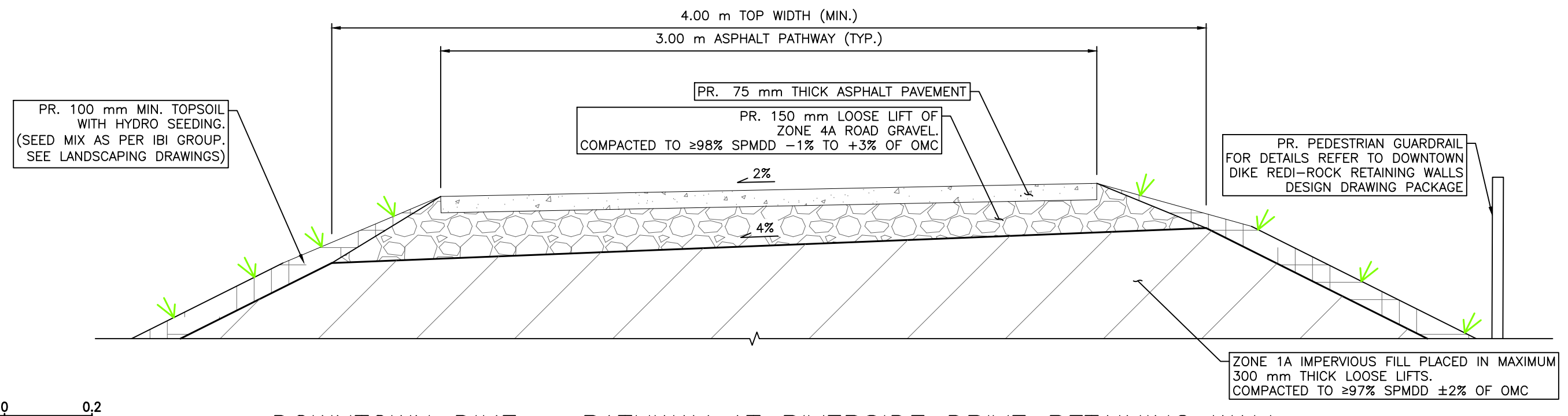
1A
 DOWNTOWN DIKE - CROWNED ASPHALT PATHWAY
 (STA D0+050 - STA D0+094; STA D0+122 - STA D0+718;
 STA D0+743 - STA D0+838; STA D1+062 - STA D1+108)
 1:20



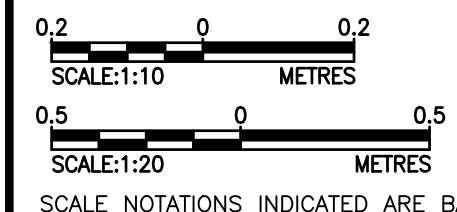
1B
 DOWNTOWN DIKE - PATHWAY AT AQUAPLEX AND RIVERVIEW TERRACE
 (STA D0+094 - STA D0+122; STA D0+718 - STA D0+743)
 1:20



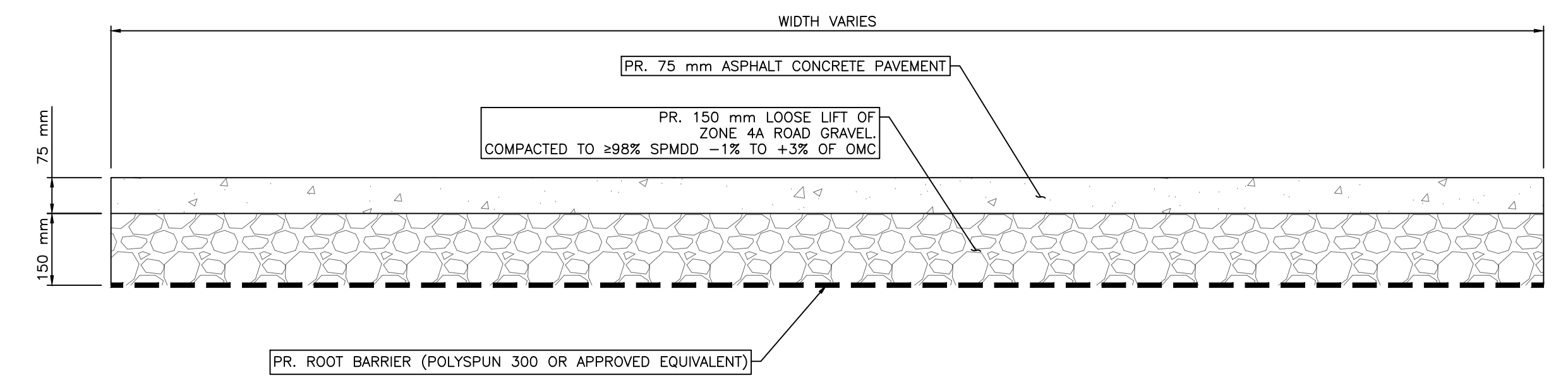
1C
 DOWNTOWN DIKE - CROWNED GRAVEL PATHWAY
 (STA D1+108 - D1+204)
 1:20



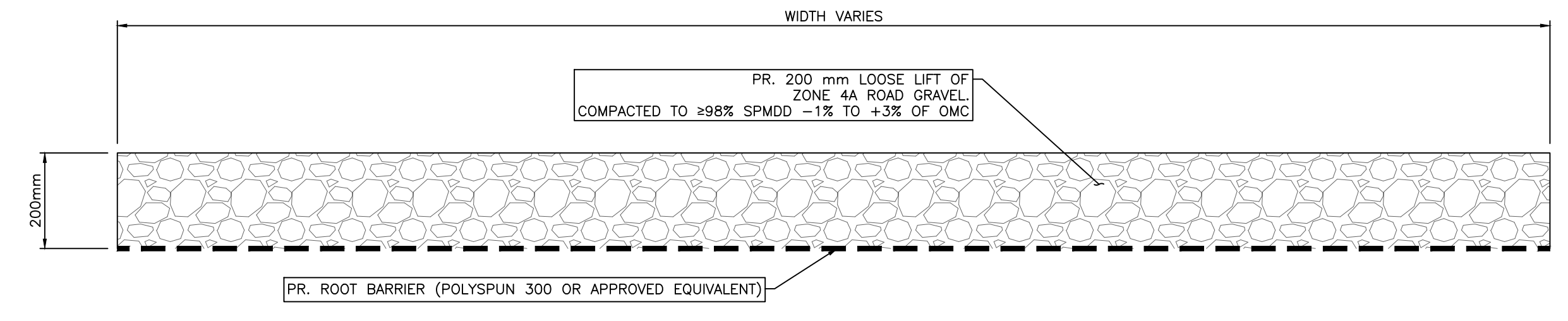
1D
 DOWNTOWN DIKE - PATHWAY AT RIVERSIDE DRIVE RETAINING WALL
 (STA D0+838 - STA D1+062)
 1:20



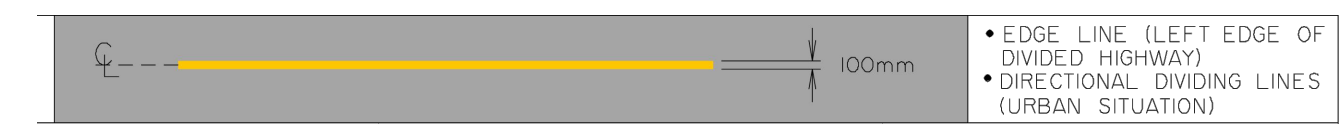
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



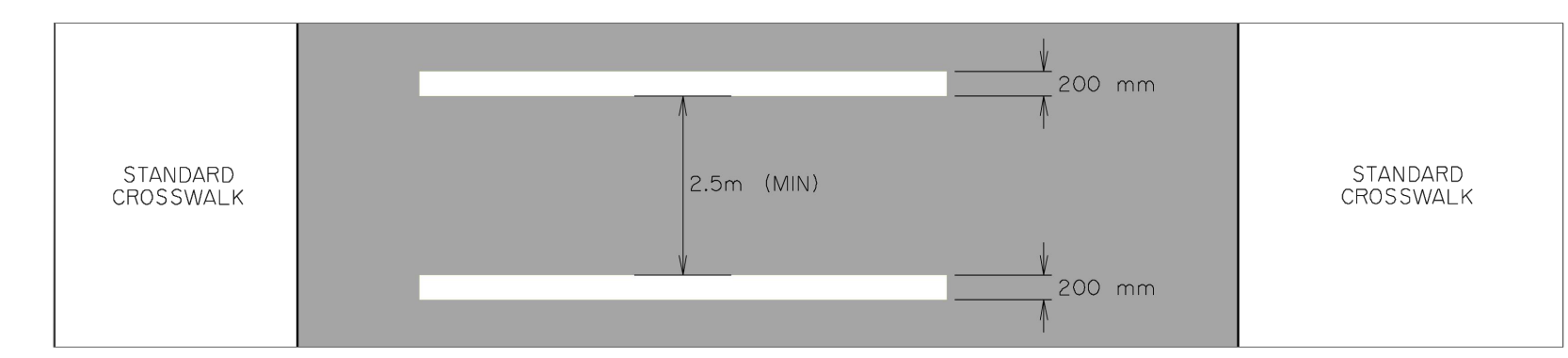
2A
 DOWNTOWN DIKE - ASPHALT CONNECTOR TRAIL
 1:10



2B
 DOWNTOWN DIKE - GRAVEL CONNECTOR TRAIL
 1:10



3
 PR. YELLOW LINE PAINTING (TYP)
 N.T.S.



4
 PR. CROSS WALK LINES
 N.T.S.



PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RM SIGNATURE: [Signature]
 RM AFIDA ID: 89046
 DATE: APR 25, 2023
PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

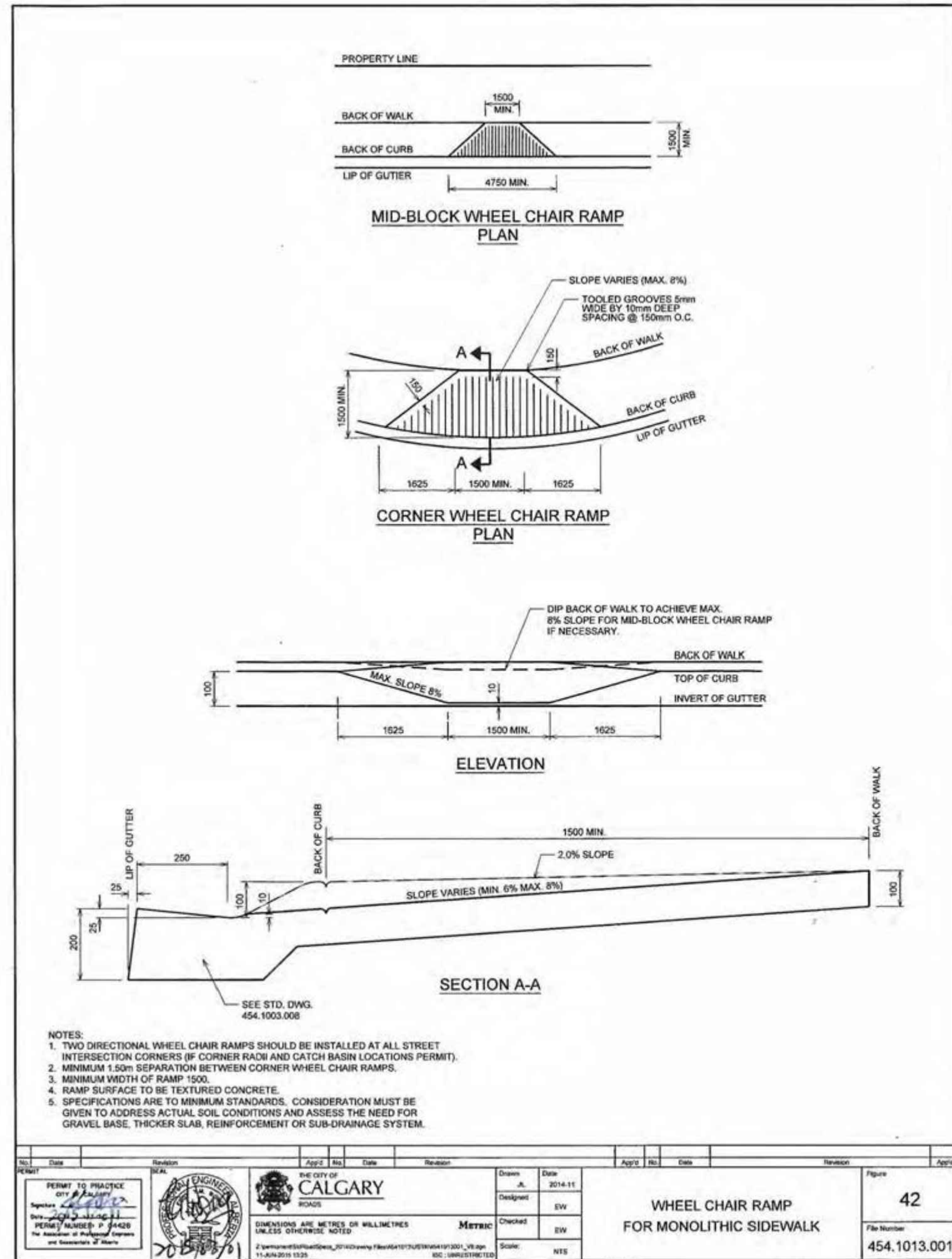
Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER			
DOWNTOWN DIKE			
DETAILS 4			
Project No.	21.2311.002	Drawing No.	C-504
Group	CIVIL	Rev.	1

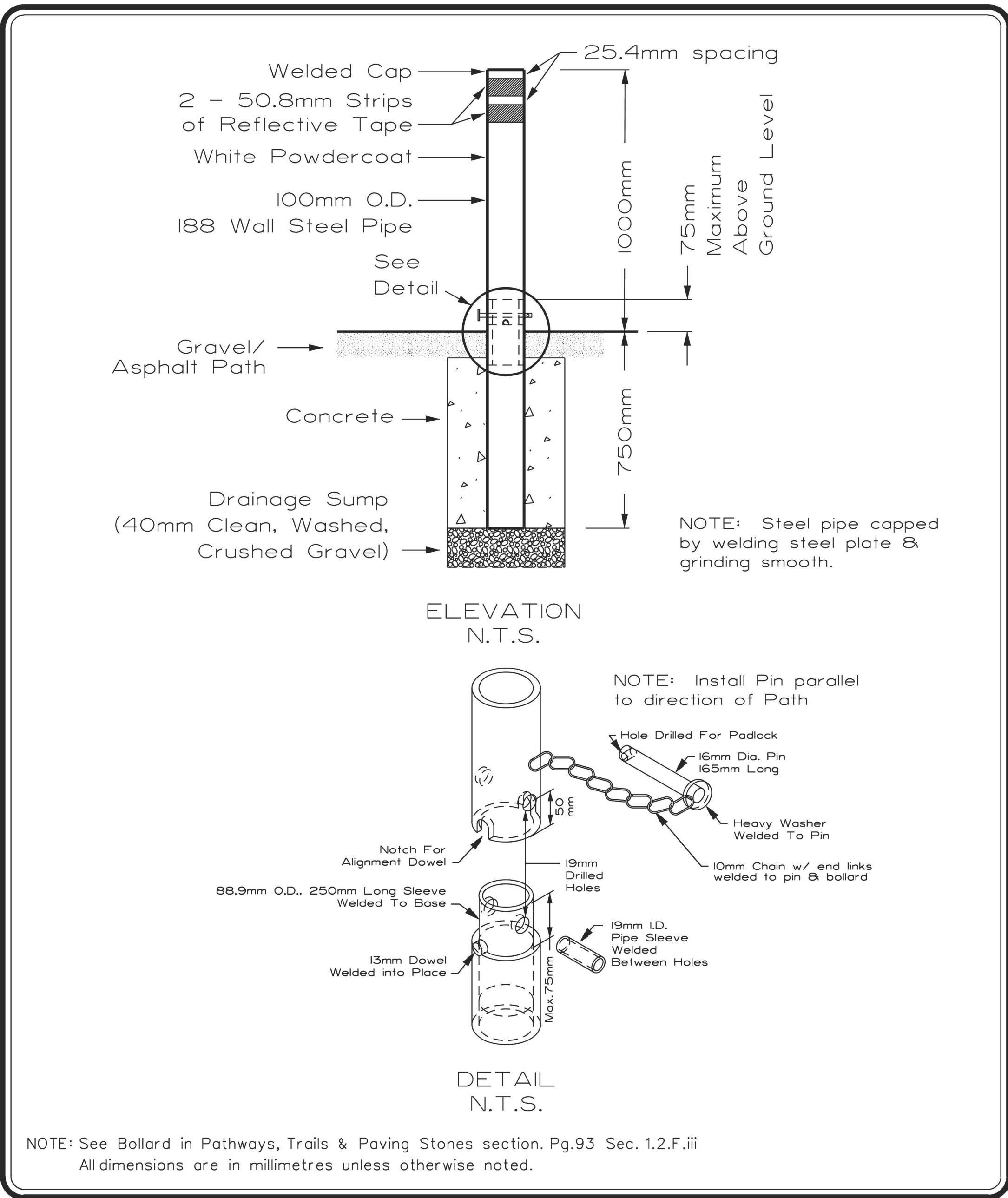
THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

100
 50
 0
 millimetres
 Paper Size = ANSI D
 At Full Size, this border measures 520 mm x 800 mm
 3:17 PM
 2023/06/26



① WHEEL CHAIR RAMP FOR MONOLITHIC SIDEWALK (CITY OF CALGARY FILE # 454.1013.001) N.T.S.

Detail Sheet 31: Bollards - Removable



	PROJECT TITLE	DRAWN BY	SCALE
	SPECIFICATIONS	S.P. / W.B.	N.T.S.
SHEET TITLE REMOVABLE BOLLARD DETAIL	DATE 2006 06 07	SHEET NO.	
	DESIGN BY G.S.	31	
	DATE 1997-06	FILE NO.	

② DIKE ACCESS BOLLARDS N.T.S.

ROAD NARROWS FROM LEFT WA-23-T



SECTION REFERENCE		
DIMENSIONS (mm)		750 x 750
ENLARGEMENT FACTOR		7.5 X
COLOUR		
BACKGROUND	BORDER	MESSAGE / SYMBOL
YELLOW	BLACK	BLACK

Government of Alberta Transportation

③ SIGN - ROAD NARROWS FROM LEFT N.T.S.

ROAD NARROWS FROM RIGHT WA-23-T

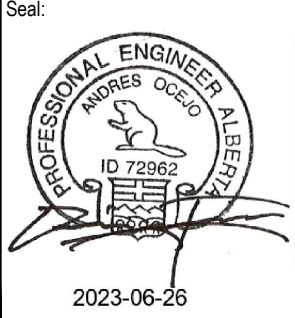
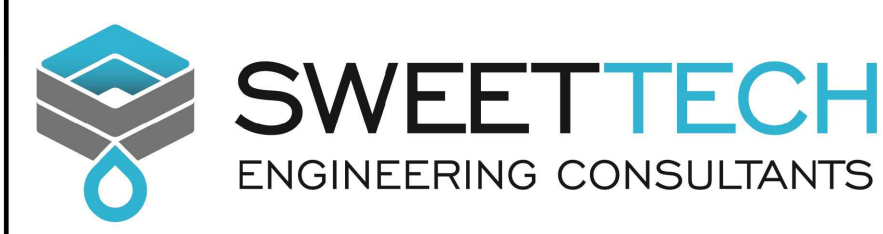


SECTION REFERENCE		
DIMENSIONS (mm)		750 x 750
ENLARGEMENT FACTOR		7.5 X
COLOUR		
BACKGROUND	BORDER	MESSAGE / SYMBOL
YELLOW	BLACK	BLACK

Government of Alberta Transportation

④ SIGN - ROAD NARROWS FROM RIGHT N.T.S.

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
1963401 ALBERTA LTD.
RW SIGNATURE: [Signature]
RW AFIDA ID #: 89046
DATE: June 26, 2023
PERMIT NUMBER: P013638
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

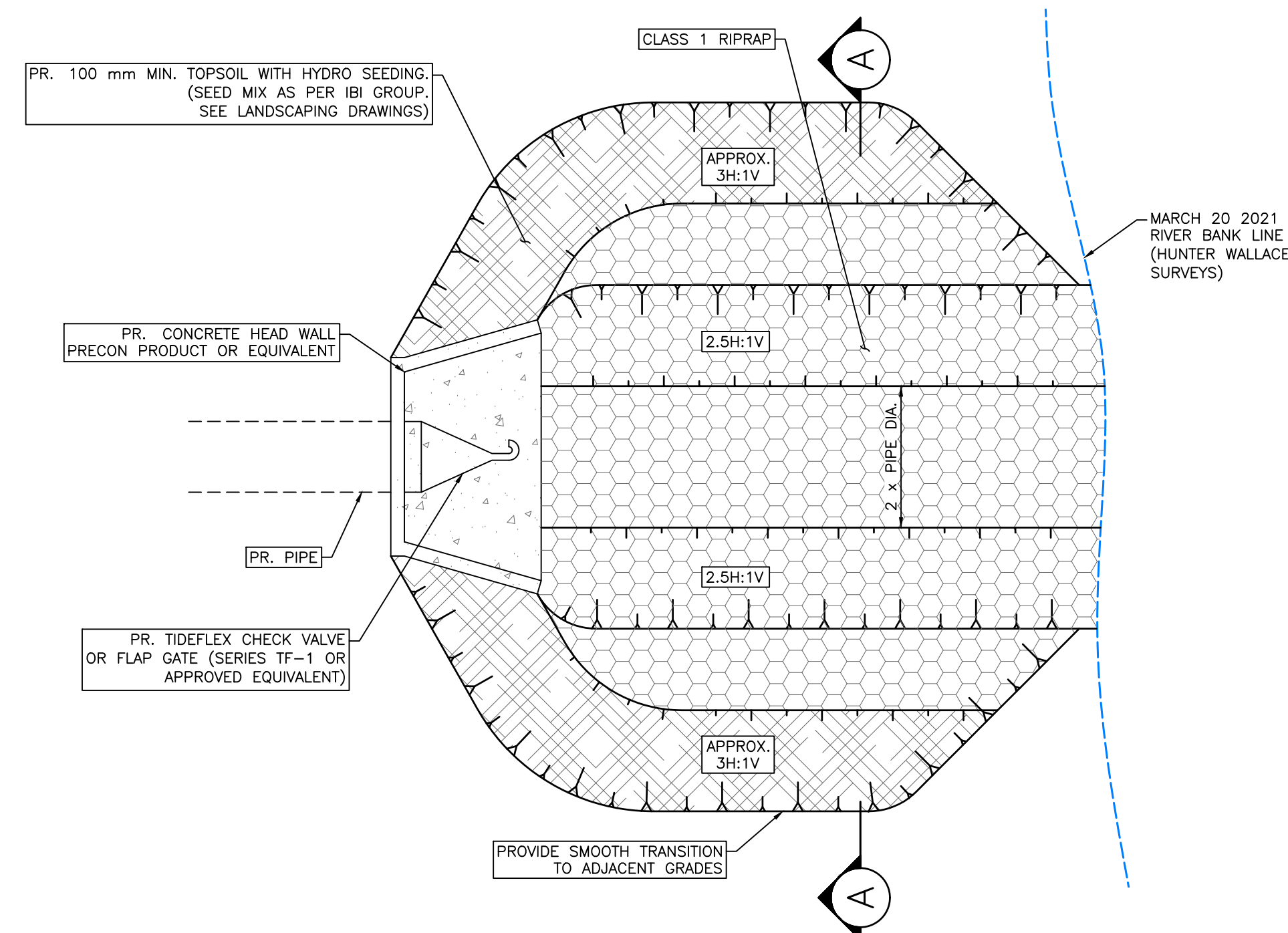
Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER						
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION						

TOWN OF DRUMHELLER DOWNTOWN DIKE

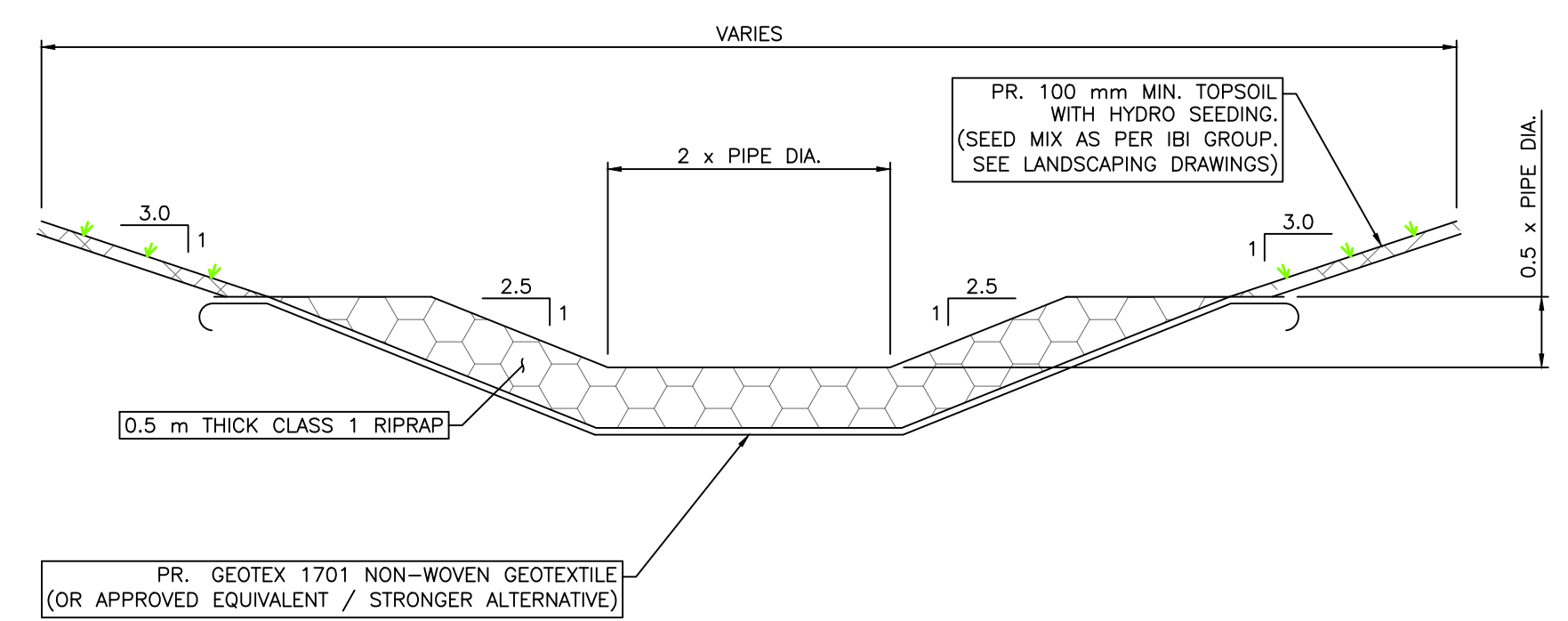
DETAILS 5

Project No. **21.2311.002** Drawing No. **C-505** Rev. **1**

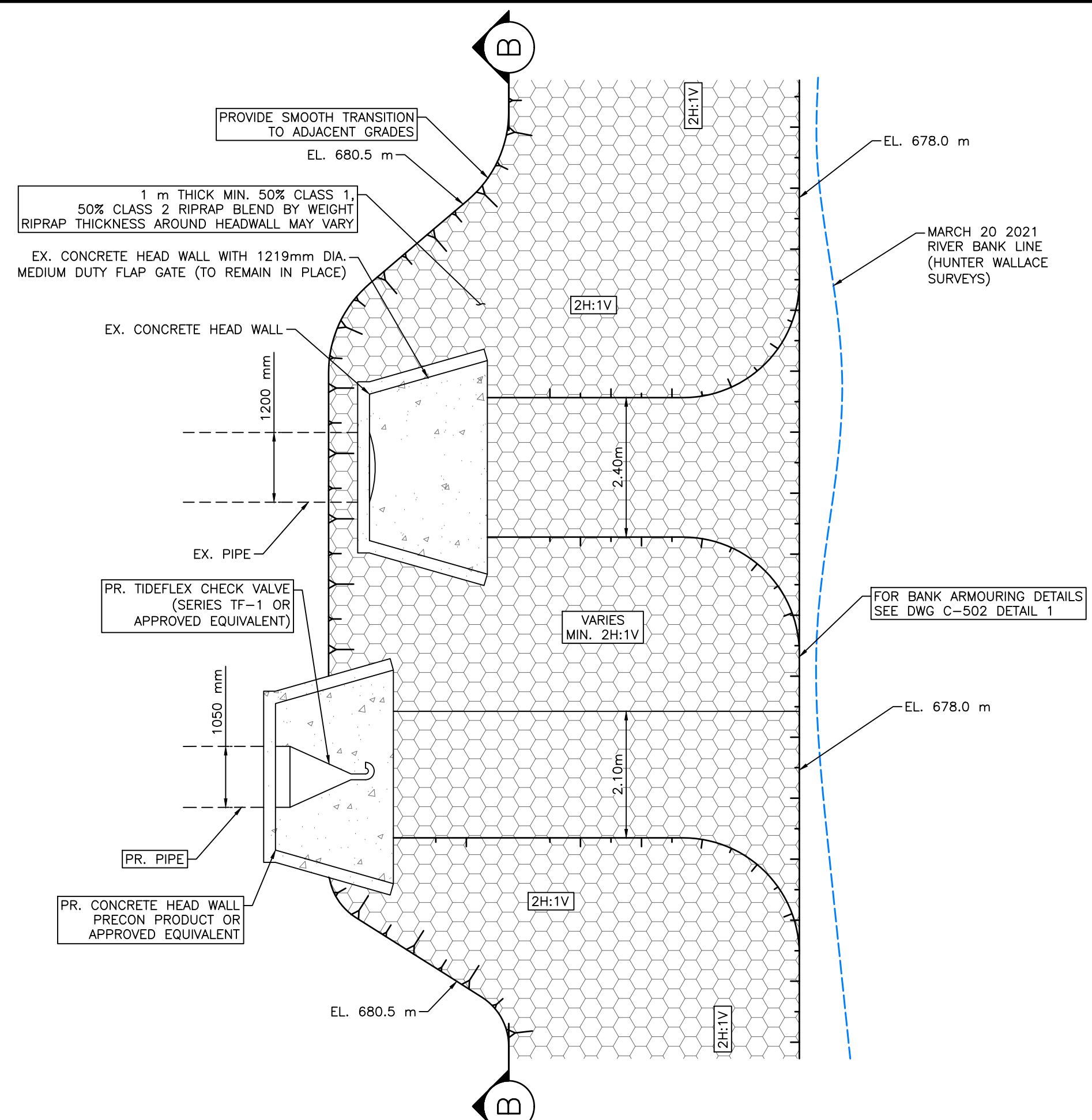
Group **CIVIL**



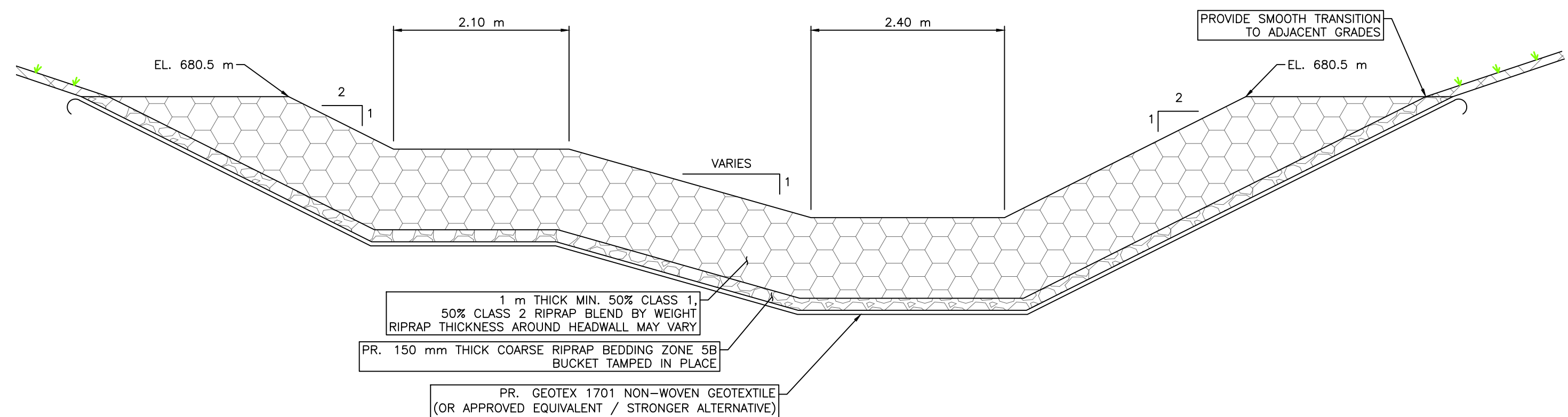
1 DETAIL – RIPRAP APRON
 N.T.S.



A RIPRAP APRON – SECTION
 N.T.S.

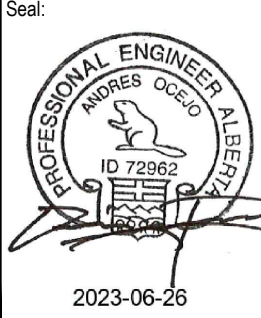
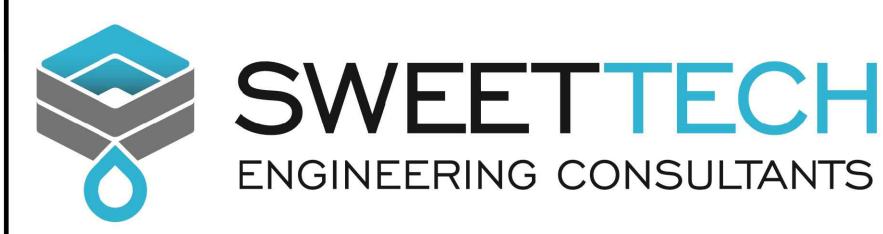


2 DETAIL – RIPRAP APRON TIE TO RIPRAP BANK STABILIZATION
 N.T.S.



B RIPRAP APRON – SECTION
 N.T.S.

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



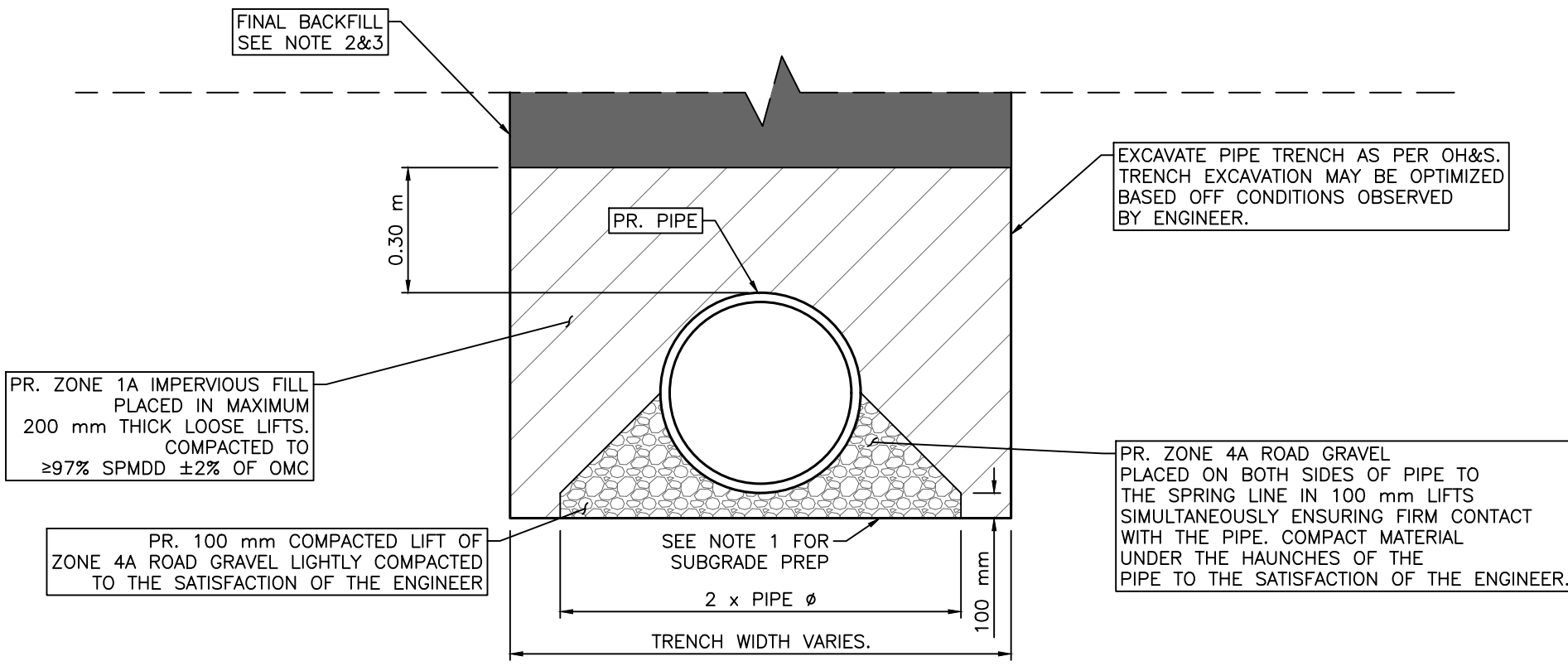
PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RM SIGNATURE: [Signature]
 RM AFCEA ID #: 69046
 DATE: June 26, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION

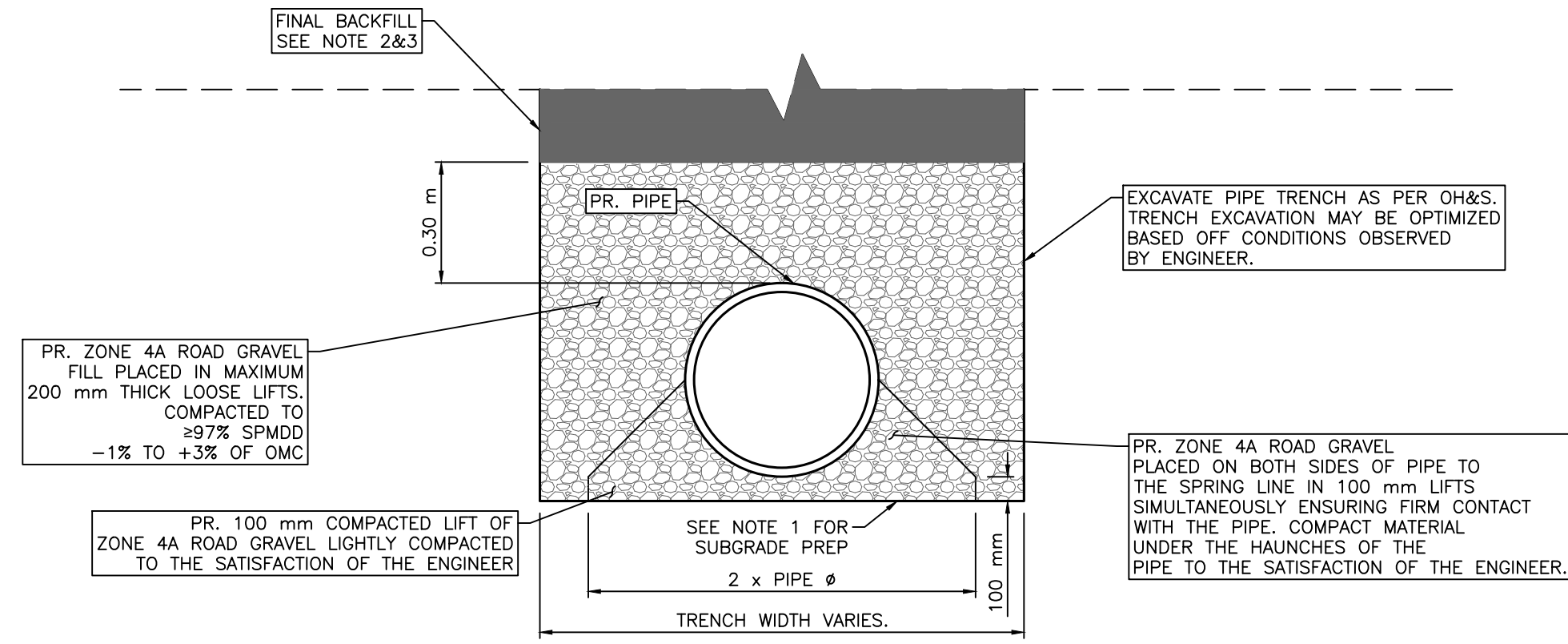
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER			
DOWNTOWN DIKE			
DETAILS 6			
Project No.	21.2311.002	Drawing No.	C-506
Group	CIVIL	Rev.	1

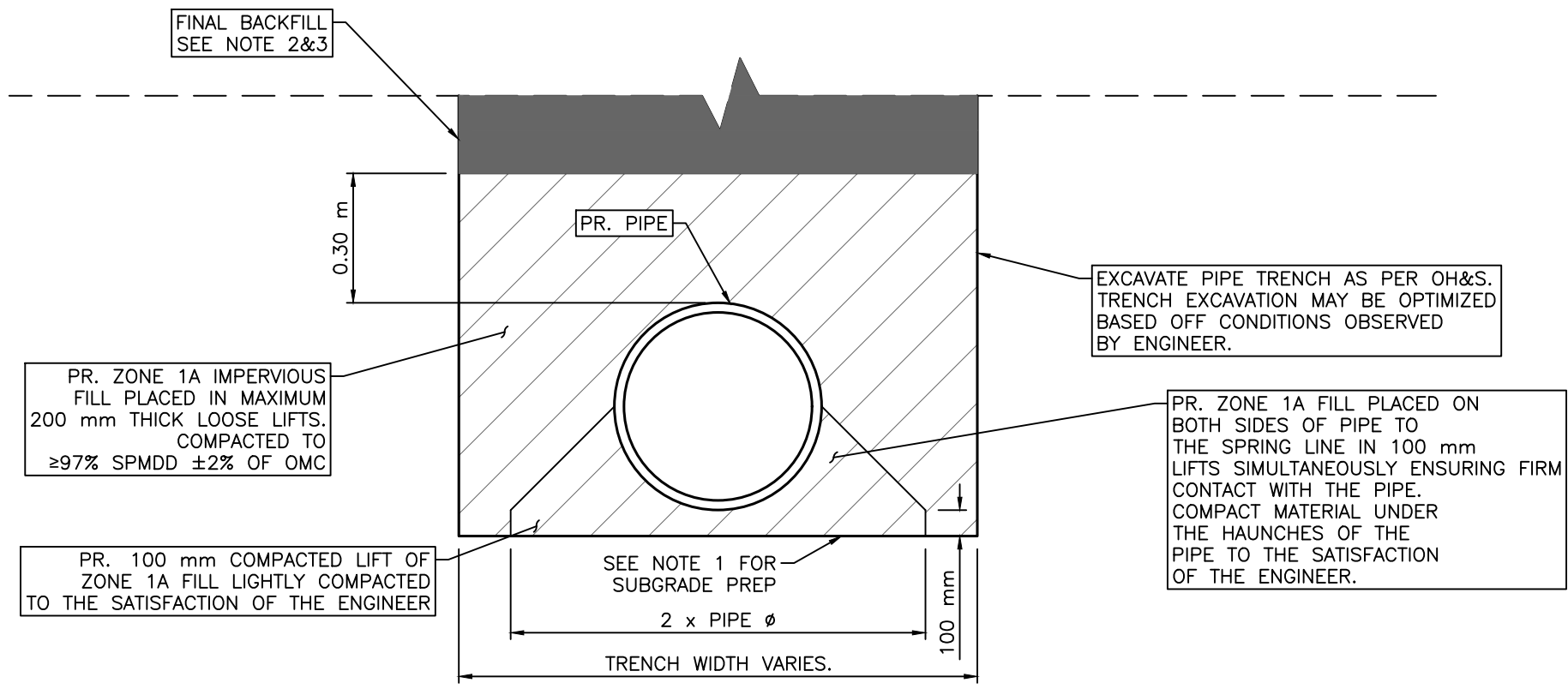
THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.



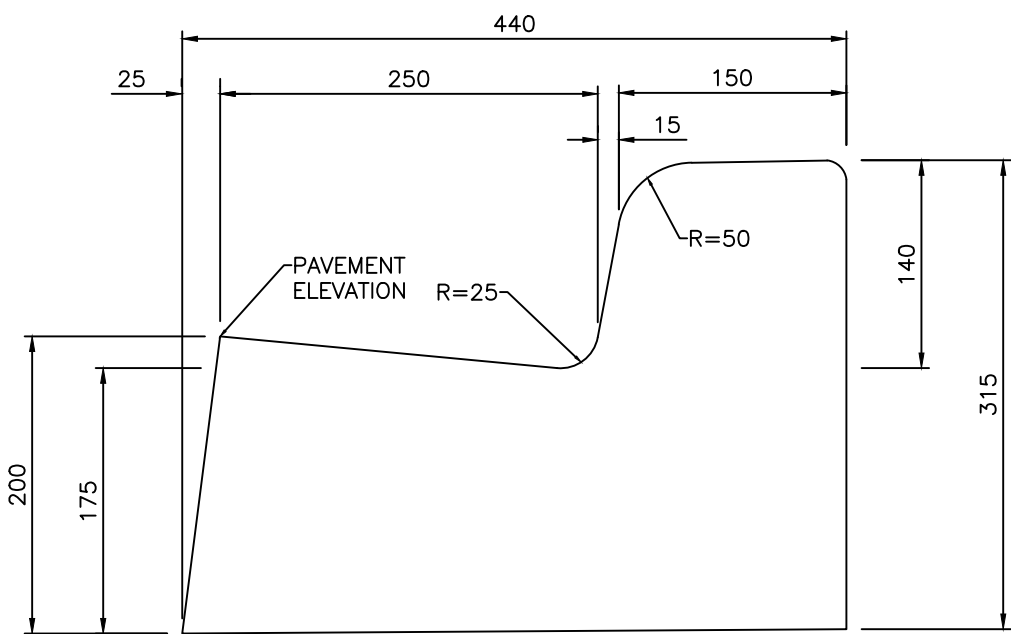
1 DETAIL – PIPE BEDDING AND BACKFILL DETAIL
 GRAVEL BEDDING, ZONE 1A BACKFILL
 N.T.S.



2 DETAIL – PIPE BEDDING AND BACKFILL DETAIL
 GRAVEL BEDDING, GRAVEL BACKFILL
 N.T.S.

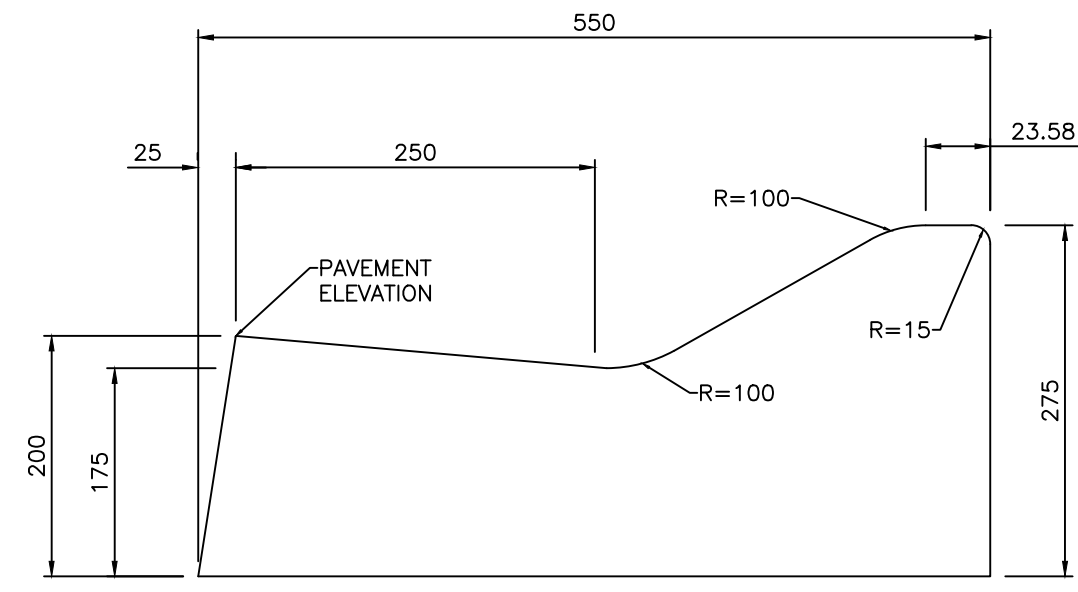


3 DETAIL – PIPE BEDDING AND BACKFILL DETAIL
 ZONE 1A BEDDING, ZONE 1A BACKFILL
 N.T.S.



4 DETAIL – STANDARD CURB WITH 250 mm GUTTER
 N.T.S.

1. REVERSE GUTTER TO BE USED ON HIGH SIDE OF ROADWAY IN SUPERELEVATION. BASE GRADIENT TO MATCH CROSSFALL OF PAVEMENT. GUTTER PAN TO BE PARALLEL WITH SURFACE CROSSFALL.
2. MINIMUM GUTTER THICKNESS 175 mm.



5 DETAIL – LOW PROFILE ROLLED CURB WITH 250 mm GUTTER
 N.T.S.

1. REVERSE GUTTER TO BE USED ON HIGH SIDE OF ROADWAY IN SUPERELEVATION. BASE GRADIENT TO MATCH CROSSFALL OF PAVEMENT. GUTTER PAN TO BE PARALLEL WITH SURFACE CROSSFALL.
2. MINIMUM GUTTER THICKNESS 175 mm.

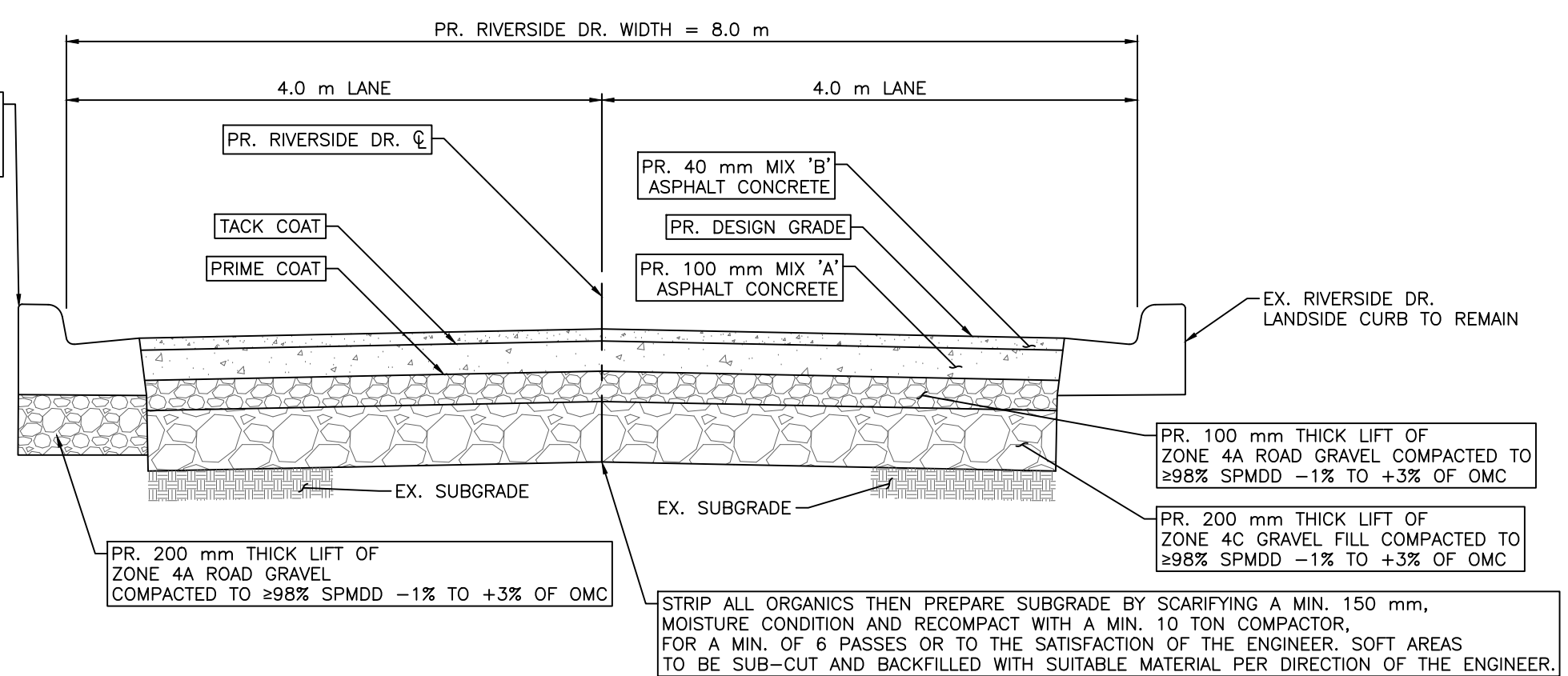
NO PARKING RB-51



SECTION REFERENCE		
DIMENSIONS (mm)		300 x 300
ENLARGEMENT FACTOR		2 X
COLOUR		
BACKGROUND	BORDER	MESSAGE / SYMBOL
WHITE	BLACK	RED / BLACK

Government of Alberta
 Transportation

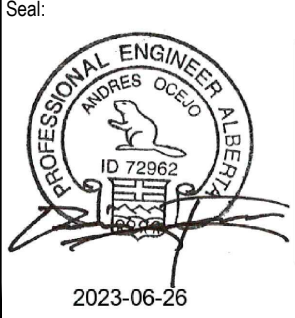
6 RB-51
 N.T.S.



7 RIVERSIDE DR. – PR. ROAD STRUCTURE
 N.T.S.

STRIP ALL ORGANICS THEN PREPARE SUBGRADE BY SCARIFYING A MIN. 150 mm, MOISTURE CONDITION AND RECOMPACT WITH A MIN. 10 TON COMPACTOR. FOR A MIN. OF 6 PASSES OR TO THE SATISFACTION OF THE ENGINEER. SOFT AREAS TO BE SUB-CUT AND BACKFILLED WITH SUITABLE MATERIAL PER DIRECTION OF THE ENGINEER.

SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



PERMIT TO PRACTICE
 1963401 ALBERTA LTD.
 RM SIGNATURE: [Signature]
 RM AFECA ID #: 89046
 DATE: June 26, 2023
 PERMIT NUMBER: P013638
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	23/03/20	AO	GM	CC/ES	ISSUED FOR TENDER						
1	23/06/26	AO	GM	ES	ISSUED FOR CONSTRUCTION						

Project No. 21.2311.002		Drawing No.	
		C-507	Rev. 1

TOWN OF DRUMHELLER
DOWNTOWN DIKE
DETAILS 7

THIS DRAWING IS PREPARED FOR THE SOLE USE OF THE TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.