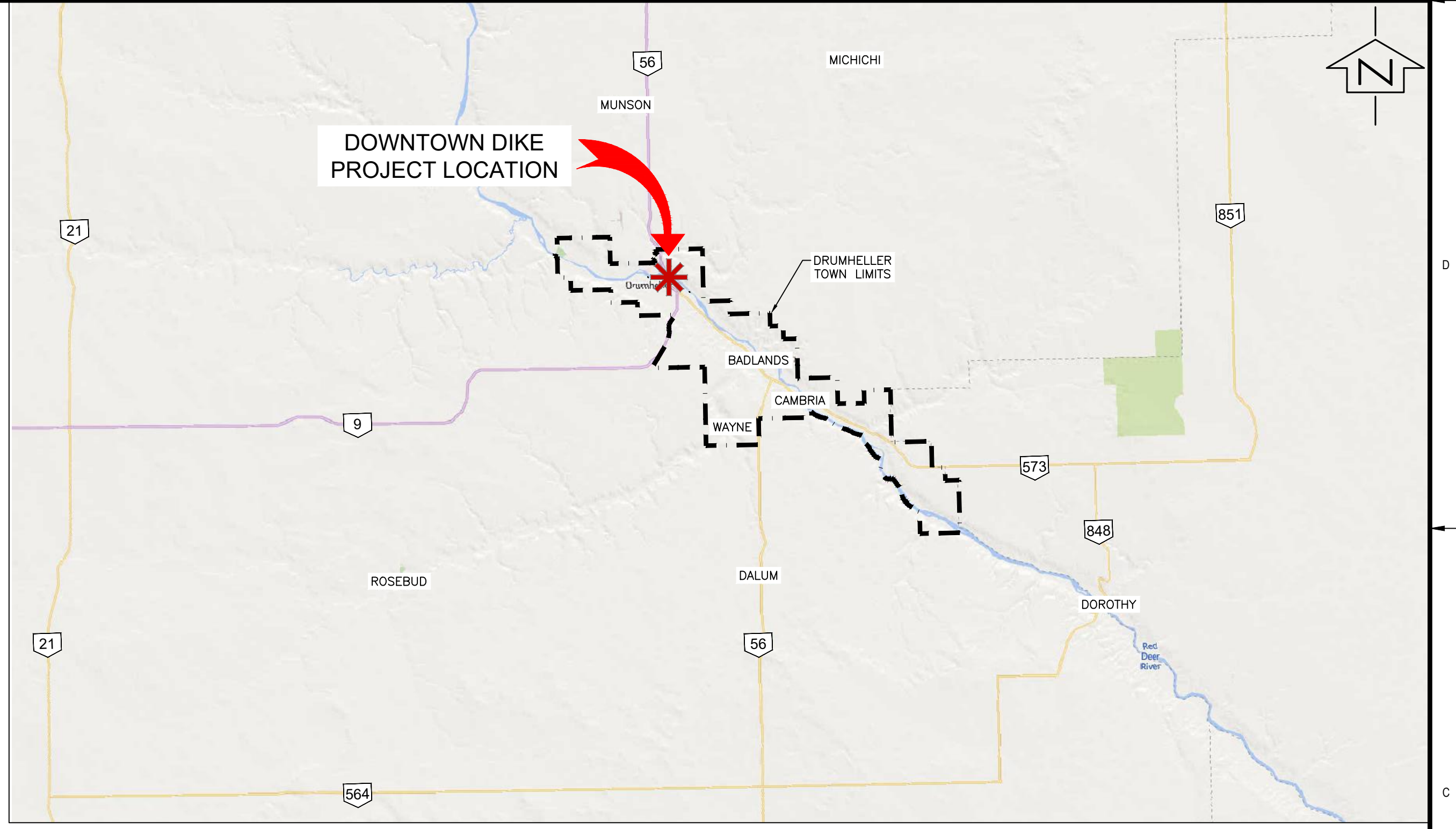
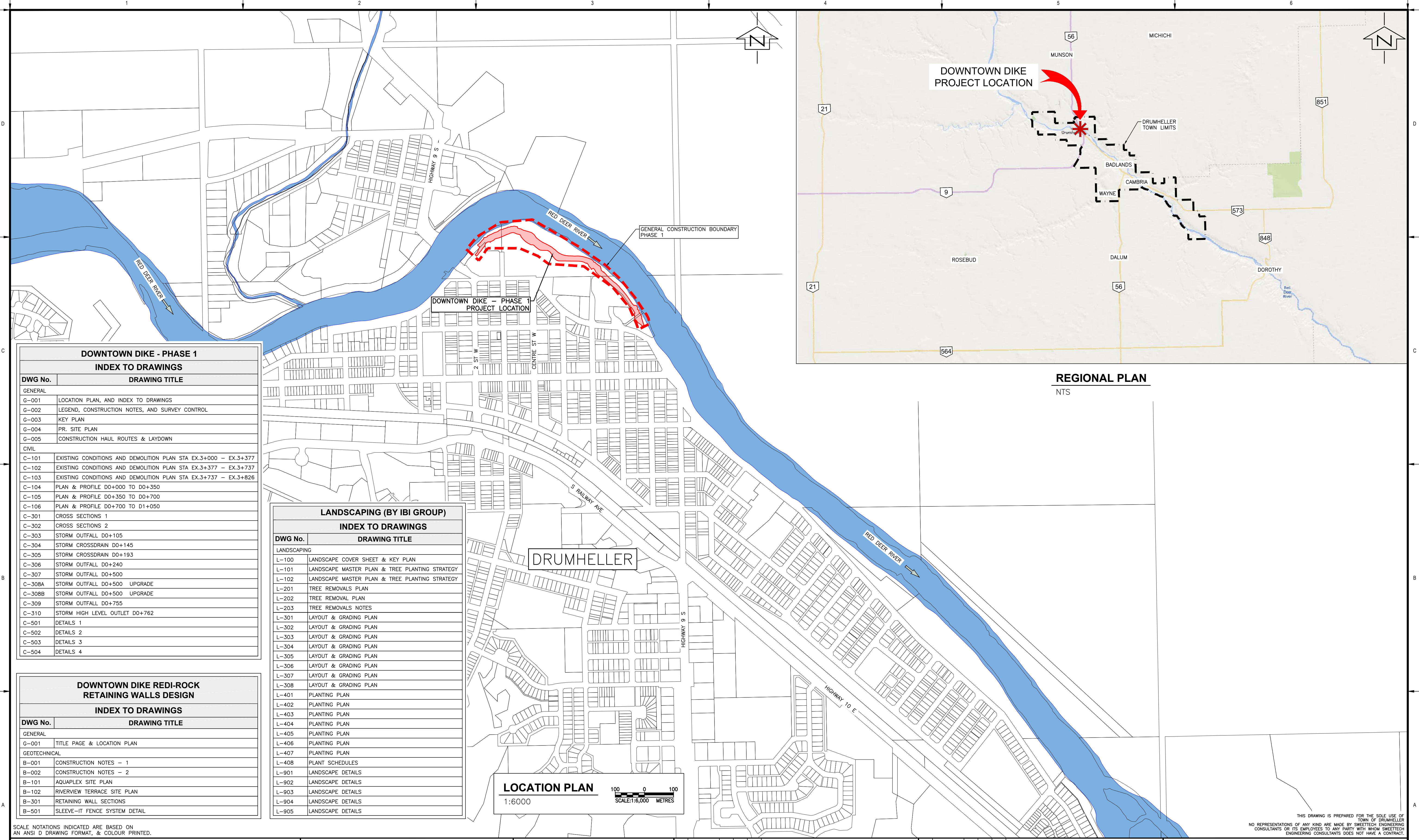


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**REGIONAL PLAN**  
NTS

DOWNTOWN DIKE - PHASE 1	
INDEX TO DRAWINGS	
DWG No.	DRAWING TITLE
<b>GENERAL</b>	
G-001	LOCATION PLAN, AND INDEX TO DRAWINGS
G-002	LEGEND, CONSTRUCTION NOTES, AND SURVEY CONTROL
G-003	KEY PLAN
G-004	PR. SITE PLAN
G-005	CONSTRUCTION HAUL ROUTES & LAYDOWN
<b>CIVIL</b>	
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.3+826
C-104	PLAN & PROFILE D0+000 TO D0+350
C-105	PLAN & PROFILE D0+350 TO D0+700
C-106	PLAN & PROFILE D0+700 TO D1+050
C-301	CROSS SECTIONS 1
C-302	CROSS SECTIONS 2
C-303	STORM OUTFALL D0+105
C-304	STORM CROSSDRAIN D0+145
C-305	STORM CROSSDRAIN D0+193
C-306	STORM OUTFALL D0+240
C-307	STORM OUTFALL D0+500
C-308A	STORM OUTFALL D0+500 UPGRADE
C-308B	STORM OUTFALL D0+500 UPGRADE
C-309	STORM OUTFALL D0+755
C-310	STORM HIGH LEVEL OUTLET D0+762
C-501	DETAILS 1
C-502	DETAILS 2
C-503	DETAILS 3
C-504	DETAILS 4

LANDSCAPING (BY IBI GROUP)	
INDEX TO DRAWINGS	
DWG No.	DRAWING TITLE
<b>LANDSCAPING</b>	
L-100	LANDSCAPE COVER SHEET & KEY PLAN
L-101	LANDSCAPE MASTER PLAN & TREE PLANTING STRATEGY
L-102	LANDSCAPE MASTER PLAN & TREE PLANTING STRATEGY
L-201	TREE REMOVALS PLAN
L-202	TREE REMOVAL PLAN
L-203	TREE REMOVALS NOTES
L-301	LAYOUT & GRADING PLAN
L-302	LAYOUT & GRADING PLAN
L-303	LAYOUT & GRADING PLAN
L-304	LAYOUT & GRADING PLAN
L-305	LAYOUT & GRADING PLAN
L-306	LAYOUT & GRADING PLAN
L-307	LAYOUT & GRADING PLAN
L-308	LAYOUT & GRADING PLAN
L-401	PLANTING PLAN
L-402	PLANTING PLAN
L-403	PLANTING PLAN
L-404	PLANTING PLAN
L-405	PLANTING PLAN
L-406	PLANTING PLAN
L-407	PLANTING PLAN
L-408	PLANT SCHEDULES
L-901	LANDSCAPE DETAILS
L-902	LANDSCAPE DETAILS
L-903	LANDSCAPE DETAILS
L-904	LANDSCAPE DETAILS
L-905	LANDSCAPE DETAILS

DOWNTOWN DIKE REDI-ROCK	
RETAINING WALLS DESIGN	
INDEX TO DRAWINGS	
DWG No.	DRAWING TITLE
<b>GENERAL</b>	
G-001	TITLE PAGE & LOCATION PLAN
<b>GEOTECHNICAL</b>	
B-001	CONSTRUCTION NOTES - 1
B-002	CONSTRUCTION NOTES - 2
B-101	AQUAPLEX SITE PLAN
B-102	RIVERVIEW TERRACE SITE PLAN
B-301	RETAINING WALL SECTIONS
B-501	SLEEVE-IT FENCE SYSTEM DETAIL

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

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.

				<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>22/04/05</td> <td>AO</td> <td>KS</td> <td>ES/AS</td> <td>ISSUED FOR TENDER</td> </tr> </tbody> </table>	Rev	Date	Des	Dwn	Chk	Description	0	22/04/05	AO	KS	ES/AS	ISSUED FOR TENDER	<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> </tbody> </table>	Rev	Date	Des	Dwn	Chk	Description							<p><b>TOWN OF DRUMHELLER</b> <b>DOWNTOWN DIKE - PHASE 1</b> <b>LOCATION PLAN, AND INDEX TO DRAWINGS</b></p>
				Rev	Date	Des	Dwn	Chk	Description																					
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LEGEND:					
EXISTING:		PROPOSED:			
RED DEER RIVER	-		DOWNTOWN DIKE	-	
DIKE	-		RETAINING WALL	-	
PROPERTY LINES	-		EDGE OF PAVEMENT	-	
SURVEYED BANK LINES	-		TOP OF SLOPE	-	
JERSEY BARRIER	-		TOE OF SLOPE	-	
WATER MAIN	-		MINOR CONTOURS	-	
GAS MAIN	-		MAJOR CONTOURS	-	
SANITARY SEWER MAIN	-		SWALE	-	
STORM SEWER MAIN	-		STM PIPE	-	
ELECTRICAL LINES	-		CATCH BASIN	-	
TELUS LINES	-		MANHOLE	-	
FENCE	-		OUTFALL	-	
PATHWAY	-				
MANHOLE	-				
CATCH BASIN	-		PROPOSED DIKE FOOTPRINT	-	
STREET LIGHT	-				
PEDESTAL	-				
OUTFALL	-		TOP SOIL/ORGANICS STRIPPING LIMITS	-	
ALBERTA SURVEY CONTROL MARKER	-				
BENCH	-				
TABLE	-				
SIGNAGE	-				
PETRIFIED WOOD	-				
TRASH CAN	-				

Table 1: Flood Frequency Estimates for Red Deer River near Drumheller (NHC 2020)

Return Period	Naturalized Peak Instantaneous Discharge (m³/s)	Regulated Peak Instantaneous Discharge (m³/s)
1:100	2260	1850
1:5	807	542
1:2	448	330

**CONSTRUCTION NOTES:**

- GENERAL:**
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO PROJECT SPECIFICATIONS, AND RELEVANT CITY OF CALGARY STANDARD SPECIFICATIONS & DRAWINGS, UNLESS NOTED OTHERWISE. WHEN A CONFLICT BETWEEN SPECIFICATIONS ARISES, DISCUSS ANY UNCERTAINTIES WITH THE ENGINEER PRIOR TO CONSTRUCTION AND/OR INSTALLATION.
  - TOPOGRAPHIC SURVEY IS PROVIDED ON AN AS-IS BASIS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM INDEPENDENT PRE AND POST DISTURBANCE SURVEY FOR THE PURPOSES OF CONSTRUCTION LAYOUT AND QUANTITY RECONCILIATION AS APPLICABLE TO EXECUTE AND RECORD PROGRESS OF THE WORKS.
  - ALL AFFECTED RESIDENTS AND BUSINESSES SHALL BE NOTIFIED IN WRITING A MINIMUM OF 7 BUSINESS DAYS PRIOR TO ANY SCHEDULED ACCESS AND/OR SERVICE DISRUPTIONS.
  - CONTRACTOR SHALL PREPARE A TRAFFIC MANAGEMENT PLAN AND PEDESTRIAN MANAGEMENT PLAN (I.E. TRAIL DETOUR PLAN) TO ADDRESS CONSTRUCTION IMPACTS.
  - DURING CONSTRUCTION, ENSURE ALL OH&S REGULATIONS ARE FOLLOWED, CONTRACTOR SHALL PROVIDE THE ENGINEER WITH ALBERTA OCCUPATIONAL HEALTH AND SAFETY REPORTS, IF APPLICABLE.
  - SITE SECURITY IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR SECURITY IN, ON, OR ABOUT THE PROJECT SITE, NOR FOR CONTRACTOR COMPLIANCE.
  - ENSURE THE CURRENT MUNICIPAL OH&S GROUND DISTURBANCE PRACTICE AND PROCEDURES ARE FOLLOWED. CONTACT ALBERTA ONE CALL FOR EXTERNAL UTILITY LOCATES AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
  - CONFIRM ALL EXISTING SERVICES, CONNECTIONS AND CROSSING POINTS AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION ON ANY SUCH ITEM. NOTIFY THE ENGINEER SHOULD CONFLICTS BE FOUND.
  - TEMPORARY SIGNAGE AND FENCING MAINTENANCE DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - ADJUST ALL EXISTING AND NEW APPURTENANCES TO MEET THE FINAL DESIGN GRADES.
  - RESTORE ALL THE AREAS AFFECTED BY CONSTRUCTION WORKS TO THEIR ORIGINAL CONDITION OR BETTER.

- ENVIRONMENTAL:**
- USE BEST MANAGEMENT PRACTICES (BMP), IN ACCORDANCE WITH ALBERTA BMP GUIDELINES AND REGULATIONS, DURING CONSTRUCTION. ADJUST WORK ACTIVITIES DURING PERIODS OF PRECIPITATION AND/OR SNOWMELT TO MITIGATE AGAINST SEDIMENT RELEASE TO THE STORM DRAIN SYSTEM OR NATURAL WATER BODIES INCLUDING THE RED DEER RIVER. NO MUD TRACKING ON TO NEARBY ROADWAYS IS PERMITTED.
- THE MINIMUM BMP'S TO CONSIDER ARE:
- CONTRACTOR SHALL PREPARE AND SUBMIT AN ECO PLAN FOR APPROVAL PRIOR TO CONSTRUCTION. CONTRACTOR TO ADHERE TO ECO PLAN THROUGHOUT CONSTRUCTION.
  - ADHERE TO ALL APPLICABLE REGULATORY PERMITS, APPROVALS, AND CONDITIONS.
  - INSPECT ALL EQUIPMENT DAILY FOR FLUID LEAKS.
  - ENSURE SPILL PROTECTION MEASURES ARE IN PLACE DURING RE-FUELING OF EQUIPMENT.
  - KEEP A SPILL KIT ON SITE AT ALL TIMES.
  - CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN FROM DAMAGE DURING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY IF A POSSIBLE CONFLICT IS FOUND.
  - CONTRACTOR TO COMPLETE BIRD NEST SWEEP PRIOR TO REMOVING ANY TREES ON SITE IF REQUIRED BY REGULATORY ACT. ADDITIONAL NEST SWEEPS MAY BE REQUIRED IF PRESCRIBED BY PROJECT BIOLOGIST.

- UTILITIES:**
- LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE TO DETERMINE EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION.
  - THE CONTRACTOR IS WARNED THAT CONFLICTS WITH EXISTING UTILITY SERVICES MAY EXIST. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS, AND CONTRACTOR SHALL THEN LOCATE ALL UTILITIES (INCLUDING DEPTH). SWEETECH ENGINEERING CONSULTANTS ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. ANY CONFLICTS WITH THE CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY SO THAT MITIGATION OF CONFLICTS WITH THESE EXISTING UTILITIES CAN BE CONSIDERED.
  - ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER OR ENGINEER.
  - ENSURE ALL EXISTING WATER SYSTEMS REMAIN IN USE DURING CONSTRUCTION.
  - IF GAS MAINS ARE PRESENT WITHIN PROJECT AREA, APEX UTILITIES AND OH&S REGULATIONS SHALL BE FOLLOWED. APEX UTILITIES REPRESENTATIVE MAY BE REQUIRED TO BE PRESENT WHEN WORKING ADJACENT TO GAS MAINS (ESPECIALLY HIGH PRESSURE).
  - IF ATCO ELECTRIC UTILITIES ARE FOUND WITHIN THE PROJECT AREA, THE CONTRACTOR SHALL PROVIDE 72 HOURS NOTICE PRIOR TO EXCAVATION. A REPRESENTATIVE FROM ATCO WILL BE SCHEDULED TO BE PRESENT DURING EXCAVATION.
  - WHERE HEAVY WORK IS REQUIRED WITHIN THE EXCAVATION ZONE SURROUNDING UTILITY POLES, AND A POLE HOLD IS REQUIRED, THE CONTRACTOR MUST BE AUTHORIZED AND BE ABLE TO PULL A LIVE LINE PERMIT.

- REFERENCE:**
- SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT.
  - EXISTING GROUND CONTOURS FROM HUNTER WALLACE SURVEYS LTD. RECEIVED ON SEPTEMBER 15TH 2021.
  - 2019 AERIAL IMAGERY PROVIDED BY DRUMHELLER RESILIENCY AND FLOOD MITIGATION OFFICE.
  - PROJECT COORDINATE SYSTEM CANAB3-3TM114.
  - RED DEER RIVER BANK LINE PROVIDED BY HUNTER WALLACE SURVEYS LTD.
  - RIVER STATIONING PROVIDED BY NORTHWEST HYDRAULIC CONSULTANTS.
  - UTILITIES PROVIDED BY DRUMHELLER RESILIENCY AND FLOOD MITIGATION OFFICE.

**SURVEY CONTROL**

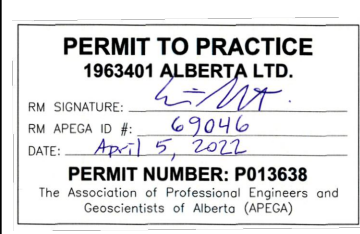
PROJECT HORIZONTAL DATUM IS GRID FOR ALBERTA NAD83, 3 DEGREE ZONE, CENTER AT 114° WEST (CANAB3-3TM114). ALL ELEVATIONS ARE SHOWN IN METRES TO CANADIAN GEODETIC VERTICAL DATUM 1928 (CGVD28) CONFIRMED BY TIES TO ALBERTA SURVEY CONTROL MARKERS (ASCM) IN THE PROJECT AREA:

PNT #	NORTHING	EASTING	ELEV	DESC.
371419	5704120.994	89887.383	682.345	ASCM
333830	5704070.443	90088.890	681.449	ASCM
417469	5703757.371	90303.534	684.371	ASCM
639732	5703923.309	90272.646	681.725	ASCM
416636	5704765.602	89475.019	686.227	ASCM

**DRAWING ABBREVIATIONS**

APPROX.	APPROXIMATELY	DR.	DRIVE
FB	FREEBOARD	ST.	STREET
ELEV.	ELEVATION	AVE.	AVENUE
DWG	DRAWING	STA	STATION
CL	CENTER LINE	IFT	ISSUED FOR TENDER
TYP.	TYPICAL	HW	HEAD WALL
SPWDD	STANDARD PROCTOR MAXIMUM DRY DENSITY		
OMC	OPTIMUM MOISTURE CONTENT		
C/W	COMES WITH		
W/	WITH		
PE.	POLYETHYLENE		
INV.	INVERT		
STM	STORM		
SAN	SANITARY		
PR.	PROPOSED		
EX.	EXISTING		
MIN.	MINIMUM		
MAX.	MAXIMUM		
TSD.	TO BE DETERMINED		
TBC.	TO BE CONSIDERED		

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



Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
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TOWN OF DRUMHELLER DOWNTOWN DIKE - PHASE 1 LEGEND, CONSTRUCTION NOTES, AND SURVEY CONTROL			
Project No.	21.2311.002	Drawing No.	G-002
Group	GENERAL	Rev.	0

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PROPOSED CONSTRUCTION PHASING				
PHASE	DESC	STATION FROM	STATION TO	DATE
PHASE 1	GORDON TAYLOR BRIDGE TO RIVERVIEW TERR. CONDOS	D0+050	D0+789	SUMMER 2022
PHASE 2	RIVERVIEW TERR. CONDOS TO SCHUMACHERS CORNER	D0+755	D1+112	FALL 2022

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

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 1983401 ALBERTA LTD.  
 REG. NUMBER: 69046  
 DATE: 01/01/2022  
**PERMIT NUMBER: P013638**  
 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Rev	Date	Des	Dwn	Chk	Description
0	22/04/05	AO	KS	ES/AS	ISSUED FOR TENDER

Rev	Date	Des	Dwn	Chk	Description

**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**KEY PLAN**

Project No.	21.2311.002	Drawing No.	G-003	Rev.	0
Group	GENERAL				

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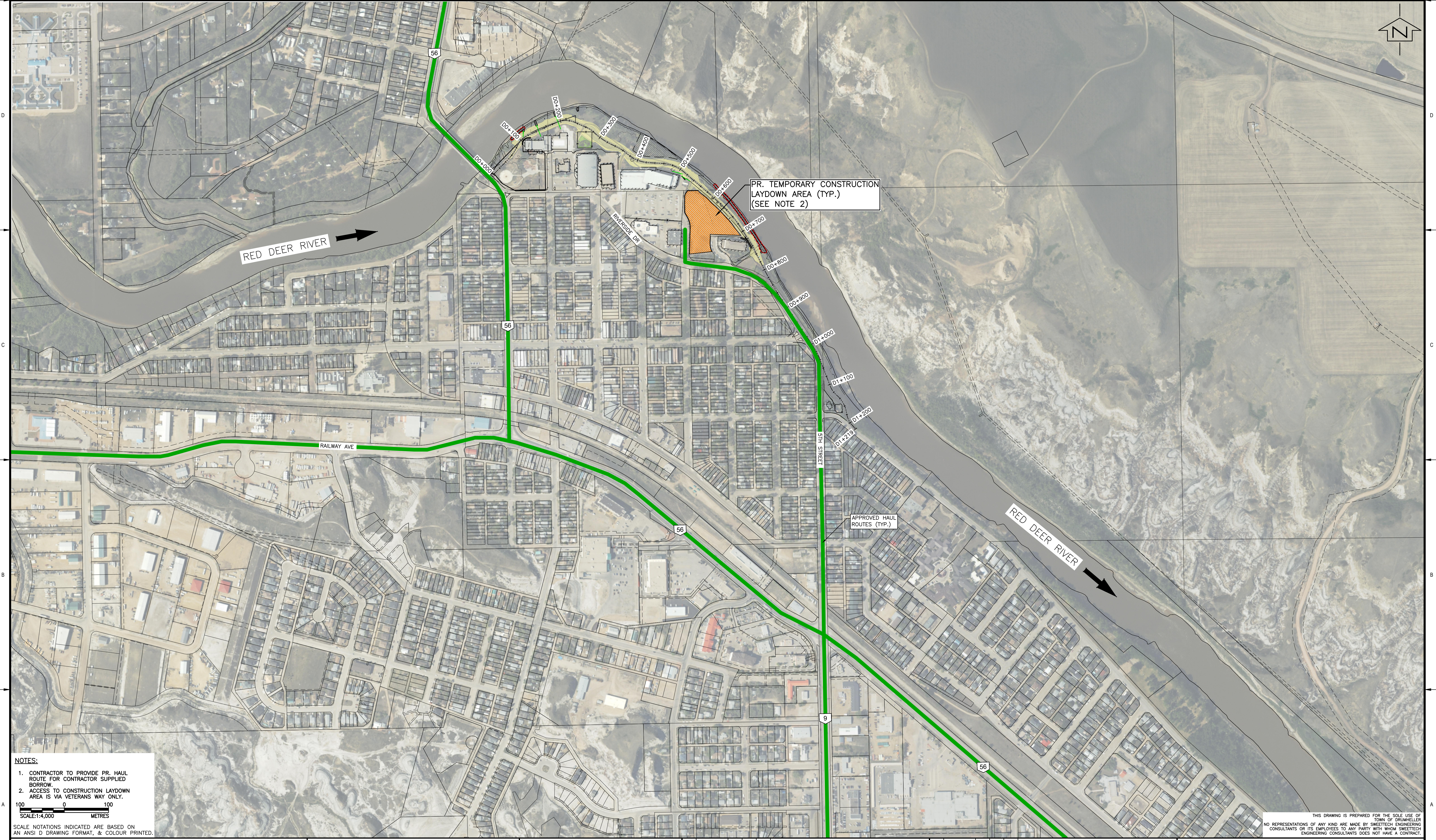
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2. ACCESS TO CONSTRUCTION LAYDOWN AREA IS VIA VETERANS WAY ONLY.
3. NO ENCROACHMENT OR CONSTRUCTION WITHIN AREAS MARKED AS HOLD PERMITTED UNTIL HOLD IS LIFTED BY ENGINEER.

SCALE: 1:1,000 METRES

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				Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description	<b>TOWN OF DRUMHELLER</b> <b>DOWNTOWN DIKE - PHASE 1</b> <b>PR. SITE PLAN</b>	Project No.	Drawing No.	Rev.
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**NOTES:**

- CONTRACTOR TO PROVIDE PR. HAUL ROUTE FOR CONTRACTOR SUPPLIED BORROW.
- ACCESS TO CONSTRUCTION LAYDOWN AREA IS VIA VETERANS WAY ONLY.

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

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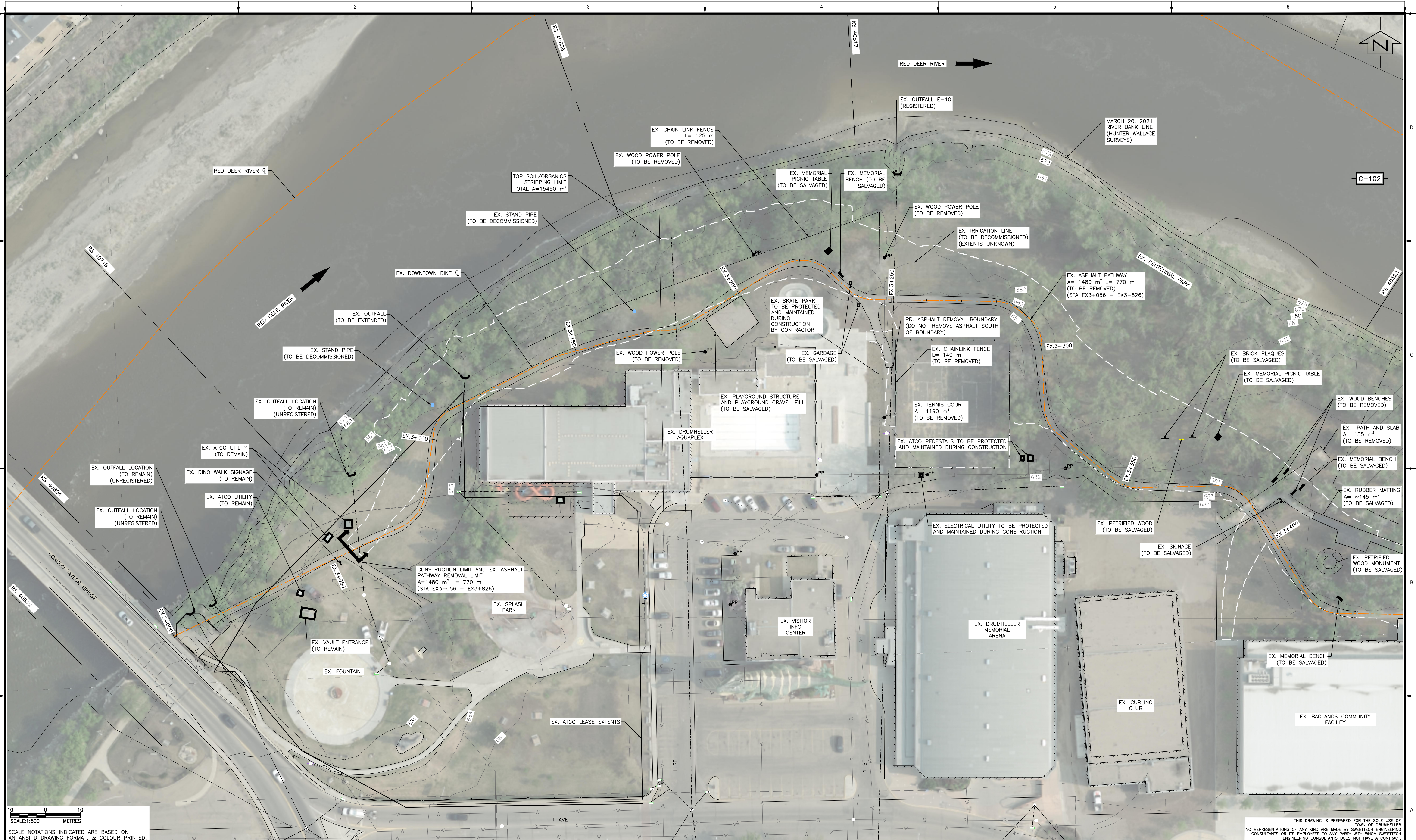
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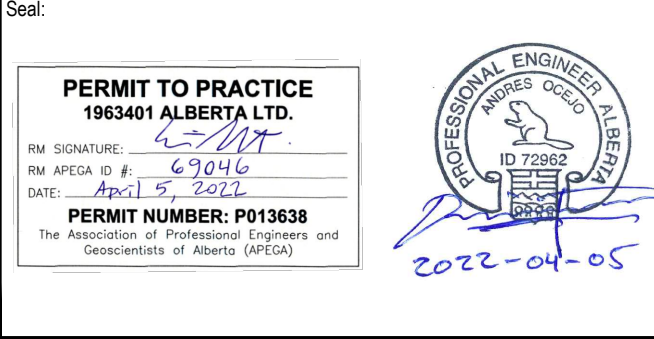
**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**CONSTRUCTION HAUL ROUTES & LAYDOWN**

Project No. **21.2311.002** Drawing No. **G-005** Rev. **0**  
 Group **GENERAL**



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Rev	Date	Des	Dwn	Chk	Description
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Rev	Date	Des	Dwn	Chk	Description

**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**EXISTING CONDITIONS AND DEMOLITION PLAN**  
**STA EX.3+000 - EX.3+377**

Project No. **21.2311.002** Drawing No. **C-101** Rev. **0**  
 Group **CIVIL**

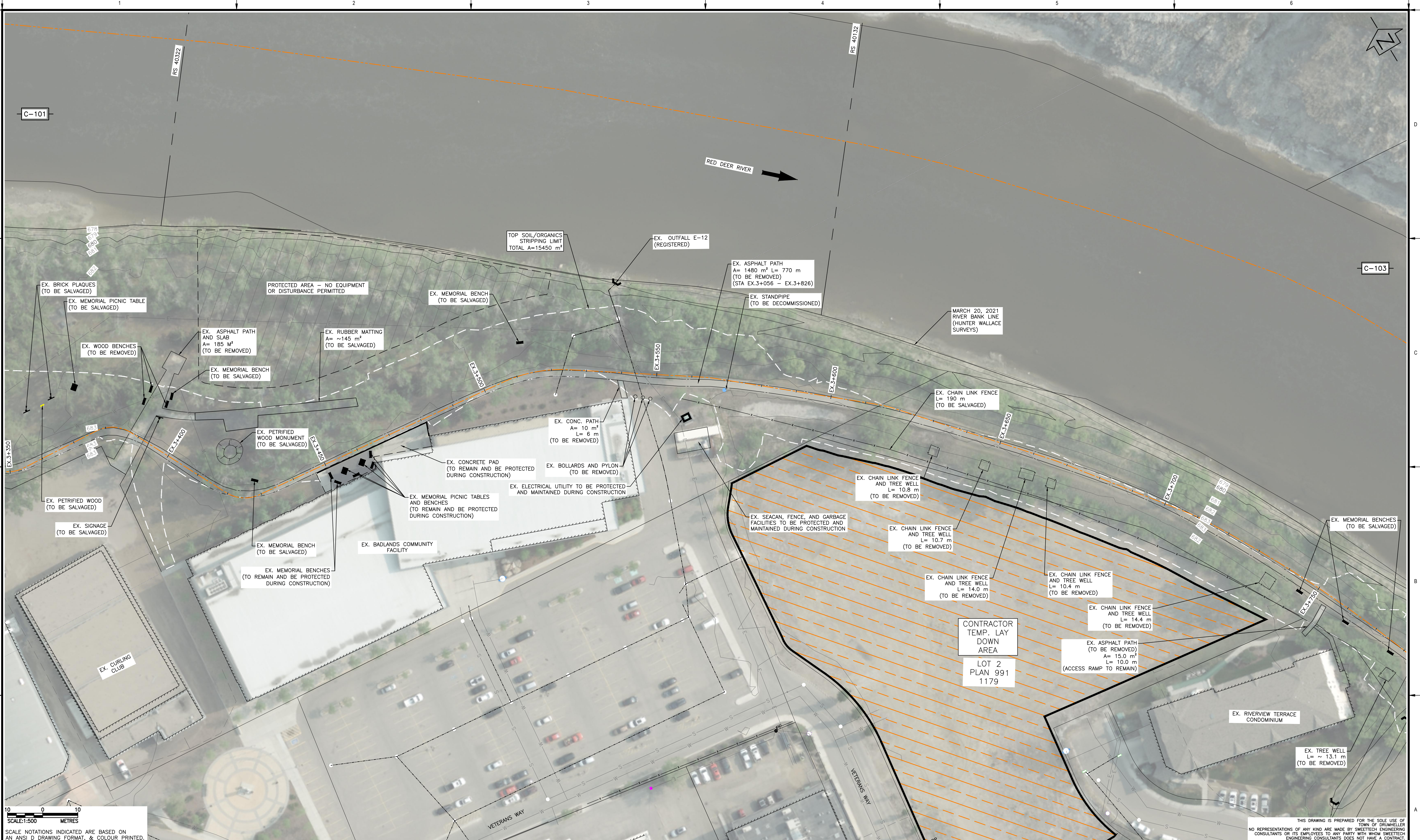
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SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

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Rev	Date	Des	Dwn	Chk	Description
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Rev	Date	Des	Dwn	Chk	Description

**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**EXISTING CONDITIONS AND DEMOLITION PLAN**  
**STA EX.3+377 - EX.3+737**

Project No. **21.2311.002**      Drawing No. **C-102**      Rev. **0**

Group **CIVIL**

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 1963401 ALBERTA LTD.  
 REG. AREA: # 69046  
 DATE: 09/15/2022  
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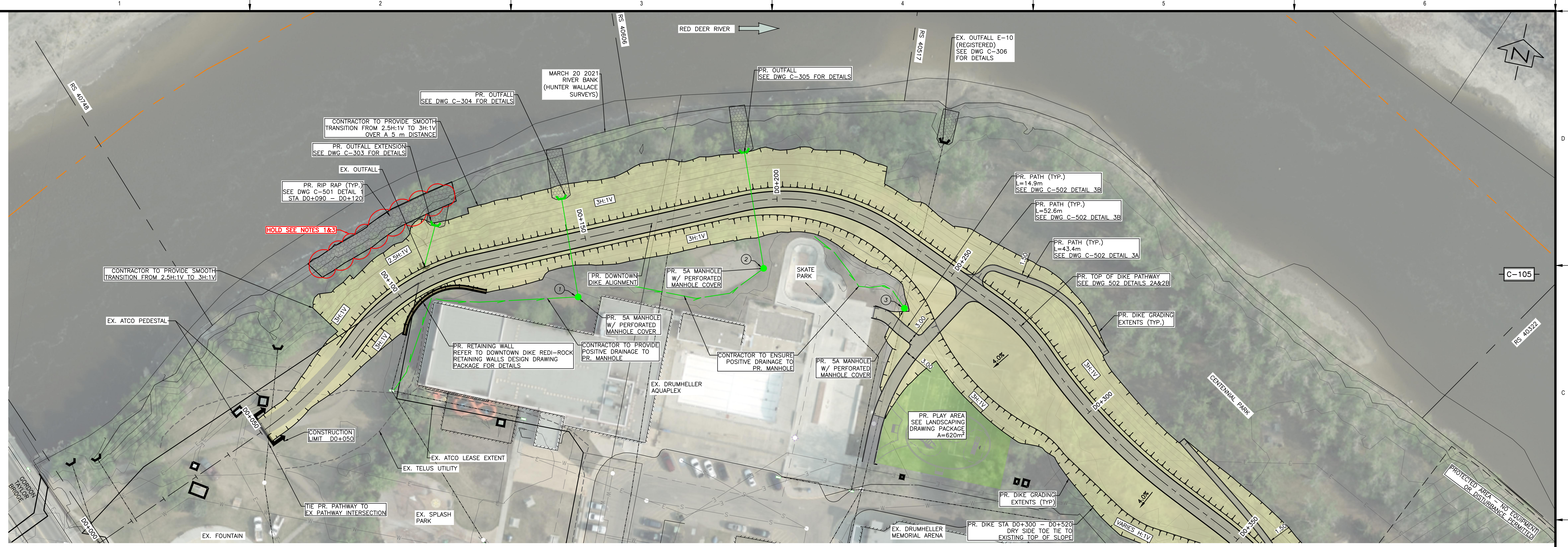
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**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**EXISTING CONDITIONS AND DEMOLITION PLAN**  
**STA EX.3+737 - EX.3+826**

Project No. **21.2311.002**      Drawing No. **C-103**      Rev. **0**  
 Group **CIVIL**



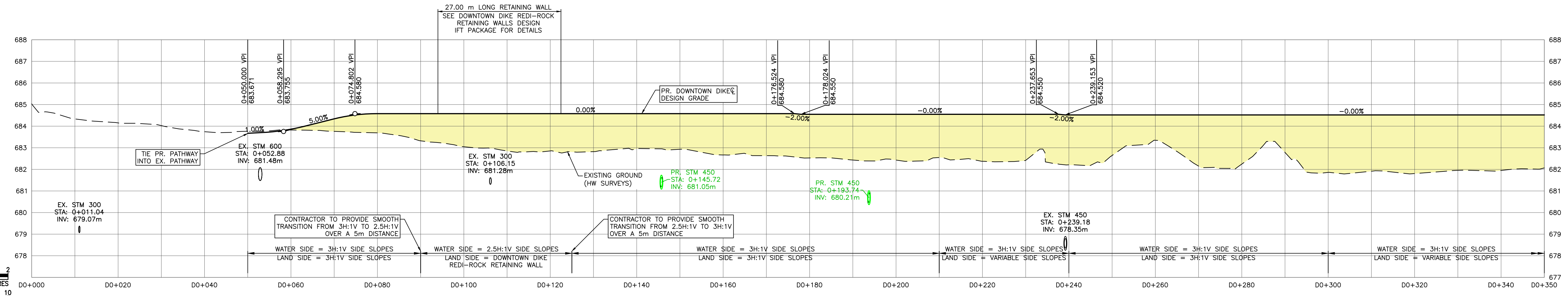
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 SCALE:1:100  
 SCALE:1:500  
 SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED



PLAN  
SCALE = 1:500

- NOTES:
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. PROVIDE SMOOTH TRANSITION OVER 5m DISTANCE WHEN DIKE SLOPES CHANGE.
  3. NO ENCROACHMENT OR CONSTRUCTION WITHIN AREAS MARKED HOLD UNTIL HOLD IS LIFTED BY ENGINEER.

PVI STA:0+058.295 PVI ELEV:683.755 K:2.503 LVC:10.000	PVI STA:0+074.802 PVI ELEV:684.580 K:2.000 LVC:10.000
BVC: 0+053.295 EVC: 683.704	BVC: 0+069.802 EVC: 684.330
BVC: 0+063.295 EVC: 684.005	BVC: 0+079.802 EVC: 684.580



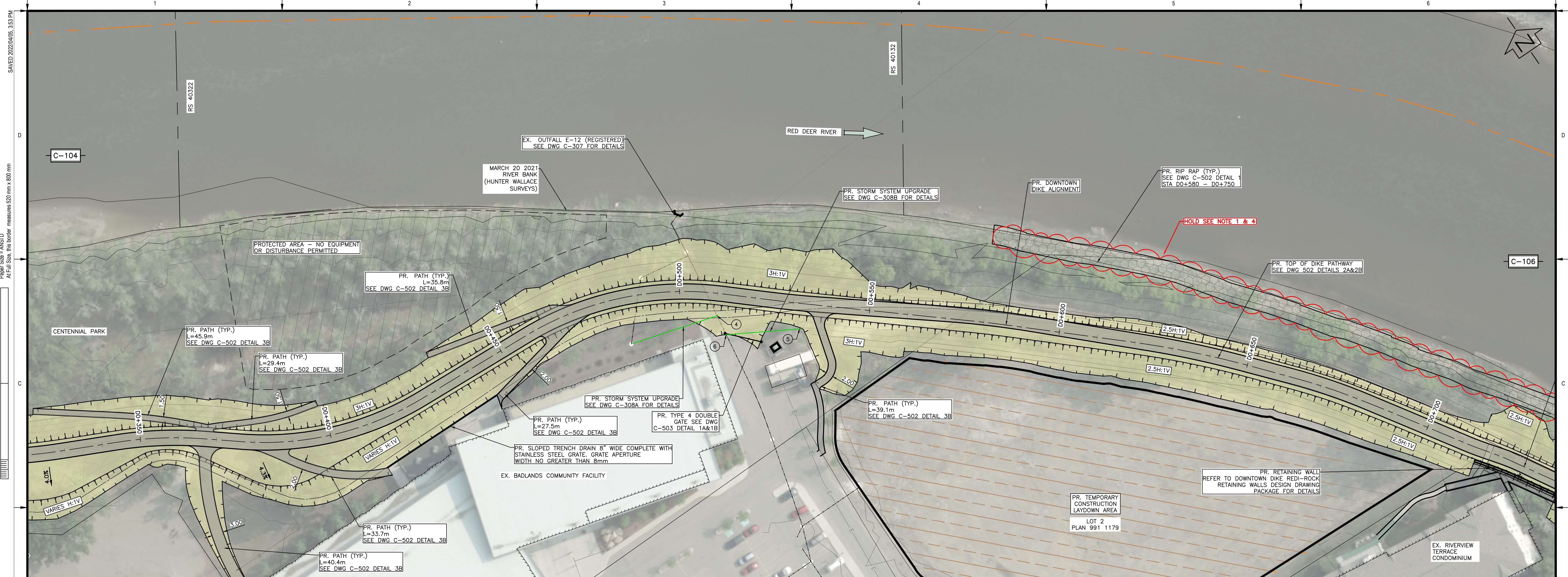
DOWNTOWN DIKE PROFILE  
SCALE = H=1:500 V=1:100



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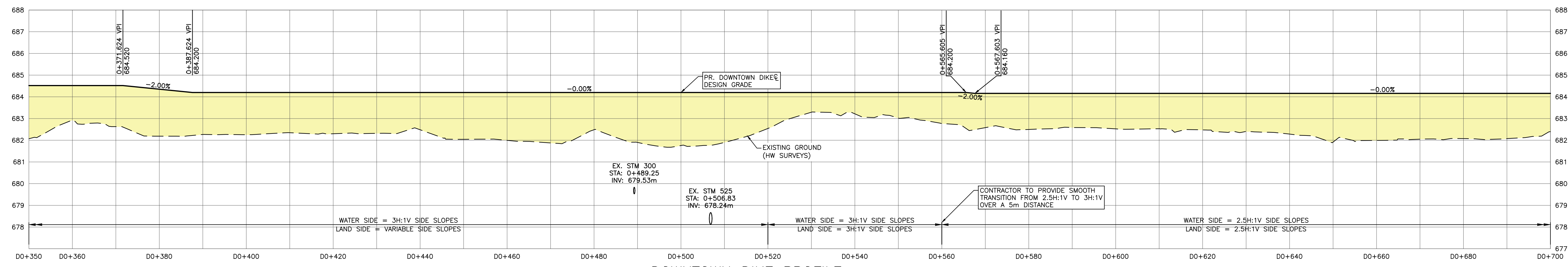
TOWN OF DRUMHELLER  
 DOWNTOWN DIKE - PHASE 1  
 PLAN & PROFILE D0+000 TO D0+350

Project No. **21.2311.002**  
 Group **CIVIL**  
 Drawing No. **C-104**  
 Rev. **0**

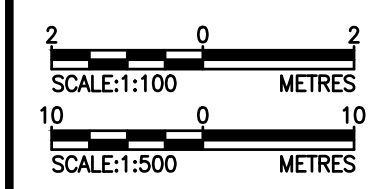


PLAN  
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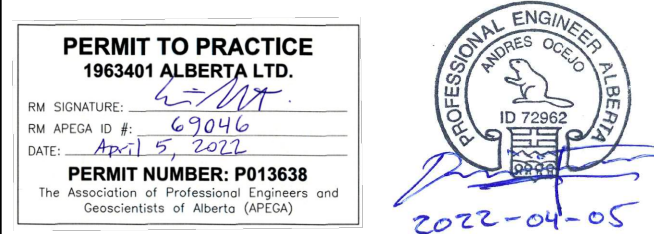
- NOTES:
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. PROVIDE SMOOTH TRANSITION OVER 5 m DISTANCE, WHEN DIKE SLOPES CHANGE.
  3. ACCESS TO CONSTRUCTION LAYDOWN AREA IS VIA VETERANS WAY ONLY.
  4. NO ENCROACHMENT OR CONSTRUCTION WITHIN AREAS MARKED AS HOLD UNTIL HOLD IS LIFTED BY ENGINEER.



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



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



Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
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**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**PLAN & PROFILE D0+350 TO D0+700**

Project No. **21.2311.002** Drawing No. **C-105** Rev. **0**  
Group **CIVIL**

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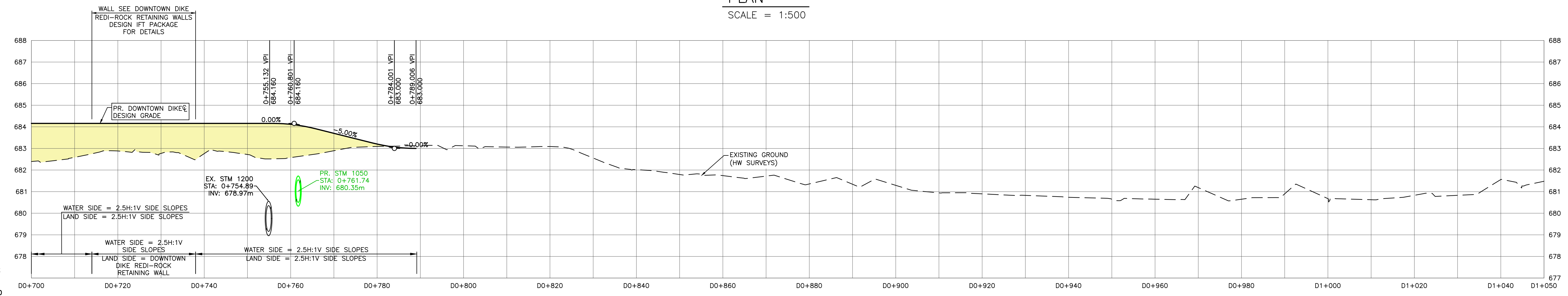
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SCALE: 1:500  
METRES



PLAN

SCALE = 1:500

- NOTES:
1. PERMITS (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

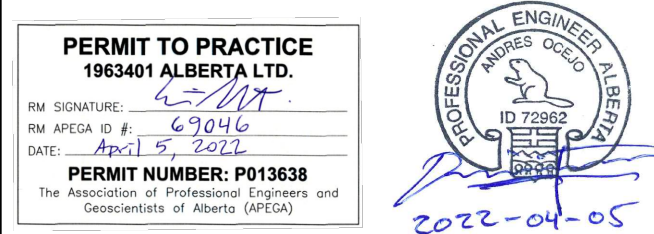
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SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.

THIS DRAWING IS PREPARED FOR THE SOLE USE OF 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.

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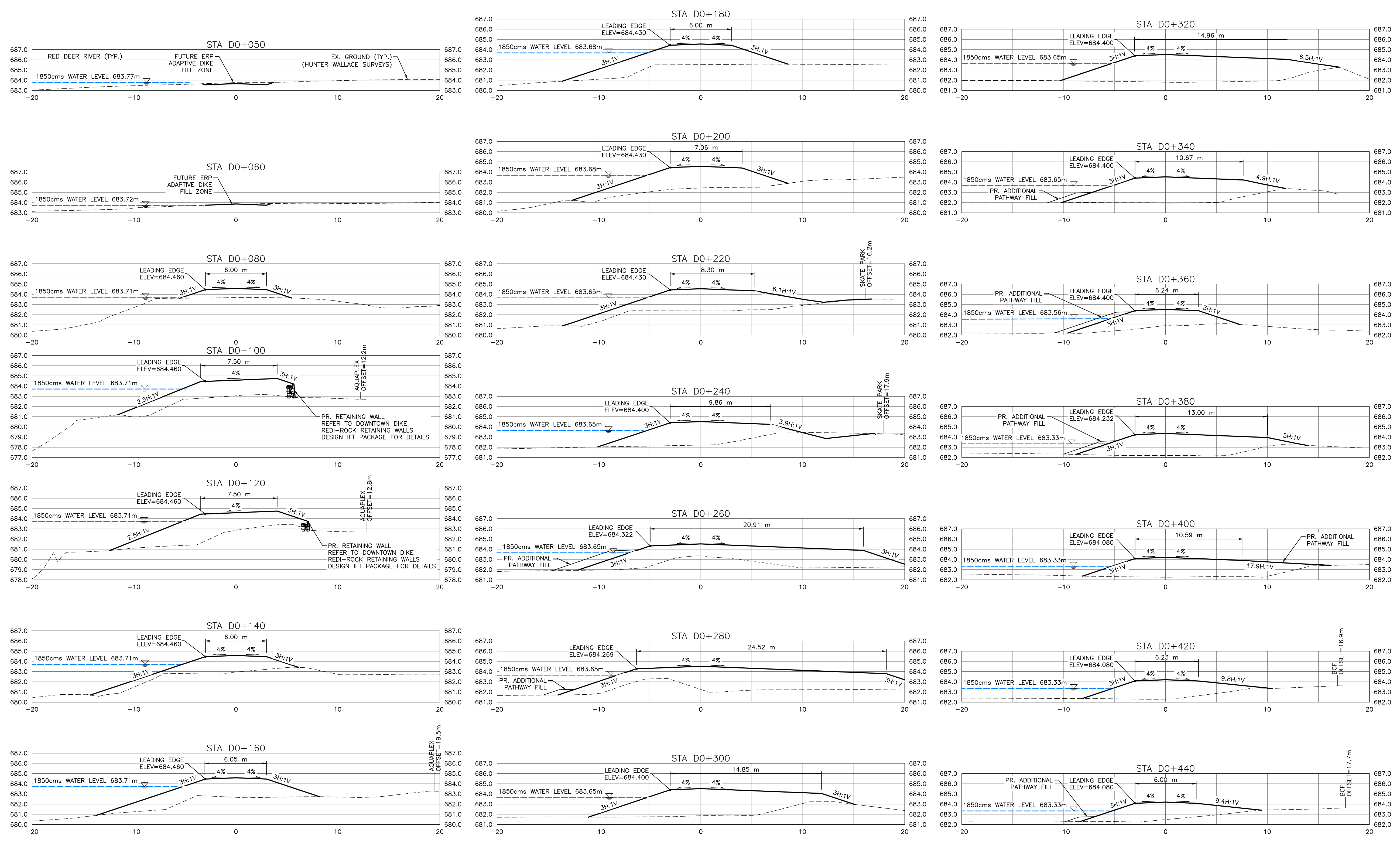


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**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**PLAN & PROFILE D0+700 TO D1+050**

Project No. **21.2311.002**      Drawing No. **C-106**      Rev. **0**  
Group **CIVIL**

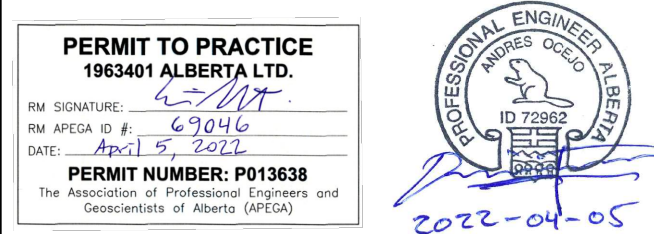
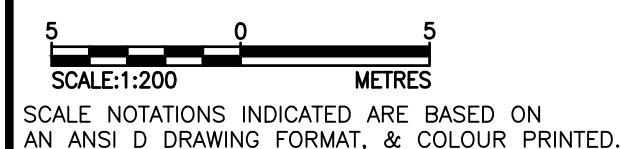
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**NOTES:**

1. PROPOSED RIPRAP BANK STABILIZATION NOT SHOWN FOR CLARITY.
2. 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)
3. 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-502 2A/2B FOR ASPHALT PATHWAY STRUCTURE).

**CROSS SECTIONS**  
1:200



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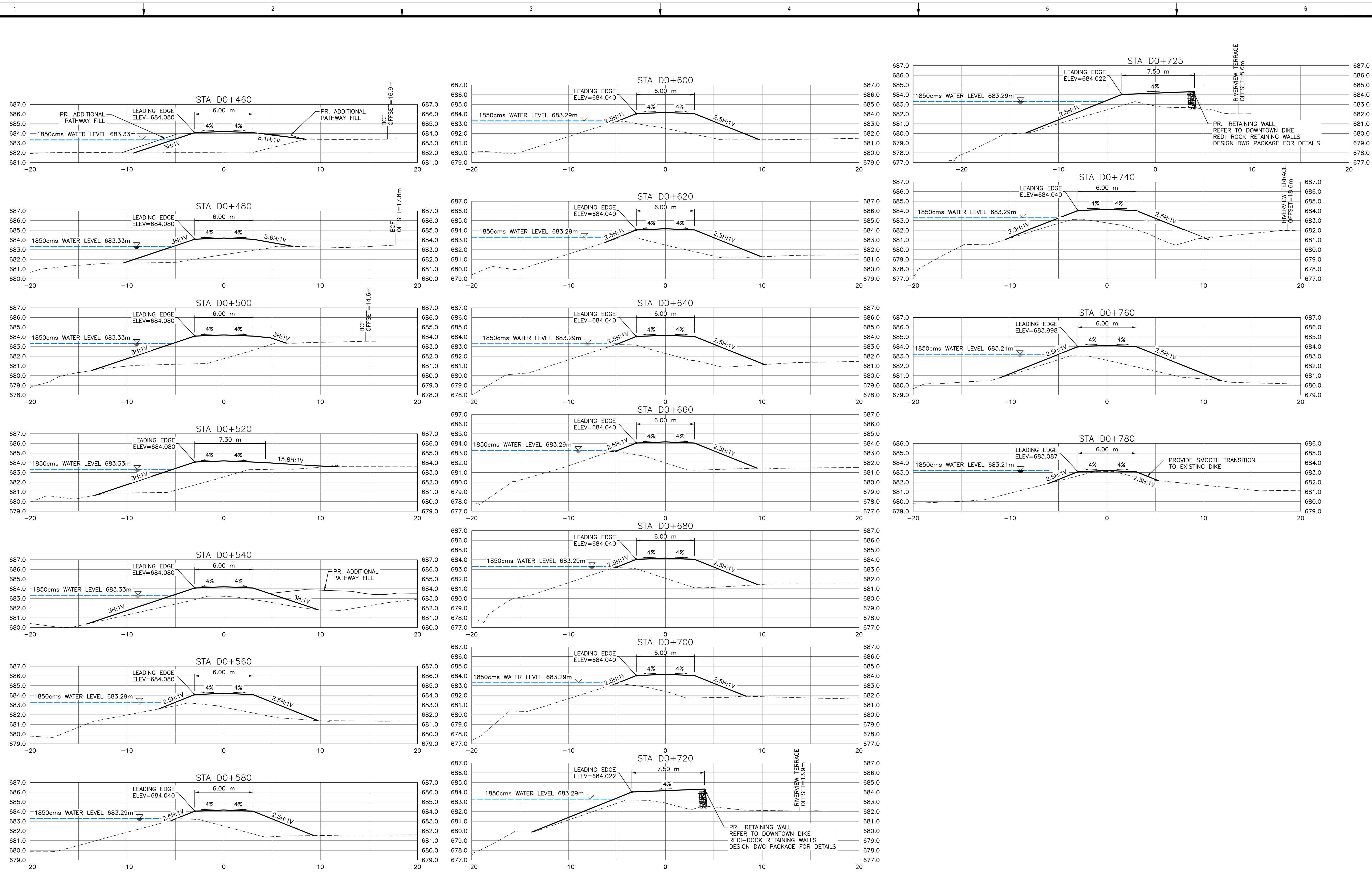
Rev	Date	Des	Dwn	Chk	Description

**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**CROSS SECTIONS 1**

Project No. **21.2311.002**      Drawing No. **C-301**      Rev. **0**  
Group **CIVIL**

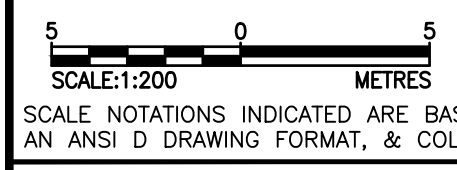
THIS DRAWING IS PREPARED FOR THE SOLE USE OF TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

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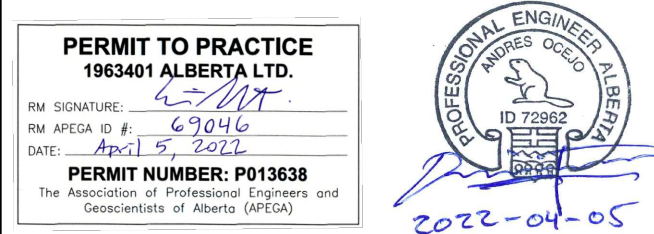


- NOTES:**
1. PROPOSED RIPRAP BANK STABILIZATION NOT SHOWN FOR CLARITY.
  2. PROPOSED DOWNTOWN DIKE RETAINING WALL HAND RAILS NOT SHOWN FOR CLARITY. (RETAINING WALL REFER TO DOWNTOWN DIKE RETI-ROCK RETAINING WALL DWG PACKAGE FOR DETAILS).
  3. PR. ASPHALT PATHWAY NOT SHOWN FOR CLARITY. ASPHALT PATHWAY (T) TO BE FIELD FIT AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION (SEE DETAIL DWG C-502.2A/2B FOR ASPHALT PATHWAY STRUCTURE).

**CROSS SECTIONS**  
1:200



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



Rev	Date	Des	Dwn	Chk	Description
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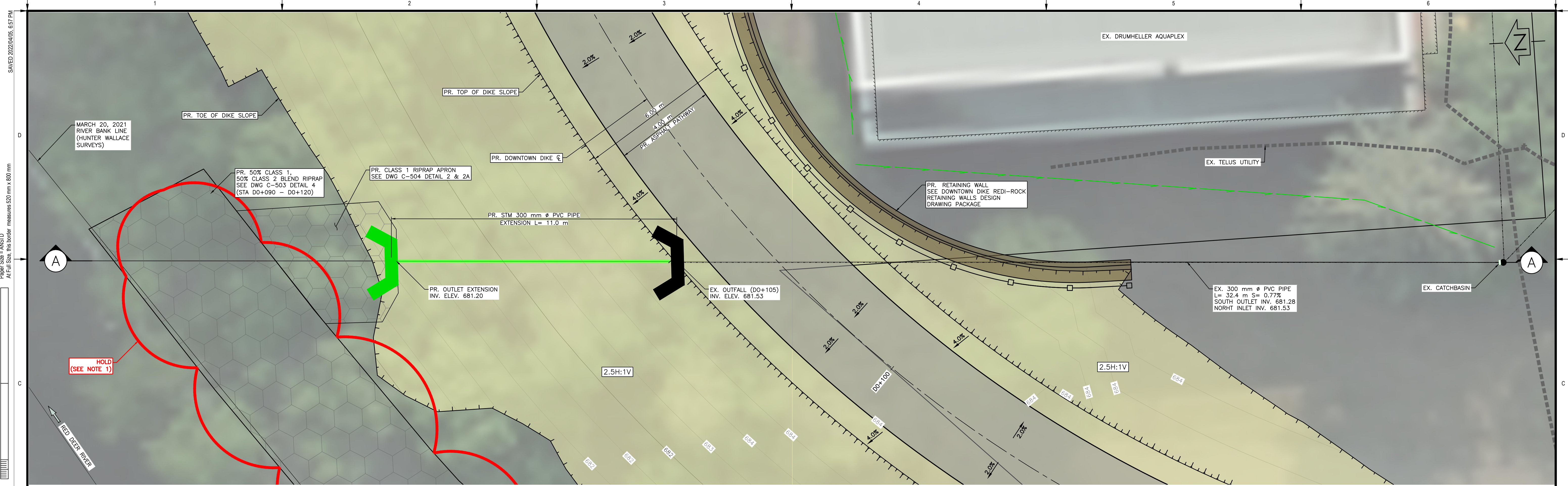
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**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**CROSS SECTIONS 2**

Project No. **21.2311.002**      Drawing No. **C-302**      Rev. **0**

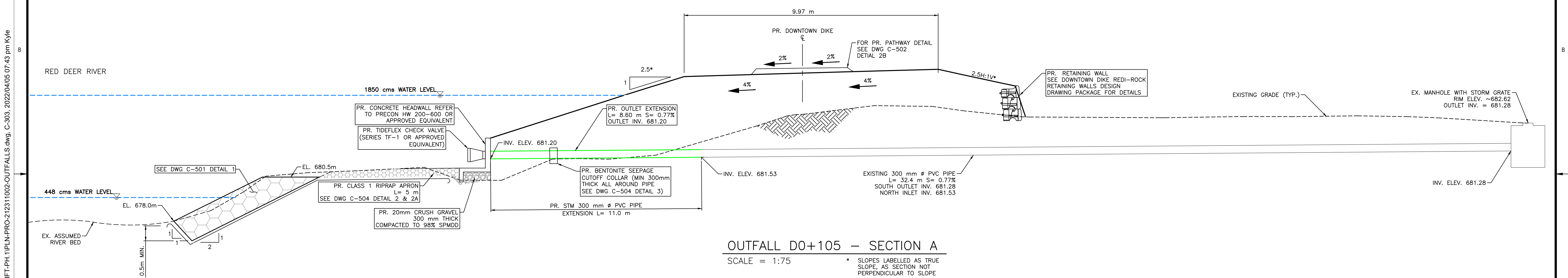
Group **CIVIL**

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OUTFALL D0+105 - PLAN  
SCALE = 1:75

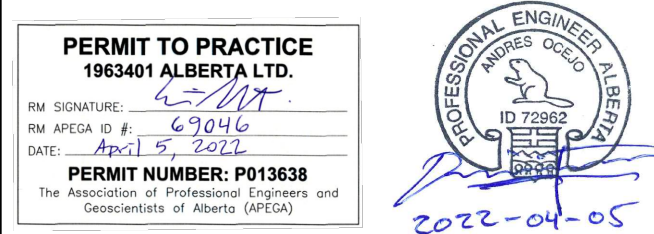
- NOTES:
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



OUTFALL D0+105 - SECTION A  
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.



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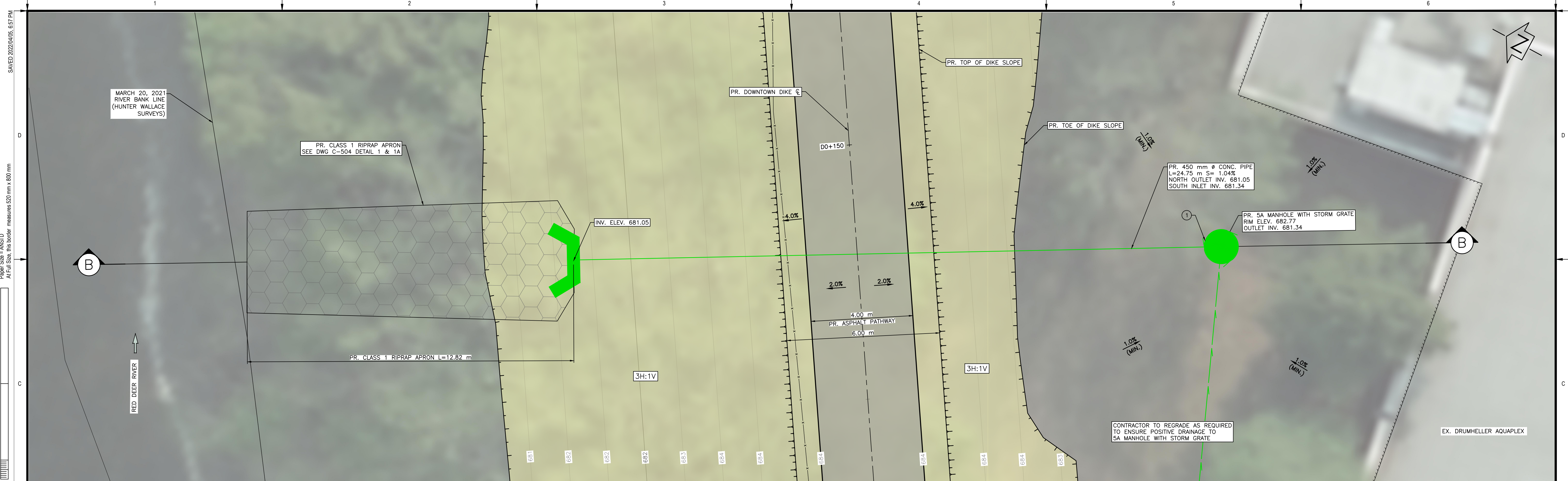
  

<b>TOWN OF DRUMHELLER</b>											
<b>DOWNTOWN DIKE - PHASE 1</b>											
<b>STORM OUTFALL D0+105</b>											
Project No. <b>21.2311.002</b>										Drawing No.	
Group <b>CIVIL</b>										<b>C-303</b>	
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THIS DRAWING IS PREPARED FOR THE SOLE USE OF 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.

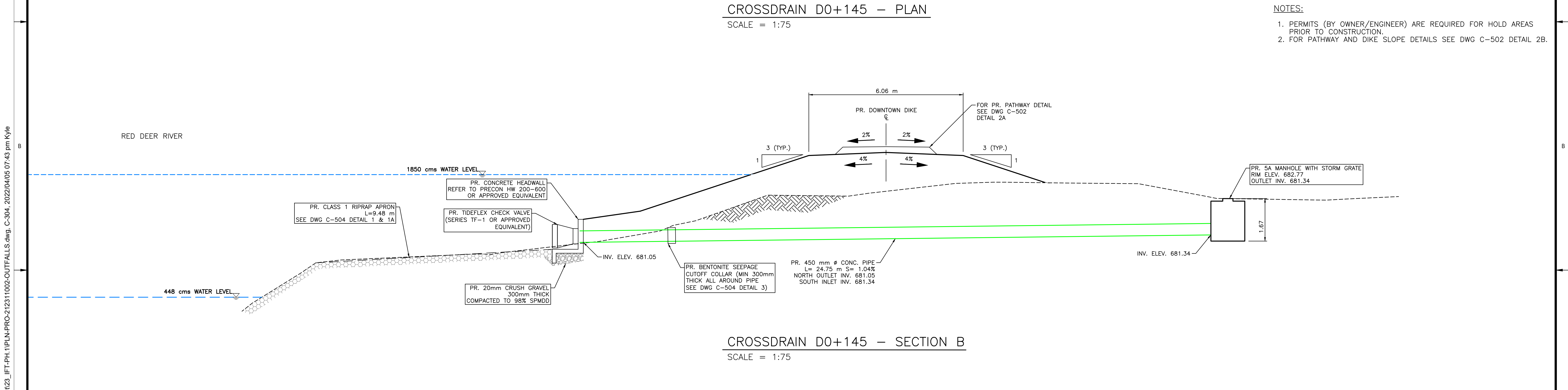
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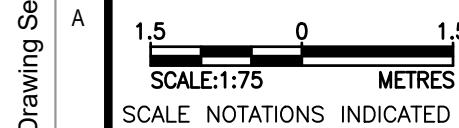


CROSSDRAIN D0+145 - PLAN  
SCALE = 1:75

- NOTES:
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



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



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

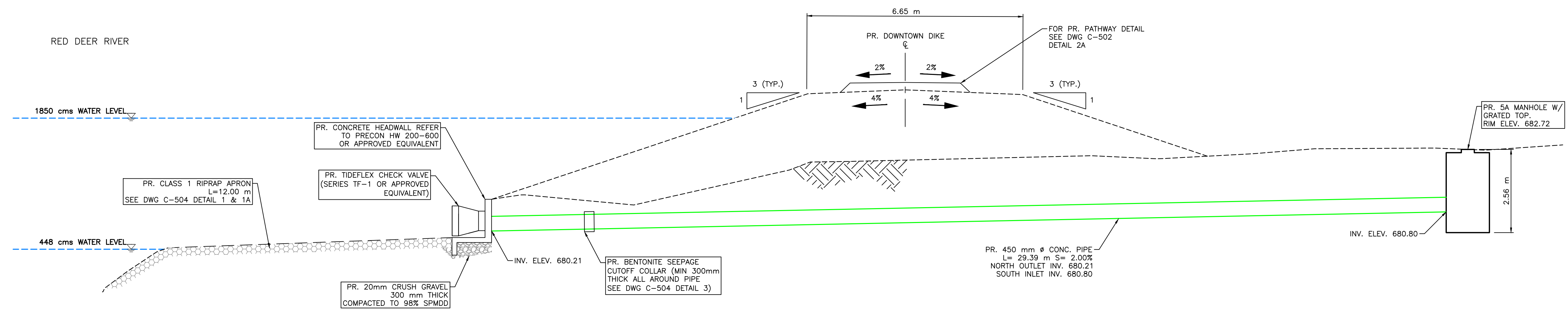
THIS DRAWING IS PREPARED FOR THE SOLE USE OF TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

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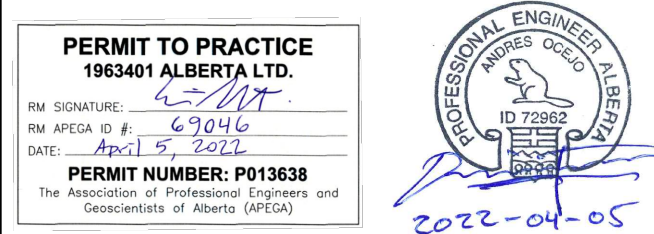
**CROSSDRAIN D0+193 - PLAN**  
SCALE = 1:75

- NOTES:**
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



**CROSSDRAIN D0+193 - SECTION C**  
SCALE = 1:75

Scale: 1:75 METRES  
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



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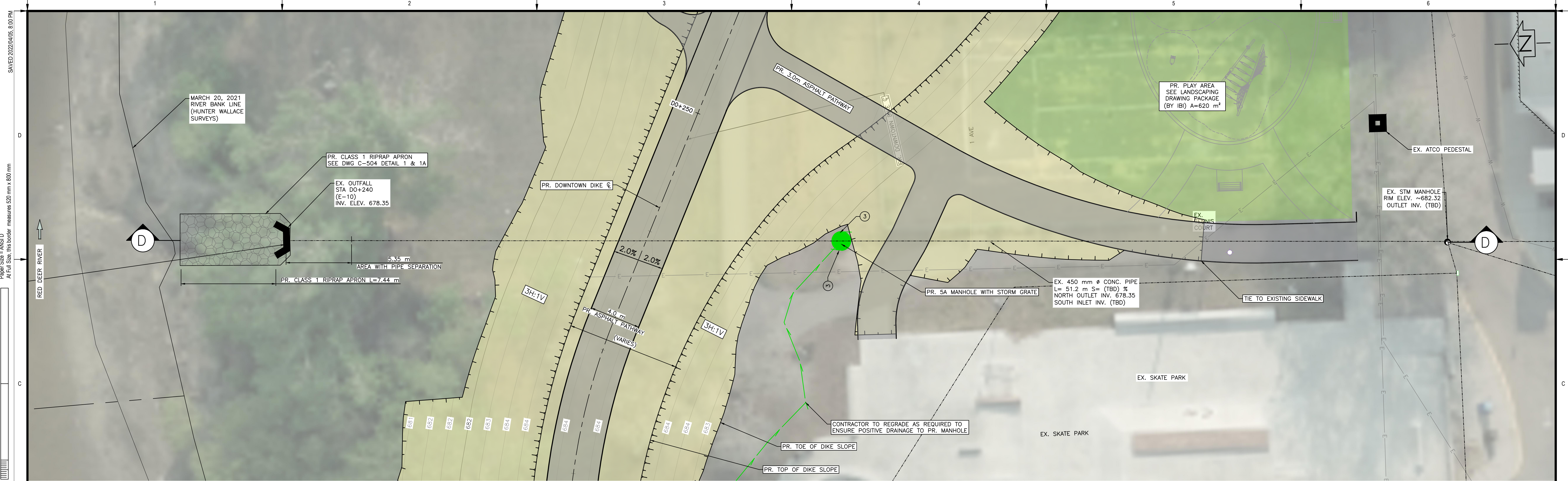
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<b>DOWNTOWN DIKE - PHASE 1</b>			
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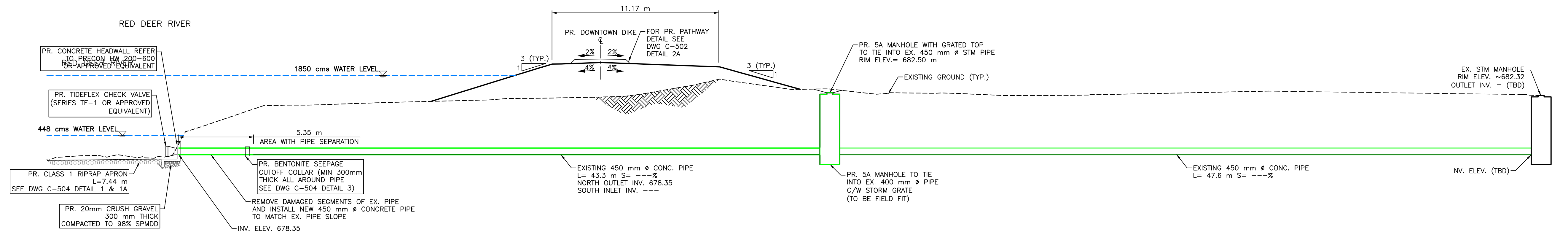
THIS DRAWING IS PREPARED FOR THE SOLE USE OF TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.





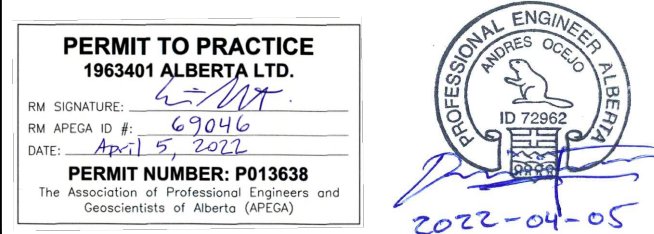
OUTFALL D0+240 -- PLAN  
SCALE = 1:150

- NOTES:
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



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

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



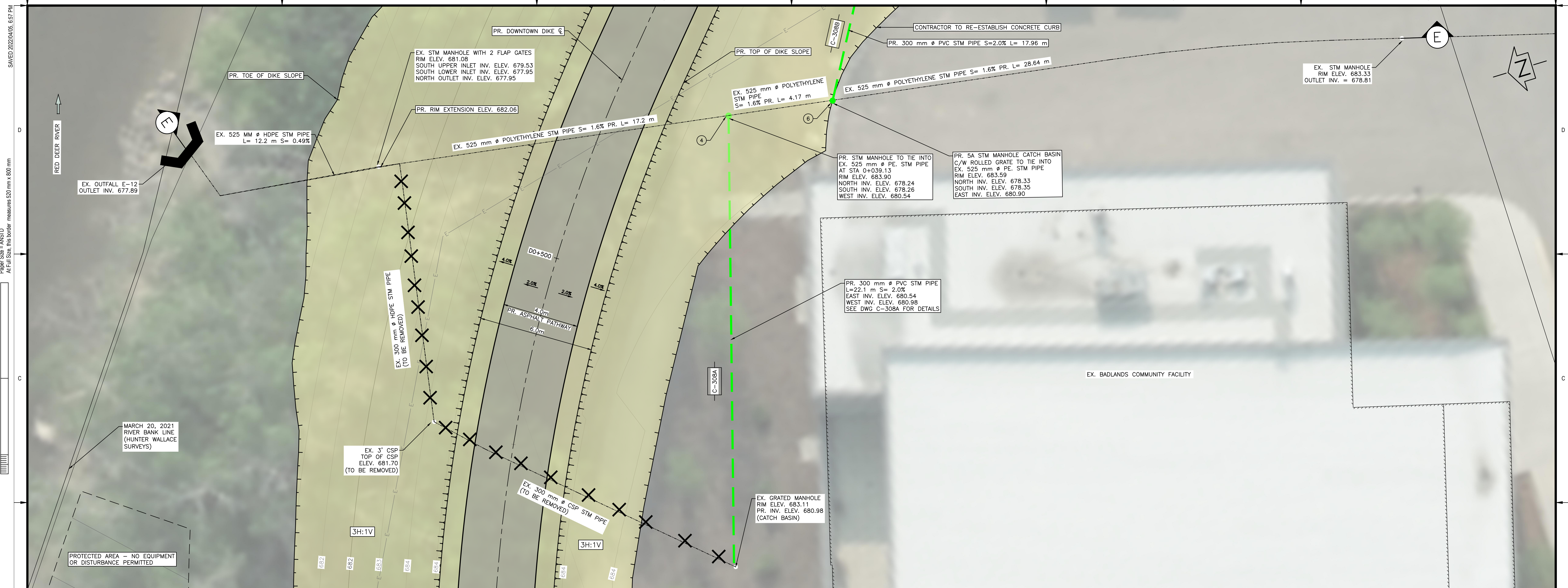
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**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**STORM OUTFALL D0+240**

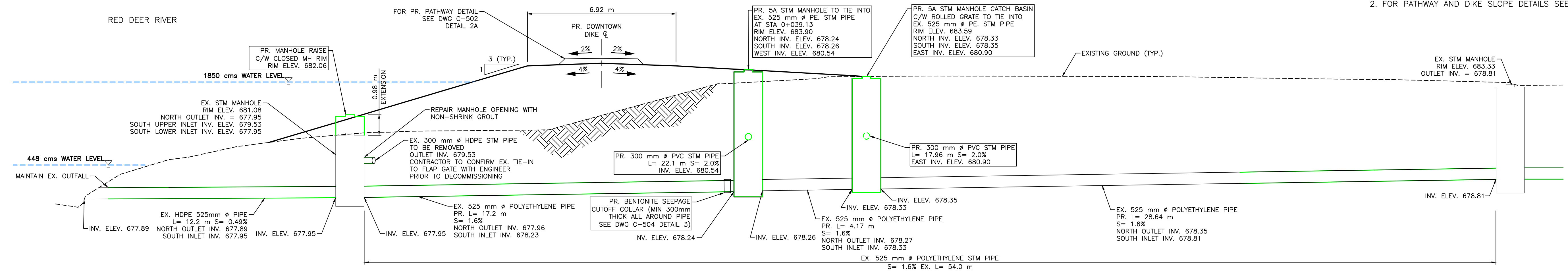
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Group **CIVIL**

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**OUTFALL D0+500 PLAN**  
SCALE = 1:100

- NOTES:**
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.

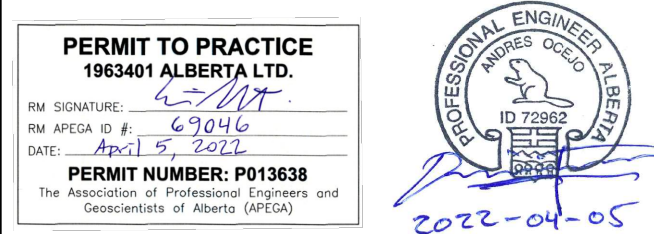


**OUTFALL D0+500 - SECTION E**  
SCALE = 1:100

SCALE: 1:100 METRES  
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED

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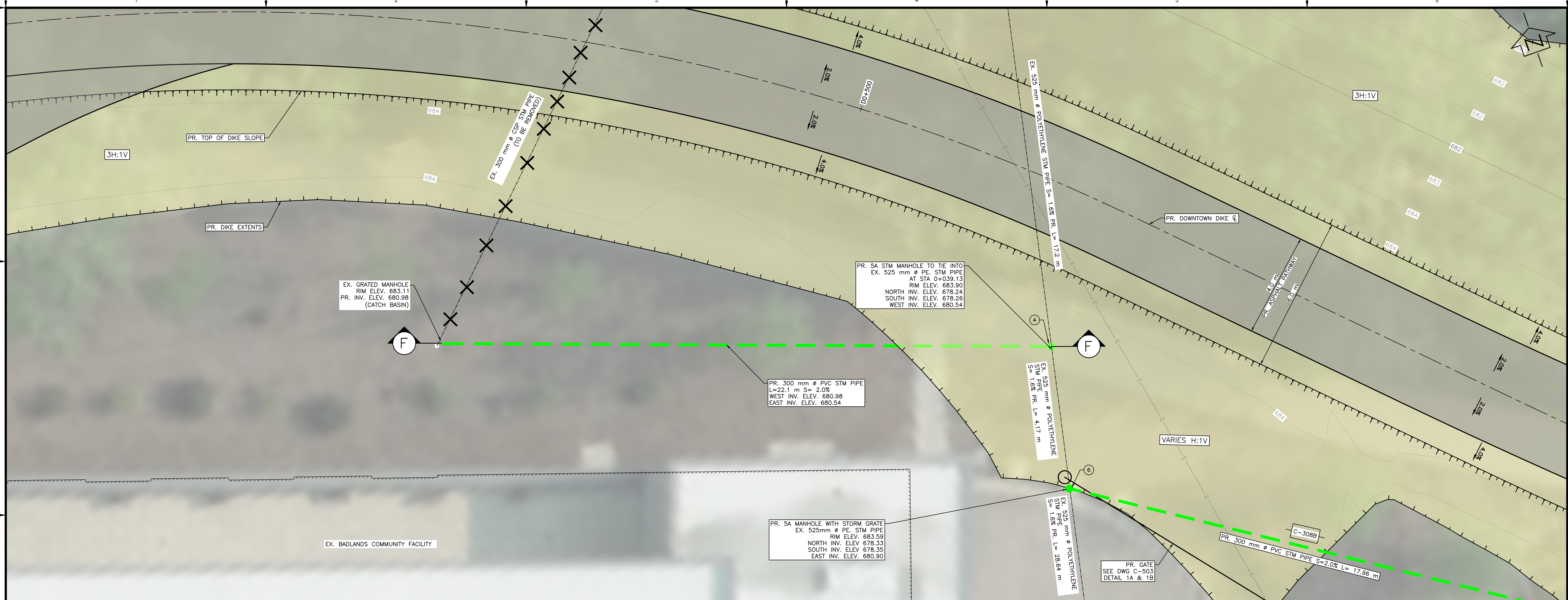


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**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**STORM OUTFALL D0+500**

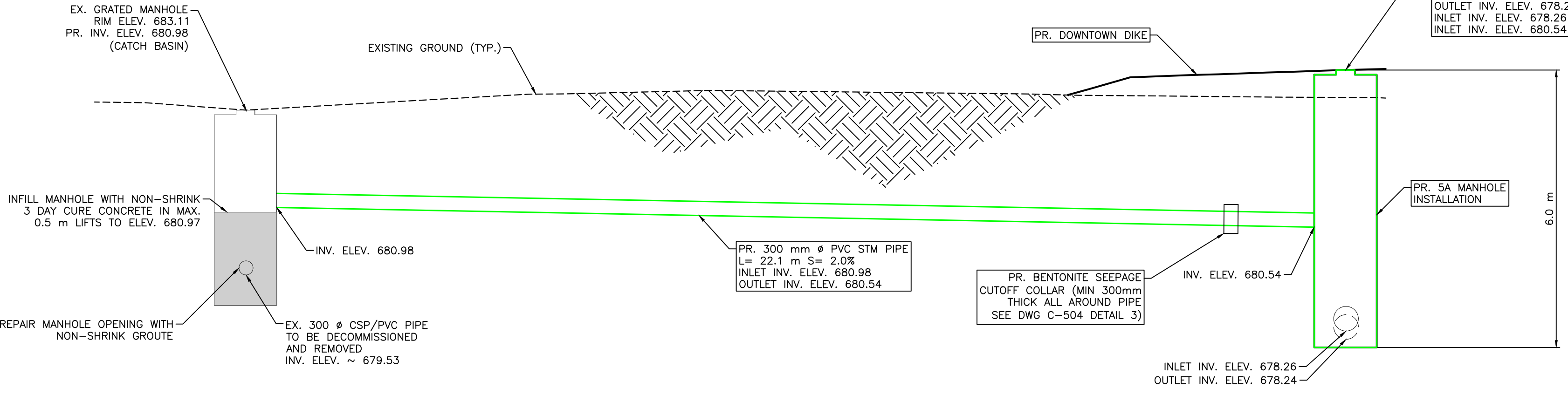
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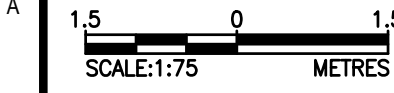


**D0+500 STM PIPE UPGRADE - PLAN**  
SCALE = 1:75

- NOTES:
- PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION
  - FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



**D0+500 STM PIPE UPGRADE - SECTION F**  
SCALE = 1:75



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

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**DRUMHELLER VALLEY**

**SWEETECH ENGINEERING CONSULTANTS**

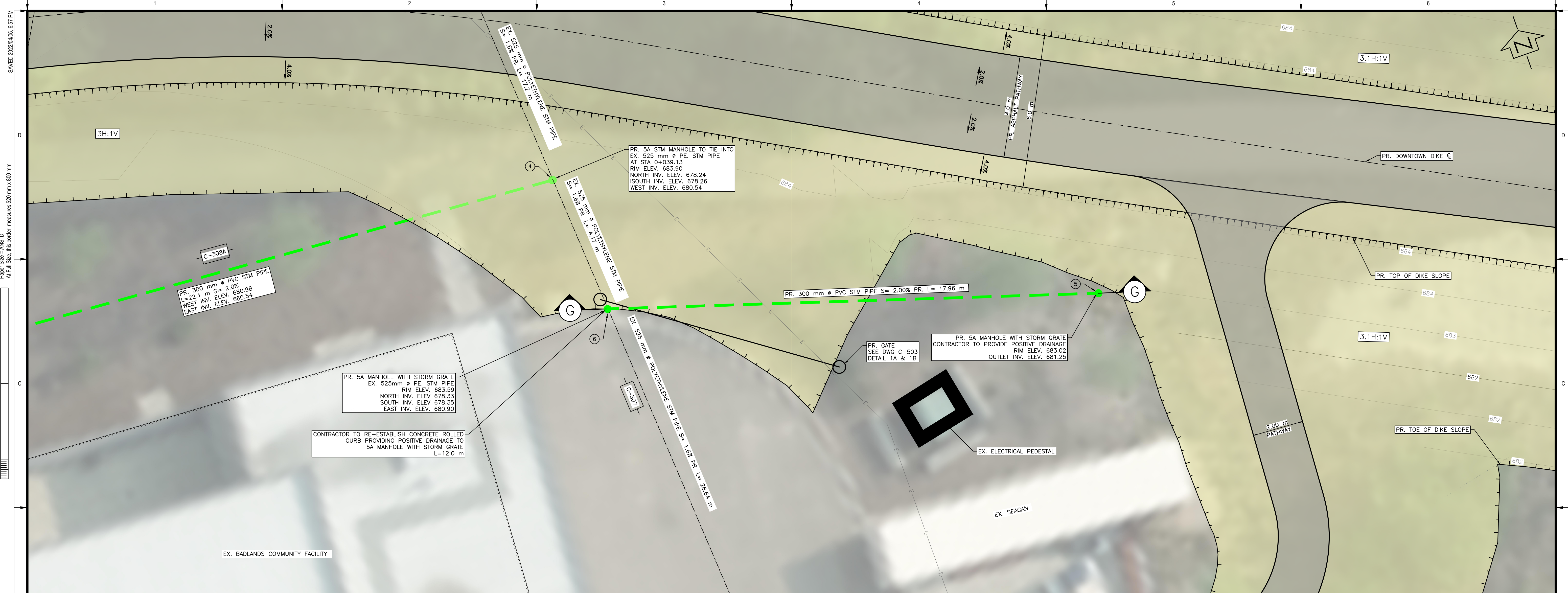
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PERMIT NUMBER: P013638  
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

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Rev	Date	Des	Dwn	Chk	Description

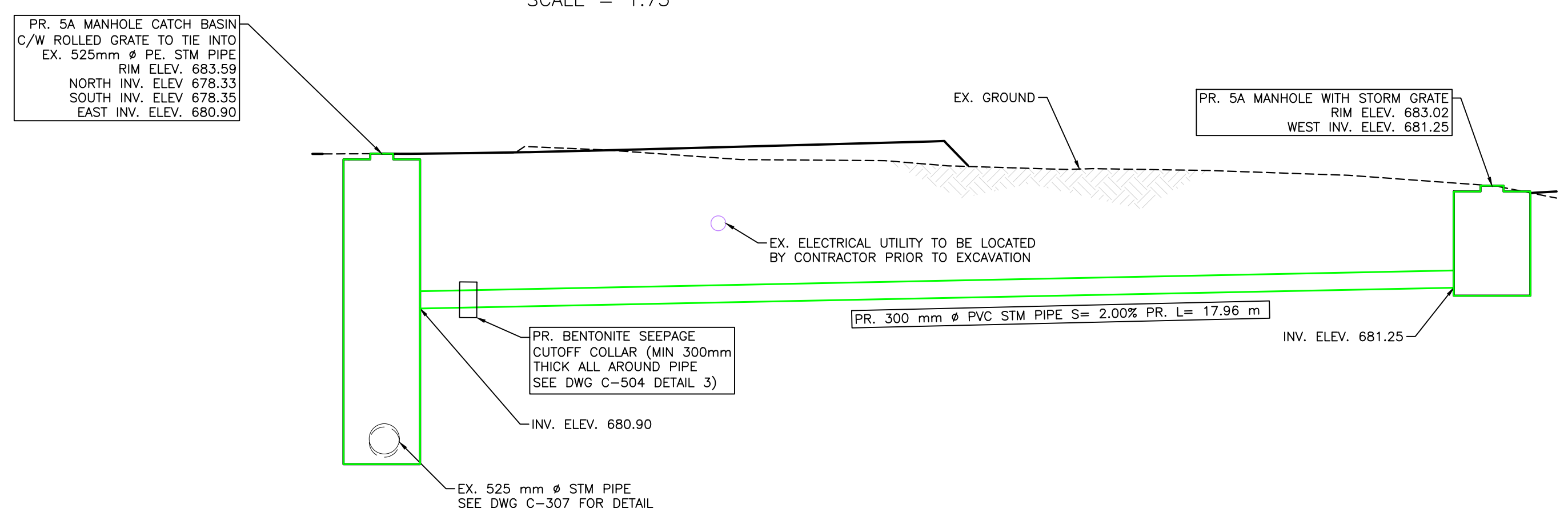
TOWN OF DRUMHELLER  
**DOWNTOWN DIKE - PHASE 1**  
**STORM OUTFALL D0+500 UPGRADE**

Project No. **21.2311.002** Drawing No. **C-308A** Rev. **0**  
Group **CIVIL**



**D0+500 STM PIPE UPGRADE – PLAN**  
SCALE = 1:75

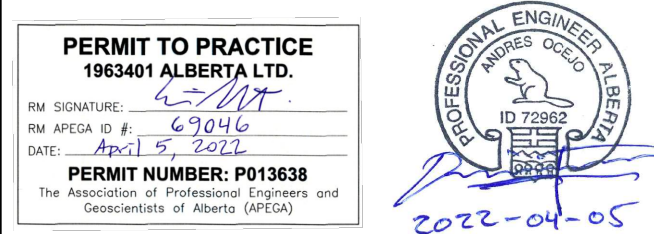
- NOTES:**
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



**D0+500 STM PIPE UPGRADE – SECTION G**  
SCALE = 1:75

1.5 0 1.5  
SCALE:1:75 METRES

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Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	22/04/05	AO	KS	ES/AS	ISSUED FOR TENDER						

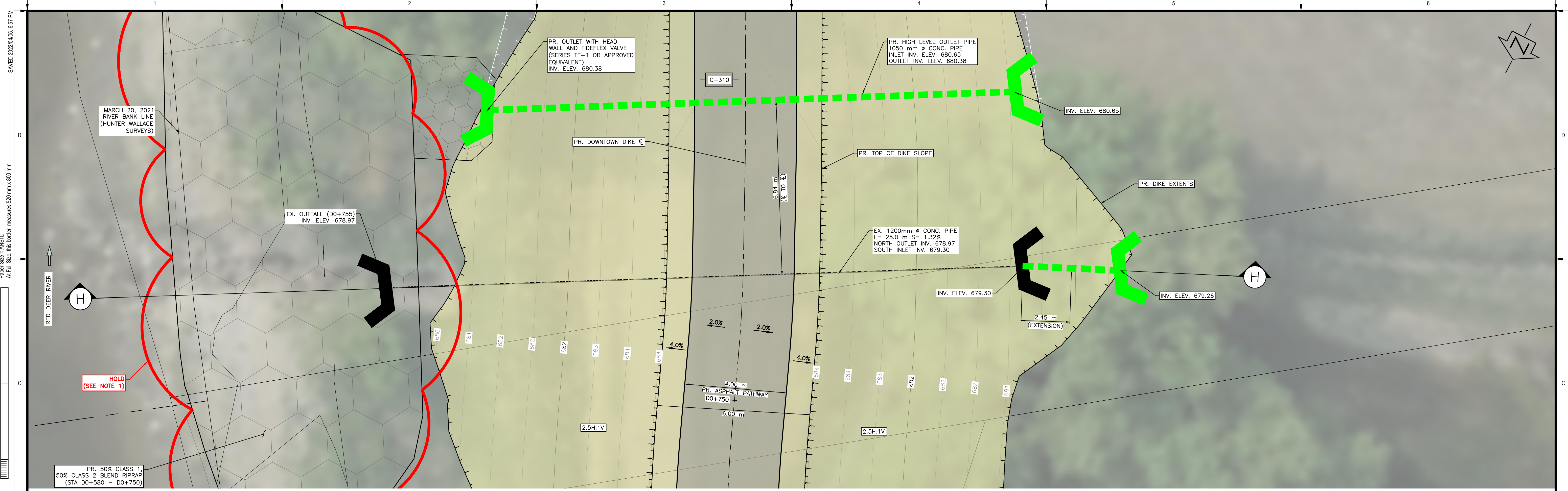
THIS DRAWING IS PREPARED FOR THE SOLE USE OF TOWN OF DRUMHELLER. NO REPRESENTATIONS OF ANY KIND ARE MADE BY SWEETTECH ENGINEERING CONSULTANTS OR ITS EMPLOYEES TO ANY PARTY WITH WHOM SWEETTECH ENGINEERING CONSULTANTS DOES NOT HAVE A CONTRACT.

**TOWN OF DRUMHELLER**  
**DOWNTOWN DIKE - PHASE 1**  
**STORM OUTFALL D0+500 UPGRADE**

Project No. **21.2311.002** Drawing No. **C-308B** Rev. **0**  
Group **CIVIL**

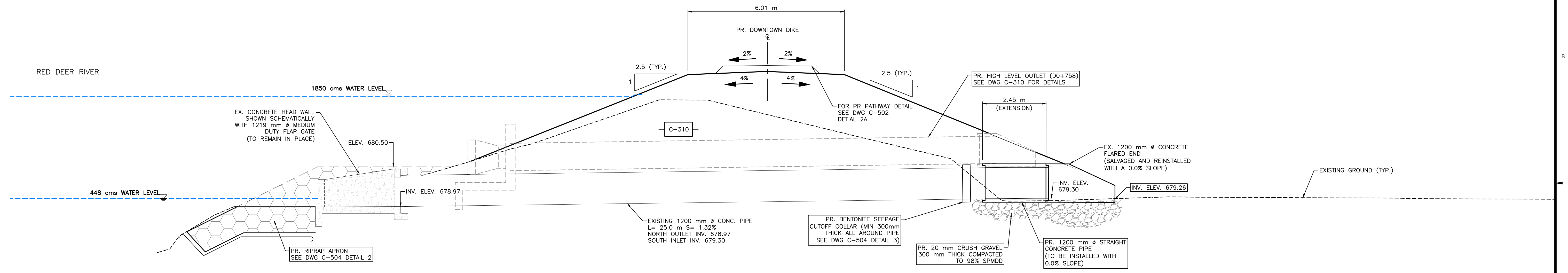
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SAVED: 2022/04/05, 6:57 PM



**OUTFALL D0+755 – PLAN**  
SCALE = 1:75

- NOTES:**
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



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

SCALE: 1:75 METRES  
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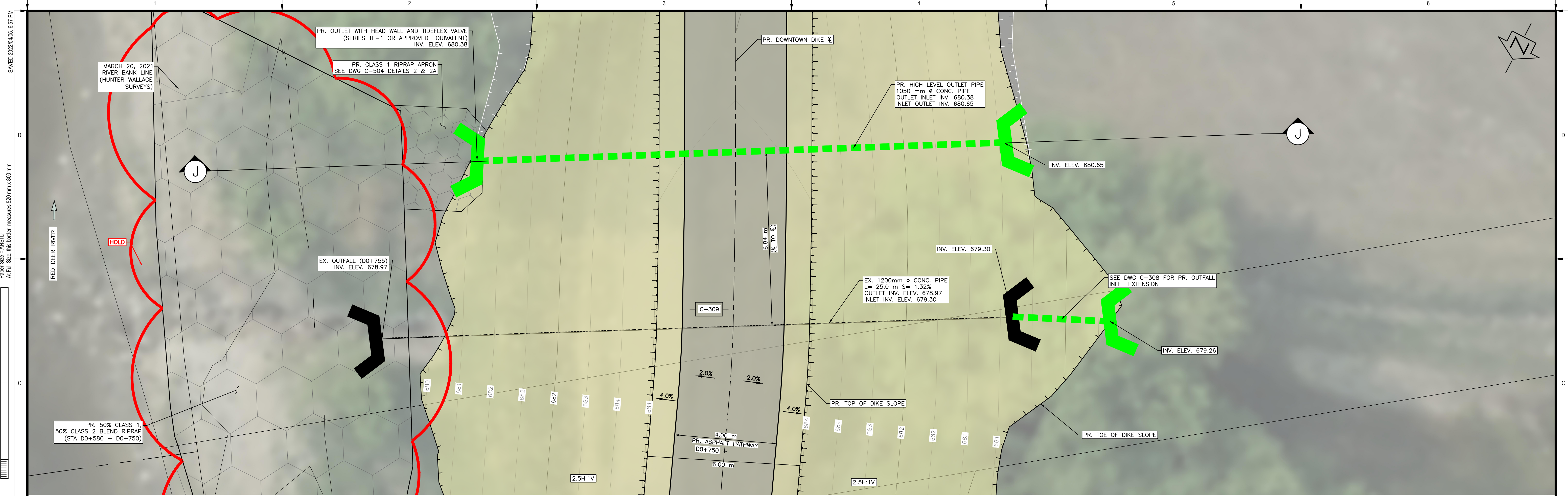
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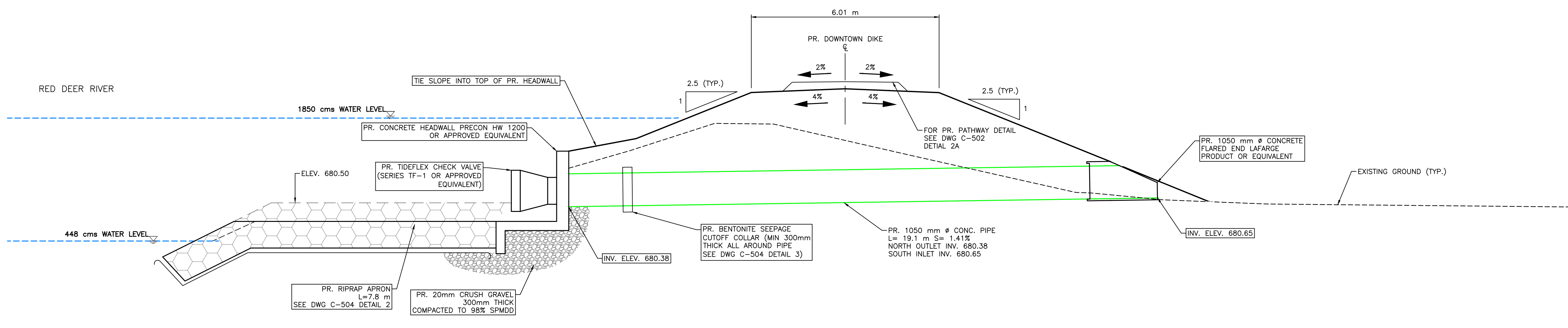
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0	22/04/05	AO	KS	ES/AS	ISSUED FOR TENDER						

<b>TOWN OF DRUMHELLER</b>	
<b>DOWNTOWN DIKE - PHASE 1</b>	
<b>STORM OUTFALL D0+755</b>	
Project No. <b>21.2311.002</b>	Drawing No. <b>C-309</b>
Group <b>CIVIL</b>	Rev. <b>0</b>



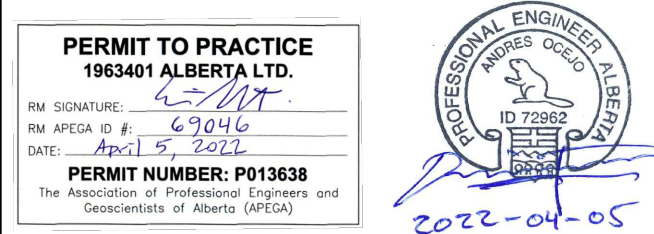
OUTFALL D0+762 - PLAN  
SCALE = 1:75

- NOTES:
1. PERMITS (BY OWNER/ENGINEER) ARE REQUIRED FOR HOLD AREAS PRIOR TO CONSTRUCTION.
  2. FOR PATHWAY AND DIKE SLOPE DETAILS SEE DWG C-502 DETAIL 2B.



OUTFALL D0+762 - SECTION J  
SCALE = 1:75

SCALE: 1:75 METRES  
SCALE NOTATIONS INDICATED ARE BASED ON AN ANSI D DRAWING FORMAT, & COLOUR PRINTED.



Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
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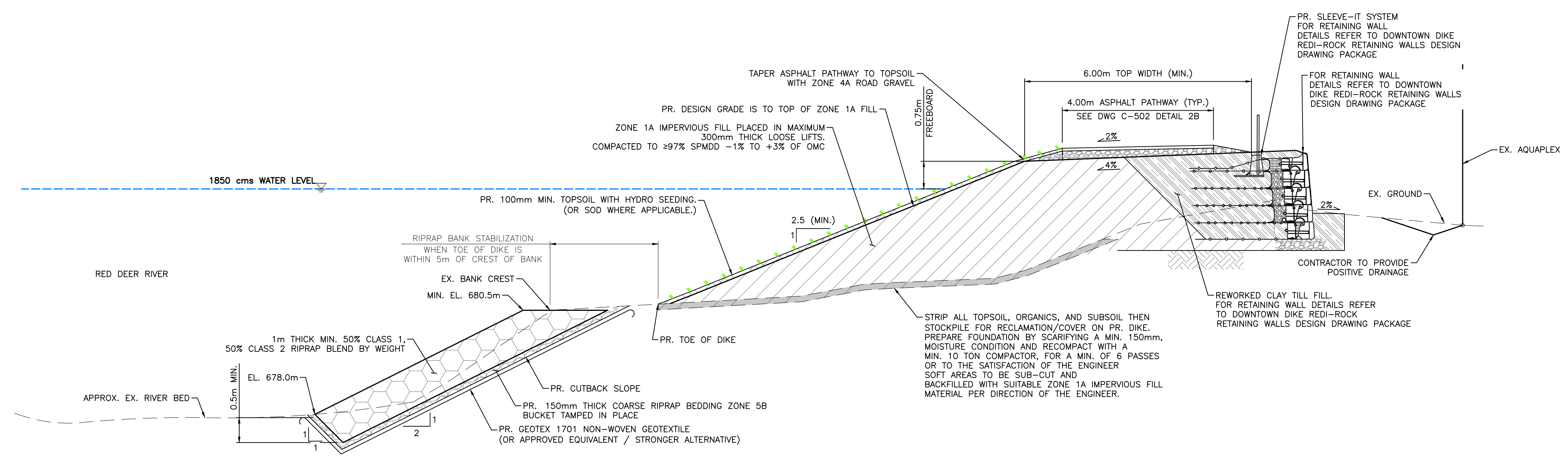
<b>TOWN OF DRUMHELLER</b>			
<b>DOWNTOWN DIKE - PHASE 1</b>			
<b>STORM HIGH LEVEL OUTLET D0+762</b>			
Project No.	21.2311.002	Drawing No.	
Group	CIVIL		
			<b>C-310 0</b>

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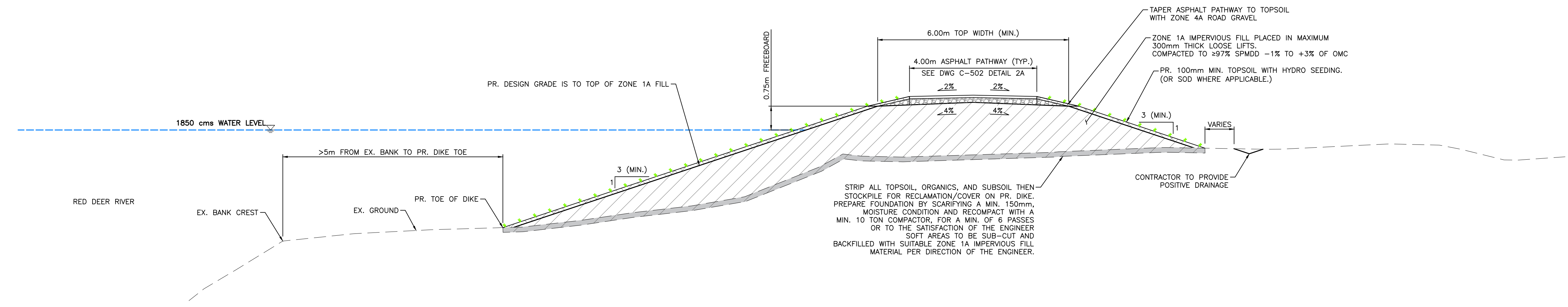
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SAVED: 2022/04/05, 7:32 PM

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



1 DOWNTOWN DIKE - (AQUAPLEX RETAINING WALL) SECTION  
 1:75



2 DOWNTOWN DIKE - 3H:1V SIDE SLOPES (WITH DRAINAGE) SECTION  
 1:75

1.5 0 1.5  
 SCALE: 1:75 METRES

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

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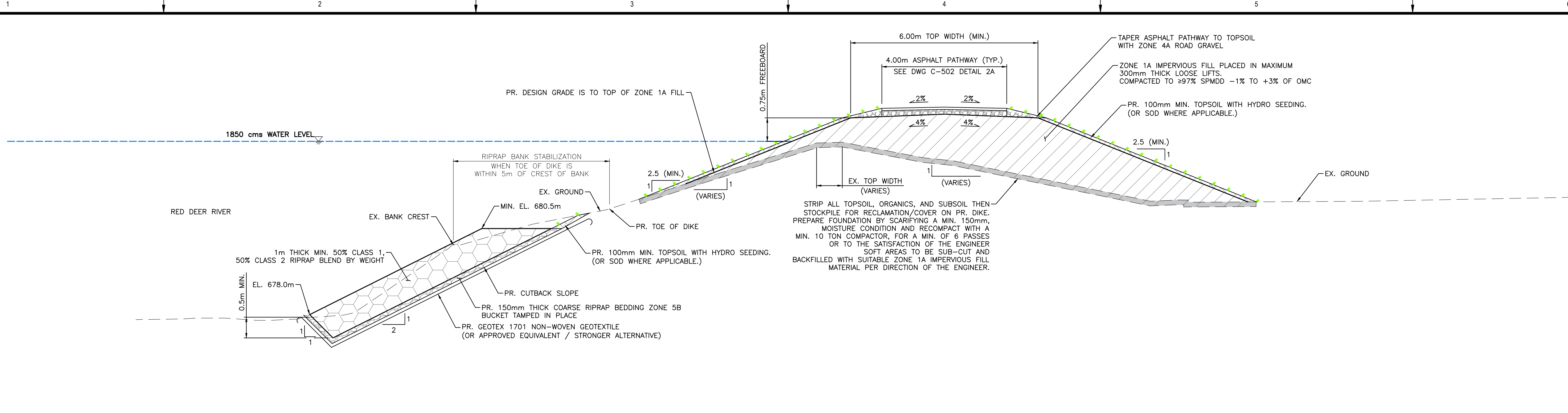
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<b>TOWN OF DRUMHELLER</b>			
<b>DOWNTOWN DIKE - PHASE 1</b>			
<b>DETAILS 1</b>			
Project No.	21.2311.002	Drawing No.	
Group	CIVIL		
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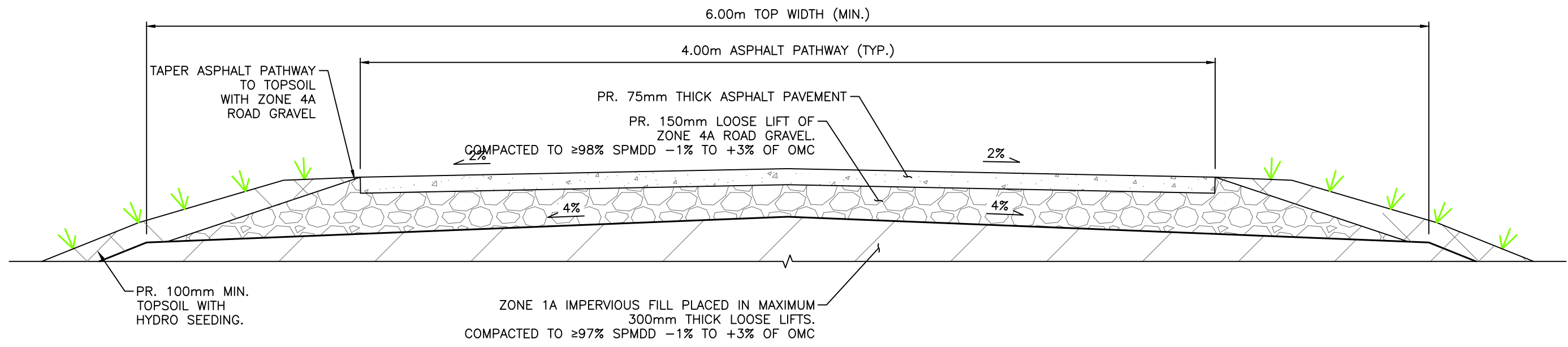
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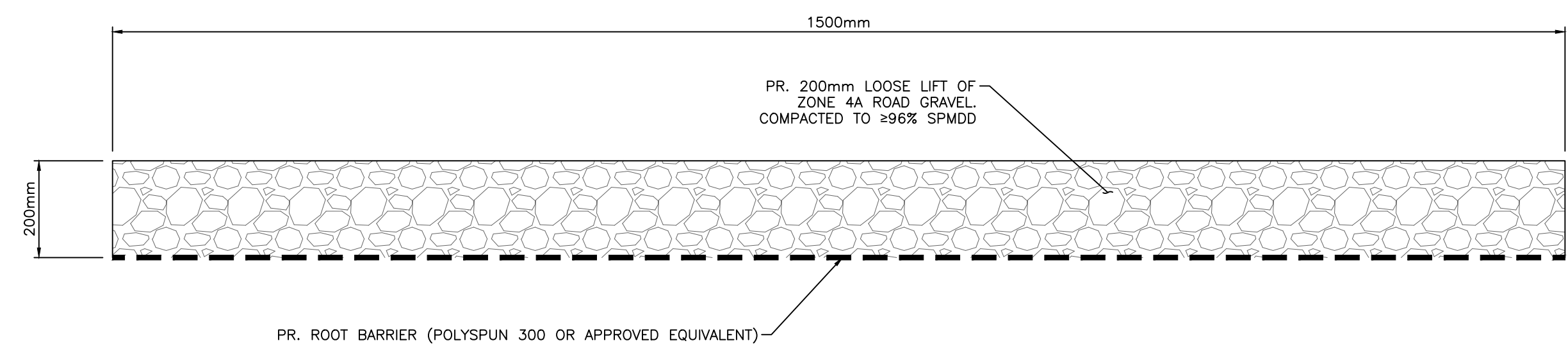
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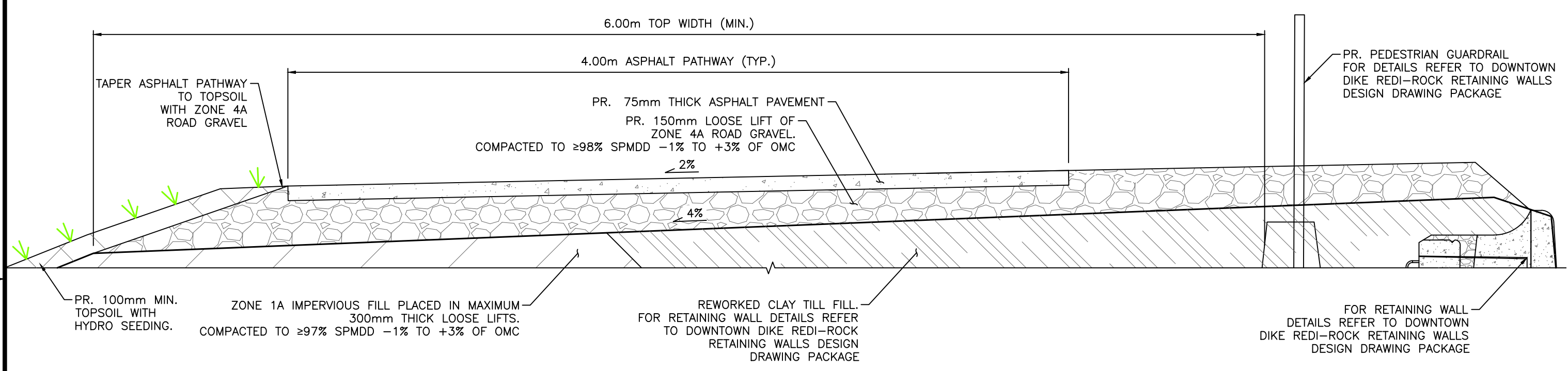
1  
 1:75  
 DOWNTOWN DIKE – CANALTA LOT SECTION



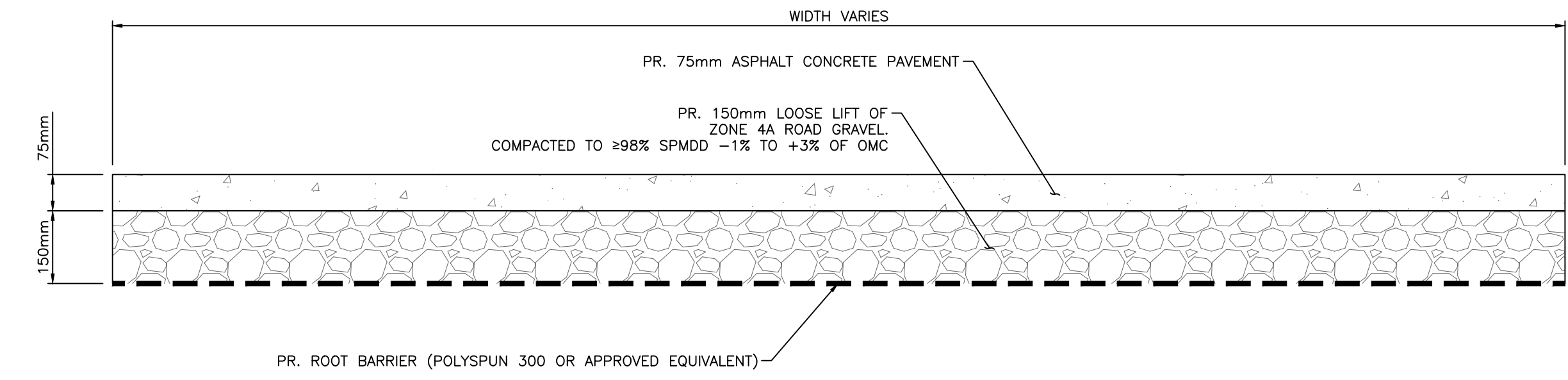
2A  
 1:20  
 DOWNTOWN DIKE – CROWNED ASPHALT PATHWAY



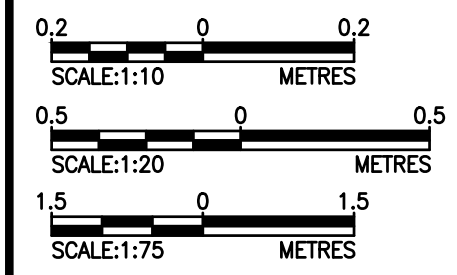
3A  
 1:10  
 DOWNTOWN DIKE – GRAVEL CONNECTOR TRAIL



2B  
 1:20  
 DOWNTOWN DIKE – PATHWAY AT RETAINING WALLS



3B  
 1:10  
 DOWNTOWN DIKE – ASPHALT CONNECTOR TRAIL



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 DATE: 2022-04-05  
 PERMIT NUMBER: P013638  
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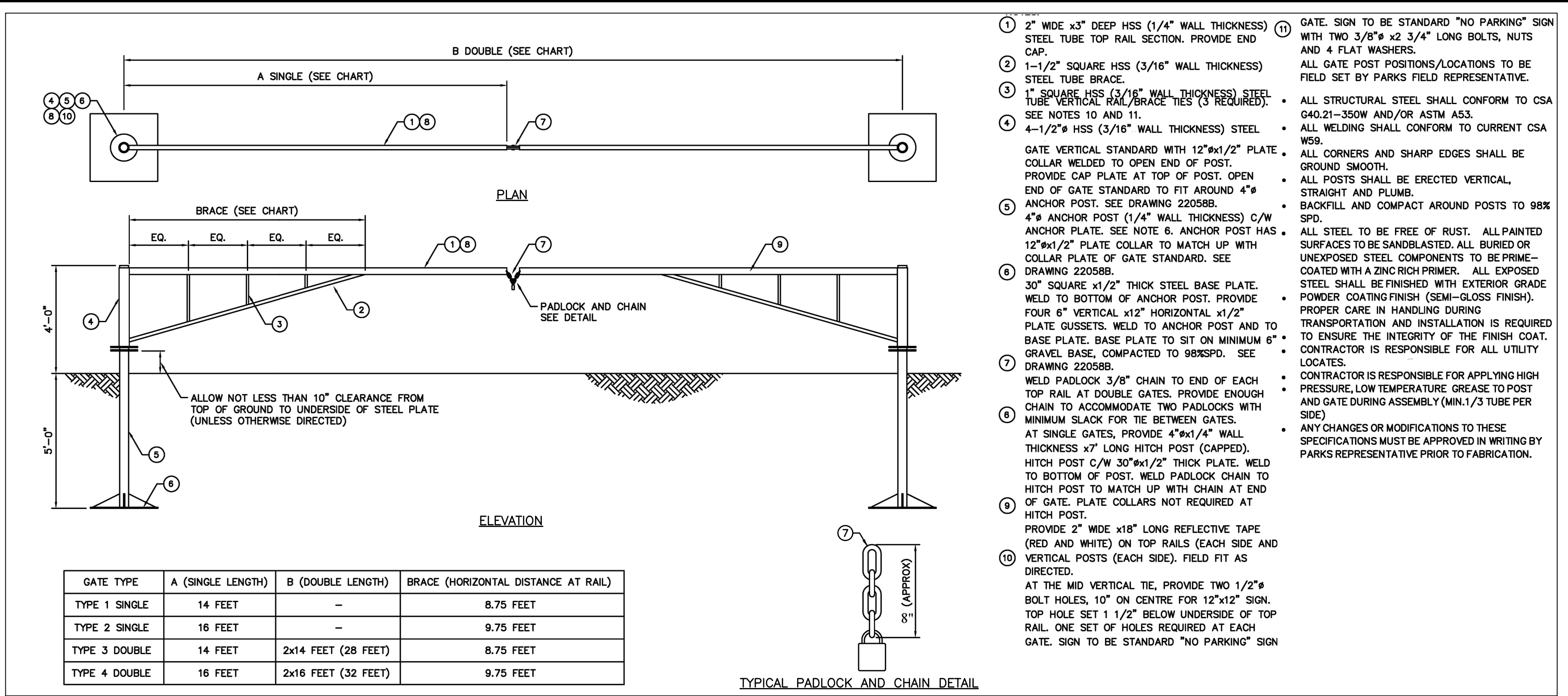
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TOWN OF DRUMHELLER  
 DOWNTOWN DIKE - PHASE 1  
 DETAILS 2

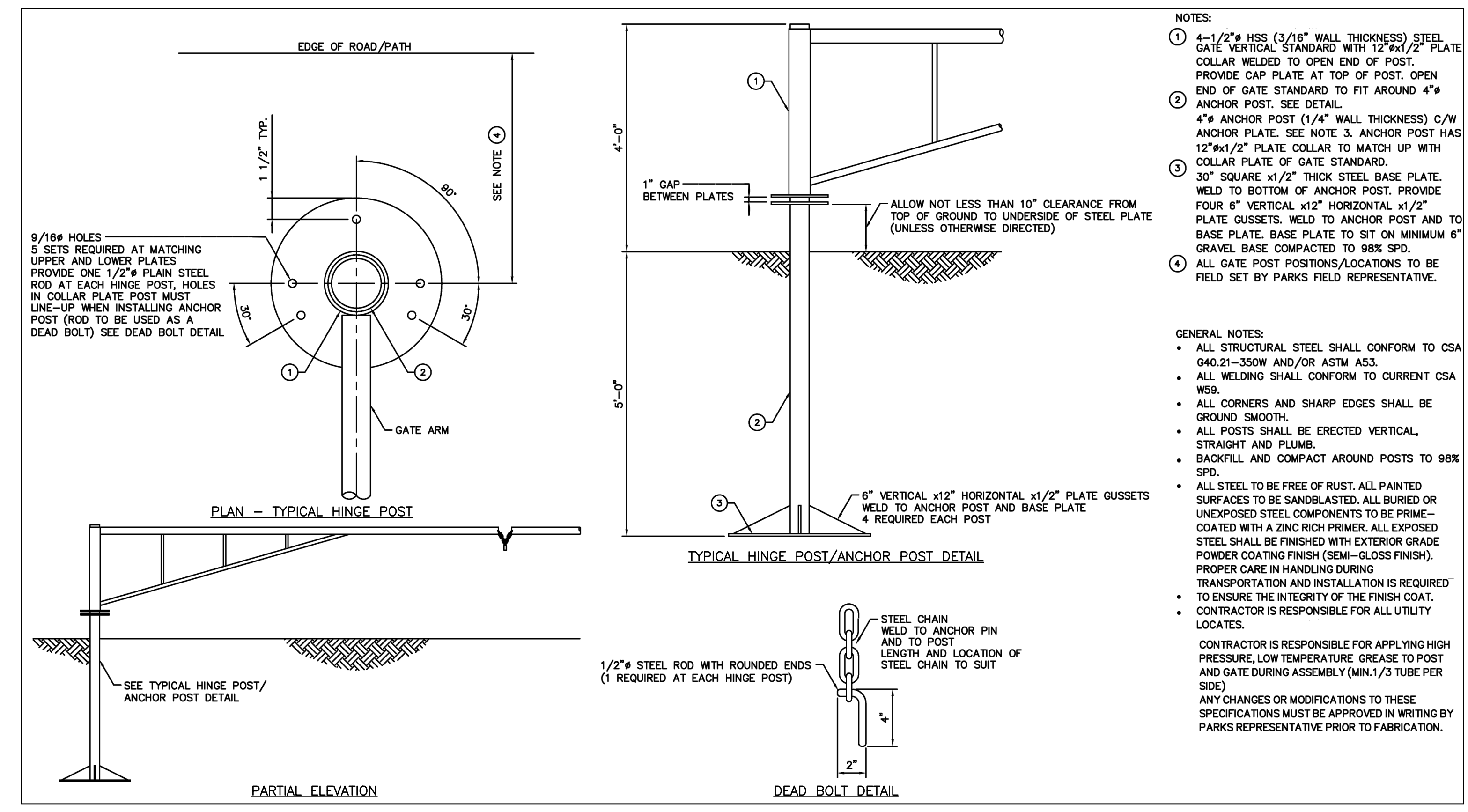
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 Drawing No. C-502  
 Rev. 0

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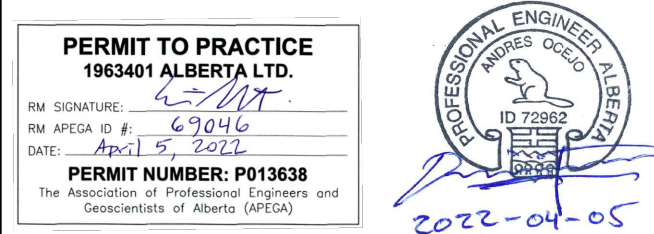
1A DETAIL - TYPICAL STEEL ROAD GATE 1 OF 2  
 N.T.S.



1B DETAIL - TYPICAL STEEL ROAD GATE 2 OF 2  
 N.T.S.

- 1 2" WIDE x3" DEEP HSS (1/4" WALL THICKNESS) STEEL TUBE TOP RAIL SECTION. PROVIDE END CAP.
  - 2 1-1/2" SQUARE HSS (3/16" WALL THICKNESS) STEEL TUBE BRACE.
  - 3 1" SQUARE HSS (3/16" WALL THICKNESS) STEEL TUBE VERTICAL RAIL/BRACE TIES (3 REQUIRED).
  - 4 4-1/2" HSS (3/16" WALL THICKNESS) STEEL GATE VERTICAL STANDARD WITH 12"x1/2" PLATE COLLAR WELDED TO OPEN END OF POST. PROVIDE CAP PLATE AT TOP OF POST. OPEN END OF GATE STANDARD TO FIT AROUND 4" ANCHOR POST. SEE DRAWING 22058B.
  - 5 4" ANCHOR POST (1/4" WALL THICKNESS) C/W ANCHOR PLATE. SEE NOTE 6. ANCHOR POST HAS 12"x1/2" PLATE COLLAR TO MATCH UP WITH COLLAR PLATE OF GATE STANDARD. SEE DRAWING 22058B.
  - 6 30" SQUARE x1/2" THICK STEEL BASE PLATE. WELD TO BOTTOM OF ANCHOR POST. PROVIDE FOUR 6" VERTICAL x12" HORIZONTAL x1/2" PLATE GUSSETS. WELD TO ANCHOR POST AND TO BASE PLATE. BASE PLATE TO SIT ON MINIMUM 6" GRAVEL BASE, COMPACTED TO 98% SPD. SEE DRAWING 22058B.
  - 7 WELD PADLOCK 3/8" CHAIN TO END OF EACH TOP RAIL, AT DOUBLE GATES. PROVIDE ENOUGH CHAIN TO ACCOMMODATE TWO PADLOCKS WITH MINIMUM SLACK FOR TIE BETWEEN GATES.
  - 8 AT SINGLE GATES, PROVIDE 4"x1/4" WALL THICKNESS x7" LONG HITCH POST (CAPPED). HITCH POST C/W 30"x1/2" THICK PLATE. WELD TO BOTTOM OF POST. WELD PADLOCK CHAIN TO HITCH POST TO MATCH UP WITH CHAIN AT END OF GATE. PLATE COLLARS NOT REQUIRED AT HITCH POST.
  - 9 PROVIDE 2" WIDE x18" LONG REFLECTIVE TAPE (RED AND WHITE) ON TOP RAILS (EACH SIDE AND VERTICAL POSTS (EACH SIDE). FIELD FIT AS DIRECTED.
  - 10 AT THE MID VERTICAL TIE, PROVIDE TWO 1/2" BOLT HOLES, 10" ON CENTRE FOR 12"x12" SIGN. TOP HOLE SET 1 1/2" BELOW UNDERSIDE OF TOP RAIL. ONE SET OF HOLES REQUIRED AT EACH GATE. SIGN TO BE STANDARD "NO PARKING" SIGN
- 11 GATE SIGN TO BE STANDARD "NO PARKING" SIGN WITH TWO 3/8" x 2 3/4" LONG BOLTS, NUTS AND 4 FLAT WASHERS.
- 12 ALL GATE POST POSITIONS/LOCATIONS TO BE FIELD SET BY PARKS FIELD REPRESENTATIVE.
- 13 ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21-350W AND/OR ASTM A53.
- 14 ALL WELDING SHALL CONFORM TO CURRENT CSA W59.
- 15 ALL CORNERS AND SHARP EDGES SHALL BE GROUND SMOOTH.
- 16 ALL POSTS SHALL BE ERRECTED VERTICAL, STRAIGHT AND PLUMB.
- 17 BACKFILL AND COMPACT AROUND POSTS TO 98% SPD.
- 18 ALL STEEL TO BE FREE OF RUST. ALL PAINTED SURFACES TO BE SANDBLASTED. ALL BURIED OR UNEXPOSED STEEL COMPONENTS TO BE PRIME-COATED WITH A ZINC RICH PRIMER. ALL EXPOSED STEEL SHALL BE FINISHED WITH EXTERIOR GRADE POWDER COATING FINISH (SEMI-GLOSS FINISH). PROPER CARE IN HANDLING DURING TRANSPORTATION AND INSTALLATION IS REQUIRED TO ENSURE THE INTEGRITY OF THE FINISH COAT.
- 19 CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES.
- 20 CONTRACTOR IS RESPONSIBLE FOR APPLYING HIGH PRESSURE, LOW TEMPERATURE GREASE TO POST AND GATE DURING ASSEMBLY (MIN. 1/3 TUBE PER SIDE)
- 21 ANY CHANGES OR MODIFICATIONS TO THESE SPECIFICATIONS MUST BE APPROVED IN WRITING BY PARKS REPRESENTATIVE PRIOR TO FABRICATION.

- NOTES:
- 1 4-1/2" HSS (3/16" WALL THICKNESS) STEEL GATE VERTICAL STANDARD WITH 12"x1/2" PLATE COLLAR WELDED TO OPEN END OF POST. PROVIDE CAP PLATE AT TOP OF POST. OPEN END OF GATE STANDARD TO FIT AROUND 4" ANCHOR POST. SEE DETAIL.
  - 2 4" ANCHOR POST (1/4" WALL THICKNESS) C/W ANCHOR PLATE. SEE NOTE 3. ANCHOR POST HAS 12"x1/2" PLATE COLLAR TO MATCH UP WITH COLLAR PLATE OF GATE STANDARD.
  - 3 30" SQUARE x1/2" THICK STEEL BASE PLATE. WELD TO BOTTOM OF ANCHOR POST. PROVIDE FOUR 6" VERTICAL x12" HORIZONTAL x1/2" PLATE GUSSETS. WELD TO ANCHOR POST AND TO BASE PLATE. BASE PLATE TO SIT ON MINIMUM 6" GRAVEL BASE COMPACTED TO 98% SPD.
  - 4 ALL GATE POST POSITIONS/LOCATIONS TO BE FIELD SET BY PARKS FIELD REPRESENTATIVE.
- GENERAL NOTES:
- ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21-350W AND/OR ASTM A53.
  - ALL WELDING SHALL CONFORM TO CURRENT CSA W59.
  - ALL CORNERS AND SHARP EDGES SHALL BE GROUND SMOOTH.
  - ALL POSTS SHALL BE ERRECTED VERTICAL, STRAIGHT AND PLUMB.
  - BACKFILL AND COMPACT AROUND POSTS TO 98% SPD.
  - ALL STEEL TO BE FREE OF RUST. ALL PAINTED SURFACES TO BE SANDBLASTED. ALL BURIED OR UNEXPOSED STEEL COMPONENTS TO BE PRIME-COATED WITH A ZINC RICH PRIMER. ALL EXPOSED STEEL SHALL BE FINISHED WITH EXTERIOR GRADE POWDER COATING FINISH (SEMI-GLOSS FINISH). PROPER CARE IN HANDLING DURING TRANSPORTATION AND INSTALLATION IS REQUIRED TO ENSURE THE INTEGRITY OF THE FINISH COAT.
  - CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES.
  - CONTRACTOR IS RESPONSIBLE FOR APPLYING HIGH PRESSURE, LOW TEMPERATURE GREASE TO POST AND GATE DURING ASSEMBLY (MIN. 1/3 TUBE PER SIDE)
  - ANY CHANGES OR MODIFICATIONS TO THESE SPECIFICATIONS MUST BE APPROVED IN WRITING BY PARKS REPRESENTATIVE PRIOR TO FABRICATION.



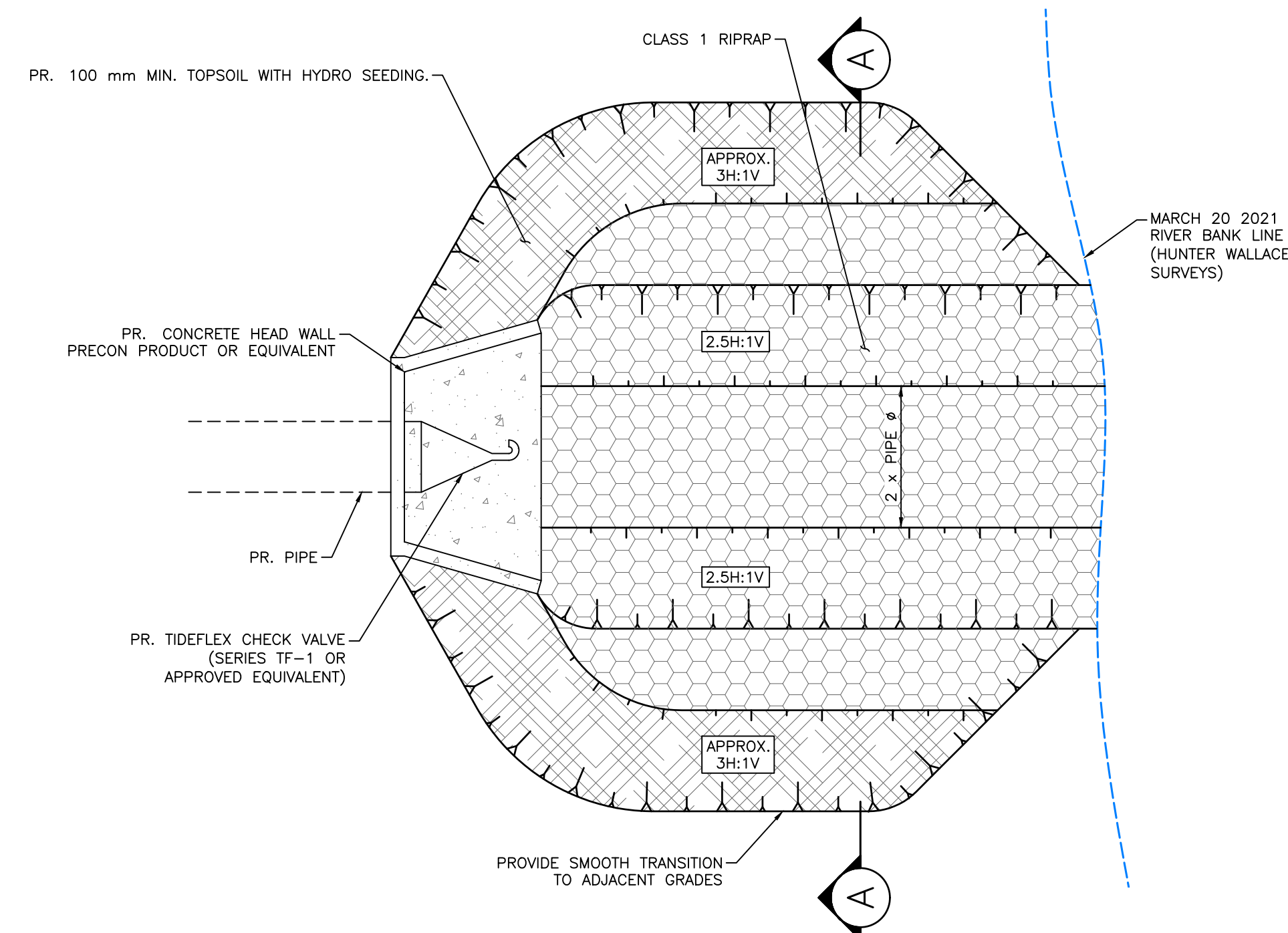
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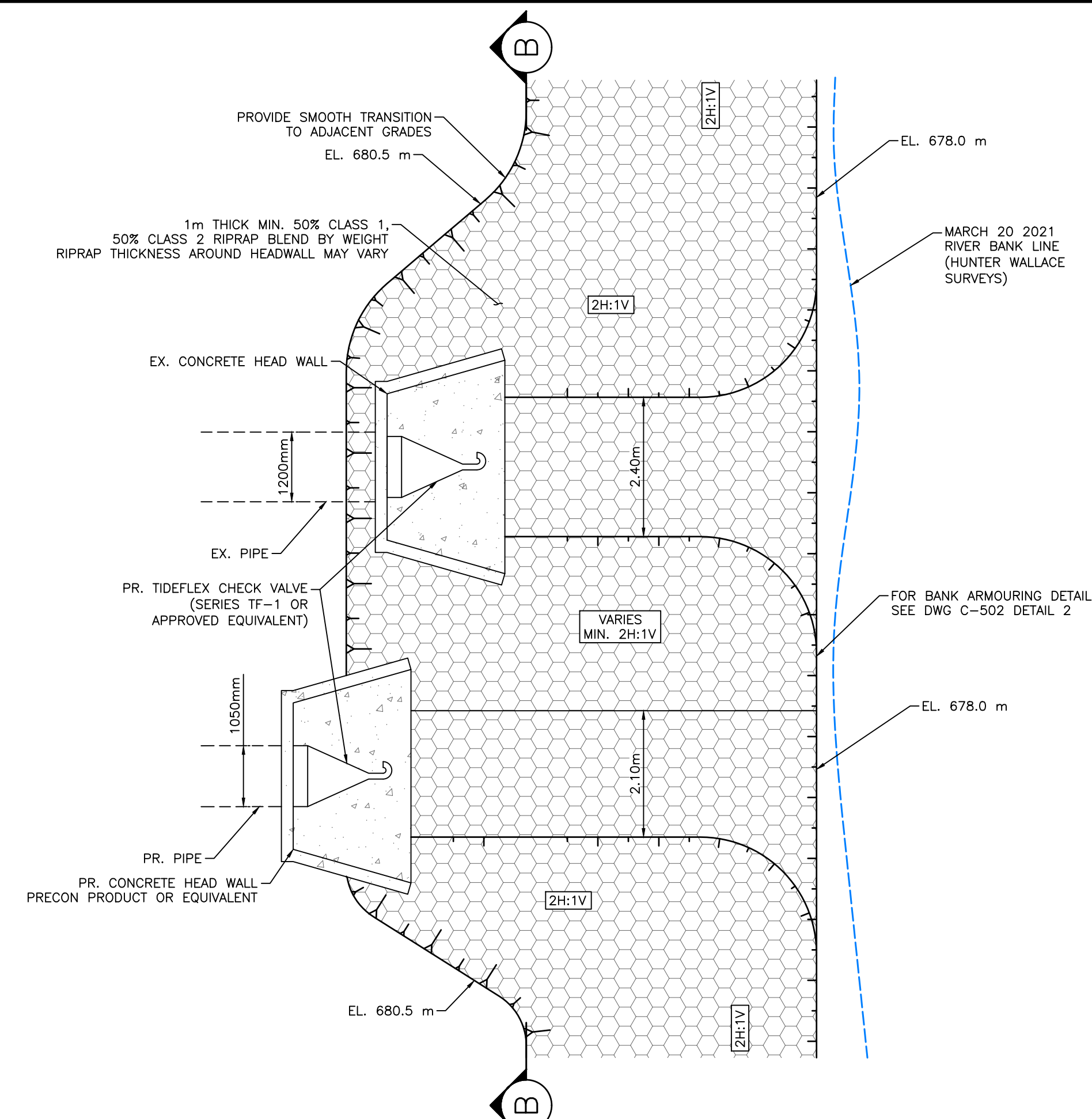
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TOWN OF DRUMHELLER  
 DOWNTOWN DIKE - PHASE 1  
 DETAILS 3

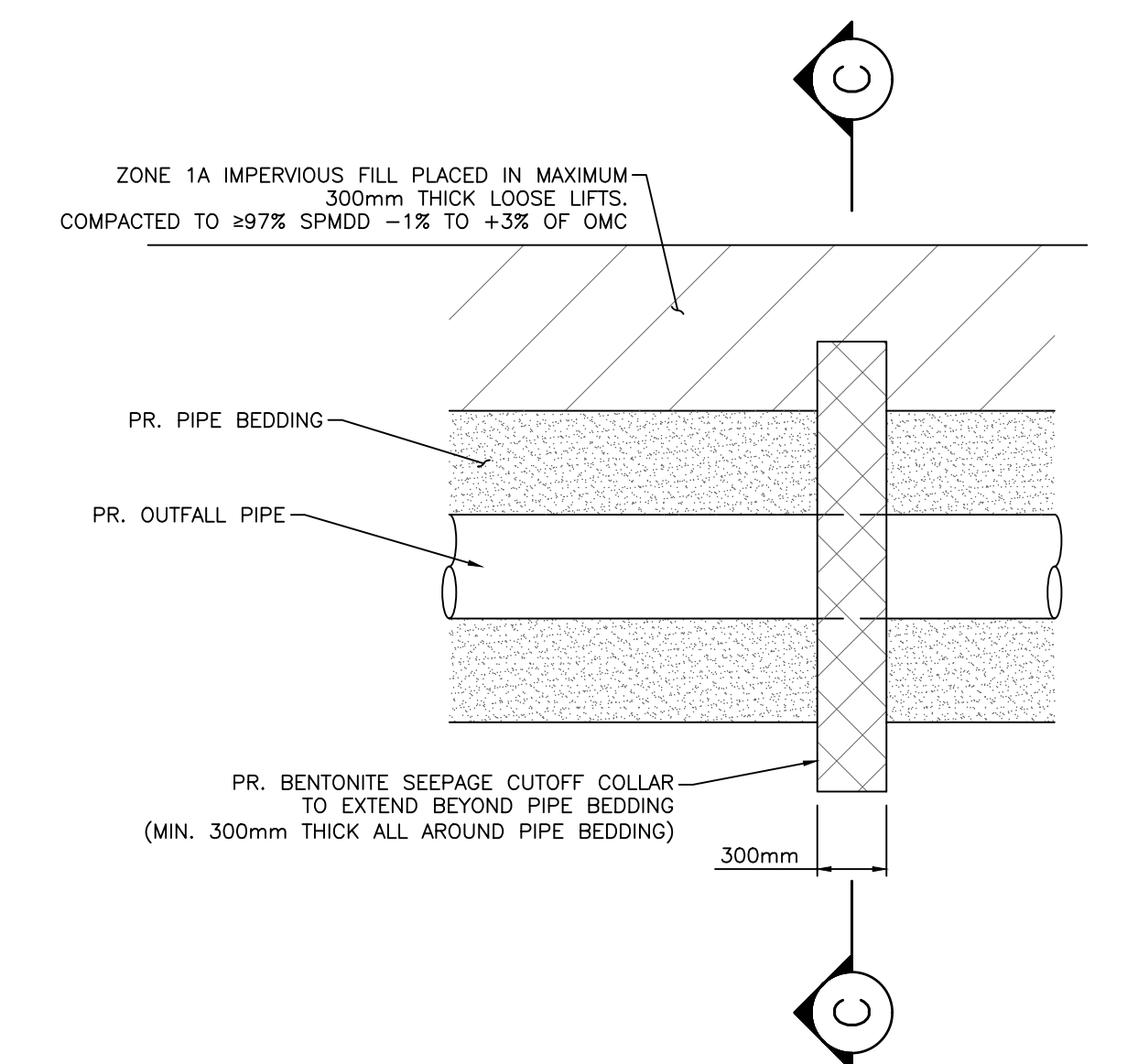
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 Rev. 0



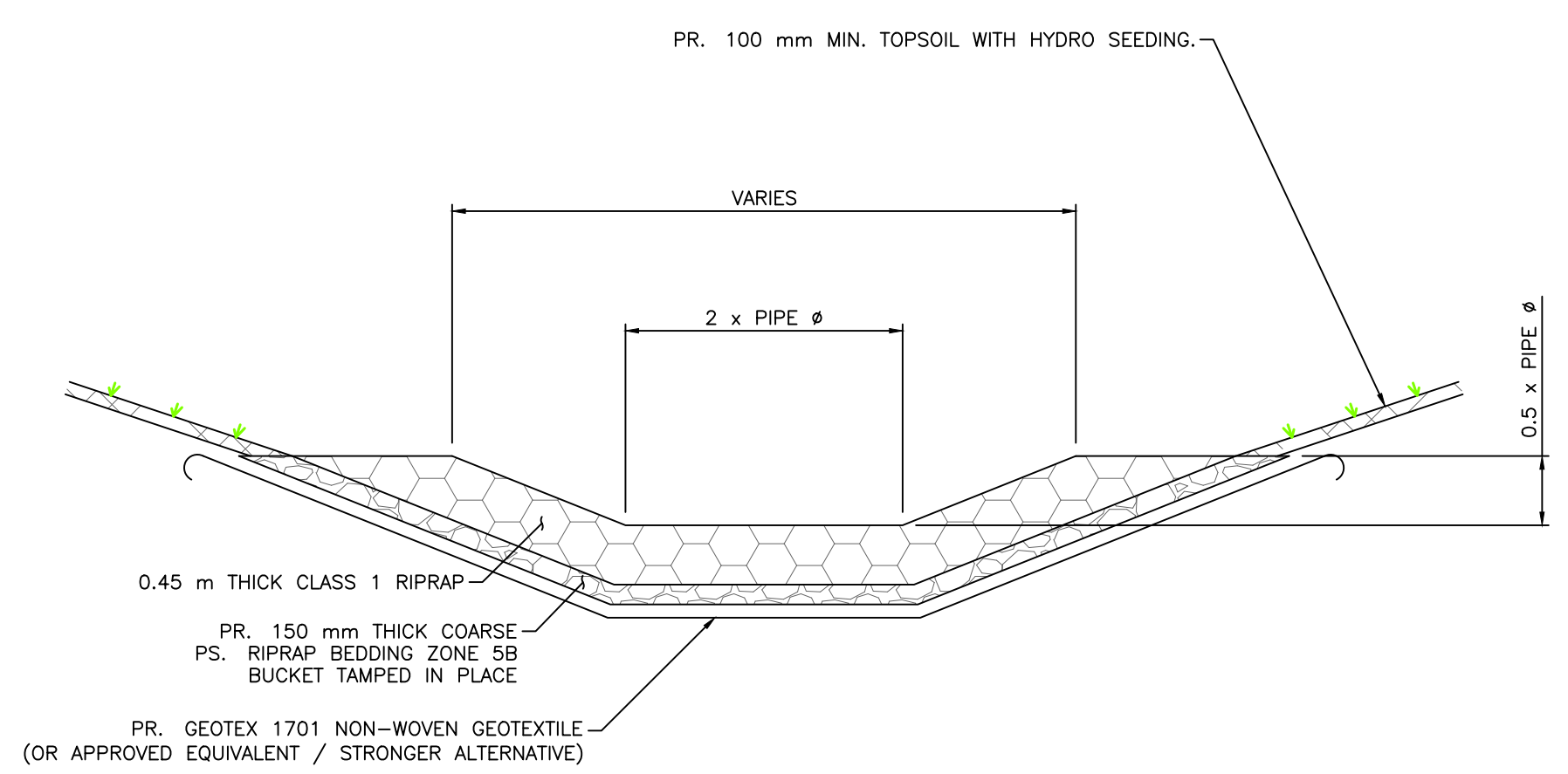
1 DETAIL - RIPRAP APRON  
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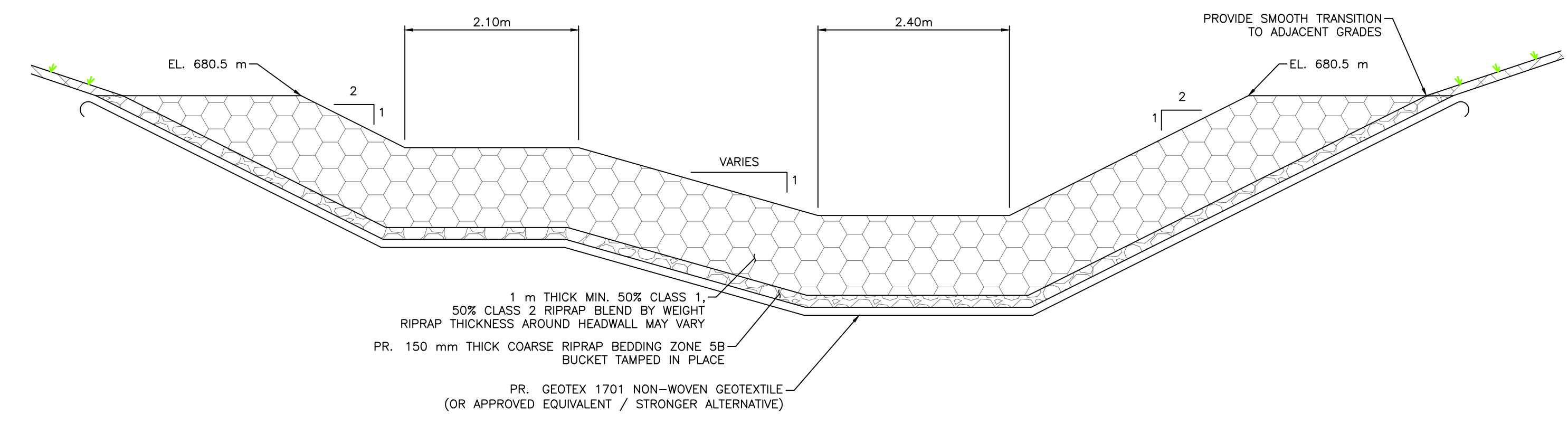
2 DETAIL - RIPRAP APRON TIE TO RIPRAP BANK STABILIZATION  
 N.T.S.



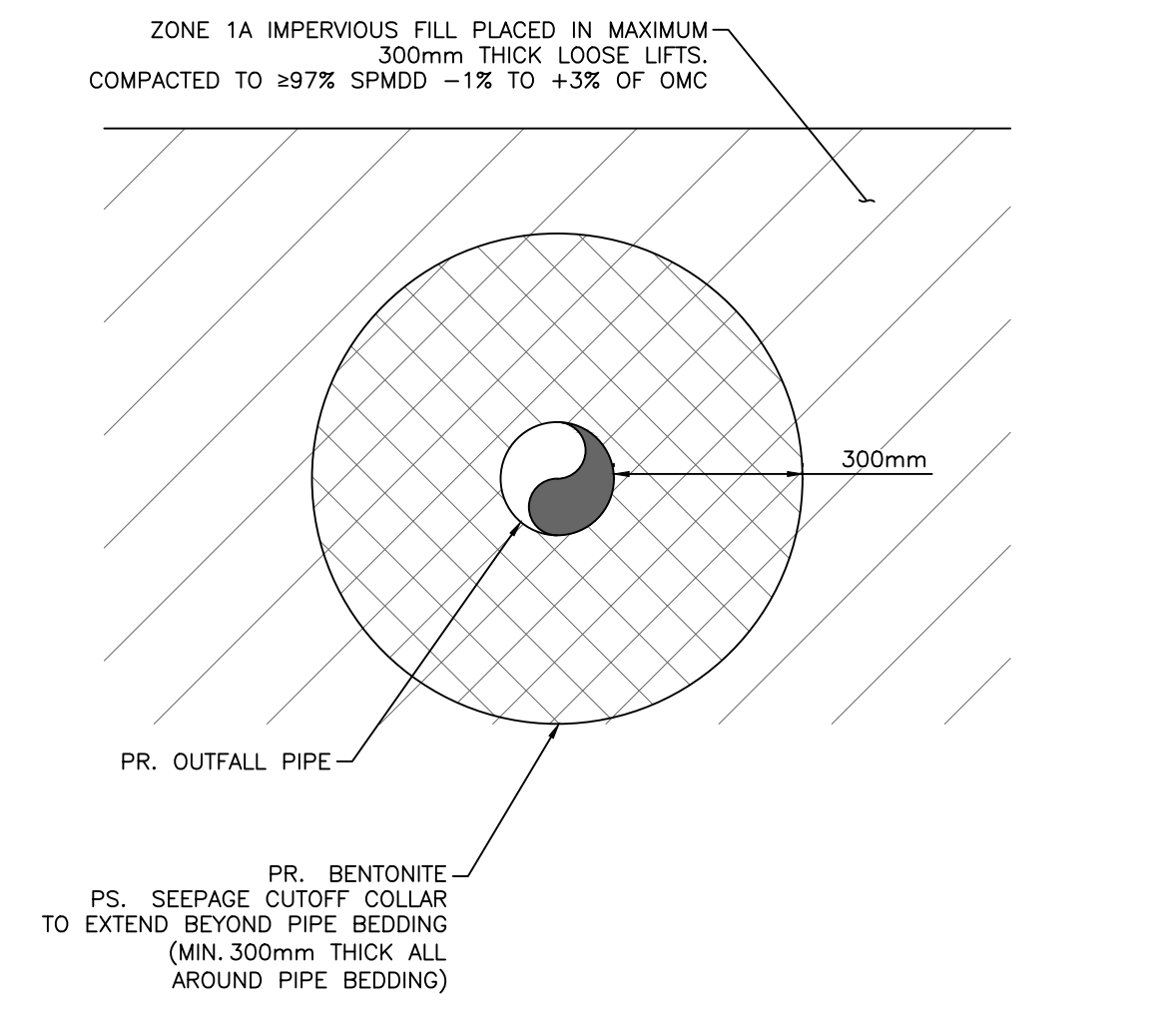
3 DETAIL - BENTONITE CUTOFF COLLAR  
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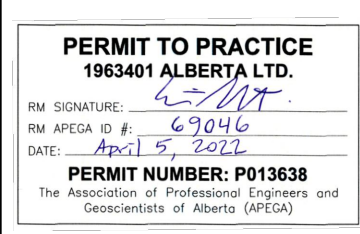
A RIPRAP APRON - SECTION  
 N.T.S.



B RIPRAP APRON - SECTION  
 N.T.S.



C BENTONITE CUTOFF COLLAR - SECTION  
 N.T.S.



Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
0	22/04/05	AO	GM	ES/AS	ISSUED FOR TENDER						

TOWN OF DRUMHELLER DOWNTOWN DIKE - PHASE 1		
DETAILS 4		
Project No.	21.2311.002	Drawing No.
Group	CIVIL	Rev.
		C-504 0

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