

ADDENDUM A-02

Project:	Drumheller Flood Mitigation and Resiliency – Downtown Dike Phase 1
Addendum:	A-02- Multiple Items
Date:	April 15, 2022
Location:	224 Centre Street Drumheller, Alberta

To All Bidders:

1. General

- 1.1. This addendum shall be read in conjunction with the Specifications prepared for the Request for Tender - Downtown Dike Phase 1 Project.
- 1.2. This addendum includes the following topics:
 - 1.2.1. Site Visit Q&A
 - 1.2.2. Revised Tender Forms
 - 1.2.3. River Signage for Instream Work
 - 1.2.4. Irrigation Drawings

1. A – Site Visit Q&A

1. Is the Contractor responsible for their own surveying? And if yes, who are the Owner's surveyors?
 - a. ANSWER: Yes, contractors will require their own surveyors as per 'Section 01722 Site Surveying', as indicated in individual pay items in 'Section 01280 – Measurement Schedule', and as described in the Division 02 Specifications of the contract documents. The Owner will be contracting Hunter Wallace to conduct quantity and quality surveys on behalf of the Owner. Therefore, contractors can not subcontract Hunter Wallace for the Downtown Dike construction.

2. Are there any road or highway restrictions, within the Town of Drumheller that would restrict haul trucks from driving down them?
 - a. ANSWER: It is the contractor's responsibility to confirm load restrictions on haul routes, as per 'Section 01110 – Summary of Work', 'Section 1.8 Public Roads' prior to starting work. There are current road restrictions on Newcastle Trail and Highway 10x which has a 3-ton limit for Historical Bridge No. 11. Note that the phone number provided in Section 1.8 is incorrect, the correct number is 1-888-830-7623.

3. Will CAD drawings be provided to the Contractor?
 - a. ANSWER: Yes, the chosen Contractor will receive CAD drawings from SweetTech.

4. Can the Phase 1 contract for Downtown Dike be extended to the same contractor for Phase 2?
 - a. ANSWER: No, Phase 2 of the Downtown Dike will be issued for Tender in the same fashion as Phase 1.

5. Does the Contractor need to develop their own ESC Plan (Erosion and Sediment Control)?
 - a. ANSWER: Yes, in addition to the ECO Plan the contractor will be required to submit a project and site-specific ESC Plan. Refer to 'Section 01390 – ECO Plan'. The ESC Plan will make up part of the ECO Plan.

6. Within the Outfall Cross-Section drawings, what is the 448 cms Water Level indicate? Will there be instream work required for the rip-rap outfalls?
 - a. ANSWER: The '448 cms Water Level' is the 'Normal High-Water Level' that is anticipated during the typical spring snowmelt flood period. The typical flood period occurs anytime between mid May and mid July. Therefore, Contractors are advised to coordinate their work around the 'Normal High-Water Level'. However, any work within this level is considered "in-stream" work and all regulatory permit conditions will need to be adhered to, once obtained. Within the Contractors procedures, ECO Plan and ESC Plan, they must consider the possibility of a flood occurring above the 448 cms Water Level mark at any point during construction. The Dickson Dam provides the Town of Drumheller with approximately 3 days of notice from a flood upriver.

7. Is there an agreement in place with the Drumheller landfill for the disposal of the stumps currently on site?
 - a. ANSWER: There is no agreement between the Flood Office and the Landfill for disposal of stumps. The landfill charges \$65/ton for full logs/stumps while woodchip disposal is free.

8. Is the Contractor required to complete their own quality control testing?
 - a. ANSWER: Yes, refer to 'Section 01452 – Quality Control and Quality Assurance' of the contract documents.

2. A – Revised Tender Forms

The following tender forms have been revised and provided as an attachment to this addendum:

- Certificate of Total Performance (within Division 01775 of the Contract Documents) – 1 page attachment
- Certificate of Warranty Performance (within Division 01775 of the Contract Documents) – 1 page attachment

3. A – River Signage for Instream Work

All instream works must comply with the 'Canadian Navigable Waters Act' signage and marking requirements, including:

- Signs stating, "Construction Ahead", legible from a distance of 50m, placed upstream and downstream of the work area, and
- That the perimeter of the work site is visible from sunset to sunrise and during periods of restricted visibility by the placement of yellow flashing lights, cautionary buoys with retro-reflective material, or cautionary buoys with yellow flashing lights.

4. A – Irrigation Drawings

Attached to this Addendum are the irrigation drawings to accompany the landscaping scope of work. Specifications for the irrigation scope of work are included within the irrigation and landscaping drawings. The irrigation scope of work is to be priced as outlined in item 4.01 in the 'Measurement Schedule' provided in 'Section 01280' of the contract documents.

- 4 page attachment

End of Addendum 02

CERTIFICATE OF TOTAL PERFORMANCE

Tender Number

Contract Number

Contractor

Address

Town of Drumheller

224 Centre Street Drumheller AB T0J 0Y4

Owner

Address

This Certificate of Total Performance is issued pursuant to clause _____ Section _____ - General Conditions and clause _____ Section _____ - Contract Acceptance Procedures of the Contract Documents.

The Work performed under the Contract has been reviewed, and to the best of the Town of Drumheller's knowledge meets the requirements for Total Performance of the Work. Pursuant to clause _____ of Section _____ – General Conditions, any review, comment, consent, acceptance or approval, or lack thereof, by the Town of Drumheller shall not relieve the Contractor of any of its responsibilities or liabilities under the Contract.

Effective date of
Warranty Performance

Signature

CONSULTANT'S RECOMMENDATION

I have reviewed the Certificate and recommended it for authorization by the Town of Drumheller.

Consultant Firm

Date

Name of Representative

Signature

TOWN OF DRUMHELLER'S AUTHORIZATION

I authorize this Certificate of Substantial performance of the Work.

Name of Representative

Date

Signature of Town of Drumheller's Authorized Representative

CERTIFICATE OF WARRANTY PERFORMANCE

Tender Number

Contract Number

Contractor

Address

Town of Drumheller

224 Centre Street Drumheller AB T0J 0Y4

Owner

Address

This Certificate of Warranty Performance is issued pursuant to clause _____ Section _____ - General Conditions and clause _____ Section _____ - Contract Acceptance Procedures of the Contract Documents.

The Work performed under the Contract has been reviewed, and to the best of the Town of Drumheller's knowledge meets the requirements for Warranty Performance of the Work. Pursuant to clause _____ of Section _____ – General Conditions, any review, comment, consent, acceptance or approval, or lack thereof, by the Town of Drumheller shall not relieve the Contractor of any of its responsibilities or liabilities under the Contract.

Effective date of
Warranty Performance

Signature

CONSULTANT'S RECOMMENDATION

I have reviewed the Certificate and recommended it for authorization by the Town of Drumheller.

Consultant Firm

Date

Name of Representative

Signature

TOWN OF DRUMHELLER'S AUTHORIZATION

I authorize this Certificate of Substantial performance of the Work.

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Date

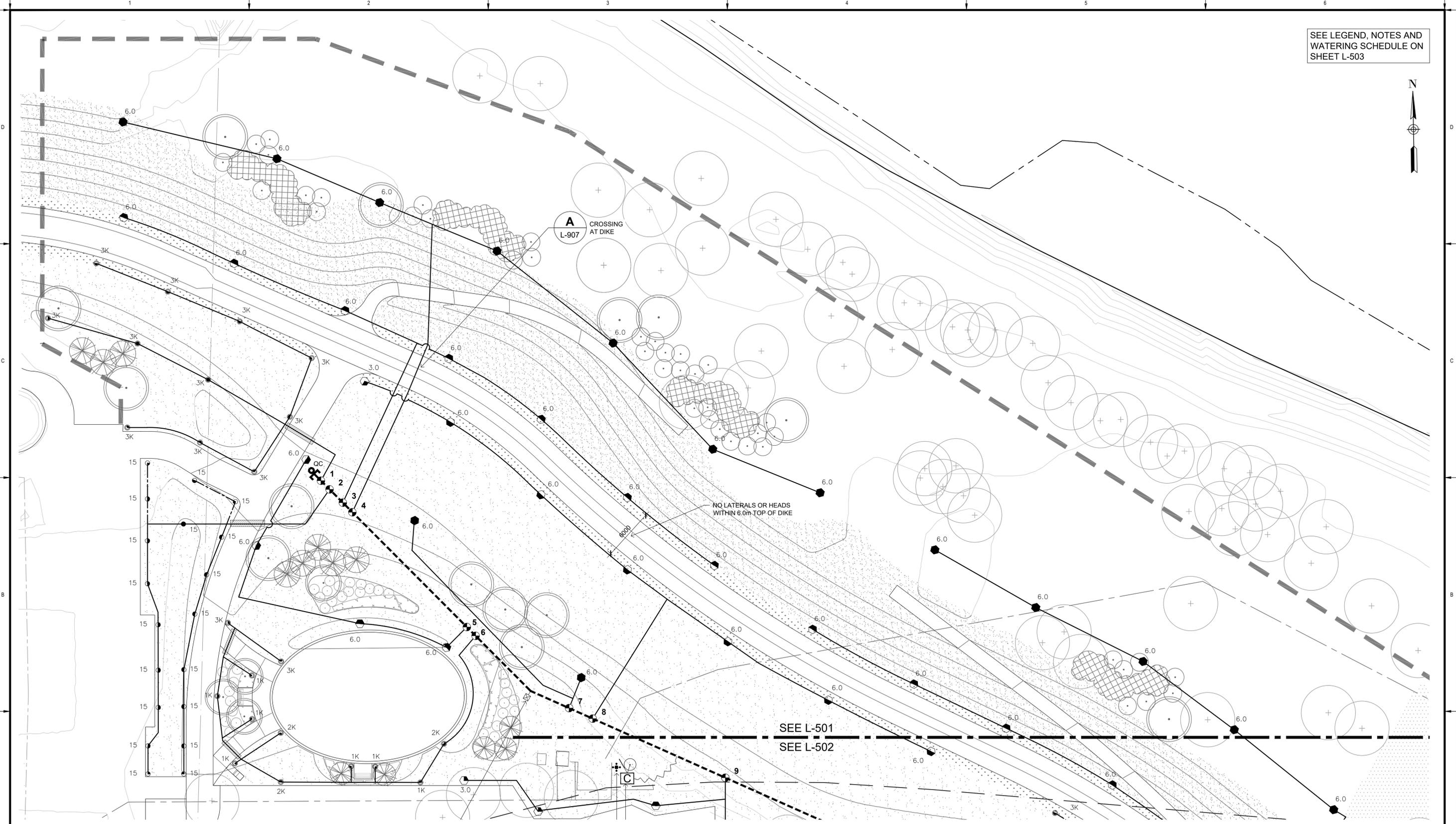
Signature of Town of Drumheller's Authorized Representative

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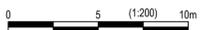
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SEE LEGEND, NOTES AND WATERING SCHEDULE ON SHEET L-503



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IBI IBI GROUP
3rd Floor - 227 11 Avenue SW
Calgary AB T2R 1R9 Canada
tel 403 270 5600 fax 403 270 5610
ibigroup.com

The Alberta Association of Landscape Architects
Ernie J Webster

Rev	Date	Des	Dwn	Chk	Description
0	2022-04-13	EJW	MD	EJW	ISSUED FOR TENDER

Rev	Date	Des	Dwn	Chk	Description

**TOWN OF DRUMHELLER
DOWNTOWN DIKE
PHASE 1
IRRIGATION PLAN**

Project No. **133142** Drawing No. **L-501** Rev. **0**

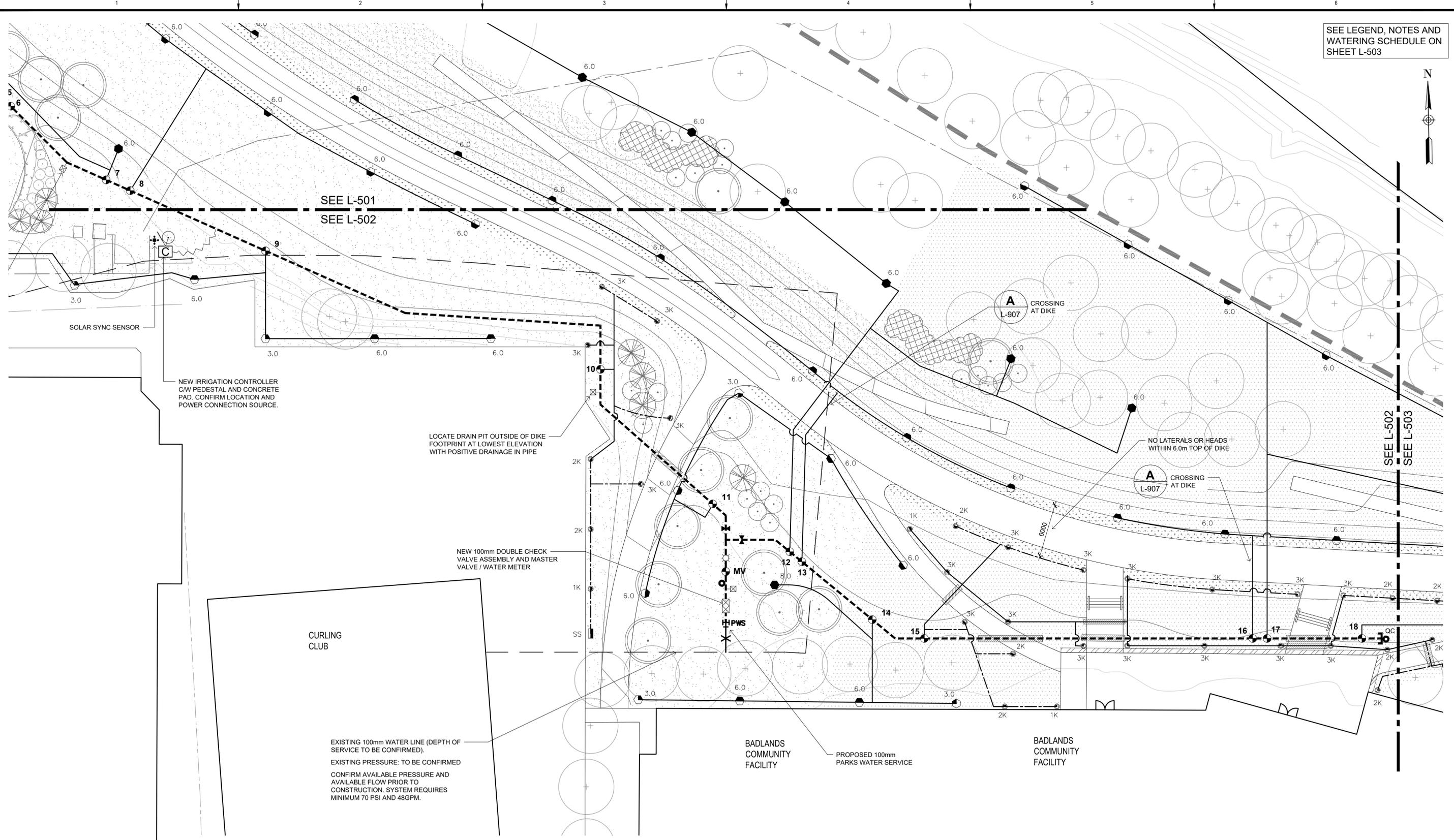
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SEE LEGEND, NOTES AND WATERING SCHEDULE ON SHEET L-503



SEE L-501
SEE L-502

SOLAR SYNC SENSOR

NEW IRRIGATION CONTROLLER
CW PEDESTAL AND CONCRETE
PAD. CONFIRM LOCATION AND
POWER CONNECTION SOURCE.

LOCATE DRAIN PIT OUTSIDE OF DIKE
FOOTPRINT AT LOWEST ELEVATION
WITH POSITIVE DRAINAGE IN PIPE

NEW 100mm DOUBLE CHECK
VALVE ASSEMBLY AND MASTER
VALVE / WATER METER

CURLING
CLUB

EXISTING 100mm WATER LINE (DEPTH OF
SERVICE TO BE CONFIRMED).
EXISTING PRESSURE: TO BE CONFIRMED
CONFIRM AVAILABLE PRESSURE AND
AVAILABLE FLOW PRIOR TO
CONSTRUCTION. SYSTEM REQUIRES
MINIMUM 70 PSI AND 48GPM.

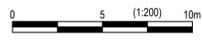
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COMMUNITY
FACILITY

PROPOSED 100mm
PARKS WATER SERVICE

BADLANDS
COMMUNITY
FACILITY

SEE L-502
SEE L-503

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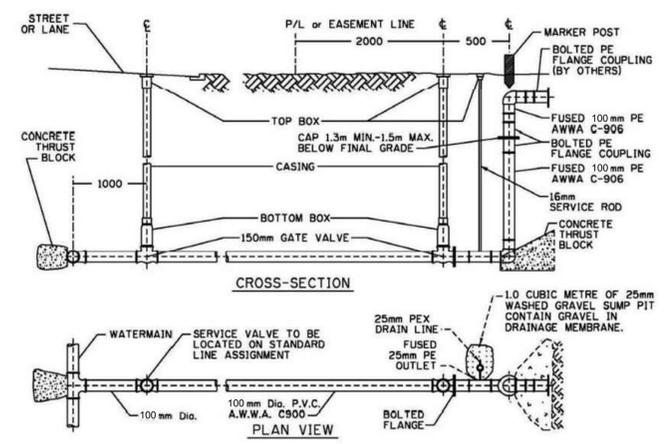
Rev	Date	Des	Dwn	Chk	Description
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Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
PHASE 1
IRRIGATION PLAN

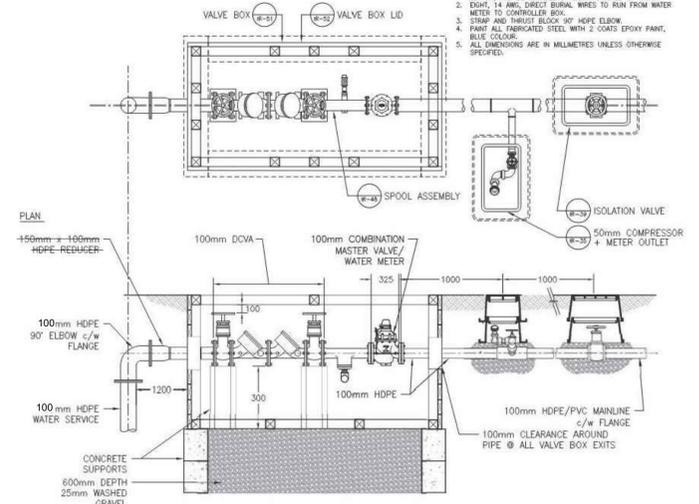
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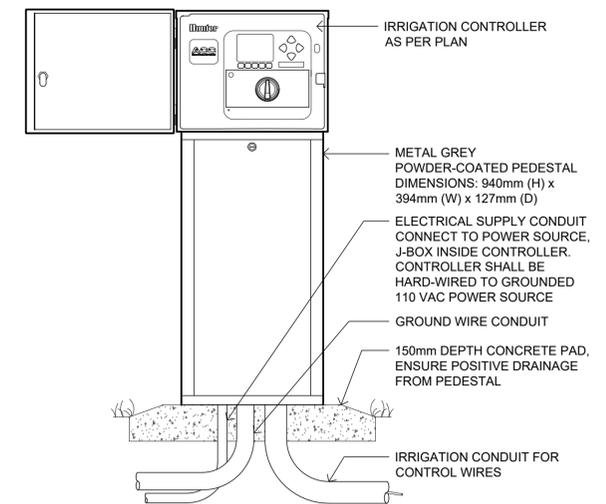
NOTES:
 1. Parks Water Service shall be installed in accordance to the City of Calgary Standard Specifications Waterworks Construction.
 2. For irrigation system design, consult latest City of Calgary, Park Development & Operations, Development Guidelines And Standard Specifications Landscape Construction.
 3. Call Park Development & Operations for inspection on Park Development & Operations Property.
 4. Drainage Membrane, see Sec. 320 Standard Specification Streets Construction.
 5. All dimensions are in millimeters unless otherwise noted.

A 100mm PARK WATER SERVICE
L-906 NTS

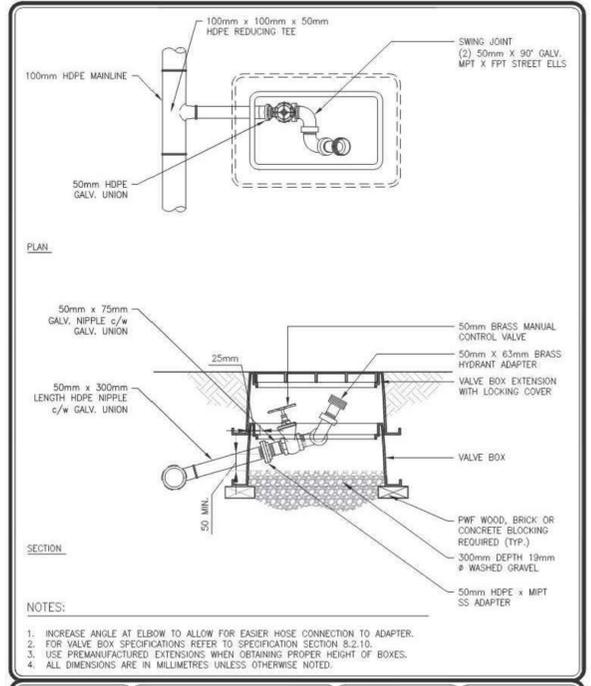


NOTES:
 1. DOUBLE CHECK VALVE ASSEMBLY SHALL CONFORM TO CITY OF CALGARY WATERWORKS STANDARD SPECIFICATIONS, LATEST EDITION, AND BE CAPABLE OF BEING DRAINED OF WATER. DRAIN: 14 AWG, DIRECT BURIAL WIRES TO RUN FROM WATER METER TO CONTROLLER BOX.
 2. STRAP AND THRUST BLOCK 90° HDPE ELBOW.
 3. PAINT ALL THREADED STEEL WITH 2 COATS EPOXY PAINT, BLUE COLOUR.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

B 100mm DOUBLE CHECK VALVE
L-906 NTS

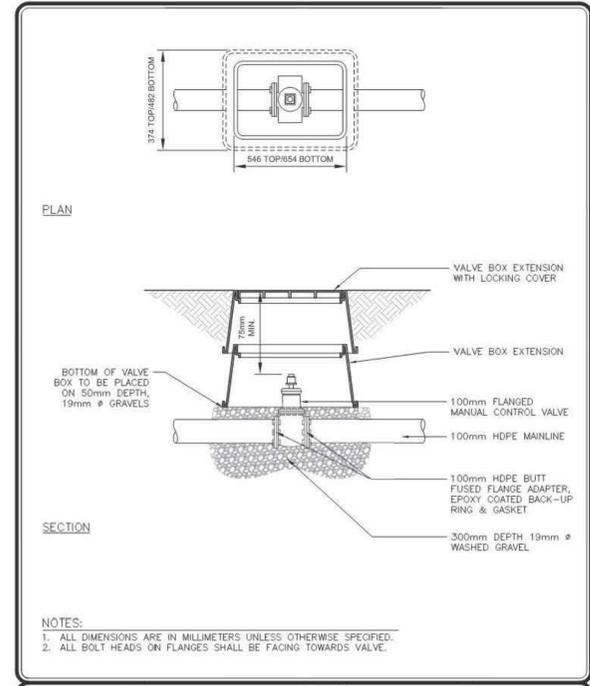


C IRRIGATION CONTROLLER
L-906 SCALE 1:10



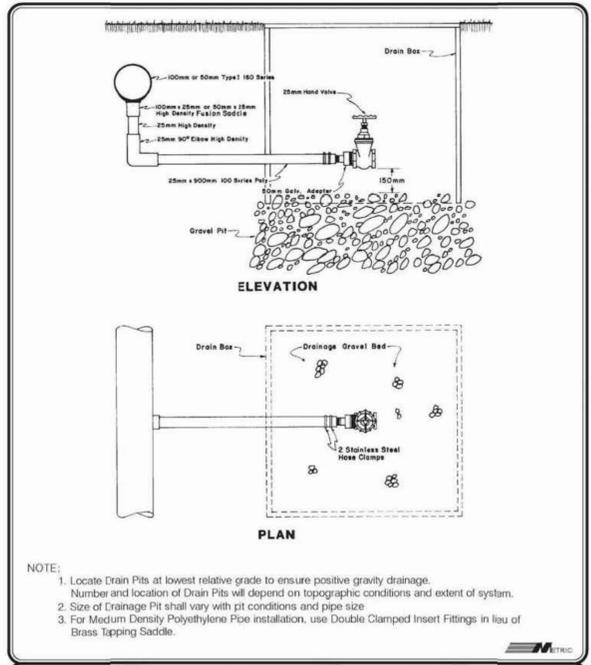
NOTES:
 1. INCREASE ANGLE AT ELBOW TO ALLOW FOR EASIER HOSE CONNECTION TO ADAPTER.
 2. FOR VALVE BOX SPECIFICATIONS REFER TO SPECIFICATION SECTION 8.2.10.
 3. USE PREMANUFACTURED EXTENSIONS WHEN OBTAINING PROPER HEIGHT OF BOXES.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

D 50mm COMPRESSOR CONNECTION
L-906 SCALE 1:10



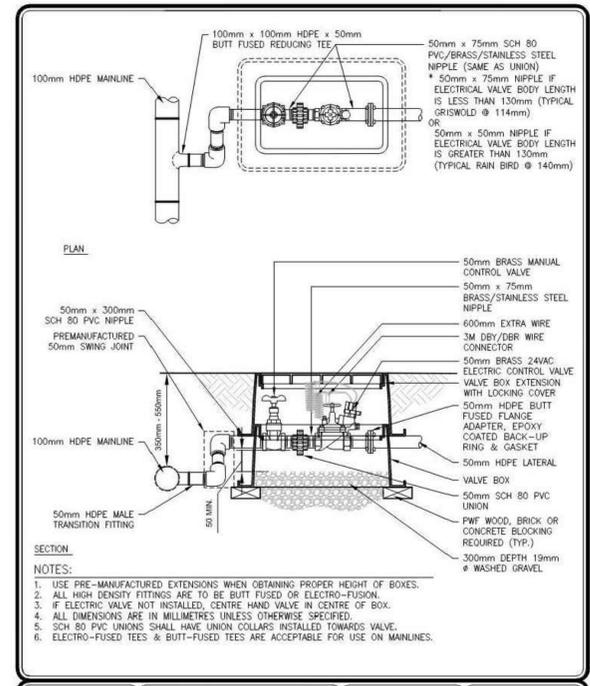
NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 2. ALL BOLT HEADS ON FLANGES SHALL BE FACING TOWARDS VALVE.

E 100mm ISOLATION VALVE
L-906 NTS



NOTE:
 1. Locate Drain Pits at lowest relative grade to ensure positive gravity drainage. Number and location of Drain Pits will depend on topographic conditions and extent of system.
 2. Size of Drainage Pit shall vary with pit conditions and pipe size.
 3. For Medium Density Polyethylene Pipe installation, use Double Clamped Insert Fittings in lieu of Brass Tapping Saddle.

F DRAIN PIT
L-906 SCALE 1:10



NOTES:
 1. USE PRE-MANUFACTURED EXTENSIONS WHEN OBTAINING PROPER HEIGHT OF BOXES.
 2. ALL HIGH DENSITY FITTINGS ARE TO BE BUTT FUSED OR ELECTRO-FUSION.
 3. IF ELECTRIC VALVE NOT INSTALLED, CENTRE HAND VALVE IN CENTRE OF BOX.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 5. SCH 80 PVC UNIONS SHALL HAVE UNION COLLARS INSTALLED TOWARDS VALVE.
 6. ELECTRO-FUSED TEES & BUTT-FUSED TEES ARE ACCEPTABLE FOR USE ON MAINLINES.

G ELECTRIC CONTROL VALVE
L-906 SCALE 1:10

DRUMHELLER VALLEY

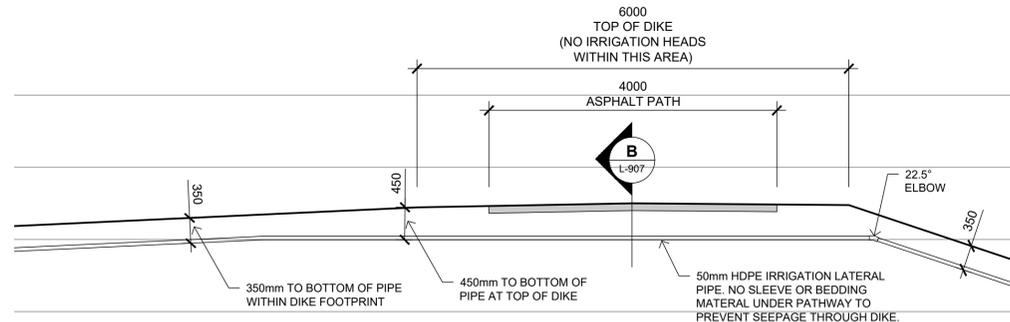
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Rev	Date	Des	Dwn	Chk	Description
0	2022-04-14	EJW	MD	EJW	ISSUED FOR TENDER

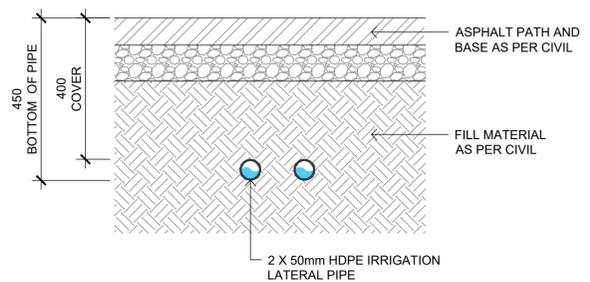
Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER
DOWNTOWN DIKE
PHASE 1
LANDSCAPE DETAILS

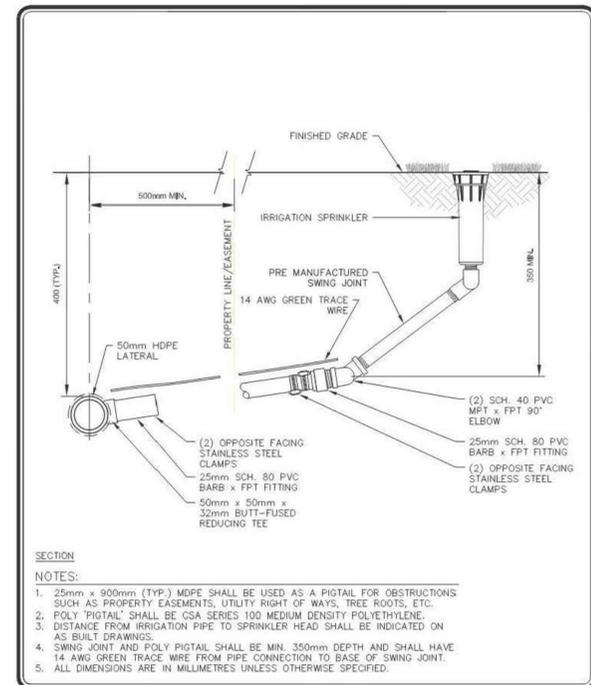
Project No. **133142** Drawing No. **L-906** Rev. **0**



A PIPE CROSSING AT DIKE
 L-907 SCALE 1:50



B PIPE CROSSING AT DIKE
 L-907 SCALE 1:10



SECTION
NOTES:
 1. 25mm x 900mm (TYP.) HDPE SHALL BE USED AS A PIGTAIL FOR OBSTRUCTIONS SUCH AS PROPERTY EASEMENTS, UTILITY RIGHT OF WAYS, TREE ROOTS, ETC.
 2. POLY 'PIGTAIL' SHALL BE CSA SERIES 100 MEDIUM DENSITY POLYETHYLENE.
 3. DISTANCE FROM IRRIGATION PIPE TO SPRINKLER HEAD SHALL BE INDICATED ON AS BUILT DRAWINGS.
 4. SWING JOINT AND POLY PIGTAIL SHALL BE MIN. 350mm DEPTH AND SHALL HAVE 14 AWG GREEN TRACE WIRE FROM PIPE CONNECTION TO BASE OF SWING JOINT.
 5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.

C SWING JOINT
 L-907 SCALE 1:10

	PROJECT TITLE	DRAWN BY	SCALE
	SPECIFICATIONS	TCB	N.T.S.
	SHEET TITLE	DATE	SHEET NO.
	PIGTAIL SWING JOINT FOR HDPE	2016/08	IR-11
	DESIGN BY	DATE	FILE NO.



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The Alberta Association of Landscape Architects
 Ernie J Webster

Rev	Date	Des	Dwn	Chk	Description
0	2022-04-14	EJW	MD	EJW	ISSUED FOR TENDER

Rev	Date	Des	Dwn	Chk	Description

TOWN OF DRUMHELLER DOWNTOWN DIKE			
PHASE 1 LANDSCAPE DETAILS			
Project No.	133142	Drawing No.	L-907
Group	LANDSCAPE	Rev.	0