

BONNYBROOK CENTRE & CONTROL BUILDING RENOVATION WP4 - BONNYBROOK CENTRE



PROJECT NO.: 5987

ISSUED FOR: DEVELOPMENT PERMIT

VOLUME: 1 OF 1

PRELIMINARY - NOT FOR CONSTRUCTION

2025-03-17

DRAWING LIST

ARCHITECTURAL

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LANDSCAPE

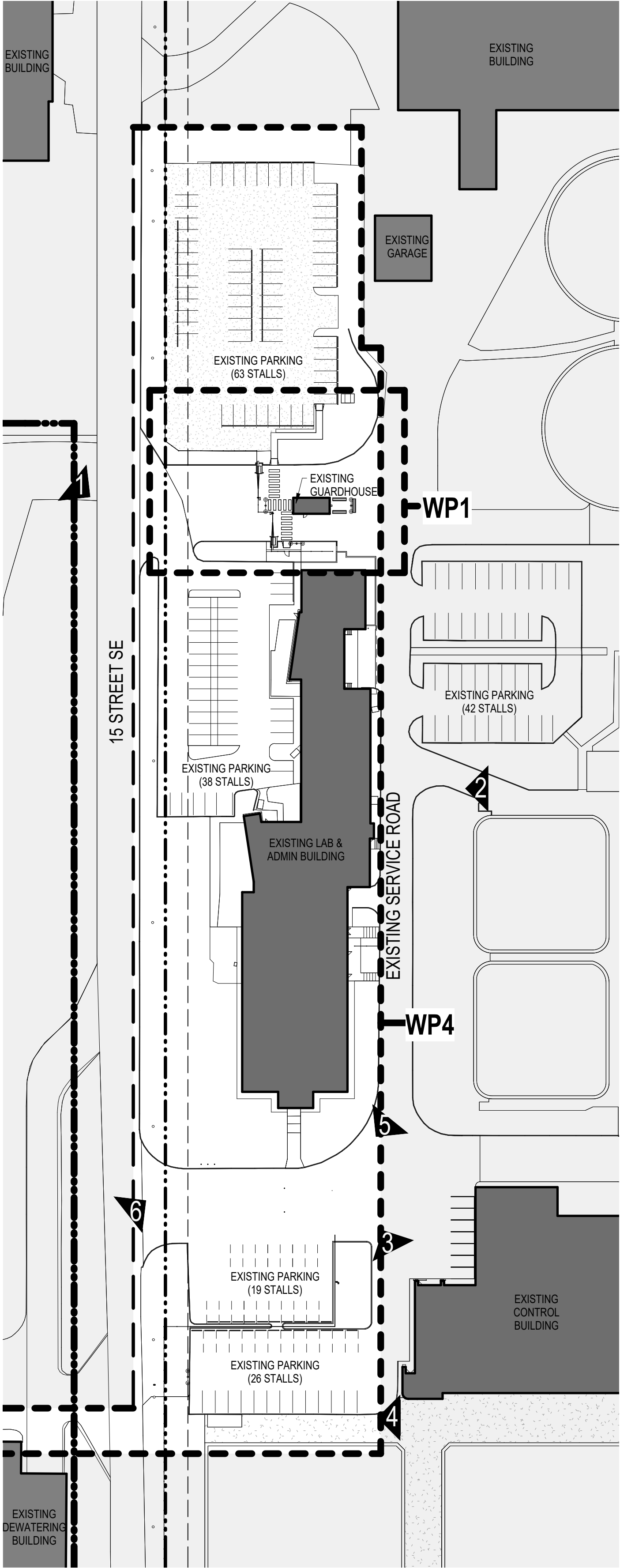
L100	SCHEMATIC LANDSCAPE PLAN
L200	LANDSCAPE DETAILS



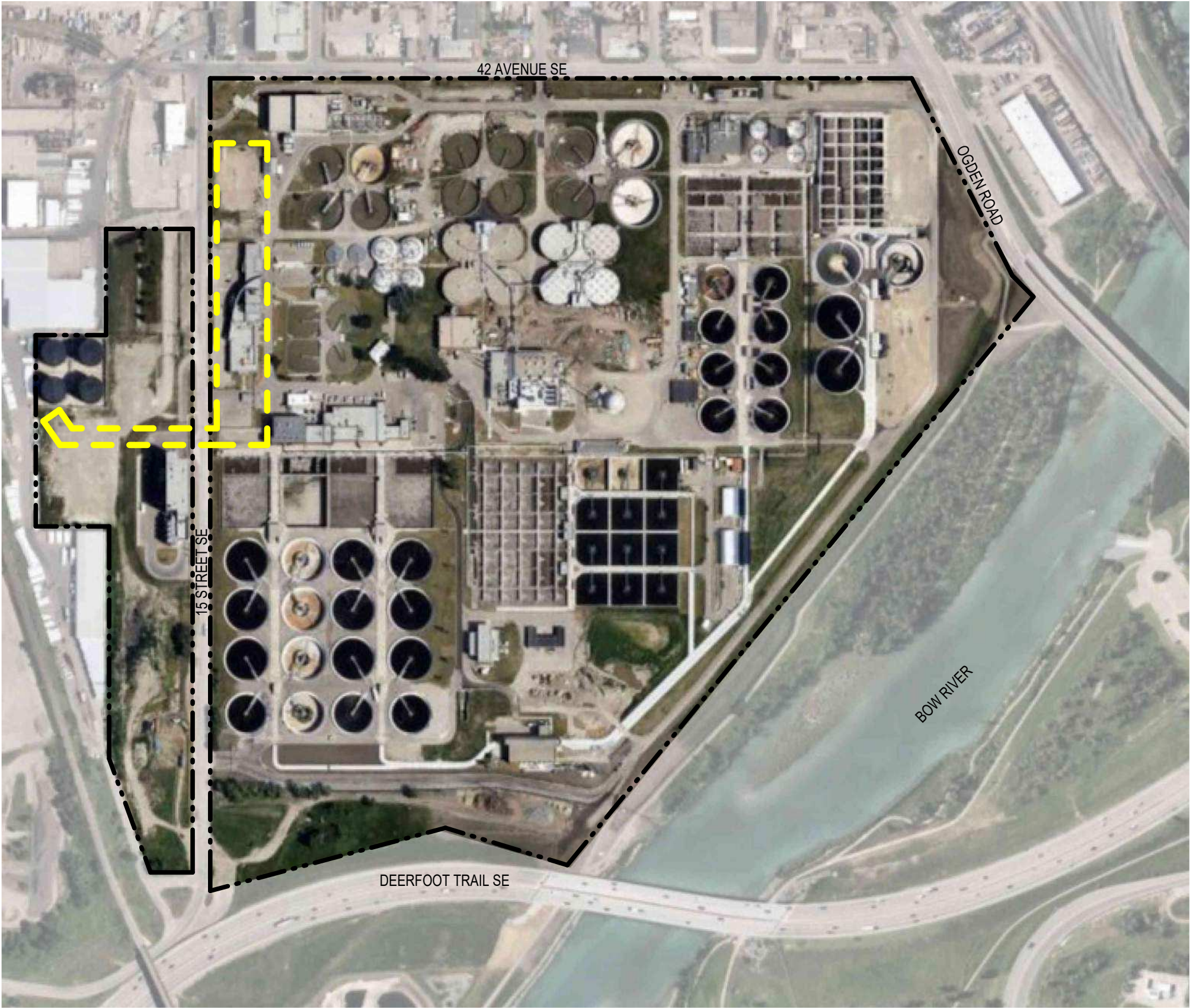
EXTERIOR RENDERING - VIEW FROM NORTHWEST



SCATLIFF + MILLER + MURRAY
visionary urban design + landscapes



1 DP - BBC - BBC PHOTOGRAPHY REFERENCE PLAN
DP-B04A-A102Scale: 1 : 750



KEY PLAN



1 BONNYBROOK SITE WEST FROM 15TH STREET SE



2 BONNYBROOK SITE EAST FROM SECURED AREA



3 BONNYBROOK SITE SOUTH



4 BONNYBROOK SITE SOUTH PARKING - LOOKING WEST



5 BONNYBROOK SITE GATEHOUSE - LOOKING WEST



6 BONNYBROOK SITE SOUTH FROM 15TH STREET SE



PROJECT DESCRIPTION

THE BONNYBROOK CENTRE (BBC) IS PART OF A MULTI-PHASE PROJECT AT THE BONNYBROOK WASTEWATER TREATMENT PLANT. THE PROJECT INCLUDES THE GUARDHOUSE REPLACEMENT (DP2020-5042), THE TEMPORARY FACILITIES (DP2024-08321),THE RENOVATION AND ADDITION OF THE CONTROL BUILDING (DP2024-07268), AND THE NEW BONNYBROOK CENTRE (BBC) FOR LAB AND ADMINISTRATIVE SPACES. THIS DEVELOPMENT PERMIT APPLICATION CONSISTS OF A NEW BUILD OF 10,650m². THE BUILDING CONSISTS OF LAB ON THE MAIN FLOOR, ADMINISTRATION SPACE ON LEVEL 2 AND 3 AND A MECHANICAL PENTHOUSE ON LEVEL 4. THE BUILDING HAS TWO BASEMENT LEVELS FOR SERVICE SPACES. THE LOWER BASEMENT CONNECTS TO THE EXISTING SERVICE TUNNEL SYSTEM. THIS PROPERTY CURRENTLY HAS 263 PARKING STALLS. THIS PROJECT SCOPE IS REMOVING 83 AND ADDING 87 PARKING STALLS. A TOTAL OF 4 PARKING STALLS ARE ADDED TO THE PROPERTY.

PROJECT INFORMATION & BYLAW REVIEW

MUNICIPAL ADDRESS: 4500 15 St SE Calgary, AB

LEGAL ADDRESS: LOT 1, BLOCK 1, PLAN 111 2448

LAND USE: S-CRI

PROPOSED FLOOR AREA: 10,650 m²

PROPERTY LINE SETBACK REQUIRED: 6m

STREET SETBACK REQUIRED: 6m

LANE SETBACK REQUIRED: 3m

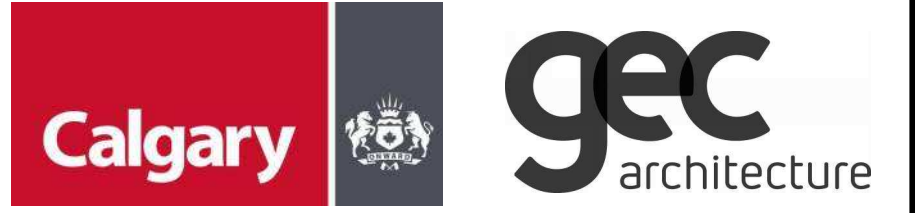
VEHICLE PARKING:

- NORTH OF BBC: 63 PARKING STALLS
- LAB / VISITOR PARKING: 87 PARKING STALLS
- EAST OF EXISTING LAB: 42 PARKING STALLS
- CONTROL BUILDING: 75 PARKING STALLS
- NEW BBC LOADING STALLS: 1 LOADING STALL REQUIRED, 5 ADDITIONAL PROVIDED

A	ISSUED FOR DEVELOPMENT PERMIT	2025-03-17		
NO.	DESCRIPTION	DATE	BY	APPD
PERMIT		SEAL		
PRELIMINARY - NOT FOR CONSTRUCTION				

	BY	DATE
DESIGNED	Designer	2025-03-17
DRAWN	Author	2025-03-17
CHECKED	Checker	2025-03-17

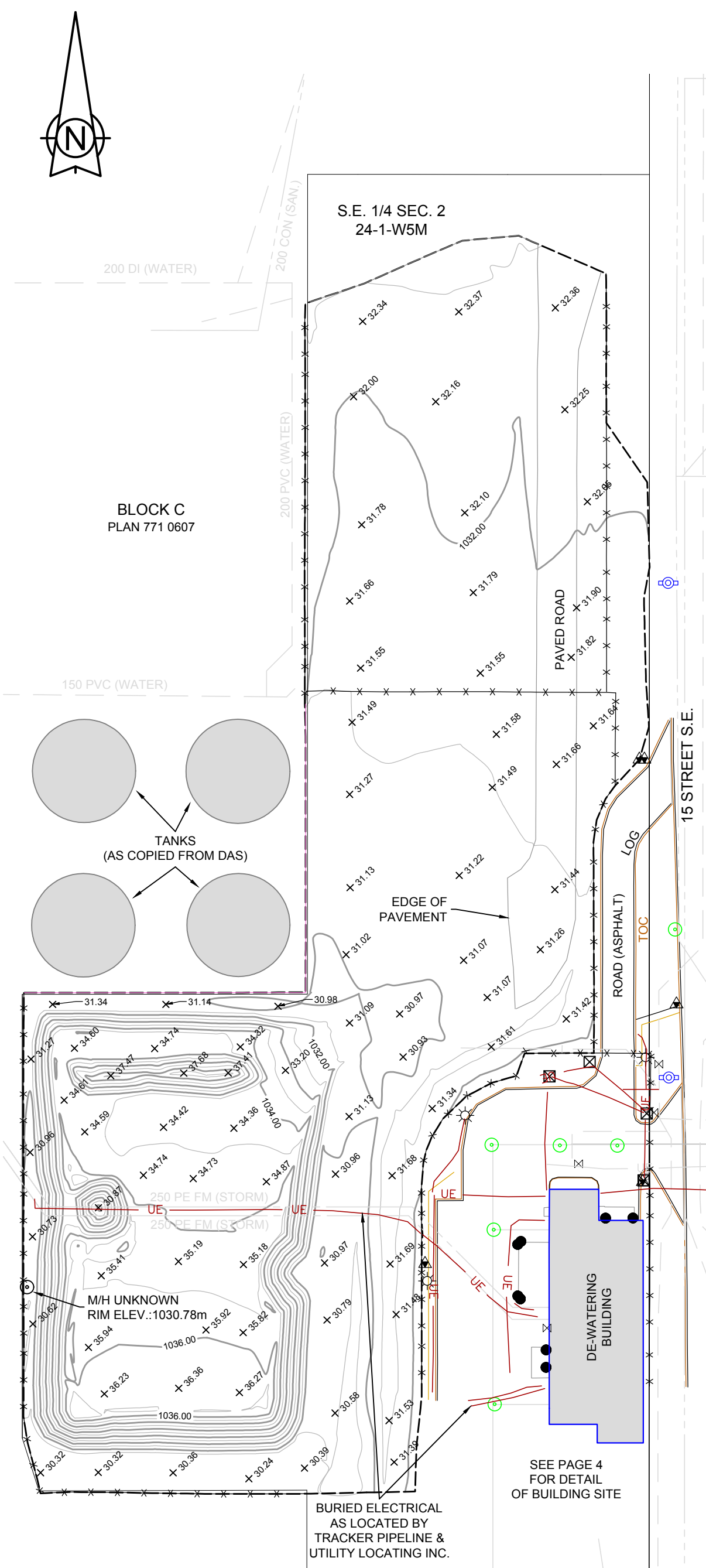
SCALE	As indicated
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PROJECT	BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION WP4 - BBC
4500 15 ST SE, Calgary, Alberta	Plan 111 2448, Block 1, Lot 1

SHEET TITLE	PROJECT INFORMATION, SITE PHOTOGRAPHS & BYLAW REVIEW
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	MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE WP4
ACTIVITY CODE	454718	ASSET ID
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID
GEC PROJECT NO. 5987	SHEET NO.	DP-B04A-A102



SKETCH PLAN OF WEST SITE

AFFECTING PORTIONS OF
S.E.1/4 Sec. 2, Twp. 24, Rge. 1, W.5M
WITHIN THE
S.E.1/4 Sec. 2, Twp. 24, Rge. 1, W.5M
CALGARY, ALBERTA 2024

LEGEND

- The following symbols may appear on this plan:
- Catch basins shown thus:
 - Manholes shown thus:
 - Street Lights / Lamp Standards / Davits shown thus:
 - Fire Hydrant shown thus:
 - Monitoring well shown thus:
 - Street Signs shown thus:
 - Water Valve shown thus:
 - Outdoor Electric Plugs shown thus:
 - Electric Junction Box shown thus:
- Coax Cable line shown thus: CA
- Storm line shown thus:
- Sanitary line shown thus:
- Water line shown thus:
- Gas line shown thus: G
- Buried Electrical line shown thus: UE

ABBREVIATIONS

- The following abbreviations may appear on this plan:
- | | |
|-------|---------------|
| BOC | Back of Curb |
| LOG | Lip of Gutter |
| CON. | Concrete |
| ELEV. | Elevation |
| SAN. | Sanitary |
| TOC | Top of Curb |

NOTES

Distances are in metres and decimals thereof
Bearings are grid bearings and are derived from
GNSS observations at ASCM 311787
Datum: NAD83 (Original)
Projection: 3TM
Reference Meridian: 114° West
Combined Scale Factor: 0.999741

Elevations shown are Geodetic and are derived from
Alberta Survey Control Marker 311787 (elevation=1057.591)

Major contour shown thus: 1076

Minor contour shown thus:

Contour Intervals are 1.0 metres

Spot elevations shown are Geodetic minus
1000 metres and shown thus: +35.20

Utility lines shown in grey represent CADRO data and were not
located in the field. Underground Utility and Services lines shown
are copied from CADRO files except where noted otherwise.
No warranty or representation as to the completeness or accuracy
of said reproduction or information thereon is made with respect
to CADRO data. Shallow utility companies should be contacted
prior to construction for the most current information.



REQUESTED BY:
THE CITY OF CALGARY - BUILDINGS & ARCHITECTURE

SURVEYOR:
STEVE MEEHAN, A.L.S.
Field survey was performed between the dates of
December 17-18, 2024

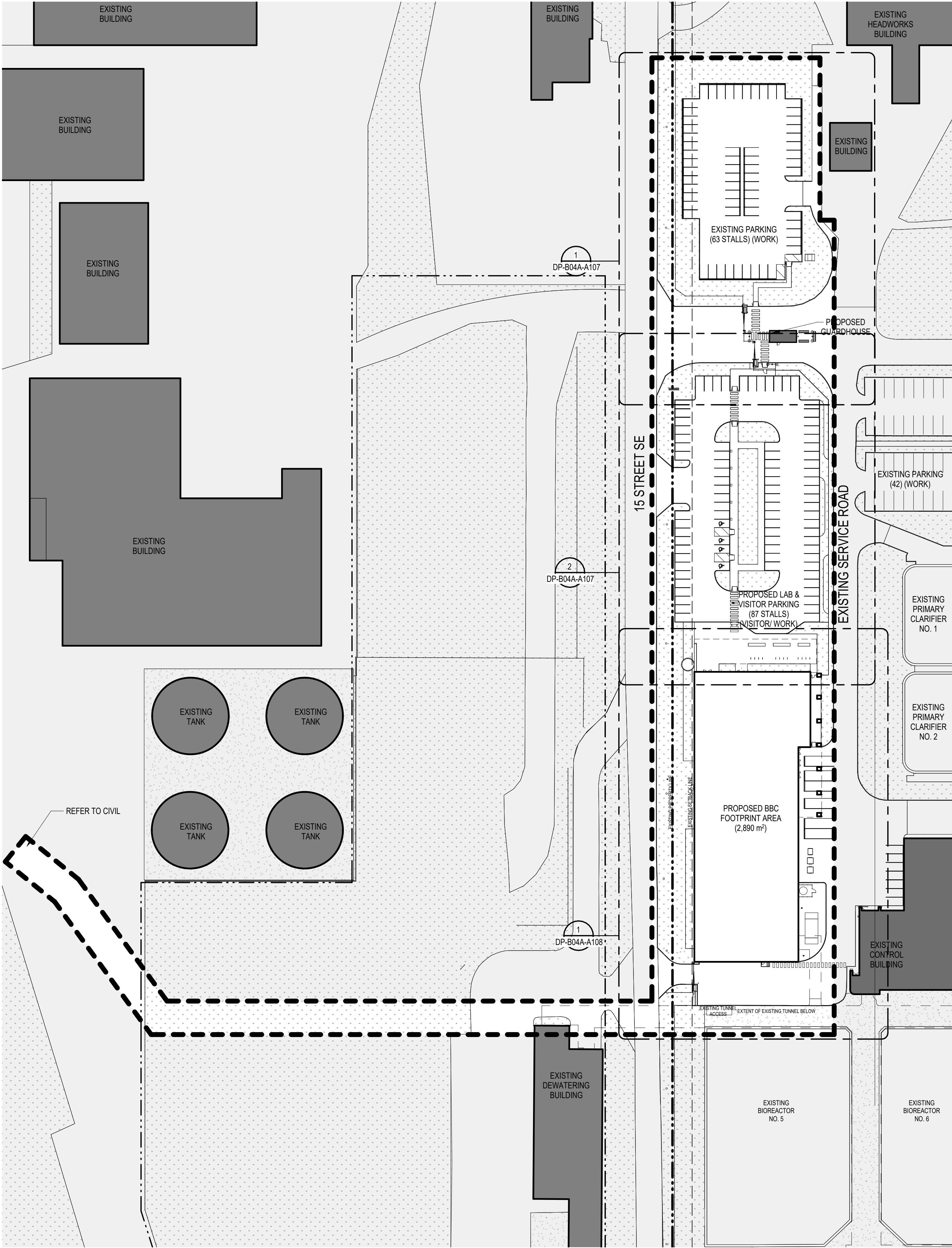
ADDRESS:
4302 - 4500 15 STREET S.E.

© The City of Calgary, 2024

THE CITY OF CALGARY

Field Surveying Services Division
800 Macleod Trail SE, Calgary, AB T2P 2M5

Date: December 31, 2024	Surveyed by: DM
File No.: 2024-0508	Drawn by: EO
Drawing Name: 2024-0508-SKETCH-02	Checked: SM



1 DP - BBC - PROPOSED SITE PLAN
DP-B04A-A105scale: 1 : 750



SITE PLAN LEGEND

- AREA OUTSIDE OF PROJECT SCOPE
- EXISTING BUILDING
- PROPERTY LINE
- SETBACK LINE
- FENCE LINE
- NEW BOLLARD
- HYDRANT
- MANHOLE
- CATCH BASIN
- EV CHARGER
- UTILITY POLE

- WP1** WORK PACKAGE #1 - NEW GUARDHOUSE (PHASE 1)
DP2020-5042
BP2024-18652
- WP2** WORK PACKAGE #2 - CONTROL BUILDING RENOVATION & ADDITION (PHASE 3)
DP2024-07268
- WP3** WORK PACKAGE #3 - ADMINISTRATION BUILDING DEMOLITION (PHASE 4)
- WP4** WORK PACKAGE #4 - NEW BONNYBROOK CENTRE (BBC) & PARKING LOT (PHASE 5, 6, 7)
- WP5** WORK PACKAGE #5 - TEMPORARY FACILITIES FOR THE CONTROL BUILDING CONSTRUCTION (PHASE 2)
DP2024-08321

SITE PLAN NOTES

MUNICIPAL ADDRESS:
4500 15 ST SE, CALGARY, AB T2G 3M8

LEGAL ADDRESS:
LOT 1, BLOCK 1, PLAN 111 2448
WITHIN THE S.W. 1/4 SEC. 1, TWP. 24, RGE. 1, W5m

PARCEL AREA:
407,270 m²

FLOOR AREA RATIO:
10,675 m² / 407,270 m² = 0.026

A NO.	ISSUED FOR DEVELOPMENT PERMIT DESCRIPTION	2025-03-17 DATE	BY	APPD
PERMIT		SEAL		
PRELIMINARY - NOT FOR CONSTRUCTION				
DESIGNED	BY Designer	DATE 2025-03-17 (YYYY-MM-DD)		
DRAWN	Author	2025-03-17		
CHECKED	Checker	2025-03-17		

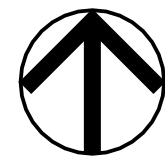
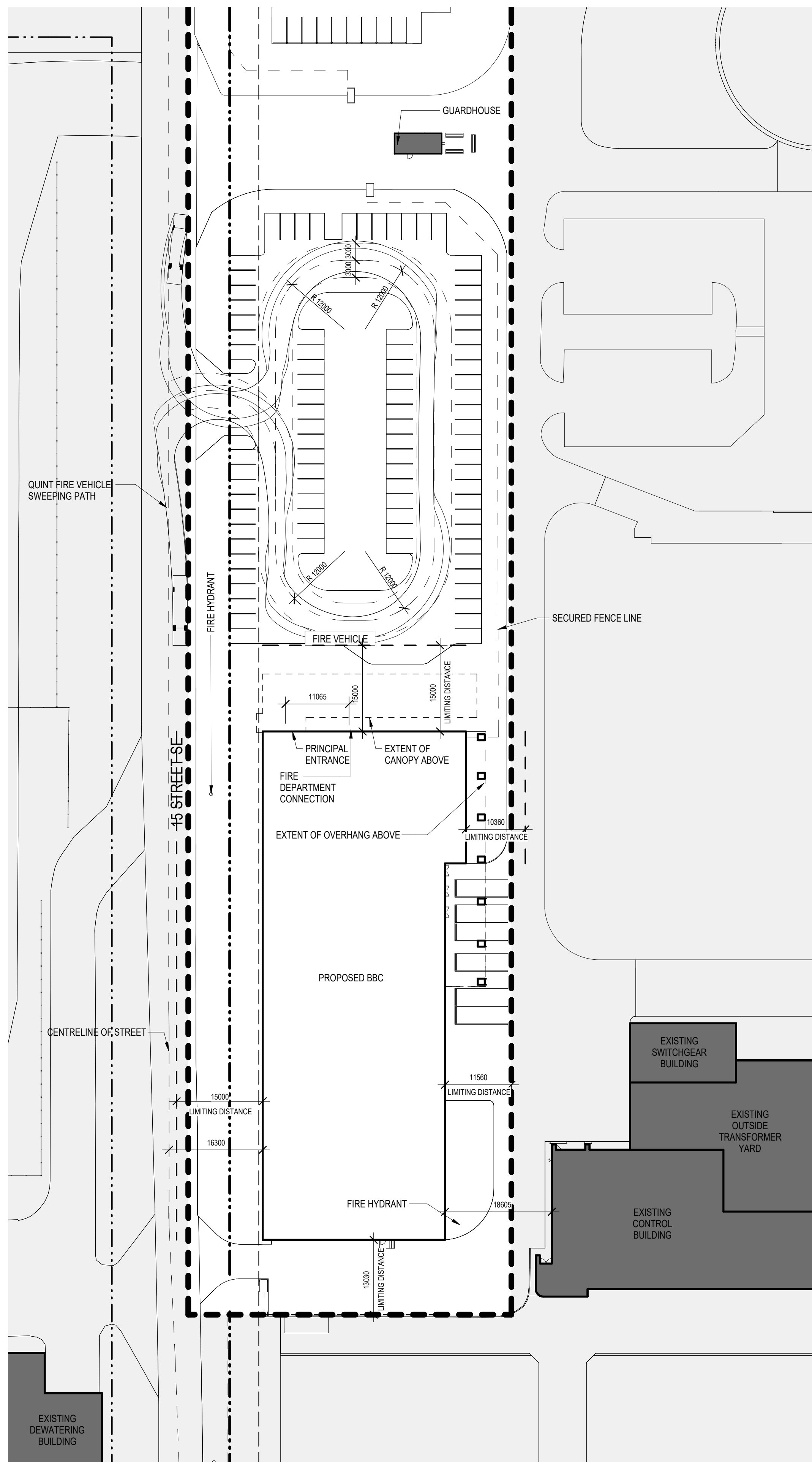
SCALE
As indicated



PROJECT
BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION
WP4 - BBC
4500 15 ST SE, Calgary, Alberta
Plan 111 2448, Block 1, Lot 1

SHEET TITLE
SITE PLAN - BBC PROPOSED

	MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE WP4
ACTIVITY CODE	454718	ASSET ID
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID
GEC PROJECT NO. 5987	SHEET NO. DP-B04A-A105	



TRUE
NORTH

NOTES

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CHECKED	Checker	2025-03-17

SCALE	As indicated
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PROJECT

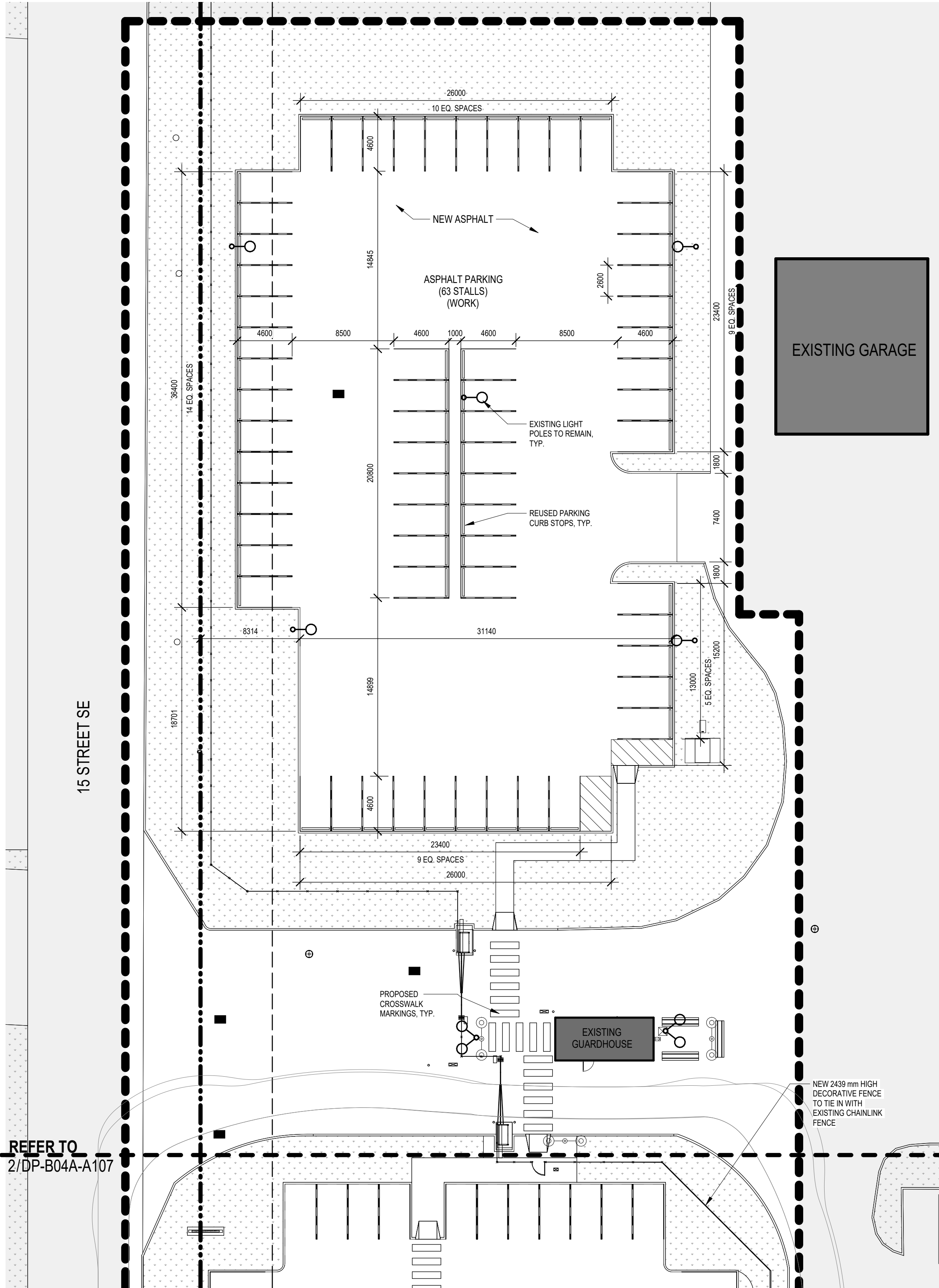
BONNYBROOK CENTRE AND
CONTROL BUILDING RENOVATION
WP4 - BBC

4500 15 ST SE, Calgary, Alberta

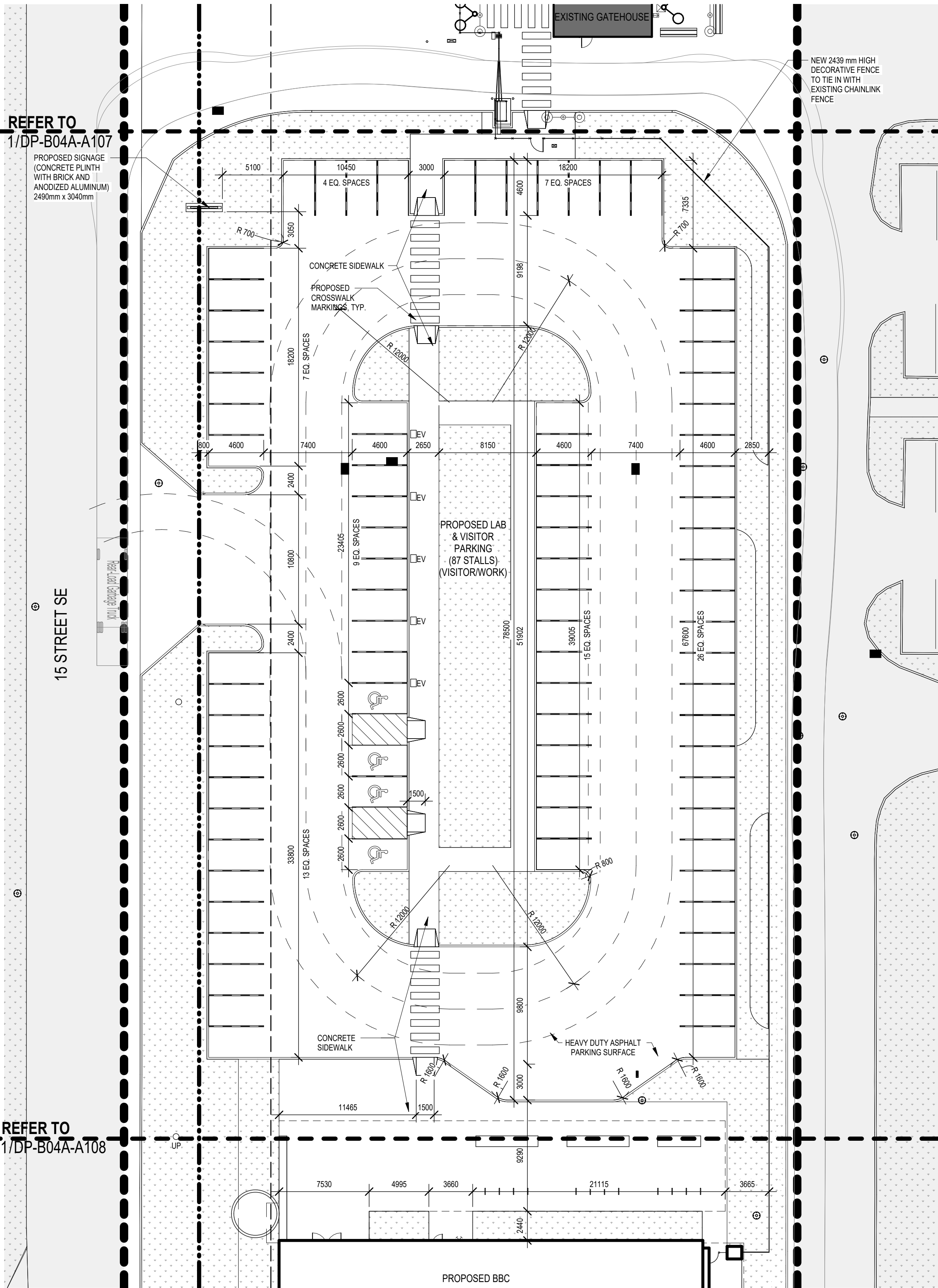
Plan 111 2448, Block 1, Lot 1

SHEET TITLE BUILDING CODE SITE PLAN

		MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE	WP4
ACTIVITY CODE	454718	ASSET ID	
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID	
GEC PROJECT NO. 5987		SHEET NO. DP-B04A-A106	



1 DP - BBC - SITE PLAN - BBC NORTH PARKING
DP-B04A-A107Scale: 1 : 250



2 DP - BBC - SITE PLAN - BBC PROPOSED LAB / VISITOR PARKING
DP-B04A-A107Scale: 1 : 250

SITE PLAN LEGEND

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BP2024-18652
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DP2024-08321

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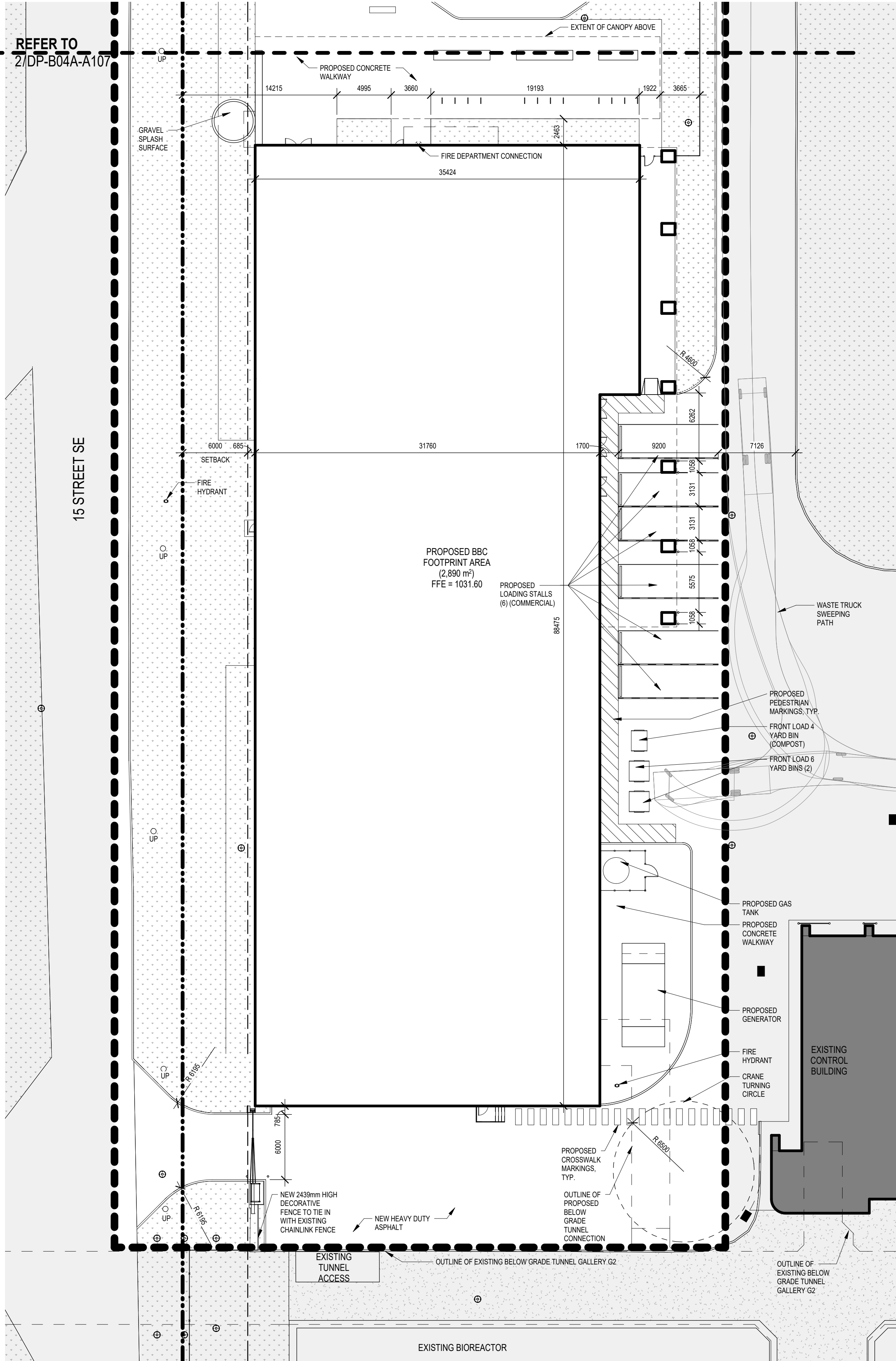
SCALE As indicated



PROJECT BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION WP4 - BBC
4500 15 ST SE, Calgary, Alberta Plan 111 2448, Block 1, Lot 1

SHEET TITLE SITE PLAN - BBC PROPOSED PARKING

	MICROFILM NO.	XXX.XXX
UPN	WORK PACKAGE	WP4
ACTIVITY CODE	ASSET ID	454718
PSD PROJECT	CORPORATE STRUCTURES ID	23088-23
GEC PROJECT NO. 5987	SHEET NO.	DP-B04A-A107



REFER TO
2/DP-B04A-A107

15 STREET SE



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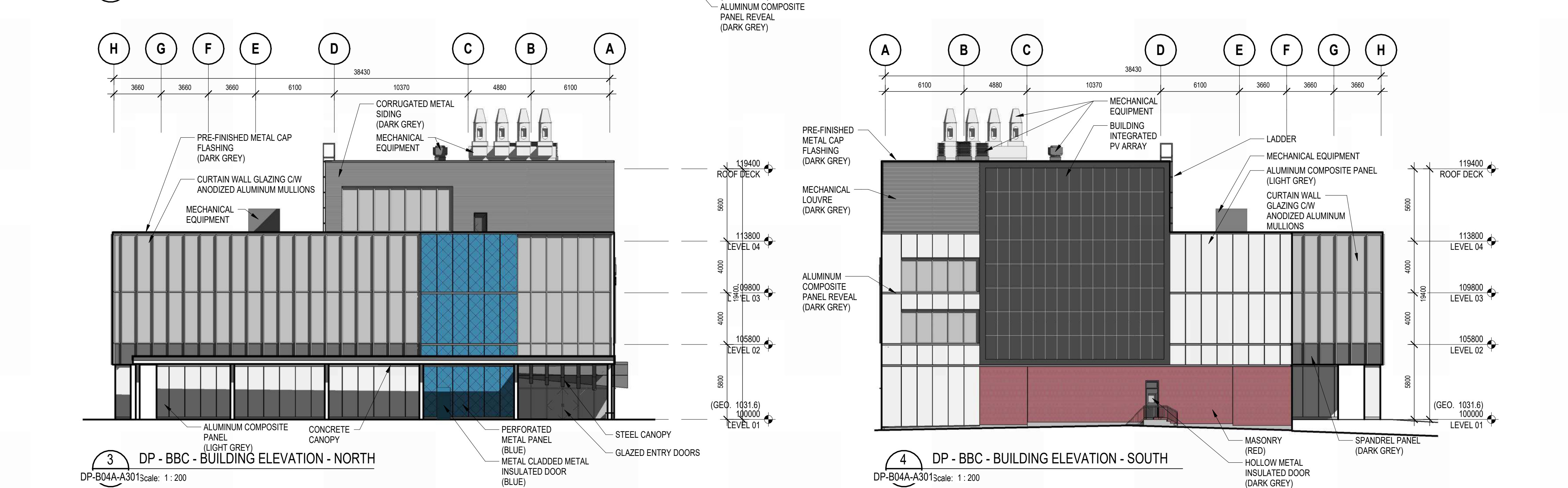


PROJECT
BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION
WP4 - BBC

4500 15 ST SE, Calgary, Alberta Plan 111 2448, Block 1, Lot 1

SHEET TITLE		SITE PLAN - BBC PROPOSED	
	MICROFILM NO.	XXX.XXX	
UPN	101679	WORK PACKAGE	WP4
ACTIVITY CODE	454718	ASSET ID	
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID	
GEC PROJECT NO. 5987		SHEET NO. DP-B04A-A108	

1 DP - BBC - SITE PLAN - BBC PROPOSED
DP-B04A-A108Scale: 1 : 250



ELECTRICAL DRAWING LIST (WP4 DP)	
SHEET NO.	SHEET NAME
DP-B04A-E000	ELECTRICAL SYMBOL LEGEND, DRAWING LIST AND KEYPLAN
DP-B04A-E001	ELECTRICAL SITE PLAN
DP-B04A-E100	PROPOSED SITE LIGHTING PLAN - PHASE 4
DP-B04A-E101	PROPOSED SITE LIGHTING CALCULATIONS - PHASE 4
Number of Sheets: 4	

ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
LIGHTING	
	LIGHT FIXTURE - LETTER DENOTES FIXTURE TYPE
	LIGHT FIXTURE - EXISTING TO REMOVE OR RELOCATE
	LIGHT FIXTURE - ON EMERGENCY POWER
	LIGHT FIXTURE - SUSPENDED
	LIGHT FIXTURE - RECESSED
	LIGHT FIXTURE STRIP LIGHT - LETTER DENOTES FIXTURE TYPE
	LIGHT FIXTURE STRIP LIGHT - EXISTING TO REMOVE OR RELOCATE
	LIGHT FIXTURE STRIP LIGHT - ON EMERGENCY POWER
	LIGHT FIXTURE STRIP LIGHT - SUSPENDED
	LIGHT FIXTURE STRIP LIGHT - WALL MOUNTED
	LIGHT FIXTURE STRIP LIGHT - UNDER COUNTER
	LIGHT FIXTURE DOWNLIGHT - LETTER DENOTES FIXTURE TYPE
	LIGHT FIXTURE DOWNLIGHT - EXISTING TO REMOVE OR RELOCATE
	LIGHT FIXTURE DOWNLIGHT - ON EMERGENCY POWER
	LIGHT FIXTURE PENDANT
	TRACK LIGHTING FIXTURE - LETTER DENOTES FIXTURE TYPE
	LIGHT FIXTURE INTERIOR - SCONCE
	LIGHT FIXTURE EXTERIOR - WALL MOUNTED
	LIGHT FIXTURE EXTERIOR - POLE MOUNTED
	LIGHT FIXTURE EXTERIOR ON EMERGENCY POWER - POLE MOUNTED
	LIGHT FIXTURE EXTERIOR - BOLLARD

ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
POWER	
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET - FLOOR MOUNTED
	DUPLEX RECEPTACLE OUTLET - FURNITURE MOUNTED
	SINGLE RECEPTACLE OUTLET - RATING AS NOTED
	DUPLEX RECEPTACLE C/W GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
	DUPLEX RECEPTACLE SPLIT FEED
	ISOLATED GROUND DUPLEX RECEPTACLE OUTLET
	ISOLATED GROUND DUPLEX RECEPTACLE OUTLET - FLOOR MOUNTED
	ISOLATED GROUND DUPLEX RECEPTACLE OUTLET - FURNITURE
	POWER DIRECT CONNECTION TO FURNITURE SYSTEM
	HOSPITAL GRADE DUPLEX RECEPTACLE OUTLET
	HOSPITAL GRADE DUPLEX RECEPTACLE OUTLET - ISOLATED GROUND
	DUPLEX RECEPTACLE OUTLET - CEILING MOUNTED
	DUPLEX RECEPTACLE OUTLET - WITH USB, HDMI OR COAXIAL
	TWISTLOCK RECEPTACLE OUTLET - RATING AS NOTED
	DUPLEX RECEPTACLE OUTLET - CAR PEDESTAL
	DIRECT CONNECT TO EQUIPMENT AS NOTED
	MULTI-GANG OUTLET ASSEMBLY TYPE - SEE CONFIGURATION DETAILS
	TWO-GANG MULTI-OUTLET ASSEMBLY
	TWO-GANG MULTI-OUTLET ASSEMBLY - CEILING MOUNTED
	FOUR-GANG MULTI-OUTLET ASSEMBLY - CEILING MOUNTED
	TWO-GANG MULTI-OUTLET ASSEMBLY - FLOOR MOUNTED
	FOUR-GANG MULTI-OUTLET ASSEMBLY
	FOUR-GANG MULTI-OUTLET ASSEMBLY - FLOOR MOUNTED
	TWO-GANG MULTI-OUTLET ASSEMBLY - HOSPITAL GRADE
	VERTICAL SERVICE COLUMN WITH SERVICES AS INDICATED
	VERTICAL SERVICE COLUMN SUPPLIED BY FURNITURE MANUFACTURER
	GROUND BAR
	ELECTRICAL PANELBOARD AS NOTED - RECESSED
	ELECTRICAL PANELBOARD AS NOTED
	ELECTRICAL CABINET AS NOTED - RECESSED
	ELECTRICAL CABINET AS NOTED
	CENTRAL DISTRIBUTION PANEL AS NOTED
	TRANSFORMER AS NOTED
	2x METER STACK WITH BUSWAY
	ELECTRICAL CIRCUIT FROM PANEL 'RB', NO. 28

ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
FIRE ALARM	
	FIRE ALARM VOICE COMMUNICATIONS SPEAKER - CEILING MOUNTED
	FIRE ALARM VOICE COMMUNICATIONS SPEAKER - WALL MOUNTED
	FIRE ALARM VOICE COMMUNICATIONS SPEAKER WITH STROBE
	FIRE ALARM VOICE COMMUNICATIONS SPEAKER WITH STROBE - WALL
	LIFE SAFETY HORN - CEILING MOUNTED
	LIFE SAFETY HORN - WALL MOUNTED
	LIFE SAFETY HORN WITH STROBE - CEILING MOUNTED
	LIFE SAFETY HORN WITH STROBE - WALL MOUNTED
	FIRE ALARM STROBE - CEILING MOUNTED
	FIRE ALARM STROBE - WALL MOUNTED
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM SMOKE ALARM
	CARBON MONOXIDE DETECTOR
	FIRE ALARM COMBINATION SMOKE / CO DETECTOR
	FIRE ALARM SMOKE DETECTOR - DUCT MOUNTED
	FIRE ALARM HEAT DETECTOR - RATE-OF-RISE
	FIRE ALARM HEAT DETECTOR - FIXED TEMPERATURE
	FIRE ALARM BELL
	FIRE ALARM BELL - FLUSH WALL MOUNTED
	EVACUATION HORN
	EVACUATION HORN WITH STROBE
	FIRE ALARM BELL WITH STROBE
	FIREMENS TELEPHONE HANDSET
	DO NOT ENTER SIGN
	SPRINKLER FLOW SWITCH
	SPRINKLER SUPERVISED VALVE
	PRESSURE SWITCH
	DRY PIPE SOLENOID VALVE
	MOTORIZED DAMPER CONTROLLER
	MOTORIZED DAMPER OPEN MONITOR POSITION SWITCH
	MOTORIZED DAMPER CLOSED MONITOR POSITION SWITCH
	END-OF-LINE RESISTOR
	FIRE ALARM ADDRESSABLE MODULE
	FIRE ALARM LOOP ISOLATION MODULE
	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE
	FIRE ALARM ADDRESSABLE MONITOR MODULE
	FIRE ALARM CONTROL PANEL AS NOTED - RECESSED
	FIRE ALARM CONTROL PANEL AS NOTED

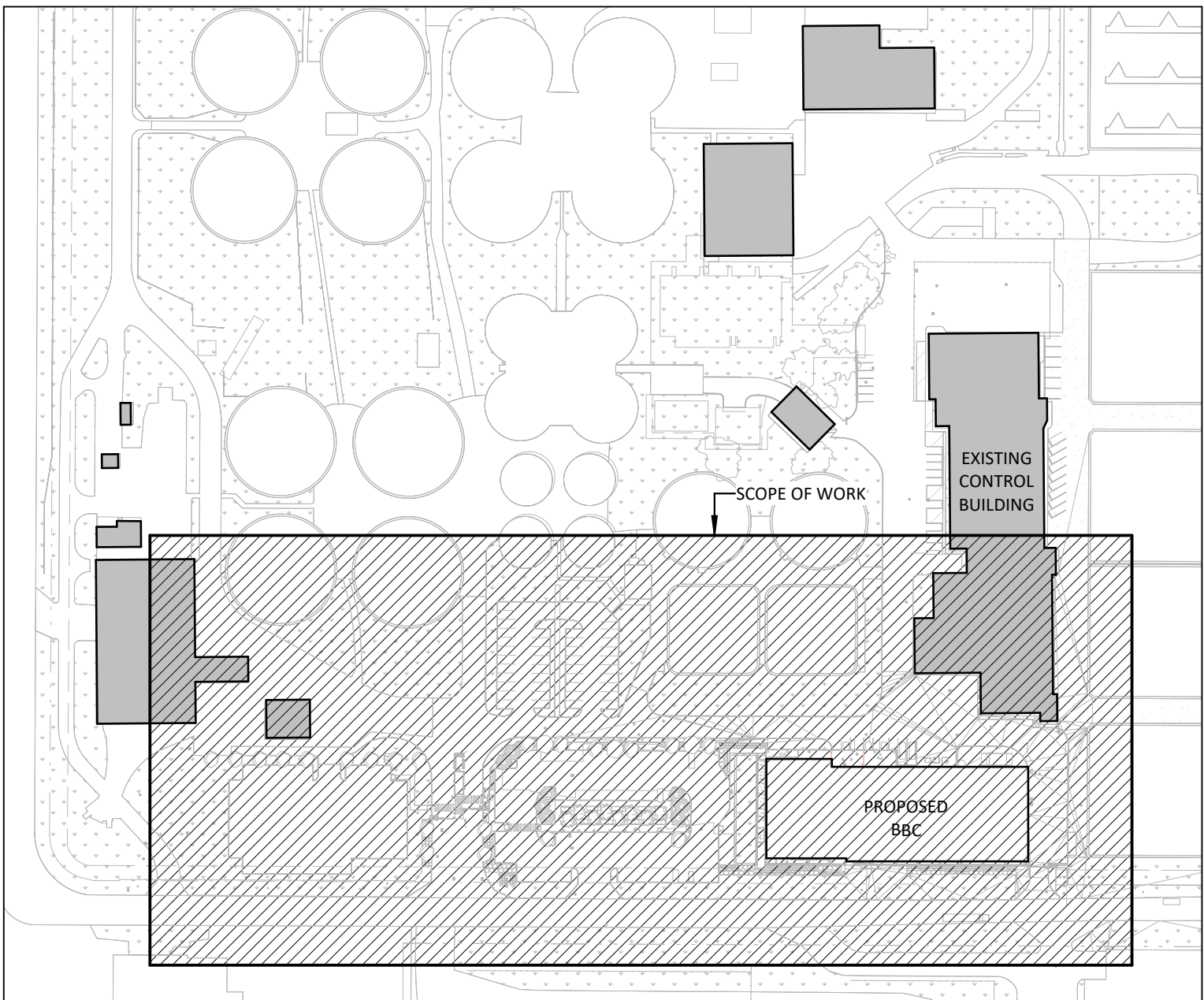
ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
SECURITY	
	SECURITY CARD READER
	SECURITY PUSH BUTTON - REQUEST TO EXIT
	SECURITY ELECTRIC STRIKE
	SECURITY DOOR CONTACT
	SECURITY DOOR ELECTRICAL MAGNETIC LOCK
	SECURITY MOTION SENSOR
	SECURITY PUSH BAR
	SECURITY DOOR HOLD OPEN
	SECURITY KEYPAD ACCESS
	SECURITY DOOR PULL STATION
	BARRIER FREE TOUCHLESS PUSH BUTTON
	INTERCOM
	BUZZER
	DURESS PUSH BUTTON
	BELL
	SECURITY ALARM HORN
	SECURITY CAMERA
	SECURITY CAMERA - PTZ
	SECURITY JUNCTION BOX

ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
COMMUNICATION	
	UNIVERSAL SERVER RACK
	COMMUNICATION PANEL AS NOTED
	COMMUNICATION PANEL AS NOTED - RECESSED
	FIRE RATED PLYWOOD BACKBOARD AS NOTED
	TELEPHONE JACK COMMUNICATION OUTLET
	VOICE / DATA COMMUNICATION OUTLET
	TELEPHONE JACK COMMUNICATION OUTLET - FURNITURE MOUNTED
	VOICE / DATA COMMUNICATION OUTLET - FURNITURE MOUNTED
	COMMUNICATIONS DIRECT CONNECTION TO FURNITURE SYSTEM
	VOICE / DATA COMMUNICATION OUTLET - FLOOR MOUNTED
	WIRELESS ACCESS POINT DATA COMMUNICATION OUTLET - CEILING
	COMMUNICATION CONSOLIDATION POINT
	COAXIAL COMMUNICATION OUTLET
	CELL BOOSTER
	SOUND MASKING DEVICE
	SOUND MASKING SYSTEM
	COMMUNICATION PULLBOX AS NOTED
	COMMUNICATION PULLBOX
	COMMUNICATION PULLBOX - BASE BUILDING
	DATA COMMUNICATION OUTLET NUMBERING
	VOICE COMMUNICATION OUTLET NUMBERING

ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
SINGLE LINE DIAGRAM	
	TRANSFORMER
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	FUSE
	BREAKER
	DISCONNECT
	FUSED DISCONNECT
	DRAW OUT AIR CIRCUIT BREAKER
	DISCONNECT WITH CURRENT OVERLOADS
	METER BASE C/W METER
	GENSET
	ELECTRICAL PANEL

ELECTRICAL SYMBOL LEGEND	
NEW	DESCRIPTION
GENERAL DESIGNATIONS	
	CONDUIT RUN IN WALL / CEILING
	CONDUIT WITH 3 PHASE CONDUCTOR, ONE NEUTRAL CONDUCTOR AND ONE ISOLATED GROUND CONDUCTOR
	CONDUIT RUN UP
	CONDUIT RUN DOWN
	CONDUIT ENDS, STUB OR CAPPED
	CONDUIT CONTINUATION
	CONDUIT HOMERUN TO PANELBOARD
	WIRE INTERCEPTION
	CONDUIT RUN UNDER FLOOR, IN SLAB OR BELOW GRADE
	COMMUNICATION CABLE
	CONDUIT RUN IN WALL / CEILING (DC CIRCUIT)
	LIGHTING ZONE
	ROOM NUMBER
	DENOTES MOUNTING HEIGHT ABOVE FINISHED FLOOR
	ADJACENT LETTERS DENOTE WEATHER PROOF
	LETTER DENOTES DEVICE OR OUTLET TO BE REMOVED OR RELOCATED
	ADDENDUM / CHANGE NOTICE NUMBER
	KEYNOTE NUMBER - LETTER DENOTES ELECTRICAL SYSTEM TYPE

1 EX-XX	VIEW TITLE SCALE: AS INDICATED
1 EX-XX SECTION	1 EX-XX ELEVATION



1 SD - BBC - PROPOSED SITE - KEY PLAN
DP-B04A-E000 SCALE: 1:2000

A	ISSUED FOR DEVELOPMENT PERMIT	03/14/2025	VB	EB
NO.	DESCRIPTION	DATE	BY	APPD
PERMIT	PERMIT TO PRACTICE Mulvey + Barton International (Alberta) Inc. Signature: APEGA ID: ID 287363 Date 2025-03-14 PERMIT NUMBER: P03468 The Association of Professional Engineers and Geoscientists of Alberta	SEAL		

DESIGNED	BY	DATE
DRAWN	EB	12/06/2024
CHECKED	MM	12/06/2024
SCALE	EB	12/06/2024

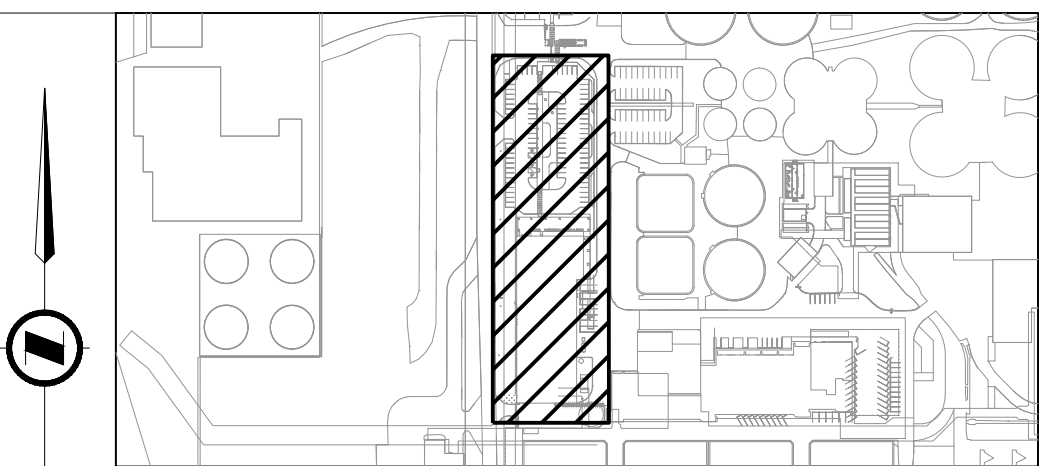
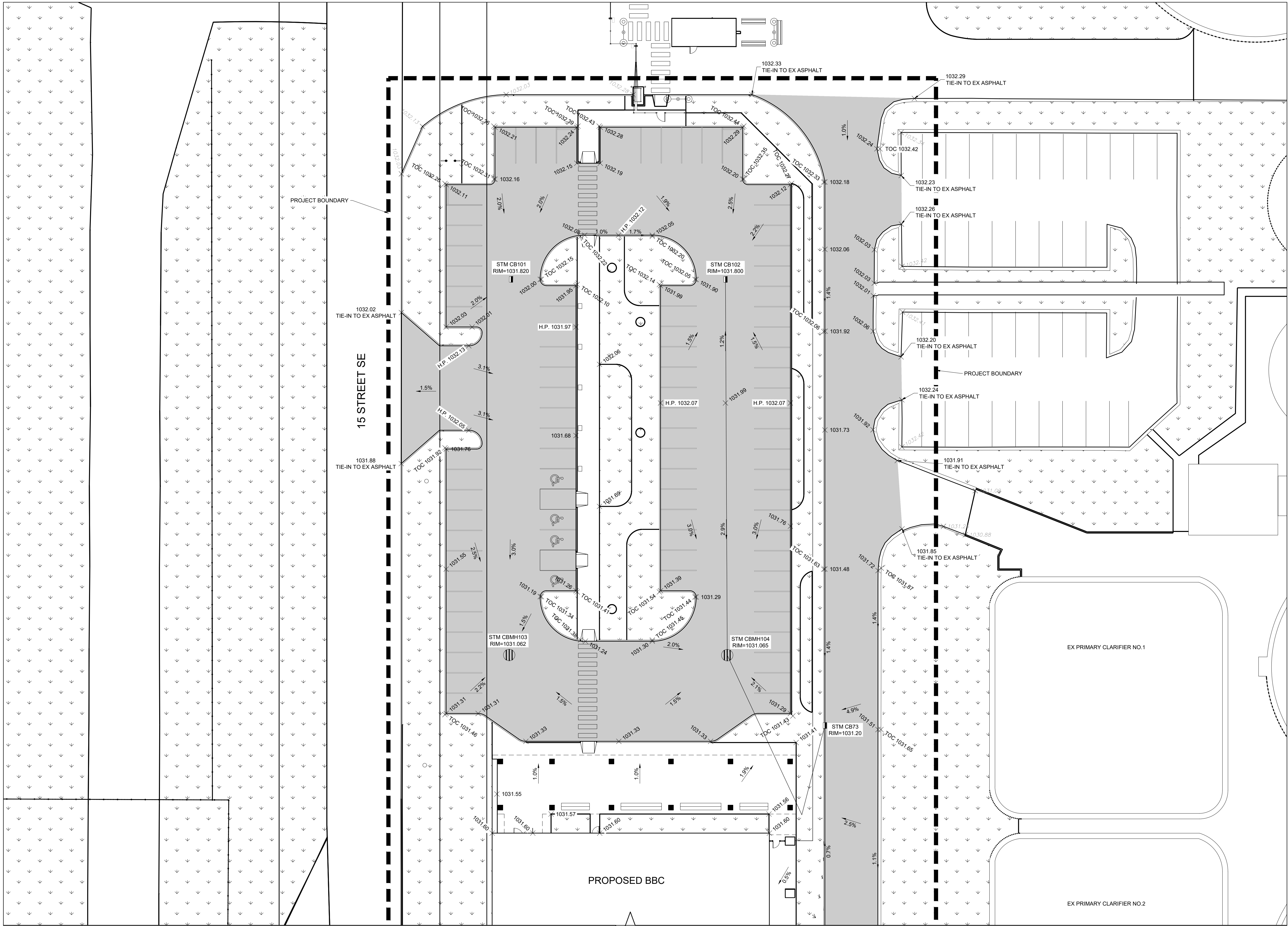
As indicated



PROJECT BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION
4500 15th STREET SE, CALGARY, AB

SHEET TITLE ELECTRICAL SYMBOL LEGEND, DRAWING LIST AND KEYPLAN

	MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE WP4
ACTIVITY CODE	454718	ASSET ID XXXXX
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID XXXXXXX
M+B PROJECT NO. 2024-0092	SHEET NO. DP-B04A-E000	



NOTES

1. ALL PIPE SIZES ARE IN MILLIMETRES AND ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES AND DISTANCES ARE BASED ON 3TM COORDINATE SYSTEM (NAD 83).



NAD 83
COORDINATES

C	ISSUED FOR DEVELOPMENT PERMIT	2025-03-17	JMB	JH
B	ISSUED FOR SCHEMATIC REVIEW	2024-12-19	JMB	JH
A	ISSUED FOR SCHEMATIC DESIGN REPORT	2024-09-10	JMB	JH
NO.	DESCRIPTION	DATE	BY	APPD

PERMIT	SEAL
PERMIT TO PRACTICE READ JONES CHRISTOFFERSEN LTD RM SIGNATURE: <i>Cory Vogt</i> RM APEGA ID #: 93125 DATE: 2025-03-25 PERMIT NUMBER: P000152 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)	

DESIGNED	JMB	DATE (YYYY-MM-DD)	2025-02-28
DRAWN	GMC		2025-03-13
CHECKED	JMB		2025-03-13
SCALE	1:250		

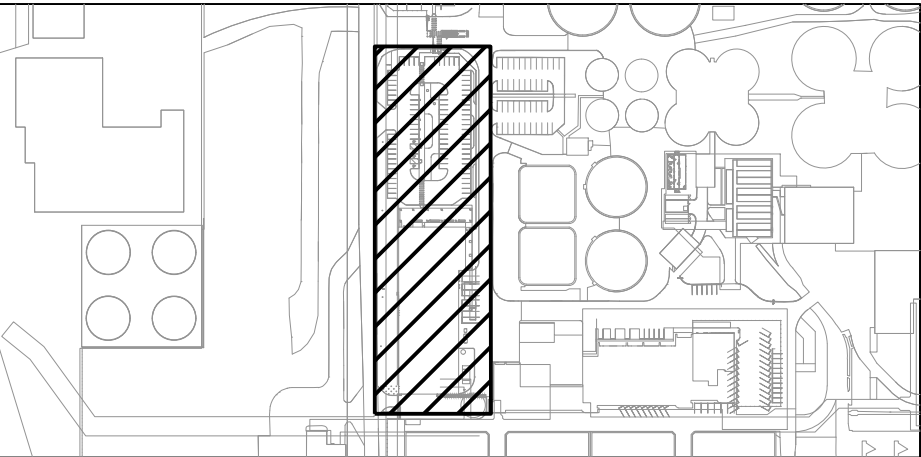


PROJECT **BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION**

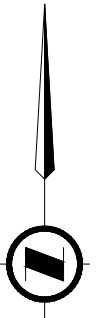
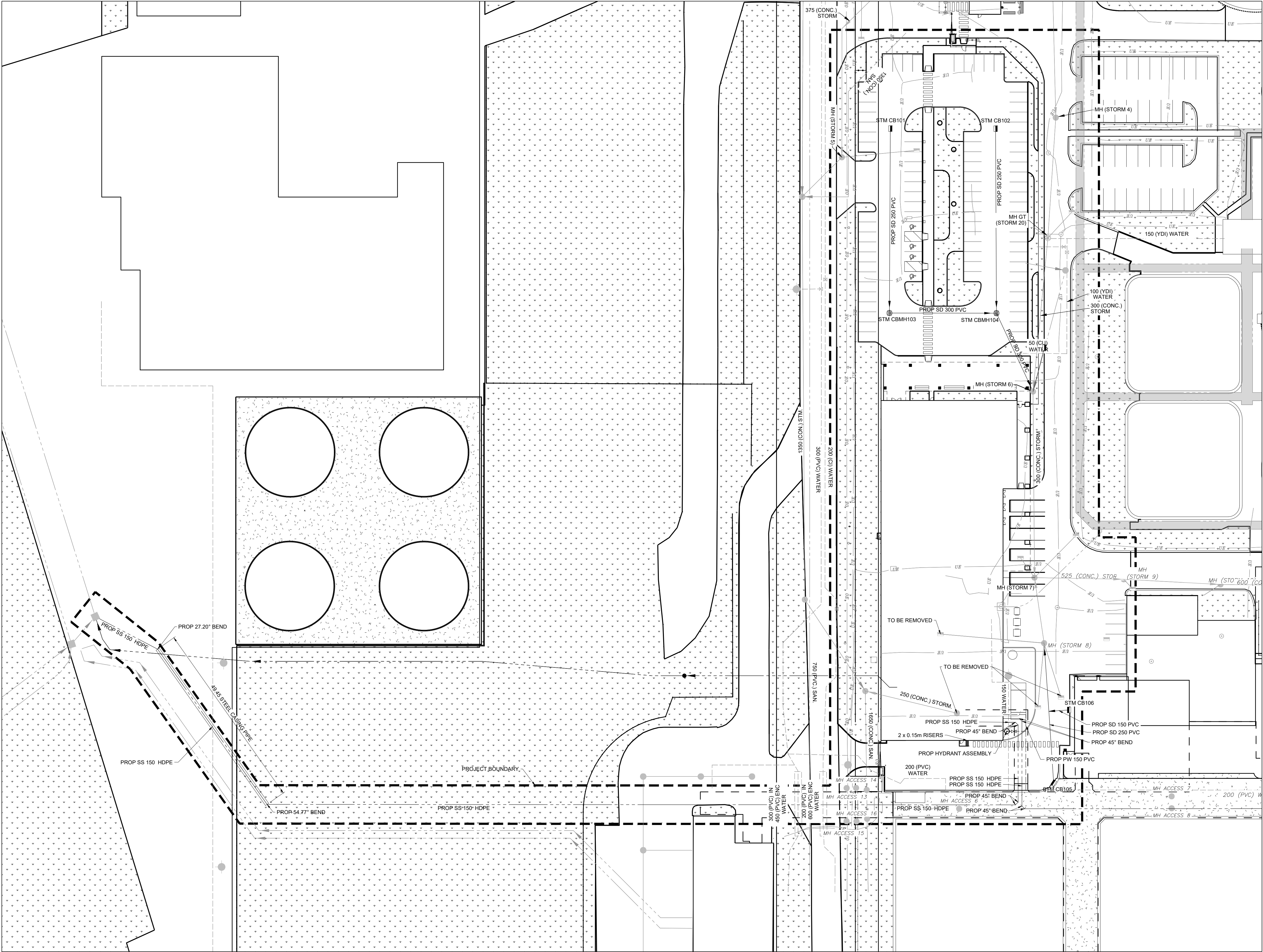
SEC: 1 - TWP: 024 - RGE: 001 - W 5th M

SHEET TITLE **GRADING PLAN - 1**

	MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE WP4
ACTIVITY CODE	454718	ASSET ID XXXXX
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID XXXXXX
GEC PROJECT NO. 5987	SHEET NO. C100	



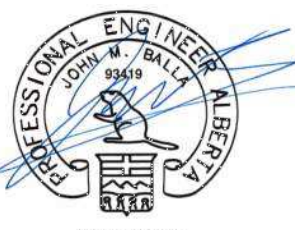
**Click
Before
You Dig**



- ### NOTES
1. ALL PIPE SIZES ARE IN MILLIMETRES AND ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
 2. ALL COORDINATES AND DISTANCES ARE BASED ON STM COORDINATE SYSTEM (NAD 83).

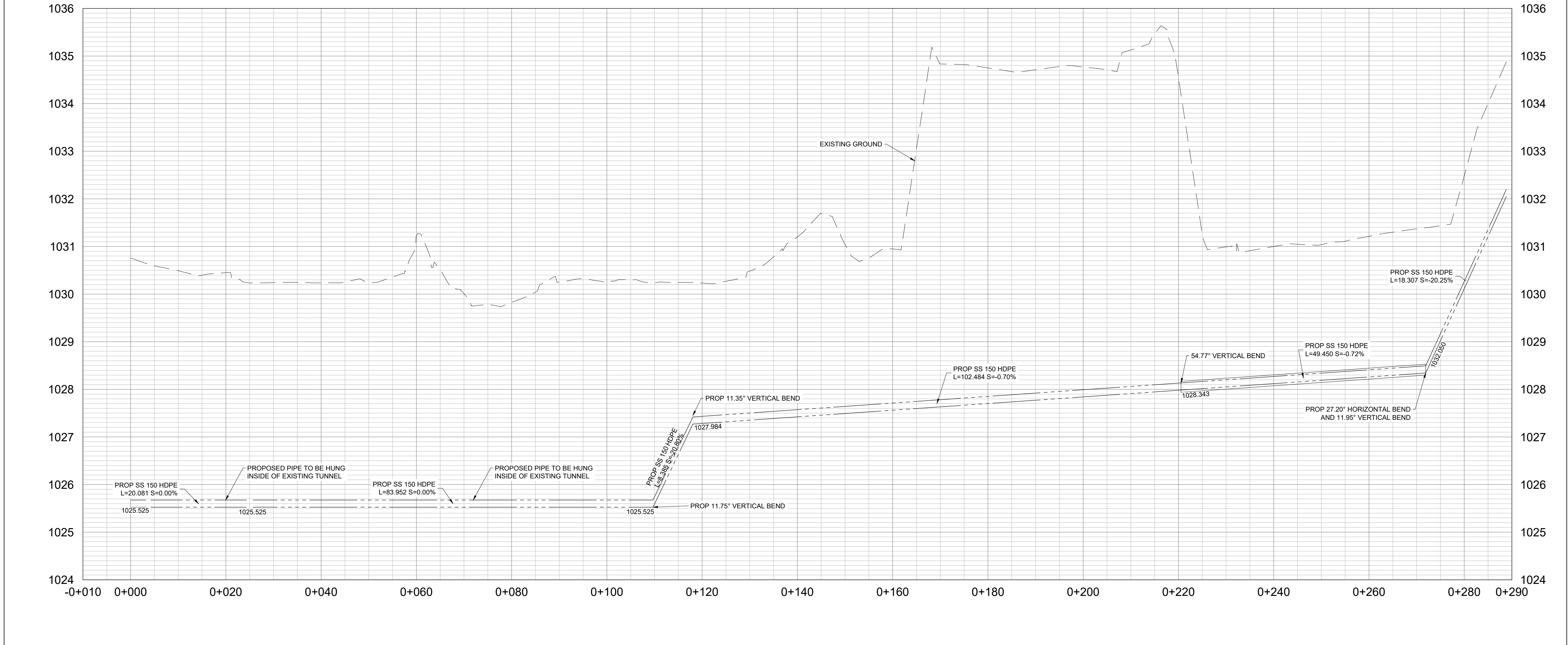
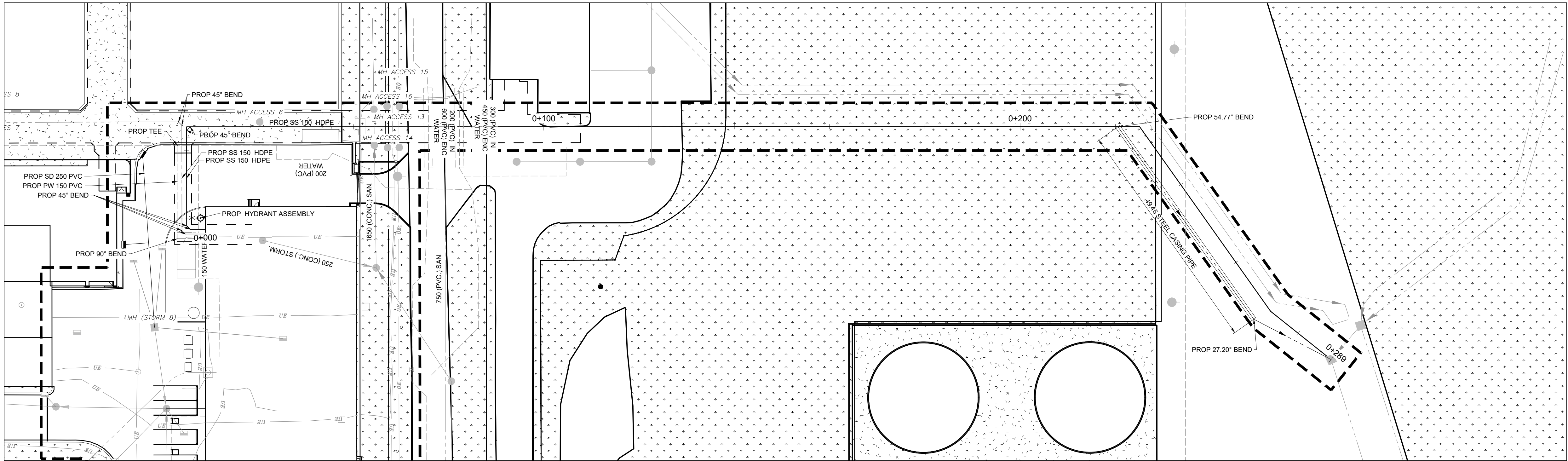


NAD 83
COORDINATES

C	ISSUED FOR DEVELOPMENT PERMIT	2025-03-17	JMB	JH
B	ISSUED FOR SCHEMATIC REVIEW	2024-12-19	JMB	JH
A	ISSUED FOR SCHEMATIC DESIGN REPORT	2024-09-10	JMB	JH
NO.	DESCRIPTION	DATE	BY	APPD
PERMIT		SEAL		
PERMIT TO PRACTICE READ JONES CHRISTOFFERSEN LTD RM SIGNATURE: <i>Cory Vogt</i> RM APEGA ID #: 93125 DATE: 2025-03-25 PERMIT NUMBER: P000152 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)		 2025-03-24		
BY		DATE (YYYY-MM-DD)		
DESIGNED	JMB	2025-02-28		
DRAWN	GMC	2025-03-13		
CHECKED	JMB	2025-03-13		



PROJECT	BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION		
SEC:	1 - TWP: 024 - RGE: 001 - W 5th M		
SHEET TITLE	UTILITY PLAN		
		MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE	WP4
ACTIVITY CODE	454718	ASSET ID	XXXXX
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID	XXXXXX
GEC PROJECT NO. 5987	SHEET NO. C102		



NOTES

1. ALL PIPE SIZES ARE IN MILLIMETRES AND ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES AND DISTANCES ARE BASED ON 3TM COORDINATE SYSTEM (NAD 83).



NAD 83
COORDINATES

C	ISSUED FOR DEVELOPMENT PERMIT	2025-03-17	JMB	JH
B	ISSUED FOR SCHEMATIC REVIEW	2024-12-19	JMB	JH
A	ISSUED FOR SCHEMATIC DESIGN REPORT	2024-09-10	JMB	JH
NO.	DESCRIPTION	DATE	BY	APPD

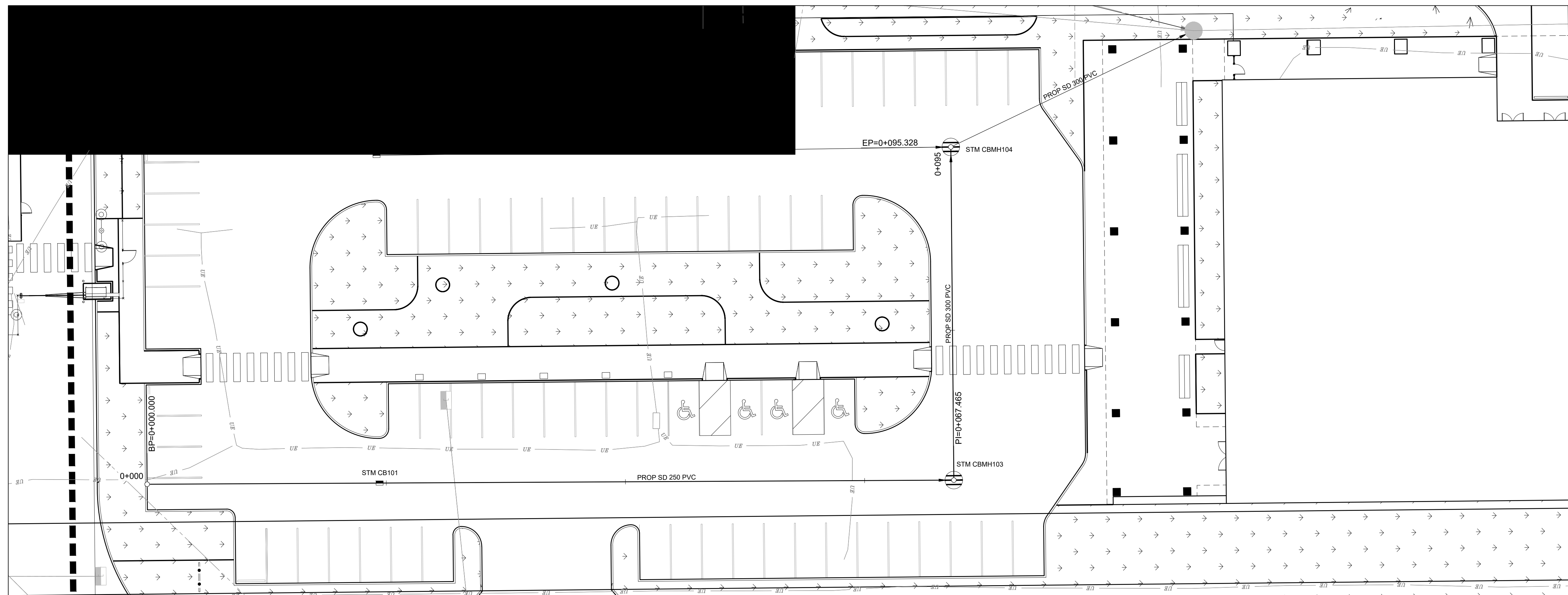
PERMIT	SEAL
PERMIT TO PRACTICE READ JONES CHRISTOFFERSEN LTD RM SIGNATURE: <i>Cory Vogt</i> RM APEGA ID #: 93125 DATE: 2025-03-25 PERMIT NUMBER: P000152 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)	

DESIGNED	BY	DATE
DRAWN	JMB	2025-02-28
CHECKED	GMC	2025-03-13
	JMB	2025-03-13
SCALE	1:500	



PROJECT	BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION
SEC:	1 - TWP: 024 - RGE: 001 - W 5th M
SHEET TITLE	SANITARY PLAN PROFILE

	MICROFILM NO.	XXX.XXX
UPN	WORK PACKAGE	WP4
ACTIVITY CODE	ASSET ID	XXXXX
PSD PROJECT	CORPORATE STRUCTURES ID	XXXXXXX
GEC PROJECT NO. 5987	SHEET NO. C103	

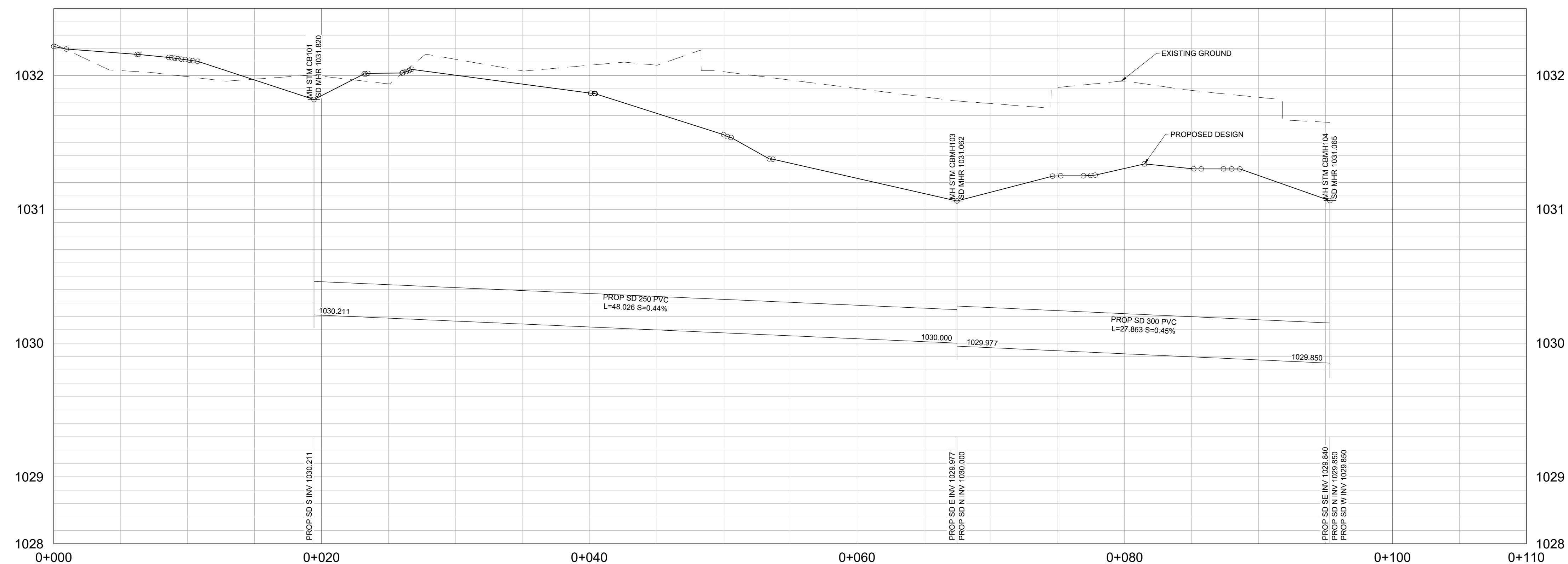


NOTES

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NAD 83
COORDINATES



C	ISSUED FOR DEVELOPMENT PERMIT	2025-03-17	JMB	JH
B	ISSUED FOR SCHEMATIC REVIEW	2024-12-19	JMB	JH
A	ISSUED FOR SCHEMATIC DESIGN REPORT	2024-09-10	JMB	JH
NO.	DESCRIPTION	DATE	BY	APPD

PERMIT PERMIT TO PRACTICE READ JONES CHRISTOFFERSEN LTD RM SIGNATURE: <i>Conf. Void</i> RM #/PEGA ID #: 93125 DATE: 2025-03-25 PERMIT NUMBER: P000152 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)	SEAL 
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	BY	DATE (YYYY-MM-DD)
DESIGNED	JMB	2025-02-28
DRAWN	GM C	2025-03-13
CHECKED	JMB	2025-03-13

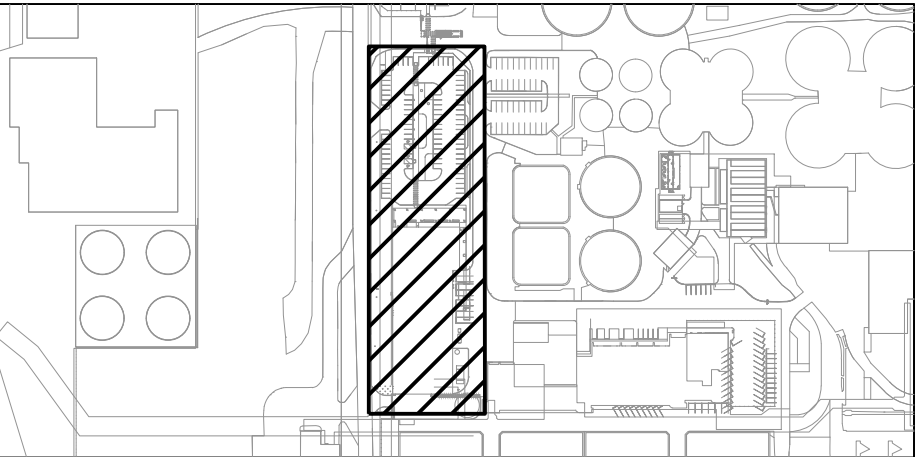
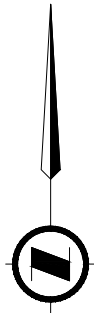
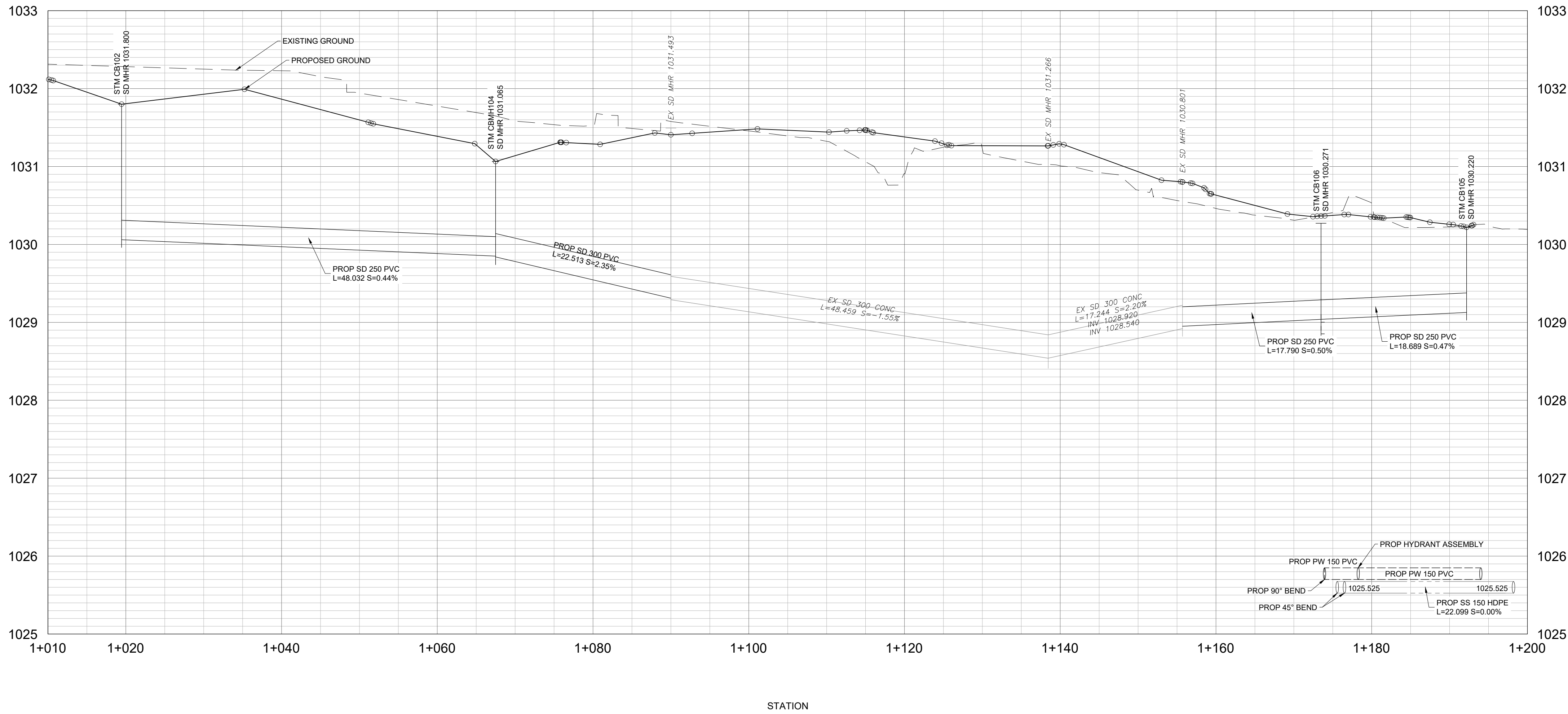
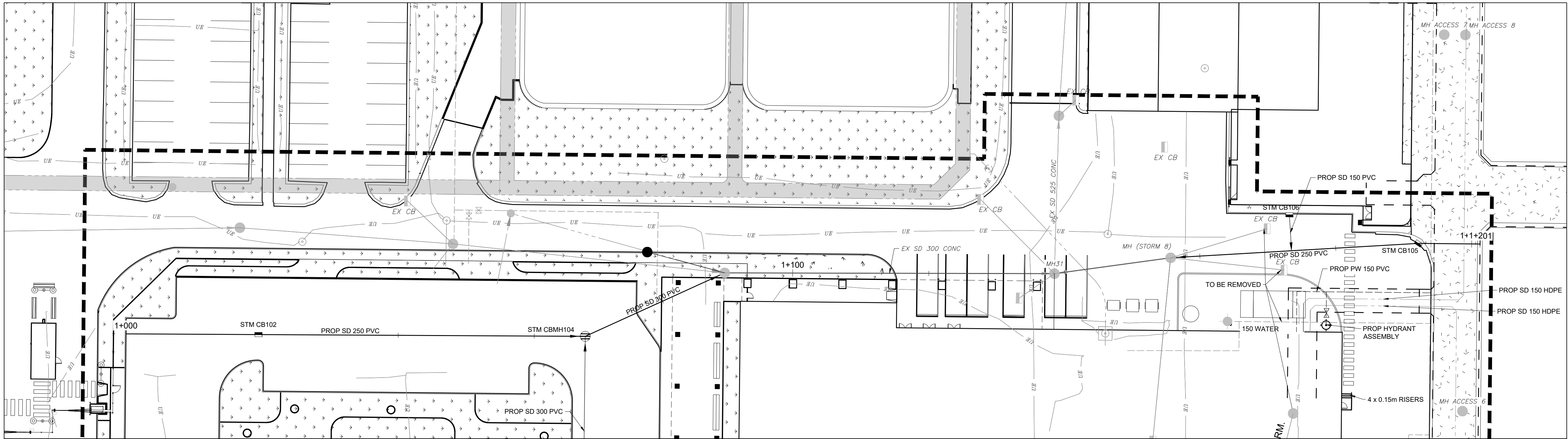


PROJECT	BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION
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SEC: 1 - TWP: 024 - RGE: 001 - W 5th M

SHEET TITLE	STORM PLAN PROFILE
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		MICROFILM NO.	XXX-XXX
UPN	101679	WORK PACKAGE	WP4
ACTIVITY CODE	454718	ASSET ID	XXXXX
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID	XXXXXXXX
GEC PROJECT NO. 5987		SHEET NO. C104	



NOTES

1. ALL PIPE SIZES ARE IN MILLIMETRES AND ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL COORDINATES AND DISTANCES ARE BASED ON 3TM COORDINATE SYSTEM (NAD 83).



NAD 83
COORDINATES

C	ISSUED FOR DEVELOPMENT PERMIT	2025-03-17	JMB	JH
B	ISSUED FOR SCHEMATIC REVIEW	2024-12-19	JMB	JH
A	ISSUED FOR SCHEMATIC DESIGN REPORT	2024-09-10	JMB	JH
NO.	DESCRIPTION	DATE	BY	APPD

PERMIT	SEAL	
PERMIT TO PRACTICE READ JONES CHRISTOFFERSEN LTD RM SIGNATURE: <i>Cory Vogt</i> RM APEGA ID #: 93125 DATE: 2025-03-25 PERMIT NUMBER: P000152 The Association of Professional Engineers and Geoscientists of Alberta (APEGA)		
DESIGNED	BY	DATE
DRAWN	JMB	2025-02-28
CHECKED	GMC	2025-03-13
SCALE	JMB	2025-03-13
1:350		

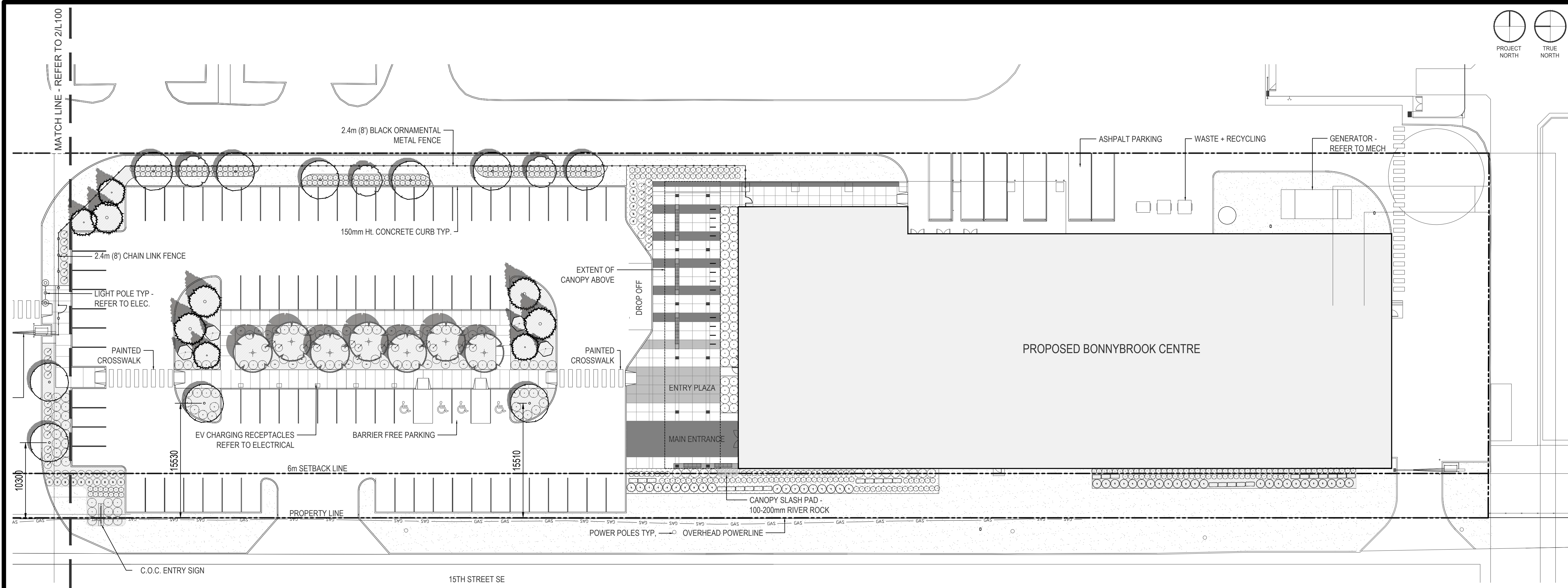


PROJECT **BONNYBROOK CENTRE AND CONTROL BUILDING RENOVATION**

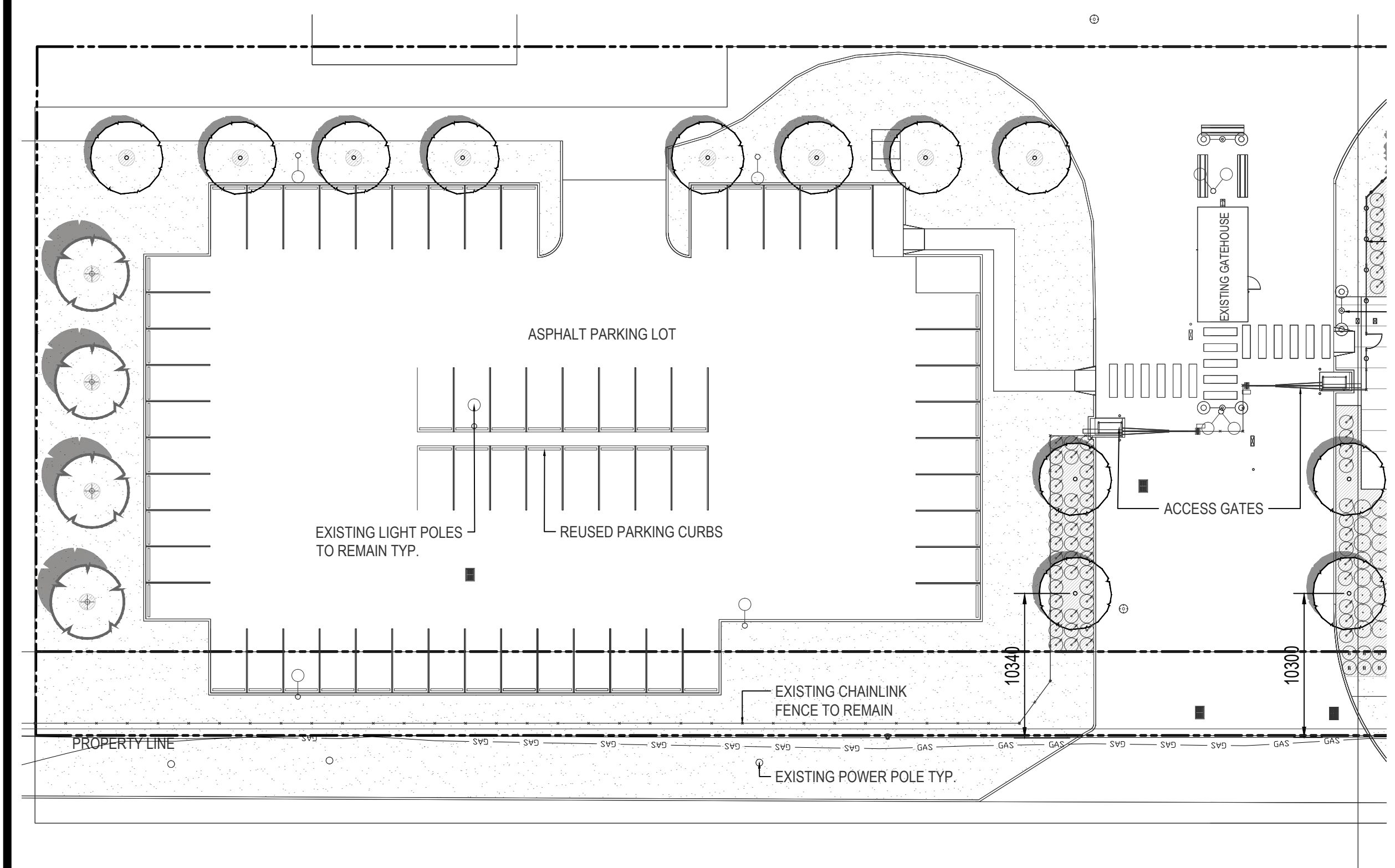
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SHEET TITLE **STORM PLAN PROFILE**

	MICROFILM NO.	XXX.XXX
UPN	WORK PACKAGE	WP4
ACTIVITY CODE	ASSET ID	XXXXX
PSD PROJECT	CORPORATE STRUCTURES ID	XXXXXX
GEC PROJECT NO. 5987	SHEET NO. C105	



1 LANDSCAPE PLAN - BBC BUILDING + PARKING LOT
L100 SCALE 1:300



2 LANDSCAPE PLAN - EXISTING PARKING LOT + GATE HOUSE
L100 SCALE 1:300

LEGAL DESCRIPTION MUNICIPAL ADDRESS
LOT - 1, BLOCK 1 PLAN 111 2448 4302 15 Street SE CALGARY, AB
ZONING: S-CRI

PROJECT DATA/SITE DATA			
SITE AREA:	14,252.00 m2	TOTAL TREES REQ	39
BUILDING AREA:	2800.00 m2	DECIDUOUS TOTAL	29
LANDSCAPE AREA REQUIRED:		DEC @ 75mm CAL	15
		DEC @ 50mm CAL	14
1 TREE + 2 SHRUBS / 45m2 SETBACK AREA		CON TOTAL	10
SETBACK AREA = 1,734m2		CON @ 3.0m HT	05
		CON @ 2.5m HT	05
TREES REQUIRED =	39	TOTAL SHRUBS REQ	78
DECIDUOUS TREES REQUIRED =	29		
CONIFEROUS TREES REQUIRED =	10		
SHRUBS REQUIRED =	78		

IRRIGATION NOT PROVIDED TO MEET LEED REQUIREMENTS
LANDSCAPE TO BE DROUGHT TOLERANT

PROPOSED SOD SEED SPECIES			
15% Celestial Creeping Fescue	10% Full Moon Bluegrass		
15% Big Horn Sheep Fescue	10% Ridgeline Bluegrass		
15% Enchantment Chewing	10% Blueberry Bluegrass		
15% Fescue Nanook Hard Fescue	10% Bewitched Bluegrass		

TREE LEGEND		SHRUB + GRASS LEGEND	
	AMUR MAPLE - 50mm CAL		ARCADIA JUNIPER
	PINCHERRY - 75mm CAL		URAL FALSE SPIREA
	LINDEN - 75mm CAL		WOLFWillow - SILVERBERRY
	BLUE SPRUCE - 2.5m HT		ROSE
	BLUE SPRUCE - 3.0m HT		DOGWOOD
	SIBERIAN LARCH - 2.5m HT		LILAC
			KARL FOERSTER GRASS
SITE LEGEND		SITE LEGEND	
	STANDARD GREY + CHARCOAL COLOURED CONCRETE - BROOM FINISH W/ SAW CUT JOINTS		CLASS 2 BIKE RACKS
	DROUGHT TOLERANT SOD		600mm x 600mm x 1200mm LIMESTONE BOULDERS
	PROPOSED 2.4m HT. CHAIN LINK FENCE		C.I.P. CONCRETE BENCH w/ WOOD BENCH TOPPING
	CONIFEROUS BARK MULCH		40mm DIA WASHED ROCK MULCH
	PROPOSED 2.4m HT. CHAIN LINK FENCE		

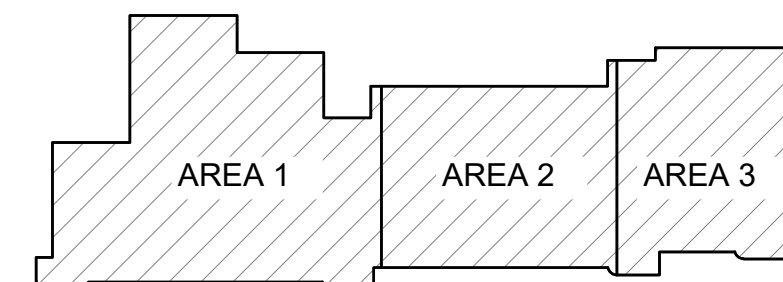
PLANT LIST: DECIDUOUS TREES			
SCIENTIFIC NAME	COMMON NAME	PLANTING NOTES	QTY.
Acer ginnala	AMUR MAPLE	50mm CAL. B&B, MIN 800mm wd x 600mm DEPTH ROOT BALL	11
Prunus pennsylvanica	PINCHERRY	75mm CAL. B&B, MIN 800mm wd x 600mm DEPTH ROOT BALL	03
Tilia americana 'Duros'	TRUE NORTH LINDEN	75mm CAL. B&B, MIN 700 mm wd x 400mm DEPTH ROOT BALL	20

PLANT LIST : CONIFEROUS TREES			
SCIENTIFIC NAME	COMMON NAME	PLANTING NOTES	QTY.
Picea pungens	COLORADO BLUE SPRUCE	3.0m ht. B&B, MIN 1220mm Dia. ROOT BALL, SINGLE LEADER	05
Picea pungens	COLORADO BLUE SPRUCE	2.5m ht. B&B, MIN 1220mm Dia. ROOT BALL, SINGLE LEADER	04
Larix sibirica	SIBERIAN LARCH	2.5mm HT. B&B, MIN 700 mm wd x 400mm DEPTH ROOT BALL	04

PLANT LIST : SHRUBS			
SCIENTIFIC NAME	COMMON NAME	PLANTING NOTES	QTY.
Cornus alba 'Sibirica'	SIBERIAN CORAL DOGWOOD	#3 CONT, MIN 600mm ht. MIN. 4 MAJOR BASAL STEMS,	96
Elaeagnus commutata	SILVERBERRY WOLFWillow	#3 CONT, MIN 600mm ht. MIN. 4 MAJOR BASAL STEMS,	34
Rosa woodsii	WOODS ROSE	#3 CONT, MIN 600mm ht. MIN. 4 MAJOR BASAL STEMS,	64
Syringa meyeri 'Paltibin'	DWARF LILAC	#3 CONT, MIN 600mm ht. MIN. 4 MAJOR BASAL STEMS,	26
Sorbaria sorbifolia 'Sem'	URAL FALSE SPIREA	#3 CONT, MIN 600mm ht. MIN. 4 MAJOR BASAL STEMS,	68
Juniperus sabina 'Arcadia'	ARCADIA JUNIPER	#3 CONT, MIN 600mm sprd. MIN. 4 MAJOR BASAL STEMS,	43

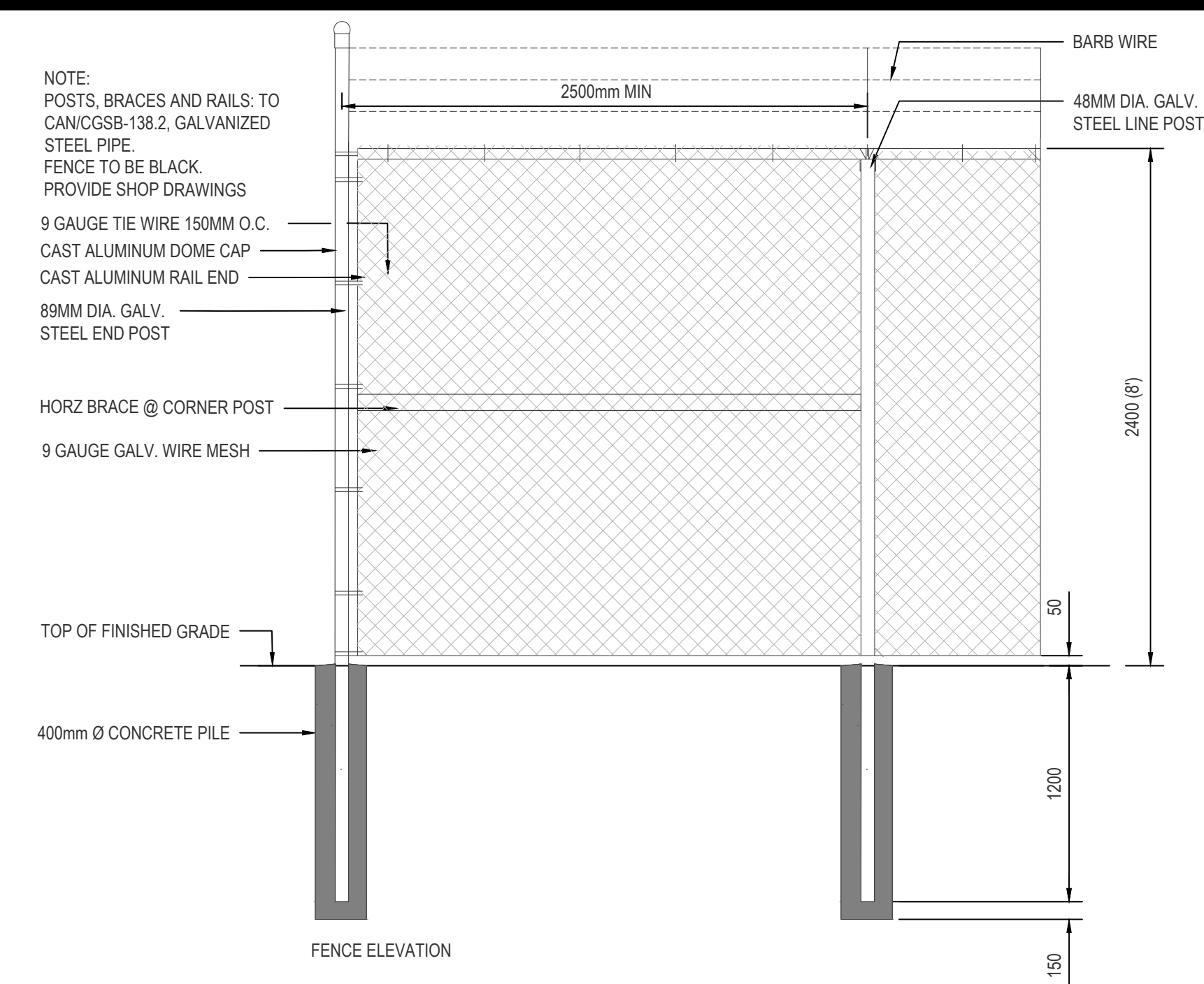
PLANT LIST : GRASSES & PERENNIALS			
SCIENTIFIC NAME	COMMON NAME	PLANTING NOTES	QTY.
Calamagrostis x acutiflora 'Karl Foerster'	KARL FOERSTER REED GRASS	#3 POT	360

- GENERAL NOTES**
- ALL LANDSCAPE CONSTRUCTION, INCLUDING ALL HARD AND SOFT LANDSCAPING, TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY OF CALGARY SPECIFICATIONS OR AS NOTED ON THE DRAWINGS
 - ALL TREES AND SHRUBS TO BE RETAINED SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.
 - ALL PLANT MATERIAL SHALL MEET THE STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION AND BE TRUE TO TYPE AND SPECIES.
 - ALL PLANT MATERIAL SHALL BE LOCALLY GROWN ALBERTA NURSERY STOCK.
 - ALL PLANT MATERIAL TO BE LOCATED WITHIN MULCHED PLANTING BEDS
 - ALL PLANTING BEDS TO HAVE A MIN. 75mm DEPTH BARK MULCH

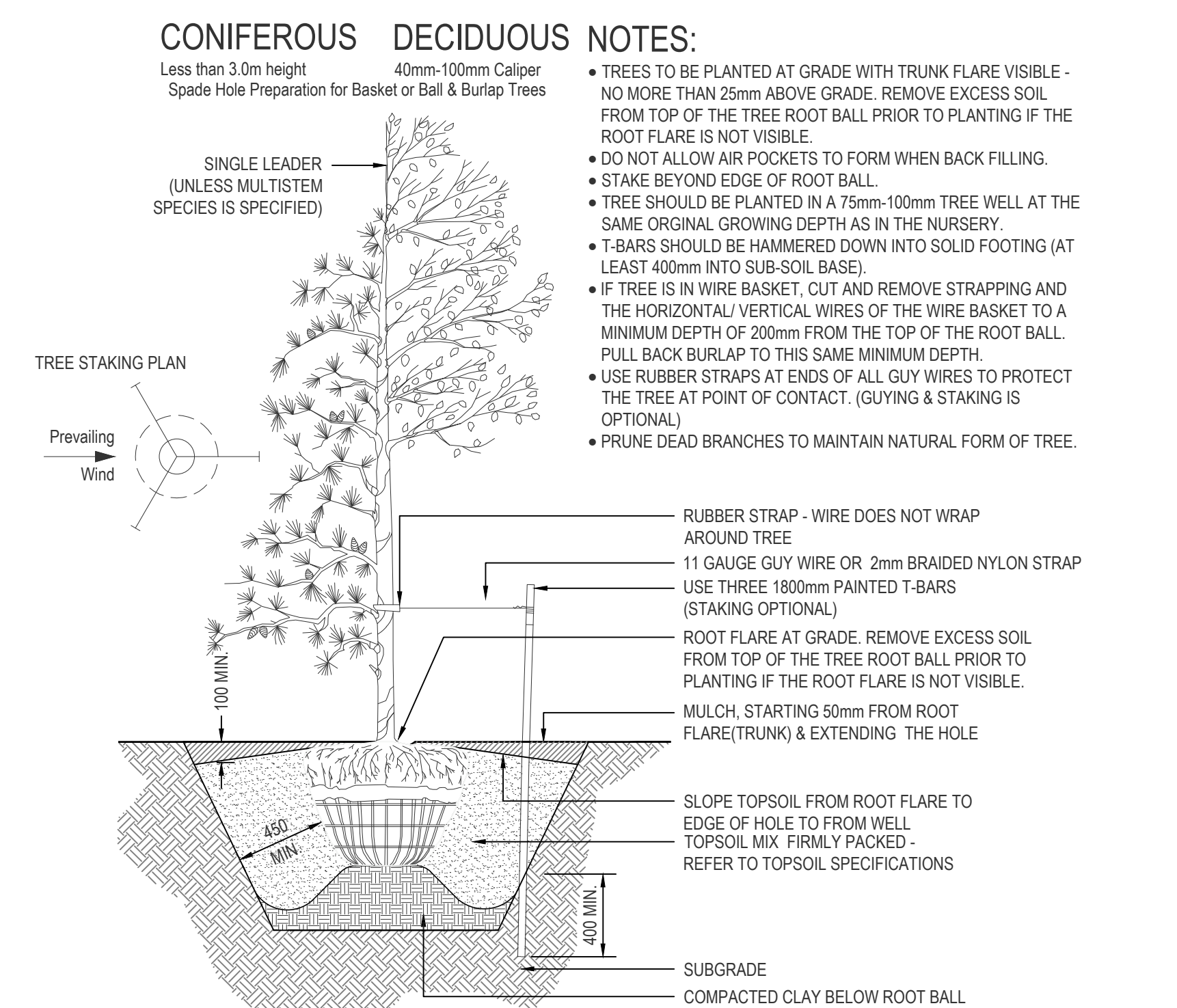


[SMM]
SCATLIFF+MILLER+MURRAY INC.
403.262.9744 | SCATLIFF.CA

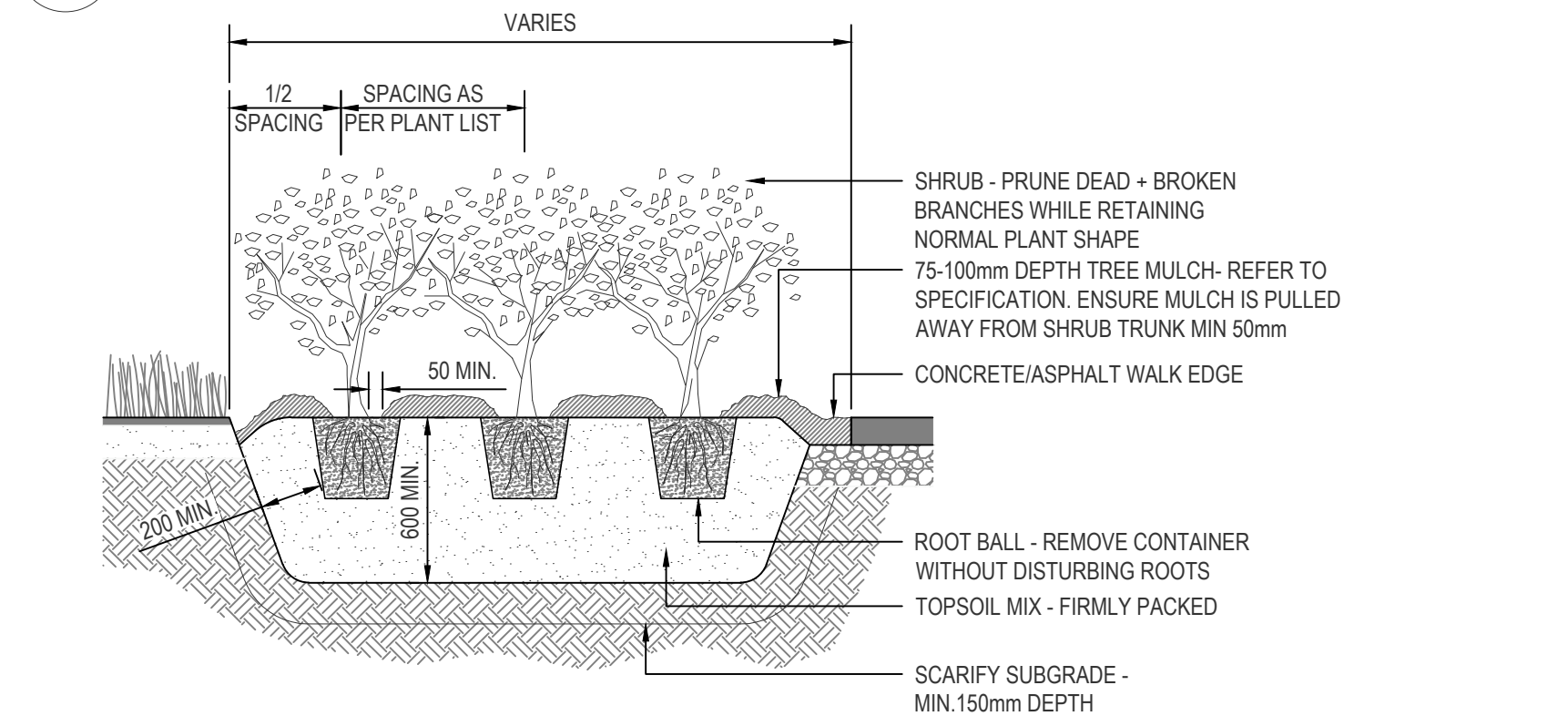
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01	ISSUED FOR SCHEMATIC DESIGN REPORT	2024.08.16	AP	DM
NO.	DESCRIPTION	DATE	BY	APPD
PERMIT		SEAL		
	BY	DATE		
DESIGNED	AP	2024-08-30		
DRAWN	AP	2025-03-14		
CHECKED	DM	2025-03-14		
SCALE AS SHOWN				
 				
PROJECT Bonnybrook Centre and Control Building Renovation				
4302 15 ST SE, Calgary Alberta				
SHEET TITLE SCHEMATIC LANDSCAPE PLAN				
	MICROFILM NO.	XXX.XXX		
UPN	101679	WORK PACKAGE	WP4	
ACTIVITY CODE	454718	ASSET ID	11511	
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID	1369732	
GEC PROJECT NO.		SHEET NO.	L100	



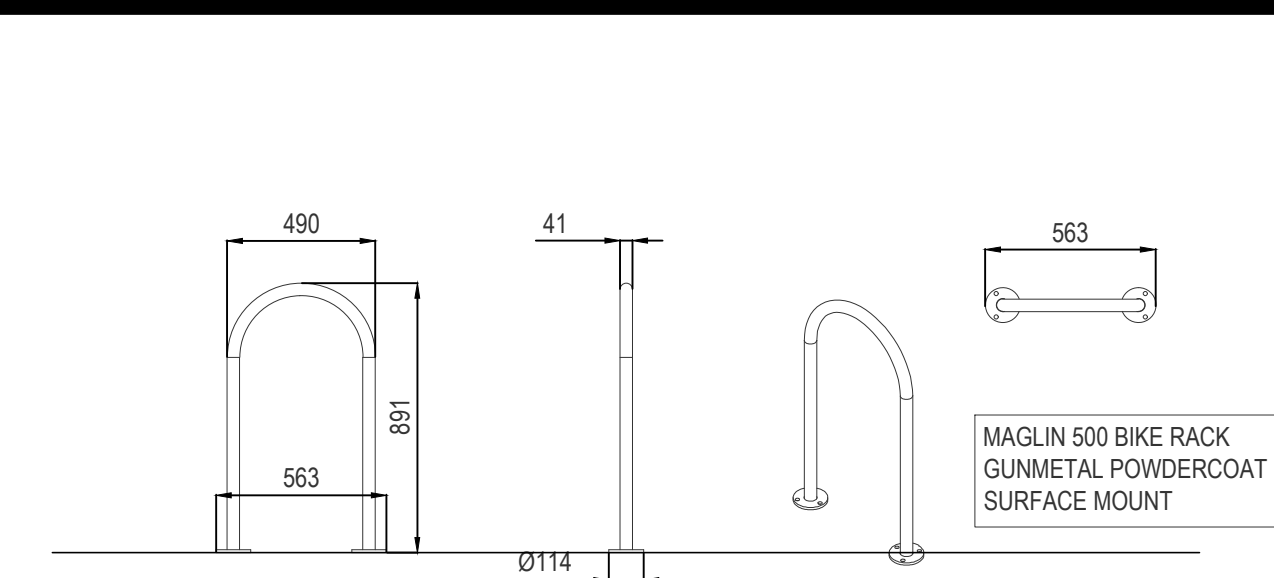
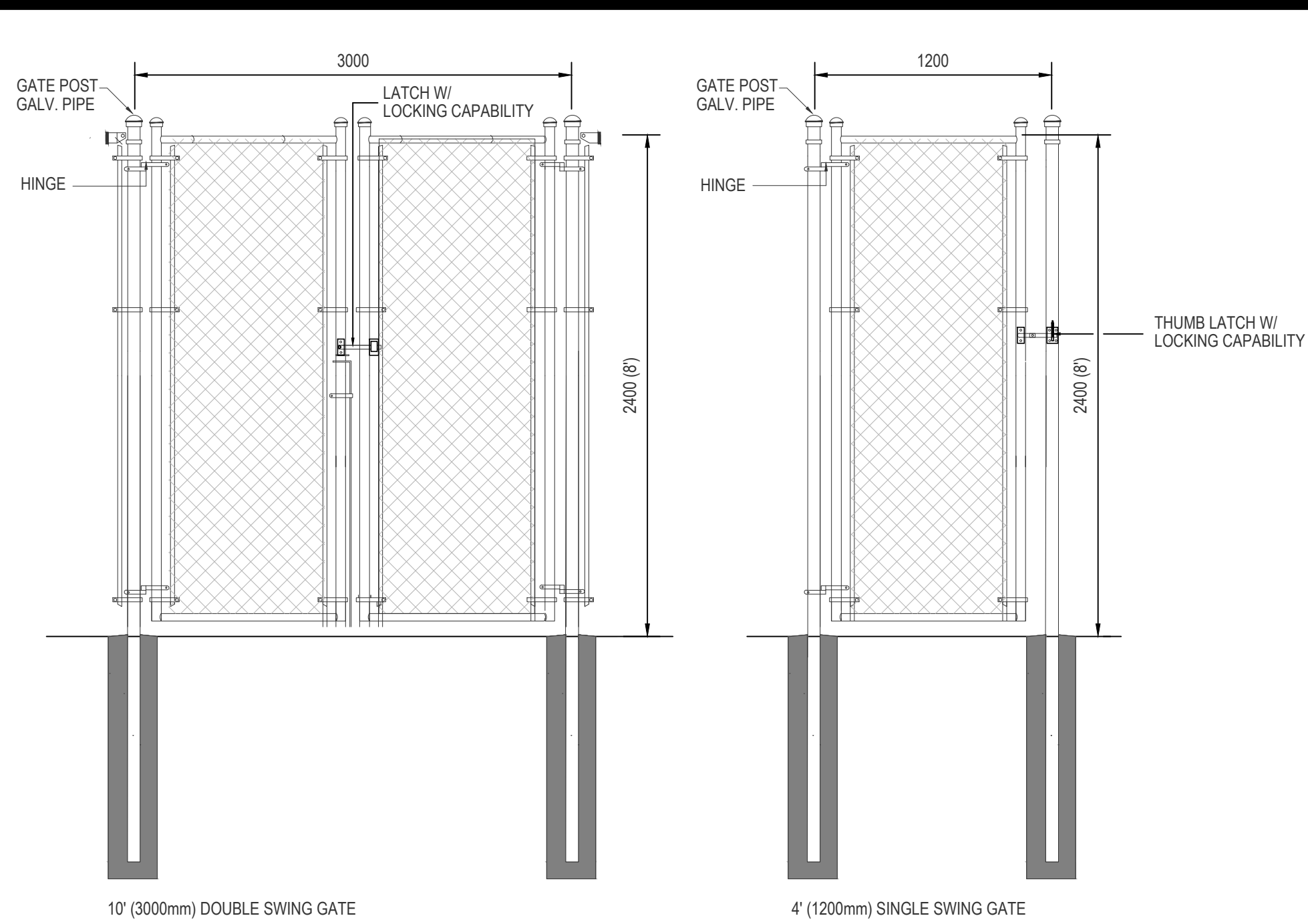
1 CHAIN LINK FENCE DETAIL
L200 SCALE 1:25



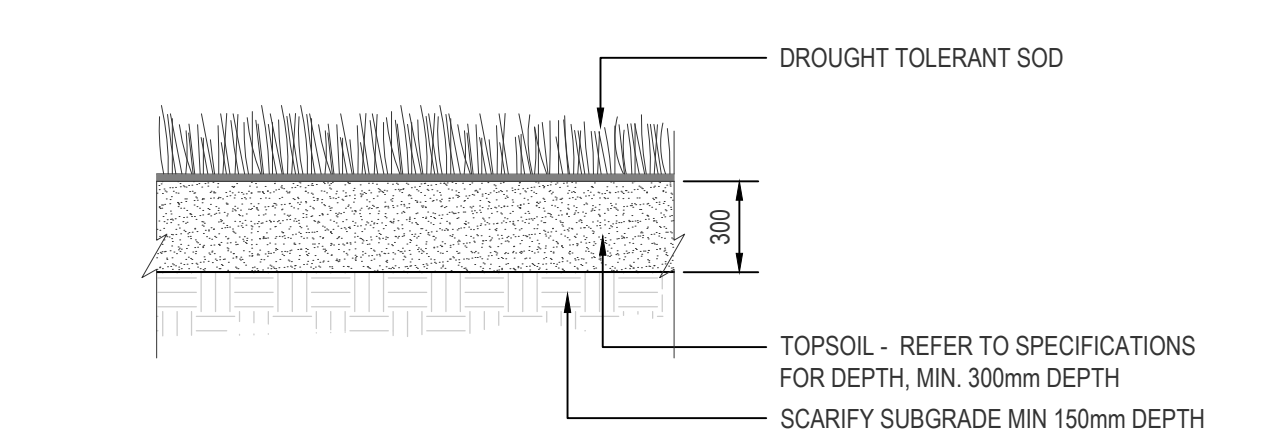
2 TYPICAL TREE PLANTING DETAIL
L200 SCALE 1:25



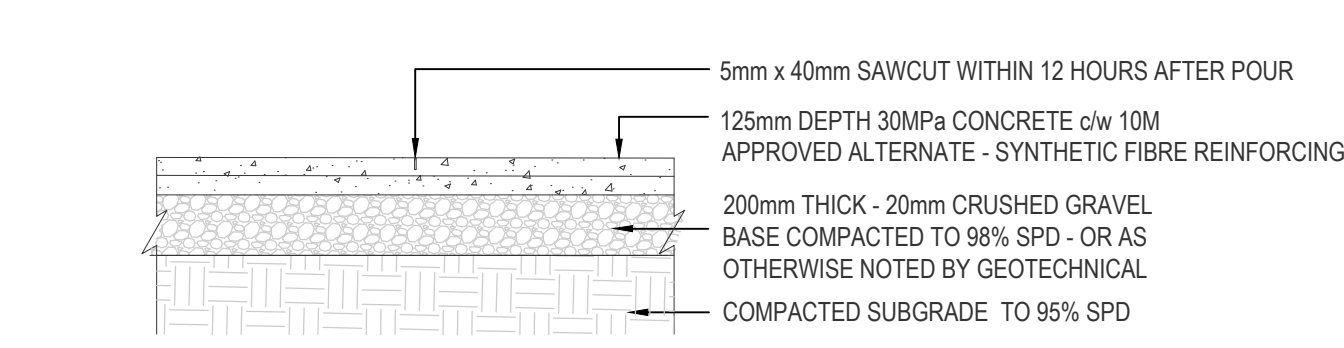
3 TYPICAL SHRUB PLANTING DETAIL
L200 SCALE 1:25



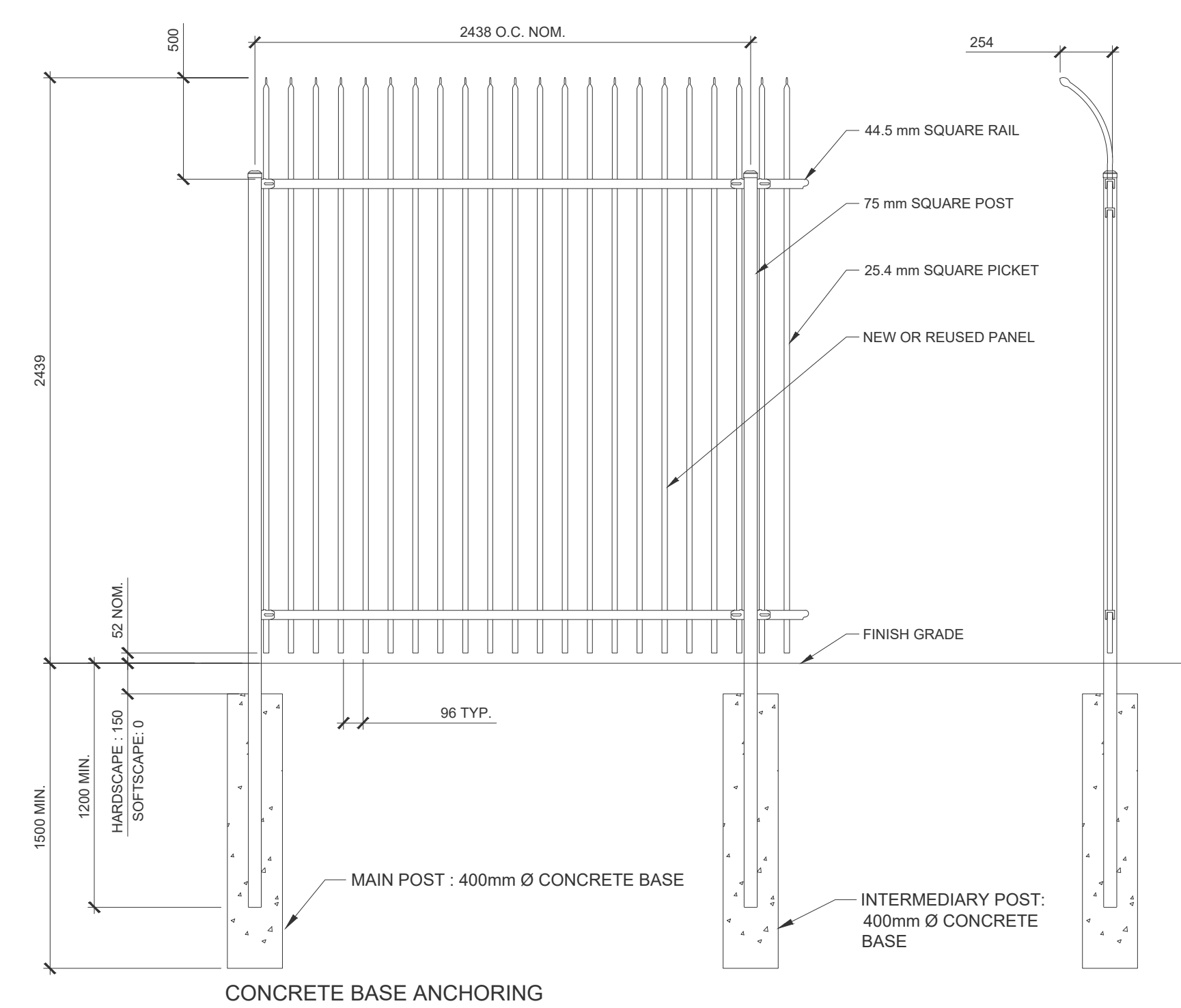
4 CLASS 2 BIKE RACK DETAIL
L200 SCALE 1:25



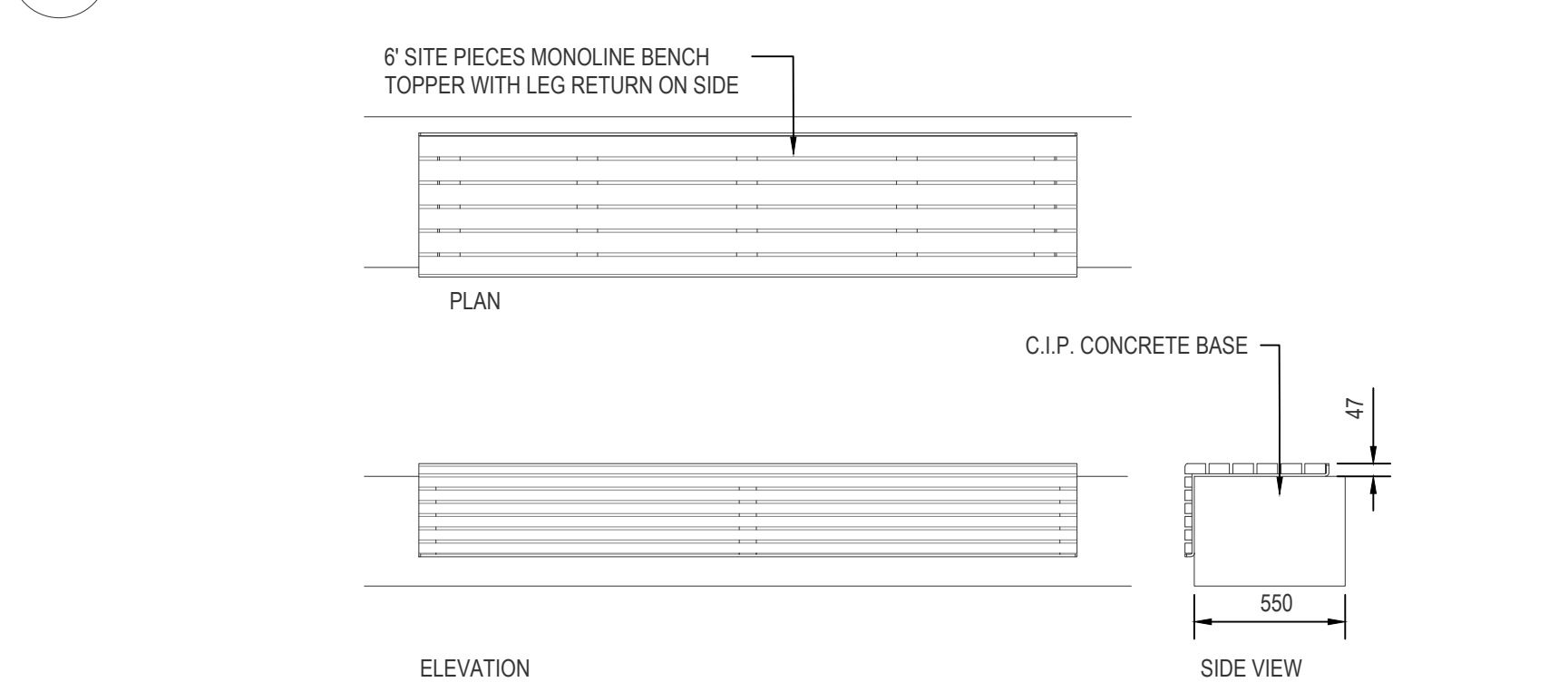
5 TYPICAL SOD PLANTING DETAIL
L200 SCALE 1:25



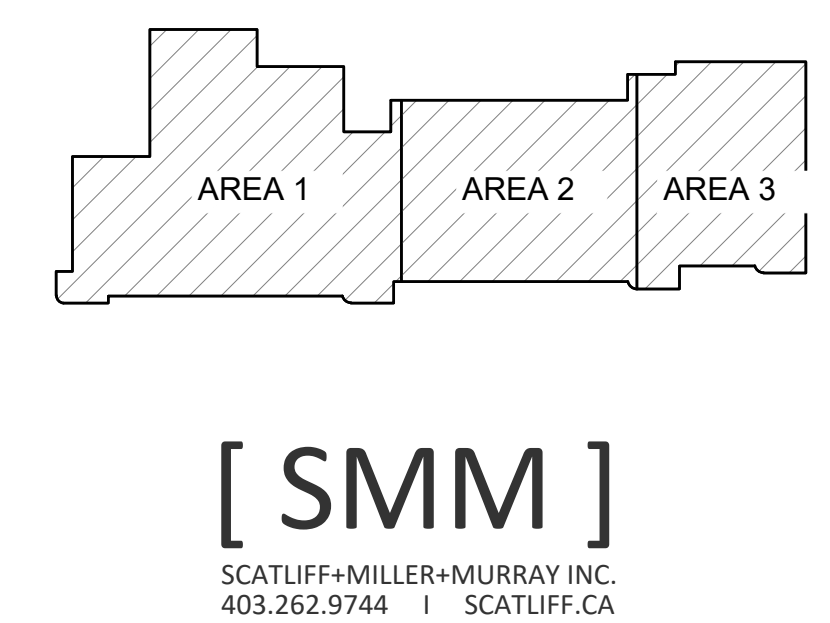
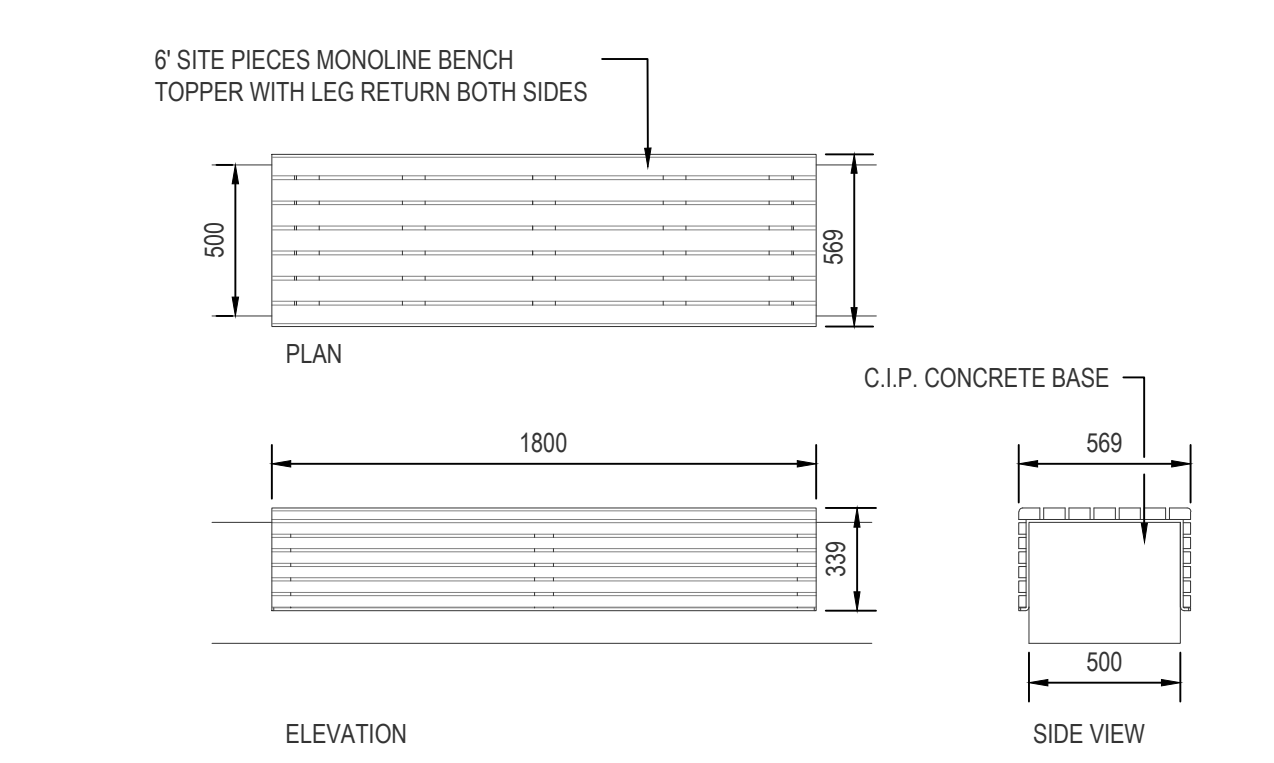
7 TYPICAL PEDESTRIAN SLAB DETAIL
L200 SCALE 1:25



6 TYPICAL 2.4m HT (8') BLACK ORNAMENTAL METAL FENCE
L200 SCALE 1:25



7 TYPICAL CONCRETE BENCH w/ WOOD TOPPING ATTACHMENT
L200 SCALE 1:25



02	ISSUED FOR DEVELOPMENT PERMIT	2025.03.14	AP	DM
01	ISSUED FOR SCHEMATIC DESIGN REPORT	2024.08.16	AP	DM
NO.	DESCRIPTION	DATE	BY	APPD.
PERMIT		SEAL		

	BY	DATE (YYYY-MM-DD)
DESIGNED	AP	2024-08-30
DRAWN	AP	2025-03-14
CHECKED	DM	2025-03-14

SCALE	AS SHOWN
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PROJECT	Bonnybrook Centre and Control Building Renovation
4302 15 ST SE, Calgary Alberta	

SHEET TITLE	LANDSCAPE DETAILS
-------------	-------------------

	MICROFILM NO.	XXX.XXX
UPN	101679	WORK PACKAGE WP4
ACTIVITY CODE	454718	ASSET ID 11511
PSD PROJECT	23088-23	CORPORATE STRUCTURES ID 1369732
GEC PROJECT NO.		SHEET NO. L200

PRELIMINARY - NOT FOR CONSTRUCTION