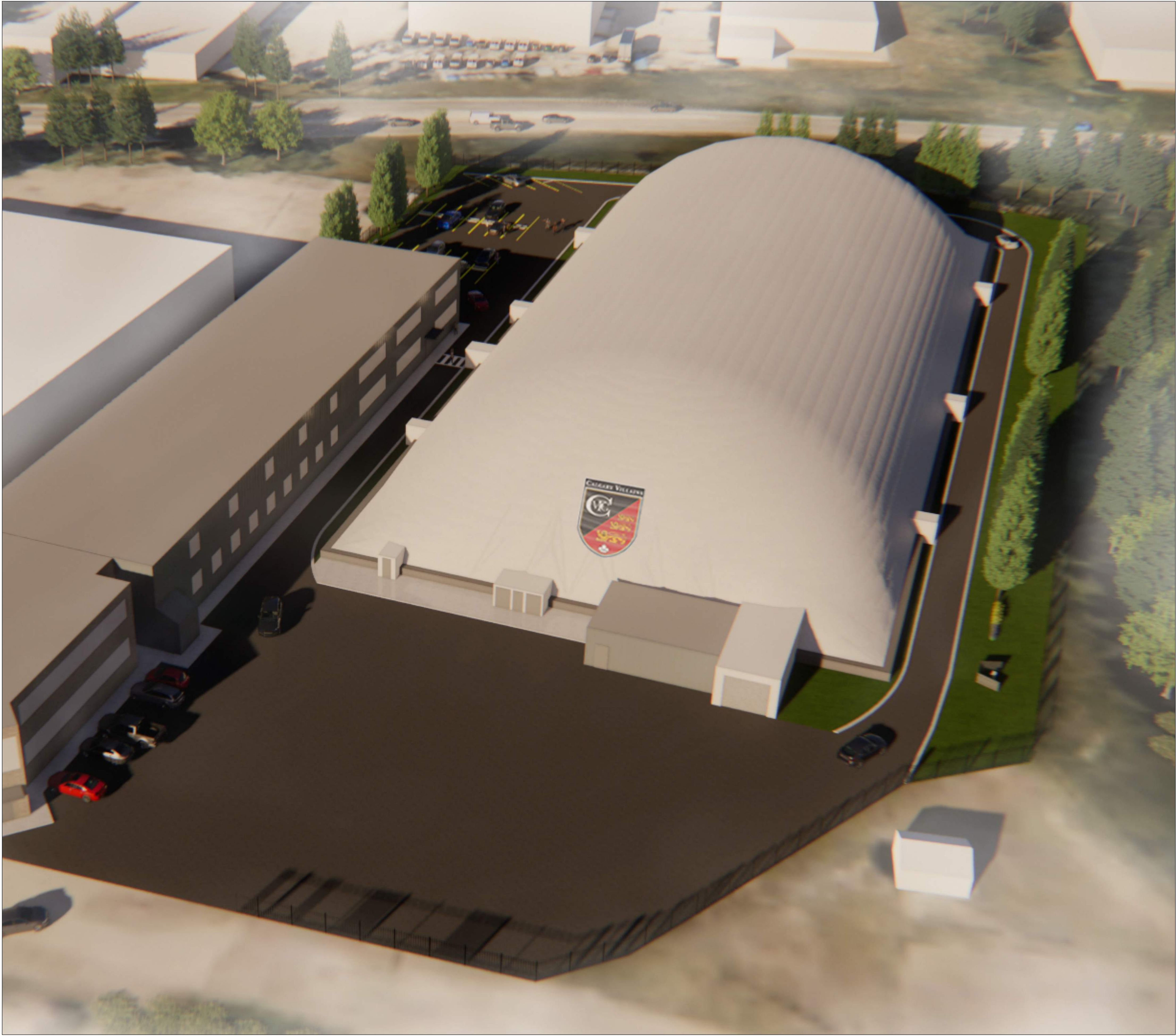




ISSUED FOR UPDATED DEVELOPMENT PERMIT

CALGARY VILLAINS

SOCCER DOME

830 59 Ave SE, CALGARY, AB

CLIENT / OWNER:

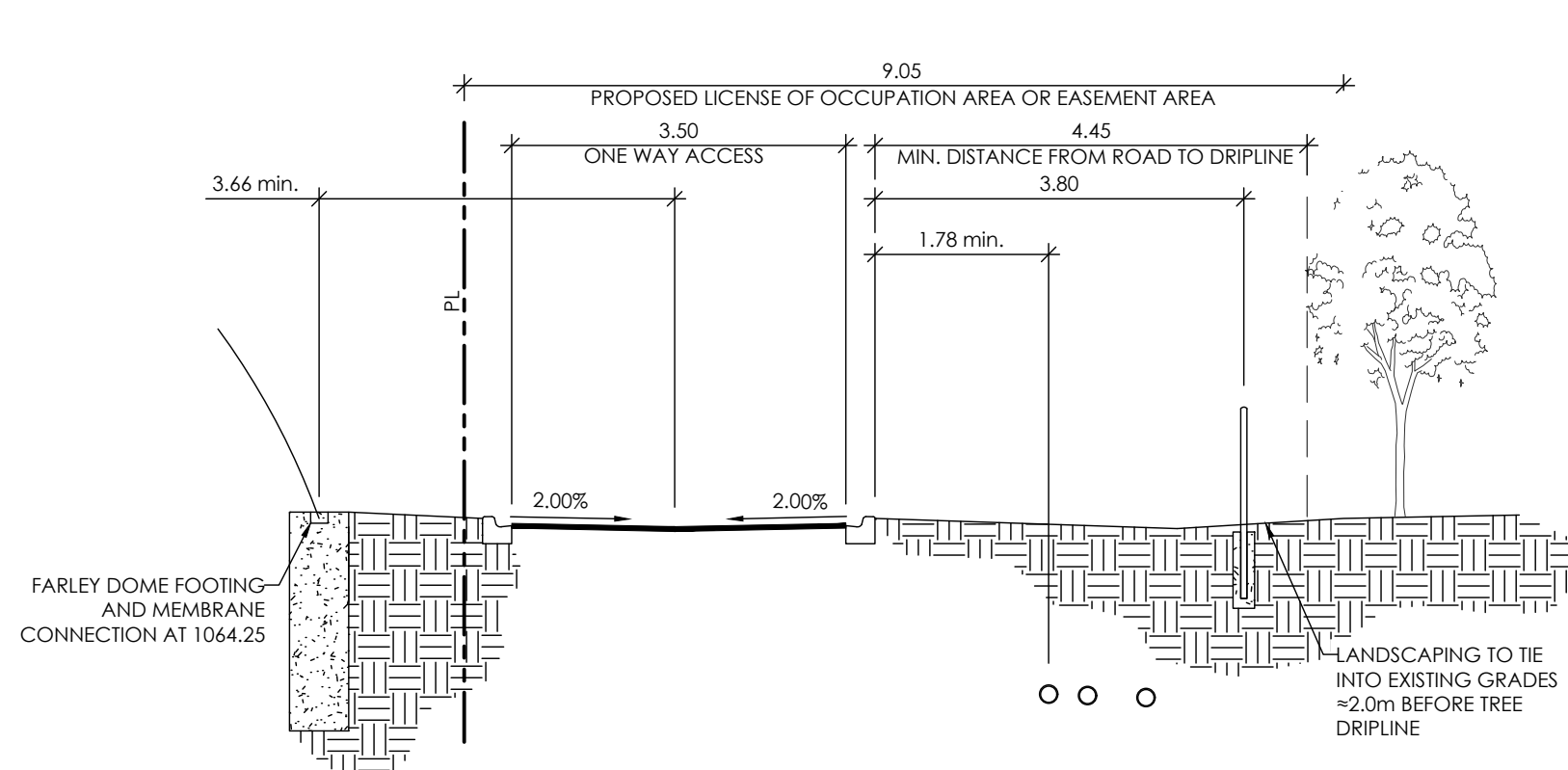


PRIME CONSULTANT:

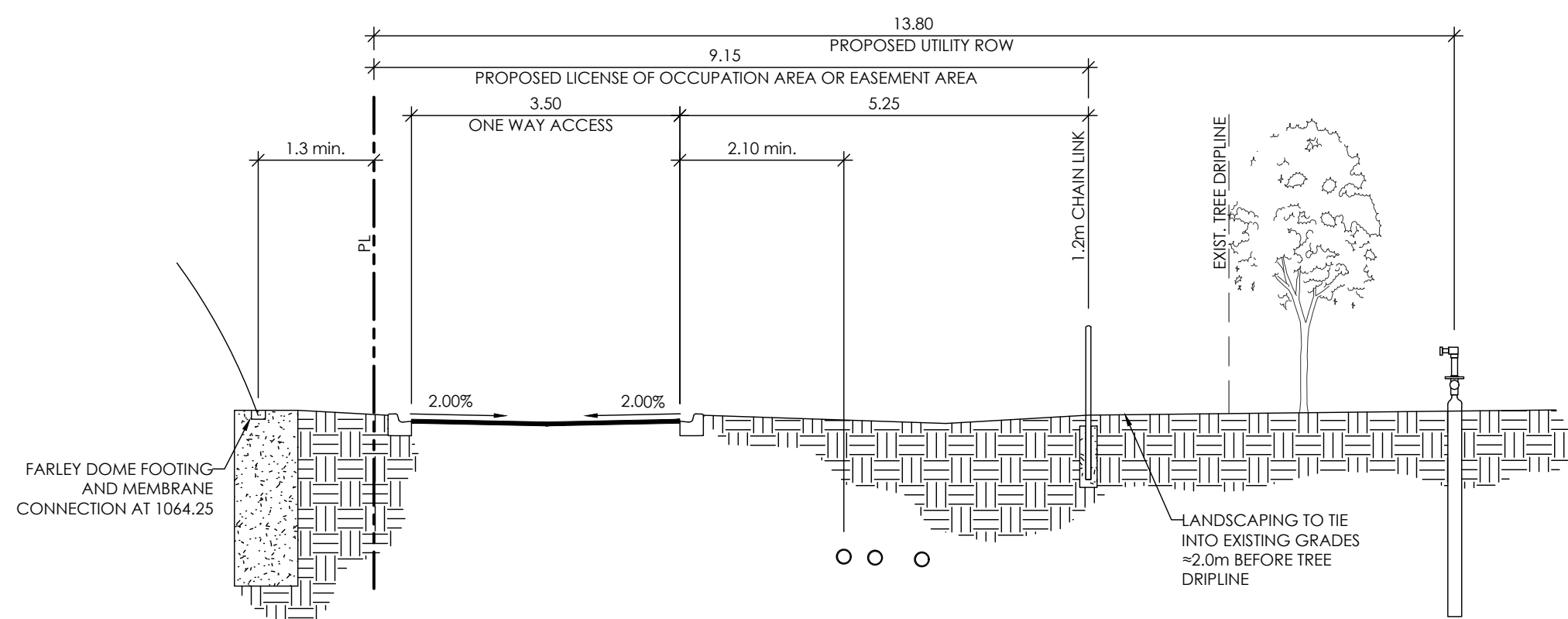
NAK 
design strategies

DRAWING LIST:

L110	-	SITE PLAN
L130	-	PLANTING PLAN
L400	-	DETAILS PLAN
L401	-	WASTE & RECYCLING DETAILS
L402	-	PLANTING DETAILS



1 EAST SETBACK SECTION - WITH MIN. DISTANCE FROM ROAD TO DRIPLINE
N.T.S.



2 EAST SETBACK SECTION - WITH MONITORING WELL
N.T.S.

GENERAL NOTES:

1. PARKING AND SURFACE INFRASTRUCTURE: THIS SITE PLAN INDICATES OVERALL SITE PLAN ELEMENTS AND ARRANGEMENT. REFER TO APPROPRIATE CIVIL AND ARCHITECTURAL PLANS FOR SPECIFICS ON SURFACE AND DOME FACILITIES AND INFRASTRUCTURE. IN CASE OF DISCREPANCY, CONTACT NAK FOR DIRECTION. DO NOT PROCEED IN UNCERTAINTY.
2. EROSION AND SEDIMENT CONTROL: ENSURE ANY REQUIRED ESC MEASURES ARE IN PLACE PRIOR TO AND DURING GRADING OPERATIONS, AS REQUIRED, TO CITY SPECIFICATIONS.
3. STANDARDS AND GUIDELINES: STANDARDS AND GUIDELINES APPLICABLE FOR THE WORK INCLUDE ALL NECESSARY CONSTRUCTION STANDARDS AND GUIDELINES OF LANDSCAPE, ENGINEERING, AND ENVIRONMENTAL REGULATION.
4. SPECIFIED MATERIALS, EQUIPMENT AND MATERIALS TO BE AS SPECIFIED. ANY REQUEST FOR ALTERNATES MUST CONFORM TO MUNICIPAL EQUIVALENCY SPECIFICATIONS AND BE APPROVED BY NAK PRIOR TO BID SUBMISSION.
5. UTILITIES: UTILITY LOCATIONS SHALL BE LOCATED IN THE FIELD AND VERIFIED ON-SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. CONTACT ALBERTA 1 CALL (1-800-242-3447) FOR LOCATES PRIOR TO ANY EXCAVATION.
6. CONDITIONS PRECEDENT: CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR ON-SITE PRIOR TO COMMENCEMENT OF WORK.
7. LAYOUT INSPECTIONS: LAYOUT INCLUDING FORMWORK, FURNITURE, UTILITIES AND EQUIPMENT SHALL BE APPROVED ON-SITE BY NAK PRIOR TO CONSTRUCTION AND INSTALLATION. NAK REQUIRES 24 HOURS NOTIFICATION/REQUEST PRIOR TO LAYOUT INSPECTION.
8. GENERAL SLOPES AND GRADING: ALL LANDSCAPED AREAS SHALL BE SLOPED AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE. MINIMUM GRADIENT SHALL BE NO LESS THAN 2.0%, AND MAXIMUM GRADIENT SHALL BE NO MORE THAN 33%.
9. DIMENSIONS: WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

FIRE CODE NOTES:

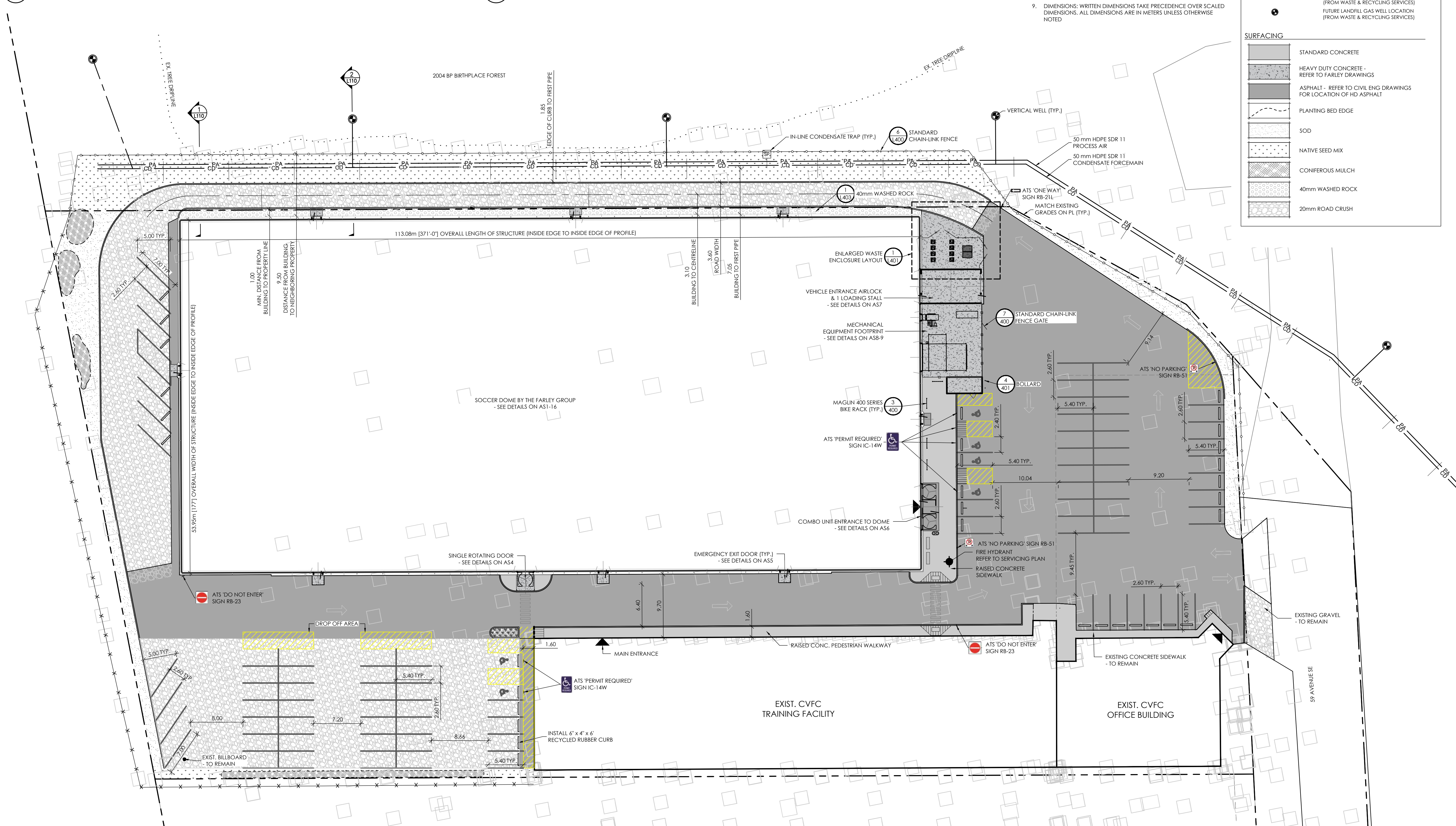
1. THE AVAILABLE SEPARATION DISTANCE BETWEEN THE DOME AND THE EXISTING BUILDING TO THE WEST EXCEEDS 3 M AND COMPLIES WITH 2023 NBCAE 3.1.18.3.(2).
2. THE EXISTING BUILDING'S EAST EXPOSING BUILDING FACE IS LOCATED APPROXIMATELY 10 M FROM THE DOME. THIS BUILDING FACE WILL COMPLY WITH 2023 NBCAE 3.2.3.1.(1) FOR ALLOWABLE PERCENTAGES OF UNPROTECTED OPENINGS AND NBCAE 3.2.3.7 FOR THE CONSTRUCTION OF THE EXPOSING BUILDING FACE. MEANS TO ACHIEVE COMPLIANCE ARE SUBJECT TO A SEPARATE BUILDING PERMIT APPLICATION AND WILL INCLUDE EITHER SPRINKLER PROTECTION OR FIRE-RESISTANCE RATED WALL CONSTRUCTION AS REQUIRED FOR COMPLIANCE WITH THE ABOVE-NOTED ARTICLES.
3. IN ACCORDANCE WITH NBCAE ARTICLE 3.2.4.1, THE BUILDING IS NOT REQUIRED TO BE EQUIPPED WITH A FIRE ALARM AND DETECTION SYSTEM AS THE BUILDING IS NOT SPRINKLERED AND THE OCCUPANT LOAD WILL BE LIMITED TO LESS THAN 300 PERSONS. A FIRE ALARM IS BEING INCLUDED AT THIS TIME IN ANTICIPATION OF A POTENTIAL ALTERNATIVE SOLUTION APPLICATION FOR THE DOME.

LEGEND

PROPERTY LINE	
SOCCER DOME FOOTPRINT	---
EXISTING CHAIN LINK SECURITY FENCING	---X---
NEW CHAIN LINK SECURITY FENCING	---o---
NEW STANDARD CHAIN LINK FENCING	---o---
50 mm HDPE SDR 11 PROCESS AIR (FROM WASTE & RECYCLING SERVICES)	---PA---
50 mm HDPE SDR 11 CONDENSATE FORCEMAIN (FROM WASTE & RECYCLING SERVICES)	---CD---
FUTURE LANDFILL GAS WELL LOCATION (FROM WASTE & RECYCLING SERVICES)	●

SURFACING

STANDARD CONCRETE	
HEAVY DUTY CONCRETE - REFER TO FARLEY DRAWINGS	
ASPHALT - REFER TO CIVIL ENG DRAWINGS FOR LOCATION OF HD ASPHALT	
PLANTING BED EDGE	
SOD	
NATIVE SEED MIX	
CONIFEROUS MULCH	
40mm WASHED ROCK	
20mm ROAD CRUSH	



NAK Design Strategies
310 - 438 11th Ave SE
Calgary AB Canada
Tel. 403.261.1511
info@nak-design.com

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to NAK without delay. The Copyrights to all designs and drawings are the property of NAK. Reproduction or use for any purpose other than that authorized by NAK is forbidden.

Client/Owner



Key

SIGNAGE SCHEDULE

- ATS 'DO NOT ENTER' SIGN RB-23
- ATS 'CROSSWALK' SIGN PS-003-Rx
- ATS 'NO PARKING' SIGN RB-51
- ATS 'ONE WAY' SIGN RB-21L
- ATS 'PERMIT REQUIRED' SIGN IC-14W

Permit - Seal for Revision/Plan of Record

Revision/Plan of Record

Approvals - Originally Approved By

Permit - Seal for Issued



ISSUED FOR UPDATED DEV. PERM.	CR	CV	26.06.10
ISSUED FOR CLARIFICATION	MG	JV	28.08.10
ISSUED FOR REVISION (P. 10/10/2020)	MG	JV	29.07.19
ISSUED FOR TENDER - REV 3	MG	JV	24.07.23
ISSUED FOR RELEASE	MG	JV	24.07.19
ISSUED FOR TENDER - REV 2	MG	JV	24.07.12
ISSUED FOR TENDER - REV 1	MG	JV	24.07.09
ISSUED FOR TENDER	MG	JV	24.07.08
ISSUED	Dwn	PM	YY.MM.DD

PROJECT MANAGER

PROJECT NO.

Client/Project

CALGARY VILLAINS FC
SOCCER DOME

830 59 AVE SE
CALGARY, AB T2H 2G5

Title

SITE PLAN

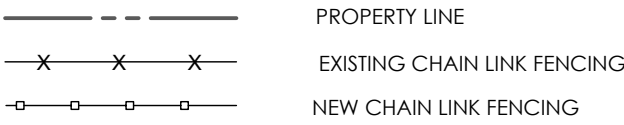
SCALE 1:300



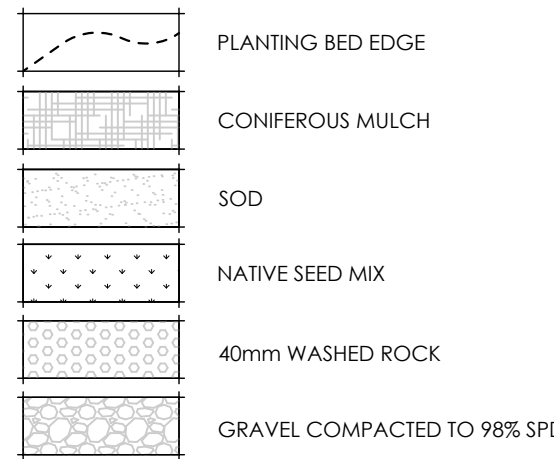
Drawing No.

L110

LEGEND



SOFT SURFACING



PLANTING KEY



PLANTING NOTES

1. MINIMUM SETBACKS FOR TREES (2021) DEVELOPMENT GUIDELINES AND STANDARD SPECIFICATIONS: LANDSCAPE CONSTRUCTION 4.1.3)

Deep Utilities	Poplar		Deciduous		Coniferous	
	Services	Mains Parallel to tree line	Services Medians Blvds	Mains Parallel to tree line	Services Medians Blvds	Mains Parallel to tree line
Sanitary	3.0 m	4.0 m	0 m ²	2.5 m	3.0 m	0 m ² 3.0 m
Storm (44.5m deep)	3.0 m	4.0 m	0 m ²	2.5 m	3.0 m	0 m ² 3.0 m
Water	3.0 m	4.0 m	0 m ²	2.5 m	3.0 m	0 m ² 3.0 m
Hydramts	3.0 m	4.0 m	N/A	2.5 m	N/A	3.0 m
Shadow Utilities	Poplar		Deciduous		Coniferous	
	Services	Mains Parallel to tree line	Services Medians Blvds	Mains Parallel to tree line	Services Medians Blvds	Mains Parallel to tree line
ATCO	2.0 m ²	2.0 m ²	2.0 m	2.0 m	2.0 m ²	2.0 m ²
TELUS	2.0 m ²	2.0 m ²	1.5 m	1.5 m	2.0 m ²	2.0 m ²
CTV	2.0 m ²	2.0 m ²	1.5 m	1.5 m	2.0 m ²	2.0 m ²
ENMAX	2.0 m ²	2.0 m ²	1.5 m	1.5 m	2.0 m ²	2.0 m ²
Enmax	Poplar		Deciduous		Coniferous	
	9.0 m		7.0 m - 9.0 m		7.0 m - 9.0 m	
Overhead (to outside construction)	N/A					
Transformers (within Right of Way)	(Tree planting not permitted within utility Right-of-Way)					
Street Light Poles	Poplar		Deciduous		Coniferous	
	5.0 m		4.0 m - 5.0 m		Min. 4.0 m	

GENERAL

- THE EXACT LOCATION OF TREES SHALL BE DETERMINED ON-SITE AND SHALL BE SUBJECT TO DRIVEWAY LOCATIONS, SERVICING, AND STREET LIGHTING, AND OTHER FURNISHINGS WHERE APPLICABLE. RECORD DRAWINGS ARE REQUIRED IF THERE ARE MAJOR CHANGES.
- TREES PLANTED 2.5M OR LESS FROM THE FENCE LINE TO BE GROUPED IN A MULCHED BED.
- BEDS AND TREE WELLS TO RECEIVE A MINIMUM OF 75MM DEPTH OF CLEAN CONIFEROUS TREE MULCH IMMEDIATELY TO ENSURE MOISTURE IS MAINTAINED IN THE ROOT ZONE TO FACILITATE EARLY ROOT DEVELOPMENT AND PROVIDE THE TREE WITH THE BEST ESTABLISHMENT OPPORTUNITY.
- ALL PLANT MATERIAL MUST MEET THE SPECIFICATIONS SET OUT IN THE LATEST GUIDE SPECIFICATIONS FOR NURSERY STOCK PREPARED BY THE CNLA AND ISA.
- AT THE TIME OF ACCEPTANCE, ALL MATERIAL MUST BE IN A HEALTHY, VIGOROUS GROWING CONDITION.
- PLANT MATERIAL SHALL BE MAINTAINED BY THE CONTRACTOR AS OUTLINED UNTIL THE DATE OF FINAL ACCEPTANCE.
- SUBGRADE TO BE SCARIFIED TO ENSURE ADEQUATE DRAINAGE.
- TOPSOIL TO BE 300MM DEPTH FOR PLANTING BEDS; 120MM DEPTH FOR SODDED AREAS.
- SOD TO BE #1 KENTUCKY BLUEGRASS/FESCUE

SEEDINGS

- SUBGRADE TO BE SCARIFIED TO ENSURE ADEQUATE DRAINAGE.
- APPLY TOPSOIL.
- 150MM FOR SEEDDED AREAS
- 300MM FOR NATIVE SEEDDED AREAS
- CONTRACTOR TO PROVIDE SEED CERTIFICATES TO NAK FOR REVIEW AND APPROVAL PRIOR TO SEED APPLICATION. ALL SPECIES SUBSTITUTES WILL REQUIRE ADDITIONAL APPROVAL.

- APPLY SEED MIX BY BRILLION SEEDING OR OTHER APPROVED ALTERNATIVES.
- DO ALL SEEDING IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE DURING THE PERIOD FROM MAY 1 TO SEPTEMBER 30 (OR AS WEATHER PERMITS), WHEN WIND SPEEDS ARE MINIMAL, AND WHEN SITE CONDITIONS ARE APPROVED BY THE PARKS.
- APPLY 91KG/HA OF 16-20-0 FERTILIZER AT THE TIME OF SEEDING AND THEN, TWO MONTHS INTO THE GROWING SEASON, APPLY 32 KG/HA OF 32-4-8 FERTILIZER.
- PROTECT ALL NEWLY SEEDDED AREAS AS REQUIRED AND REMEDY ALL DAMAGED AREAS UNTIL TURF HAS PROPERLY ESTABLISHED.

FORB, SHRUB & SMALL CALIPER TREE PLANTING NOTES

- PERENNIAL SHRUB, AND TREE PLANTING SHALL OCCUR AFTER HARD SURFACE AND ASSOCIATED RECREATION FACILITIES HAVE BEEN CONSTRUCTED.
- FOR NATURALIZED PLANTING, FORBS PERENNIALS AND SHRUBS SHALL BE PLANTED IN A RANDOM PATTERN MIMICKING A NATURAL DISTRIBUTION THROUGHOUT THE DISTURBED GROUND AS PER PLANTING INSTRUCTIONS.
- PERENNIALS, AND SHRUBS SHALL BE THOROUGHLY WATERED PRIOR TO PLANTING.
- THE TOP OF THE PLUG, PERENNIAL OR SHRUB ROOT BALL SHALL BE PLACED LEVEL WITH THE ADJACENT TOPSOIL.
- TOPSOIL SHALL BE BACKFILLED AND SLIGHTLY COMPACTED (BOOT PACKED/HAND PACKED) TO ENSURE THE PLANT RETAINS ITS ORIENTATION. NO AIR POCKETS SHALL REMAIN AROUND THE ROOTS.
- MULCHING AROUND PLANTING SHALL BE COMPLETED WHERE NEEDED TO REDUCE GRASS COMPETITION.
- SHRUBS SHALL BE THOROUGHLY WATERED WITHIN THE SAME WORKING DAY OF THE PLANTING AND WATERED FREQUENTLY TO MAINTAIN MOIST SOIL CONDITIONS DURING THE ESTABLISHMENT PERIOD (FIRST TWO YEARS).

PLEASE REFER TO SHEET L402 FOR CONTINUED PLANTING NOTES

PLANTING SCHEDULE: TREES

LEGEND	KEY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	QTY
⊙	PTE	<i>Populus tremula</i> 'Erecta'	SWEDISH COLUMNAR ASPEN	50mm cal.	29
⊗	PPF	<i>Picea pungens</i> 'Fastigiata'	COLUMNAR BLUE SPRUCE	2.0m ht.	19

PLANTING SCHEDULE: SHRUBS, GRASSES & PERENNIALS

LEGEND	KEY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	QTY
⊙	aa	<i>Amelanchier alnifolia</i>	SASKATOON	#5 pot, 0.6m ht.	6
⊙	cs	<i>Cornus sericea</i>	RED-TWIG DOGWOOD	#5 pot, 0.6m ht.	11
⊙	sjq	<i>Spirea japonica</i> 'Goldmound'	GOLDMOUND SPIREA	#5 pot, 0.6m ht.	41
⊙	st	<i>Spirea trilobata</i>	THREE-LOBED SPIREA	#5 pot, 0.6m ht.	49
⊙	labd	<i>Leymus arenarius</i> 'Blue Dune'	BLUE DUNE LYME GRASS	#2 pot, 0.3m ht.	15

NATIVE SEED MIX

COMMON NAME	SCIENTIFIC NAME	%
NORTHERN REED GRASS	<i>Calamagrostis inexplansa</i>	8
SLENDER WHEAT GRASS	<i>Agropyron trachycaulum</i> var. <i>trachycaulum</i>	12
CANADA WILD RYE	<i>Elymus canadensis</i>	2
FOOTHILLS ROUGH FESCUE	<i>Festuca campestris</i>	28
IDAHO FESCUE	<i>Festuca idahoensis</i>	15
JUNE GRASS	<i>Koeleria macrantha</i> 'cristata	9
GREEN NEEDLE GRASS	<i>Stipa viridula</i>	17
WESTERN WHEAT GRASS	<i>Agropyron smithii</i>	6
FOWL BLUEGRASS	<i>Poa palustris</i>	2
DRILL SEED RATE (KG/HA):		28.2

PROJECT NAME: CALGARY VILLAINS FC SOCCER DOME		
CIVIC ADDRESS: 830 59 AVENUE SE, CALGARY AB, T2H 2G5		
ZONE: I-B - INDUSTRIAL - BUSINESS		
SITE AREA: 13500m ²		
LANDSCAPE AREA	REQUIRED	PROVIDED
LANDSCAPE AREA (-3% FOR LOW WATER LANDSCAPING OPTION)	4995m ² (37% min.)	1136m ²
LANDSCAPE HARD SURFACE AREA	2498m ² (50% max.)	40m ²
LANDSCAPE SOFT SURFACE AREA	2498m ² (50% min.)	1096m ²
SOD AREA	1498m ² (30% max.)	317m ²
SETBACK REQUIREMENTS	REQUIRED	PROVIDED
FRONT SETBACK (SOUTH)	4.0 m	2.1m
REAR SETBACK (NORTH)	6.0 m	9.9m
SIDE SETBACK (EAST)	6.0 m	4.4m
SIDE SETBACK (WEST)	1.2 m	1.2m
TREE PLANTING	REQUIRED	PROVIDED
FRONT SETBACK (SOUTH) 844m ² = 1 TREE AND 2 SHRUBS FOR EVERY 50m ² WITH LOW WATER IRRIGATION SYSTEM		
DECIDUOUS 50mm CALIPER	4	6
DECIDUOUS 75mm CALIPER	2	0
CONIFEROUS 2.0m HT.	2	3
CONIFEROUS 3.0m HT.	1	0
SHRUBS	17	17
REAR SETBACK (NORTH) 540m ² = 1 TREE AND 2 SHRUBS FOR EVERY 50m ² WITH LOW WATER IRRIGATION SYSTEM		
DECIDUOUS 50mm CALIPER	3	20
DECIDUOUS 75mm CALIPER	4	0
CONIFEROUS 2.0m HT.	1	10
CONIFEROUS 3.0m HT.	2	0
SHRUBS	22	60
SIDE SETBACK (EAST) 866m ² = 1 TREE AND 2 SHRUBS FOR EVERY 50m ² WITH LOW WATER IRRIGATION SYSTEM		
DECIDUOUS 50mm CALIPER	6	0
DECIDUOUS 75mm CALIPER	6	0
CONIFEROUS 2.0m HT.	2	0
CONIFEROUS 3.0m HT.	3	0
SHRUBS	34	0
SIDE SETBACK (WEST) 204m ² = 1 TREE AND 2 SHRUBS FOR EVERY 50m ² WITH LOW WATER IRRIGATION SYSTEM		
DECIDUOUS 50mm CALIPER	1	3
DECIDUOUS 75mm CALIPER	2	0
CONIFEROUS 2.0m HT.	0	6
CONIFEROUS 3.0m HT.	1	0
SHRUBS	8	30

\\L1301\Calgary Office Documents\DESIGN RESOURCE\BLOGGOS - NAK\New NAK Logo.jpg

NAK Design Strategies

310 - 438 11th Ave SE
Calgary AB Canada
Tel. 403.261.1511
info@nak-design.com

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to NAK without delay. The Copyrights to all designs and drawings are the property of NAK. Reproduction or use for any purpose other than that authorized by NAK is forbidden.

Client/Owner



Key

Permit -Seal for Revision/Plan of Record

Revision/Plan of Record

Approval Authority

SIGNATURE

Approvals - Originally Approved By

YY.MM.DD

Permit -Seal for Issued

YY.MM.DD



ISSUED FOR UPDATED DEV. PERM.	CR	CR	26.06.10
ISSUED FOR PLANTING (REV. 1)	MG	JV	28.08.10
ISSUED FOR REVIEW (REV. 2) (REVISED 30)	MG	JV	28.07.10
ISSUED FOR TENDER - REV 3	MG	JV	24.07.23
ISSUED FOR RELEASE	MG	JV	24.07.19
ISSUED FOR TENDER - REV 2	MG	JV	24.07.12
ISSUED FOR TENDER - REV 1	MG	JV	24.07.09
ISSUED FOR TENDER	MG	JV	24.07.08
ISSUED	Dwn.	PM	YY.MM.DD

PROJECT MANAGER

PROJECT NO.

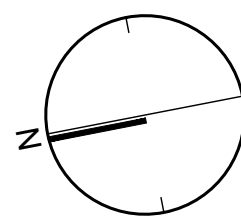
Client/Project

CALGARY VILLAINS FC
SOCCER DOME

830 59 AVE SE
CALGARY, AB T2H 2G5

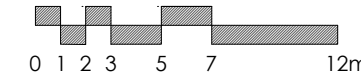
Title

PLANTING PLAN



Drawing No.

SCALE 1:300



L130