

----- LIMIT OF GRADING/LIMIT OF DISTURBANCE



EXISTING TREE TO REMAIN



EXISTING TREE TO BE REMOVED AND DISPOSED

## REFERENCE NOTES SCHEDULE TP-01

SYMBOL	FENCING DESCRIPTION	<u>QTY</u>	<u>DETAIL</u>
 FN-01	TREE PROTECTION FENCE	46.4 m	1/TP-01

TREE SCHEDULE						
NO	BOTANICAL NAME / COMMON NAME	DBH (CM)	ACTION			
1	POPULUS SP.	36	REMAIN			
2	TRUNK ONLY (DEAD)	0	REMOVE			
3	POPULUS SP.	0	REMOVE			
4	POPULUS SP.	40	REMAIN			
5	POPULUS SP.	61	REMOVE			
6	POPULUS SP.	40	REMAIN			

TREE PROTECTION IS REQUIRED FOR ALL RETAINED CITY OF CALGARY OWNED TREES WITHIN 4.0M OR THE DRIPLINE OF THE TREE.

PRIOR TO CONSTRUCTION, STANTEC IS TO IDENTIFY TREES FOR RETENTION AND REMOVAL IN CONJUNCTION WITH URBAN FORESTRY. NO EXISTING TREES ARE TO BE REMOVED UNTIL APPROVED AND DIRECTED BY STANTEC AND APPROVED BY URBAN FORESTRY. URBAN FORESTRY ARE THE ONLY ONES THAT CAN DIRECT THE REMOVAL OF CITY OF CALGARY PUBLIC TREES AND ONLY AFTER ALL OTHER OPTIONS HAVE BEEN EXHAUSTED.

ONLY CONTRACTORS THAT MEET URBAN FORESTRY MINIMUM REQUIREMENTS ARE ALLOWED TO PERFORM WORK ON CITY OF CALGARY PUBLIC TREES.

https://www.calgary.ca/bylaws/tree-protection.html

TREES IDENTIFIED FOR RETENTION WILL NOT BE REMOVED OR DAMAGED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM URBAN FORESTRY.

PRUNING OF TREES DURING CONSTRUCTION OR OPERATION REQUIRES PRIOR APPROVAL

FROM URBAN FORESTRY. ALL TRADESPERSONS AND CONTRACTORS ON SITE WILL BE MADE AWARE AND ADHERE TO THE TREE PROTECTION MEASURES OUTLINED BELOW.

TREE PROTECTION ZONES WILL BE IDENTIFIED BY CONTRACTOR AND FENCED.

TREE PROTECTION FENCING

ALL EXISTING TREES TO REMAIN ARE TO BE PROTECTED WITH TEMPORARY TREE PROTECTION FENCING CONSISTING OF 1.5M HIGH ORANGE PLASTIC CONSTRUCTION FENCE MOUNTED ON STEEL 'T'-BARS @ MIN. 1.2M O.C. DRIVEN INTO THE GROUND A MINIMUM OF EVERY 0.6M. THIS IS A MINIMUM REQUIREMENT. SHOULD THE NATURE OF THE WORK HAVE A HIGHER POTENTIAL TO IMPACT TREES, ADDITIONAL FENCING SUCH AS CHAIN-LINK CONSTRUCTION PANELS WITH AN APPROXIMATE HEIGHT OF 1.5M SHOULD BE USED. THE TREE PROTECTION ZONE (TPZ) WILL BE A MINIMUM DISTANCE OF 4M FROM THE TREE TRUNK OR TO THE DRIPLINE, WHICHEVER IS GREATER. THE CANOPY OF THE TREE SHALL BE PROTECTED TO THE DRIPLINE.

PROTECTIVE FENCING IS TO BE INSTALLED PRIOR TO START OF CONSTRUCTION. FENCING IS TO REMAIN THROUGHOUT CONSTRUCTION. ACTUAL FIELD PLACEMENT OF THE CONSTRUCTION FENCING SHOULD BE DETERMINED IN CONJUNCTION WITH URBAN FORESTRY.

ALL SUPPORTS AND BRACING FOR PROTECTIVE FENCING IS TO BE INSTALLED OUTSIDE THE TPZ. FENCING TO BE INSTALLED TO MINIMIZE DAMAGE TO TREE ROOTS. FENCING SHALL REMAIN IN GOOD CONDITION UNTIL CONSTRUCTION COMPLETION.

NO ALTERATION OR DISTURBANCE OF THE GRADE WILL OCCUR WITHIN THE TPZ. NO EQUIPMENT OR CONSTRUCTION MATERIALS WILL BE STORED WITHIN THE TPZ.

NO SOIL, CONSTRUCTION WASTE, OR DEBRIS WILL BE STORED WITHIN THE TPZ. NO DISPOSAL OF LIQUIDS WILL OCCUR WITHIN THE TPZ.

NO VEHICLE, EQUIPMENT, OR PEDESTRIAN ACCESS THROUGH THE TPZ, UNLESS EXPRESSLY APPROVED BY URBAN FORESTRY FOR THE MAINTENANCE OF THE TREES WITHIN THE AREA. AREAS WITHIN THE DRIPLINE OF THE TREES ARE NOT TO BE USED FOR ANY TYPE OF STORAGE (E.G. STORAGE OF DEBRIS, SURPLUS SOILS).

DO NOT PERFORM TRENCHING OR TUNNELING FOR UNDERGROUND SERVICES WITHIN THE DRIPLINE OF TREES DESIGNATED FOR PRESERVATION, UNLESS APPROVED BY URBAN FORESTRY. TREES SHALL NOT HAVE ANY RIGGING CABLES OR HARDWARE OF ANY KIND ATTACHED OR WRAPPED AROUND THEM, WITHOUT APPROVAL FROM URBAN FORESTRY, NOR SHALL ANY CONTAMINANTS BE DUMPED WITHIN THE PROTECTIVE AREAS. DO NOT DISPOSE OF CONTAMINANTS WHERE THEY MAY COME INTO CONTACT WITH THE FEEDER ROOTS OF THE

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT PLANT AND ROOT SYSTEMS FROM DAMAGE, COMPACTION AND CONTAMINATION RESULTING FROM THE CONSTRUCTION TO THE SATISFACTION OF URBAN FORESTRY.

TPZ WILL NOT BE MODIFIED UNLESS AUTHORIZED BY URBAN FORESTRY. ANY CLEARANCE PRUNING MUST BE AUTHORIZED BY URBAN FORESTRY

IN THE EVENT THAT IT IS NECESSARY TO REMOVE LIMBS OR PORTIONS OF TREES TO ACCOMMODATE CONSTRUCTION, URBAN FORESTRY IS TO BE INFORMED AND THE PRUNING. ONCE APPROVED BY URBAN FORESTRY IS TO BE PERFORMED BY A CONTRACTOR THAT MEETS URBAN FORESTRY'S MINIMUM REQUIREMENTS AT THE EXPENSE OF THE PROJECT.

TREE MONITORING AND MAINTENANCE

CONTRACTOR TO MONITOR TREE CONDITION DURING CONSTRUCTION. ENSURE TREES ARE NOT DAMAGED OR SHOWING SIGNS OF DECLINE.

WHEN IN QUESTION URBAN FORESTRY WILL BE CONTACTED AND DIRECTION WILL BE PROVIDED

BY URBAN FORESTRY AS TO MITIGATION REQUIREMENTS. CRITICAL ROOT ZONE THE CRITICAL ROOT ZONE (CRZ) IS THE PORTION OF TREE ROOTS THAT MAINTAIN THE HEALTH

AND STABILITY OF THE TREE. URBAN FORESTRY WILL DETERMINE THE CRZ FOR EACH TREE AS

NEEDED. IF WORKING WITHIN 4.0M OF A TREE TRUNK OR WITHIN THE DRIPLINE CONTACT URBAN FORESTRY.

NO WORK WILL BE PERFORMED WITHIN THE CRITICAL ROOT ZONE. COMMUNICATION PLAN

CONTRACTOR TO IMPLEMENT A COMMUNICATION PLAN TO ENSURE TREE PROTECTION REQUIREMENTS ARE FOLLOWED. THE SITE SUPERVISOR WILL OVERSEE TREE PROTECTION REQUIREMENTS. THE CITY OF CALGARY

URBAN FORESTRY WILL BE PROVIDED CONTACT INFORMATION FOR THE SITE SUPERVISOR AND ALL REPLACEMENTS SHOULD THE MAIN SITE SUPERVISOR NOT BE AVAILABLE. FOR ALL TREE RELATED ISSUES THE PROJECT MANAGER WILL BE NOTIFIED AND URBAN FORESTRY CONTACTED IMMEDIATELY TO DISCUSS THE ISSUES AND REQUIRED MITIGATION.

(1) CONTRACTOR TO INSTALL SIGN ON FENCE FACING PUBLIC AREAS TO READ "WARNING TREE PROTECTION ZONE". COLOUR OF SIGN TO PROVIDE STARK CONTRAST TO FENCE FOR EASY READABILITY

(2) 1200mm HT BRIGHTLY COLOURED PLASTIC BARRIER FENCING SUPPORTED BY METAL T-BAR POSTS

(3) EXISTING GRADE

OR TO DRIPLINE (TYP

4000mm RADIUS

-ALL BRACING AND SUPPORTS SHALL BE INSTALLED TO MINIMIZE DAMAGE TO TREE ROOTS -PROTECTIVE FENCING SHALL REMAIN STANDING AND IN GOOD CONDITION UNTIL CONSTRUCTION

COMPLETION -THE CANOPY OF THE TREE SHALL BE PROTECTED TO THE DRIPLINE, WHERE POSSIBLE -PROTECTIVE FENCING SHALL BE INSTALLED TO MAINTAIN A PROTECTED AREA 4000mm RADIUS OUT FROM TREE TRUNK OR TO DRIPLINE, UNLESS APPROVED

ON SITE BY OWNER'S ENGINEER AND PROJECT LANDSCAPE ARCHITECT -NO EQUIPMENT OR CONSTRUCTION MATERIALS ARE

TO BE STORED WITHIN THE TPZ -NO ALTERATION OF GRADE WITHIN THE TPZ UNLESS APPROVED BY PROJECT LANDSCAPE ARCHITECT AND OWNER'S ENGINEER -NO SOIL, CONSTRUCTION WASTE, OR DEBRIS WILL BE

STORED WITHIN THE TPZ -NO DISPOSAL OF LIQUIDS WILL OCCUR WITHIN THE TPZ -THERE WILL BE NO ACCESS FOR VEHICLES, EQUIPMENT, OR PEDESTRIANS THROUGH THE TPZ. UNLESS EXPRESSLY PERMITTED FOR THE MAINTENANCE OF THE TREES WITHIN THE AREA

-SIGNS INDICATING THE TPZ ARE TO BE LOCATED ON THE PROTECTIVE BARRIER FENCING - PROTECTIVE FENCING REQUIRED FOR ALL TREES WITHIN 6m OF LIMIT OF CONSTRUCTION

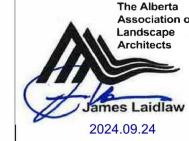
TREE PROTECTION FENCE

**NOTES** 

100% DESIGN SUBMISSION

DESCRIPTION SEAL

100% DESIGN SUBMISSION



2024-09-19

NAD 83

COORDINATES

BY DESIGNED 2024-09-19 AC AC 2024-09-19 CHECKED 2024-09-19

1:500



PROJECT

SCALE

## THE CITY OF CALGARY **32 AVENUE NE PATHWAY** FROM NOSE CREEK PATHWAY TO 6 STREET NE

SEC: 34 - TWP:24 - RGE: 1- W 5th M

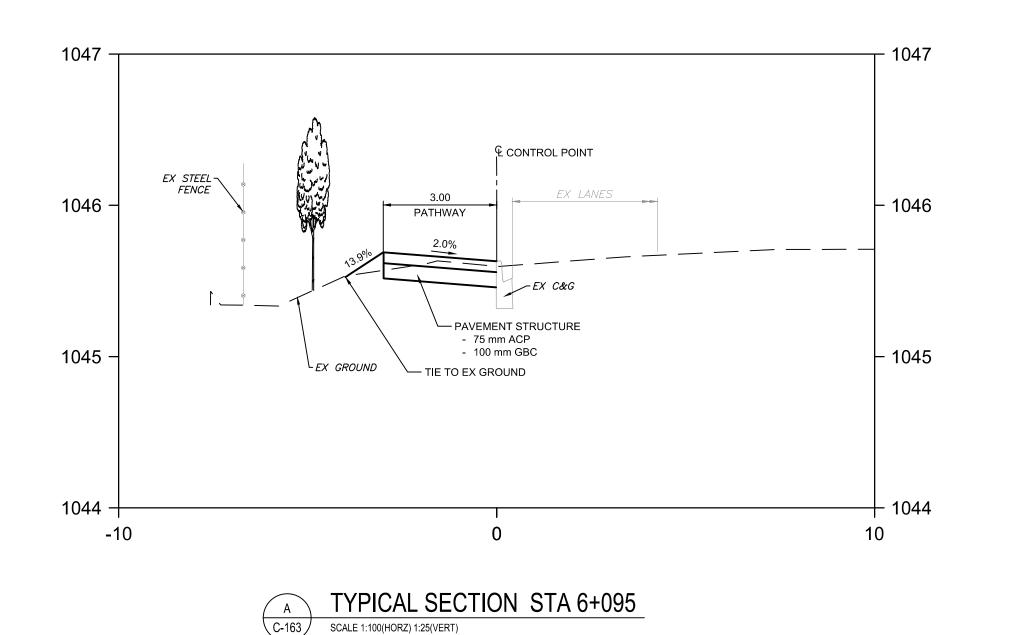
SHEET TITLE

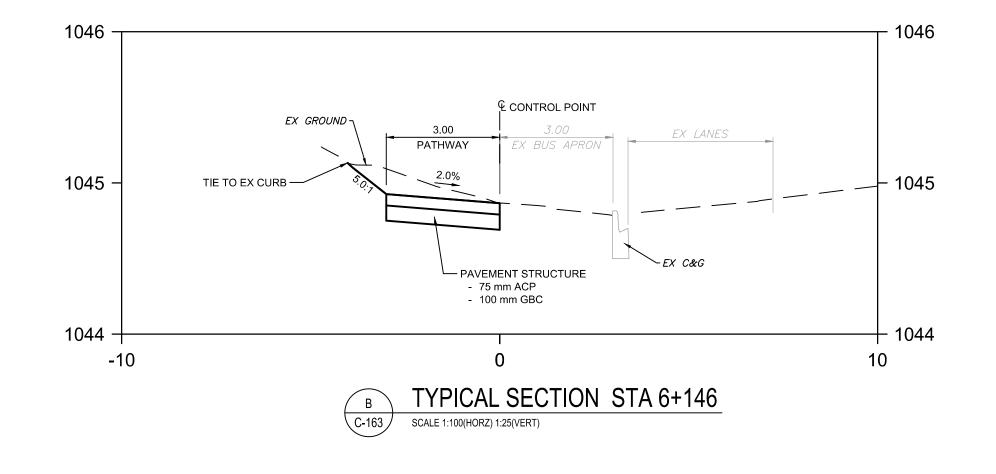
LANDSCAPE TREE PROTECTION AND REMOVALS PLAN

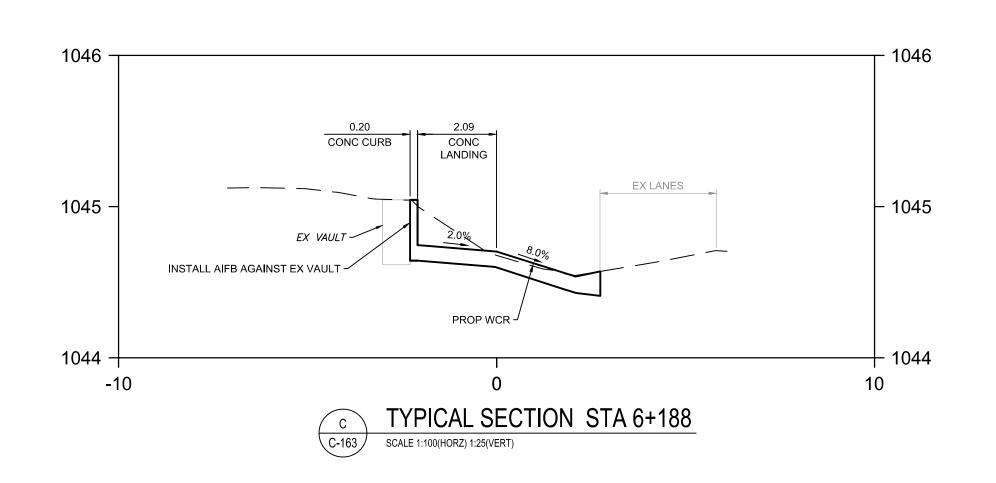
ENG DWG NO. 78602-5a\_06\_32ave\_tpp.dwg SHEET ID. SHEET NO. TP-01 1/3 PROFILE NO. 2024-09-19

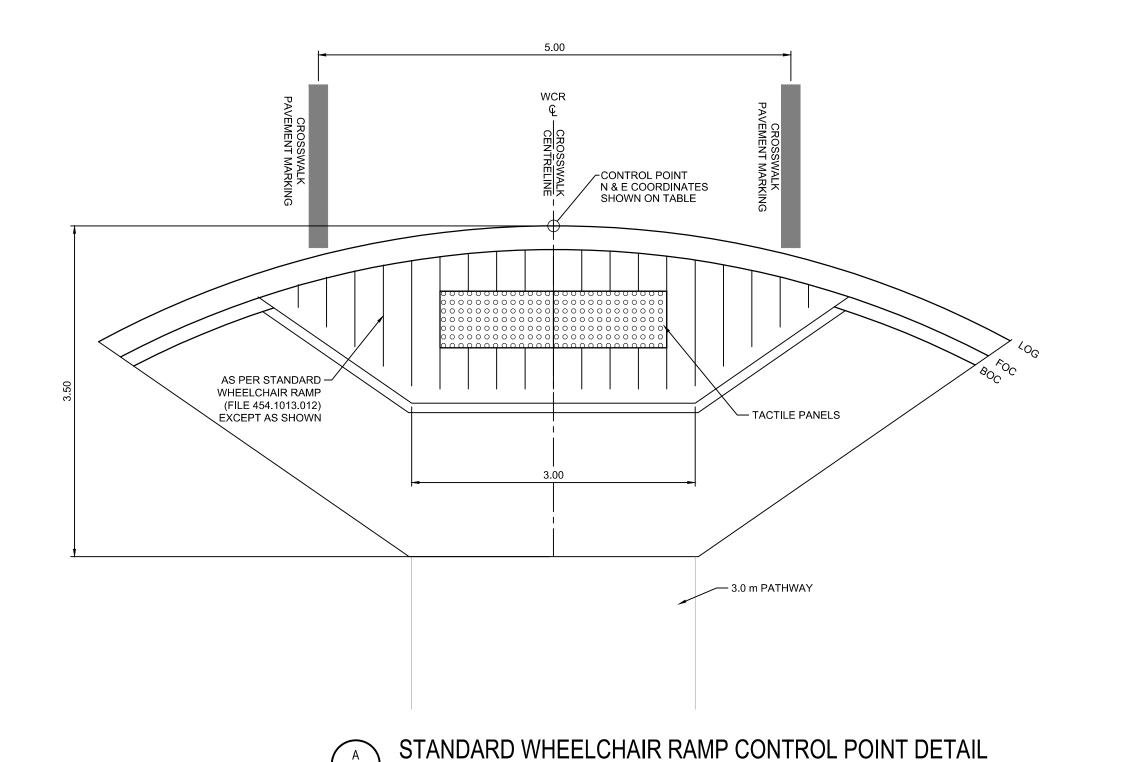
ISC: ###

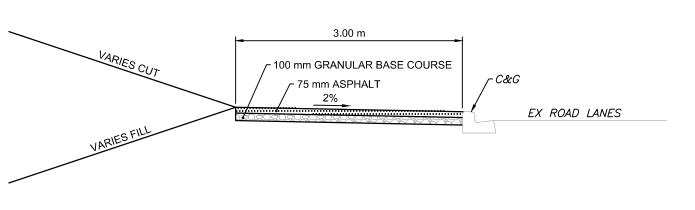
SHEET SIZE ANSI D



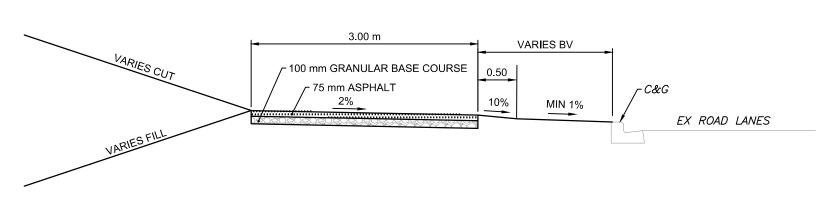








MONOLITHIC PATHWAY CUT/FILL



NOT TO SCALE

PATHWAY WITH BV CUT/FILL

**NOTES** 

**NOTES** 

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



**NAD 83** COORDINATES 100% DESIGN SUBMISSION

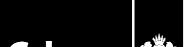
100% DESIGN SUBMISSION 2024-09-19 GE DH DATE BY APPD DESCRIPTION

PERM**I**T

PERMIT TO PRACTICE STANTEC CONSULTING LTD RM APEGA ID #: 82152 Sep. 24 2024 PERMIT NUMBER: P000258

The Association of Professional Engineers and Geoscientists of Alberta (APEGA) DATE YYYY-MM-DD)

DESIGNED GE 2024-09-19 RS 2024-09-19 CHECKED DH 2024-09-19 SCALE AS SHOWN





PROJECT

THE CITY OF CALGARY 32 AVENUE NE PATHWAY FROM NOSE CREEK PATHWAY TO 6 STREET NE

SEC: 34 - TWP:24 - RGE: 1- W 5th M SHEET TITLE

> **TYPICAL SECTIONS** MISSCELLANEOUS DETAILS

FILE NO. 78602g-C262.dwg			ENG DWG NO.		
SHEET ID.			SHEET NO.		
C-262		10 / 10			
	ВҮ		DATE (YYYY-MM-DD)	PROFILE NO.	
DRAWN	RS		2024-09-19		
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