



THE MUNICIPALITY OF  
EAST HANTS

# HIGHWAY 2 PEDESTRIAN CROSSING

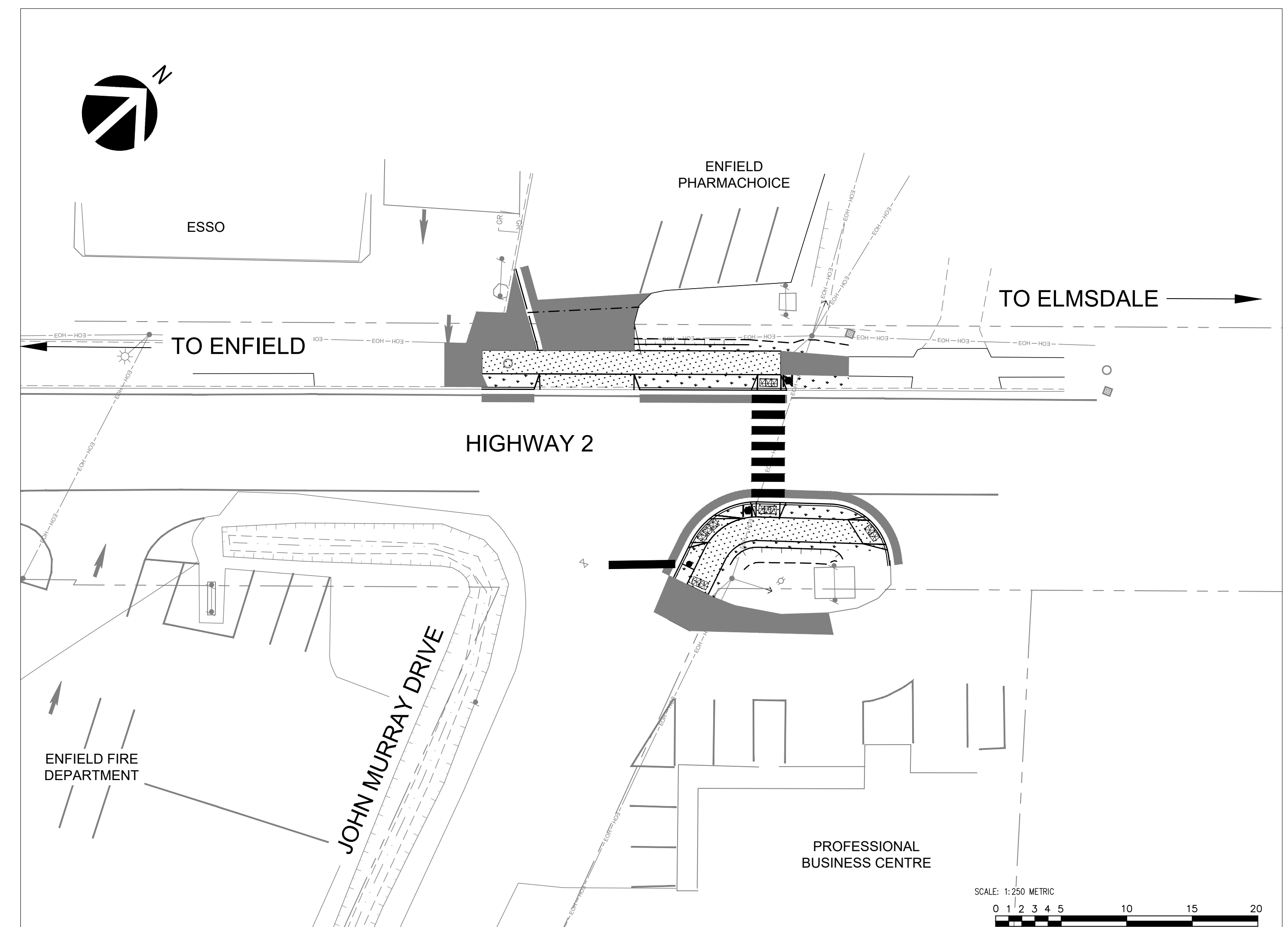
HIGHWAY 2 AT JOHN MURRAY DRIVE

EAST HANTS, N.S.

ISSUED FOR TENDER

WSP Project No: CA003769.0702

Date: OCTOBER 18, 2024



C01 LAYOUT AND GRADING  
C02 NOTES AND DETAILS

We see the future more clearly and design for it today.



WSP Canada Inc. 1 Spectacle Lake Drive, Halifax, Nova Scotia B3B 1X7 T 902-835-9955 | [www.wsp.com](http://www.wsp.com)





1. ALL WORK TO BE DONE ACCORDING TO THE CONTRACT DOCUMENTS.
2. ALL WORKS TO BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR MUNICIPAL SERVICES" PREPARED JOINTLY BY THE NOVA SCOTIA ROADBUILDERS ASSOCIATION AND THE CONSULTING ENGINEERS OF NOVA SCOTIA (CURRENT EDITION).
3. ALL WORKS TO BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS OF NOVA SCOTIA ENVIRONMENT.
4. CONTRACTOR SHALL ADHERE TO ALL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
5. ALL ELEVATIONS ARE METRIC AND GEODETIC.
6. CONTRACTOR TO NOTIFY THE MUNICIPALITY OF EAST HANTS REGARDING CONSTRUCTION SCHEDULE PRIOR TO COMMENCING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE TO ARRANGE FOR ON SITE LOCATIONS WITH ALL UTILITIES PRIOR TO START OF WORK. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS, SUCH AS NS POWER, BELL ALIANT, AND EASTLINK. CONTRACTOR TO COORDINATE ALL WORK WITH THE NECESSARY UTILITIES.
8. CONTRACTOR RESPONSIBLE TO HAVE ANY DAMAGED/REMOVED PROPERTY SURVEY PINS REPAIRED/REPLACED BY LICENSED SURVEYOR.
9. CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL AS PROVIDED BY THE ENGINEER.
10. THE LOCATION OF THE EXISTING INFRASTRUCTURE AS SHOWN ON THE DRAWINGS, ARE BASED ON BEST AVAILABLE INFORMATION, INCLUDING RECORD INFORMATION, FIELD SURVEYS, AND VERBAL INFORMATION, AND ARE NOT NECESSARILY ACCURATE OR COMPLETE. CONTRACTOR SHALL CONFIRM ALL EXISTING DIMENSIONS, ELEVATIONS AND LOCATIONS AND REPORT ANY DISCREPANCY TO THE ENGINEER. CONTRACTOR TO ALLOW A 1 WEEK REVIEW PERIOD BY THE ENGINEER.

11. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE. DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE TO THE OWNERS SATISFACTION
12. MATERIALS SHALL NOT BE SUBSTITUTED UNLESS PRIOR APPROVAL IS PROVIDED BY THE ENGINEER.
13. SHOP DRAWINGS TO BE PROVIDED FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION.
14. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF TREES NOT DESIGNATED TO BE REMOVED, WITHIN THE CONSTRUCTION AREA. TREES ARE NOT TO BE REMOVED WITHOUT PERMISSION OF THE ENGINEER.
15. CONTRACTOR TO TAKE ALL NECESSARY MEASURES TO MINIMIZE DISTURBANCE TO EXISTING TREES AND TREE ROOTS DURING CONSTRUCTION.
16. ALL DISTURBED STREET SURFACES TO BE REINSTATE TO NSPW STANDARDS. REINSTATE ALL CONCRETE OR ASPHALT TO SATISFACTION OF ENGINEER WHILE ALL OTHER AREAS TO BE SODDED/SEEDED, COMPLETE WITH 100MM OF TOP SOIL.
17. DO NOT ENCRATCH ON ADJACENT PROPERTY, MAKE GOOD ANY DAMAGE TO ADJACENT PROPERTIES AT CONTRACTOR'S EXPENSE. PERMISSION FROM LANDOWNER(S) REQUIRED TO WORK ON PRIVATE PROPERTY.
18. ALL EARTHWORK (INCLUDING SUBGRADE), TRENCH WORK, PIPE BEDDING, AND SURFACE TREATMENT (INCLUDING ASPHALT AND GRAVEL) TO BE REVIEWED FOR APPROVAL.
19. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES REQUIRED FOR THE PROJECT. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLAN TO THE MUNICIPALITY OF EAST HANTS FOR APPROVAL.
20. EXISTING STREET CROSS SLOPE TO BE EXTENDED TO NEW EDGE OF ASPHALT. NO ISOLATED HIGH SPOTS ARE ALLOWED. IF A SITUATION IS TO ARISE, NOTIFY THE FIELD ENGINEER FOR FURTHER DIRECTION.
21. NO TRENCHES WILL BE ALLOWED TO BE LEFT OVERNIGHT.
22. NO PIPES ARE TO BE BACKFILLED WITHOUT THE FIELD ENGINEER'S INSPECTION AND APPROVAL.
23. GRADE AND CONTRACT SUB-GRADE PRIOR TO PLACING SELECT BORROW MATERIAL. IF SOFT AREAS DEVELOP, REPAIR PRIOR TO PLACING SELECT BORROW MATERIAL TO THE SATISFACTION OF THE ENGINEER.
24. ALL AREAS DISTURBED DURING CONSTRUCTION ARE TO BE REINSTATE TO THE ORIGINAL CONDITION TO THE APPROVAL OF THE ENGINEER. ALL COSTS FOR REINSTATEMENT ARE TO BE INCLUDED IN THE PER UNIT COST OF ITEMS INVOLVED.

1. CONSTRUCTION ACTIVITIES TO BE CONDUCTED BASED ON THE PRINCIPLE OF EROSION PREVENTION BY MINIMIZING THE TIME AND AREA OF EXPOSED SOIL. PRIOR TO COMMENCEMENT OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE PROJECT MANAGER A PLAN OF THE SITE BAKEN DOWN INTO WORK AREAS. A WORK AREA IS DEFINED BY THE CONTRACTOR'S ABILITY TO COMPLETE EXCAVATION, GRADING AND STABILIZATION IN THOSE WORK AREAS WITHIN 30 DAYS. THE WORK AREAS MUST BE APPROVED BY THE PROJECT MANAGER. ONCE EXCAVATION BEGINS, THE CONTRACTOR SHALL COMPLETE AND STABILIZED BEFORE THE CONTRACTOR CAN PROCEED TO OTHER AREA(S). THE CONTRACTOR WILL BE ALLOWED TO WORK ON TWO WORK AREAS CONCURRENTLY IF APPROVED BY THE PROJECT MANAGER.
2. ALL WORKS TO BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF NOVA SCOTIA ENVIRONMENT.
3. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF NATURAL WATERCOURSES AND LAKES FROM DAMAGE DUE TO SILTATION RUNOFF FROM THE CONSTRUCTION SITE. ACCEPTABLE CONSTRUCTION PRACTICES MAY BE OBTAINED FROM THE "EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITES", CURRENT EDITION BY THE NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT.
4. CONTRACTOR TO MONITOR ENVIRONMENT CANADA'S 5 DAY FORECAST ON A DAILY BASIS (ENVIRONMENT CANADA'S WEATHER LINE 426-9090). WHEN A RAIN IS FORECASTED FOR GREATER THAN 10 mm, THE CONTRACTOR SHALL ENSURE THAT ALL EXPOSED AREAS ARE STABILIZED PRIOR TO THE RAINFALL EVENT.
5. CONTRACTOR TO INSPECT SEDIMENTATION CONTROL STRUCTURES AND MAKE NECESSARY REPAIRS ON A WEEKLY BASIS BEFORE AND AFTER EACH RAINFALL EXCEEDING 10 mm. CONTRACTOR TO KEEP A LOG DOCUMENTING INSPECTIONS, REMEDIATION ACTION AND WEEKLY REPORT OF EXPOSED AREAS.
6. CONTRACTOR TO HAVE AN APPOINTED EROSION AND SEDIMENTATION CONTROL PERSON WHO IS THE HOLDER OF A "GREEN CARD" (CWRS COURSE ON EROSION AND SEDIMENT CONTROL FOR HIGHWAY CONSTRUCTION AND BUILDING SITES). THIS PERSON IS RESPONSIBLE FOR THE MONITORING AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES FOR THE DURATION OF THE CONSTRUCTION UNTIL THE SITE IS STABILIZED.
7. THE CONTRACTOR SHALL DIVERT SURFACE RUNOFF AWAY FROM THE ACTIVE WORKS AREAS BY USE OF DIVERSION DITCHES, SWALES OR BERMS SO THAT WORK CAN BE CONDUCTED IN THE DRY. THE CONTRACTOR SHALL ENSURE THAT ALL DIVERSION DITCHES, SWALES OR BERMS ARE STABILIZED TO PREVENT EROSION OF THESE CONTROL MEASURES.
8. CONTRACTOR TO HAVE ADDITIONAL SILT FENCE, BALED HAY AND LOOSE HAY AND/OR MULCH, AND C2 AND C3 CLEAR STONE (AS PER DIVISION 3, SECTION 4 OF NSPWP'S STANDARD SPECIFICATIONS) ON SITE FOR MAINTENANCE AND INSTALLATION OF ADDITIONAL MEASURES AS REQUIRED.
9. FILTER BAGS TO BE PROVIDED AND MAINTAINED IN CATCH BASINS ADJACENT TO THE WORK SITE DURING CONSTRUCTION.
10. CONTRACTOR TO COVER EXPOSED SURFACES WITH STRAW OR HAY MULCH

WHERE SILT FENCE IS REQUIRED AND GROUND IS TOO ROCKY TO INSTALL REGULAR SILT FENCE, CONTRACTOR MAY SUBSTITUTE WITH NATURAL JUTE BAGS FILLED WITH WOOD CHIPS OR C2 CLEAR STONE.

IF DEWATERING IS REQUIRED IN A WORK AREA, CONTRACTOR TO DISCHARGE SEDIMENT LADEN WATER INTO A FILTER BAG OR A 20' M LONG SECTION OF PERFORATED PVC HEADER PIPE, WHICH IS DIRECTED TO A VEGETATED AREA OF SITE. OTHER DISCHARGE METHODS TO BE APPROVED BY THE PROJECT MANAGER.

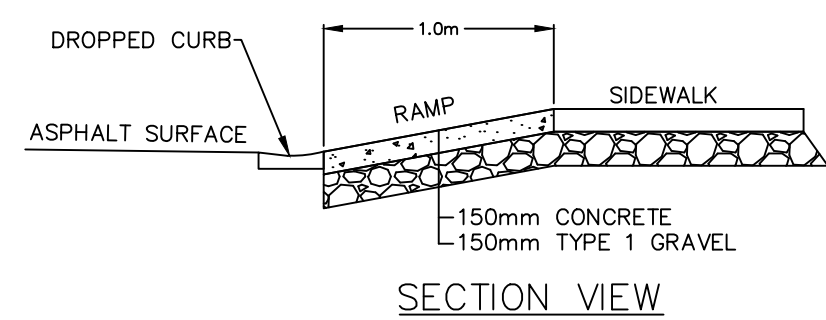
MAINTAIN CLEAN GRAVEL ACCESS ROAD TO SITE. PERIODICALLY APPLYING ADDITIONAL GRAVEL TO COVER MUD SURFACES. CONTRACTOR RESPONSIBLE TO CLEAN ADJACENT STREETS AS DIRECTED BY THE ENGINEER.

STOCKPILED MATERIALS ON-SITE MUST BE STABILIZED USING APPROPRIATE MEASURES INCLUDING SILT FENCE, HAY AND TARPS.

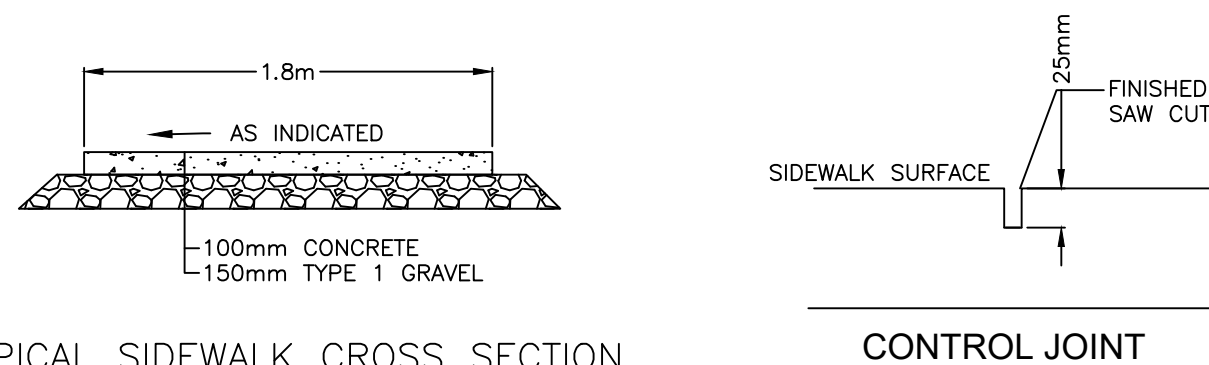
ALL SEDIMENTATION CONTROL MEASURES TO BE FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.

CONTRACTOR TO LEAVE SEDIMENTATION CONTROL MEASURES IN SERVICE UNTIL ENGINEER OR THE MUNICIPALITY REQUESTS THAT THEY BE TAKEN OUT OF SERVICE.

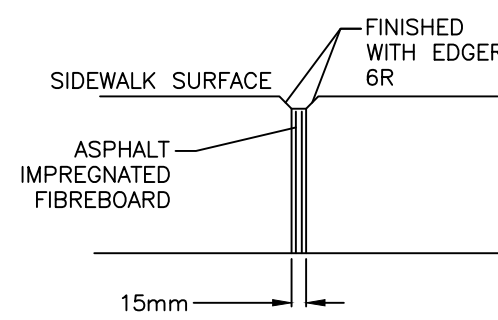
THE SEDIMENTATION AND EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE RECOMMENDATIONS ONLY. DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION, ADDITIONAL MEASURES MAY BE REQUIRED.



NOT TO SCALE



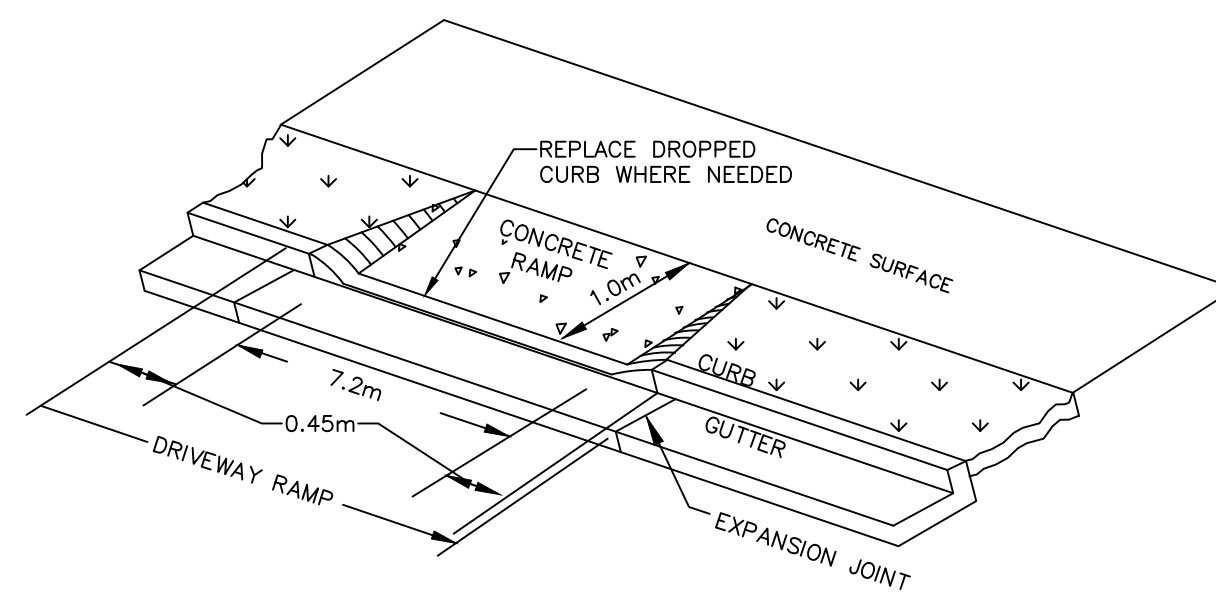
### TYPICAL SIDEWALK CROSS SECTION



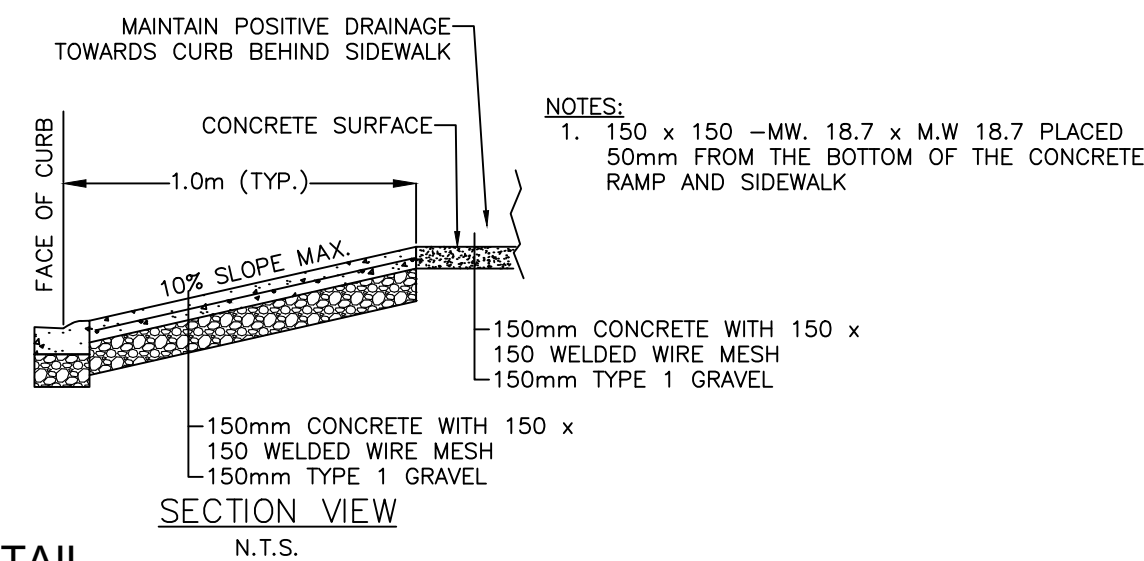
### EXPANSION JOINT

**NOTES:**  
1. PEDESTRIAN RAMPS SHALL HAVE A MINIMUM OF 1000mm WIDE LOW BACK CURB AND A 450mm TAPER ON BOTH ENDS.

NOT TO SCALE



NOT TO SCALE



NOTES:

1. 150 x 150 -M.W. 18.7 x M.W 18.7 PLACED 50mm FROM THE BOTTOM OF THE CONCRETE RAMP AND SIDEWALK

LEGEND:	EXISTING	PROPOSED
EDGE OF PAVEMENT		
GRAVEL SHOULDER		
UTILITY POLE & GUY WIRE		
CURB		
HAND RAIL		
TOP OF SLOPE		
BOTTOM OF SLOPE		
DITCH/DRAVE		
NEW ASPHALT		
CONCRETE SIDEWALK		
CATCH BASIN		
PROPERTY LINE		
EDGE OF PAVEMENT (REMOVAL)		
CURB (REMOVAL)		
SIDEWALK (REMOVAL)		
PAINT LINE (REMOVAL)		
GRASS BOULEVARD (REMOVAL)		

0	2024-10-18	ISSUED FOR TENDER			J
REV	DATE	DESCRIPTION			B

DATE  
2024-10-21

*J. Gray*


J. GRAY

11649

REGISTERED PROFESSIONAL ENGINEER

PROVINCE OF NOVA SCOTIA

DISCLAIMER: THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WSP. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ANY ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.

ORIGINAL SCALE: --	DATE: 2024-08-15
APPROVED BY: J. GRAY	
CHECKED BY: J. GRAY/G. OBRIEN	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
DRAWN BY (OPTIONAL): S. HAY	
	



WSP Canada Inc.  
1 Spectacle Lake Drive, Dartmouth, Nova Scotia B3B 1X7  
T 902-835-9955 | [www.wsp.com](http://www.wsp.com)

PROJECT NUMBER: CA0037679.0702

CLIENT:



CLIENT REF. #: --

## HIGHWAY 2 PEDESTRIAN CROSSING

TITLE: \_\_\_\_\_

## NOTES AND DETAILS

DRAWING NUMBER: C02

REV  
0