

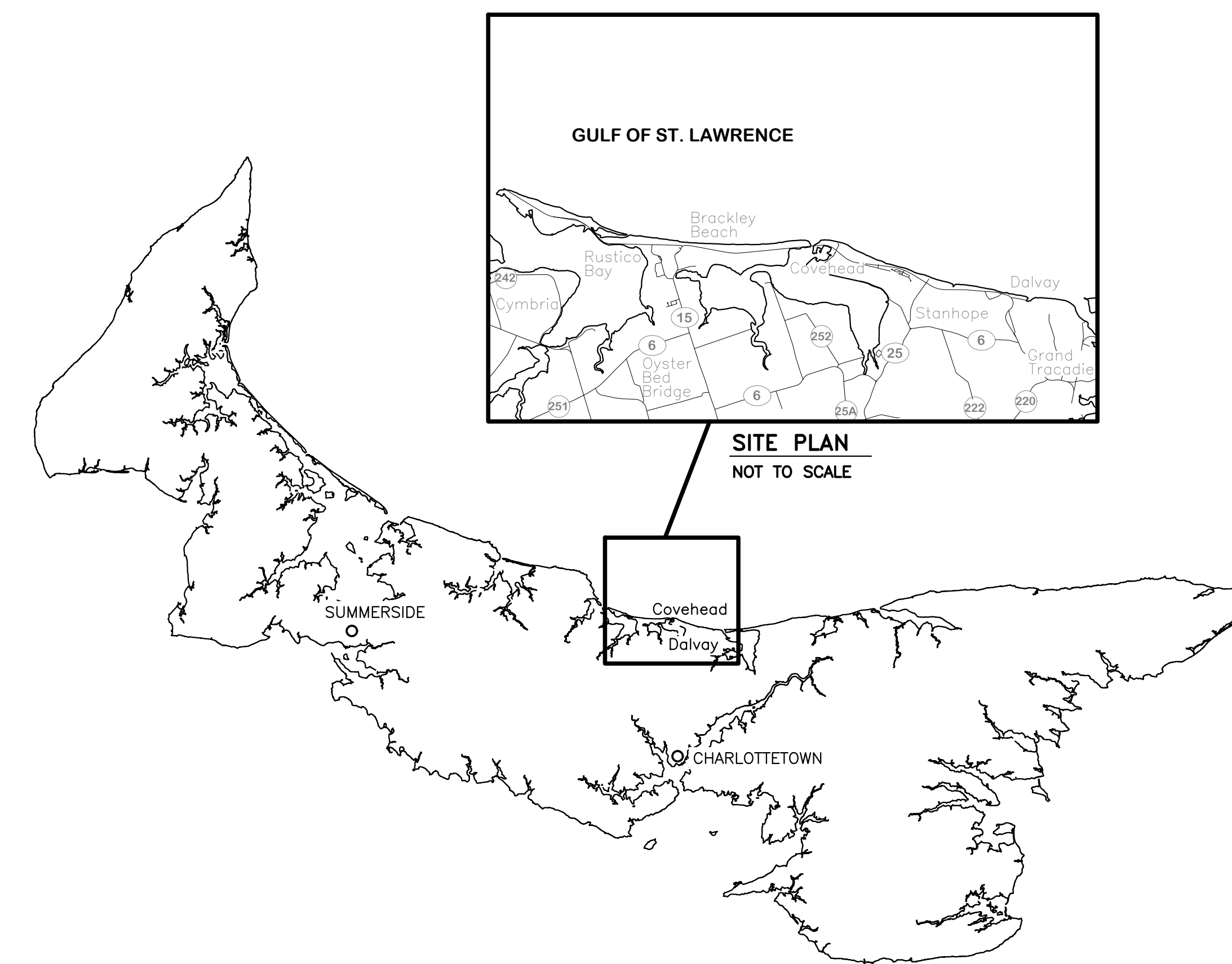
Parcs Canada Parks Canada

GULF SHORE PARKWAY RENOVATION AND EMBANKMENT PROTECTION

PRINCE EDWARD ISLAND NATIONAL PARK

PROJECT NO. 2407

wsp
WSP Canada Inc.
195 MacEwen Road
Summerside, Prince Edward Island, Canada C1N 5Y4
T 902-436-2669 F 902-436-8601 www.wsp.com



DRAWING LIST

DRAWING NO.	TITLE
C1 OF 14	COVEHEAD BRIDGE WEST APPROACH AT TRAIL PLAN
C2 OF 14	COVEHEAD BRIDGE WEST APPROACH— EXISTING CONDITIONS
C3 OF 14	COVEHEAD BRIDGE WEST APPROACH— RIP RAP PLAN
C4 OF 14	COVEHEAD BRIDGE WEST APPROACH— RIP RAP SECTIONS
C5 OF 14	COVEHEAD BRIDGE EAST APPROACH— EXISTING CONDITIONS
C6 OF 14	COVEHEAD BRIDGE EAST APPROACH— RIP RAP PLANS
C7 OF 14	COVEHEAD BRIDGE EAST APPROACH— RIP RAP SECTIONS
C8 OF 14	STANHOPE— EXISTING CONDITIONS
C9 OF 14	STANHOPE— RIP RAP PLAN
C10 OF 14	STANHOPE— RIP RAP SECTION
C11 OF 14	DALVAY BEACH AREA— EXISTING CONDITIONS
C12 OF 14	DALVAY BEACH AREA— RIP RAP PLANS
C13 OF 14	DALVAY BEACH AREA— RIP RAP SECTIONS
C14 OF 14	DALVAY BEACH AREA— RIP RAP SECTIONS

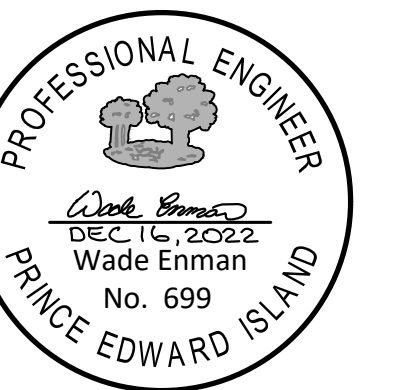
Canada



KEY PLAN: NOT TO SCALE

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revisions		date

project project

GULF SHORE PARKWAY RENOVATION AND EMBANKMENT PROTECTION

drawing dessin

COVEHEAD BRIDGE WEST APPROACH AT TRAIL PLAN

designed W. ENMAN conçu

date 2022/12

drawn G. KAUR dessiné

date 2022/12

approved approuvé

date

Tender Soumission

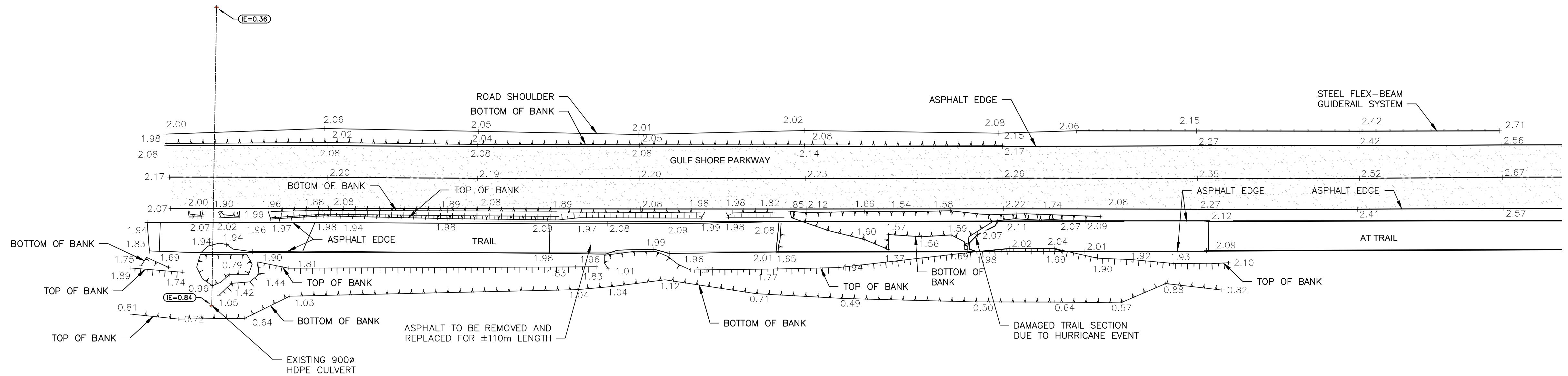
Project Manager Administrateur de projets

project number no. du projet

2407

drawing no. no. du dessin

C1

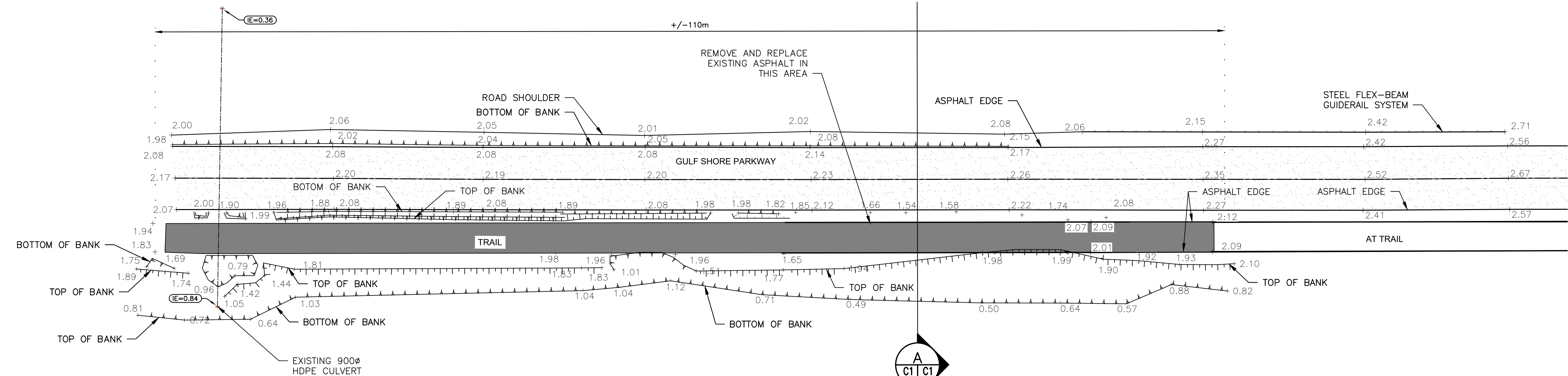


EXISTING CONDITIONS PLAN

SCALE : 1:250

0m 5m 10m 15m 20m 25m

1
C1 C1

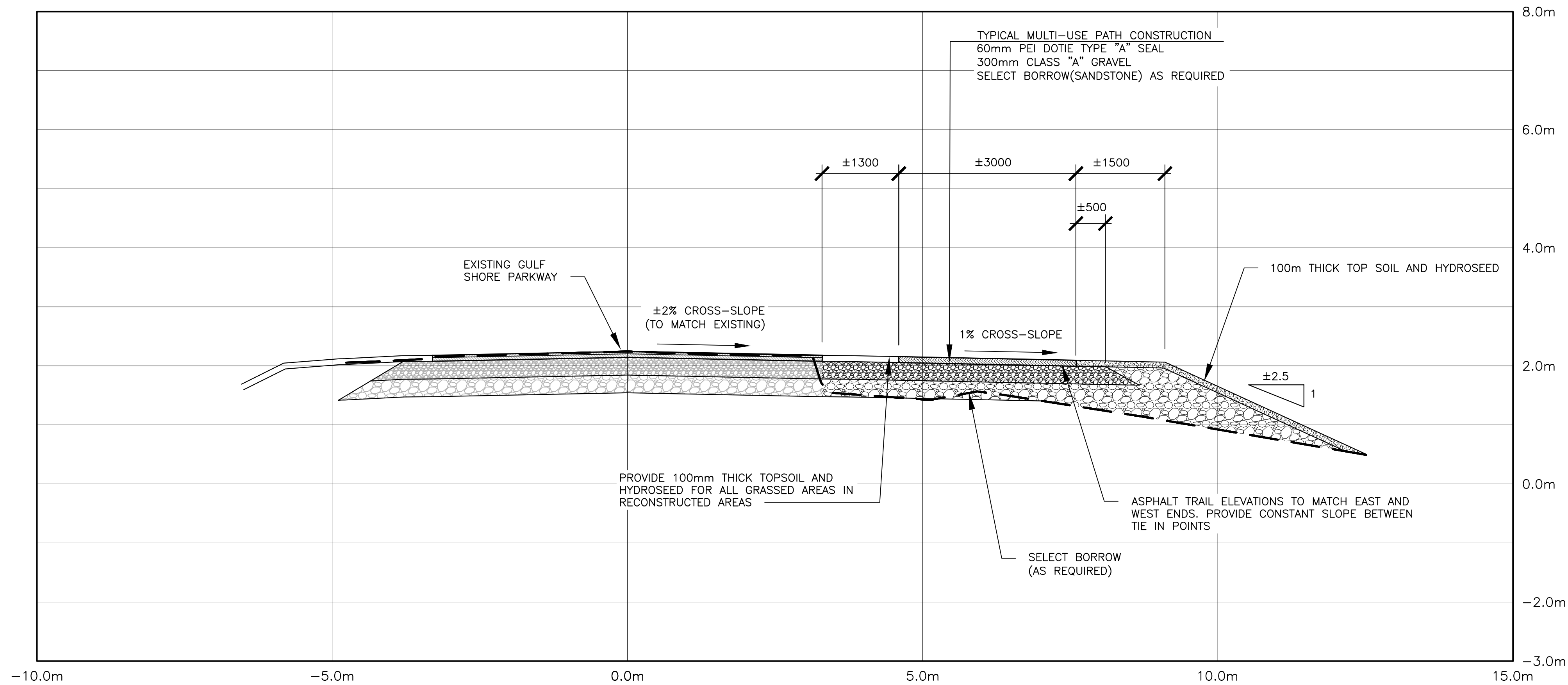


TRAIL RECONSTRUCTION PLAN

SCALE : 1:250

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2
C1 C1

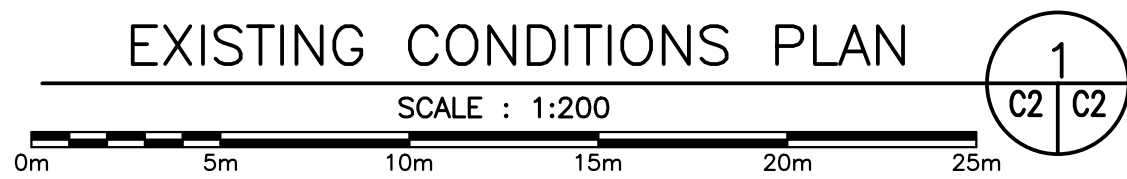
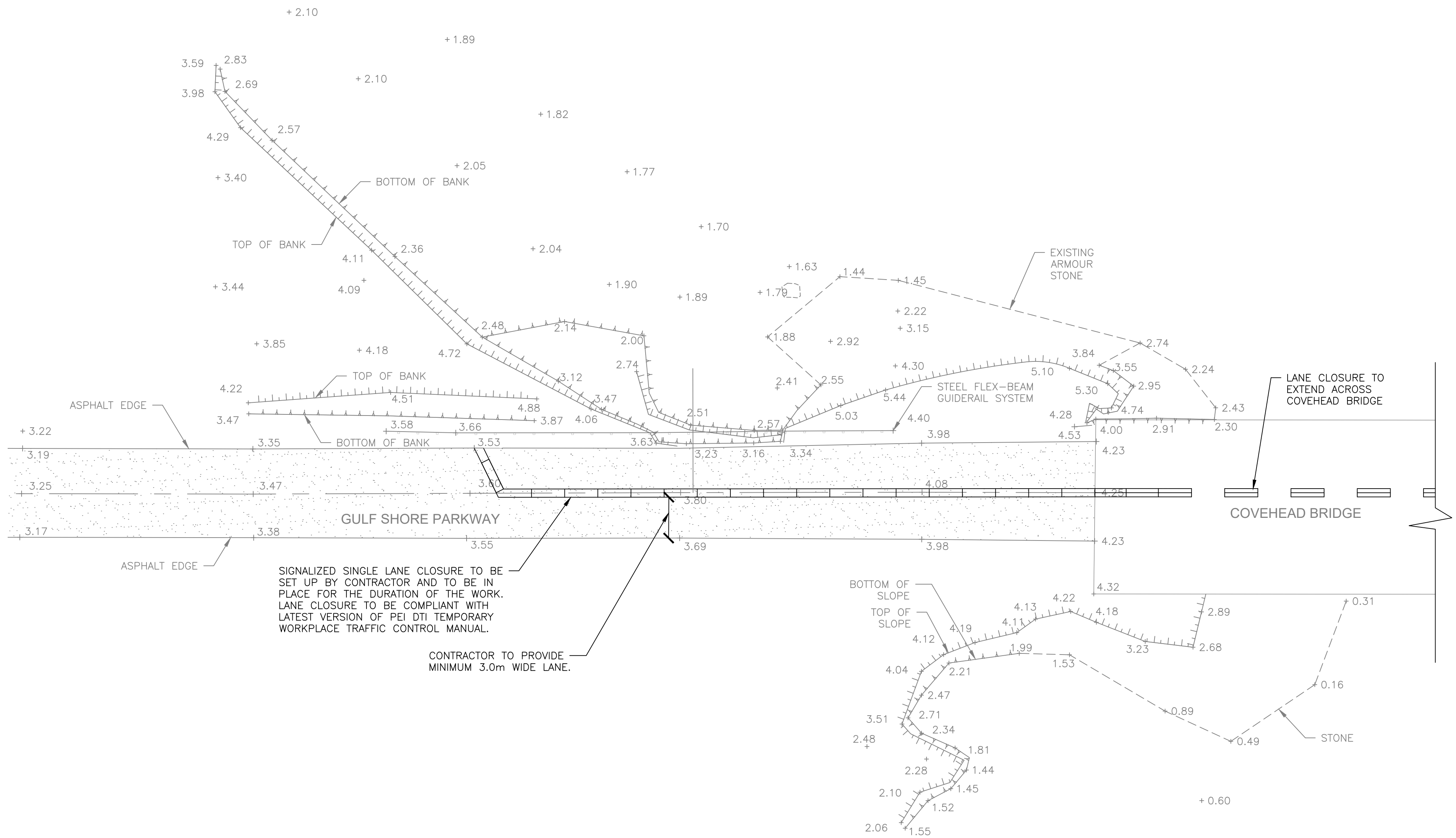


CROSS-SECTION A

SCALE : 1:50

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A
C1 C1



GENERAL NOTES:

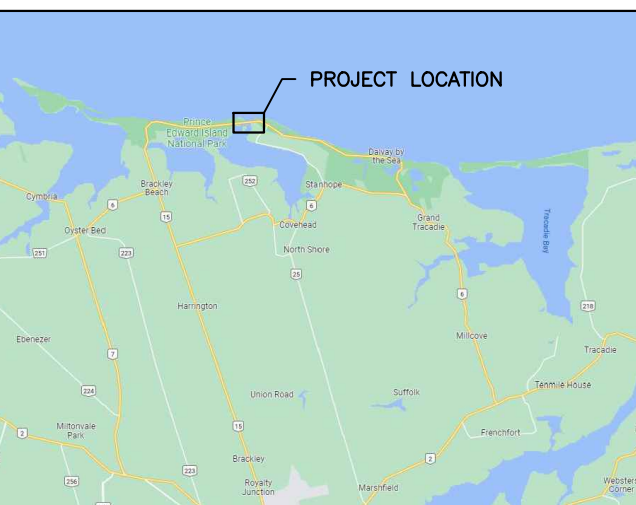
1. THE CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE AND BE FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR IS REQUIRED TO INFORM THE DEPARTMENTAL REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS, PRIOR TO COMMENCING WORK.
2. CONTRACTOR IS ADVISED THAT OTHER CONTRACTORS MAY BE WORKING IN THE AREA DURING CONSTRUCTION. PCA SHALL NOT BE RESPONSIBLE FOR ANY DELAYS CAUSED BY OTHERS.
3. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS AND ELEVATIONS ARE IN METERS, DO NOT SCALE FROM DRAWINGS, CALCULATED DIMENSIONS ARE TO BE USED.
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5. CONTRACTOR TO ENSURE PROPER EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE PRIOR TO COMMENCEMENT OF REMOVALS, AND COMPLY WITH THE ENVIRONMENTAL PROTECTION ACT.
6. SHOULD ANY CONDITIONS BE ENCOUNTERED WHICH DIFFER FROM THIS PLAN, PLEASE CONTACT DEPARTMENTAL REPRESENTATIVE IMMEDIATELY.
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8. ALL SIGNS AT THE SITE SHALL BE REMOVED AND REPLACED AS REQUIRED.
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10. CONTRACTOR MUST PROTECT ALL EXISTING LANDSCAPING FEATURES SUCH AS FENCES, RETAINING WALLS, TREES, SHRUBS, ETC. MARK ALL TREES WHICH ARE REQUIRED TO BE REMOVED, AND NOTIFY DEPARTMENTAL REPRESENTATIVE FOR REVIEW PRIOR TO ANY CUTTING.

LEGEND

TIMBER FENCE LINE	
ROADWAY GUIDERAIL	
TOP OF SLOPE	
BOTTOM OF SLOPE	
C/L OF DITCH	
CULVERT	
MAJOR CONTOUR INTERVAL	20.00
MINOR CONTOUR INTERVAL	19.75
SITE BENCHMARK	
SPOT ELEVATION	+100.00
UTILITY POLE	
GUY WIRE	
SHRUB	
TRAFFIC SIGN	
LIGHT POLE/TRAFFIC SIGNAL	
BOREHOLE	

SURVEY NOTES:

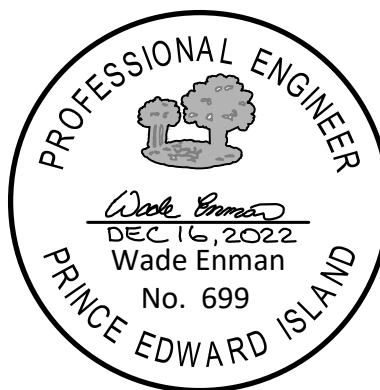
1. THIS SURVEY WAS EXECUTED ON SEPTEMBER 28, 2022.
2. COORDINATES DEPICTED ON THIS PLAN ARE PRINCE EDWARD ISLAND GRID NORTH AND ARE DERIVED FROM REAL TIME KINEMATIC (RTK) AND STATIC GNSS OBSERVATIONS REFERENCED TO SMARTNET NORTH AMERICA.
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KEY PLAN: NOT TO SCALE



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0	ISSUED FOR TENDER	DEC 19 2022
revisions		date

project project

GULF SHORE PARKWAY
RENOVATIONS AND
EMBANKMENT PROTECTION

drawing dessin

COVEHEAD BRIDGE
WEST APPROACH
EXISTING CONDITIONS

designed W. ENMAN conçu

date 2022/12

drawn G. KAUR dessiné

date 2022/12

approved approuvé

date

Tender Soumission

Project Manager Administrateur de projets

project number no. du projet

2407

drawing no. no. du dessin

C2

WSP

project	projet
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drawing	dessin
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designed W. ENMAN conçu

date 2022/12

drawn G. KAUR dessiné

date 2022/12

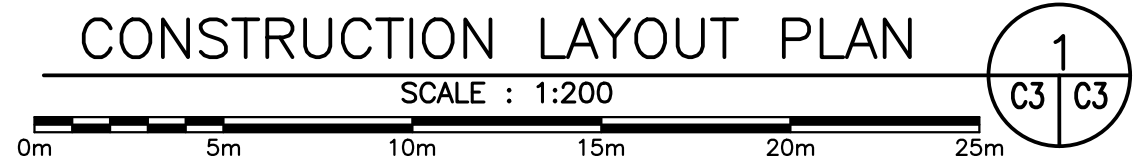
Tender	Soumission
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Project Manager Administrateur de projets

project number	no. du projet
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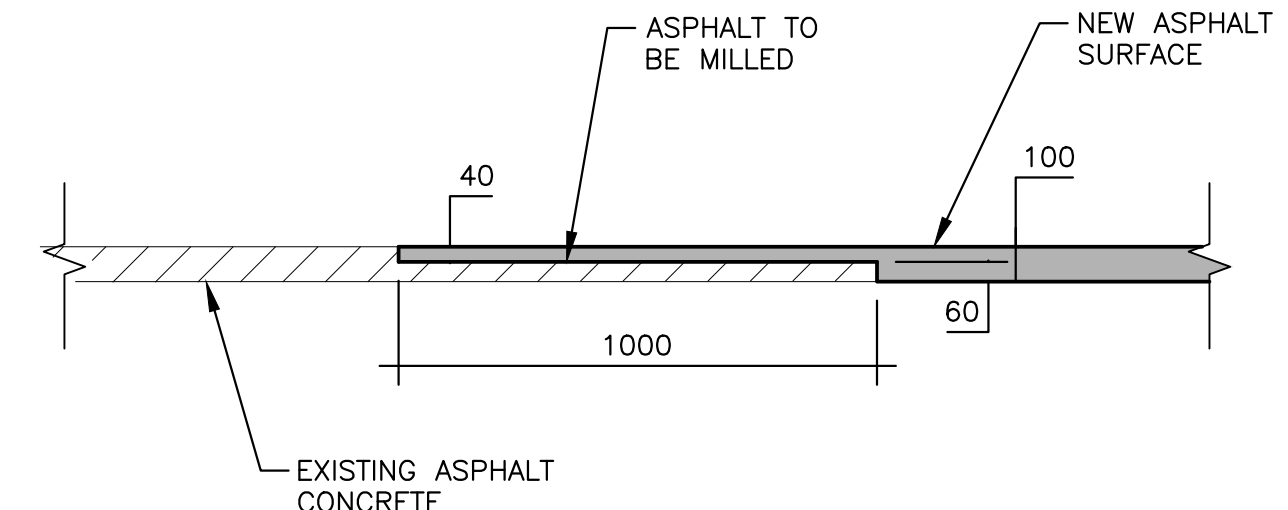
2407

drawing no.	no. du dessin
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- TIMBER FENCE LINE
- ROADWAY GUIDERAIL
- TOP OF SLOPE
- BOTTOM OF SLOPE
- C/L OF DITCH
- CULVERT
- MAJOR CONTOUR INTERVAL
- MINOR CONTOUR INTERVAL
- BURIED PORTION OF ARMOURSTONE
- TOE OF ARMOURSTONE
- EDGE OF FILTER CREST
- SITE BENCHMARK
- SPOT ELEVATION
- UTILITY POLE
- GUY WIRE
- SHRUB
- TRAFFIC SIGN
- LIGHT POLE/TRAFFIC SIGNAL
- BOREHOLE

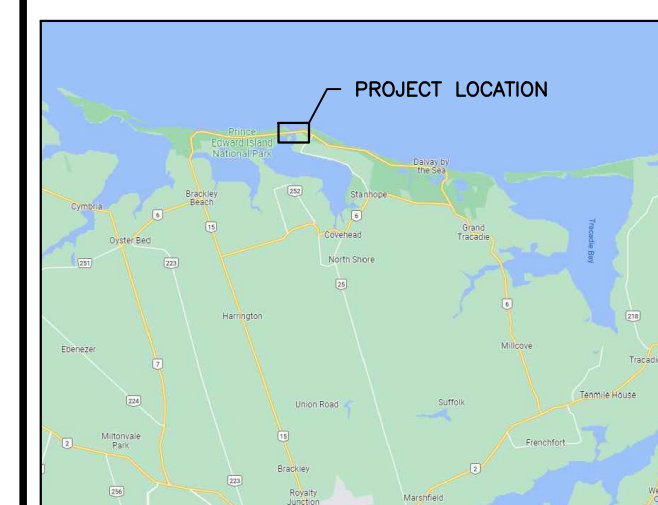
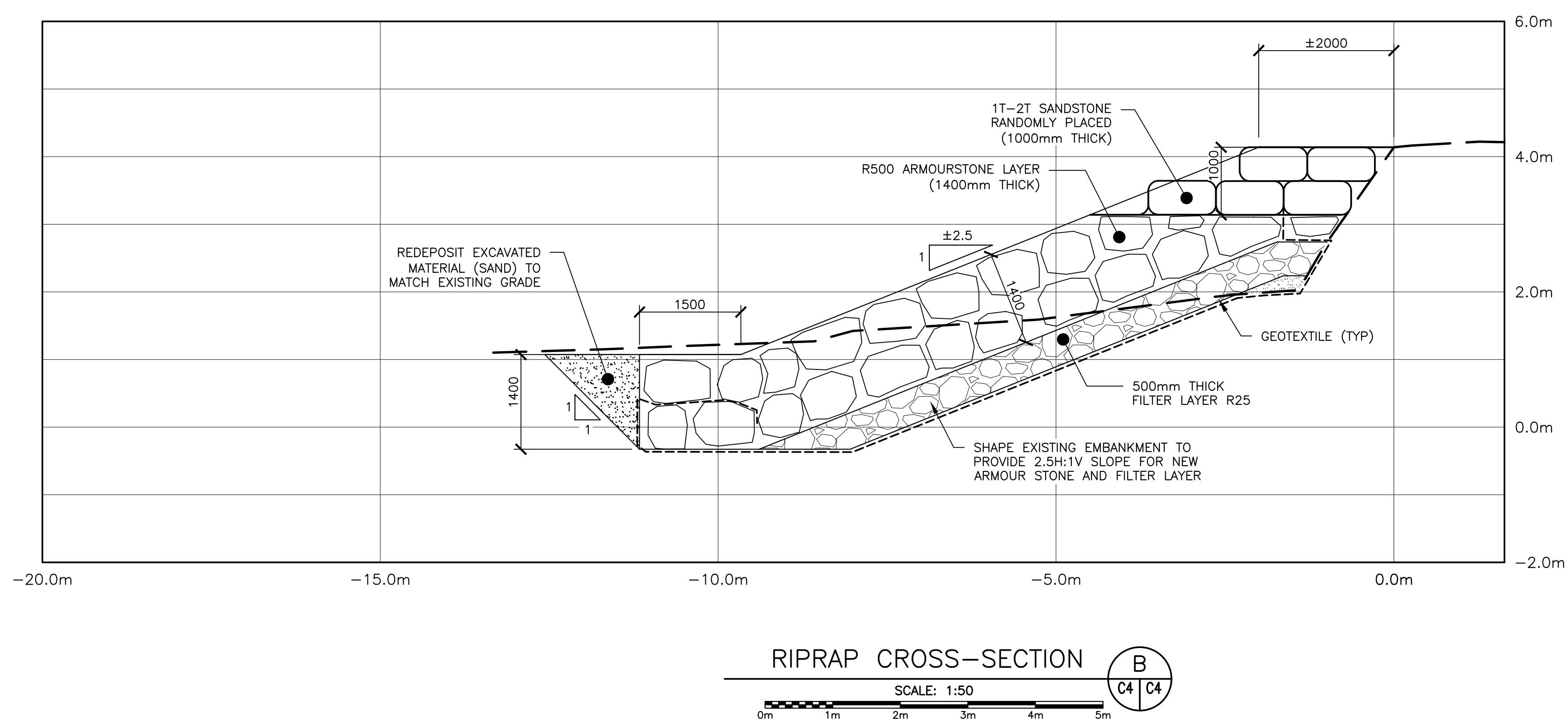


NOTES: 1) USE ASPHALT BUTT JOINT FOR ALL TRANSVERSE JOINTS WHERE NEW ASPHALT PAVEMENT MEETS EXISTING ASPHALT PAVEMENT.

2) INSTALL TEMPORARY MILLING LAY (50:1) C/W TAR PAPER FOLLOWING MILLING. REMOVE PRIOR TO ASPHALT PLACEMENT.

NOT TO SCALE

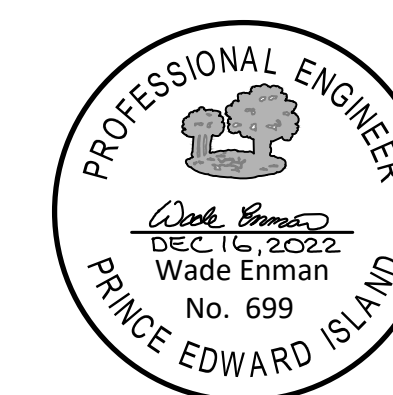
1. REPAINT ALL TRAFFIC LINES TO MATCH EXISTING PAINT LINES. SEE SPECIFICATIONS.
2. RECONSTRUCTED ASPHALT SURFACES (ROADWAY AND TRAIL TO MATCH AND BLEND-IN TO EXISTING.



KEY PLAN: NOT TO SCALE

WS |

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revisions		date
project		project

GULF SHORE PARKWAY
RENOVATIONS AND
EMBANKMENT PROTECTION

drawing	dessin
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COVEHEAD BRIDGE
WEST APPROACH
RIP RAP SECTIONS

designed	W. ENMAN	conçu
date	2022/12	
drawn	G. KAUR	dessiné
date	2022/12	
approved		approuvé
date		
Tender	Soumission	
Project Manager	Administrateur de projets	
project number	2407	no. du projet
drawing no.		no. du dessin

WSP)

PROFESSIONAL ENGINEER
Wade Enman
 DEC 16, 2022
 Wade Enman
 No. 699
 PRINCE EDWARD ISLAND

project	projet
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drawing	dessin
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designed W. ENMAN conçu

date 2022/12

drawn G. KAUR dessiné

date 2022/12

approved	approuvé
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date _____

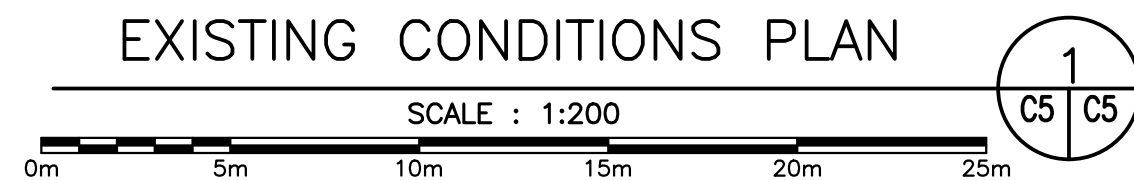
Tender	Soumission
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Project Manager	Administrateur de projets
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project number no. du projet

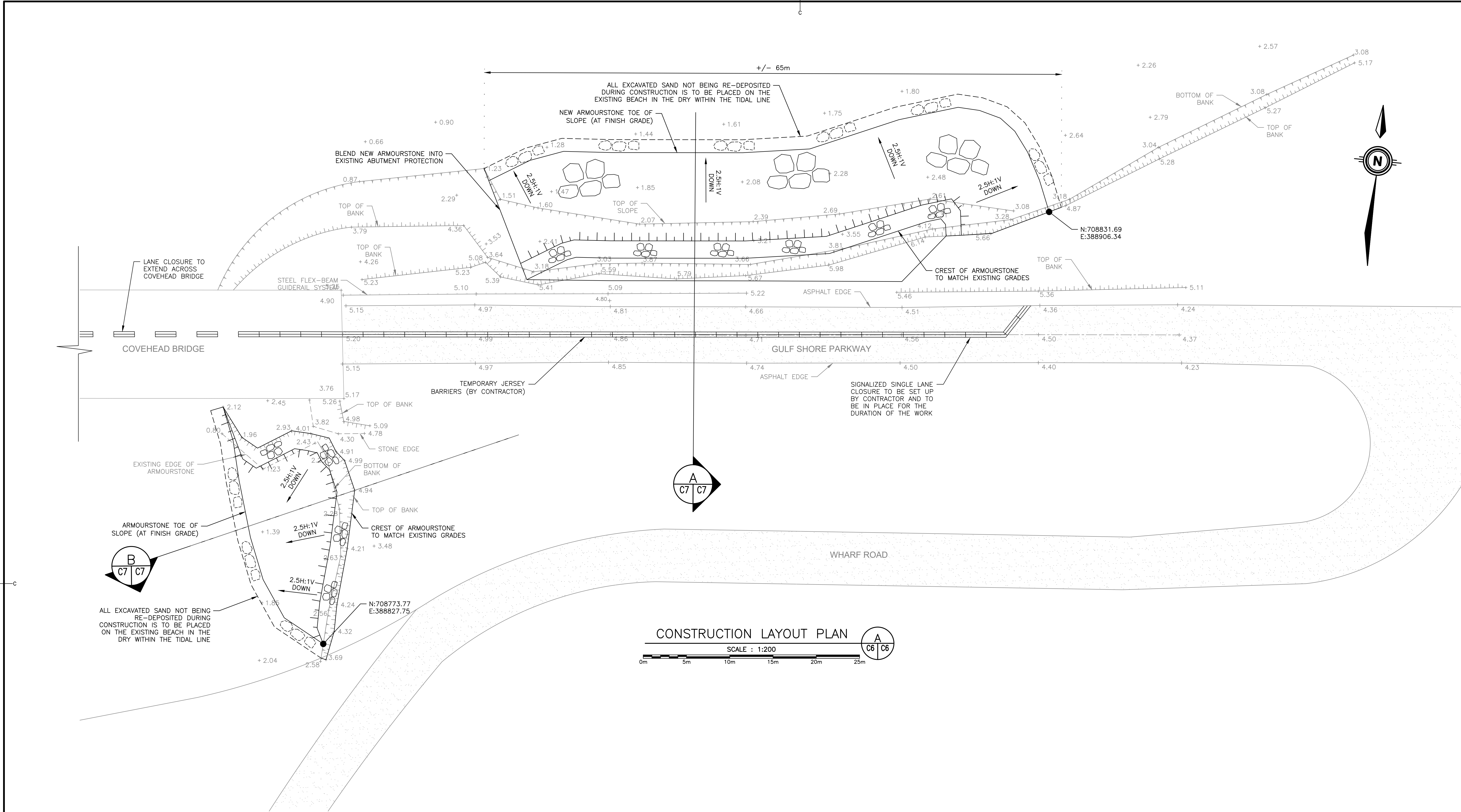
2407

drawing no. no. du dessin



LEGEND

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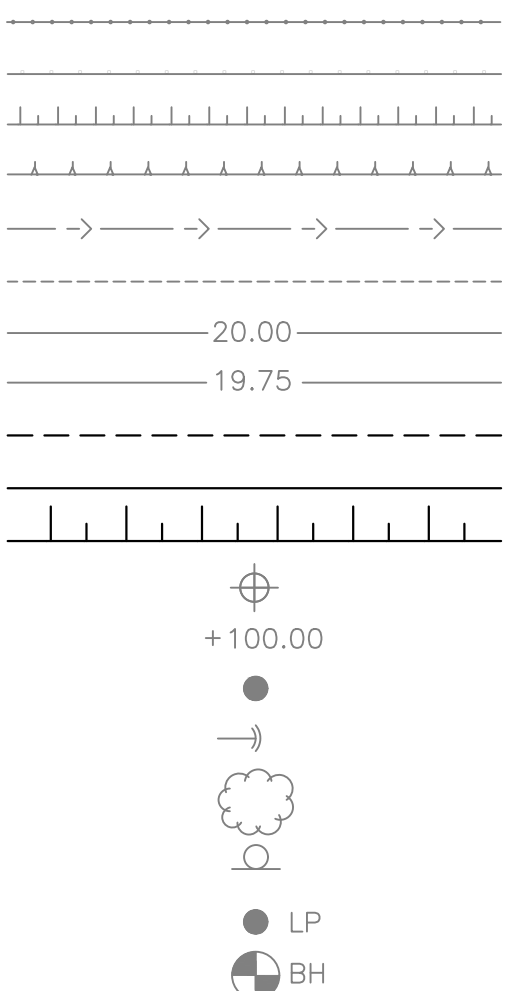
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3. CONTRACTOR SHALL NOT BLOCK WHARF ACCESS ROAD OR USE AREAS OF COVEHEAD WHARF TO COMPLETE THE WORK.
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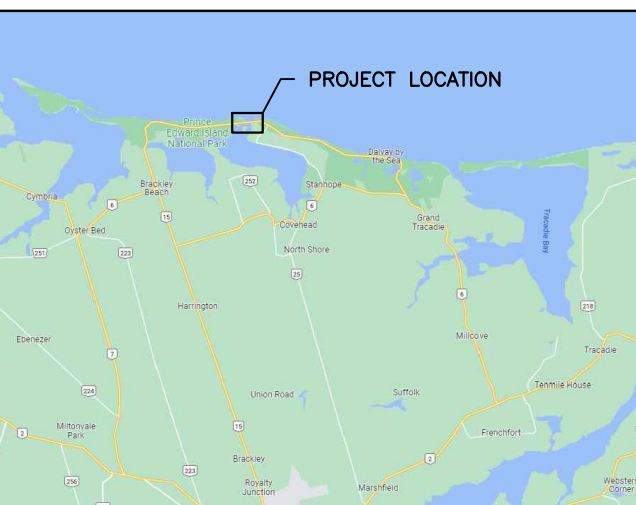
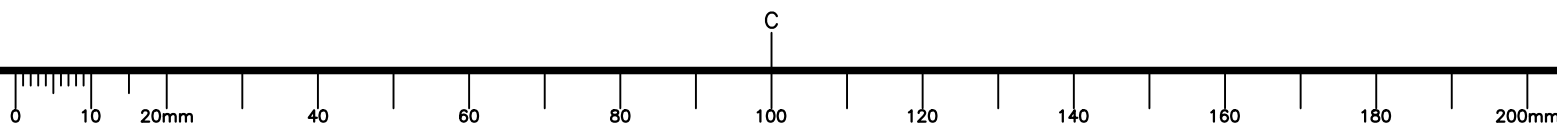
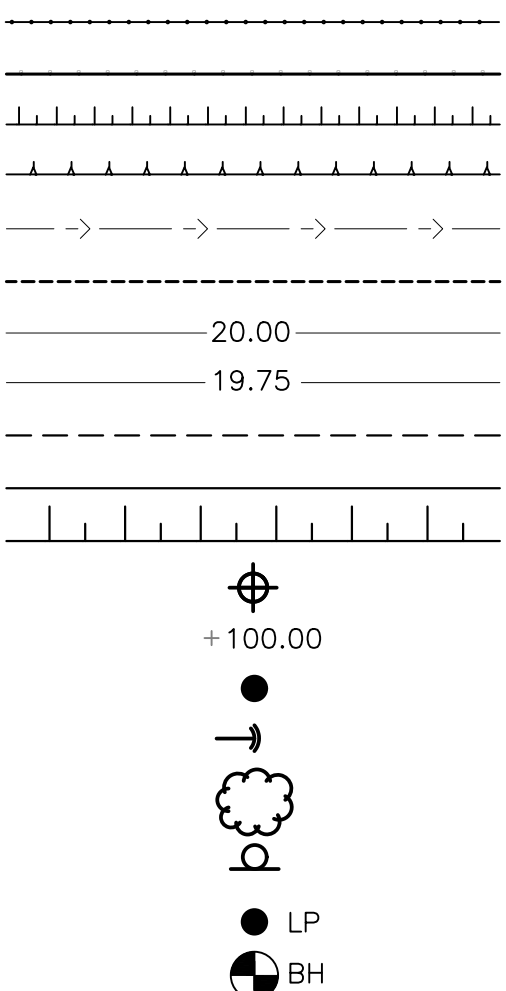
LEGEND

- TIMBER FENCE LINE
ROADWAY GUIDERAIL
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C/L OF DITCH
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SPOT ELEVATION
UTILITY POLE
GUY WIRE
SHRUB
TRAFFIC SIGN
LIGHT POLE/TRAFFIC SIGNAL
BOREHOLE

EXISTING CONDITION



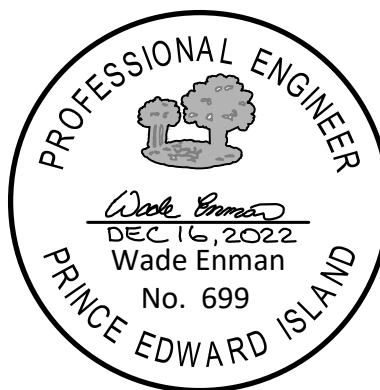
NEW CONSTRUCTION



KEY PLAN: NOT TO SCALE

wsp

WSP Canada Inc.
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revisions		date

GULF SHORE PARKWAY
RENOVATION AND
EMBANKMENT PROTECTION

drawing dessin

COVEHEAD EAST
BRIDGE APPROACH
RIP RAP PLANS

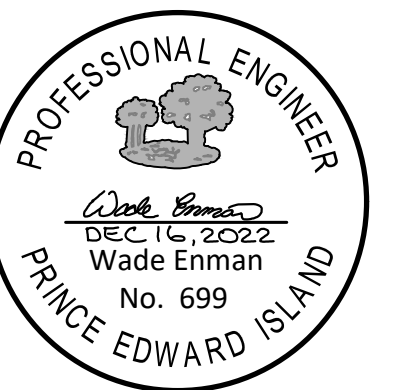
designed W. ENMAN	conçu
date 2022/12	
drawn G. KAUR	dessiné
date 2022/12	
approved	approuvé
date	
Tender	Soumission
Project Manager	Administrateur de projets
project number	no. du projet
2407	
drawing no.	no. du dessin
C6	



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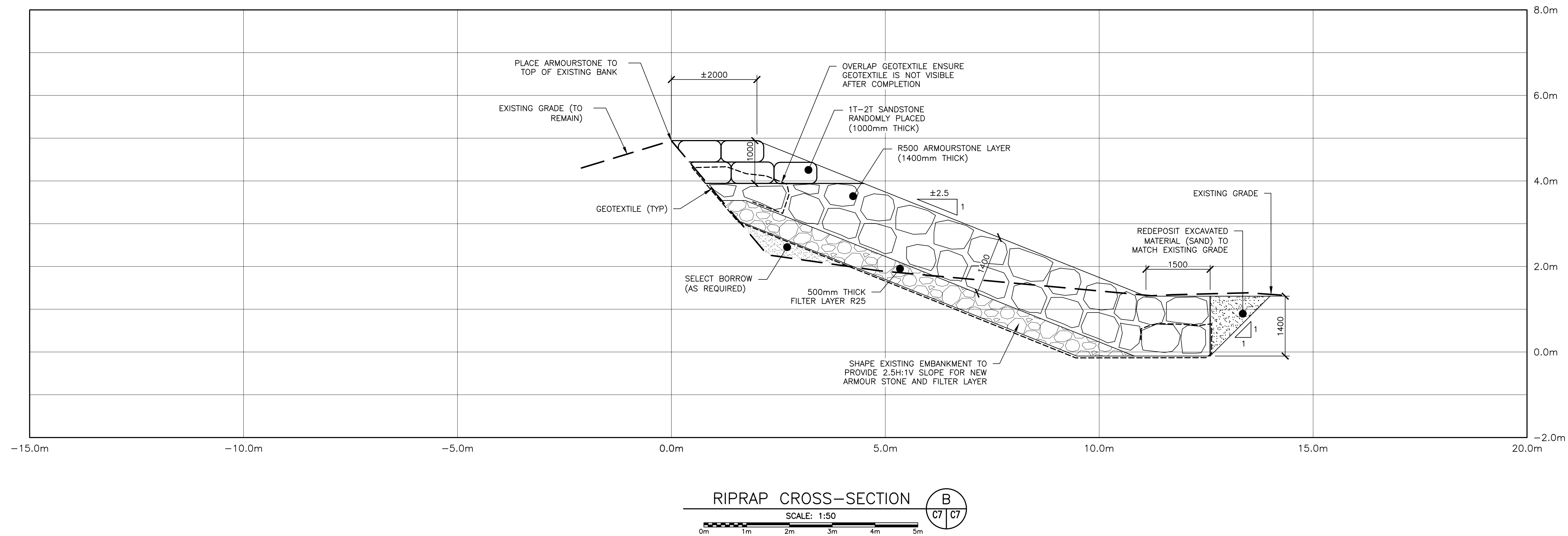
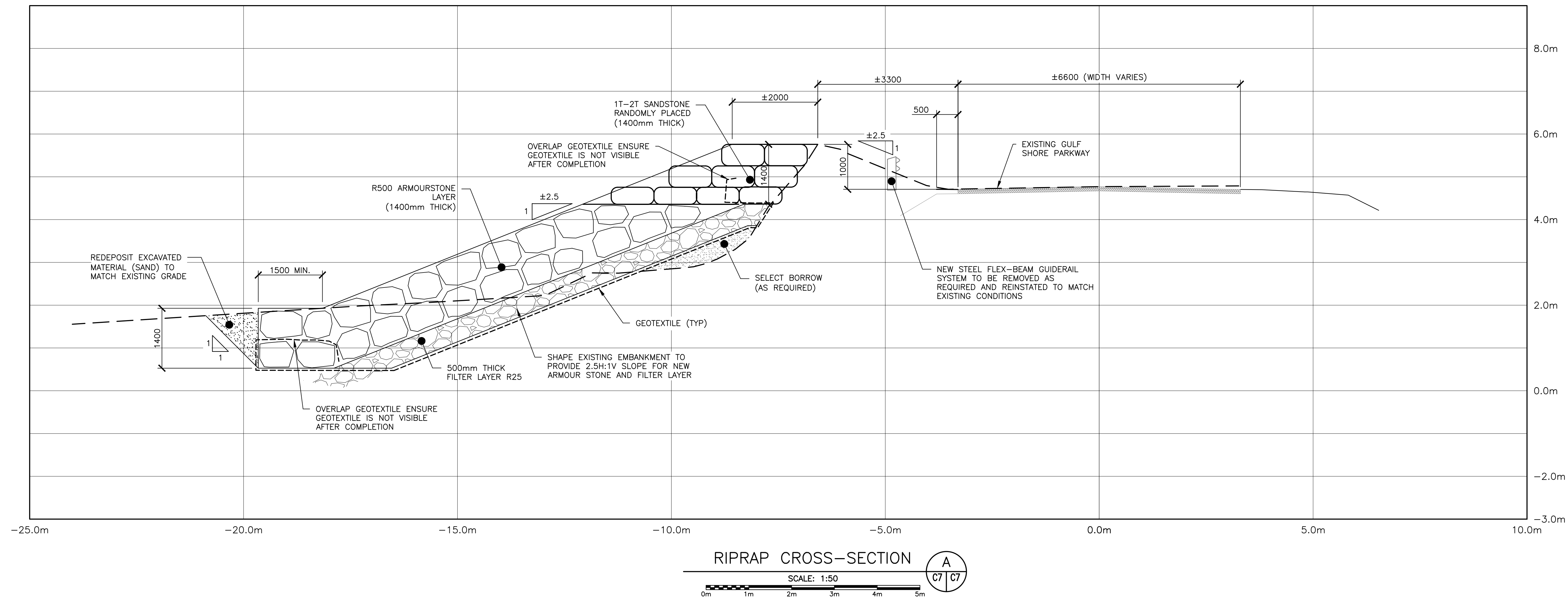


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GULF SHORE PARKWAY
RENOVATIONS AND
EMBANKMENT PROTECTION

drawing dessin
**COVEHEAD EAST
BRIDGE APPROACH
RIP RAP SECTIONS**

designed W. ENMAN	conçu
date 2022/12	
drawn G. KAUR	dessiné
date 2022/12	
approved	approuvé
date	
Tender	Soumission
Project Manager	Administrateur de projets
project number	no. du projet
2407	
drawing no.	no. du dessin
C7	



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project	projet
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drawing	dessin
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designed W. ENMAN conçu

date 2022/12

drawn G. KAUR dessiné

date 2022/12

approved	approuvé
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date _____

ender	Soumission
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Project Manager	Administrateur de projets
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project number no. du projet

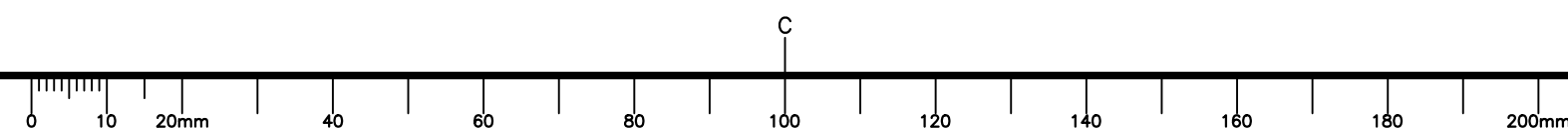
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SCALE : 1:200

PWGSC B1 (2004)



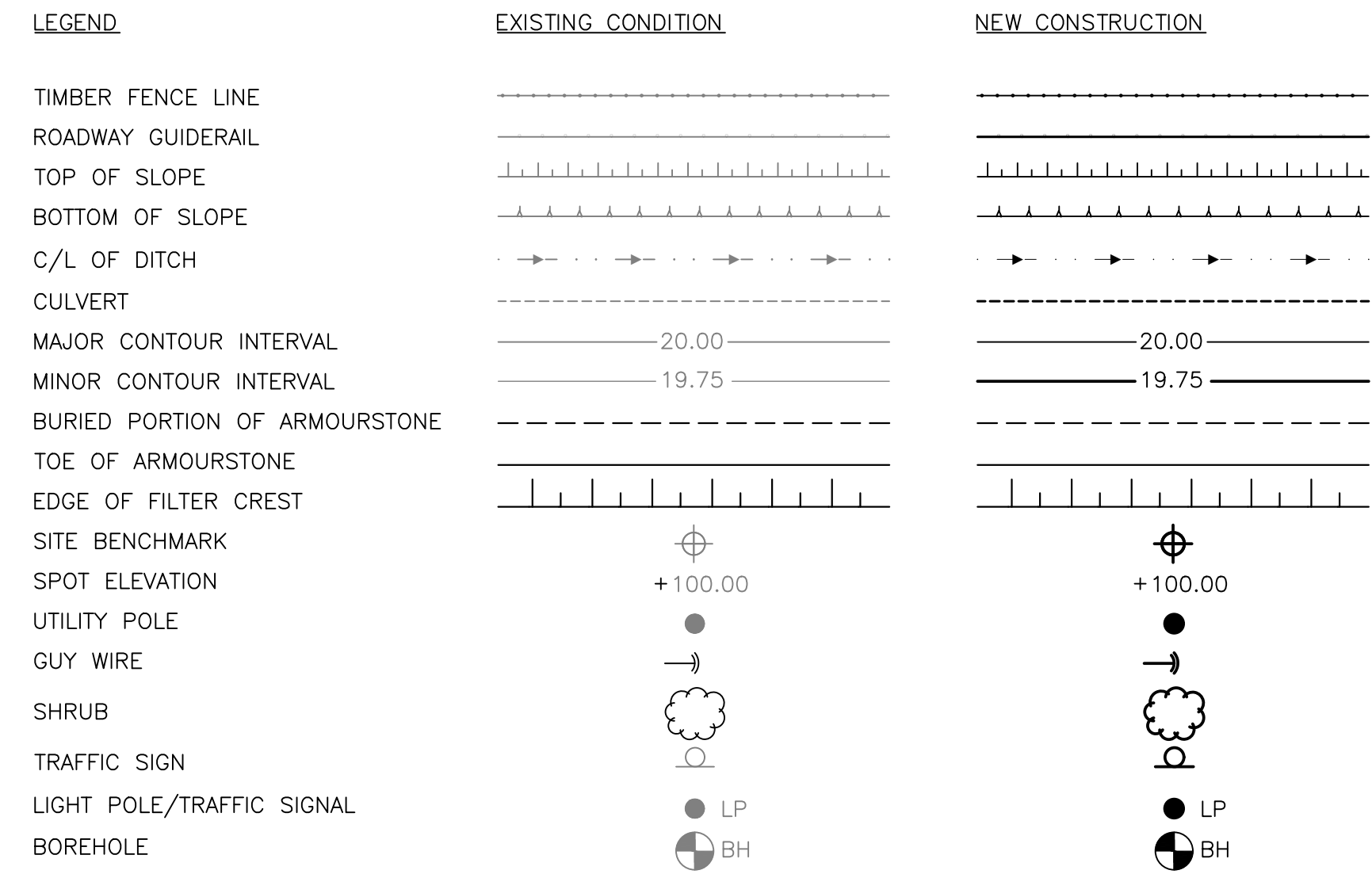
WSP |

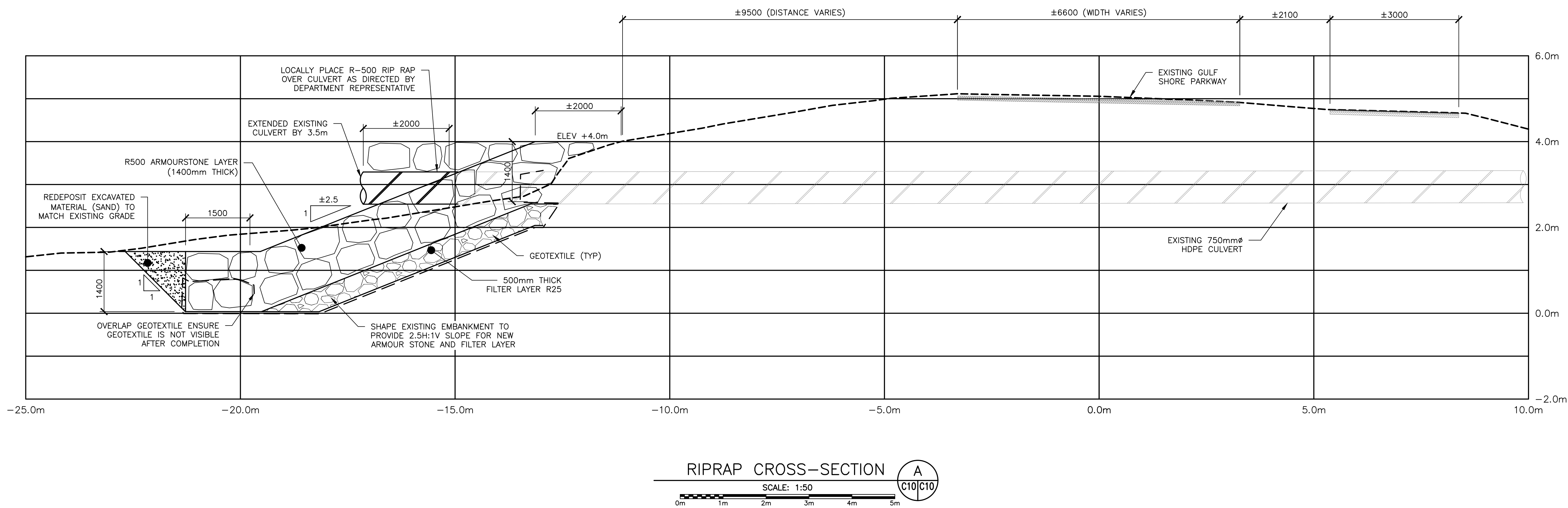
Professional Engineer
 Wade Enman
 No. 699
 Prince Edward Island
 DEC 16, 2022

GULF SHORE PARKWAY RENOVATION AND EMBANKMENT PROTECTION

STANHOPE
RIP RAP PLAN

designed	W. ENMAN	conçu
date	2022/12	
drawn	G. KAUR	dessiné
date	2022/12	
approved		approuvé
date		
sender		Soumission
Project Manager	Administrateur de projets	
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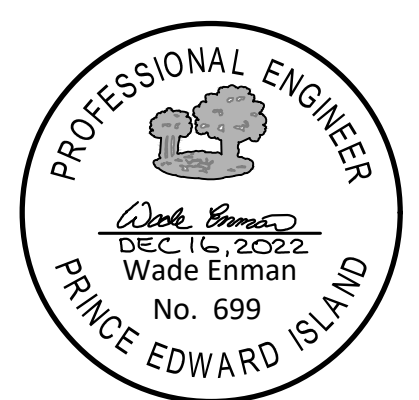




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project

GULF SHORE PARKWAY
RENOVATIONS AND
EMBANKMENT PROTECTION

drawing

STANHOPE
RIP RAP SECTION

designed W. ENMAN

date 2022/12

drawn G. KAUR

date 2022/12

approved

date

Tender

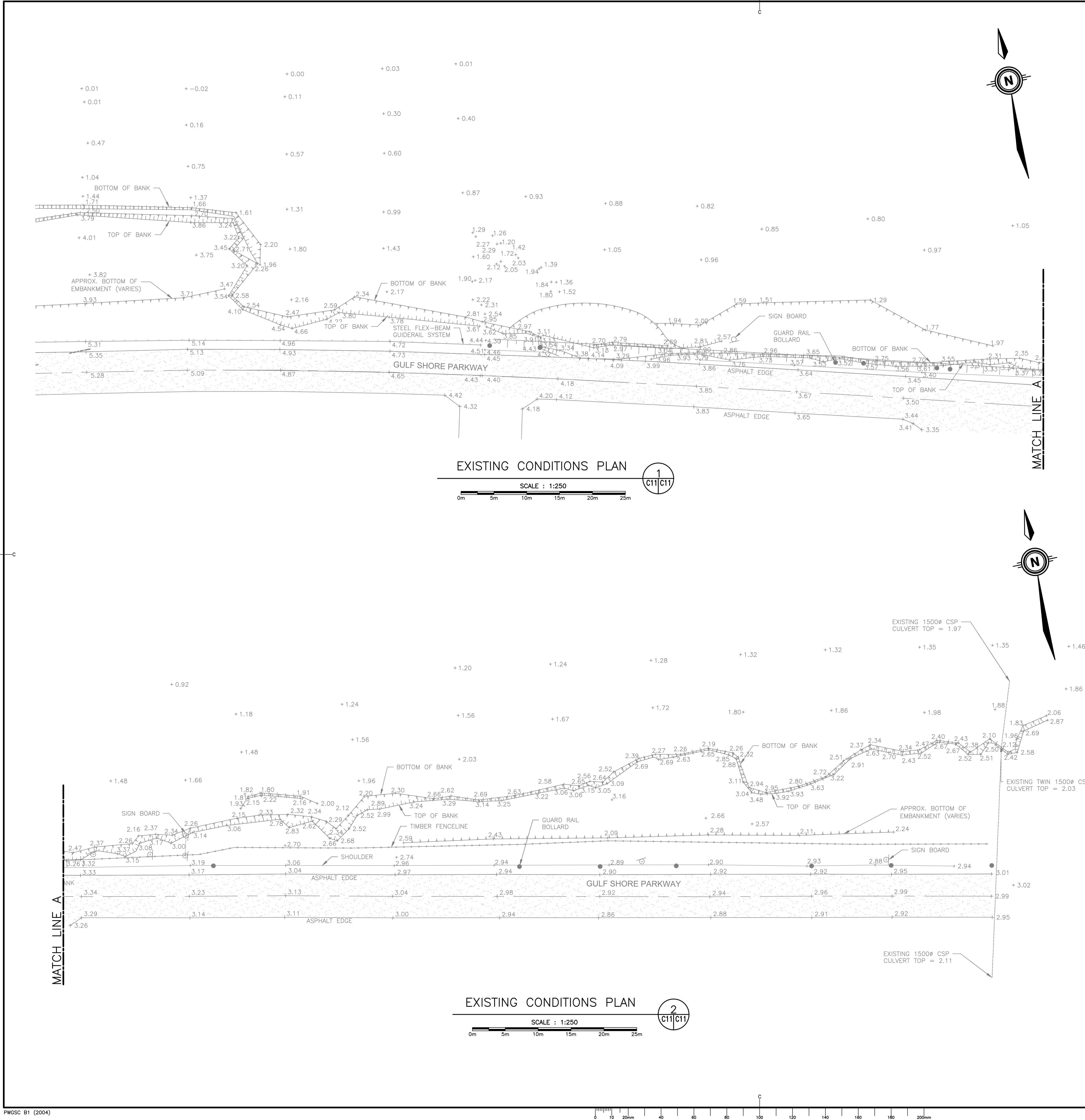
Project Manager

project number

2407

drawing no.

C10



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 3. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS AND ELEVATIONS ARE IN METERS, DO NOT SCALE FROM DRAWINGS, CALCULATED DIMENSIONS ARE TO BE USED.
 4. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE PRINCE EDWARD ISLAND OCCUPATIONAL HEALTH AND SAFETY ACT.
 5. CONTRACTOR TO ENSURE PROPER EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE PRIOR TO COMMENCEMENT OF REMOVALS, AND COMPLY WITH THE ENVIRONMENTAL PROTECTION ACT.
 6. SHOULD ANY CONDITIONS BE ENCOUNTERED WHICH DIFFER FROM THIS PLAN, PLEASE CONTACT DEPARTMENTAL REPRESENTATIVE IMMEDIATELY.
 7. ALL DIMENSIONS OF EXISTING FEATURES TO BE CONFIRMED BY CONTRACTOR.
 8. ALL SIGNS AT THE SITE SHALL BE REMOVED AND REPLACED AS REQUIRED.
 9. ALL AREAS DISTURBED DURING CONSTRUCTION (I.E. ASPHALT, CONCRETE, GRASS, ETC.) ARE TO BE REINSTATED TO THE ORIGINAL CONDITION TO THE APPROVAL OF THE ENGINEER AND THE DEPARTMENTAL REPRESENTATIVE.
 10. CONTRACTOR MUST PROTECT ALL EXISTING LANDSCAPING FEATURES SUCH AS FENCES, RETAINING WALLS, TREES, SHRUBS, ETC. MARK ALL TREES WHICH ARE REQUIRED TO BE REMOVED, AND NOTIFY DEPARTMENTAL REPRESENTATIVE FOR REVIEW PRIOR TO ANY CUTTING.

LEGEND

TIMBER FENCE LINE	---
ROADWAY GUIDERAIL	=====
TOP OF SLOPE	-----
BOTTOM OF SLOPE	-----
C/L OF DITCH	-----
CULVERT	-----
MAJOR CONTOUR INTERVAL	20.00
MINOR CONTOUR INTERVAL	19.75
SITE BENCHMARK	+
SPOT ELEVATION	+100.00
UTILITY POLE	●
GUY WIRE	---
SHRUB	☁
TRAFFIC SIGN	⊕
LIGHT POLE/TRAFFIC SIGNAL	● LP
BOREHOLE	● BH

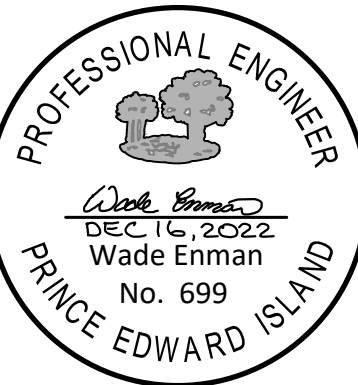
- SURVEY NOTES:
1. THIS SURVEY WAS EXECUTED ON SEPTEMBER 28TH, 2022
 2. COORDINATES DEPICTED ON THIS PLAN ARE PRINCE EDWARD ISLAND GRID NORTH AND ARE DERIVED FROM REAL TIME KINEMATIC (RTK) AND STATIC GNSS OBSERVATIONS REFERENCED TO SMARTNET NORTH AMERICA.
 3. MEASUREMENTS SHOWN ON THIS PLAN ARE GROUND MEASUREMENTS IN METRES AND DECIMALS THEREOF.
 4. DISTANCES WHERE SHOWN ARE ROUNDED TO THE NEAREST 0.01 METRES.
 5. AZIMUTHS WHERE SHOWN ARE ROUNDED TO THE NEAREST 10 SECONDS.
 6. ELEVATIONS WHERE SHOWN ARE ROUNDED TO THE NEAREST 0.01 METRES
 7. ELEVATIONS WHERE SHOWN ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD2013).
 8. AN INVESTIGATION OF UNDERGROUND INFRASTRUCTURE (ELECTRICAL AND COMMUNICATIONS) HAS NOT BEEN CARRIED OUT AS PART OF THIS SURVEY. UNDERGROUND INFRASTRUCTURE MAY EXIST WITHIN THE LIMITS OF THE SURVEY AREA BOUNDED. THE CONTRACTOR IS TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.



KEY PLAN: NOT TO SCALE

wsp

WSP Canada Inc.
195 MacEwen Road
Summerside, Prince Edward Island, Canada C1N 5Y4
T 902-436-2669 F 902-436-8601 www.wsp.ca



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GULF SHORE PARKWAY
RENOVATIONS AND
EMBANKMENT PROTECTION

drawing dessin

DALVAY BEACH AREA
EXISTING CONDITIONS

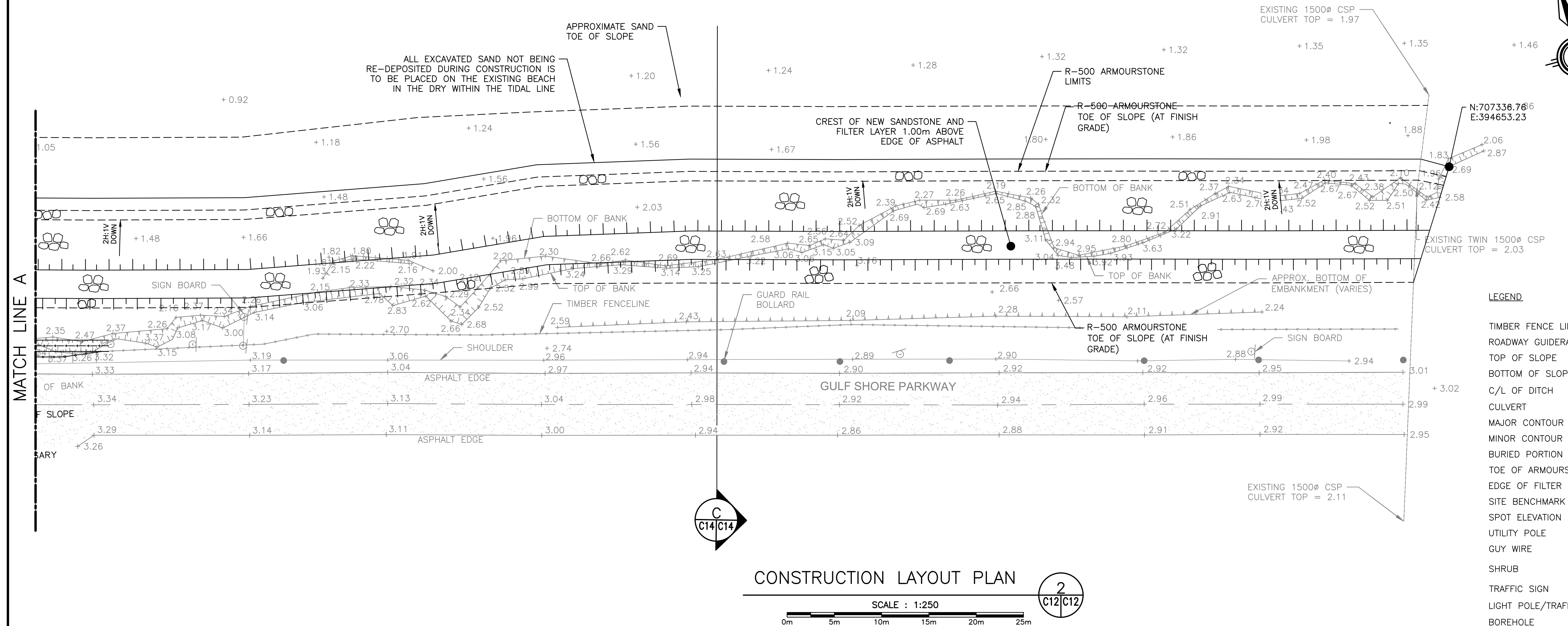
designed W. ENMAN	conçu
date 2022/11	
drawn G. KAUR	dessiné
date 2022/11	
approved	approuvé
date	
Tender	Soumission
Project Manager	Administrateur de projets
project number	no. du projet
2407	
drawing no.	no. du dessin
C11	

wsp

GULF SHORE PARKWAY RENOVATION AND EMBANKMENT PROTECTION

Project Manager	Administrateur de projets
project number	no. du projet
2407	

2407

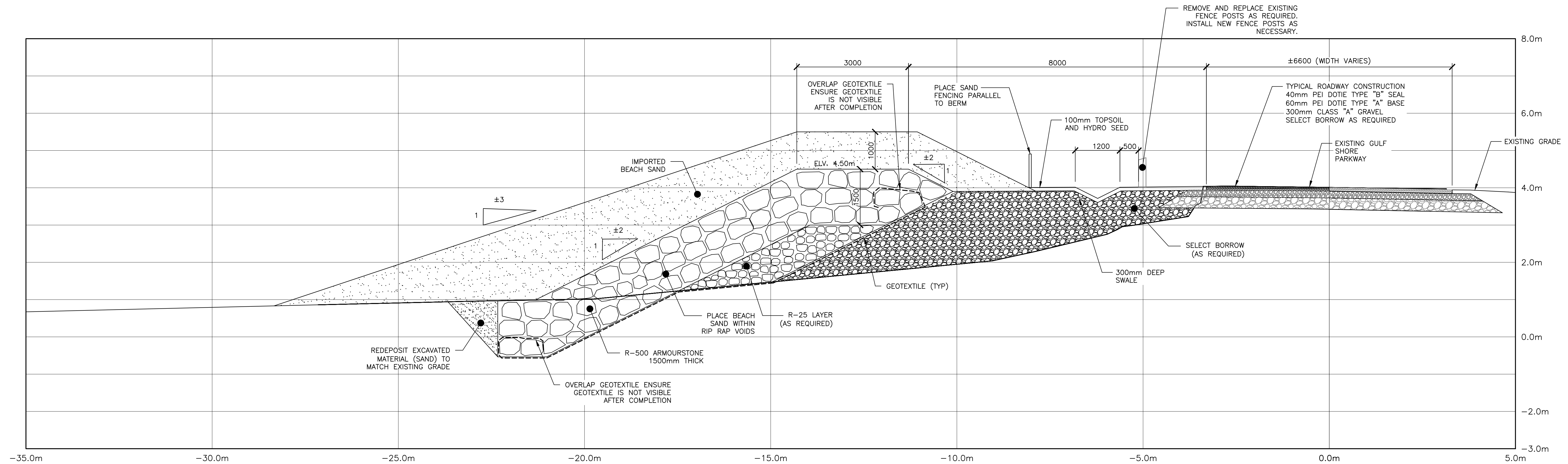
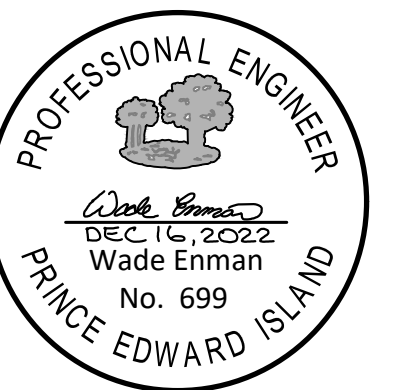




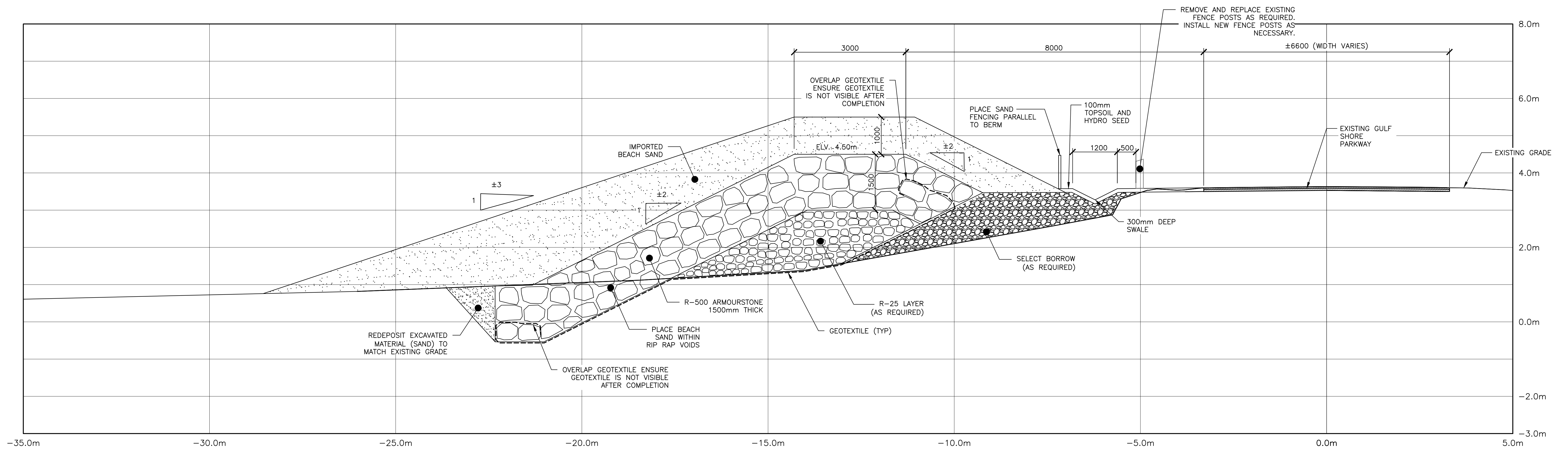
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RIPRAP CROSS-SECTION A
SCALE: 1:50
0m 1m 2m 3m 4m 5m



RIPRAP CROSS-SECTION B
SCALE: 1:50
0m 1m 2m 3m 4m 5m

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drawing dessin

DALVAY BEACH AREA RIP RAP SECTIONS

designed W. ENMAN conçu

date 2022/11

drawn G. KAUR dessiné

date 2022/11

approved approuvé

date

Tender Soumission

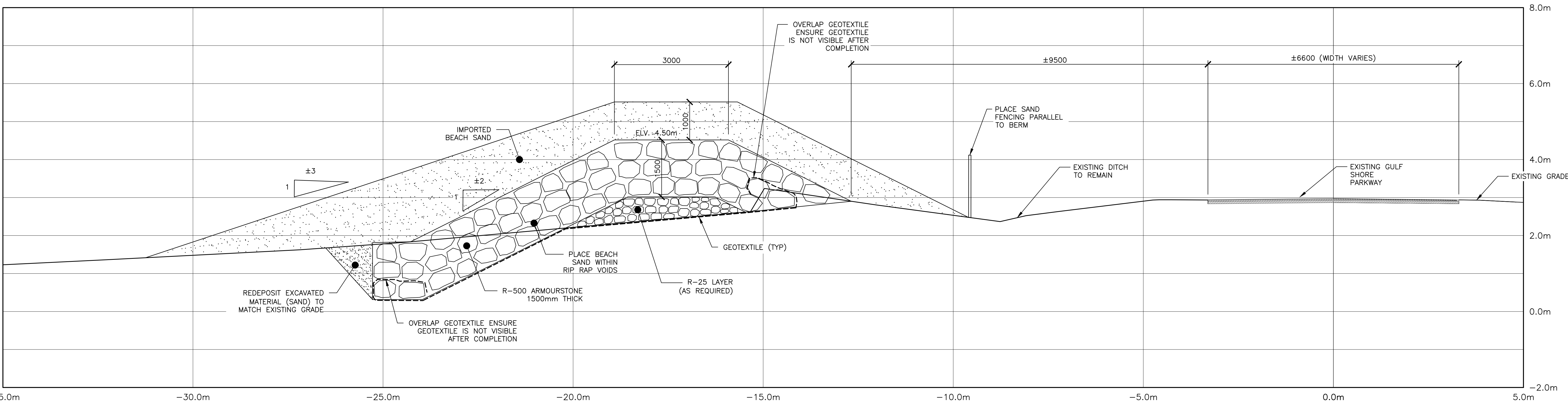
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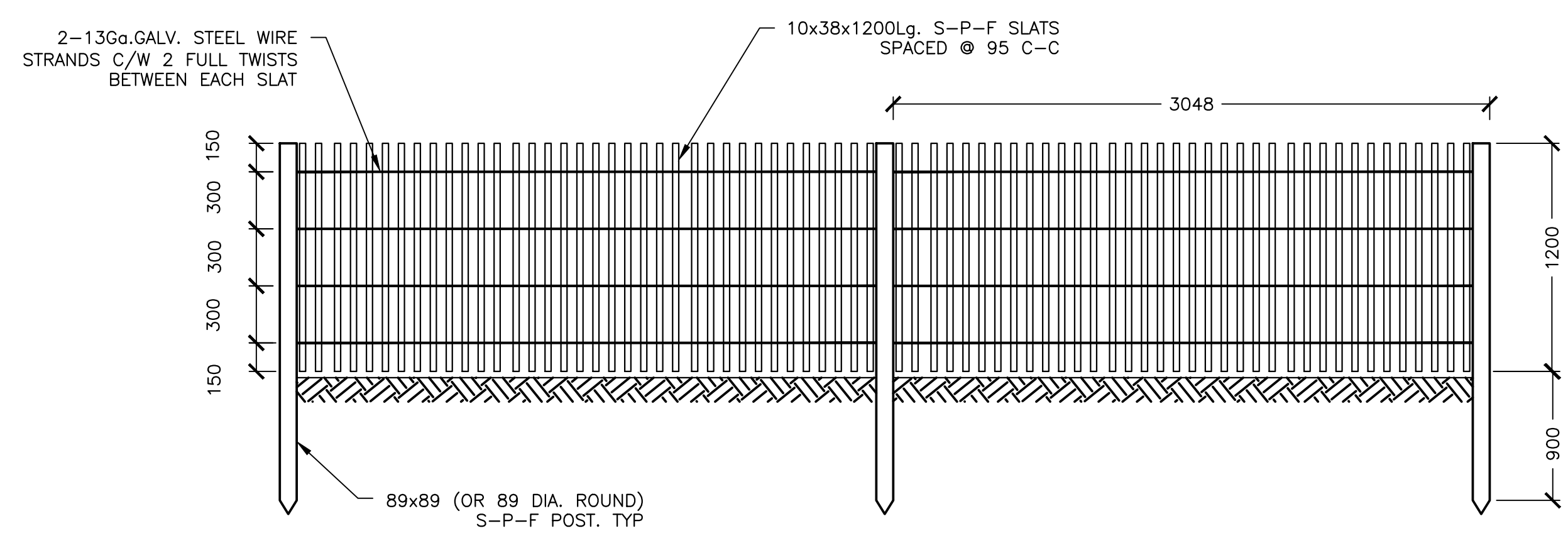
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drawing no. no. du dessin

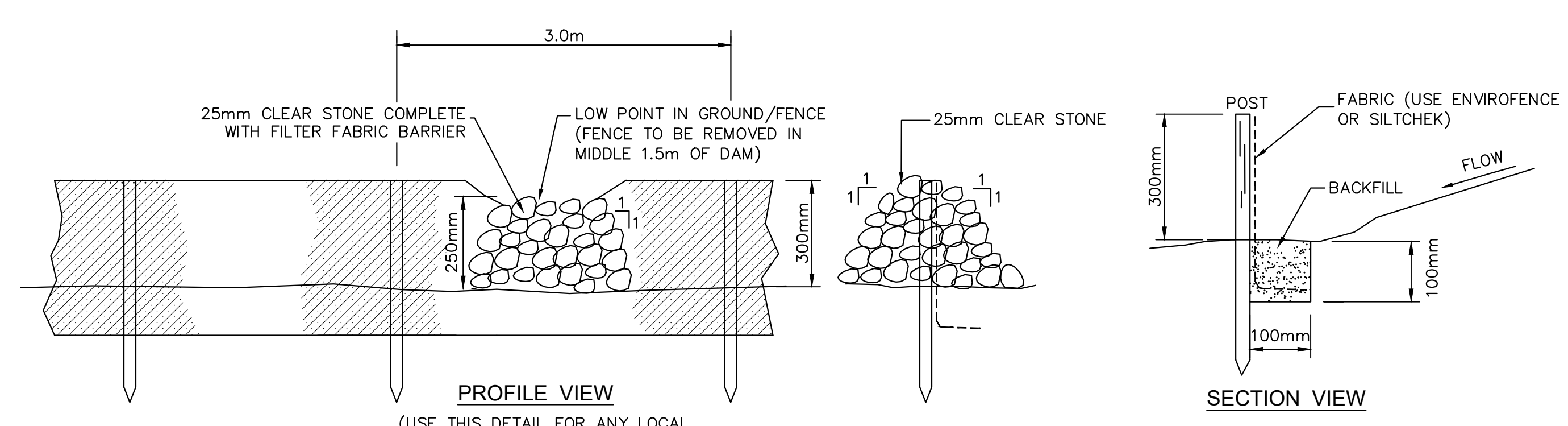
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RIPRAP CROSS-SECTION C
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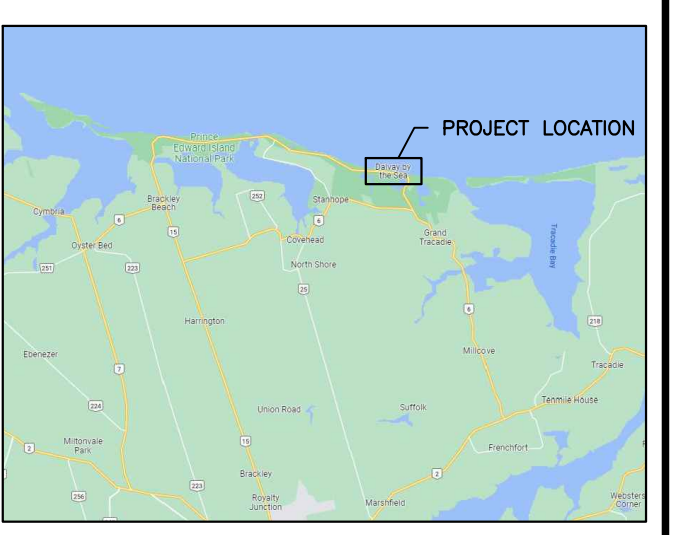
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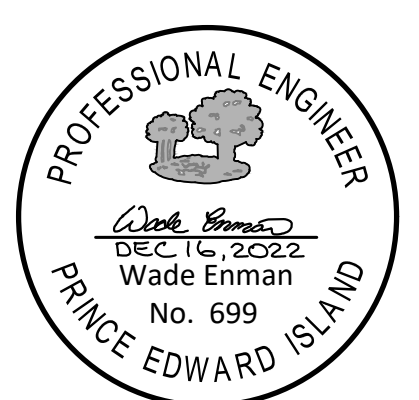
SILT FENCE DETAIL 2
NTS

EROSION AND SEDIMENT CONTROL GENERAL NOTES:

- CONSTRUCTION ACTIVITY TO BE CARRIED OUT BASED ON THE PRINCIPLE THAT PREVENTION OF SEDIMENT LADEN RUN-OFF IS THE FOCUS RATHER THAN RELYING ON TREATMENT AT OUTFALL. THIS IS TO BE ACCOMPLISHED BY MINIMIZING EXPOSED SOIL. ONCE EXCAVATION HAS BEGUN IN A PARTICULAR AREA, THE WORK IS TO BE COMPLETED IN THAT AREA, INCLUDING FINAL GRADING AND STABILIZATION. ON THIS PROJECT IT WILL BE UNACCEPTABLE TO CONSTRUCT THE ENTIRE PROJECT AND THEN DO ALL STABILIZATION WORK. SOIL STABILIZATION WORK ON THIS PROJECT WILL BE AN ONGOING PROCESS HEAVILY INFLUENCED BY WEATHER FORECASTS.
- ALL WORKS TO BE PERFORMED IN ACCORDANCE WITH THE BASIC IMPACT ANALYSIS REPORT, ENVIRONMENTAL IMPACT ANALYSIS REPORT, AND DEPARTMENT OF FISHERIES AND OCEANS REQUIREMENTS.
- THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION. CONTRACTOR TO MAINTAIN A COPY OF EACH PERMIT ON SITE DURING CONSTRUCTION AND TO PROVIDE NECESSARY SECURITY MEASURES.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF NATURAL WATERCOURSES AND SURROUNDING AREAS FROM DAMAGE DURING CONSTRUCTION.
- ALL WORK SHOULD BE COORDINATED WITH LOW TIDES TO AVOID WORKING IN WATER.
- CONTRACTOR TO HAVE AN APPOINTED EROSION AND SEDIMENTATION CONTROL PERSON. THIS PERSON IS RESPONSIBLE TO REVIEW, UPGRADE, AND MAINTAIN THE EROSION AND SEDIMENTATION CONTROL MEASURES FOR THE DURATION OF THE CONSTRUCTION UNTIL THE COMPLETE SITE IS STABILIZED.
- CONTRACTOR TO MONITOR ENVIRONMENT CANADA'S 5 DAY FORECAST ON A DAILY BASIS. WHEN RAIN IS FORECAST, CONTRACTOR TO ENSURE THAT ALL EXPOSED AREAS ARE STABILIZED PRIOR TO RAINFALL EVENT.
- CONTRACTOR TO INSPECT SEDIMENT CONTROL STRUCTURES AND MAKE NECESSARY REPAIRS BEFORE AND AFTER EACH RAINFALL, AS WELL AS WHENEVER NECESSARY. CONTRACTOR TO KEEP A LOG DOCUMENTING INSPECTIONS, REMEDIATION ACTION AND REPORT OF EXPOSED AREAS.
- TRIBUTARY STORMWATER FROM SITE TO BE DIRECTED TO SEDIMENTATION CONTROL DEVICES AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR TO INSTALL AND MAINTAIN DIVERSION DITCHES AROUND AND THROUGH THE SITE AS NECESSARY TO KEEP CLEAN WATER CLEAN.
- CONTRACTOR TO HAVE ADDITIONAL SILT FENCE, BALED HAY AND LOOSE HAY AND/OR MULCH ON SITE FOR MAINTENANCE AND INSTALLATION OF ADDITIONAL MEASURES AS REQUIRED.
- COVER EXPOSED SURFACES WITH MATERIAL APPROVED BY DEPARTMENTAL REPRESENTATIVE AS REQUIRED TO PREVENT SEDIMENT RUN-OFF. MAINTAIN COVERAGE THROUGHOUT CONSTRUCTION PERIOD.
- WHERE SILT FENCE IS SHOWN AND GROUND IS TOO ROCKY TO INSTALL REGULAR SILT FENCE, CONTRACTOR MAY SUBSTITUTE WITH MATERIAL APPROVED BY DEPARTMENTAL REPRESENTATIVE.
- ALL EXPOSED AREAS NOT FINISHED WITH ASPHALT, CONCRETE, GRAVEL, RIP-RAP OR SOD TO BE HYDROSEEDING WITH APPROVED HYDROSEED MIX.
- MAINTAIN CLEAN GRAVEL ACCESS ROAD TO SITE, PERIODICALLY APPLYING ADDITIONAL GRAVEL TO COVER MUD SURFACES. CONTRACTOR RESPONSIBLE TO CLEAN ADJACENT ROAD AS DIRECTED BY THE ENGINEER.
- RESTRICT VEHICLE ACCESS TO SITE AT CONSTRUCTION ENTRANCES.
- STOCKPILED MATERIALS ON-SITE MUST BE STABILIZED USING APPROPRIATE MEASURES INCLUDING, BUT NOT LIMITED TO, SILT FENCE, HAY AND TARPS.
- ALL SEDIMENT CONTROL MEASURES TO BE FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR TO LEAVE SEDIMENTATION CONTROL MEASURES IN SERVICE UNTIL COMPLETION OF WORK.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE AN IN-THE-DRY WORKPLAN FOR APPROVAL PRIOR TO ANY WORK BEING COMPLETED.
- ON-SITE INSPECTION TO BE COMPLETED BY ENVIRONMENTAL PROTECTION OFFICER AND ANY DEFICIENCIES NOTED TO BE IDENTIFIED AND RECTIFIED BY THE CONTRACTOR.



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