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General Notes

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- UTILITY AND OTHER CONFLICTS HAVE NOT BEEN ADDRESSED IN THESE DRAWINGS, AND WILL BE RESOLVED IN THE FIELD USING VERIFIED UTILITY LOCATIONS AND OTHER SITE INFORMATION. CONSULT WITH WINDLECTRIC TO DETERMINE ANY OTHER LANDOWNER UNDERGROUND SERVICES THAT MAY BE AFFECTED BY THE ROAD CONSTRUCTION.
- TOPOGRAPHICAL SURVEY COMPLETED BY MCINTOSH PERRY CONSULTING ENGINEERS, DATED 2015. (UTM ZONE 18 NAD83 (CRSR) 1997.0)
- ENTRANCE RADII AS NOTED TO BE PROVIDED FROM EDGE OF PAVEMENT OR GRAVEL AS SHOWN ON PLAN DRAWING. RADIUS MODIFICATIONS MAY BE REQUIRED SUBJECT TO REVIEW OF ENTRANCE SKEW ANGLE AND VEHICLE ACCESS REQUIREMENTS.
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- CONTRACTOR TO ADHERE TO ALL CONSERVATION AUTHORITY PERMITS AND CONDITIONS OF APPROVAL.
- RIGHT OF WAY LIMITS ARE IN ACCORDANCE WITH INFORMATION PROVIDED BY MCINTOSH PERRY CONSULTING ENGINEERS, AND COMPLY WITH ALL OTHER PERMITS ASSOCIATED WITH THE WORKS AND REA COMMITMENTS.

Legend

- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

Revision	By	Appd.	YY.MM.DD	
A	PCS SUBMISSION	RCL	MPG	17.08.16

File Name	RCL	MPG	RCL	17.08.15
PCS C208-C215_133560100-Ent.dwg	Dwn.	Chkd.	Dign.	YY.MM.DD

Permit-Seal

Client/Project

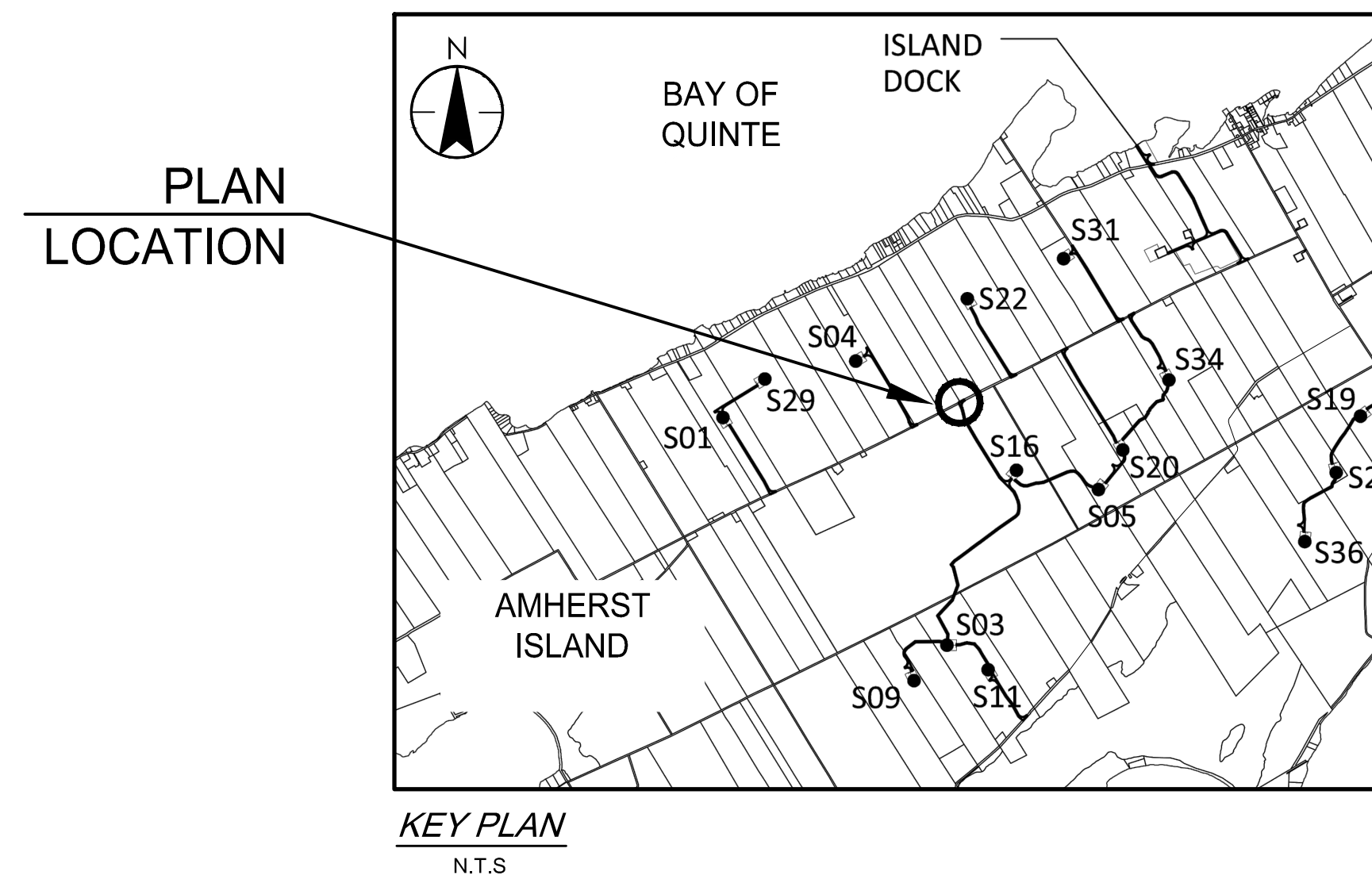


AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

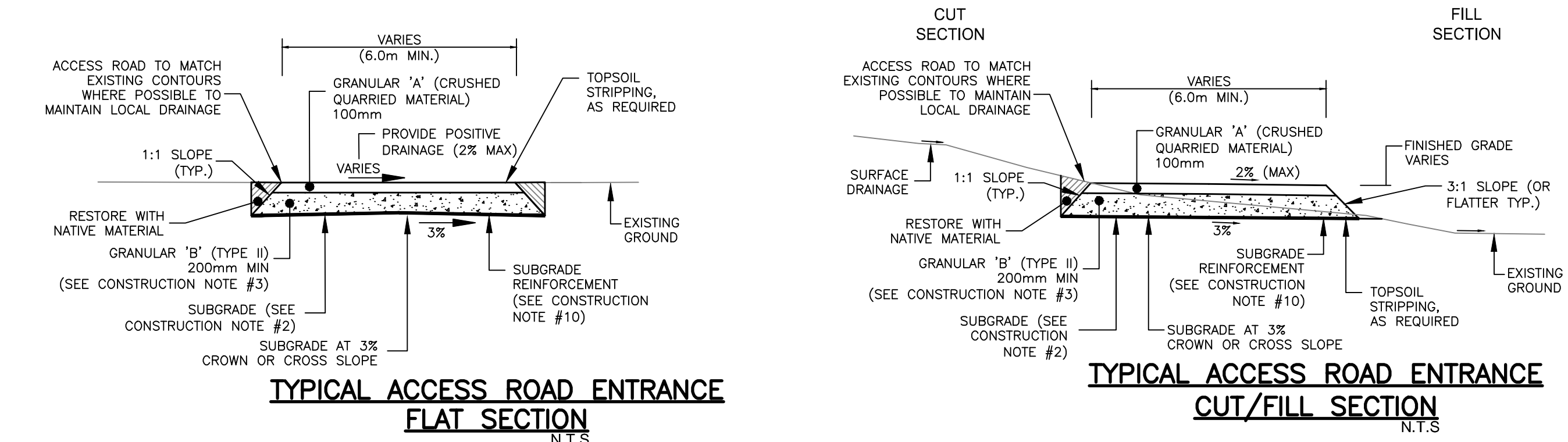
Title

TEMPORARY ENTRANCE LAYOUT  
CONCESSION ROAD 2  
ENTRANCE FOR TURBINE S16

Project No.	Scale
133560100	1:250H 0 2.5 7.5 12.5m 1:125V 0 1.25 3.75 6.25m
Drawing No.	Sheet
	Revision

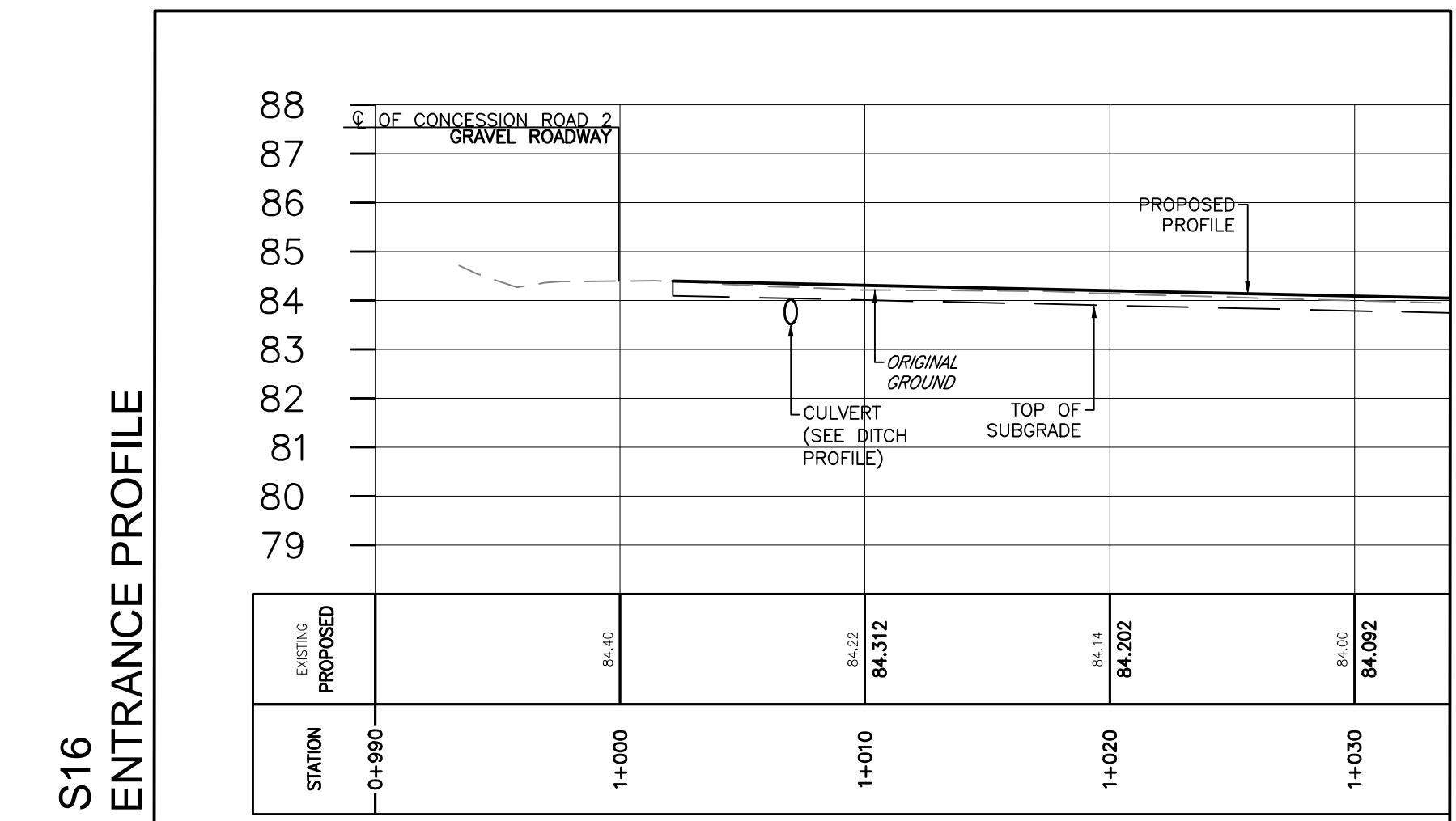


KEY PLAN  
N.T.S.



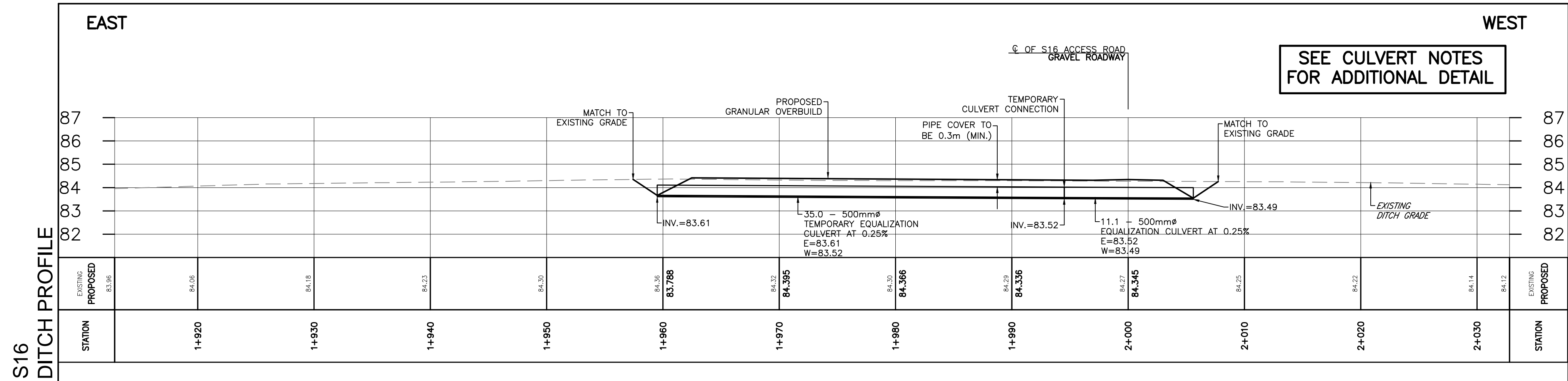
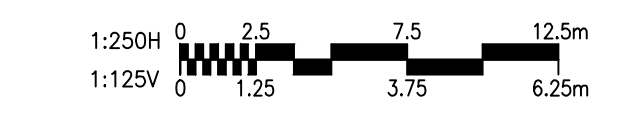
TYPICAL ACCESS ROAD ENTRANCE  
FLAT SECTION  
N.T.S.

TYPICAL ACCESS ROAD ENTRANCE  
CUT/FILL SECTION  
N.T.S.



SEE DRAWING C208  
FOR ADDITIONAL  
ACCESS ROAD DETAILS

PROFILES



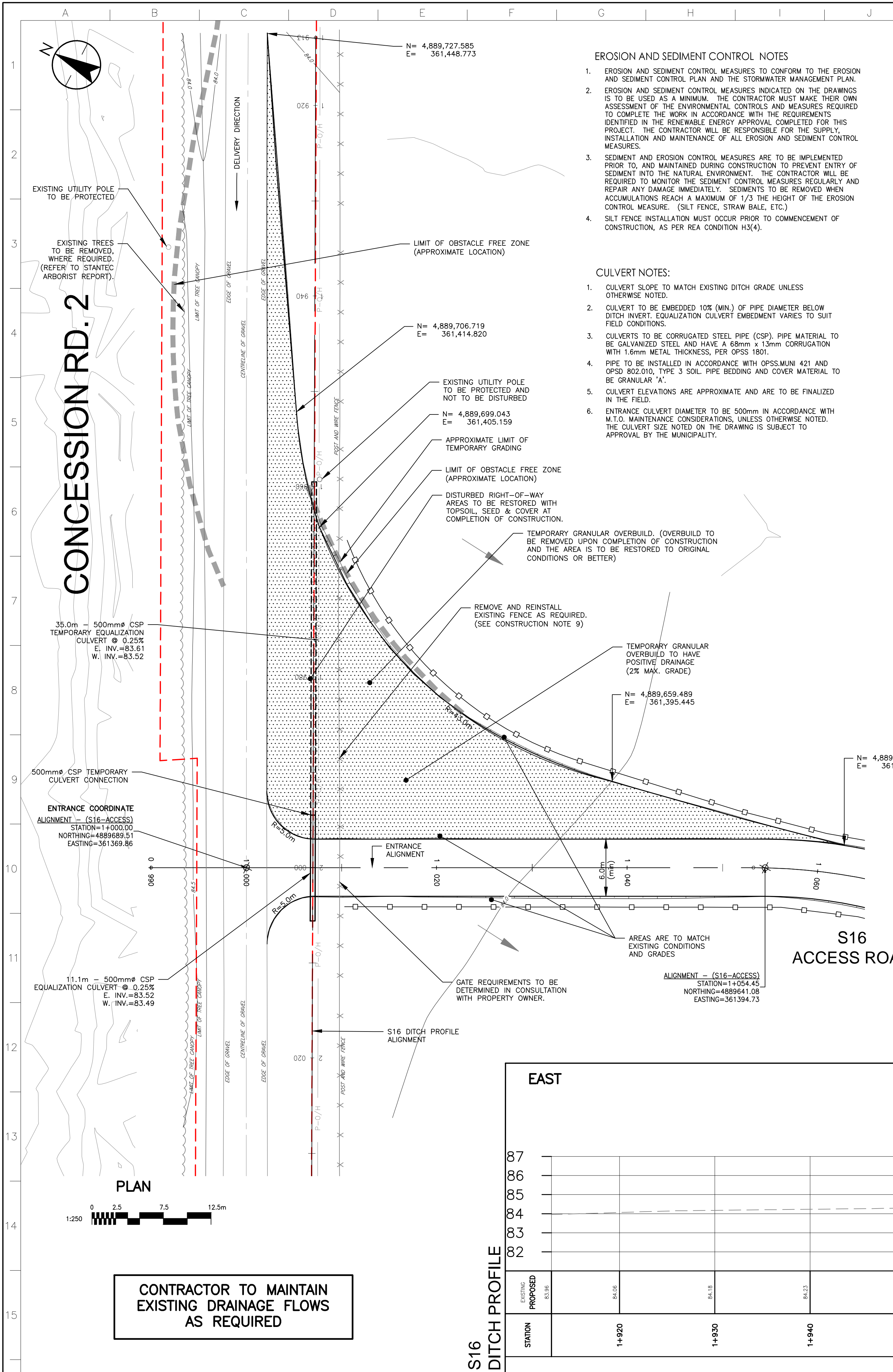
SEE CULVERT NOTES  
FOR ADDITIONAL DETAIL

CONTRACTOR TO MAINTAIN  
EXISTING DRAINAGE FLOWS  
AS REQUIRED

- EROSION AND SEDIMENT CONTROL NOTES**
- EROSION AND SEDIMENT CONTROL MEASURES TO CONFORM TO THE EROSION AND SEDIMENT CONTROL PLAN AND THE STORMWATER MANAGEMENT PLAN.
  - EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE DRAWINGS IS TO BE USED AS A MINIMUM. THE CONTRACTOR MUST MAKE THEIR OWN ASSESSMENT OF THE ENVIRONMENTAL CONTROLS AND MEASURES REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE RENEWABLE ENERGY APPROVAL COMPLETED FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
  - SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION TO PREVENT ENTRY OF SEDIMENT INTO THE NATURAL ENVIRONMENT. THE CONTRACTOR WILL BE REQUIRED TO MONITOR THE SEDIMENT CONTROL MEASURES REGULARLY AND REPAIR ANY DAMAGE IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE EROSION CONTROL MEASURE. (SILT FENCE, STRAW BALE, ETC.)
  - SILT FENCE INSTALLATION MUST OCCUR PRIOR TO COMMENCEMENT OF CONSTRUCTION, AS PER REA CONDITION H3(4).

- CULVERT NOTES:**
- CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
  - CULVERT TO BE EMBEDDED 10% (MIN.) OF PIPE DIAMETER BELOW DITCH INVERT. EQUALIZATION CULVERT EMBEDMENT VARIES TO SUIT FIELD CONDITIONS.
  - CULVERTS TO BE CORRUGATED STEEL PIPE (CSP). PIPE MATERIAL TO BE GALVANIZED STEEL AND HAVE A 68mm x 1.3mm CORRUGATION WITH 1.6mm METAL THICKNESS, PER OPSS 1801.
  - PIPE TO BE INSTALLED IN ACCORDANCE WITH OPSS.MUNI 421 AND OPSS 802.010, TYPE 3 SOIL. PIPE BEDDING AND COVER MATERIAL TO BE GRANULAR 'A'.
  - CULVERT ELEVATIONS ARE APPROXIMATE AND ARE TO BE FINALIZED IN THE FIELD.
  - ENTRANCE CULVERT DIAMETER TO BE 500mm IN ACCORDANCE WITH M.T.O. MAINTENANCE CONSIDERATIONS, UNLESS OTHERWISE NOTED. THE CULVERT SIZE NOTED ON THE DRAWING IS SUBJECT TO APPROVAL BY THE MUNICIPALITY.

- CONSTRUCTION NOTES**
- ACCESS ROAD AREAS TO BE STRIPPED OF TOPSOIL WITHIN GRADING LIMITS. TOPSOIL TO BE WINDROWED ALONG ACCESS ROAD. PROVIDE WINDROW OPENINGS TO ENSURE POSITIVE DRAINAGE IS MAINTAINED WITHIN CONSTRUCTIBLE AREA AND APPLICABLE SILT FENCES.
  - PRIOR TO GRANULAR PLACEMENT, SUBGRADE TO BE PROOF-ROLLED AND WET/UNSTABLE AREAS REMOVED AND REPLACED WITH ADDITIONAL SUITABLE SUB-BASE MATERIAL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER OR DESIGNATE.
  - GRANULAR 'B' SUB-BASE THICKNESS TO BE ADJUSTED TO SUIT LOCAL CONDITIONS.
  - ENTRANCE SIDE SLOPES TO BE 3:1 UNLESS OTHERWISE NOTED ON PLAN DRAWINGS.
  - COMPACTION REQUIREMENTS:**  
SUBGRADE - 95% STANDARD PROCTOR DENSITY  
GRANULARS - 98% STANDARD PROCTOR DENSITY
  - CLEARING AND GRUBBING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 201.
  - EARTH EXCAVATION/GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 208.
  - GRANULAR MATERIALS TO BE IN ACCORDANCE WITH OPSS 1010.
  - THE REQUIREMENTS FOR THE REMOVAL, REINSTALLATION AND/OR DISPOSAL OF EXISTING FEATURES IN CONFLICT WITH THE CONSTRUCTION AREA WILL BE CONFIRMED IN THE FIELD DURING CONSTRUCTION WITH THE PROPERTY OWNER.
  - SUBGRADE REINFORCEMENT TO BE TERRAFIX COMBGRID (PRODUCT 30/30 Q1 151 GRK3) PLACED ON SUBGRADE OVER ENTIRE ACCESS ROAD.



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2017/08/15 15:18:18 RCL (P. degenhart) BCB

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- CONTRACTOR TO ADHERE TO ALL CONSERVATION AUTHORITY PERMITS AND CONDITIONS OF APPROVAL.
- RIGHT OF WAY LIMITS ARE IN ACCORDANCE WITH INFORMATION PROVIDED BY MINTOSH PERRY CONSULTING ENGINEERS, AND COMPLY WITH ALL OTHER PERMITS ASSOCIATED WITH THE WORKS AND REA COMMITMENTS.

Legend

- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- ±0.05 EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

Revision	By	Appd.	YY.MM.DD	
A	PCS SUBMISSION	RCL	MPG	17.08.16

File Name	RCL	MPG	RCL	17.08.15
Revision	Dwn.	Chkd.	Dign.	YY.MM.DD

Permit-Seal

Client/Project

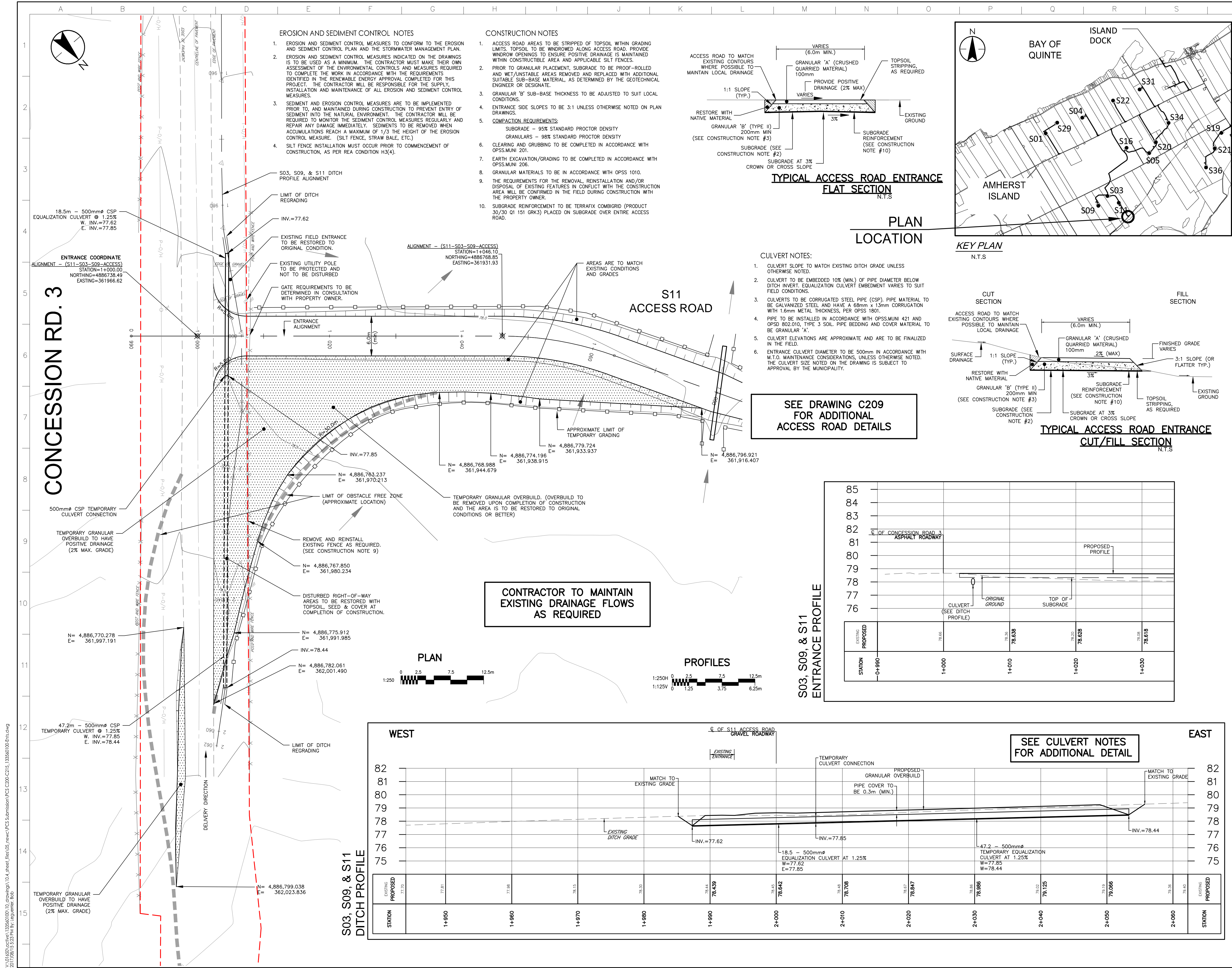


AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

Title

TEMPORARY ENTRANCE LAYOUT  
CONCESSION ROAD 3  
ENTRANCE FOR TURBINES S03, S09, & S11

Project No.	Scale
133560100	1:250H 1:125V
Drawing No.	Sheet
	Revision

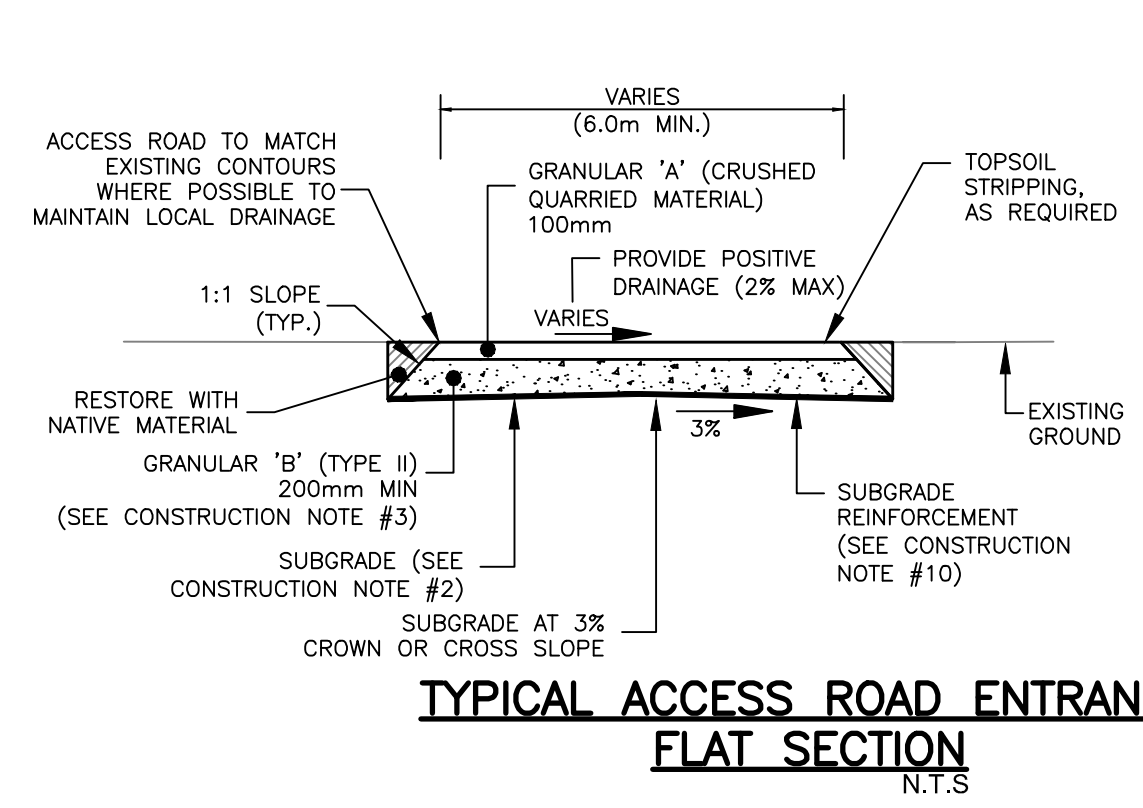


**EROSION AND SEDIMENT CONTROL NOTES**

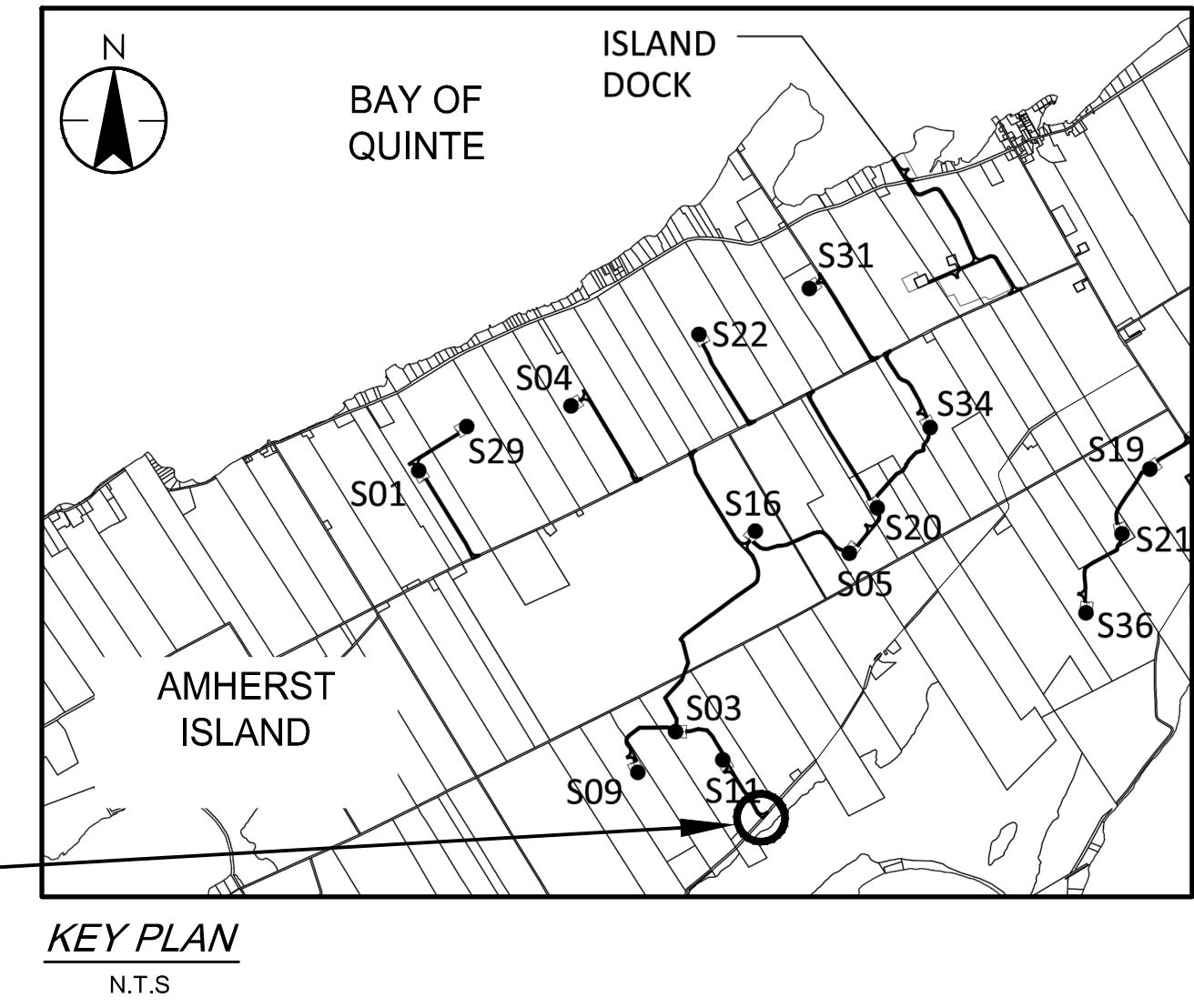
- EROSION AND SEDIMENT CONTROL MEASURES TO CONFORM TO THE EROSION AND SEDIMENT CONTROL PLAN AND THE STORMWATER MANAGEMENT PLAN.
- EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE DRAWINGS IS TO BE USED AS A MINIMUM. THE CONTRACTOR MUST MAKE THEIR OWN ASSESSMENT OF THE ENVIRONMENTAL CONTROLS AND MEASURES REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE RENEWABLE ENERGY APPROVAL COMPLETED FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
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- SILT FENCE INSTALLATION MUST OCCUR PRIOR TO COMMENCEMENT OF CONSTRUCTION, AS PER REA CONDITION H3(4).

**CONSTRUCTION NOTES**

- ACCESS ROAD AREAS TO BE STRIPPED OF TOPSOIL WITHIN GRADING LIMITS. TOPSOIL TO BE WINDROWED ALONG ACCESS ROAD. PROVIDE WINDROW OPENINGS TO ENSURE POSITIVE DRAINAGE IS MAINTAINED WITHIN CONSTRUCTIBLE AREA AND APPLICABLE SILT FENCES.
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- ENTRANCE SIDE SLOPES TO BE 3:1 UNLESS OTHERWISE NOTED ON PLAN DRAWINGS.
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SUBGRADE - 95% STANDARD PROCTOR DENSITY  
GRANULARS - 98% STANDARD PROCTOR DENSITY
- CLEARING AND GRUBBING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 201.
- EARTH EXCAVATION/GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 206.
- GRANULAR MATERIALS TO BE IN ACCORDANCE WITH OPSS 1010.
- THE REQUIREMENTS FOR THE REMOVAL, REINSTALLATION AND/OR DISPOSAL OF EXISTING FEATURES IN CONFLICT WITH THE CONSTRUCTION AREA WILL BE CONFIRMED IN THE FIELD DURING CONSTRUCTION WITH THE PROPERTY OWNER.
- SUBGRADE REINFORCEMENT TO BE TERRAFIX COMBRIGRID (PRODUCT 30/30 Q1 151 GRK3) PLACED ON SUBGRADE OVER ENTIRE ACCESS ROAD.

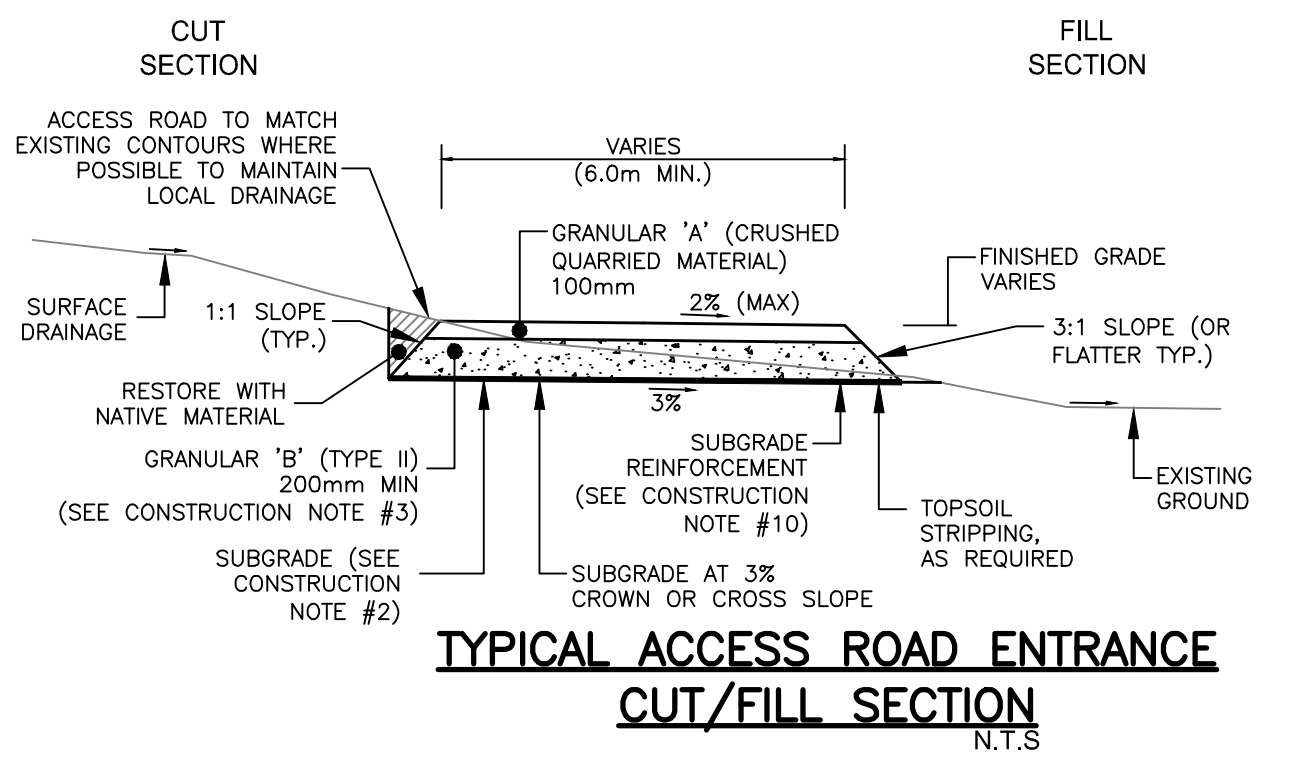


PLAN LOCATION

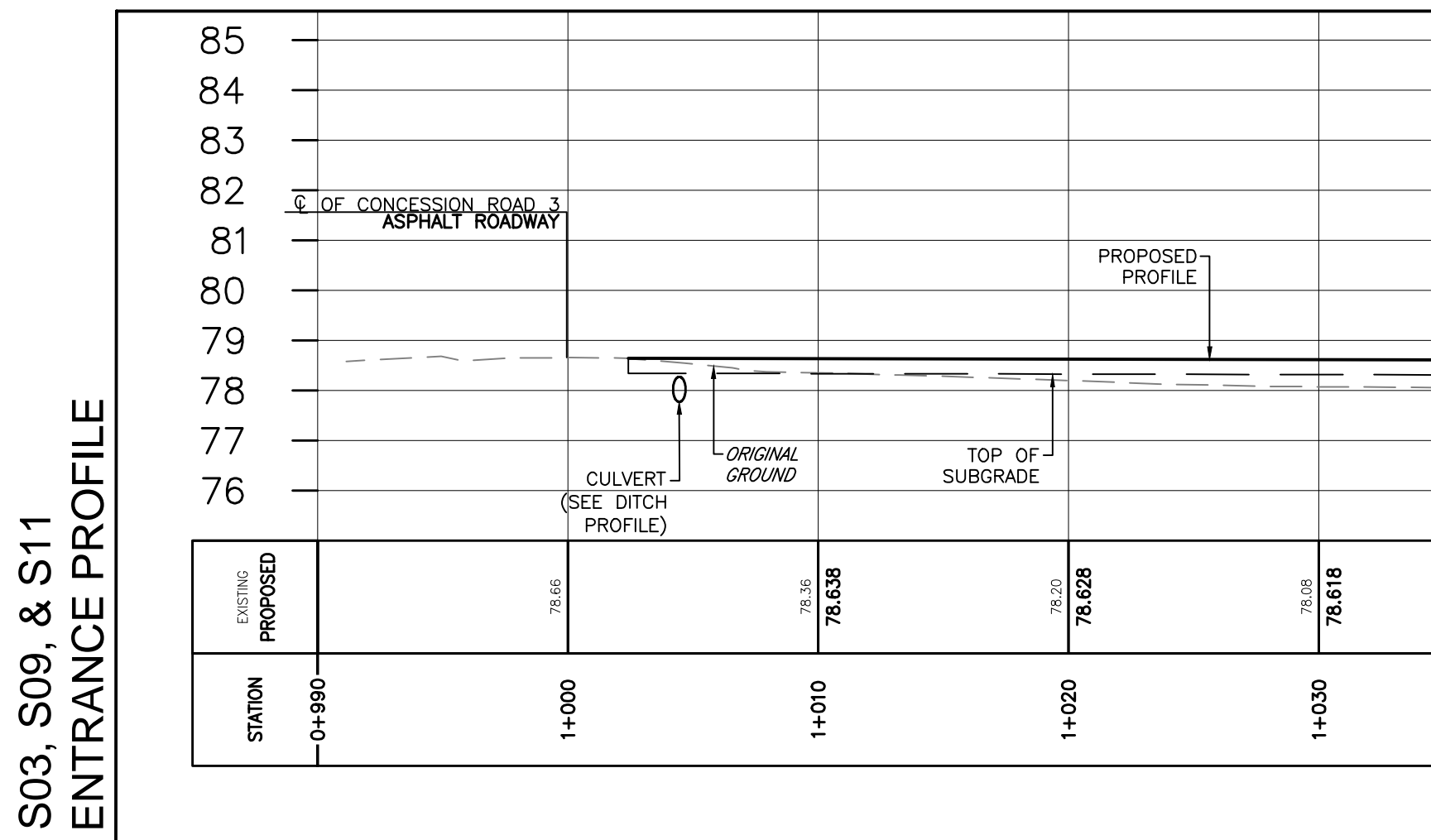


**CULVERT NOTES:**

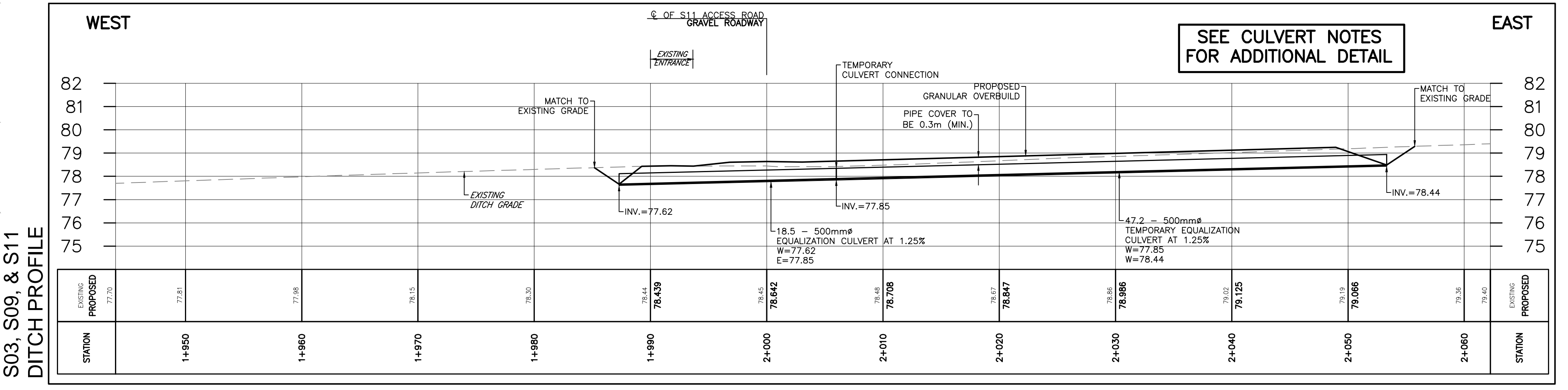
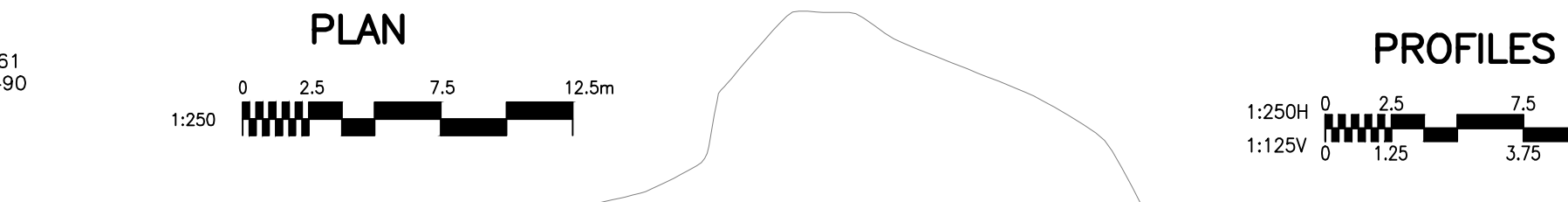
- CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
- CULVERT TO BE EMBEDDED 10% (MIN.) OF PIPE DIAMETER BELOW DITCH INVERT. EQUALIZATION CULVERT EMBEDMENT VARIES TO SUIT FIELD CONDITIONS.
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- ENTRANCE CULVERT DIAMETER TO BE 500mm IN ACCORDANCE WITH M.T.O. MAINTENANCE CONSIDERATIONS, UNLESS OTHERWISE NOTED. THE CULVERT SIZE NOTED ON THE DRAWING IS SUBJECT TO APPROVAL BY THE MUNICIPALITY.



SEE DRAWING C209 FOR ADDITIONAL ACCESS ROAD DETAILS



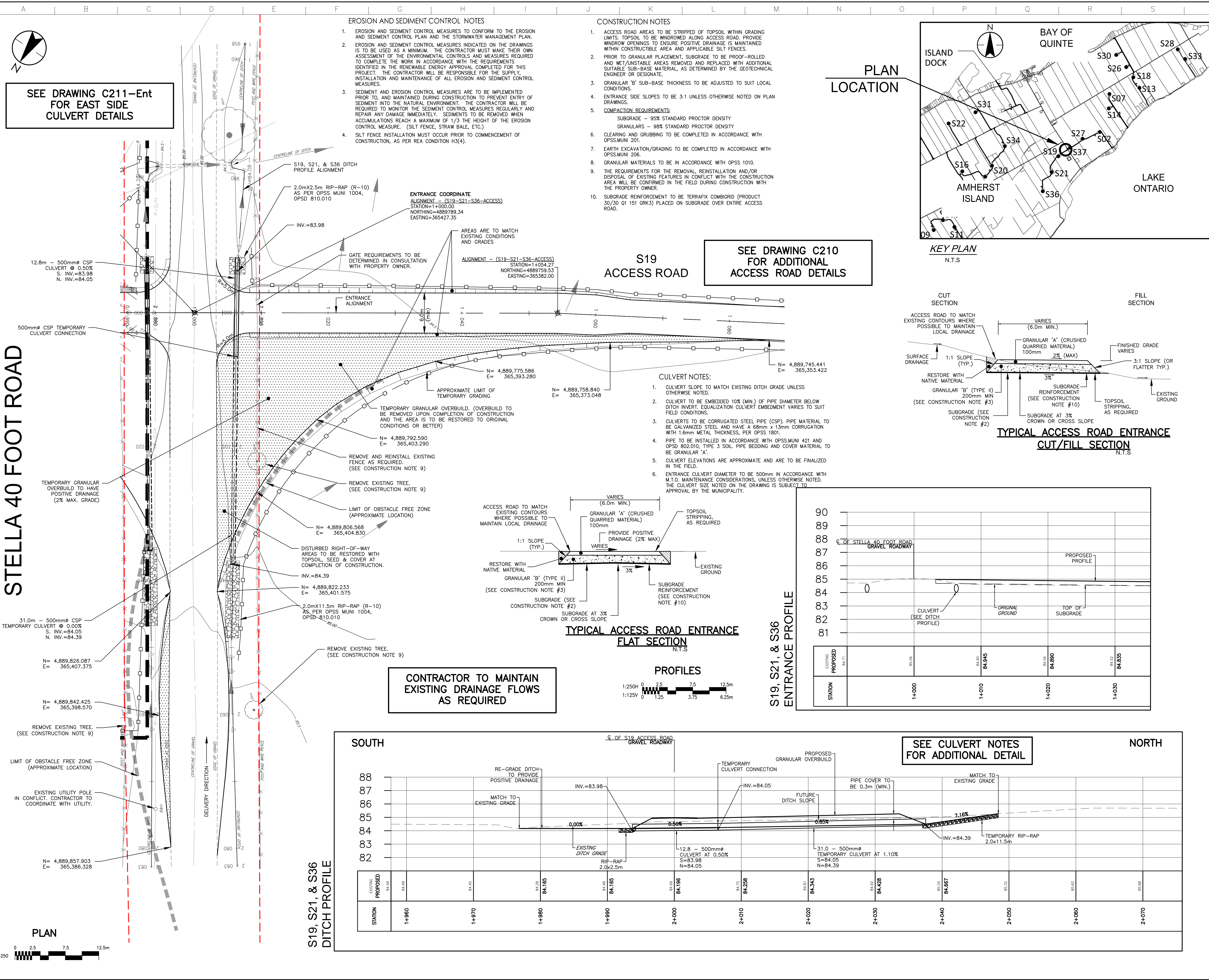
CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED



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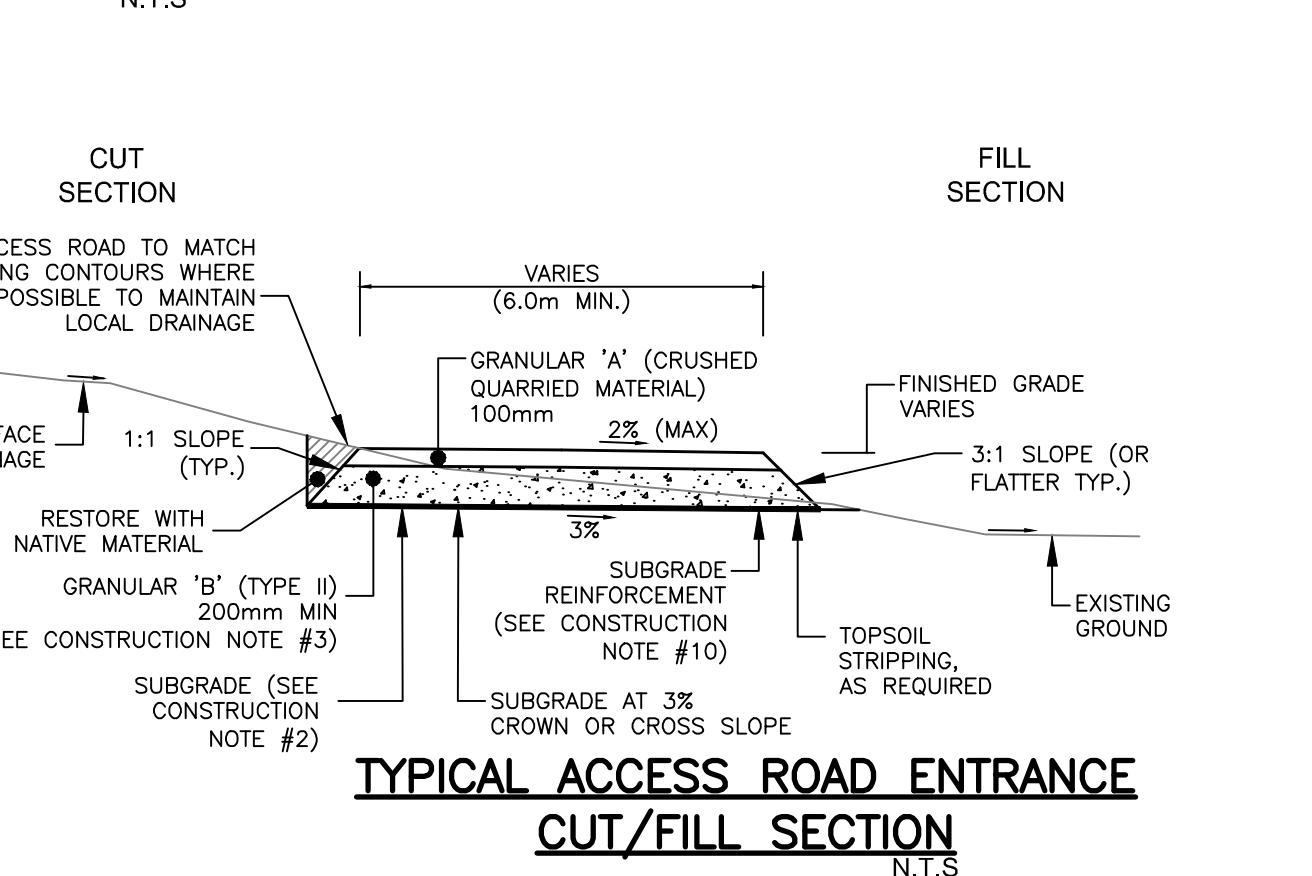
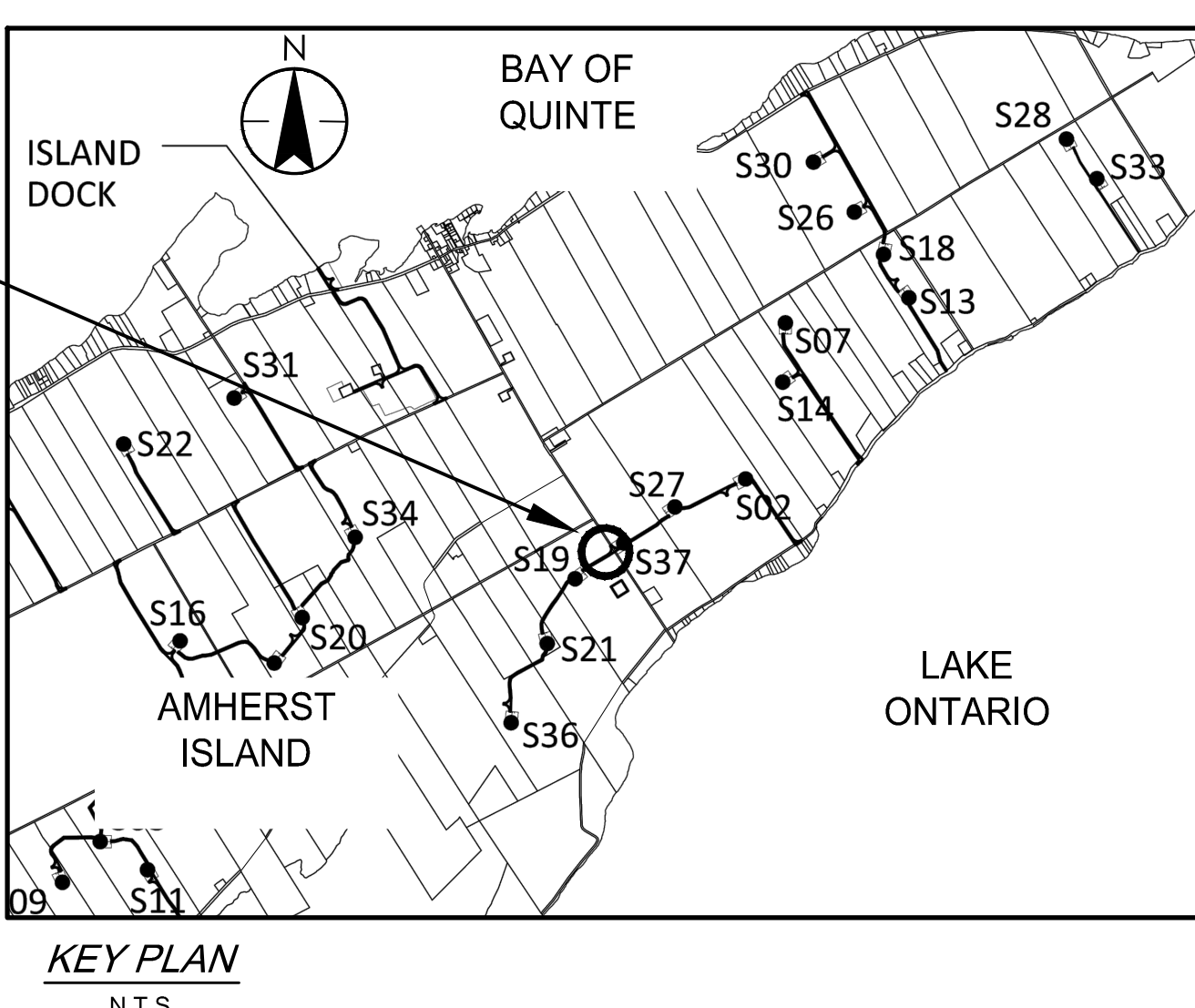
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- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA



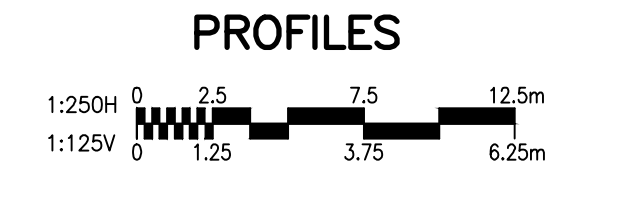
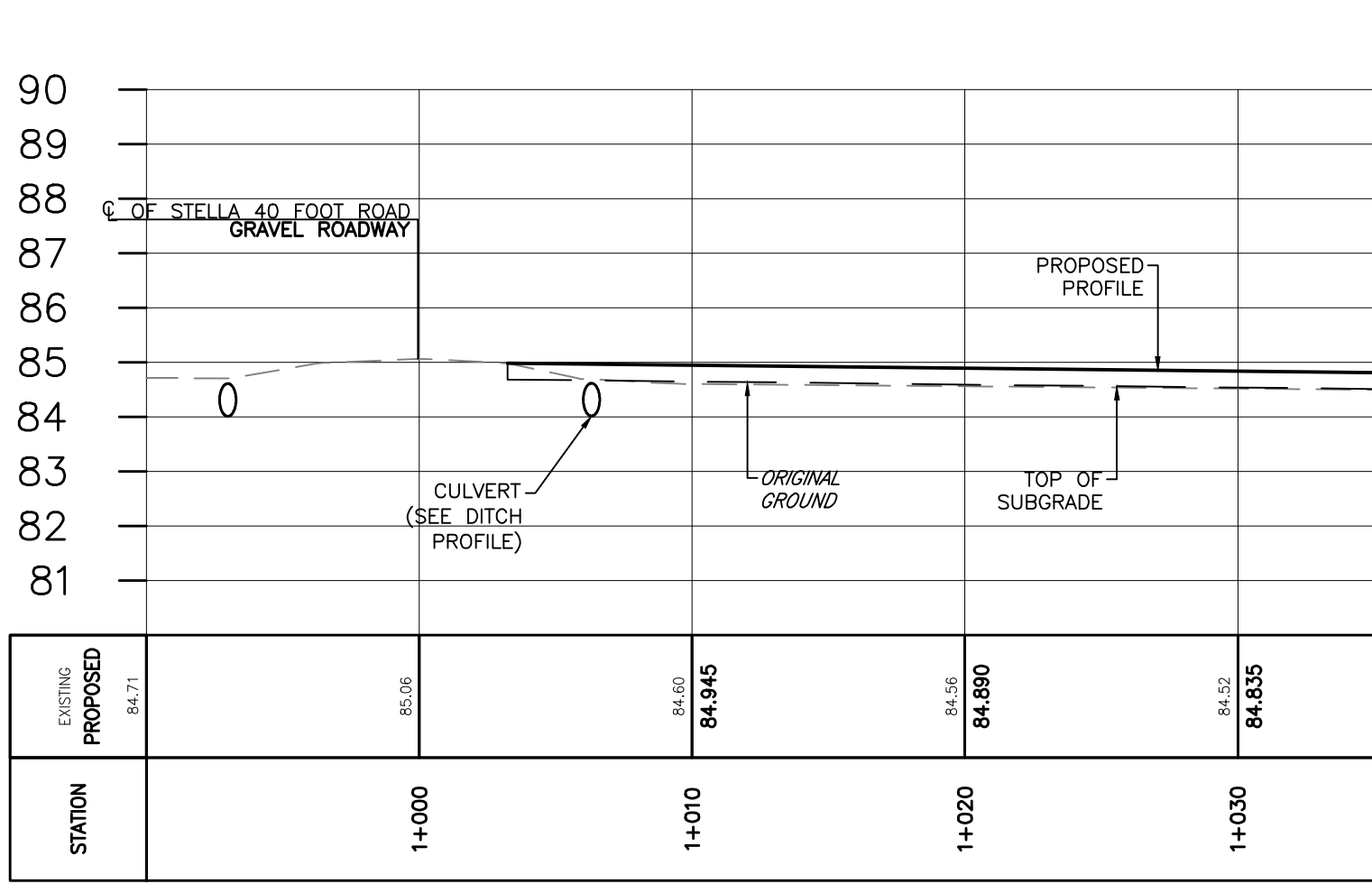
SEE DRAWING C211-Ent FOR EAST SIDE CULVERT DETAILS

SEE DRAWING C210 FOR ADDITIONAL ACCESS ROAD DETAILS

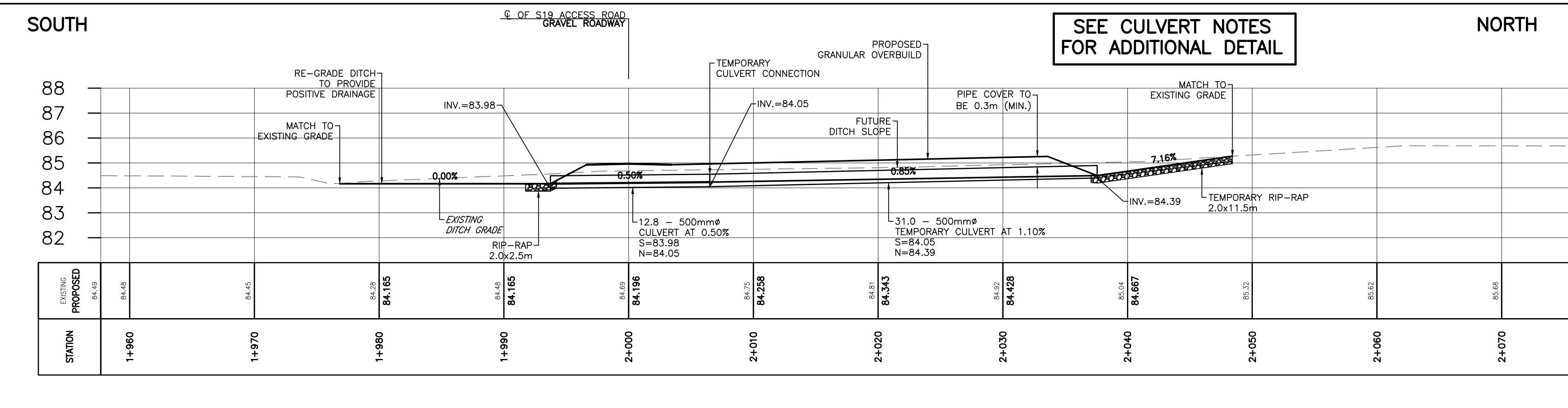


CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED

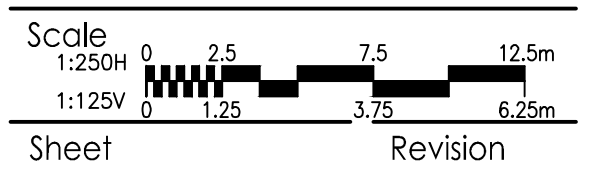
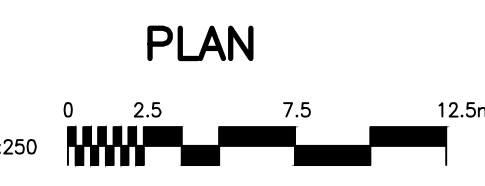
S19, S21, & S36 ENTRANCE PROFILE



S19, S21, & S36 DITCH PROFILE



SEE CULVERT NOTES FOR ADDITIONAL DETAIL



Revision	By	Appd.	YY.MM.DD	
A	PCS SUBMISSION	RCL	MPG	17.08.16

Client/Project  
**PENNECON** HEAVY CIVIL  
AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

Title  
TEMPORARY ENTRANCE LAYOUT  
STELLA 40 FOOT ROAD  
ENTRANCE FOR TURBINES S19, S21, & S36

Project No. 133560100  
Drawing No. Sheet Revision

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- PROPOSED DITCH FLOW
- EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
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- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

A	PCS SUBMISSION	RCL	MPG	17.08.16
Revision		By	Appd.	YY.MM.DD

File Name:	PCS C200-C215_133560100-Ent1.dwg	RCL	MPG	RCL	17.08.15
Permit-Seal		Dwn.	Chkd.	Dgn.	YY.MM.DD

Client/Project



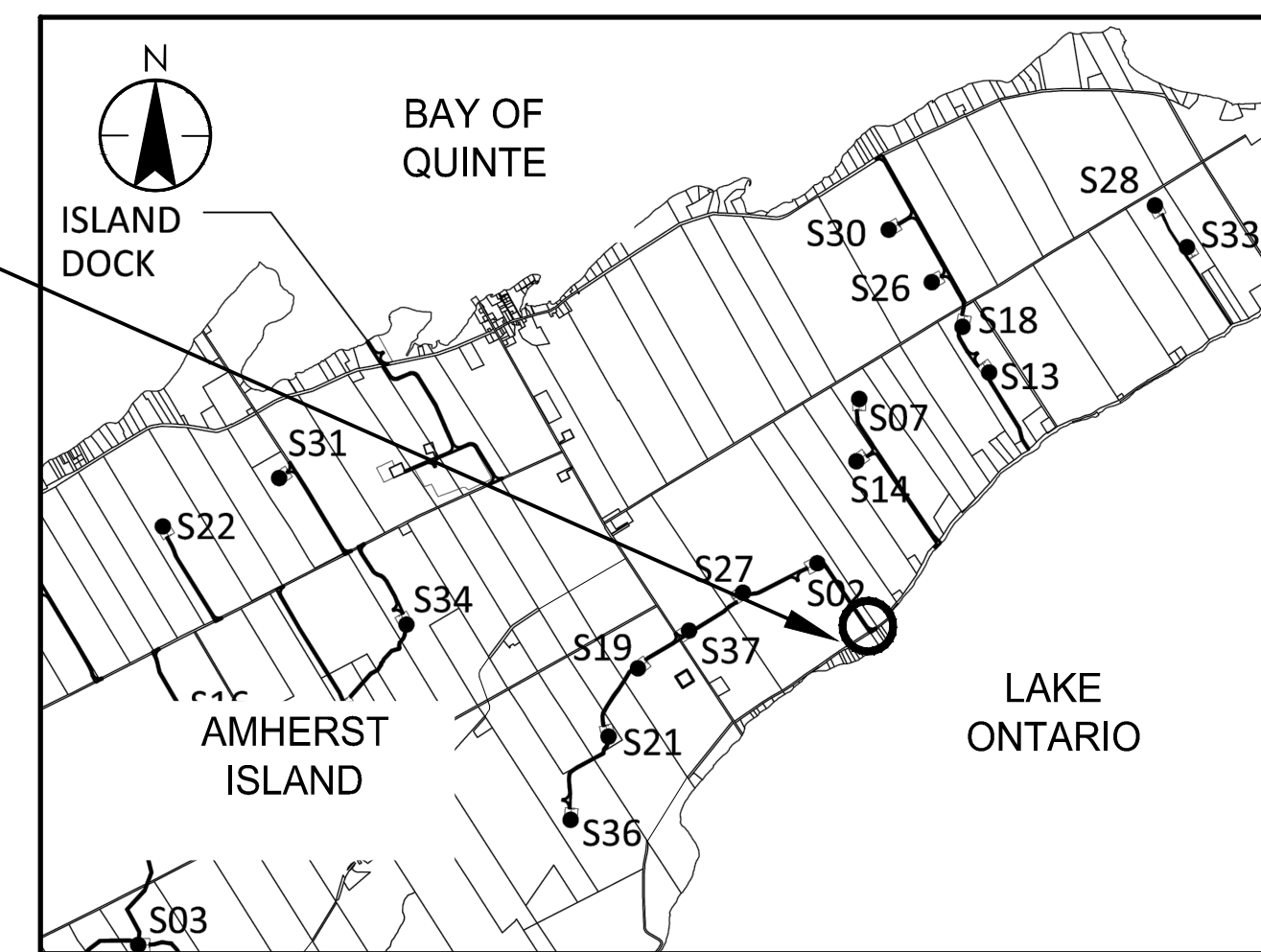
AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

Title

TEMPORARY ENTRANCE LAYOUT  
SOUTH SHORE ROAD  
ENTRANCE FOR TURBINES S02, S27, & S37

Project No. 133560100 Scale 1:250H 0 2.5 7.5 12.5m  
1:125V 0 1.25 3.75 6.25m

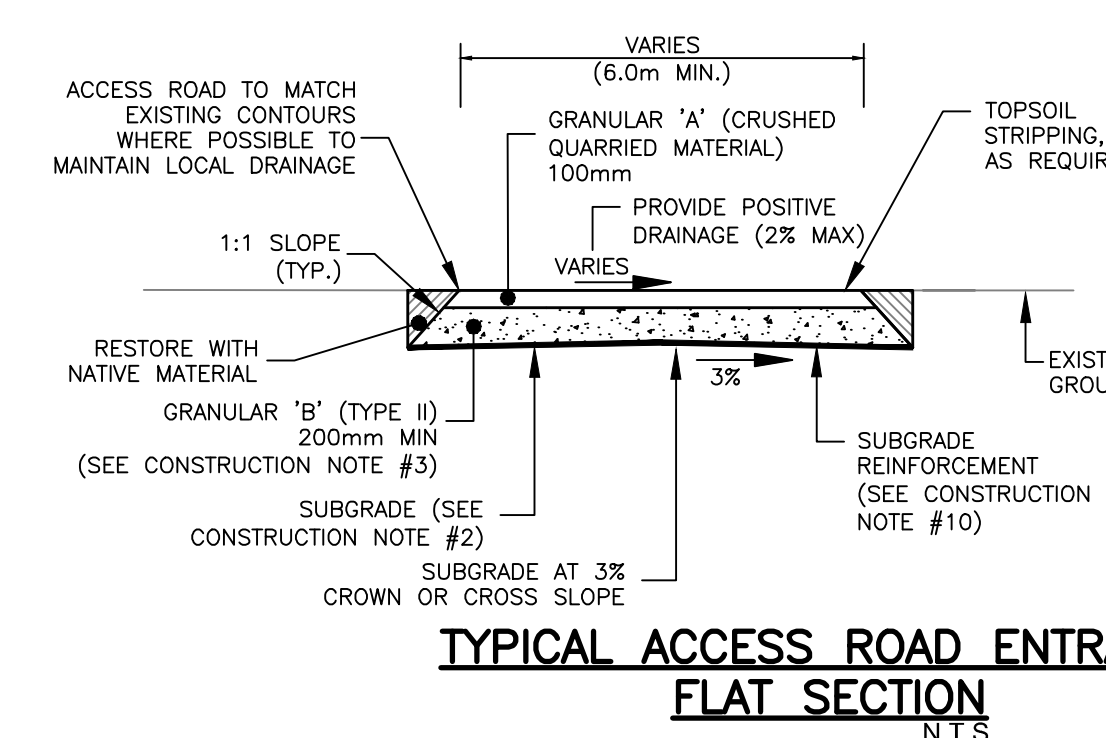
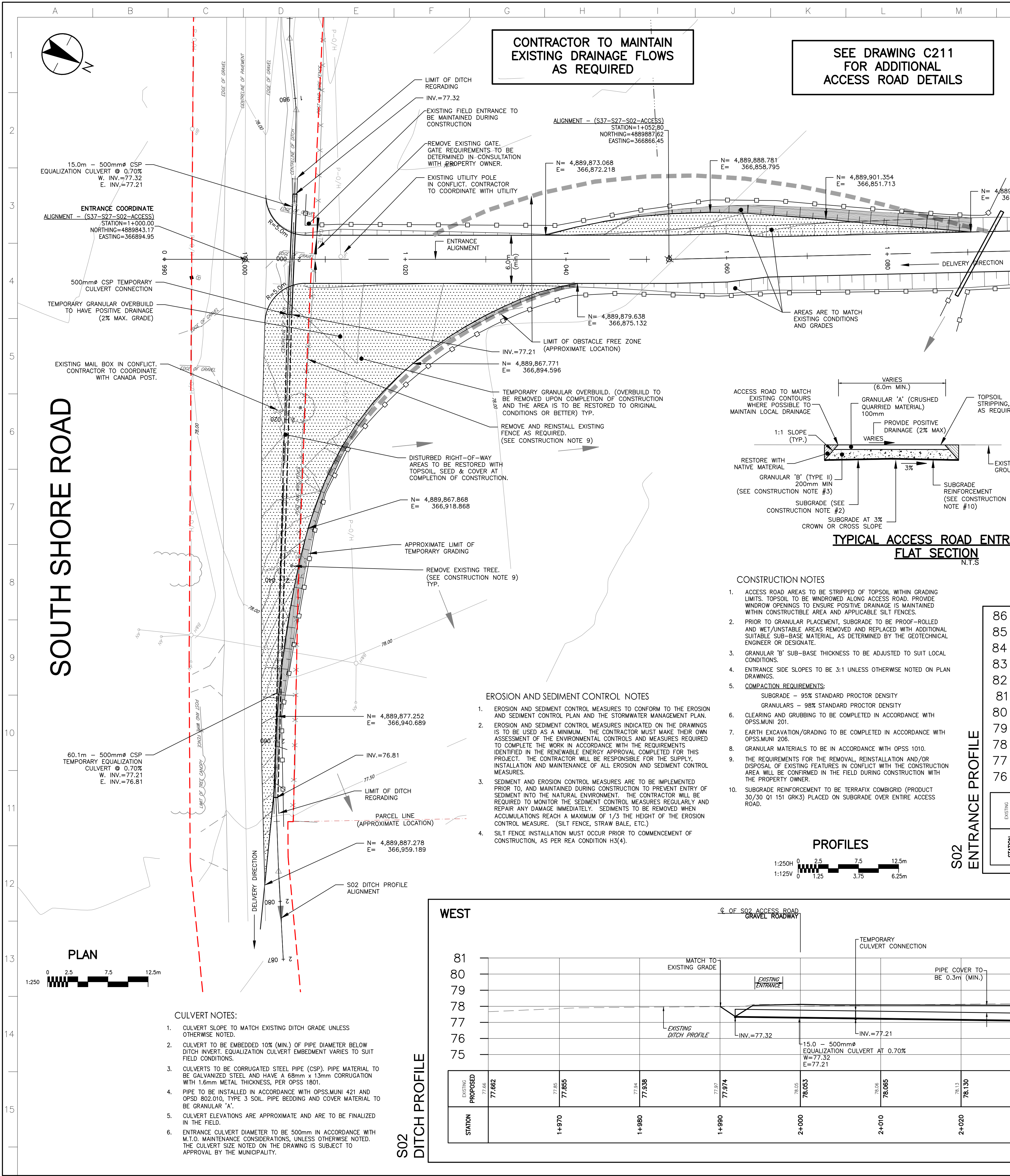
Drawing No. Sheet Revision



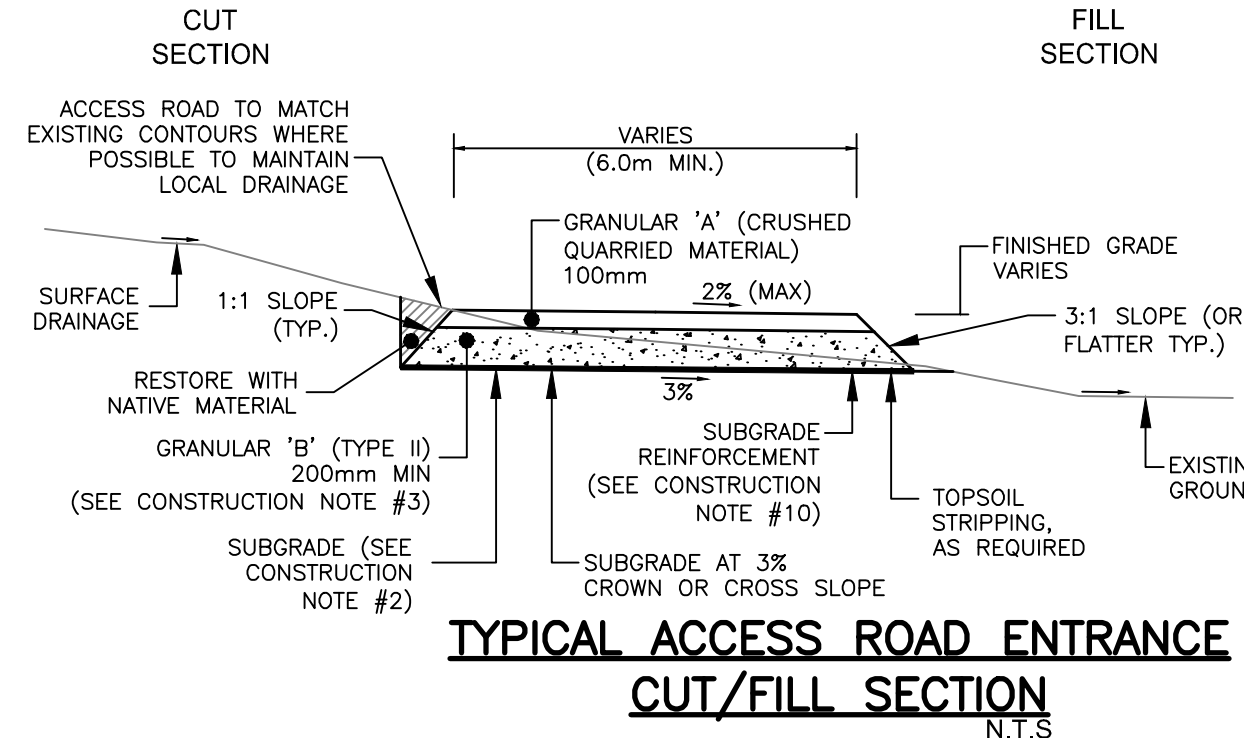
KEY PLAN  
N.T.S.

CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED

SEE DRAWING C211 FOR ADDITIONAL ACCESS ROAD DETAILS



TYPICAL ACCESS ROAD ENTRANCE FLAT SECTION  
N.T.S.

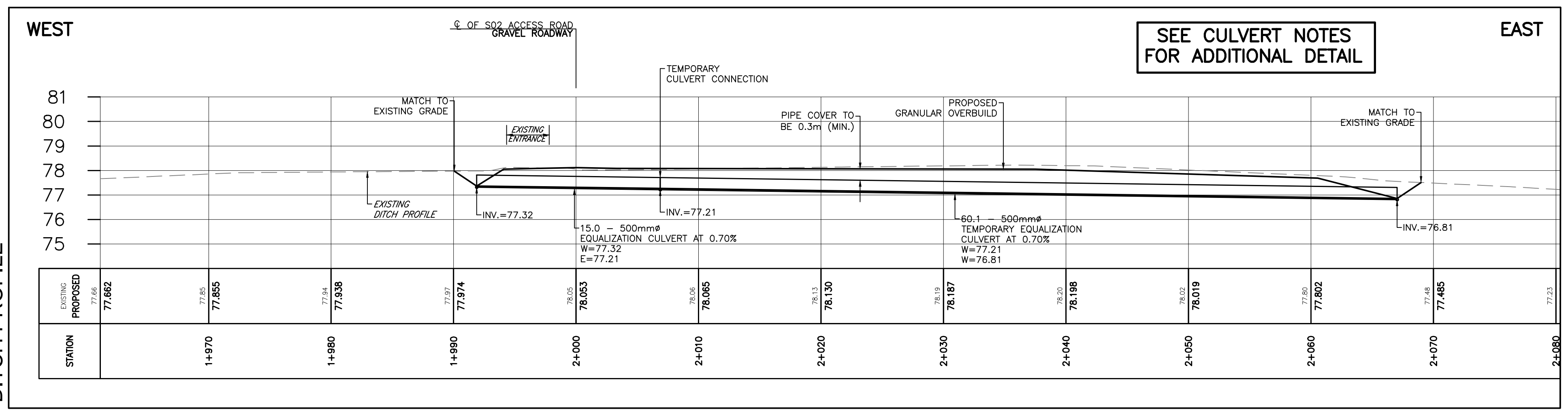
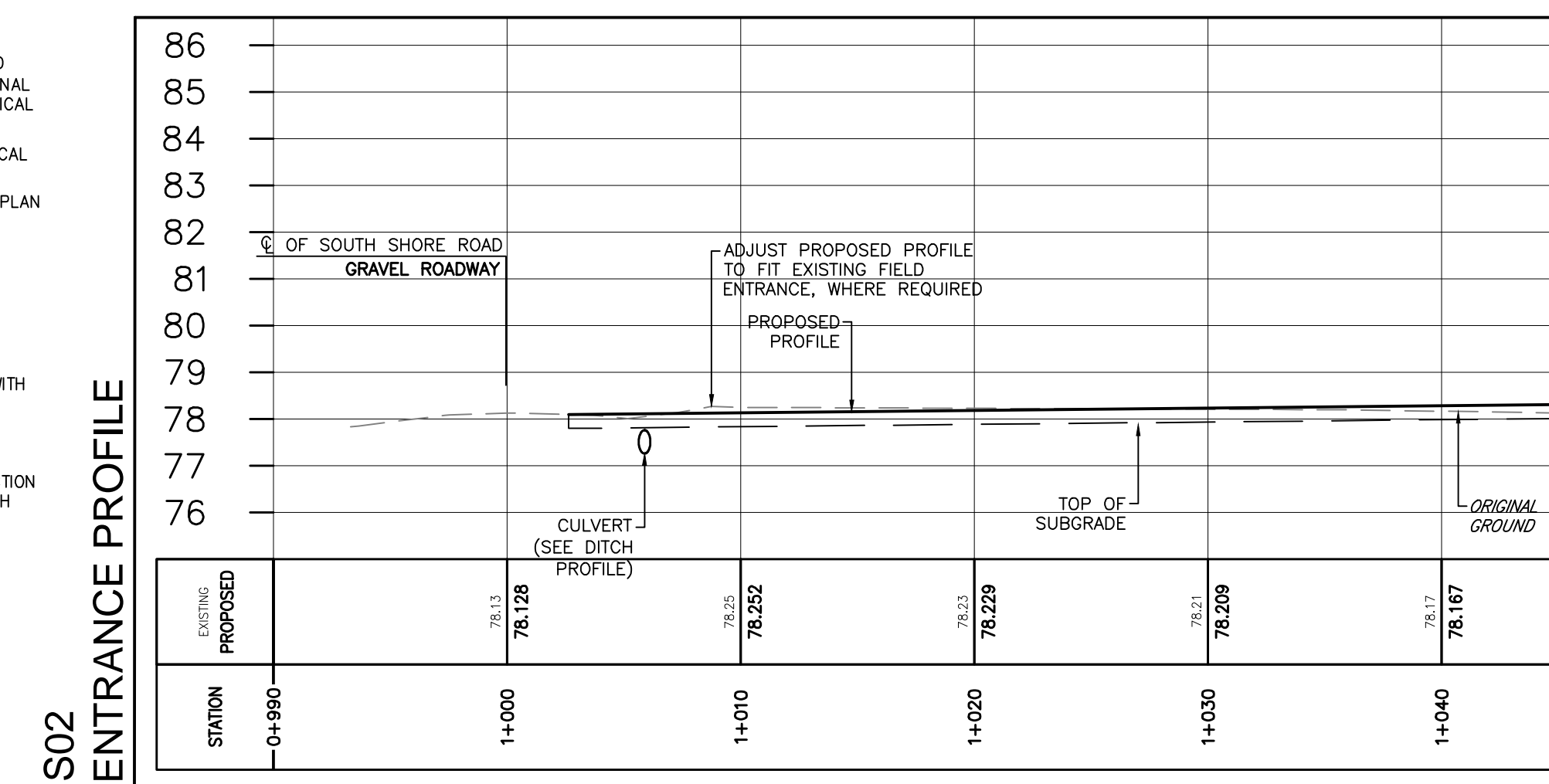
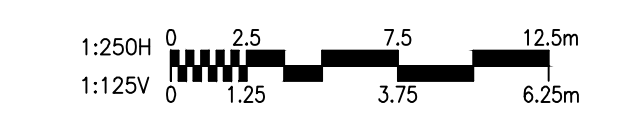


TYPICAL ACCESS ROAD ENTRANCE CUT/FILL SECTION  
N.T.S.

- CONSTRUCTION NOTES
- ACCESS ROAD AREAS TO BE STRIPPED OF TOPSOIL WITHIN GRADING LIMITS. TOPSOIL TO BE WINDROWED ALONG ACCESS ROAD. PROVIDE WINDROW OPENINGS TO ENSURE POSITIVE DRAINAGE IS MAINTAINED WITHIN CONSTRUCTIBLE AREA AND APPLICABLE SILT FENCES.
  - PRIOR TO GRANULAR PLACEMENT, SUBGRADE TO BE PROOF-ROLLED AND WET/UNSTABLE AREAS REMOVED AND REPLACED WITH ADDITIONAL SUITABLE SUB-BASE MATERIAL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER OR DESIGNATE.
  - GRANULAR 'b' SUB-BASE THICKNESS TO BE ADJUSTED TO SUIT LOCAL CONDITIONS.
  - ENTRANCE SIDE SLOPES TO BE 3:1 UNLESS OTHERWISE NOTED ON PLAN DRAWINGS.
  - COMPACTION REQUIREMENTS:  
SUBGRADE - 95% STANDARD PROCTOR DENSITY  
GRANULARS - 98% STANDARD PROCTOR DENSITY
  - CLEARING AND GRUBBING TO BE COMPLETED IN ACCORDANCE WITH OPSS/MUNI 201.
  - EARTH EXCAVATION/GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSS/MUNI 206.
  - GRANULAR MATERIALS TO BE IN ACCORDANCE WITH OPSS 1010.
  - THE REQUIREMENTS FOR THE REMOVAL, REINSTALLATION AND/OR DISPOSAL OF EXISTING FEATURES IN CONFLICT WITH THE CONSTRUCTION AREA WILL BE CONFIRMED IN THE FIELD DURING CONSTRUCTION WITH THE PROPERTY OWNER.
  - SUBGRADE REINFORCEMENT TO BE TERRAFIX COMBGRID (PRODUCT 30/30 Q1 151 GRK3) PLACED ON SUBGRADE OVER ENTIRE ACCESS ROAD.

- EROSION AND SEDIMENT CONTROL NOTES
- EROSION AND SEDIMENT CONTROL MEASURES TO CONFORM TO THE EROSION AND SEDIMENT CONTROL PLAN AND THE STORMWATER MANAGEMENT PLAN.
  - EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE DRAWINGS IS TO BE USED AS A MINIMUM. THE CONTRACTOR MUST MAKE THEIR OWN ASSESSMENT OF THE ENVIRONMENTAL CONTROLS AND MEASURES REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE RENEWABLE ENERGY APPROVAL COMPLETED FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
  - SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION TO PREVENT ENTRY OF SEDIMENT INTO THE NATURAL ENVIRONMENT. THE CONTRACTOR WILL BE REQUIRED TO MONITOR THE SEDIMENT CONTROL MEASURES REGULARLY AND REPAIR ANY DAMAGE IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE EROSION CONTROL MEASURE. (SILT FENCE, STRAW BALE, ETC.)
  - SILT FENCE INSTALLATION MUST OCCUR PRIOR TO COMMENCEMENT OF CONSTRUCTION, AS PER REA CONDITION H3(4).

PROFILES



- CULVERT NOTES:
- CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
  - CULVERT TO BE EMBEDDED 10% (MIN.) OF PIPE DIAMETER BELOW DITCH INVERT. EQUALIZATION CULVERT EMBEDMENT VARIES TO SUIT FIELD CONDITIONS.
  - CULVERTS TO BE CORRUGATED STEEL PIPE (CSP). PIPE MATERIAL TO BE GALVANIZED STEEL AND HAVE A 68mm x 13mm CORRUGATION WITH 1.6mm METAL THICKNESS, PER OPSS 1801.
  - PIPE TO BE INSTALLED IN ACCORDANCE WITH OPSS/MUNI 421 AND OPSS 802.010, TYPE 3 SOIL. PIPE BEDDING AND COVER MATERIAL TO BE GRANULAR 'A'.
  - CULVERT ELEVATIONS ARE APPROXIMATE AND ARE TO BE FINALIZED IN THE FIELD.
  - ENTRANCE CULVERT DIAMETER TO BE 500mm IN ACCORDANCE WITH M.T.O. MAINTENANCE CONSIDERATIONS, UNLESS OTHERWISE NOTED. THE CULVERT SIZE NOTED ON THE DRAWING IS SUBJECT TO APPROVAL BY THE MUNICIPALITY.

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General Notes

- UNDER GROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY OF POSITION IS NOT GUARANTEED. THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL UTILITY PLANTS PRIOR TO STARTING WORK.
- UTILITY AND OTHER CONFLICTS HAVE NOT BEEN ADDRESSED IN THESE DRAWINGS, AND WILL BE RESOLVED IN THE FIELD USING VERIFIED UTILITY LOCATIONS AND OTHER SITE INFORMATION. CONSULT WITH WINDLECTRIC TO DETERMINE ANY OTHER LANDOWNER UNDERGROUND SERVICES THAT MAY BE AFFECTED BY THE ROAD CONSTRUCTION.
- TOPOGRAPHICAL SURVEY COMPLETED BY MCINTOSH PERRY CONSULTING ENGINEERS, DATED 2015. (UTM ZONE 18 NAD83 (CRS) 1997.0)
- ENTRANCE RADI AS NOTED TO BE PROVIDED FROM EDGE OF PAVEMENT OR GRAVEL AS SHOWN ON PLAN DRAWING. RADIUS MODIFICATIONS MAY BE REQUIRED SUBJECT TO REVIEW OF ENTRANCE SKEW ANGLE AND VEHICLE ACCESS REQUIREMENTS.
- NOTED DELIVERY ROUTE DIRECTION IS IN ACCORDANCE WITH WINDLECTRIC INC'S TRAFFIC MANAGEMENT PLAN.
- CONTRACTOR TO ADHERE TO ALL CONSERVATION AUTHORITY PERMITS AND CONDITIONS OF APPROVAL.
- RIGHT OF WAY LIMITS ARE IN ACCORDANCE WITH INFORMATION PROVIDED BY MCINTOSH PERRY CONSULTING ENGINEERS, AND COMPLY WITH ALL OTHER PERMITS ASSOCIATED WITH THE WORKS AND REA COMMITMENTS.

Legend

- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

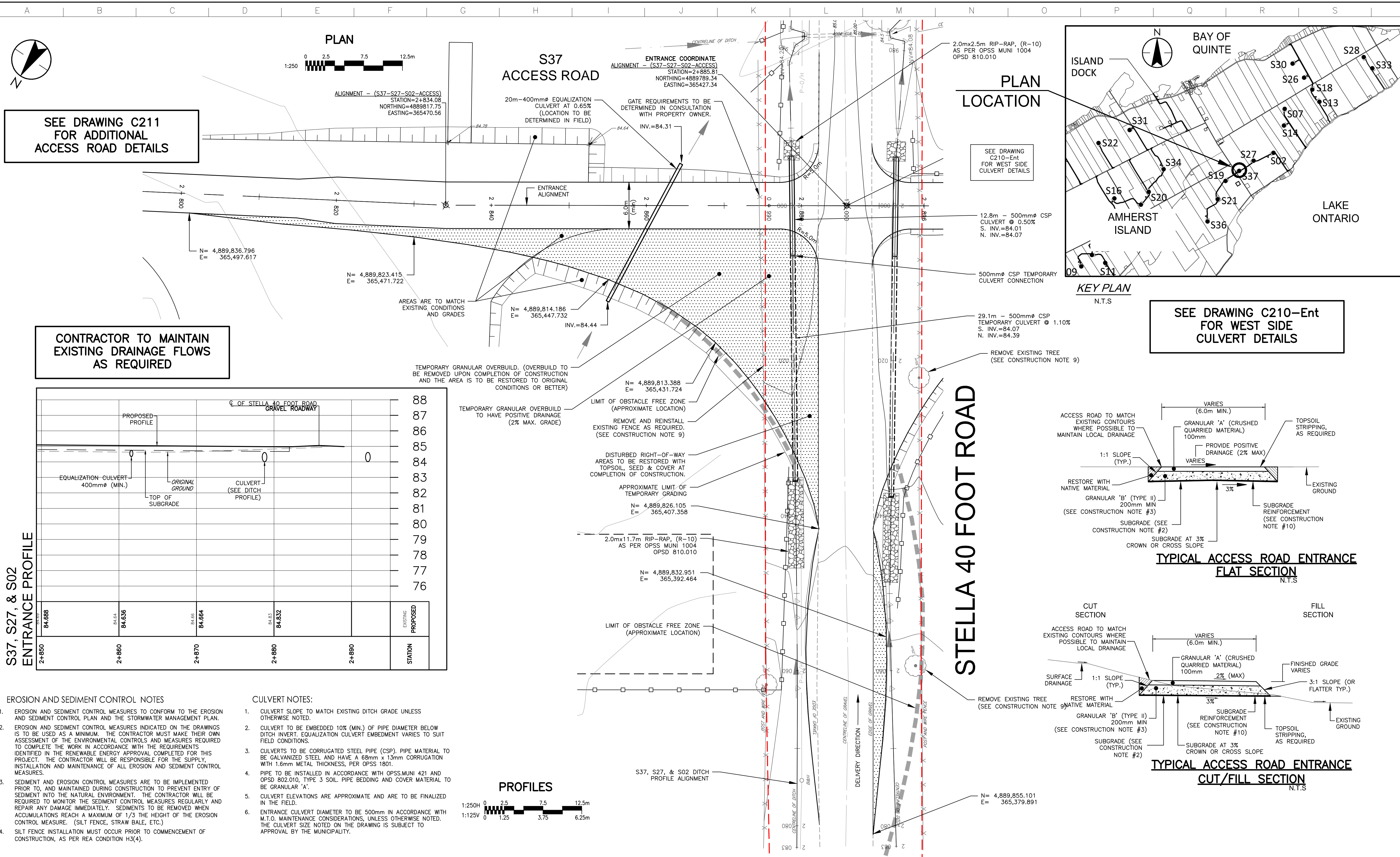
Revision	By	Appd.	YY.MM.DD		
A	PCS SUBMISSION	RCL	MPG	17.08.16	
		RCL	MPG	17.08.15	
		Dwn.	Chkd.	Dign.	YY.MM.DD

Permit-Seal

Client/Project  
**PENNECON** HEAVY CIVIL  
AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

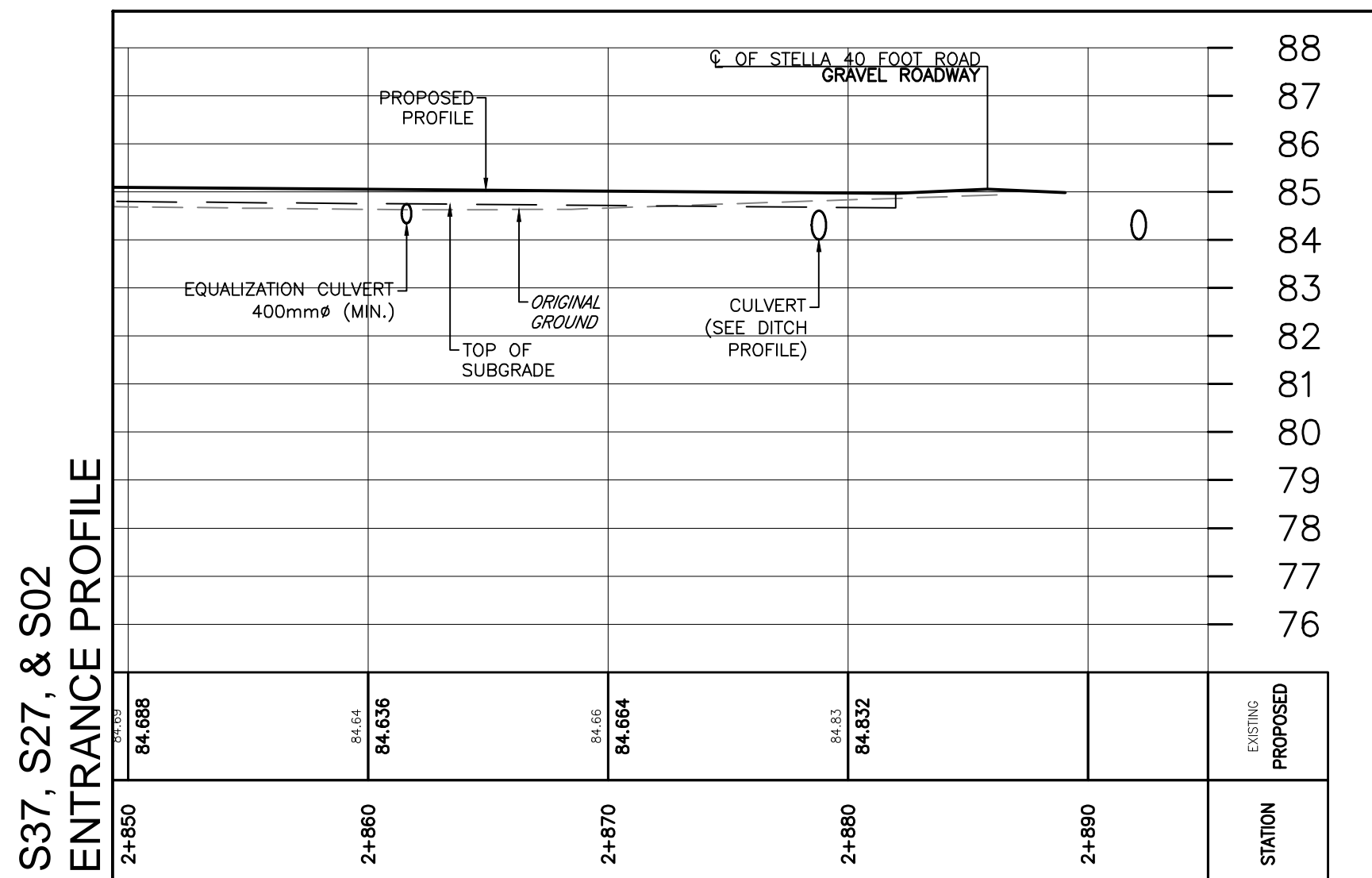
Title  
**TEMPORARY ENTRANCE LAYOUT  
STELLA 40 FOOT ROAD  
ENTRANCE FOR TURBINES S02 S27, & S37**

Project No. 133560100  
Scale 1:250H 0 2.5 7.5 12.5m  
1:125V 0 1.25 3.75 6.25m  
Drawing No. Sheet Revision



SEE DRAWING C211 FOR ADDITIONAL ACCESS ROAD DETAILS

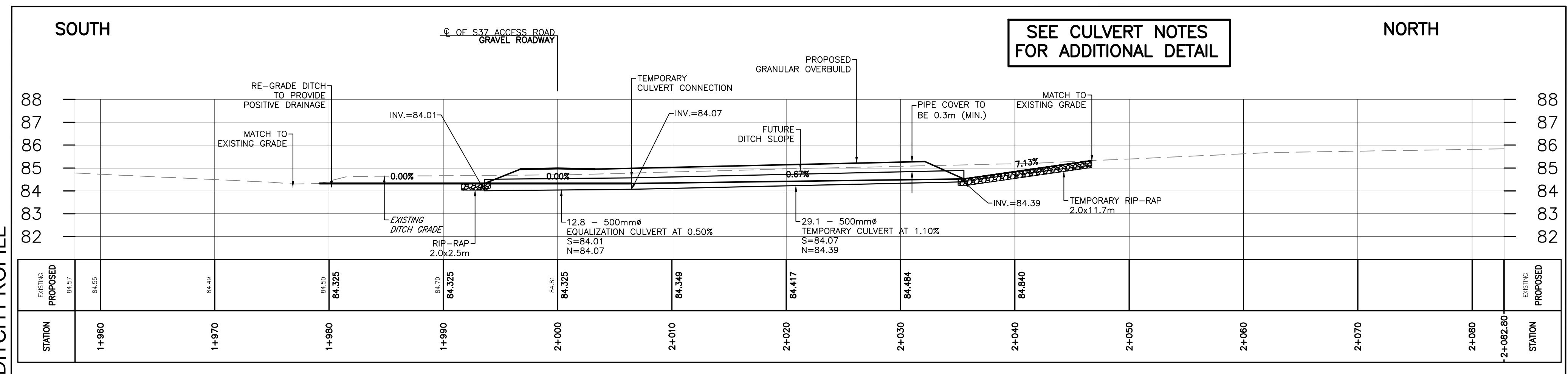
CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED



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  - SILT FENCE INSTALLATION MUST OCCUR PRIOR TO COMMENCEMENT OF CONSTRUCTION, AS PER REA CONDITION H3(4).

- CULVERT NOTES:**
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SEE CULVERT NOTES FOR ADDITIONAL DETAIL

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Legend

- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

A	PCS SUBMISSION	RCL	MPG	17.08.16
Revision	By	Appd.	YY.MM.DD	

File Name:	PCS-C212-13356100-Ent.dwg	RCL	MPG	RCL	17.08.15
		Dwn.	Chkd.	Dgn.	YY.MM.DD

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Client/Project

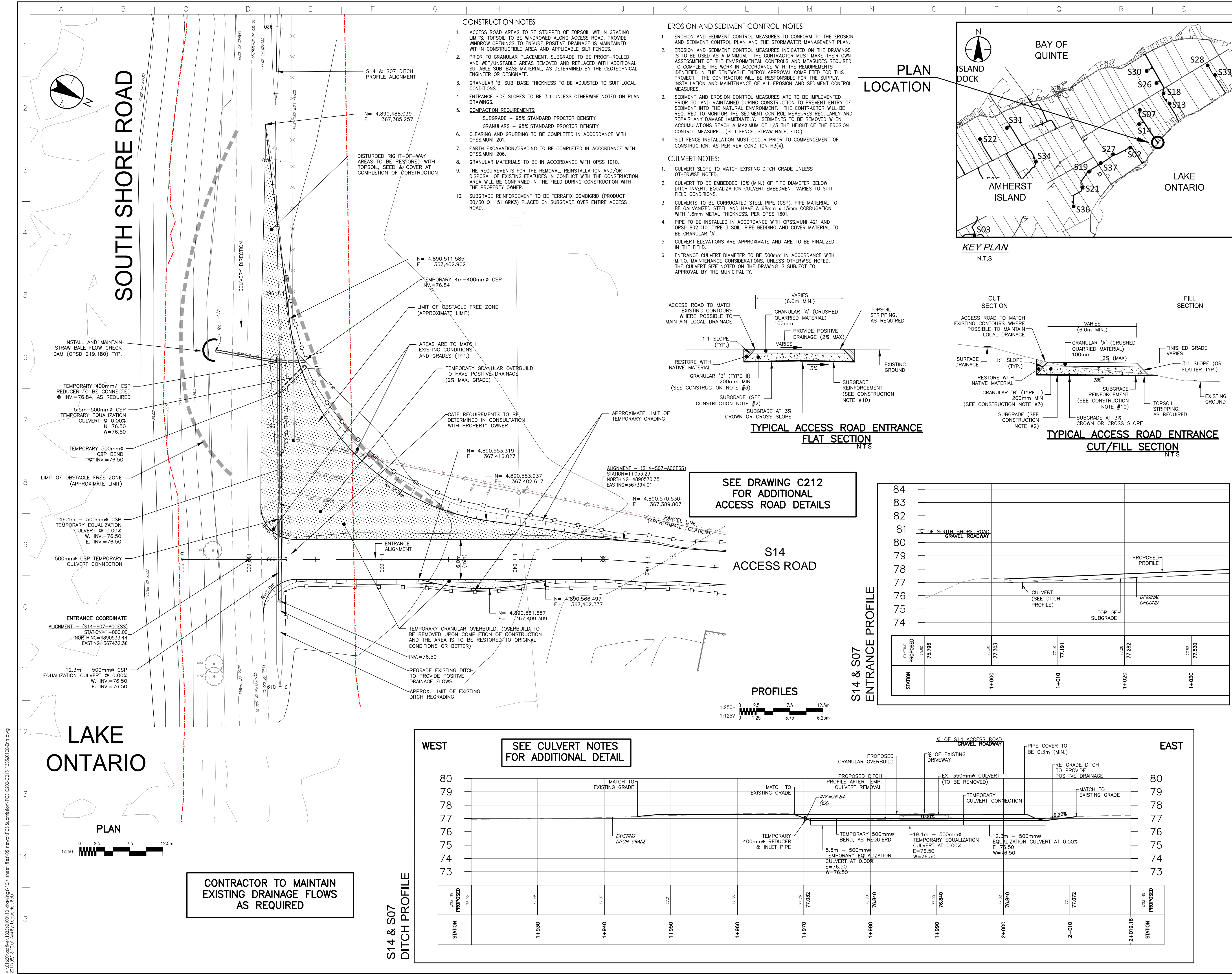


AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

Title

TEMPORARY ENTRANCE LAYOUT  
SOUTH SHORE ROAD  
ENTRANCE FOR TURBINES S07, & S14

Project No.	13356100	Scale	1:250H 1:125V
Drawing No.	Sheet	Revision	



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Legend

- EXISTING OVERLAND FLOW/DITCH DIRECTION
- PROPOSED DITCH FLOW
- EXISTING GROUND CONTOURS (AS PER NOTE 4 ABOVE)
- EXISTING GROUND CONTOURS (FROM LIDAR MAPPING)
- ROAD ALLOWANCE
- PROPOSED SILT FENCING
- TEMPORARY OVERBUILD AREA

Revision	By	Appd.	YY.MM.DD
A	PCS SUBMISSION	RCL	MPG
		RCL	17.08.16

Revision	By	Appd.	YY.MM.DD

File Name:	PCS C215_133560100-Ent.dwg	RCL	MPG	RCL	17.08.15
		Dwn.	Chkd.	Dign.	YY.MM.DD

Permit-Seal

Client/Project

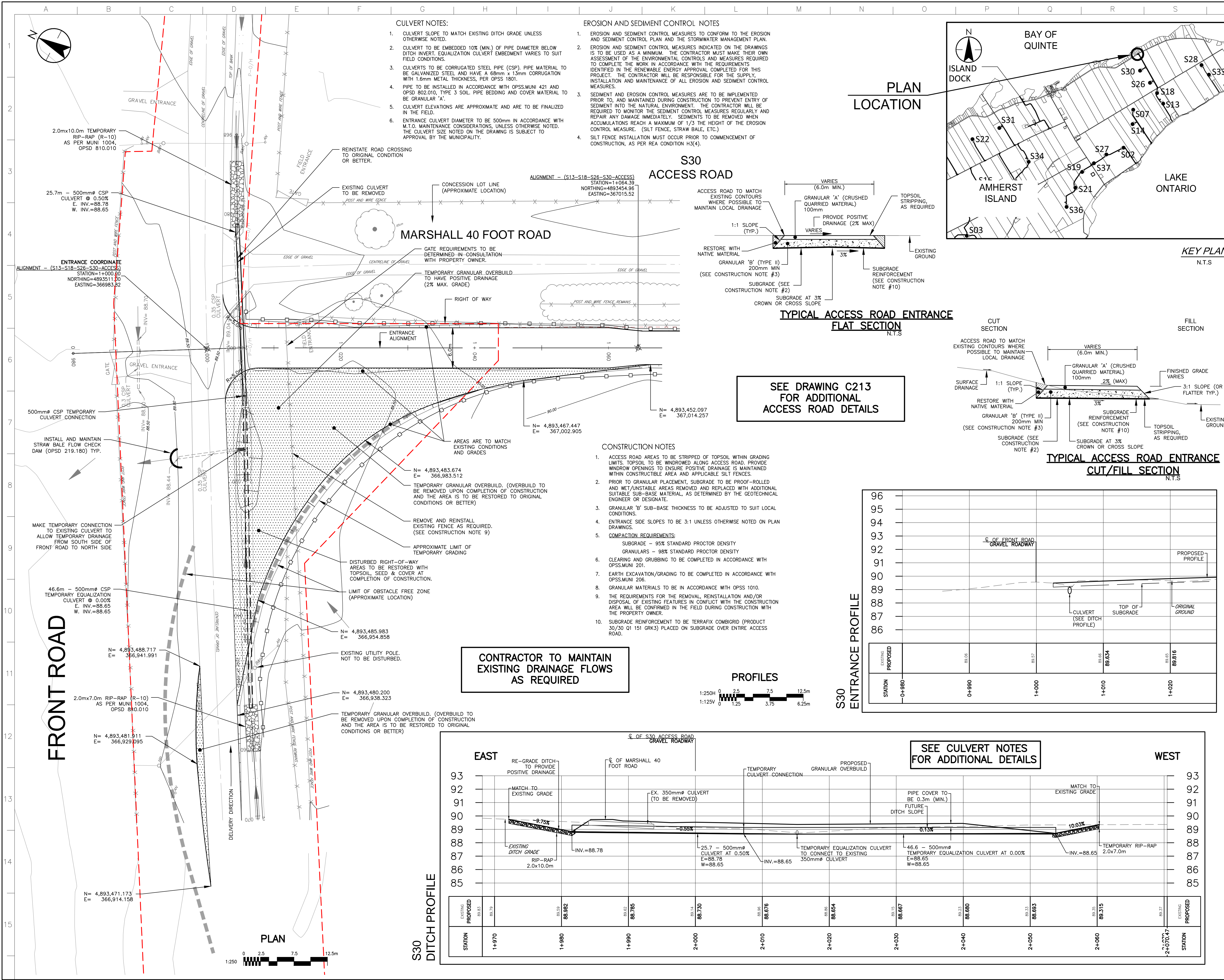


AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

Title

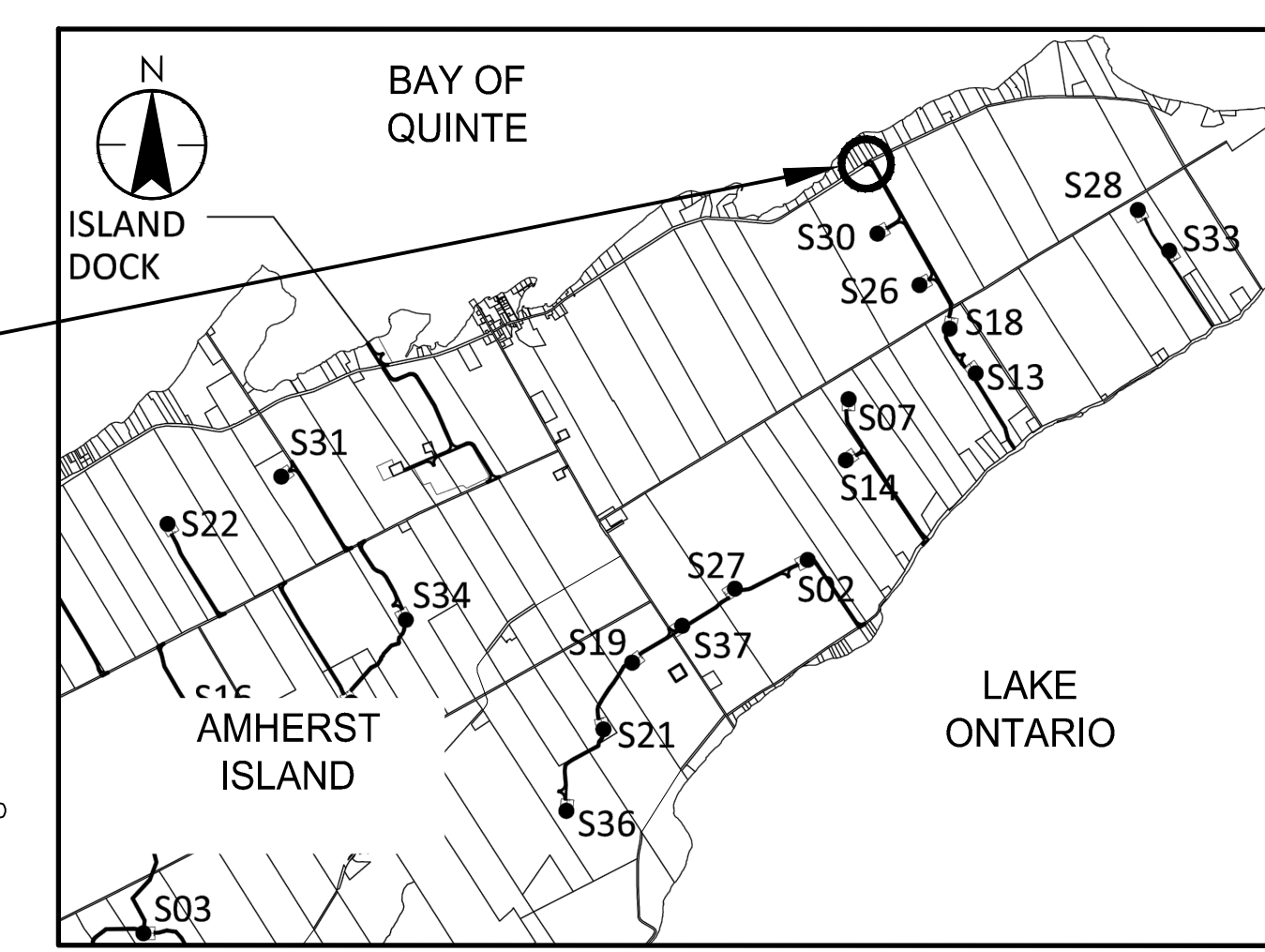
TEMPORARY ENTRANCE LAYOUT  
FRONT ROAD  
ENTRANCE FOR TURBINES S30, S26, S18, & S13

Project No.	Scale
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Drawing No.	Sheet
	Revision

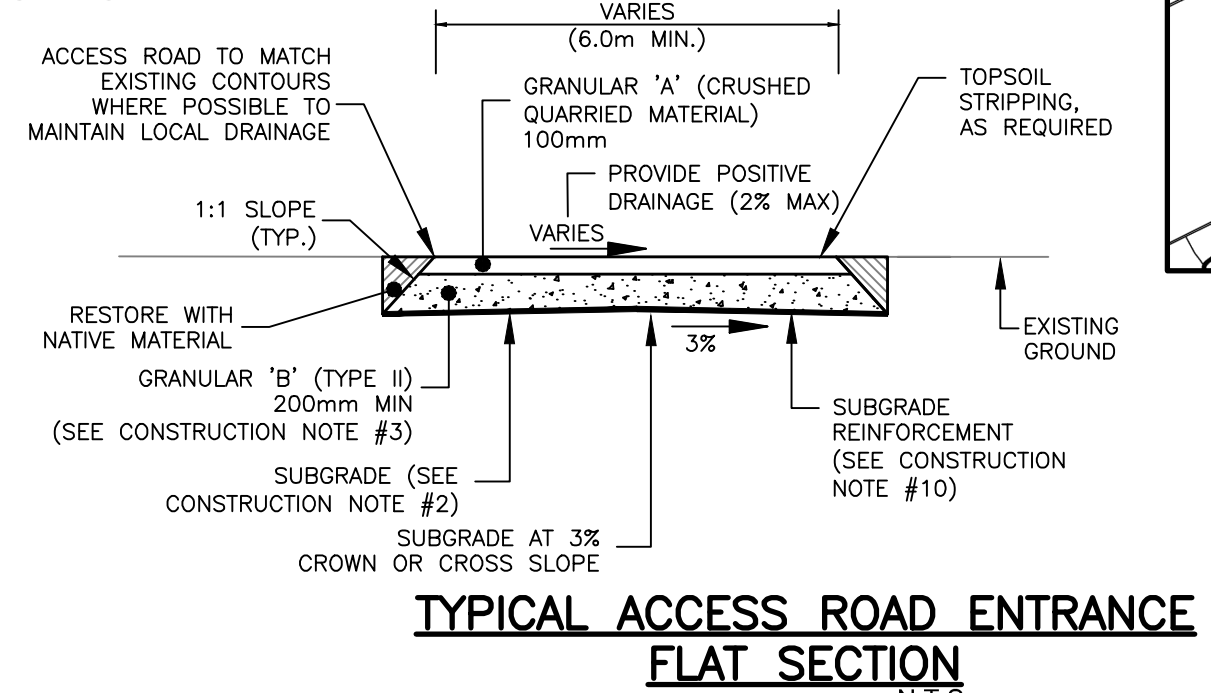


- CULVERT NOTES:**
- CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
  - CULVERT TO BE EMBEDDED 10% (MIN.) OF PIPE DIAMETER BELOW DITCH INVERT. EQUALIZATION CULVERT EMBEDMENT VARIES TO SUIT FIELD CONDITIONS.
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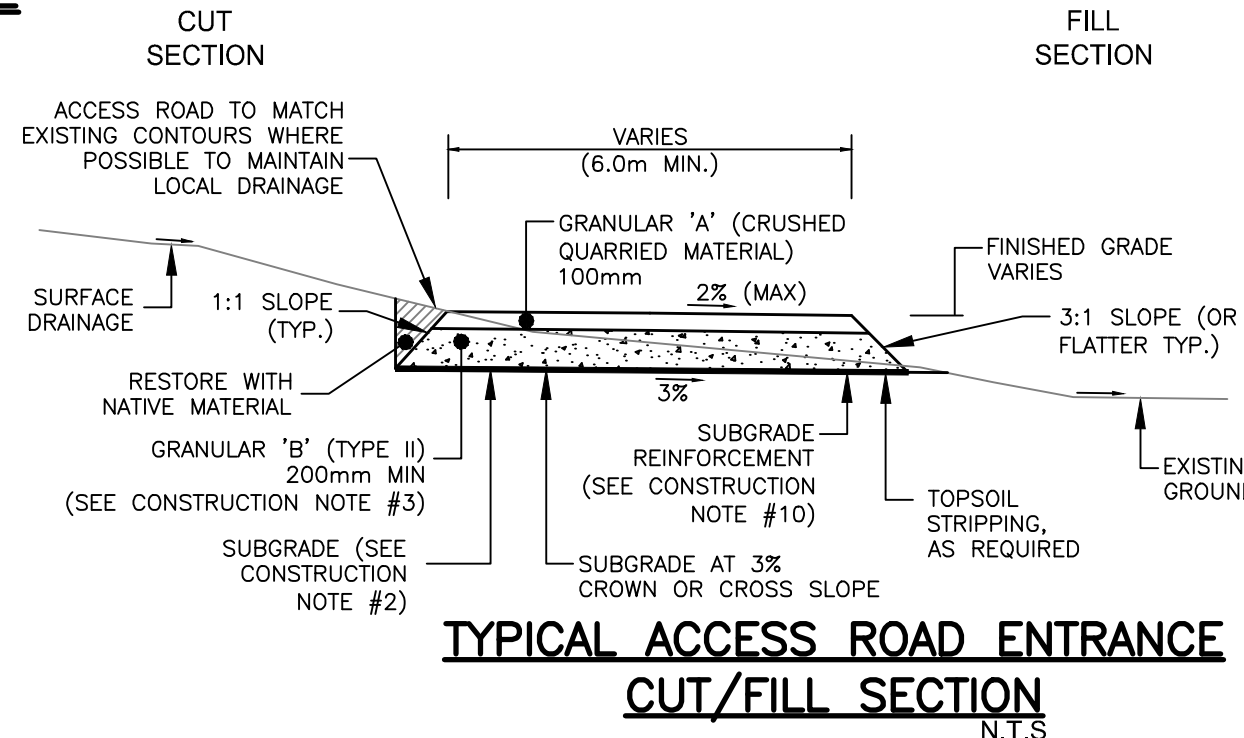


**S30 ACCESS ROAD**



TYPICAL ACCESS ROAD ENTRANCE FLAT SECTION N.T.S.

SEE DRAWING C213 FOR ADDITIONAL ACCESS ROAD DETAILS



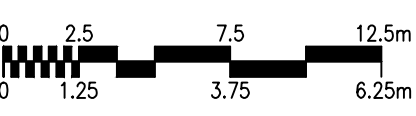
TYPICAL ACCESS ROAD ENTRANCE CUT/FILL SECTION N.T.S.

**CONSTRUCTION NOTES**

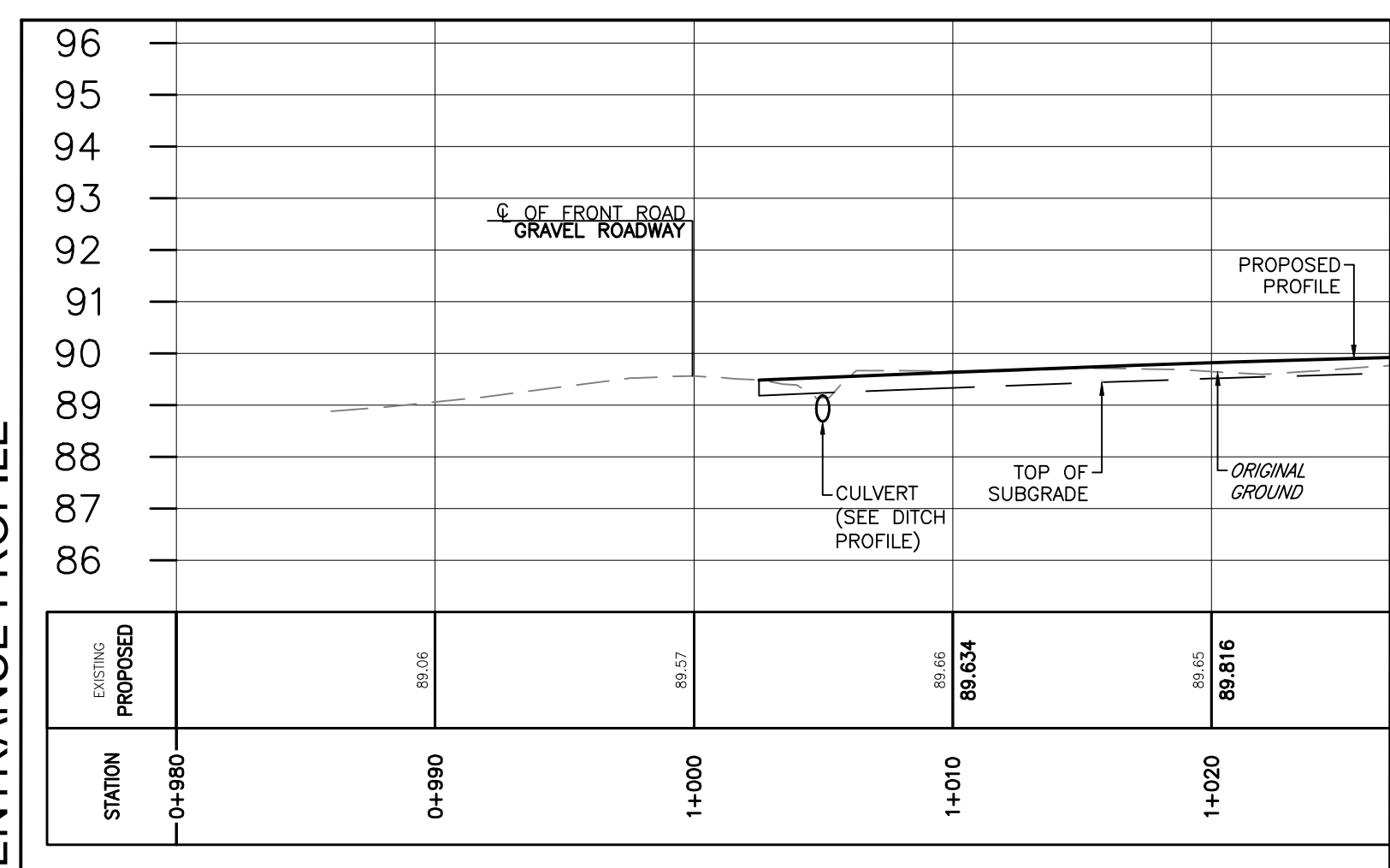
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CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED

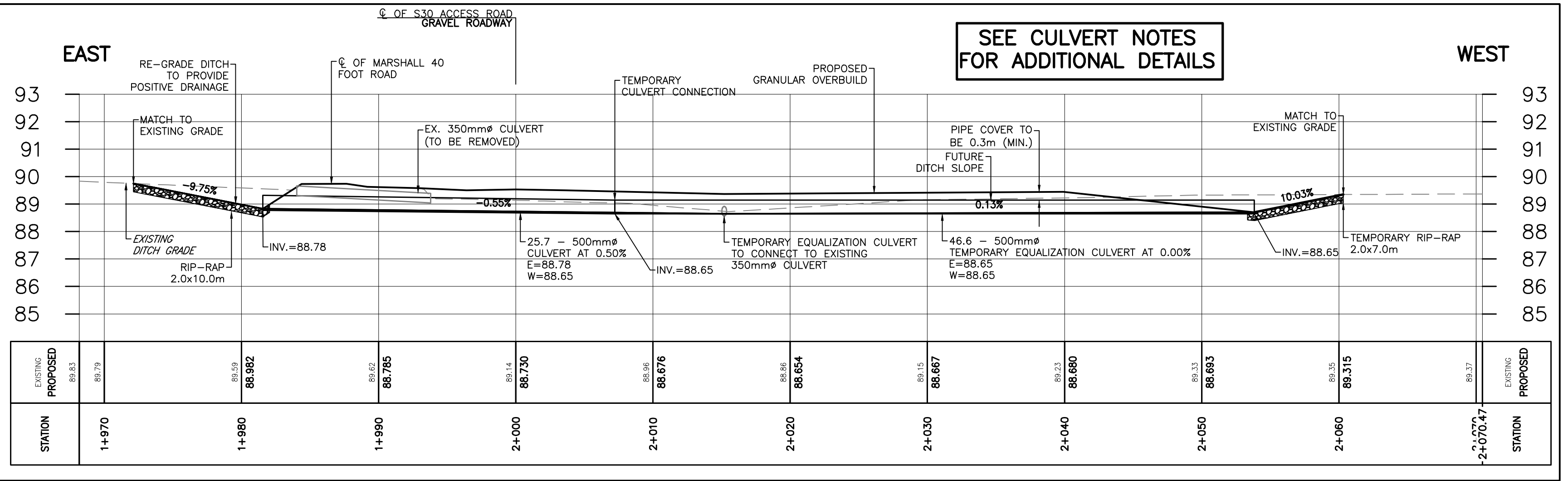
**PROFILES**



**S30 ENTRANCE PROFILE**



**S30 DITCH PROFILE**



SEE CULVERT NOTES FOR ADDITIONAL DETAILS

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Revision	By	Appd.	YY.MM.DD	
A	PCS SUBMISSION	RCL	MPG	17.08.16

File Name:	PCS C200-C215_133560100-Ent.dwg	RCL	MPG	RCL	17.08.15
Revision		Dwn.	Chkd.	Dign.	YY.MM.DD

Permit-Seal

Client/Project



AMHERST ISLAND WIND PROJECT  
75MW WIND FARM  
Amherst Island, Loyalist Township, Ontario

Title

TEMPORARY ENTRANCE LAYOUT  
SOUTH SHORE ROAD  
ENTRANCE FOR TURBINE S33 & S28

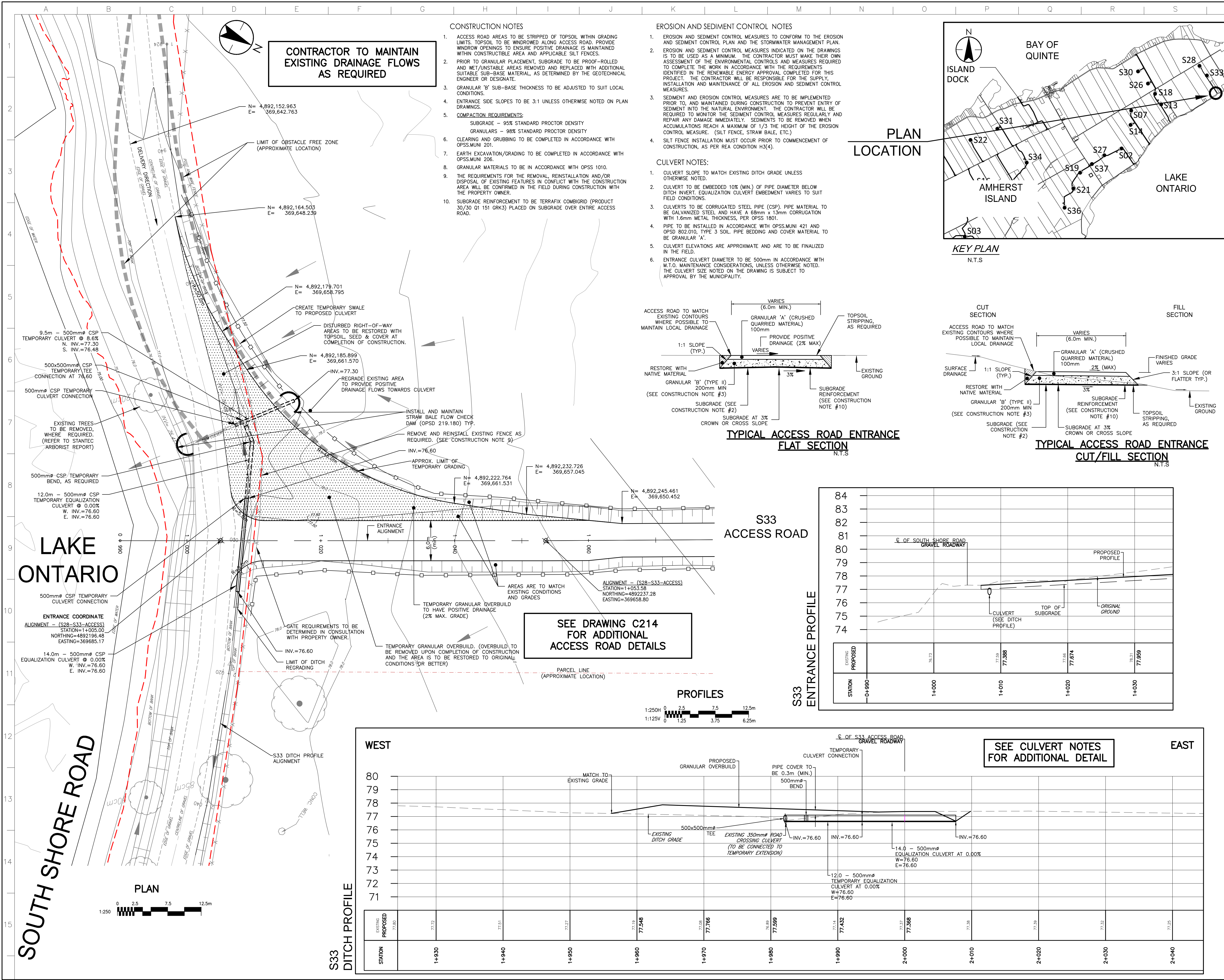
Project No.  
133560100

Scale  
1:250H 0 2.5 7.5 12.5m  
1:125V 0 1.25 3.75 6.25m

Drawing No.

Sheet

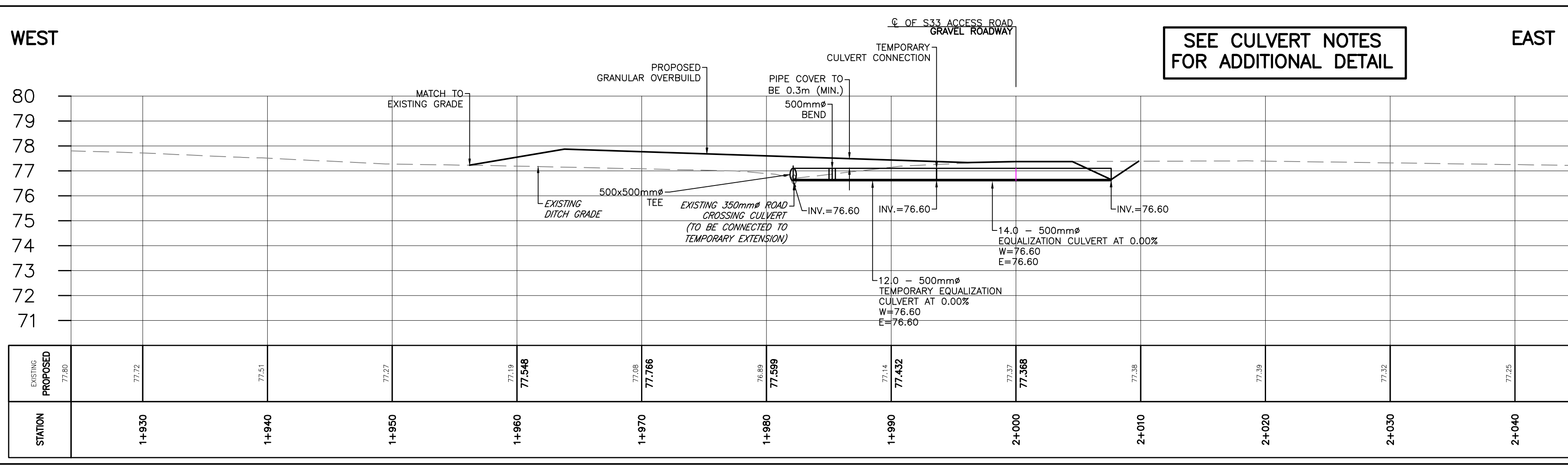
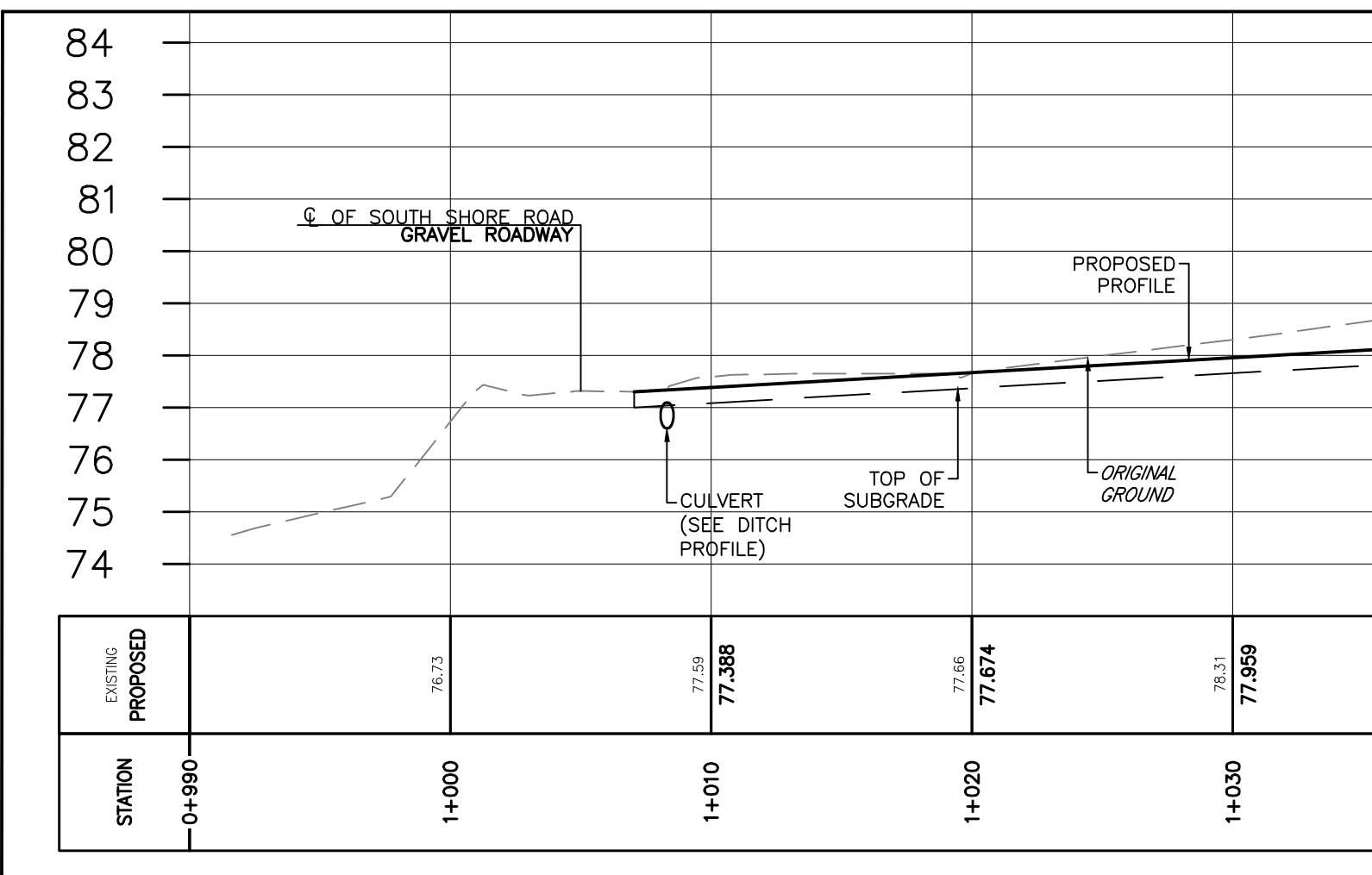
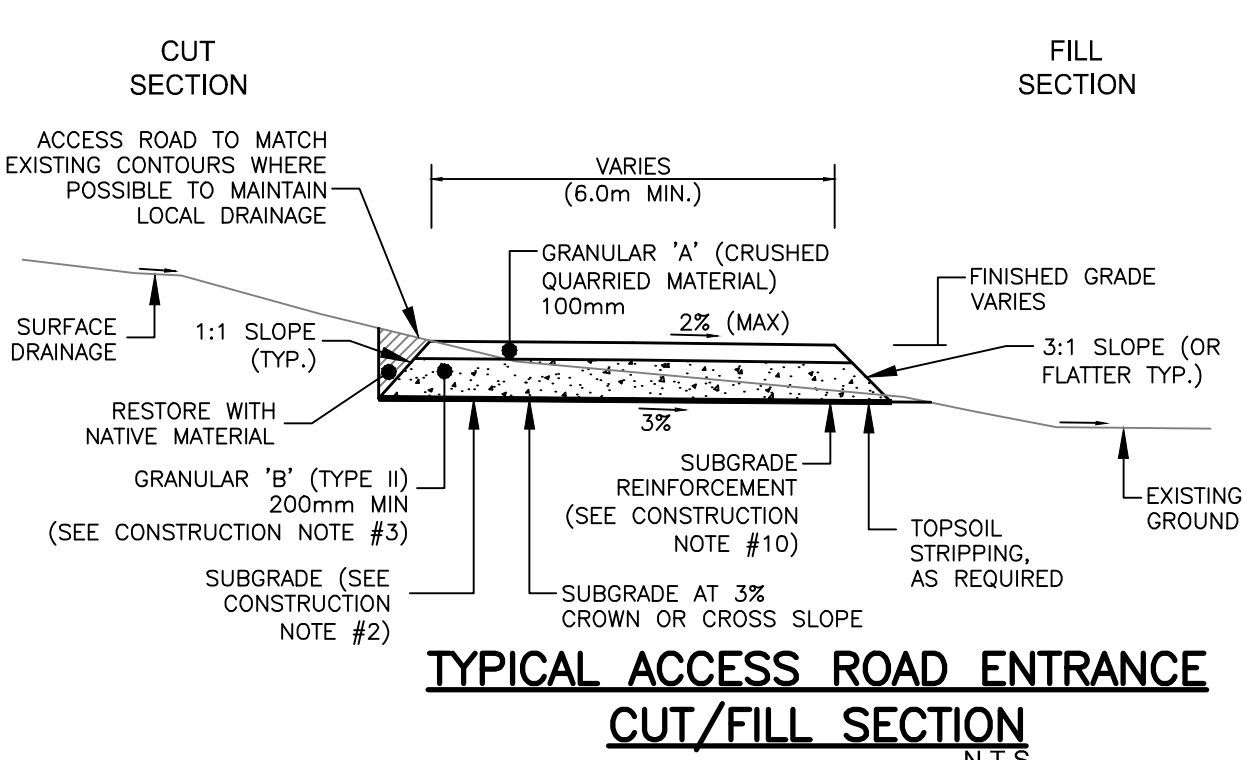
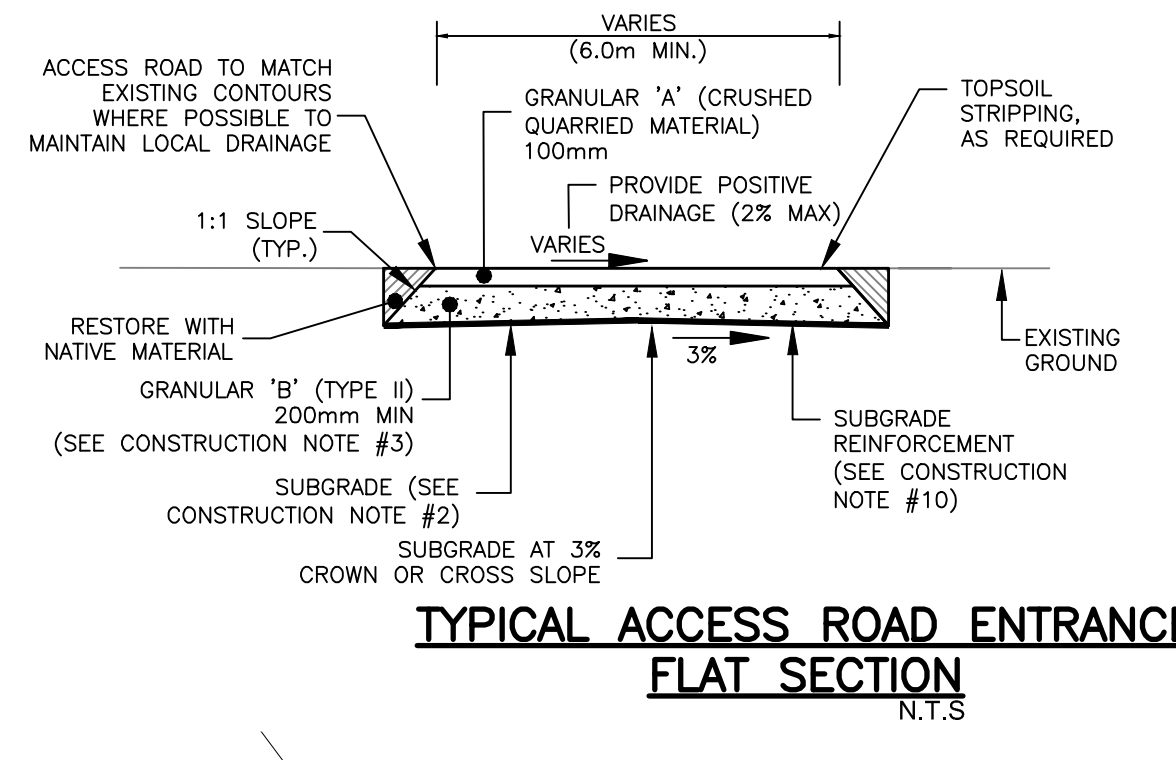
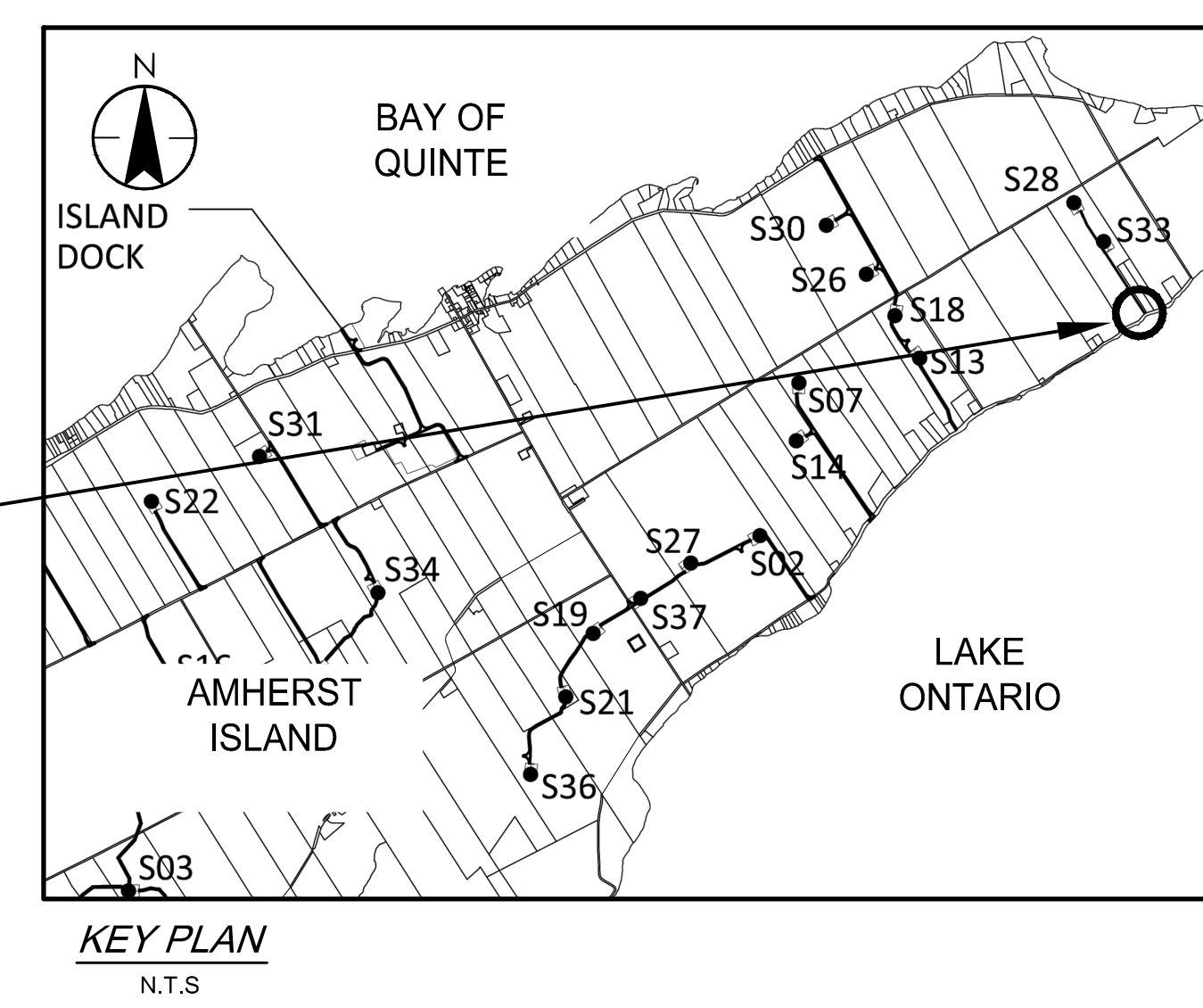
Revision



**CONTRACTOR TO MAINTAIN EXISTING DRAINAGE FLOWS AS REQUIRED**

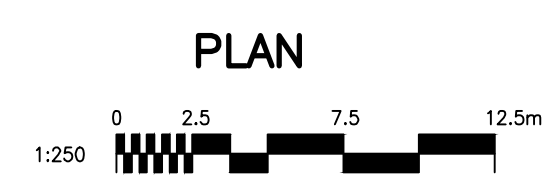
- CONSTRUCTION NOTES**
- ACCESS ROAD AREAS TO BE STRIPPED OF TOPSOIL WITHIN GRADING LIMITS. TOPSOIL TO BE WINDROWED ALONG ACCESS ROAD. PROVIDE WINDROW OPENINGS TO ENSURE POSITIVE DRAINAGE IS MAINTAINED WITHIN CONSTRUCTIBLE AREA AND APPLICABLE SILT FENCES.
  - PRIOR TO GRANULAR PLACEMENT, SUBGRADE TO BE PROOF-ROLLED AND KEY/JUSTABLE AREAS REMOVED AND REPLACED WITH ADDITIONAL SUITABLE SUB-BASE MATERIAL, AS DETERMINED BY THE GEOTECHNICAL ENGINEER OR DESIGNATE.
  - GRANULAR 'B' SUB-BASE THICKNESS TO BE ADJUSTED TO SUIT LOCAL CONDITIONS.
  - ENTRANCE SIDE SLOPES TO BE 3:1 UNLESS OTHERWISE NOTED ON PLAN DRAWINGS.
  - COMPACTION REQUIREMENTS:**  
SUBGRADE - 95% STANDARD PROCTOR DENSITY  
GRANULARS - 98% STANDARD PROCTOR DENSITY
  - CLEARING AND GRUBBING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 201.
  - EARTH EXCAVATION/GRADING TO BE COMPLETED IN ACCORDANCE WITH OPSS.MUNI 206.
  - GRANULAR MATERIALS TO BE IN ACCORDANCE WITH OPSS 1010.
  - THE REQUIREMENTS FOR THE REMOVAL, REINSTALLATION AND/OR DISPOSAL OF EXISTING FEATURES IN CONFLICT WITH THE CONSTRUCTION AREA WILL BE CONFIRMED IN THE FIELD DURING CONSTRUCTION WITH THE PROPERTY OWNER.
  - SUBGRADE REINFORCEMENT TO BE TERRAFIX COMBGRID (PRODUCT 30/30 Q1 151 GRK3) PLACED ON SUBGRADE OVER ENTIRE ACCESS ROAD.

- EROSION AND SEDIMENT CONTROL NOTES**
- EROSION AND SEDIMENT CONTROL MEASURES TO CONFORM TO THE EROSION AND SEDIMENT CONTROL PLAN AND THE STORMWATER MANAGEMENT PLAN.
  - EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE DRAWINGS IS TO BE USED AS A MINIMUM. THE CONTRACTOR MUST MAKE THEIR OWN ASSESSMENT OF THE ENVIRONMENTAL CONTROLS AND MEASURES REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE REQUIREMENTS IDENTIFIED IN THE RENEWABLE ENERGY APPROVAL COMPLETED FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY, INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
  - SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION TO PREVENT ENTRY OF SEDIMENT INTO THE NATURAL ENVIRONMENT. THE CONTRACTOR WILL BE REQUIRED TO MONITOR THE SEDIMENT CONTROL MEASURES REGULARLY AND REPAIR ANY DAMAGE IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE EROSION CONTROL MEASURE. (SILT FENCE, STRAW BALE, ETC.)
  - SILT FENCE INSTALLATION MUST OCCUR PRIOR TO COMMENCEMENT OF CONSTRUCTION, AS PER REA CONDITION H3(4).
- CULVERT NOTES:**
- CULVERT SLOPE TO MATCH EXISTING DITCH GRADE UNLESS OTHERWISE NOTED.
  - CULVERT TO BE EMBEDDED 108 (MIN.) OF PIPE DIAMETER BELOW DITCH INVERT. EQUALIZATION CULVERT EMBEDMENT VARIES TO SUIT FIELD CONDITIONS.
  - CULVERTS TO BE CORRUGATED STEEL PIPE (CSP). PIPE MATERIAL TO BE GALVANIZED STEEL AND HAVE A 68mm x 13mm CORRUGATION WITH 1.6mm METAL THICKNESS, PER OPSS 1901.
  - PIPE TO BE INSTALLED IN ACCORDANCE WITH OPSS.MUNI 421 AND OPSS 802.010, TYPE 3 SOIL. PIPE BEDDING AND COVER MATERIAL TO BE GRANULAR 'A'.
  - CULVERT ELEVATIONS ARE APPROXIMATE AND ARE TO BE FINALIZED IN THE FIELD.
  - ENTRANCE CULVERT DIAMETER TO BE 500mm IN ACCORDANCE WITH M.T.O. MAINTENANCE CONSIDERATIONS, UNLESS OTHERWISE NOTED. THE CULVERT SIZE NOTED ON THE DRAWING IS SUBJECT TO APPROVAL BY THE MUNICIPALITY.



**LAKE ONTARIO**

**SOUTH SHORE ROAD**



S33 DITCH PROFILE

**SEE DRAWING C214 FOR ADDITIONAL ACCESS ROAD DETAILS**

**SEE CULVERT NOTES FOR ADDITIONAL DETAIL**

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