

*PROPOSED PERIMETER WALL CONSTRUCTION AT  
ETPS IN TH E VINCINITY OF SEA COWS BAY CHURCH*

*PREPARED BY: MINISTRY OF EDUCATION, YOUTH  
AFFAIRS AND SPORTS*

*DRAWING LIST*

*CIVIL*

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General Notes

## LOCATION AND SITE PLAN

No.	Revision/Issue	Date

Firm Name and Address

Project Name and Address

ETPS Perimeter Wall/ Project  
Sea Cows Bay  
NA  
NA

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As Noted

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STRUCTURAL NOTES FOR DRIVEWAY PAVEMENT :

1. CONCRETE SHALL HAVE A 28-DAY ULTIMATE COMPRESSIVE STRENGTH OF 4000PSI FOR RETAINING WALL No. 2 & 3
2. SLUMP OF CONCRETE SHALL NOT EXCEED 4".
3. REINFORCING SHALL CONFORM TO ASTM A615, GR60, UNLESS NOTED OTHERWISE ON SPECIFICATION AND DRAWINGS.
4. ALL REINFORCING SHALL BE SUPPORTED IN FORMS USING CONCRETE SPACERS OR STEEL CHAIRS, SPACED WITH NECESSARY ACCESORIES AND SHALL BE SECURELY WIRED TOGETHER IN ACCORDANCE WITH CRSI MANUAL OF STANDARD PRACTICE (1989).
5. MINIMUM CONCRETE COVER, UNLESS NOTED OTHER WISE IS AS FOLLOWS:

• UNFORMED SURFACES EXPOSED TO THE EARTH AND WEATHER (NOTE THIS INCLUDES FOUNDATION SLABS, RETAINING WALL FOOTINGS AND DRAINAGE SLABS) MUST BE.....3 IN.

• FORMED SURFACES NOT EXPOSED TO EARTH AND WEATHER (NOTE THIS INCLUDES RETAINING WALLS, BEAMS, GIRDERS, COLUMNS, SLABS AND WALLS) MUST BE.....3 IN.
7. REINFORCING STEEL SHALL COMPLY WITH REQUIRMENT OF ASTM A615 AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000PSI.
8. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE.

TENSION SPLICES (INCHES)      COMPRESSION SPLICES (INCHES)

BAR SIZE	TOP BARS B	OTHER BARS B
#3	16	16
#4	22	22
#5	27	27
#6	35	35
#7	48	48
#8	63	63
#9	80	80
#10	101	101
#11	124	124

9. ALL SLABS INCLUDING RETAINING WALLS FOOTINGS, WALLS AND BEAMS SHALL BE POURED MONOLITHICALLY.
10. ALL CONCRETE MUST BE VIBRATED TO ELIMINATE AIR POCKETS AND VOIDS.

BACKFILLING SPECIFICATIONS:

1. ALL DRAINAGE AND RETAINING WALLS MUST BE BACK FILLED WITH GRANULAR MATERIAL WITH A UNIT WEIGHT NO GREATER THAN 130 LBS/CFT UNLESS NOTED OTHER WISE.
2. ALL ORGANIC MATERIAL MUST BE REMOVED FROM FILL BEFORE UTILIZATION.
3. ALL BACKFILL MATERIAL MUST BE COMPACTED IN 1FT LAYERS UTILIZING THE COMBINATION OF WATER AND A WACKERPLATE.
4. NO ROLLER GREATER THAN 500 LBS SHALL BE USED TO COMPACTE THE FILL UNLESS IT IS SPECIFIED ON THE DRAWING OR INSTRUCTED BY THE ENGINEER OR CONSTRUCTION MANAGER ON SITE.
5. WHERE HEAVY EQUIPMENT IS USED IN BACKFILLING WALLS DESIGNED TO RESIST EARTH PRESSURE ONLY, SUCH EQUIPMENT SHALL NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HIGHT OF THE WALL. CARE SHALL ALSO BE TAKEN TO AVOID EXERTING LARGE IMPACT FORCES ON THE WALL AS CAUSED BY LARGE MASS OF MOVING FILL.

General Notes

STRUCTURAL AND SAFETLY NOTES

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**SAFETY REQUIREMENTS:**

- 1. CONTRACTOR SHALL INSURE SAFETY OF THE WORKMEN AT ALL TIMES DURING THE CONSTRUCTION PERIOD
- 2. AND IS RESPONSIBLE SOLELY FOR SAID SAFETY.
- 3. CONTRACTOR SHALL BE RESPOSIBLE FOR TRAFFIC CONTROL.
- 4. CONSTRUCTION SITE SHALL BE PROPERLY DEMARCATED USING CONES, REFLECTORS, CAUTION TAPE AND WHERE NECESSARY PROTECTIVE BARRIERS (ie. GALVANIZE FENCING, WOODEN FENCING, ROCK BARRIER..... ETC.).
- 5. CONTRACTOR MUST GIVE 1 WEEK NOTICE TO THE ENIGNEER OR CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH ANY WORKS THAT WILL BE CARRIED OUT AT NIGHT.
- 6. CONTRACTOR CARRYING OUT WORKS AT NIGHT MUST PROVIDE SUFFICIENT LIGHTING AND CAUTION
- 7. LIGHTING TO DEMARCATE THE CONSTRUCTION ZONE.
- 8. CONTRACTOR IS TO CONTACT THE ENGINEER OR CONSTRUCTION MANAGER IMMEDIATELY IF ANY UTILITIES (ie. WATER LINES, ELECTRICAL LINES, SEWAGE LINES.....ETC.) ARE DAMAGED DURING CONSTRUCTION.
- 9. SITE SHALL BE CLEAN AFTER COMPLETION

**MISCELLANIOUS:**

- 1. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
- 2. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBERS AND STRUCTURE WITHOUT THE APPROVAL OF THE ENGINEER OR CONSTRUCTION MANAGER.
- 3. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS AND STRUCTURE SHALL BE MADE WITHOUT APPROVAL OF ENGINEER OR CONSTRUCTION MANAGER.
- 4. DO NOT SCALE THESE DRAWING, USE DIMENSIONS.
- 5. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON STRUCTURAL PLANS AGAINST THE DIMENSIONS ON ARCHITECTURAL PLANS BEFORE LAYING OUT THE WORK.
- 6. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION. IF ANY DISCREPANCY ARISES IN THE STRUCTURAL PLANS. THE ENGINEER OR CONSTRUCTION MANAGER SHALL BE NOTIFIED IMMEDIATELY.
- 7. IN CASE OF DOUBT IN THE INTERPRETATION OF ANY ASPECT OF THESE STRUCTURAL DRAWINGS THE ENGINEER OR CONSTRUCTION MANAGER SHALL BE CONSULTED.
- 8. THE CONTRACTOR SHALL INFORM THE ENGINEER OR CONSTRUCTION MANAGER IN WRITING OF ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE SUBMISSION OF SAID DOCUMENTATION IF THE DEVIATION WAS NOT APPROVED IN ADVANCE BY THE ENGINEER OR CONSTRUCTION MANAGER IWRTING.
- 9. PROGRAMME THE LAYING AND COMPACTION OF THE SUBBASE AND THE SUBSEQUENT PAVEMENT COURSES AND TAKE SUCH OTHER
- 10. STEPS AS MAY BE CONSIDERED NECESSARY, TO AFFORD PROTECTION TO THE BASE, SUBBASE AND SUBGRAD

General Notes

SAFETY REQUIREMENTS AND MISCELLANEOUS

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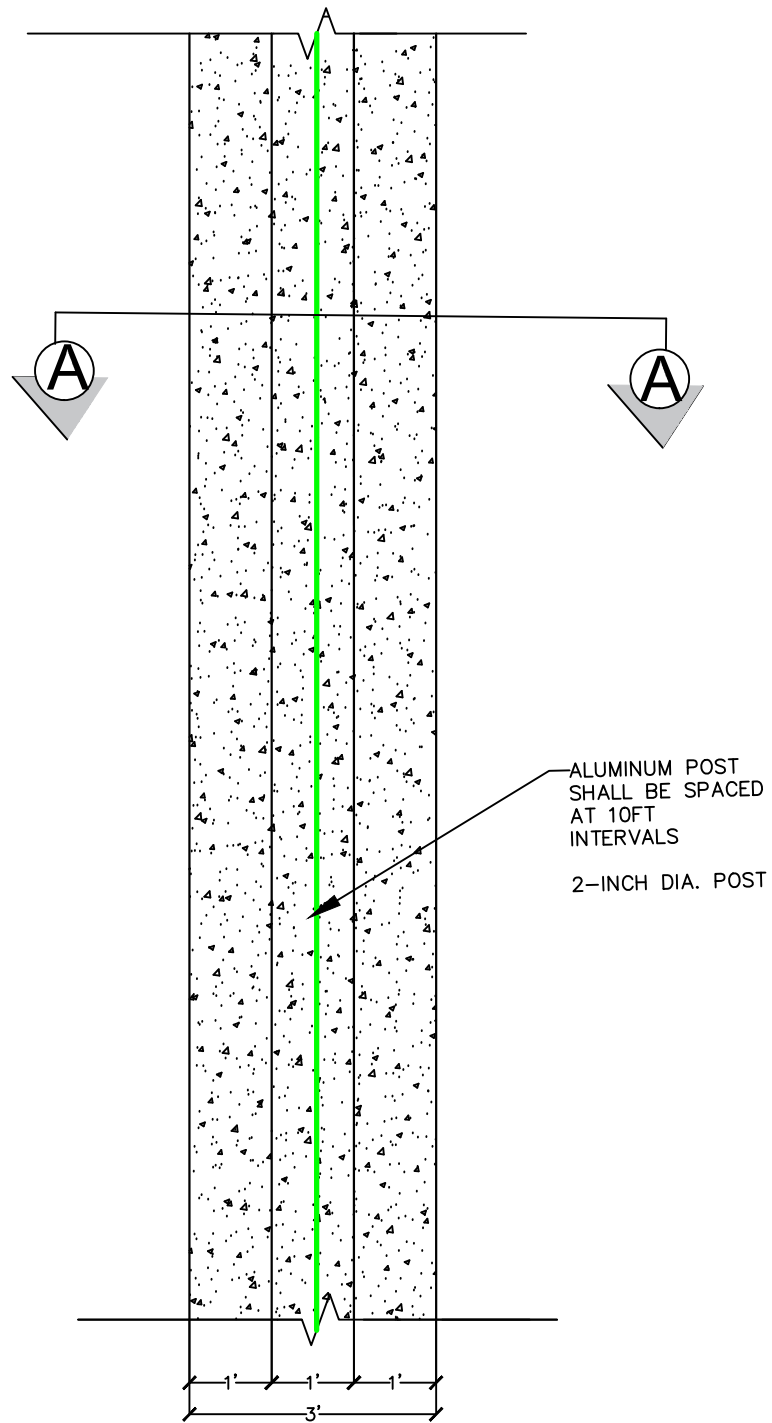
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PLAN VIEW - PERIMETER WALL

SPECIFIC NOTE:

- 1. Earthworks to be carried out between exiting boundaries
- 2. Shape and compact existing subgrade
- 3. All concrete place SHALL be vibrated
- 4. Maximum Slump of PC Concrete to be 4 inches
- 5. PC concrete Shall not be less than 3000 PSI compression Strength at 28 Days
- 6. Backfill Road edge and clean site after all construction work
- 7. Surface drainage shall have a depth of 1 in
- 8. Total length of the WALL shall be 115 feet

General Notes

PLAN VIEW SECTION

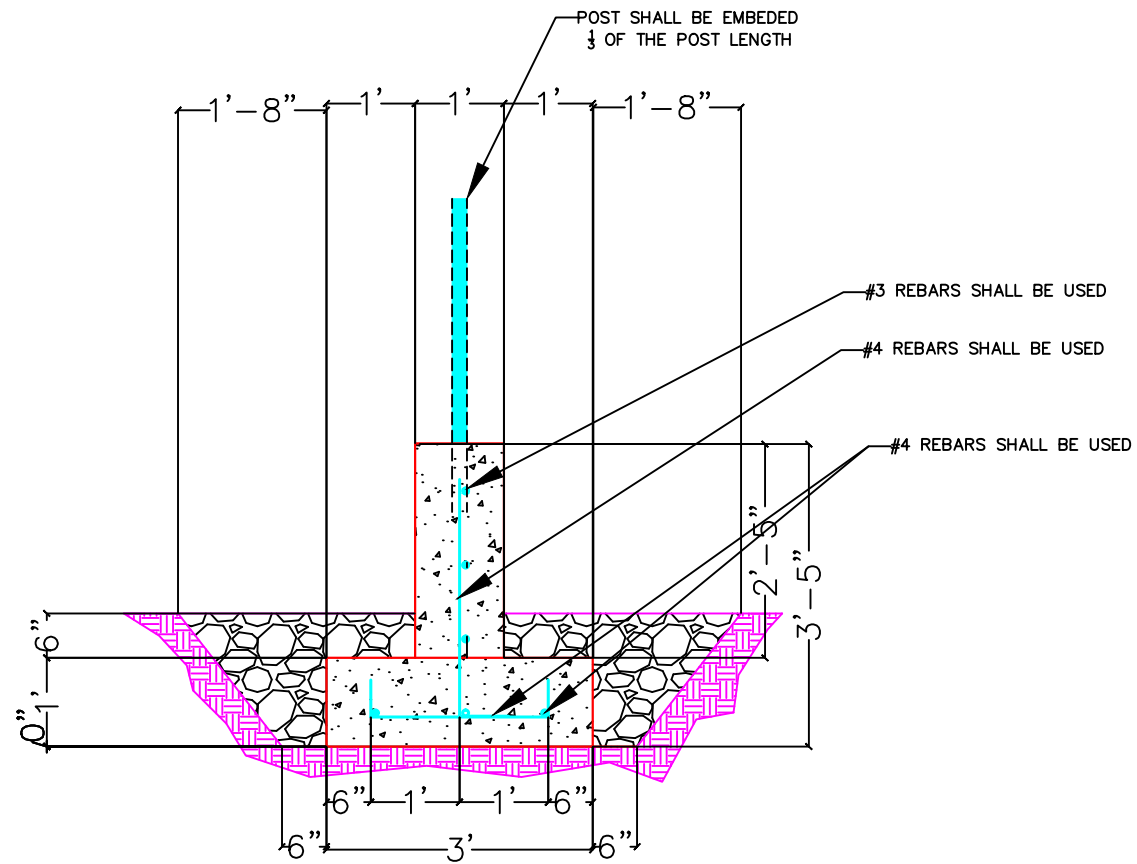
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CROSS SECTION A-A - PERIMETER WALL

SPECIFIC NOTE:

1. Earthworks to be carried out between exiting boundaries
2. Shape and compact existing subgrade accommodate wall foundation
3. All concrete place shall be vibrated
4. Maximum slump of PC Concrete to be 4 inches
5. PC concrete Shall not be less than 3000 PSI compression Strength at 28 Days
6. site shall be backfill according to dimension on drawings
7. Total length of the WALL shall be 115 feet
8. The wall footing shall be placed on well compacted material with a CBr value of greater than 3%

General Notes

SECTION A-A DETAILS

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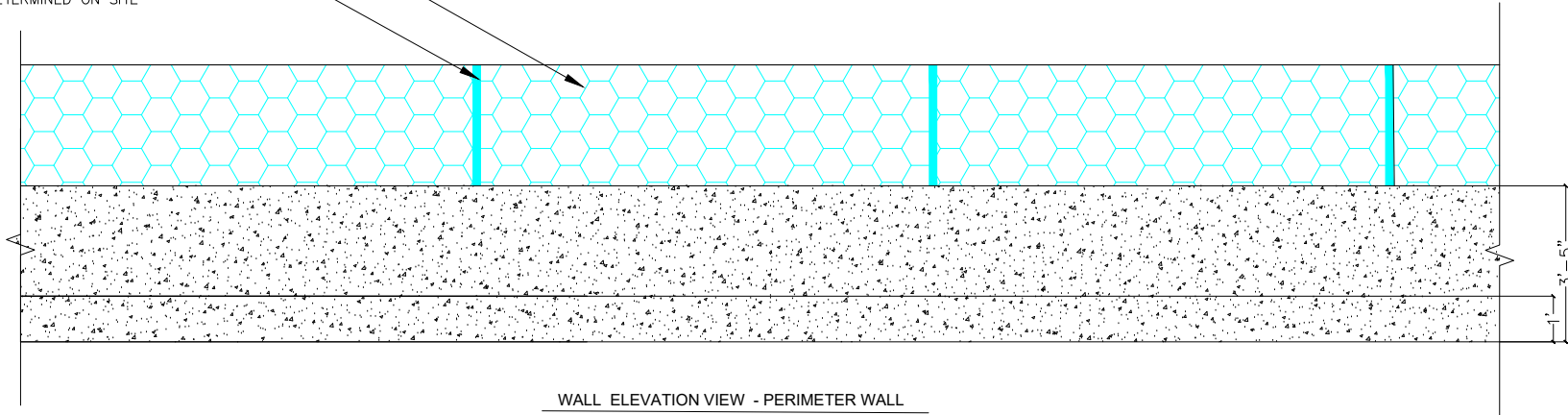
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FENCING SHALL BE OF HEAVY  
DUTY GRADE

POST DIA SHALL BE 2 INCHES AND SPACED  
AT 10FT INTERVAL  
HIGH SHALL BE DETERMINED ON SITE



SPECIFIC NOTE:

1. THE WALL SHALL EXTEND A 115 LINEAR FEET

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FRONT ELEVATION

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