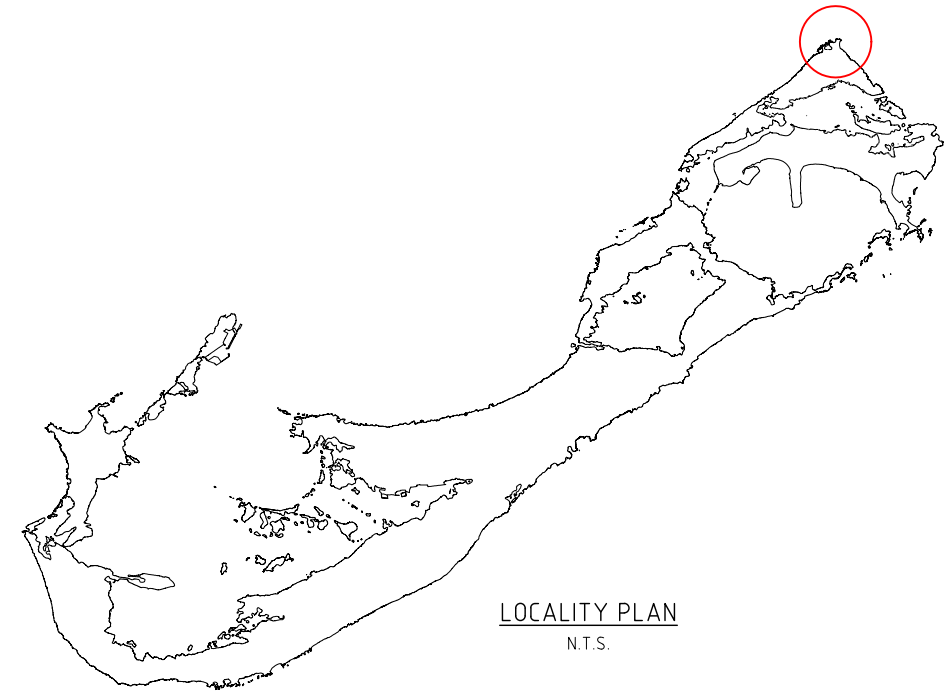


ACHILLES BAY PUBLIC STAIRS

ST GEORGE'S PARISH

61-71-201

- S101 TITLE SHEET & LOCATION PLAN
- S102 GENERAL NOTES
- S103 SITE PLAN
- S104 GENERAL ARRANGEMENT
- S110 PUBLIC ACCESS STAIRS - SHEET 1
- S111 PUBLIC ACCESS STAIRS - SHEET 2
- S120 BOUNDARY RETAINING WALL



LOCALITY PLAN
N.T.S.

THE MINISTRY OF
PUBLIC WORKS
P.O. Box HM525
Hamilton HMCX Bermuda
Phone: (441) 295-5151

DEPARTMENT OF
WORKS AND ENGINEERING
Fax: (441) 295-5658

- GENERAL NOTES:
1. SURVEY GRID IS BNG2000
 2. LEVELS ARE IN METERS ABOVE ORDINANCE DATUM
 - 3.



LOCATION PLAN
1:2000

ISSUED FOR: INFORMATION		
AMENDMENTS:		
NO:	REVISION	DATE:
A	FOR INFORMATION	31/10/24

SCALE: AS SHOWN AT ANSI D

SURVEY
PREPARED: - DATE: -

DESIGN
PREPARED: J.M.COLMET DATE: -
CHECKED: - DATE: -

DRAWING
PREPARED: A.KENNY DATE: 31/10/2024
CHECKED: - DATE: -

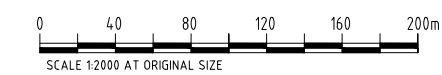
APPROVED BY:
A.KENNY

PROJECT NUMBER:
61-71-201

PROJECT NAME:
**ACHILLES BAY
PUBLIC STAIRS**

ACHILLES BAY
ST GEORGE'S PARISH
SHEET TITLE:
**TITLE SHEET &
LOCATION PLAN**

SHEET NUMBER: S101	REVISION A
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THE MINISTRY OF
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GENERAL NOTES:

1. SURVEY GRID IS BNG2000
2. LEVELS ARE IN METERS ABOVE ORDINANCE DATUM
- 3.

NOTES

0.0 GENERAL

0.1 HEALTH AND SAFETY IS THE PRIMARY CONSIDERATION AT ALL TIMES. ALL WORKS SHALL BE CONDUCTED IN ACCORDANCE WITH ALL RELEVANT HEALTH AND SAFETY CODES, ACTS AND REGULATIONS.

0.2 ALL WORKS, WORKMANSHIP, MATERIALS, QUALITY AND SPECIFICATIONS SHALL SATISFY THE REQUIREMENTS OF THE CURRENT BERMUDA RESIDENTIAL BUILDING CODE FOR CONSTRUCTION, UNLESS NOTED OTHERWISE.

0.3 B.R.B.C. ONLINE:

[HTTPS://PLANNING.GOV.BM/WP-CONTENT/UPLOADS/2018/11/BERMUDA-RESIDENTIAL-BUILDING-CODE-2014.PDF](https://planning.gov.bm/wp-content/uploads/2018/11/Bermuda-Residential-Building-Code-2014.pdf)

1.0 FOUNDATIONS

1.1 FOUNDATIONS ARE TO BEAR ON UNDISTURBED COMPACTED FILL OR BEDROCK. BEARING MATERIAL IS TO REMAIN UNDISTURBED AND BE REVIEWED BY THE ENGINEER PRIOR TO POURING CONCRETE.

1.2 ANY SOFT AREAS IN ROCK ARE TO BE REMOVED AND FILLED WITH 2,000 PSI CONCRETE.

1.3 STAIR SLAB THROAT TO BE 10" MINIMUM AND 12" THICK ON THE VERTICAL.

1.4 12" BLOCK WALL TO BE LAID ON A STEPPED FOOTING, CAST INTEGRAL WITH THE SLAB AND HAVING A LEVEL TOP SURFACE.

2.0 CONCRETE

2.1 ALL CONCRETE WORK IS TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

2.2 ALL CONCRETE TO HAVE A MINIMUM STRENGTH OF 3000 PSI @ 28 DAYS

2.3 CONCRETE COVER TO REINFORCING STEEL TO BE 3".

2.4 REINFORCING CHAIRS TO BE PLASTIC OR CONCRETE.

2.5 NO ADDITIVES TO BE USED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

3.0 REINFORCING STEEL

3.1 REINFORCING STEEL TO HAVE A MINIMUM YIELD STRENGTH OF 410 MPA, TYPE 2 DEFORMED TO BS4449.

3.2 REINFORCING STEEL TO BE GALVANISED.

3.3 COLD-SPRAY ZINC TO BE APPLIED (PER MANUFACTURERS INSTRUCTIONS) TO ALL FIELD CUTS AND BENDS.

4.0 INSPECTION AND TESTING

4.1 CONTRACTOR TO PROVIDE MINIMUM 24 HOURS NOTICE FOR THE INSPECTION OF ALL REINFORCING PRIOR TO POURING CONCRETE.

5.0 COMPACTION

5.1 GRANULAR BACKFILL MATERIAL SHALL BE COMPACTED TO 95% MPT @ OMC OR EQUIVALENT APPROVED.

ALTERNATIVELY, IN THE ABSENCE OF APPROPRIATE FACILITIES REQUIRED TO DETERMINE THE RELEVANT SOIL PROPERTIES AND OR COMPACTION PARAMETERS, THE FOLLOWING 'METHODS-BASED' APPROACH MAY BE USED:

ENSURE FILL MATERIAL HAS A WATER CONTENT OF 7% TO 10%, PLACE MATERIAL IN 6" LIFTS AND COMPACT TO 4".

6.0 TEMPORARY SHORING

6.1 ENSURE THAT THE EXCAVATED EMBANKMENT IS ADEQUATELY SHORED OR THAT THE EMBANKMENT IS SUFFICIENTLY SLOPED TO PREVENT COLLAPSE.

7.0 REINFORCEMENT LAP LENGTHS

7.1 MINIMUM ALLOWABLE LAP LENGTHS FOR REINFORCED CONCRETE CONSTRUCTION:

WWF, ONE SQUARE

3/8" (T10 MM) DIAMETER BAR, 18" (1'-6")

1/2" (T12 MM) DIAMETER BAR, 24" (2'-0")

5/8" (T16 MM) DIAMETER BAR, 30" (2'-6")

3/4" (T20 MM) DIAMETER BAR, 36" (3'-0")

7.2 MINIMUM ALLOWABLE LAP LENGTHS FOR MASONRY CONSTRUCTION:

WWF, ONE SQUARE

3/8" (T10 MM) DIAMETER BAR, 20" (1'-8")

1/2" (T12 MM) DIAMETER BAR, 24" (2'-0")

5/8" (T16 MM) DIAMETER BAR, 32" (2'-8")

3/4" (T20 MM) DIAMETER BAR, 40" (3'-4")

8.0 INFILL & BACKFILL

8.1 ANY CONCRETE INFILL BETWEEN THE WALL AND THE ROCK-CUT TO BE POURED IN 24" LIFTS MAX.

8.2 FILL MATERIAL BETWEEN THE STAIRWELL WALL AND THE ADJACENT SUBSTRATE SHOULD BE 3/8" STONE WITH FILTER CLOTH BETWEEN THE 5/8" STONE AND THE GRANULAR (SANDY SOIL) SUBSTRATE.

10.0 CONCRETE BLOCK

10.1 ALL EXPOSED FACES OF CONCRETE BLOCK TO RECEIVE PLASTER FINISH.

11.0 EXCAVATION FOR STAIRS

11.1 STAIRS TO BEAR ON SOUND BEDROCK. THE STAIRS MAY NEED TO BE SHIFTED INLAND IN ORDER TO ACCOMMODATE THEIR BEARING ON SOUND BEDROCK.

12.0 HANDRAILS

12.1 STAINLESS STEEL PIPE AND PLATE TO BE SUPPLIED BY GOVERNMENT. FABRICATION AND INSTALL ARE THE RESPONSIBILITY OF THE CONTRACTOR.

ISSUED FOR: INFORMATION

AMENDMENTS:

NO:	REVISION	DATE:
A	FOR INFORMATION	31/10/24

ACHILLES BAY

ST GEORGE'S PARISH

SHEET TITLE:

GENERAL NOTES

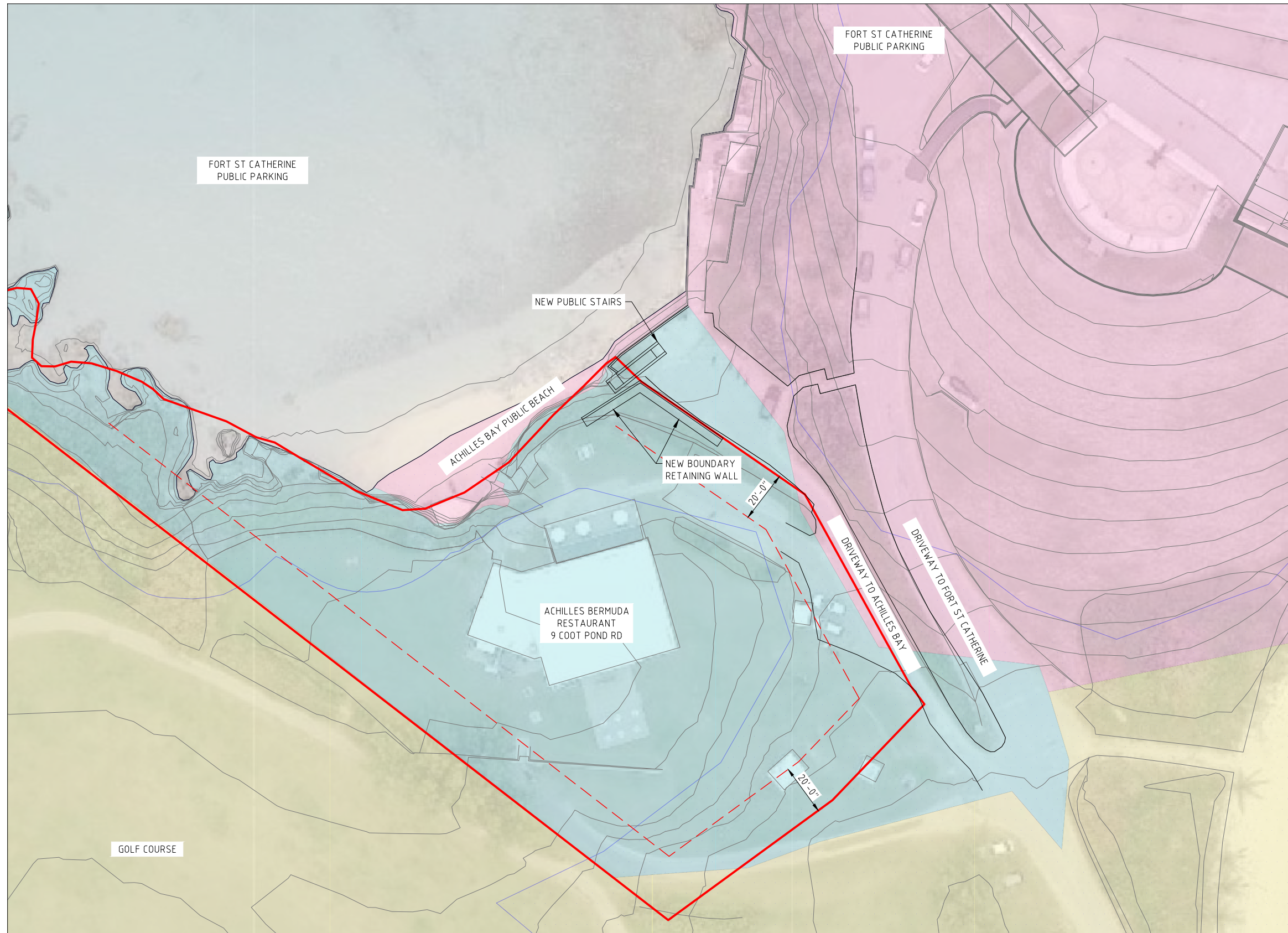
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S102

REVISION

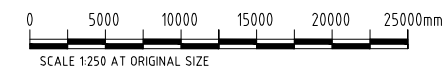
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- GENERAL NOTES:
1. SURVEY GRID IS BNG2000
2. LEVELS ARE IN METERS
ABOVE ORDINANCE DATUM
3. 9 COOT POND ROAD:
37443 SQFT



- TOURISM
- COASTAL RESERVE
- PARK
- WATER RESOURCE PROTECTION AREA

SITE PLAN
1:250



ISSUED FOR: INFORMATION

AMENDMENTS:		
NO:	REVISION	DATE:
A	FOR INFORMATION	31/10/24

SCALE: AS SHOWN AT ANSI D

SURVEY
PREPARED: - DATE: -

DESIGN
PREPARED: J.M.COLMET DATE: -
CHECKED: - DATE: -

DRAWING
PREPARED: A.KENNY DATE: 31/10/2024
CHECKED: - DATE: -

APPROVED BY:
A.KENNY

PROJECT NUMBER:
61-71-201

PROJECT NAME:
**ACHILLES BAY
PUBLIC STAIRS**

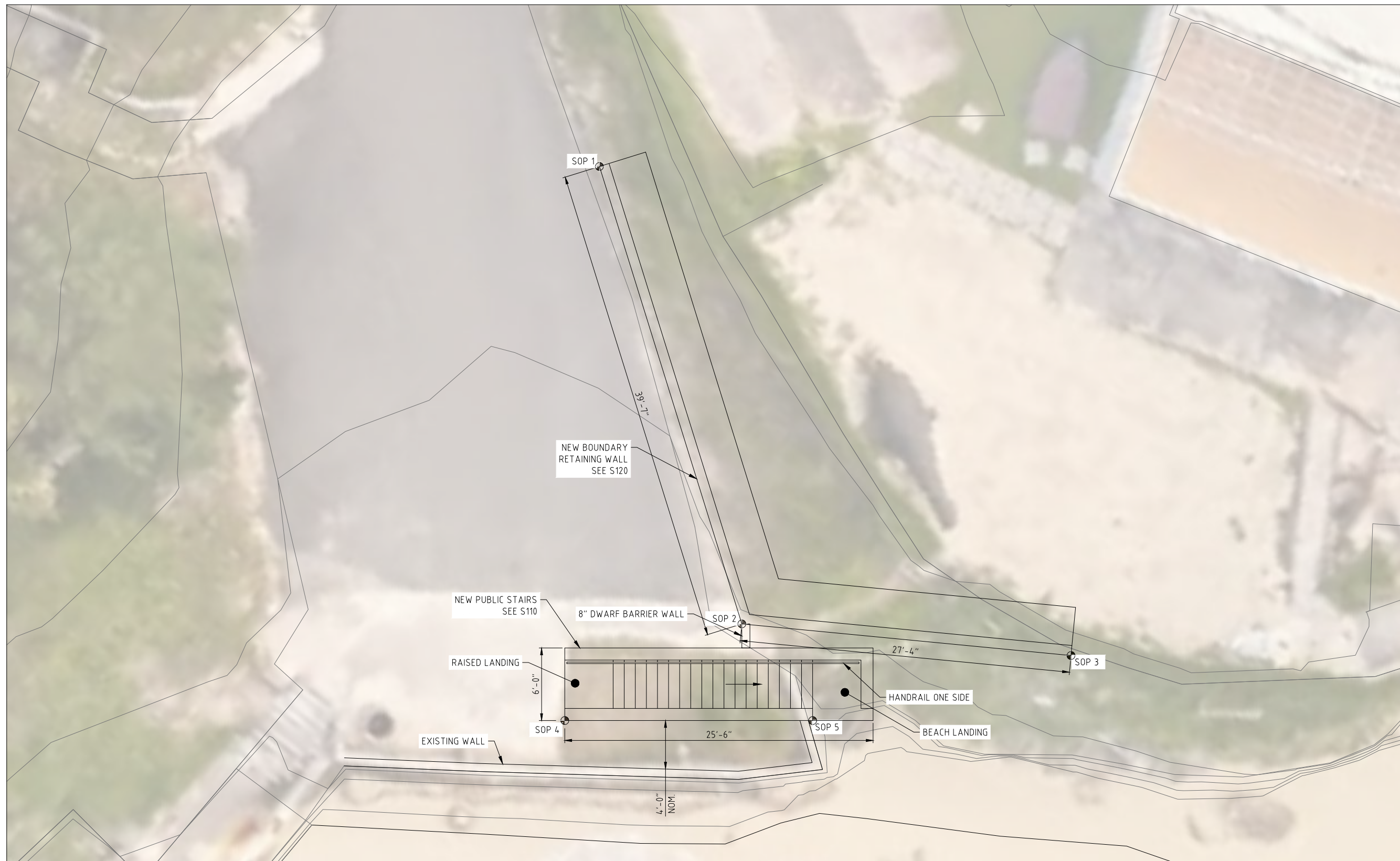
**ACHILLES BAY
ST GEORGE'S PARISH**

SHEET TITLE:
HOUSING ARRANGEMENT

SHEET NUMBER: S001	REVISION A
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- GENERAL NOTES:
1. SURVEY GRID IS BNG2000
2. LEVELS ARE IN METERS
ABOVE ORDINANCE DATUM
3.



SET OUT POINTS		
ID	EASTING	NORTHING
SOP 1		
SOP 2		
SOP 3		
SOP 4		
SOP 5		

SET-OUT POINTS TBD BY GOVERNMENT SURVEYOR

GENERAL ARRANGEMENT

1:50

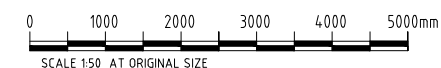
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A	FOR INFORMATION	31/10/24

SCALE: AS SHOWN AT ANSI D		
SURVEY		
PREPARED: -	DATE: -	
DESIGN		
PREPARED: J.M.COLMET	DATE: -	
CHECKED: -	DATE: -	
DRAWING		
PREPARED: A.KENNY	DATE: 31/10/2024	
CHECKED: -	DATE: -	
APPROVED BY:		
A.KENNY		
PROJECT NUMBER:		
61-71-201		

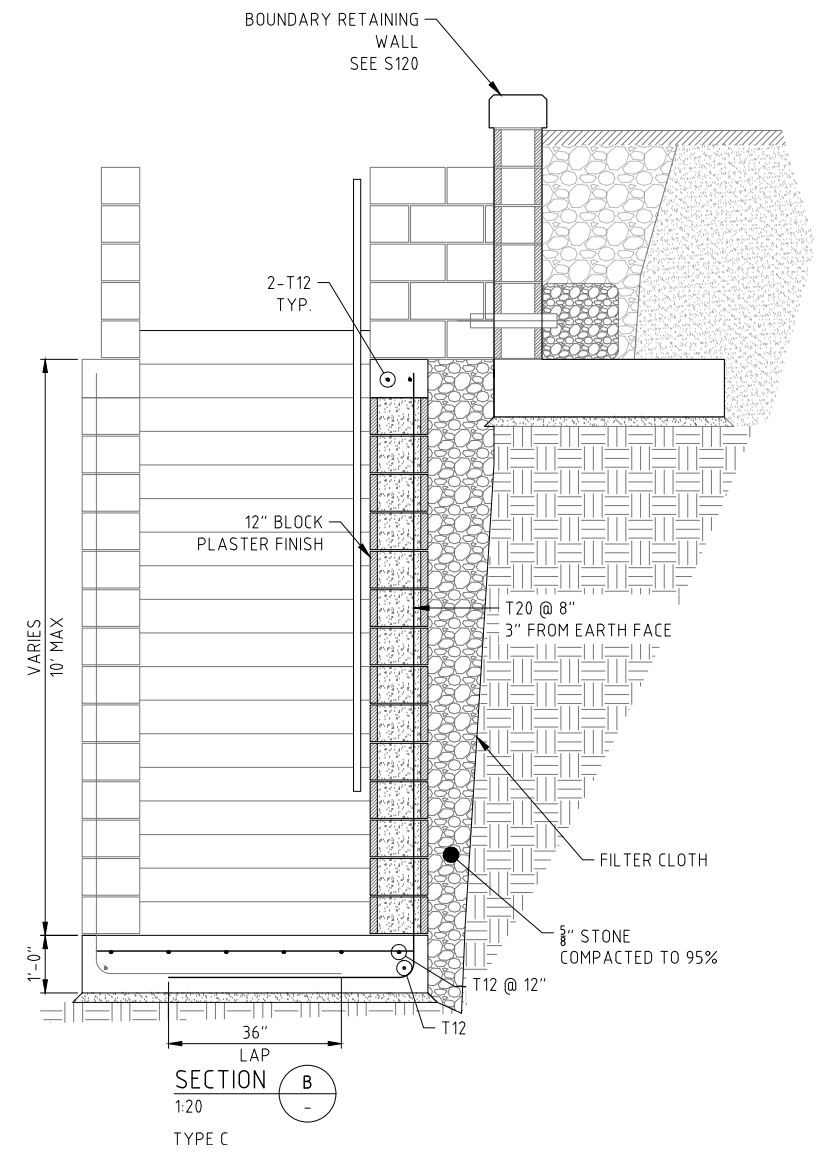
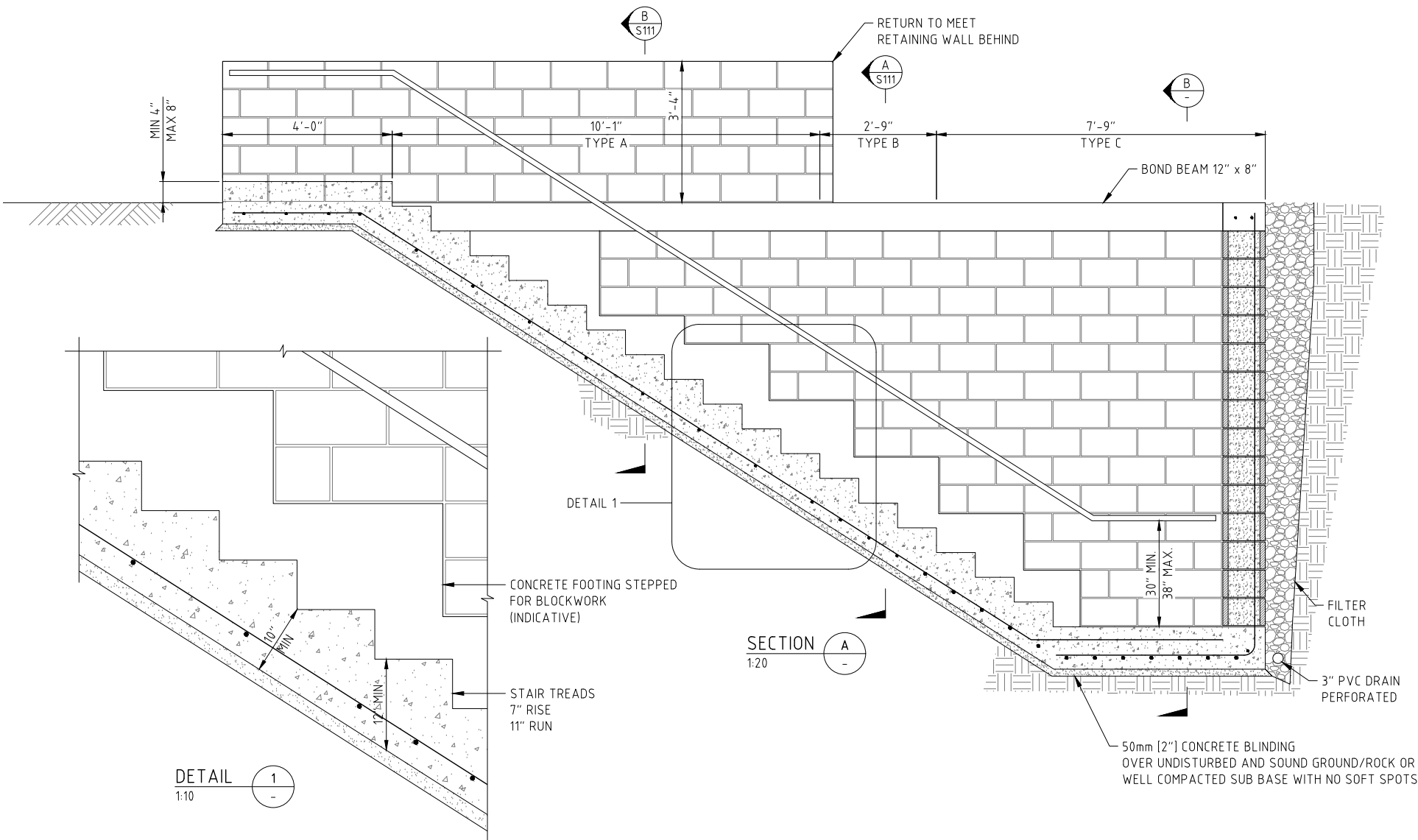
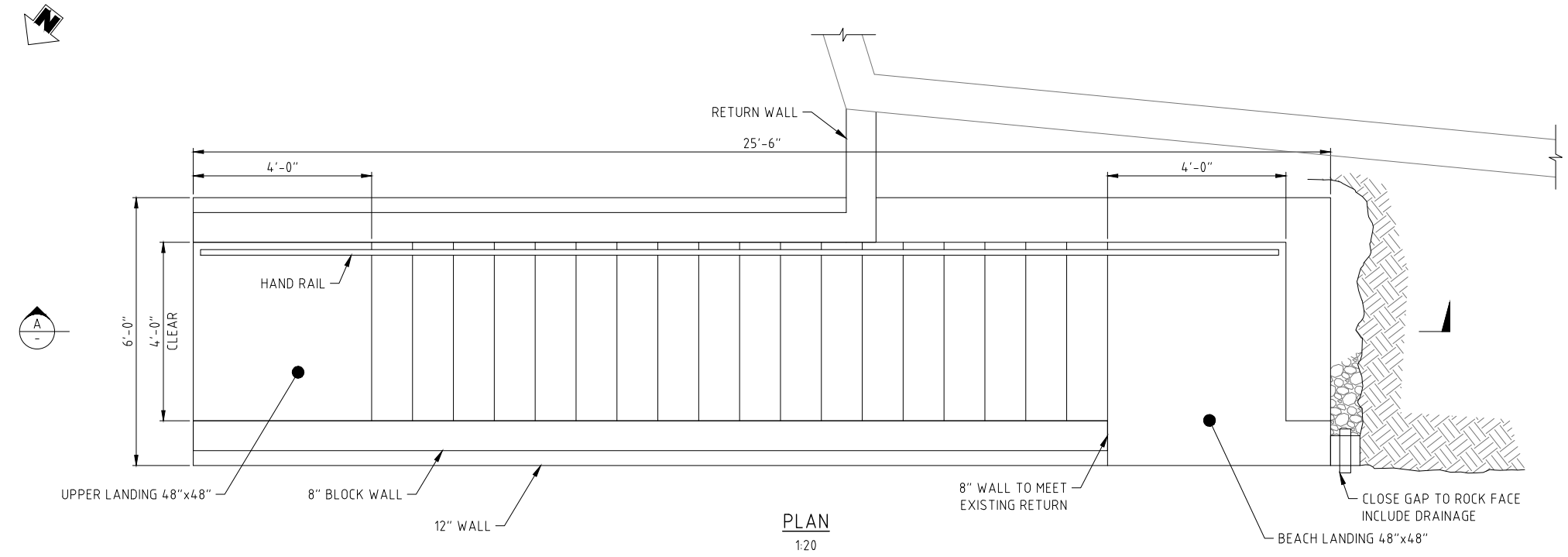
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**ACHILLES BAY
PUBLIC STAIRS**

ACHILLES BAY
ST GEORGE'S PARISH
SHEET TITLE:
GENERAL ARRANGEMENT

SHEET NUMBER:	REVISION
S104	A



- GENERAL NOTES:
1. SURVEY GRID IS BNG2000
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AMENDMENTS:	NO:	REVISION	DATE:
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SCALE: AS SHOWN AT ANSI D

SURVEY
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DESIGN
PREPARED: J.M.COLMET DATE: -
CHECKED: - DATE: -

DRAWING
PREPARED: A.KENNY DATE: 31/10/2024
CHECKED: - DATE: -

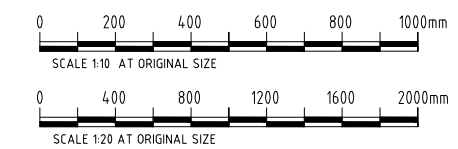
APPROVED BY:
A.KENNY

PROJECT NUMBER:
61-71-201

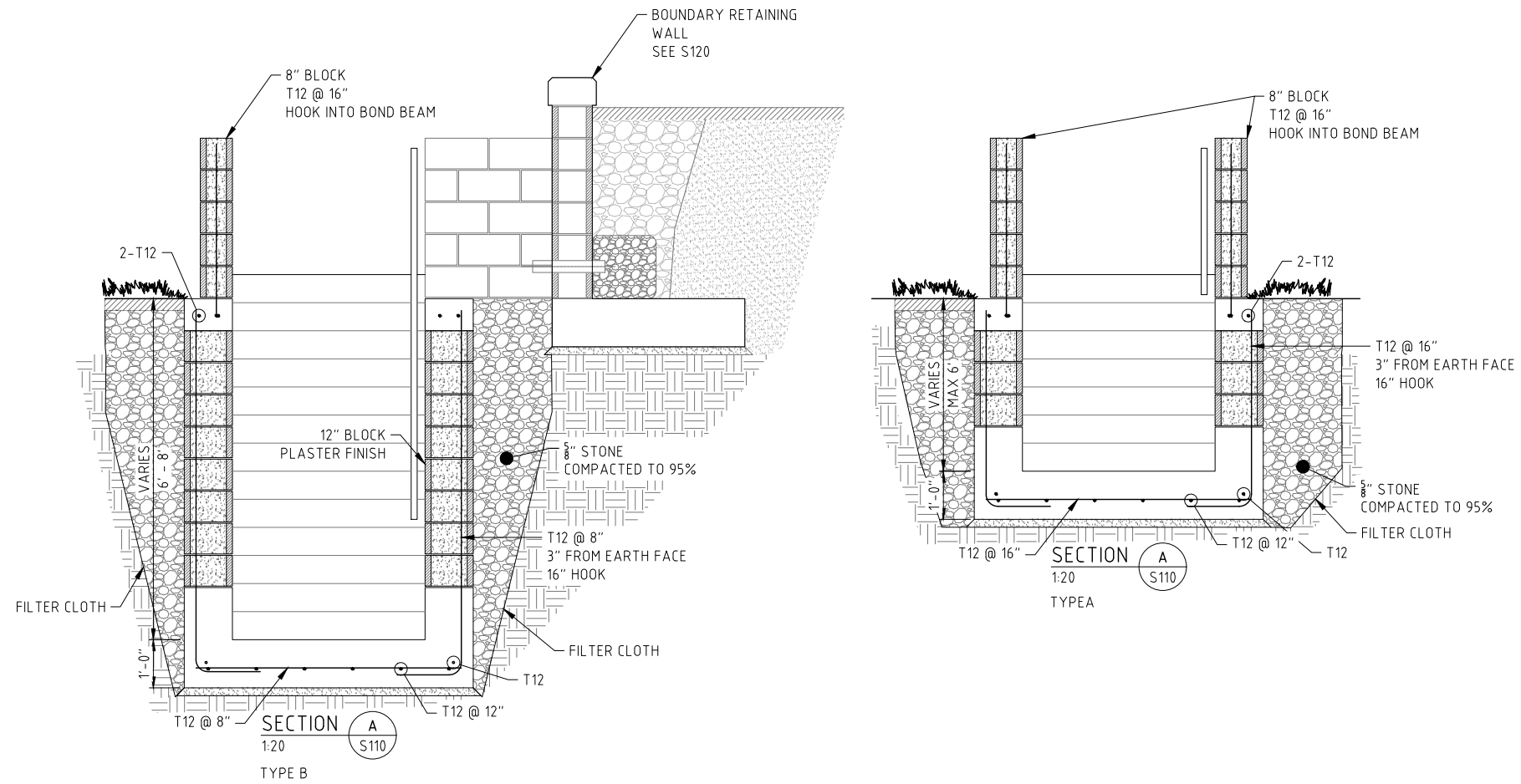
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**ACHILLES BAY
PUBLIC STAIRS**

ACHILLES BAY
ST GEORGE'S PARISH
SHEET TITLE:
**PUBLIC STAIRS
SHEET 1**

SHEET NUMBER:	REVISION
S110	A



- GENERAL NOTES:
1. SURVEY GRID IS BNG2000
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SCALE: AS SHOWN AT ANSI D

SURVEY
PREPARED: - DATE: -

DESIGN
PREPARED: J.M.COLMET DATE: -
CHECKED: - DATE: -

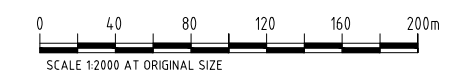
DRAWING
PREPARED: A.KENNY DATE: 31/10/2024
CHECKED: - DATE: -

APPROVED BY:
A.KENNY

PROJECT NUMBER:
61-71-201

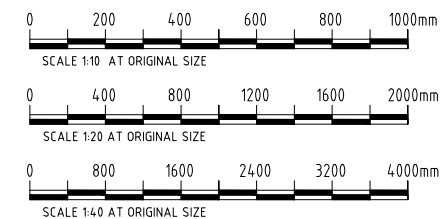
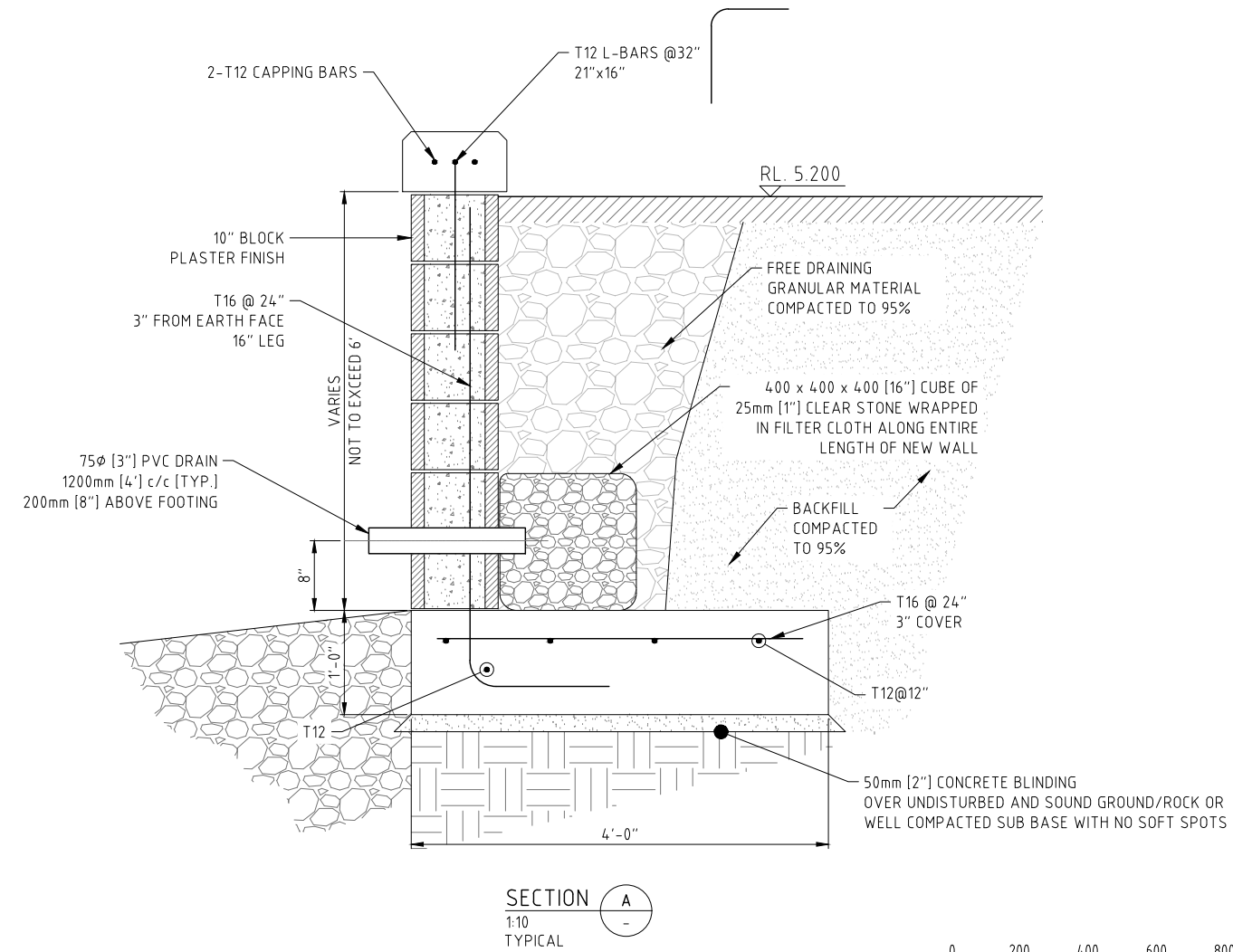
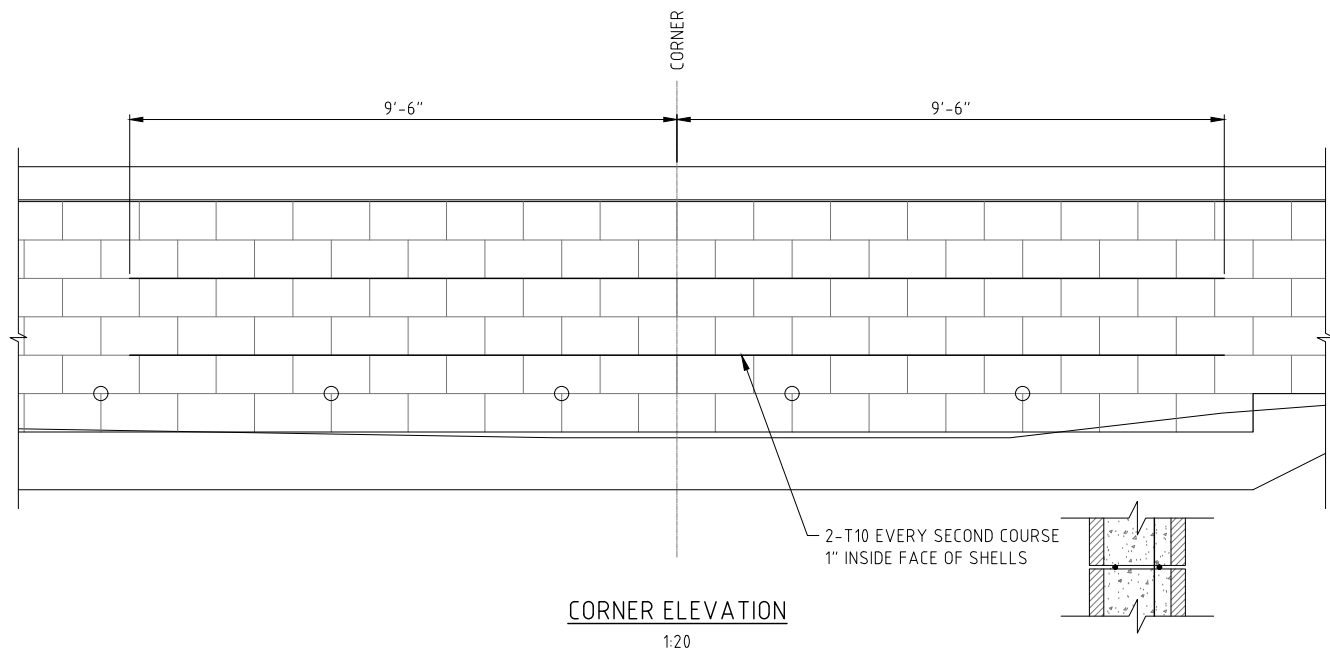
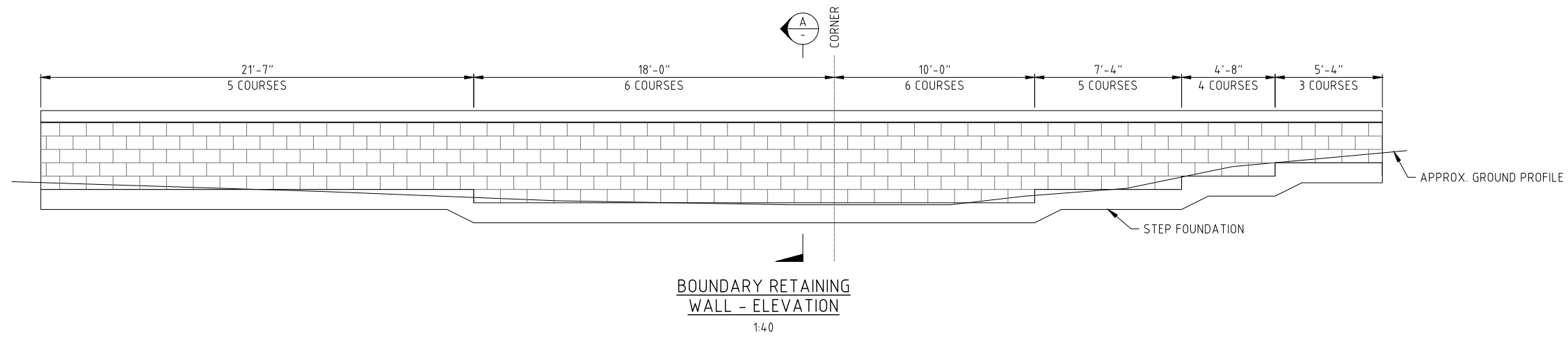
PROJECT NAME:
**ACHILLES BAY
PUBLIC STAIRS**

ACHILLES BAY
ST GEORGE'S PARISH
SHEET TITLE:
**PUBLIC STAIRS
SHEET 2**



SHEET NUMBER: S111	REVISION A
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- GENERAL NOTES:
1. SURVEY GRID IS BNG2000
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3.



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AMENDMENTS:		
NO:	REVISION	DATE:
A	FOR INFORMATION	31/10/24

SCALE: AS SHOWN AT ANSI D		
SURVEY		
PREPARED: -	DATE: -	
DESIGN		
PREPARED: J.M.COLMET	DATE: -	
CHECKED: -	DATE: -	
DRAWING		
PREPARED: A.KENNY	DATE: 31/10/2024	
CHECKED: -	DATE: -	
APPROVED BY: A.KENNY		
PROJECT NUMBER: 61-71-201		

PROJECT NAME:
**ACHILLES BAY
PUBLIC STAIRS**

ACHILLES BAY
ST GEORGE'S PARISH
SHEET TITLE:
BOUNDARY RETAINING WALL

SHEET NUMBER:	REVISION
S120	A