



GOVERNMENT OF BERMUDA

Ministry of Public Works

Department of Works and Engineering

SHORT FORM OF CONTRACT

SAMPLE



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1. AGREEMENT

The Employer is The Ministry of Public Works

The Contractor is _____

The Employer desires the execution of certain Works known as:

HORSESHOE BAY BEACH SEPTIC UPGRADE

2. SPECIFICATIONS

2.1 Description of Work

The Works shall include the procurement of lift station and installation of all components required to provide a new functioning septic system to tie into existing fixtures at the Horseshoe Bay Beach in Southampton Parish.

Works shall comprise of the following, but not be limited to:

Purchase of lift station;

Transport of all equipment and materials to site;

All necessary provisions to make good any penetrations to the building fabric; and,

Clean-up and removal of all waste from site.

3. OFFER

The Contractor has examined the documents listed in the Appendix which forms part of this Agreement and offers to execute the Works in conformity with the Contract for the sum of

(in words) _____

(in figures) _____

Or such other sum as may be ascertained under the Contract.

This offer, of which the Contractor has submitted two signed originals, may be accepted by the Employer by signing and returning one original of this document to the Contractor before

(insert date) _____



The Contractor understands that the Employer is not bound to accept the lowest or any offer received for the Works.

Signature: _____ Authorized to sign on behalf of
Name: _____ Date: _____
Capacity: _____

4. ACCEPTANCE

The Employer has by signing below, accepted the Contractor's offer and agrees that in consideration for the execution of the Works by the Contractor, the Employer shall pay the Contractor in accordance with the Contract. This Agreement comes into effect on the date when the Contractor receives one original of this document signed by the Employer.

Signature: _____ Authorized to sign on behalf of the
Government of Bermuda
Name: _____ Date: _____
Capacity: _____



5. APPENDIX

This Appendix forms part of the Agreement.

[Note: with the exception of the items for which the Employer’s requirements have been inserted, the Contractor shall complete the following information before submitting his offer.]

Sub-Clause	Item	Data
1	General Provisions	
1.1.1	Documents forming the Contract listed in order of priority (delete if not applicable)	Document Identification
	(a) The Agreement	
	(b) Price Breakdown	
	(b) Schedule of Rates	
	(c) Particular Conditions	
	(d) General Conditions	
	(e) The Specification	
	(f) Plan of Proposed Trenching Works	
1.1.9	Time for Completion	60 days
1.4	Law of the Contract	Laws of Bermuda
1.5	Language	English
2	The Employer	
2.1	Provision of Site	On the Commencement Date:
Sub-Clause	Item	Data
3	Employer’s Representatives	Remi Subair Zeeko Johnstone
3.1	Authorised Person	
3.2	Name and address of Employer’s representative (if known)	



4	The Contractor	
4.4	Performance Security (if any):	
4.4	Amount	
4.4	Form	
5	Design by Contractor	
5.1	Requirements for Contractor's design (if any)	
7	Programme	
7.2	Time for submission	
7.2	Form of programme	
7.4	Amount payable due to failure to complete	\$1000 per day
9	Remedying Defects	
9.1	Period for notifying defects	30 days calculated from the date stated in the notice under Sub-Clause 8.2
10	Variation Procedure	
10.2	Day work rates	N/A
		(details)
Sub-Clause	Item	Data
11	Valuation of the Works	
11.1	Lump sum price	(details)
11.1	Lump sum price with schedules of rates	(details)
11.1	Lump sum price with bill of quantities	(details)
11.1	Re-measurement with tender bill of quantities	(details)
11.1	Cost reimbursable	(details)
11.2	Percentage of value of Materials and Plant	Materials



		Plant
11.3	Percentage of retention	10%
11.5	Period for notifying defects	30 days calculated from the date stated in the notice under Sub-Clause 8.2
11.7	Currency of payment	Bermuda Dollars
11.8	Rate of interest	0.5 % per annum
14	Insurances	
14.1(a)	The Works, Materials, Plant and fees	The sum stated in the Agreement plus 15%
14.1(a)	Contractor's Equipment	Full replacement cost
14.1(b)	Third party injury to persons and damage to property	\$ 1,000,000.00
14.1(c)	Workers	\$ 1,000,000.00
	Other Cover	
	Exclusions	
15	Arbitration	
15.3	Rules	Bermuda Arbitration Act 1986 In accordance with the Bermuda Arbitration Act 1986
15.3	Appointing authority	
15.3	Place of Arbitration	Bermuda



5.2 PRICE BREAKDOWN

All prices (in Bermuda dollars) are to be all inclusive of all other associated works as shown on the Contract Documents, materials, related accessories, storage, transport, assembly, placement, overhead and profit. These rates may be used for determining additions and deletions from the contract sum and for interim payment valuation.

Description	Units	No of Units	Unit Price \$	Cost \$
Total Lump Sum				

We confirm that the above fixed price bid includes all labour, materials, products, equipment, services overheads, profit taxes, disbursements and related charges in providing the service.

5.3 SCHEDULE OF UNIT RATES

(TO BE COMPLETED BY THE CONTRACTOR)

All prices (in Bermuda dollars) in the schedule are to be **inclusive of materials and related accessories, storage, transport, plant and equipment assembly, placement, access, overhead and profit.** These rates may be used for determining additions to, and deletions from, the contract sum.

<u>ITEM</u>	<u>UNIT</u>	<u>RATE</u>
1.0	<u>Labour</u>	
1.1	Unskilled labour	per hour \$ <u>N/A</u>
1.2	Skilled labour	per hour \$ _____
1.3	Supervisor	per hour \$ _____
2.0	<u>Equipment</u>	
2.1	Truck	per hour \$ _____
2.2	Excavator	per hour \$ _____
3.0	<u>Other Items not listed above</u>	



3.1	<u>Estimator</u>	<u>per hour</u>	\$ _____
3.2	<u>Project Manager</u>	<u>per hour</u>	\$ _____
3.3	_____	_____	\$ _____
3.4	_____	_____	\$ _____

All unit rates above shall be considered fully inclusive of delivery, preparation, placing and finishing. For variations to the contract not covered in the preceding price break down rates or the above schedule of unit

2.0 Short Form of Contract - GENERAL CONDITIONS

The conditions of contract are the **Conditions of Contract for the Short Form of Contract, First Edition 1999**, published by the Federation Internationale des Ingenieurs-Conseils (FIDIC). *See attached*

The General Conditions of Contract are amended by the Particular Conditions of Contract.

5.4 Short Form of Contract - PARTICULAR CONDITIONS

Preamble

These Particular Conditions supplement the General Conditions, and shall modify, delete and/or add to the General Conditions.

Where any clause, paragraph, or sub-paragraph in the General Conditions is supplemented by one of the following paragraphs, the provisions of such clause, paragraph, or sub-paragraph shall remain in effect and the supplemental provisions shall be considered as added thereto.

Where any clause, paragraph, or sub-paragraph in the General Conditions is amended, deleted or superseded by any of the following paragraphs, the provisions of such clause, paragraph, or sub-paragraph, not so amended, deleted or superseded shall remain in effect.

Clause numbers herein refer to the same clause numbers as in the General Conditions.

A. References from Clauses in the GENERAL CONDITIONS

4.0 The Contractor

Add the following clauses;

4.5 Facilities

The Contractor shall make his own arrangements for all local accommodation he may require for offices, yards, stores, labour, etc., all buildings and all services in connection therewith which are required for the efficient execution of the Works. The Contractor shall



pay proper regard to the prevention of obstruction of public roads and walkways and the avoidance of nuisance to the public and to residents.

4.6 Electricity, Water and Gas

N/A

4.7 Protection of Utilities

The Contractor shall carry out the Works so that there is the minimum of interruption to the supply of water, telephone, electricity and other services through existing mains and services. Work involving interference with existing works of any kind shall only be carried out with the permission of and during such times and in such a manner as are agreed in writing by the Engineer or competent Authority.

4.8 Reporting of Errors

The Contractor shall examine and compare the Contract Documents and shall report any errors, inconsistencies, or omissions he may find to the Engineer immediately.

4.9 Damage to Persons and Property

The Contractor shall, immediately on occurrence of any incident involving loss or injury at or about the Site, or in connection with the execution of the Works, report such incident to the Engineer or the Engineer's Representative. The Contractor shall also report such incident to the appropriate Authority whenever such report is required by Law.

4.10 Rates, Wages, Hours and Conditions of Labour

The Contractor shall pay to all Foremen, Craftsmen, and Labourers not less than the rates of wages for the various Foremen, Craftsmen, and Labourers that prevail in Bermuda, and comply with such requirements relating to hours of work and conditions of labour as are or may be laid down from time to time by the Laws of Bermuda.

4.11 Facilities for Staff and Labour

The Contractor shall provide such accommodation and amenities as he may consider necessary for all his expatriate staff and labour, employed for the purposes of or in connection with the Contract.

The Contractor shall comply with all local statutes and regulations and any amendments thereto with regard to the health and safety of his employees and others, and shall provide adequate latrines for his workers on the Site to conform with the requirements of the Department of Health.

4.12 Display of Notices

The Contractor shall post notices to inform the workers of their conditions of work in conspicuous places at the establishments and work places concerned.



4.13 Alcoholic Liquor and Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinance and Government Regulations or Orders for the time being in force, import, sell, give, barter, or otherwise dispose of any alcoholic liquor, or drugs, or permit, or suffer any such importation, sale, gift, barter, or disposal by his sub-contractors, agents, or employees.

4.14 Arms and Ammunition

The Contractor shall not give, barter, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same aforesaid.

4.15 Festivals and Religious Festivals

The Contractor shall in all dealings with labour in his employment have due regard to all recognised festivals, public holidays, days of rest, and religious or other customs.

4.16 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders, and requirements as may be made by the Government, or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same.

4.17 Supply of Drinking Water

The Contractor shall so far as is reasonably practicable having regard to local conditions provide on the site, to the satisfaction of the Engineer's Representative, an adequate supply of drinking water and other water for the use of the Contractor's staff and work people.

15.0 Resolution of Disputes

15.1 Adjudication

This clause is deleted in its entirety.

15.2 Notice of Dissatisfaction

This clause is deleted in its entirety and replaced by:

If a dispute arises between the Parties in connection with, or arising out of, the Contract or the execution of the Works, including any dispute as to any certificate, determination, instruction, opinion or valuation of the Engineer, a notice of dissatisfaction shall be issued by either Party to the other Party. Where such notice is given both Parties shall attempt to settle the dispute amicably before the commencement of arbitration. However, unless both Parties agree otherwise, arbitration may be commenced on or after the fifty-sixth day after the day on which notice of dissatisfaction was given, even if no attempt at an amicable settlement has been made.



15.3 Arbitration

This clause is deleted in its entirety and replaced by:

Unless settled amicably, any dispute shall be finally settled by arbitration, unless otherwise agreed by both Parties:

- a. the dispute shall be finally settled in accordance with the Bermuda Arbitration Act 1986
- b. the dispute shall be settled by arbitrators appointed in accordance with the said Act, and
- c. the arbitration shall be conducted in the English language.

The arbitrator(s) shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Engineer, relevant to the dispute. Nothing shall disqualify the Engineer from being called as a witness and giving evidence before the arbitrator(s) on any matter whatsoever relevant to the dispute.

Neither Party shall be limited in the proceedings before the arbitrator(s) to the evidence nor did arguments previously put before the Engineer to obtain his decision, or to the reasons for dissatisfaction given in its notice of dissatisfaction. Any decision of the Engineer shall be admissible in evidence in the arbitration.

Arbitration may be commenced prior to or after completion of the Works, by mutual agreement. The obligations of the Parties and the Engineer shall not be altered by reason of any arbitration being conducted during the progress of the Works.

B. Additional Clauses to be added to the GENERAL CONDITIONS

11.0 Arithmetical Accuracy of Proposal

The Client accepts no responsibility for the arithmetical or other accuracy of the Consultant's Proposal. Should it transpire after the Agreement has been executed that there are arithmetical mistakes in the accepted Proposal which would have increased or decreased the total amount of the Proposal had such mistakes not been made, the items affected will be paid for in accordance with the actual measurements of Services performed and with the unit prices inserted against the said items.

12.0 Continuity of Supply and Connections to Existing Work

The Consultant shall carry out the Services so that there is the minimum of interruption to the supply of water, telephone, electricity and other services through existing mains and services. Services involving interference with existing works of any kind shall only be carried out with the permission of and during such times and in such a manner as are agreed in writing by the Client or competent Authority.

13.0 Consultants Offices, Yards, Stores, Etc.



The Consultant shall make his own arrangements for all local accommodation he may require for offices, yards, stores, labour, etc., all buildings and all services in connection therewith which are required for the efficient execution of the Services. The Consultant shall pay proper regard to the prevention of obstruction and the avoidance of nuisance to the public and to residents.

14.0 Approval by Other Authorities

Where the work of the Consultant is subject to the approval or review of an authority, department of Government, or agency other than the Client, such applications for approval or review shall be the responsibility of the Consultant, but shall be submitted through the offices of the Client and unless authorised by the Client in writing, such applications for approval or review shall not be obtained by direct contact by the Consultant with such other authority, department of Government or agency.

The consultant shall ensure that a valid work permit is in place for all non- Bermudian staff working in Bermuda.

16.0 Taxation

The Contractor shall be required to pay Bermudian Taxes on all Contractor's Equipment (except as described in the Fifth Schedule, Section 2 of the Customs Tariff Act 1970) materials and other things of whatsoever nature brought into Bermuda for the purpose of Contract.

17.0 Bribery

Any commission, advantage, gift, gratuity, reward, or bribe given, promised, or offered by or on behalf of the Contractor or his agent or servant or any person on his or their behalf to any officer, servant, representative, or agent of the Employer or of the Engineer or to any person on their behalf or on behalf of any of them in relation to the obtaining or to the execution of this or of any other Contract with the Employer shall in addition to any criminal liability which may be thereby incurred subject the Contractor to the cancellation of this and of all other contracts which he may have entered into with the Employer and also to the payment of any loss or damage resulting from such cancellation.

18.0 Debt Recovery

The Employer shall be entitled upon a certificate in writing of the Engineer to deduct the amounts so certified from any monies or otherwise due to the Contractor under this or any other contract or to recover the said amounts as a debt due or partly the one and partly the other as the Employer shall deem advisable.

19.0 Strikes and Lock-Outs



The Contractor shall forthwith notify the Engineer of the commencing of any strike or lock-out and the Engineer on account of any delay caused thereby may, after consultation with the Employer, grant such extension of time as he considers reasonable without prejudice to the right of the Employer to exercise after the expiration of such reasonable extension of time the rights and powers under these Conditions in case of default by the Contractor.

20.0 Laws, Regulations and Orders

The Contractor shall make himself fully acquainted with the Laws, Regulations and Orders of Bermuda and of any competent/statutory Authority and shall conform in all respects therewith during the continuance of the Contract. He shall conform similarly with any such Laws, Regulations and Orders which may come in to force after the date of this Agreement.

21.0 Construction of Contract

The Contract shall in all respects be constructed and operated in conformity with the Laws of Bermuda and the respective rights and liabilities of the Parties shall be in accordance with the Laws for the time being in force.

22.0 Members and Staff of Employer and Engineer not Personally Liable

Neither the members nor the staff of the Employer or the Engineer shall be in any way personally bound or liable for the acts or obligations of the Contractor under the Contract or answerable for any default or omission in the observance or performance of any of the acts, matters or things which are herein contained.

23.0 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the previous consent in writing of the Employer or the Engineer. If any dispute arises as to the necessity or disclosure for the purpose of the Contract the same shall be referred to the decision of the Employer whose award shall be final.

24.0 Rights and Remedies Not Waived

In no event shall the making by the Employer of any payment to the Contractor constitute or be construed as a waiver by the Employer of any breach of Contract, or any default which may then exist, on the part of the Contractor, and the making of any such payment by the Employer while any such breach or default exists shall in no way impair or prejudice any right or remedy available to the Employer in respect of such breach or default.

25.0 Approval by Other Authorities



Where the work of the Consultant is subject to the approval or review of an authority, department of Government, or agency other than the Client, such applications for approval or review shall be the responsibility of the Consultant, but shall be submitted through the offices of the Client and unless authorised by the Client in writing, such applications for approval or review shall not be obtained by direct contact by the Consultant with such other authority, department of Government or agency.

The consultant shall ensure that a valid work permit is in place for all non- Bermudian staff working in Bermuda.

26.0 Patents

All concepts, products or processes produced by or resulting from the Services rendered by the Consultant in connection with the Project, or which are otherwise developed or first reduced to practice by the Consultant in the performance of his Services, and which are patentable, capable of trademark or otherwise, shall be and remain the property of the Consultant.

The Client shall have permanent non-exclusive royalty-free license to use any concept, product or process, which is patentable, capable of trademark or otherwise produced by or resulting from the Services by the Consultant in connection with the Project and for no other purpose or project.

27.0 Inspection

The Client, or persons authorised by the Client, shall have the right, at all reasonable times, to inspect or otherwise review the Services performed, or being performed, under the Project and the premises where they are being performed.



GOVERNMENT OF BERMUDA

Ministry of Public Works

Department of Works and Engineering

MEMO

To: E-Gov Webportal Administrative Team

Date: 27 December 2019

From: Van Dyke M. Bean

File No: 38/15/100

RE: TENDER ADVERTISEMENT PLACEMENT

Please arrange to place the following advertisement in the Official Government of Bermuda website on January 3rd 2020 to January 23rd 2020 inclusive. Thank you.

**MINISTRY OF PUBLIC WORKS
DEPARTMENT OF WORKS AND ENGINEERING**

INVITATION TO TENDER

Septic System Upgrades

Horseshoe Bay Facility

Horseshoe Road, Bermuda

Tenders are invited from **Experienced Plumbing Contractors** for the above captioned project. The project involves excavating, trenching, plumbing, and installing a lift station and septic tank for Horseshoe Bay's beach facilities.

Full details and tender documents may be obtained from the Ministry's reception desk on the Third floor of the General Post Office Building, 56 Church Street, Hamilton during regular business hours and may also be downloaded from the Government of Bermuda website: www.gov.bm "Government Contracts" tab from **3rd January 2020 to 23rd January 2020 inclusive**. Completed tenders must be returned **no later than 3:00 pm on Thursday, 23rd January 2020**. *Late submissions will not be considered.*

Contractors *must attend* a **Mandatory Site Tour** starting at the **Horseshoe Bay Site** on **January 17th @ 10:00 am**. Meet at the entrance of the main foot path which leads to the concession building/ washrooms. Tenders will not be accepted from a company that fails to have a representative attend the mandatory site tour.

Interested parties that require any additional information may contact the following during regular business hours: **Remi Subair** 297-7989 (w), 501-3103 (c), rbsubair@gov.bm (e) or **Van Dyke M. Bean** 297-7697 (w), 501-3008 (c), vdmbean@gov.bm (e).

**Government of Bermuda
Tender Evaluation Matrix**

Tender Ref: **Horseshoe Bay Septic Upgrade**

Dec-19

			SCORES - please see notes & scoring tab						Weighted scores			
ITEM	CRITERIA	WEIGHTING	Tender 1	Tender 2	Tender 3	Tender 4	Tender 5	Tender 6	Tender 1	Tender 2	Tender 3	Tender 4
1	Experience & Capability:		<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>
1.1	Does the bidder clearly demonstrate the ability to deliver the requirements of the tender?		0.00	0.00	0.00	0.00	0.00	0.00				
1.2	Did the bidder offer evidence of experience with projects of a similar technical level?		0.00	0.00	0.00	0.00	0.00	0.00				
1.3	Did the bidder offer sufficient evidence of experience with completing projects within timescales and budgets?		0.00	0.00	0.00	0.00	0.00	0.00				
1.4	Is the bidder able to complete the work within the required timescales?		0.00	0.00	0.00	0.00	0.00	0.00				
1.5	Does the bidder state that they have sufficient, suitably experienced resources available?		0.00	0.00	0.00	0.00	0.00	0.00				
1.6	Does the bidder have a good track record in Health & Safety?		0.00	0.00	0.00	0.00	0.00	0.00				
1.7	Were the bidders referees positive about their experience of working with the contractor/supplier, and would they use them again?		0.00	0.00	0.00	0.00	0.00	0.00				
1T	Total Score - Section 1	30%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Financial Analysis		<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>
2.1	Tender price (include all costs)		0.00	0.00	0.00	0.00	0.00	0.00				
2.2	The bidder is in a stable financial position.		0.00	0.00	0.00	0.00	0.00	0.00				
2.3	The bidder has no outstanding Government debt		0.00	0.00	0.00	0.00	0.00	0.00				
2T	Total Score - Section 2	40%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Social, Environmental & Economic criteria		<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>	<i>Supplier Name</i>
3.1	Percentage of workforce that are Bermudian		0.00	0.00	0.00	0.00	0.00	0.00				
3.2	Does the bidder offer evidence of providing apprenticeships/training positions or being willing to offer them?		0.00	0.00	0.00	0.00	0.00	0.00				
3.3	Does the bidder have an environmental policy in place?		0.00	0.00	0.00	0.00	0.00	0.00				
3.4	Has the bidder given evidence that they have participated in appropriate business skills training e.g. The BSBDC Construction Incubator?		0.00	0.00	0.00	0.00	0.00	0.00				
3T	Total Score - Section 3	30%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

100%

Fully weighted scores

0.00 0.00 0.00 0.00



**GOVERNMENT OF
BERMUDA**

**MINISTRY OF
PUBLIC WORKS**
DEPARTMENT OF
WORKS AND ENGINEERING

**ELECTRICAL AND MECHANICAL
ENGINEERING SECTION**
P.O. Box HM 1365 Hamilton HMF Bermuda
Tel: (441) 295-5151
Fax: (441) 295-4675



ISSUE / REVISION

No.	Date:
A	ISSUED FOR ESTIMATE 04.08.2019

SCALE: AS SHOWN

SURVEY

Prepared By: *RS* Date: *MAR 2019*

DESIGN

Prepared By: *VB* Date: *MAR 2019*

Checked By: *RS* Date: *MAR 2019*

DRAWING

Prepared By: *VB* Date: *MAR 2019*

Checked By: *RS* Date: *MAR 2019*

Approved By: *RS* Date: *MAR 2019*

Project Number:

Project Title:

**HORSESHOE BAY SEPTIC TANK
UPGRADE**

SOUTH ROAD
SOUTHAMPTON
SN 03

Sheet Title:

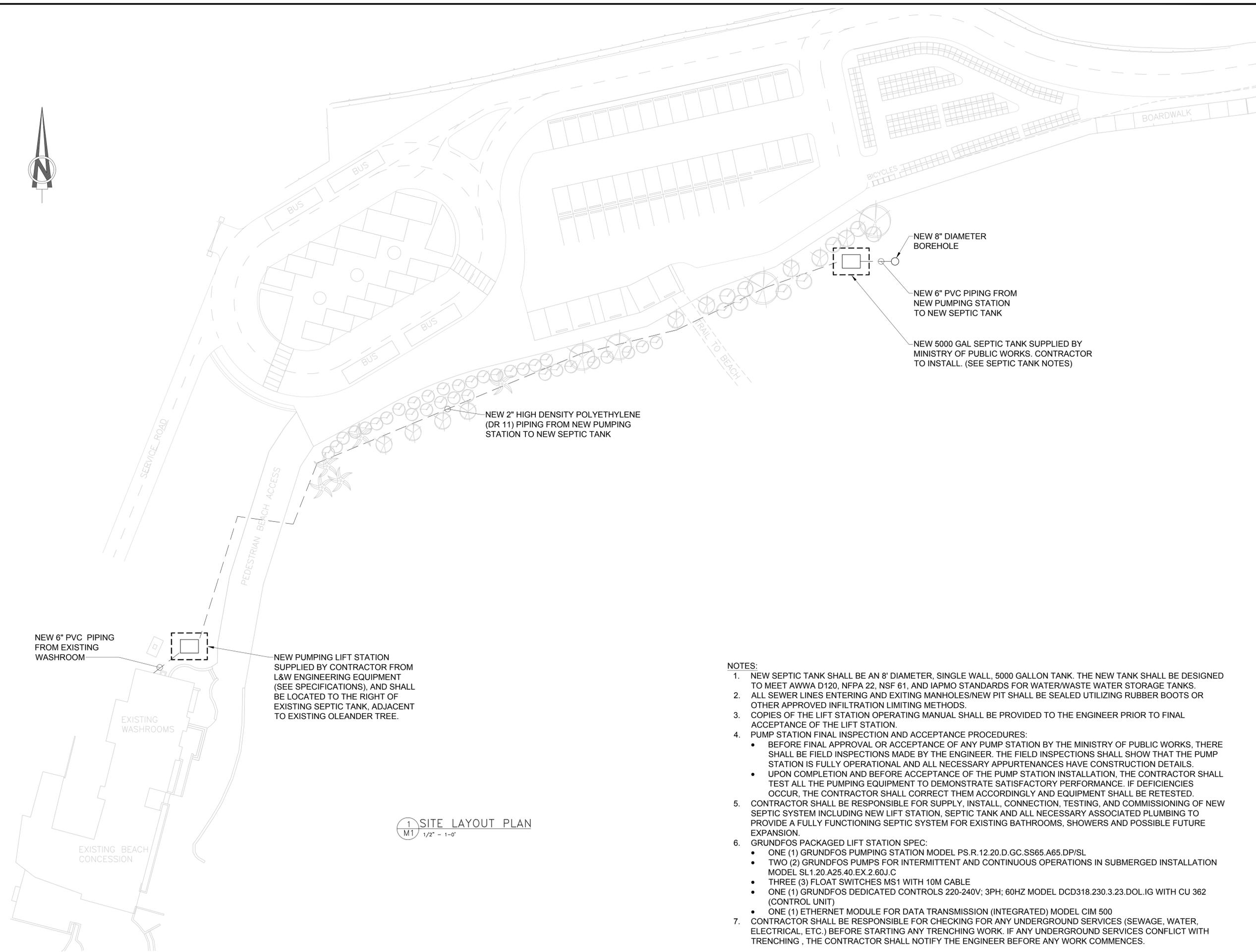
HORSESHOE BAY SITE LAYOUT

Revision:

Sheet Number:



M1



NEW 2" HIGH DENSITY POLYETHYLENE (DR 11) PIPING FROM NEW PUMPING STATION TO NEW SEPTIC TANK

NEW 8" DIAMETER BOREHOLE

NEW 6" PVC PIPING FROM NEW PUMPING STATION TO NEW SEPTIC TANK

NEW 5000 GAL SEPTIC TANK SUPPLIED BY MINISTRY OF PUBLIC WORKS. CONTRACTOR TO INSTALL. (SEE SEPTIC TANK NOTES)

NEW 6" PVC PIPING FROM EXISTING WASHROOM

NEW PUMPING LIFT STATION SUPPLIED BY CONTRACTOR FROM L&W ENGINEERING EQUIPMENT (SEE SPECIFICATIONS), AND SHALL BE LOCATED TO THE RIGHT OF EXISTING SEPTIC TANK, ADJACENT TO EXISTING OLEANDER TREE.

NOTES:

- NEW SEPTIC TANK SHALL BE AN 8" DIAMETER, SINGLE WALL, 5000 GALLON TANK. THE NEW TANK SHALL BE DESIGNED TO MEET AWWA D120, NFPA 22, NSF 61, AND IAPMO STANDARDS FOR WATER/WASTE WATER STORAGE TANKS.
- ALL SEWER LINES ENTERING AND EXITING MANHOLES/NEW PIT SHALL BE SEALED UTILIZING RUBBER BOOTS OR OTHER APPROVED INFILTRATION LIMITING METHODS.
- COPIES OF THE LIFT STATION OPERATING MANUAL SHALL BE PROVIDED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE LIFT STATION.
- PUMP STATION FINAL INSPECTION AND ACCEPTANCE PROCEDURES:
 - BEFORE FINAL APPROVAL OR ACCEPTANCE OF ANY PUMP STATION BY THE MINISTRY OF PUBLIC WORKS, THERE SHALL BE FIELD INSPECTIONS MADE BY THE ENGINEER. THE FIELD INSPECTIONS SHALL SHOW THAT THE PUMP STATION IS FULLY OPERATIONAL AND ALL NECESSARY APPURTENANCES HAVE CONSTRUCTION DETAILS.
 - UPON COMPLETION AND BEFORE ACCEPTANCE OF THE PUMP STATION INSTALLATION, THE CONTRACTOR SHALL TEST ALL THE PUMPING EQUIPMENT TO DEMONSTRATE SATISFACTORY PERFORMANCE. IF DEFICIENCIES OCCUR, THE CONTRACTOR SHALL CORRECT THEM ACCORDINGLY AND EQUIPMENT SHALL BE RETESTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLY, INSTALL, CONNECTION, TESTING, AND COMMISSIONING OF NEW SEPTIC SYSTEM INCLUDING NEW LIFT STATION, SEPTIC TANK AND ALL NECESSARY ASSOCIATED PLUMBING TO PROVIDE A FULLY FUNCTIONING SEPTIC SYSTEM FOR EXISTING BATHROOMS, SHOWERS AND POSSIBLE FUTURE EXPANSION.
- GRUNDFOS PACKAGED LIFT STATION SPEC:
 - ONE (1) GRUNDFOS PUMPING STATION MODEL PS.R.12.20.D.GC.SS65.A65.DP/SL
 - TWO (2) GRUNDFOS PUMPS FOR INTERMITTENT AND CONTINUOUS OPERATIONS IN SUBMERGED INSTALLATION MODEL SL1.20.A25.40.EX.2.60J.C
 - THREE (3) FLOAT SWITCHES MS1 WITH 10M CABLE
 - ONE (1) GRUNDFOS DEDICATED CONTROLS 220-240V; 3PH; 60HZ MODEL DCD318.230.3.23.DOL.IG WITH CU 362 (CONTROL UNIT)
 - ONE (1) ETHERNET MODULE FOR DATA TRANSMISSION (INTEGRATED) MODEL CIM 500
- CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING FOR ANY UNDERGROUND SERVICES (SEWAGE, WATER, ELECTRICAL, ETC.) BEFORE STARTING ANY TRENCHING WORK. IF ANY UNDERGROUND SERVICES CONFLICT WITH TRENCHING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE ANY WORK COMMENCES.

1 SITE LAYOUT PLAN
M1 1/2" = 1'-0"

