



Request for Proposal #2020-004P-MPW Supply
and Delivery of Bulk Fuels and Infrastructure
Upgrades

GOVERNMENT OF BERMUDA
Ministry of Public Works

Addendum #1

August 3, 2020

Dear Respondents.

This Addendum supersedes information contained in the Request for Proposal ("RFP") to the extent referenced.

This Addendum forms part of the RFP documents and will be subject to all of the conditions set out in the contract conditions.

Addendum #1 contains seven (7) pages.

- 1. The specifications for the driveway and paving of DPT Palmetto Road are required as outlined in the attached Annex M, pages two to seven.**

Best regards,

A handwritten signature in black ink, appearing to read 'Elizabeth Davis-Smith', written over a printed name.

Elizabeth Davis-Smith

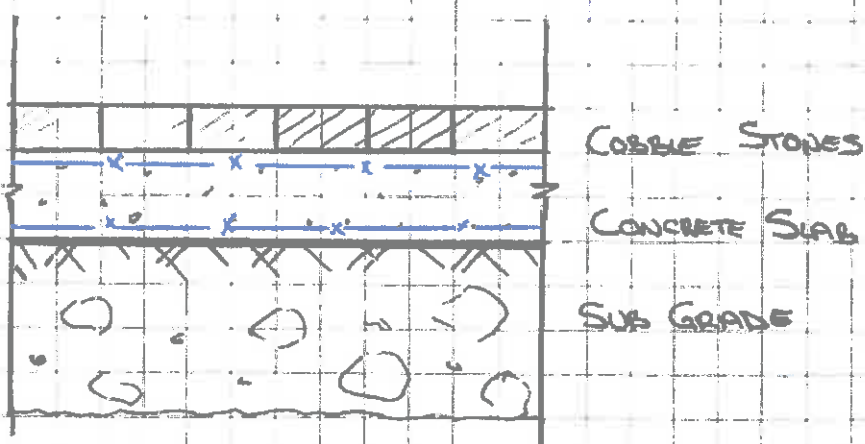

**Assistant Purchasing and Supply Officer
Ministry of Public Works**

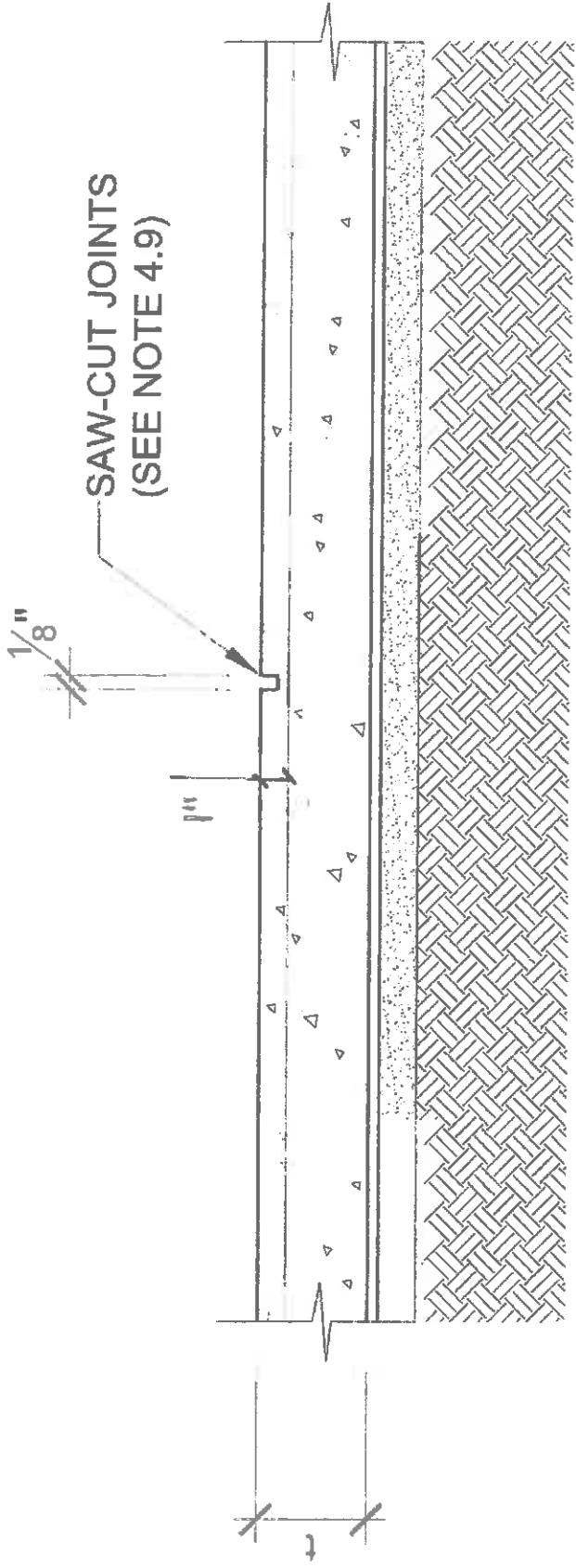
END OF ADDENDUM #1

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Project 26 PALMETTO RD, DEVONSHIRE	Project ref EOG128A	
Component HEAVY TRAFFIC CONC. PAVEMENT	Calc sheet no 1 OF 1	
Drawing ref	Checked	Date JULY 2020
Calc by V. TURNER		

Ref	Calculations	Output
	 <p data-bbox="373 1071 1201 1207">CONCRETE SLAB: 1" (MIN) CONCRETE SLAB ON GRADE, ON 6 MIL POLY, REINFORCED WITH A-193 WIRE MESH, 1 1/2" TOP COVER</p>  <p data-bbox="389 1596 1282 1648">TYPICAL SLAB ON GRADE CONSTRUCTION JOINT</p> <p data-bbox="324 1764 1071 1869">* REFER TO ATTACHED CIVIL NOTES (PAGES 1-4)</p>	



NOTES:

1. t = SLAB THICKNESS AS NOTED ON DRAWINGS.
2. SAW-CUT JOINTS USING A "SOFT-CUT" MACHINE IMMEDIATELY AFTER FINISHING SLAB.
3. FILL JOINTS WITH EPOXY SEALANT AFTER SLAB HAS BEEN CURED.
4. CONSTRUCTION JOINT MAY REPLACE CONTRACTION JOINT.
5. REFER TO PLANS AND/OR SPECIFICATIONS FOR JOINT LOCATIONS.

1. GENERAL NOTES

- 1.1. THESE NOTES APPLY TO ALL DRAWINGS.**
- 1.2. CHECK ALL DIMENSIONS ON DETAILS WITH THE ARCHITECTURAL DRAWINGS. REPORT ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.**
- 1.3. UNLESS NOTED OTHERWISE (UNO) THE CONTRACTOR SHALL SUPPLY ALL OF THE NECESSARY MATERIALS TO COMPLETE THE WORK.**
- 1.4. DO NOT SCALE THE DRAWINGS. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO COMMENCING WORK.**
- 1.5. WHERE SITE CONDITIONS VARY FROM THE RECORD DRAWINGS, THE CONTRACTOR SHALL CONTACT A REGISTERED STRUCTURAL/CIVIL ENGINEER TO OBTAIN ALTERNATIVE DETAILS.**
- 1.6. THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY DATA SHOWN ON THE PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THESE PLANS.**
- 1.7. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS UNLESS OTHERWISE NOTED.**
- 1.8. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.**
- 1.9. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITY THAT MAY EXIST ON SITE MUST BE LOCATED AND VERIFIED.**
- 1.10. WHERE APPLICABLE, TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.**
- 1.11. ALL UNDERGROUND SERVICES, MATERIALS AND INSTALLATIONS TO BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND CODES OF THE MINISTRY OF PUBLIC WORKS.**
- 1.12. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.**
- 1.13. REINSTATE SOFT SURFACES WITH 75mm TOPSOIL, SEED AND MULCH. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.**
- 1.14. TREES DESIGNATED BY THE ENGINEER MUST BE PROTECTED AND MAINTAINED DURING CONSTRUCTION.**
- 1.15. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF AUTHORITIES.**

- 1.16. RESTORE ALL TRENCHES AND SURFACES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF AUTHORITIES.
- 1.17. CONTRACTOR TO EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AT CONTRACTOR'S EXPENSE.
- 1.18. THE CONTRACTOR SHALL PROVIDE AT ALL TIMES AND AT NO EXTRA COST TO THE OWNER, ADEQUATE PEDESTRIAN AND VEHICULAR ACCESS AND CONTINUITY OF UTILITY SERVICES TO PROPERTIES ADJOINING THE WORKING AREA.
- 1.19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS.
- 1.20. THE CONTRACTOR SHALL PROVIDE AT ALL TIMES AND AT NO EXTRA COST TO THE OWNER ACCESS TO ALL OTHER UTILITIES LOCATED IN THE WORKING AREA. WHERE ANY INTERRUPTIONS IN THE SUPPLY OF UTILITY SERVICES ARE REQUIRED AND ARE AUTHORIZED, THE CONTRACTOR SHALL GIVE THE AFFECTED PROPERTY OWNERS NOTICE AND SHALL ARRANGE SUCH INTERRUPTIONS SO AS TO CREATE A MINIMUM OF INTERFERENCE TO THOSE AFFECTED.
- 1.21. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY PERMITS, LICENCES, AND CERTIFICATES, THAT ARE REQUIRED FOR THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL ARRANGE FOR ALL NECESSARY INSPECTIONS REQUIRED BY THE APPROVALS AND PERMITS.

2. EROSION AND SEDIMENT CONTROL NOTES

- 2.1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, TEMPORARY SEDIMENT CONTROL TO BE IMPLEMENTED DURING CONSTRUCTION ON ALL PROPOSED ROAD.
- 2.2. TEMPORARY SEDIMENT CONTROL TO BE IMPLEMENTED DURING CONSTRUCTION. INSTALL FILTER CLOTH UNDER GRATE OF COVER ON ALL EXISTING ROAD CATCHBASINS WITHIN THE CONSTRUCTION LIMITS AND ANY CATCHBASINS IMMEDIATELY DOWNSTREAM OF CONSTRUCTION AREA. INSTALLATION, MAINTENANCE AND REMOVAL OF SEDIMENT CONTROL MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR. NO RECYCLED GEOTEXTILE MATERIAL SHALL BE PERMITTED FOR USE ON SITE.
- 2.3. ALL EQUIPMENT AND MATERIALS SHOULD BE OPERATED AND STORED IN A MANNER TO PREVENT THE ENTRY OF ANY DELETERIOUS SUBSTANCE (EG. PETROLEUM PRODUCTS, SILT, ETC) INTO THE WATER.
- 2.4. AT THE DISCRETION OF THE PROJECT MANAGER OR MUNICIPAL STAFF, ADDITIONAL SILT CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATIONS.

- 2.5. SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED TO THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED.
- 2.6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN EFFECTIVE WORKING ORDER. THE CONDITION OF THE CONTROL MEASURES SHALL BE MONITORED PRIOR TO ANY FORECAST STORM EVENT AND FOLLOWING A STORM EVENT.
- 2.7. DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE USE OF WATER, CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS.
- 2.8. ALL 'GREEN AREAS' TO BE TREATED WITH 75mm TOPSOIL, SEED AND MULCH. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- 2.9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
- 2.10. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM CATCHBASINS, MANHOLES), AND BE SURROUNDED BY EROSION CONTROL MEASURES WHERE MATERIAL IS LEFT IN PLACE IN EXCESS OF 14 DAYS.

3. CONCRETE AND ASPHALT NOTES

- 3.1. ALL STRUCTURAL CONCRETE SHALL ACHIEVE A MINIMUM CYLINDER COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, (UNO).
- 3.2. ALL RUBBLE CONCRETE SHALL ACHIEVE A MINIMUM CYLINDER COMPRESSIVE STRENGTH OF 1500 PSI AT 28 DAYS, (UNO).
- 3.3. CONCRETE SHALL BE MECHANICALLY COMPACTED IN THE APPROVED MANNER.
- 3.4. CONCRETE COVER TO REBARS SHALL BE AS SPECIFIED ON THE DRAWINGS.
- 3.5. CONCRETE MIX DESIGN TO BE SUBMITTED TO A REGISTERED STRUCTURAL ENGINEER FOR APPROVAL.
- 3.6. NO ADDITIVES TO BE USED WITHOUT THE PRIOR APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER.
- 3.7. ONLY PERSONNEL WITH EXPERIENCE IN STRUCTURAL CONCRETE SHALL BE RESPONSIBLE FOR THE PLACEMENT OF CONCRETE IN ACCORDANCE WITH SECTION 12 BRBC 2014.

- 3.8. DO NOT CUT OR CORE ANY OPENINGS OR THEIR LIKE IN ANY STRUCTURAL CONCRETE MEMBERS WITHOUT PRIOR WRITTEN APPROVAL FROM A REGISTERED STRUCTURAL ENGINEER.
- 3.9. EXCAVATE TO THE REQUIRED DEPTH. SEPARATE THE NATIVE SOIL FROM ANY GRANULARS. ALL UNSUITABLE AND/OR ORGANIC MATERIAL WITHIN A 24" DEPTH OF THE SUBGRADE SHALL BE REMOVED.
- 3.10. JUST PRIOR TO PLACING THE CONCRETE, THE SUBGRADE SHALL BE REGRADED (IF REQUIRED) AND RECOMPACTED.
- 3.11. SUITABLE SUBGRADES SHALL ENCOMPASS A WELL COMPACTED AND UNDISTURBED FOUNDATION OF OLD ROADS, SOLID ROCK, WELL GRADED GRAVELS COMPACTED TO AN AIR-VOID CONTENT OF 5% OR LESS HAVING A C.B.R. OF NOT LESS THAN 100% AT THE HIGHEST MOISTURE CONTENT LIKELY TO OCCUR IN THE ROAD. THE MINIMUM ACCEPTED COMPACTION FOR THE BACKFILL SHALL BE 95% STANDARD PROCTOR.
- 3.12. CONCRETE SLABS SHALL HAVE CONTROL JOINTS PLACED AT 15FT C/C IN EITHER DIRECTION. SIZE, DEPTH AND REINFORCEMENT OF CONTROL JOINTS SHALL BE INSTATED AS SPECIFIED IN THE DRAWINGS.

4. INSPECTION AND TESTING

- 4.1. CONTRACTOR TO PROVIDE 24 HOURS NOTICE FOR THE INSPECTION OF ALL REINFORCING, INCLUDING MASONRY REINFORCING PRIOR TO PLACING CONCRETE.
- 4.2. CONCRETE TO BE TESTED BASED ON SPECIFICATION REQUIREMENTS. TESTING TO BE DONE BY THE SUPPLIER.