



ENGINEERING MANAGEMENT & PLANNING SERVICES CORPORATION

1998 ARMY DRIVE ROUTE 16, 2ND FLOOR EMPSCO, DEDEDO, GUAM 96929 PO BOX 21794 GMF, BARRIGADA, GU 96921

TEL (671) 638-4716/5716 FAX (671) 638-2136

UNIT 2117 Cityland 10 Tower 1, H.V. Dela Costa Street Makati City TEL (632) 843-0918

August 17, 2017

Ms Carl V. Dominguez
Acting Director
Guam Bureau of Statistics and Plans
P.O. Box 2950
Hagatna, Guam 96932
Tel (671) 477-4201
Fax (671) 477-1812

Attention: Ms Tina Mafnas, Planner
Guam Coastal Resources Management Program

Subject: **Bayside Wastewater Pump Station Rehabilitation Project
Including Expanded Design Scope for Bank Protection
Project- GWA Project No. S15-007-BND
Guam Coastal Management Act Federal Consistency Consultation**

Dear Sir/Madam,

On behalf of Guam Waterworks Authority, we would like to initiate the needed consultation with your office to seek approval of the proposed sewage pump station rehabilitation project.

In this regards, we are submitting herewith for your review a set of the proposed project design plans and specifications which depicts the scope of the rehabilitation work as follows:

Existing Sewage Pump Station

- Building a new retaining wall to resolve the eroding area at southwest corner of site
- Provide new chain link fencing with vehicle gate around the station,
- Provide two new two new submersible pumps (one duty and one backup) in operation for the station wet well and re-configure discharge piping and valves to increase hydraulic efficiency and eliminate trip hazards
- Provide new electrical power and pump control system and components
- Provide new standby power generator with all controls
- Improve the area lighting with motion detector controls
- Restore the adequacy of the existing electrical grounding system
- Provide new exhaust ventilation system to the sanitary wet well
- Provide operable hatch cover on concrete collar for the existing sewage manhole
- Provide new vandal-proof metal grille enclosure around generator
- Provide new hollow metal door for station entry and provide one louver window
- Paint all existing and new surfaces of the existing building

Easement Entrance

- Rock revetment (after-the-fact) installed by DPW/GPA

PROJECT: **Bayside SPS Rehabilitation Project**
Letter to BSP August 17, 2017

- Provide new barricade pipe gate for vehicle access control.

Other documents included with this submission are the following:

- Guam Coastal Resources Management Form Dated August 17, 2017
- 2017 Nationwide PCN Form

During the construction of the new retaining walls at the pump station and other minor earthworks, the plans calls for the contractor to provide adequate temporary erosion and sedimentation control protection measures.

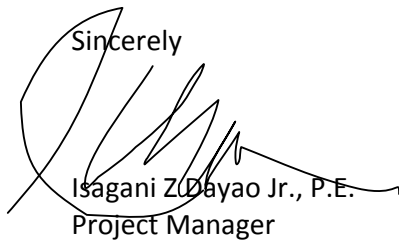
Detailed Plans and Specifications that will enable the contractor to properly provide and implement these necessary environmental protection and control systems have been included such as silt fences and soil storage systems. The contractor will be required to submit an environmental protection plan and a dewatering plan if necessary for review and approval prior to starting any construction.

We certify that the proposed activity complies with the enforceable policies of the Guam Coastal Management Program and will be conducted in a manner consistent with such Program.

If you have any immediate questions concerning this project, kindly contact me at our office number indicated herewith or my mobile 671-4827928.

Thank you very much and we look forward to your guidance.

Sincerely



Isagani Z. Dayao Jr., P.E.
Project Manager

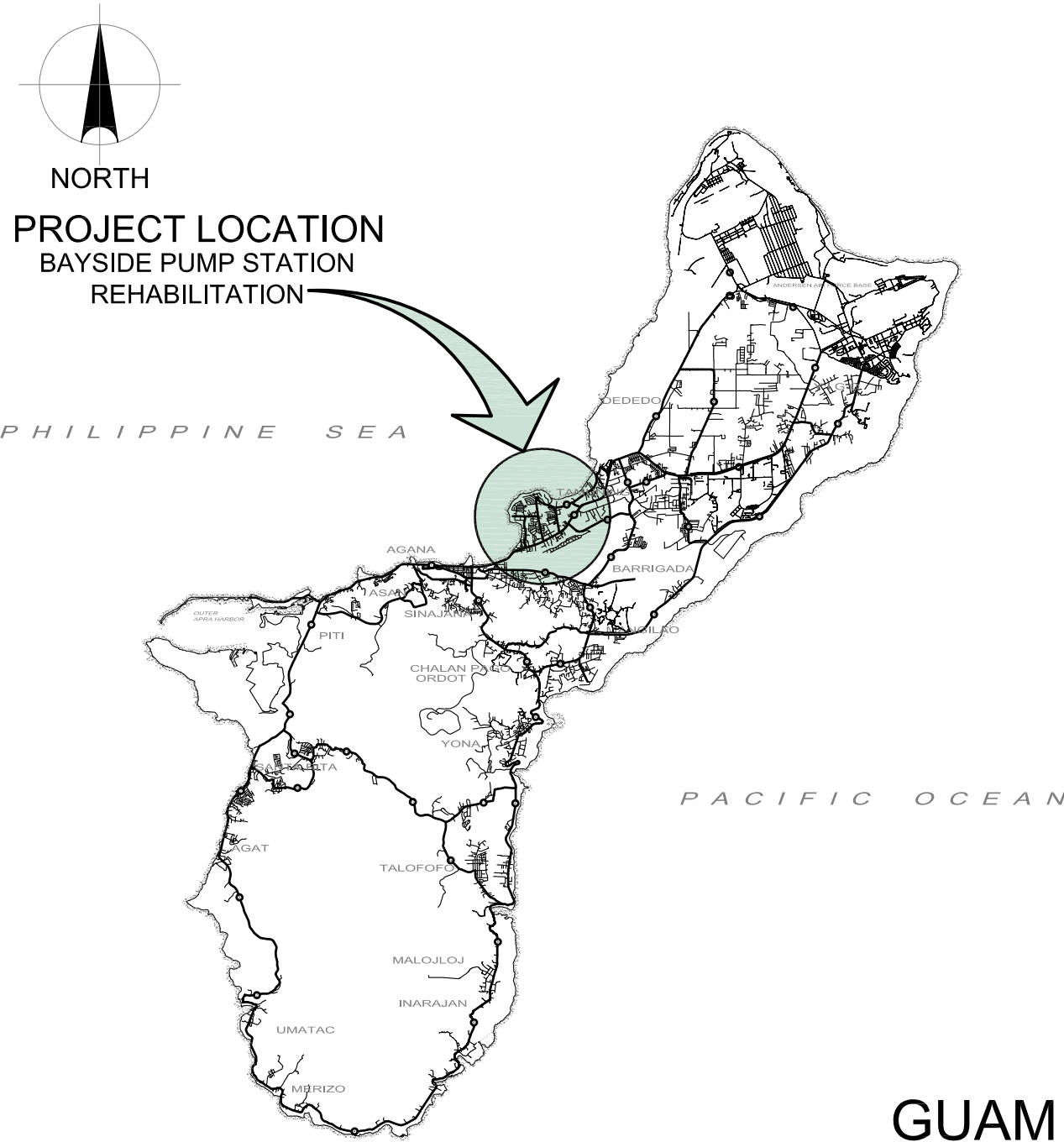
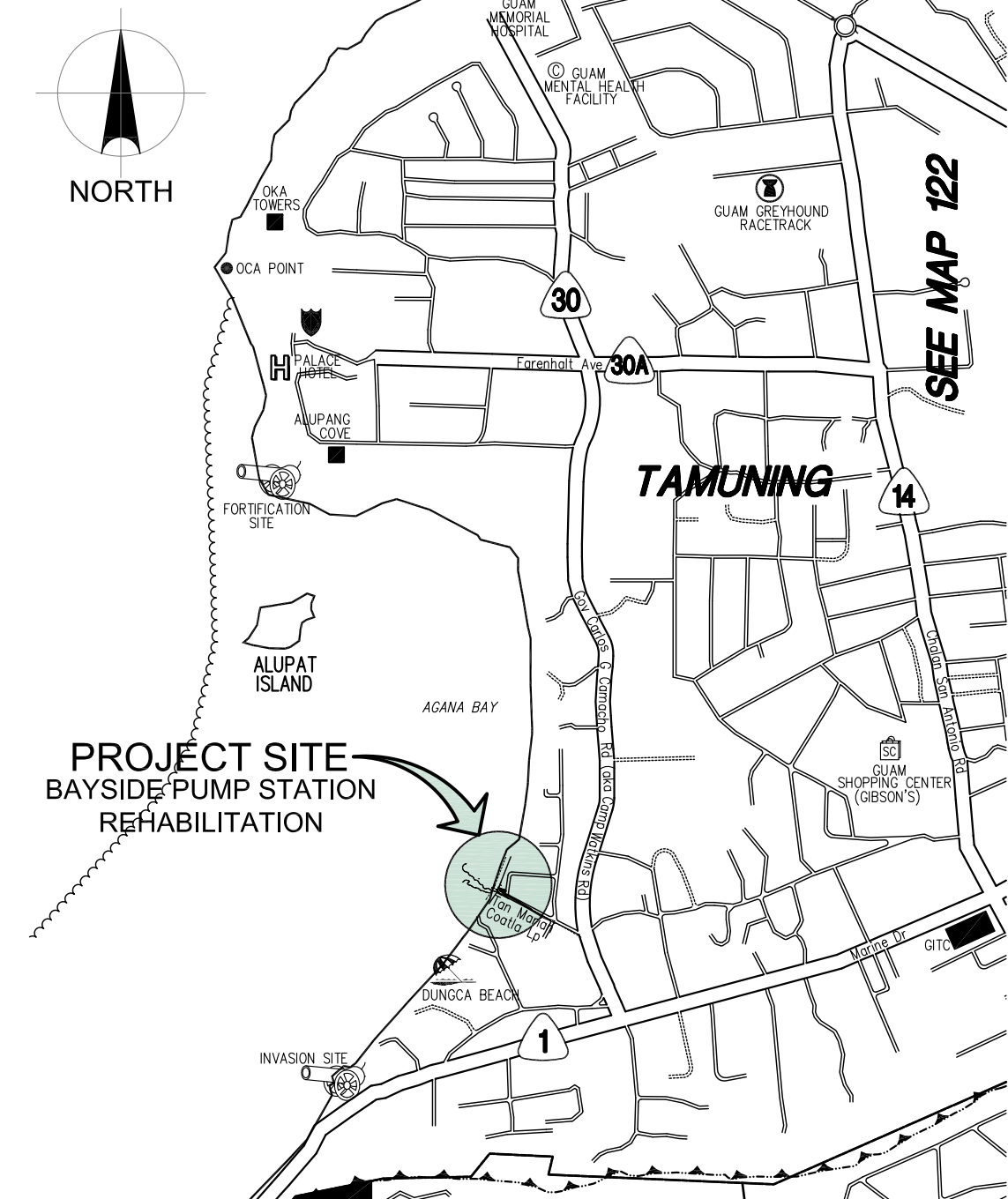
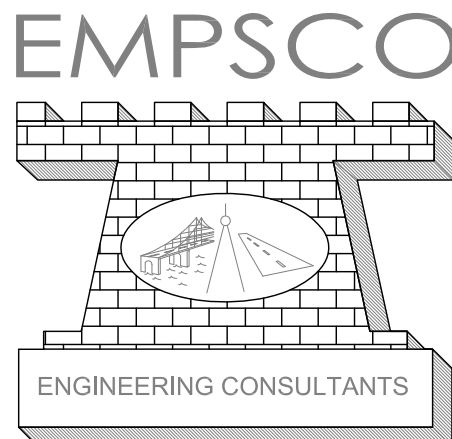
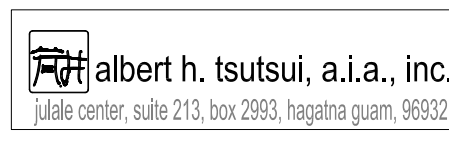
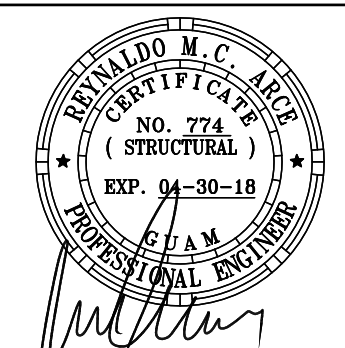
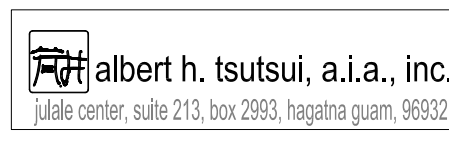
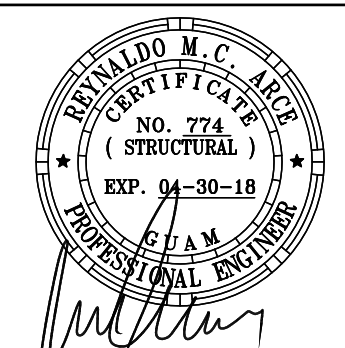
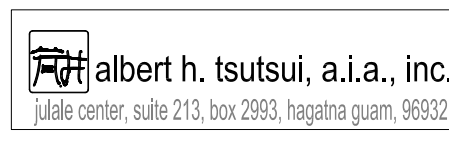
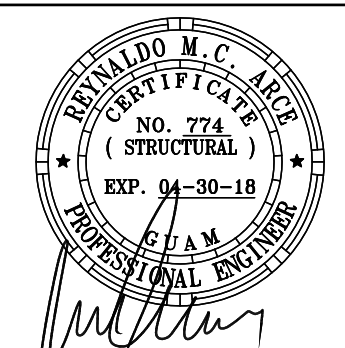
Attachments:

- Proposed Plans and Specifications
- GCMP Assessment Form
- Draft USACOE PCN Application

Cc: Thomas F. Cruz, P.E., Guam Waterworks Authority

GOVERNMENT OF GUAM
GUAM WATERWORKS AUTHORITY
BAYSIDE PUMP STATION REHABILITATION

PROJECT NUMBER S15-007-BND
CHALAN GOVERNOR CARLOS CAMACHO, TAMUNING, GUAM

LOCATION MAP  NORTH PROJECT LOCATION BAYSIDE PUMP STATION REHABILITATION PHILIPPINE SEA PACIFIC OCEAN GUAM	VICINITY MAP  NORTH PROJECT SITE BAYSIDE PUMP STATION REHABILITATION TAMUNING SEE MAP 122	DRAWING INDEX <table><tr><td>1 OF 27</td><td>T-1.0</td><td>TITLE, LOCATION MAP, VICINITY MAP, GENERAL NOTES, LEGEND AND SYMBOLS, DRAWING INDEX, COCTRACOR AND CONSULTANTS.</td></tr><tr><td>2 OF 27</td><td>C-1.0</td><td>OVEALL SITE PLAN.</td></tr><tr><td>3 OF 27</td><td>C-2.0</td><td>SITE PLAN.</td></tr><tr><td>4 OF 27</td><td>C-3.0</td><td>CIVIL DETAILS.</td></tr><tr><td>5 OF 27</td><td>C-3.1</td><td>CHAINLINK FENCE AND GATE DETAILS.</td></tr><tr><td>6 OF 27</td><td>C-4.0</td><td>SITE SECTIONS.</td></tr><tr><td>7 OF 27</td><td>A-1.1</td><td>DEMOLITION PLAN-PUMP HOUSE LOWER FLOOR, DEMOLITION PLAN-PUMP HOUSE GROUND FLOOR, DEMOLITION PLAN-GENERATOR HOUSE & DEMOLITION KEYED NOTES.</td></tr><tr><td>8 OF 27</td><td>A-1.2</td><td>DEMOLITION/DAMAGE LOCATION-EXISTING PUMP HOUSE ELEVATIONS, DEMOLITION/DAMAGED LOCATION-EXISTING GENERATOR HOUSE ELEVATIONS AND DEMOLITION KEYED NOTES.</td></tr><tr><td>9 OF 27</td><td>A-1.3</td><td>EXISTING PUMP HOUSE BUILDING LONGITUDINAL SECTION DEMOLITION, EXISTING PUMP HOUSE BUILDING CROSS SECTION DEMOLITION AND DEMOLITION KEYED NOTES.</td></tr><tr><td>10 OF 27</td><td>A-2.1</td><td>NEW FLOOR PLAN-PUMP HOUSE LOWER FLOOR, NEW FLOOR PLAN-PUMP HOUSE GROUND FLOOR, NEW FLOOR PLAN-GENERATOR HOUSE AND NEW WORKS KEYED NOTES.</td></tr><tr><td>11 OF 27</td><td>A-3.1</td><td>NEW PUMP HOUSE ELEVATIONS, NEW GENERATOR HOUSE ELEV & NEW WORKS KEYED NOTES.</td></tr><tr><td>12 OF 27</td><td>A-4.1</td><td>NEW PUMP HOUSE LONGIT SECTION, NEW PUMP HOUSE CROSS SECTION & NEW WORKS KEYED NOTES.</td></tr><tr><td>13 OF 27</td><td>A-4.2</td><td>NEW GENERATOR HOUSE CROSS & LONGITUDINAL SECTIONS, GALVANIZED PIPE RAILING DETAILS & NEW WORKS KEYED NOTES.</td></tr><tr><td>14 OF 27</td><td>A-5.1</td><td>DOOR ELEVATIONS & SCHEDULE, LOUVERED WINDOW ELEVATION & SCHEDULE, ROOM FINISH SCHEDULE, EXTERIOR FINISH & COLOR SCHEDULE, INTERIOR FINISH COLOR SCHEDULE, KEY TO ROOM FINISHES AND ABBREVIATIONS.</td></tr><tr><td>15 OF 27</td><td>A-5.2</td><td>DOOR AND LOUVER WINDOW DETAILS.</td></tr><tr><td>16 OF 27</td><td>S-0.1</td><td>STRUCTURAL NOTES.</td></tr><tr><td>17 OF 27</td><td>S-1.1</td><td>CONCRETE TOPPING PLAN-PUMP HOUSE WET WELL, NEW CONCRETE COLUMN PLAN FOR HOIST BEAM-PUMP ROOM, & CONCRETE CONTAINMENT PLAN-GENERATOR HOUSE.</td></tr><tr><td>18 OF 27</td><td>S-2.1</td><td>CMU RETAINING WALL DETAIL, CANTELIVER SHEET PILE RETAINING WALL, STEEL SHEET PILE RETAINING WALL, STL SHEET PILE PLAN & STEEL SHEET PILE SECTION.</td></tr><tr><td>19 OF 27</td><td>S-2.2</td><td>MISCELLANEOUS DETAILS AND CONCRETE COLUMN DETAILS.</td></tr><tr><td>20 OF 27</td><td>S-2.3</td><td>CONCRETE COLLAR DETAIL, TYPICAL CONCRETE CONTAINMENT CURB DETAIL, CONCRETE STOOP DETAIL.</td></tr><tr><td>21 OF 27</td><td>M-0.1</td><td>NOTES, DETAILS, SCHEDULES, LEGENDS AND ABBREVIATIONS.</td></tr><tr><td>22 OF 27</td><td>M-1.1</td><td>DEMOLITION PLAN.</td></tr><tr><td>23 OF 27</td><td>M-2.1</td><td>MECHANICAL PLAN. 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THE CONTRACTOR SHALL COORDINATE WITH OWNERS REPRESENTATIVE AND OBTAIN OWNER'S APPROVAL PRIOR TO COMMENCING THE CONSTRUCTION OF SUCH TEMPORARY FACILITIES. - DURING REMOVAL/DEMOLITION WORKS AND NEW DISCHARGE PIPE CONNECTION TO EXISTING FORCE MAIN. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DEFECTS OF CONDITIONS THAT AFFECT THE SAFE CONDUCT OF THE WORK. - EQUIPMENT CONFIGURATION, DIMENSIONS AND PIPING CONNECTIONS SHOWN ON THE DRAWINGS ARE BASED ON MANUFACTURERS DATA PROVIDED DURING DESIGN DEVELOPMENT. CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND CONFIRM EQUIPMENT CONFIGURATION, DIMENSIONS AND CONNECTIONS WITH MANUFACTURER FOR PROPER PLACEMENT AND FIT DURING CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOR PROMPT RESOLUTION. - UNLESS OTHERWISE NOTED, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION. - INSTALL NEW MATERIALS, EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, THE SPECIFICATIONS, AND APPLICABLE STANDARDS OF THE AMERICAN WATERWORKS ASSOCIATION (AWWA).	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15 OF 27	A-5.2	DOOR AND LOUVER WINDOW DETAILS.																																																																																																																																						
16 OF 27	S-0.1	STRUCTURAL NOTES.																																																																																																																																						
17 OF 27	S-1.1	CONCRETE TOPPING PLAN-PUMP HOUSE WET WELL, NEW CONCRETE COLUMN PLAN FOR HOIST BEAM-PUMP ROOM, & CONCRETE CONTAINMENT PLAN-GENERATOR HOUSE.																																																																																																																																						
18 OF 27	S-2.1	CMU RETAINING WALL DETAIL, CANTELIVER SHEET PILE RETAINING WALL, STEEL SHEET PILE RETAINING WALL, STL SHEET PILE PLAN & STEEL SHEET PILE SECTION.																																																																																																																																						
19 OF 27	S-2.2	MISCELLANEOUS DETAILS AND CONCRETE COLUMN DETAILS.																																																																																																																																						
20 OF 27	S-2.3	CONCRETE COLLAR DETAIL, TYPICAL CONCRETE CONTAINMENT CURB DETAIL, CONCRETE STOOP DETAIL.																																																																																																																																						
21 OF 27	M-0.1	NOTES, DETAILS, SCHEDULES, LEGENDS AND ABBREVIATIONS.																																																																																																																																						
22 OF 27	M-1.1	DEMOLITION PLAN.																																																																																																																																						
23 OF 27	M-2.1	MECHANICAL PLAN. MISCELLANEOUS DETAILS																																																																																																																																						
24 OF 27	M-3.1	SECTIONS.																																																																																																																																						
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26 OF 27	E-2.1	POWER AND LIGHTING PLAN AND DIAGRAM.																																																																																																																																						
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 Engineering Management & Planning Services Corporation 1998 ARMY DRIVE, 2/F EMPSCO BUILDING ROUTE 16, DEDEDO, GUAM 96929 Tel. (671) 638.5716 / 638.4716 Fax (671) 638.2136	 Albert H. Tsutsui, a.i.a., inc. 1446 Center, suite 213, box 2983, Hagatna, Guam, 96902	 Engineering Management & Planning Services Corporation 1998 ARMY DRIVE, 2/F EMPSCO BUILDING ROUTE 16, DEDEDO, GUAM 96929 Tel. (671) 638.5716 / 638.4716 Fax (671) 638.2136																																																																																																																																						
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