

Project Title: Proposed New Drilling of PS 16 Villa Isabel			Prepared By:	Project No.
Project Duration: Sixty (60) Calendar Days				
Owner: City of San Fernando Water District			Approved By:	Sheet No.
Location: Brgy. Calulut, CSFP			Date:	

BREAKDOWN OF COST ESTIMATES									
Item	DESCRIPTION	Quantity	Unit	MATERIALS		LABOR/EQUIPMENT		DIRECT COST	
No.				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
1.00	GENERAL REQUIREMENTS								
1.10	Temporary Facility	15.00	sq.m.						
1.20	Power and Water Supply (includes processing of application)	1.00	lot						
1.40	PPEs	1.00	lot						
1.50	Permits (all necessary clearances/permits like HOA, Barangay, Building Permit for Affected Structures subject for demolition during construction, NWRB, DPWH, TELECOM and INTERNET (if any) and other related agencies)	1.00	lot						
	1.5.1 Plans and Drawings (blue printing, signed and sealed from professionals)	1.00	lot						
	1.5.2 As-Built Plans (blue printing, signed and sealed from professionals)	1.00	lot						
1.60	Mobilization/Demobilization (includes equipment, manpower, site clearing before and after drilling)	60.00	days						
2.00	DEMOLITION WORKS								
2.10	Removal of Concrete Perimeter Fence (to access drilling equipment) including	18.60	sq.m.						
3.00	DRILLING WORKS								

Item	DESCRIPTION	Quantity	Unit	MATERIALS		LABOR/EQUIPMENT		DIRECT COST	
No.				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
3.10	Site Preparation and Equipment Setting	1.00	lot						
3.20	Drilling of pilothole including drilling for installation of 30 meters x 500mm (20") permanent conductor casing	244.00	meters						
3.30	Geophysical borehole logging (electric resistivity)	1.00	lot						
3.40	Water conductivity test	244.00	meters						
3.50	Reaming of pithole	244.00	meters						
3.60	Installation of uPVC casing and screens	244.00	meters						
3.70	Furnishing and installation of casing centralizer every 12 meter interval	21.00	pieces						
3.80	Furnishing and installation of gravel packing	220.00	meters						
3.90	Development by backwashing	12.00	hours						
3.9.10	Treatment of well sodium hexametaphosphate	1.00	ls						
3.9.20	Development by high pressure water jetting	12.00	hours						
3.9.30	Development by air-lifting	12.00	hours						
3.9.40	Development by surging and bailing-out of sediments	12.00	hours						
3.9.50	Step-drawdown pumping test	5.00	hours						
3.9.60	Continuous constant discharge rate pumping test	72.00	hours						
3.9.70	Furnishing and install well head cap, gravel fill pipe and water level sounding tube	1.00	lot						
3.9.80	Well disinfection	1.00	ls						
3.9.90	500mm (20") dia.x 6 meter spiral welded BI permanent conductor casing with minimum thickness of 6mm	5.00	pieces						
3.9.9.10	250mm (10") dia.x 3 meter length uPVC Casing Pipe Corrosion Resistance, thickness = 17.60mm, submit sample for approval	130.00	meters						
3.9.9.20	250mm (10") dia.x 3 meter length uPVC Screen Rib-Type Corrosion Resistance, thickness = 17.60mm, submit sample for approval	114.00	meters						
4.00	REPAIR WORKS								

Item	DESCRIPTION	Quantity	Unit	MATERIALS		LABOR/EQUIPMENT		DIRECT COST	
No.				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
4.10	Repair of Concrete Perimeter Fence (L = 6.00m, H = 3.10 m)	6.00	l.m.						
4.20	Painting Works	37.20	sq.m						
	ESTIMATED DIRECT COST								
	OCM (12% of EDC)								
	PROFIT (10% of EDC)								
	VAT (5%)								
	TOTAL CONSTRUCTION COST								

Prepared and Recommended By:

AR. ROCKY M. DUNGCA, Uap

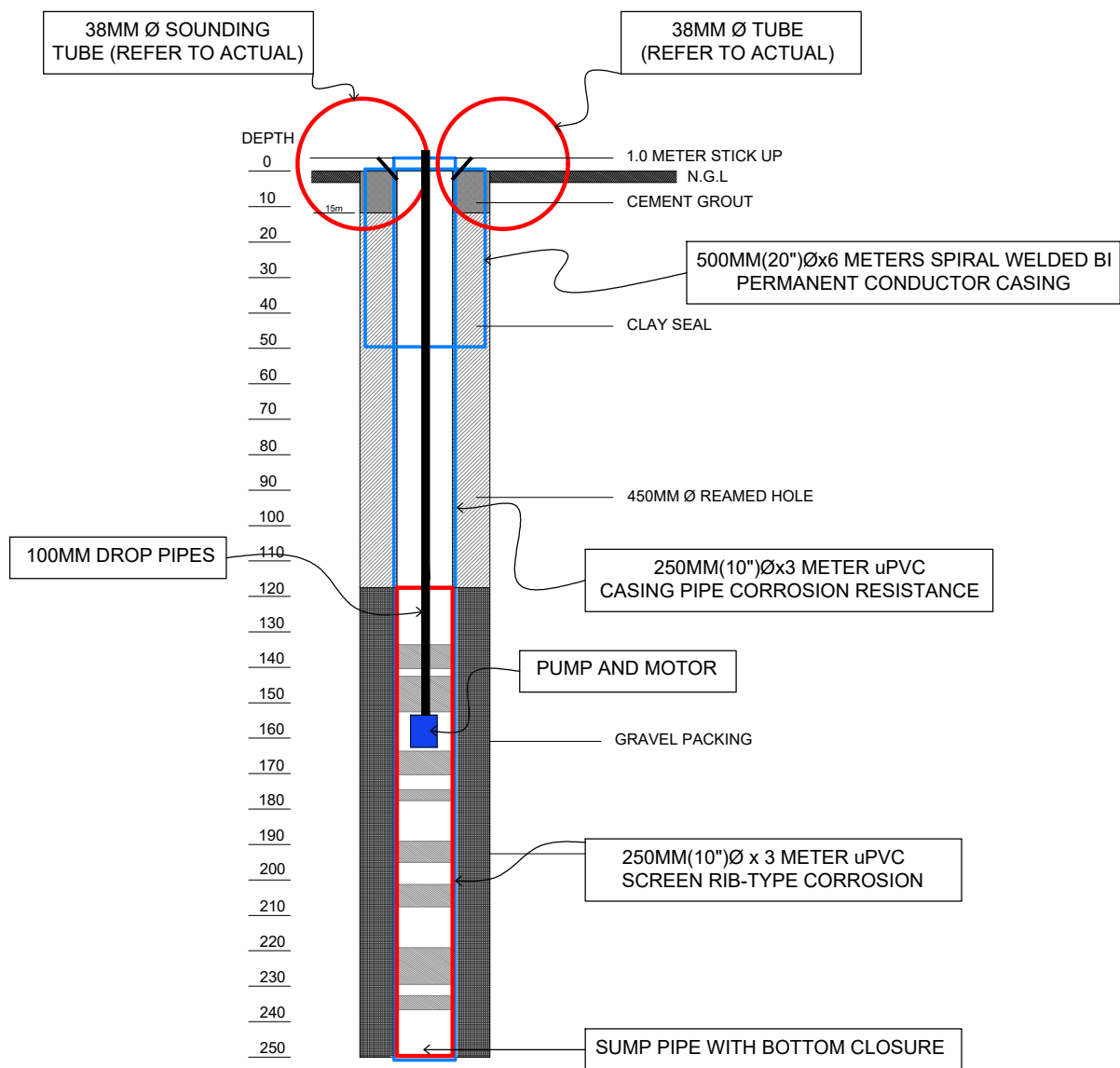
Division Manager

Planning and Development

Approved By:

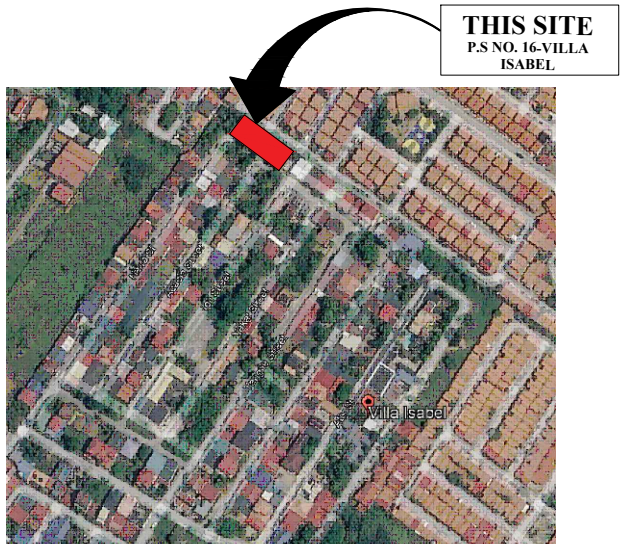
ENGR. NELSON G. LINGAT

General Manager



CSFWD TYPICAL WELL DESIGN

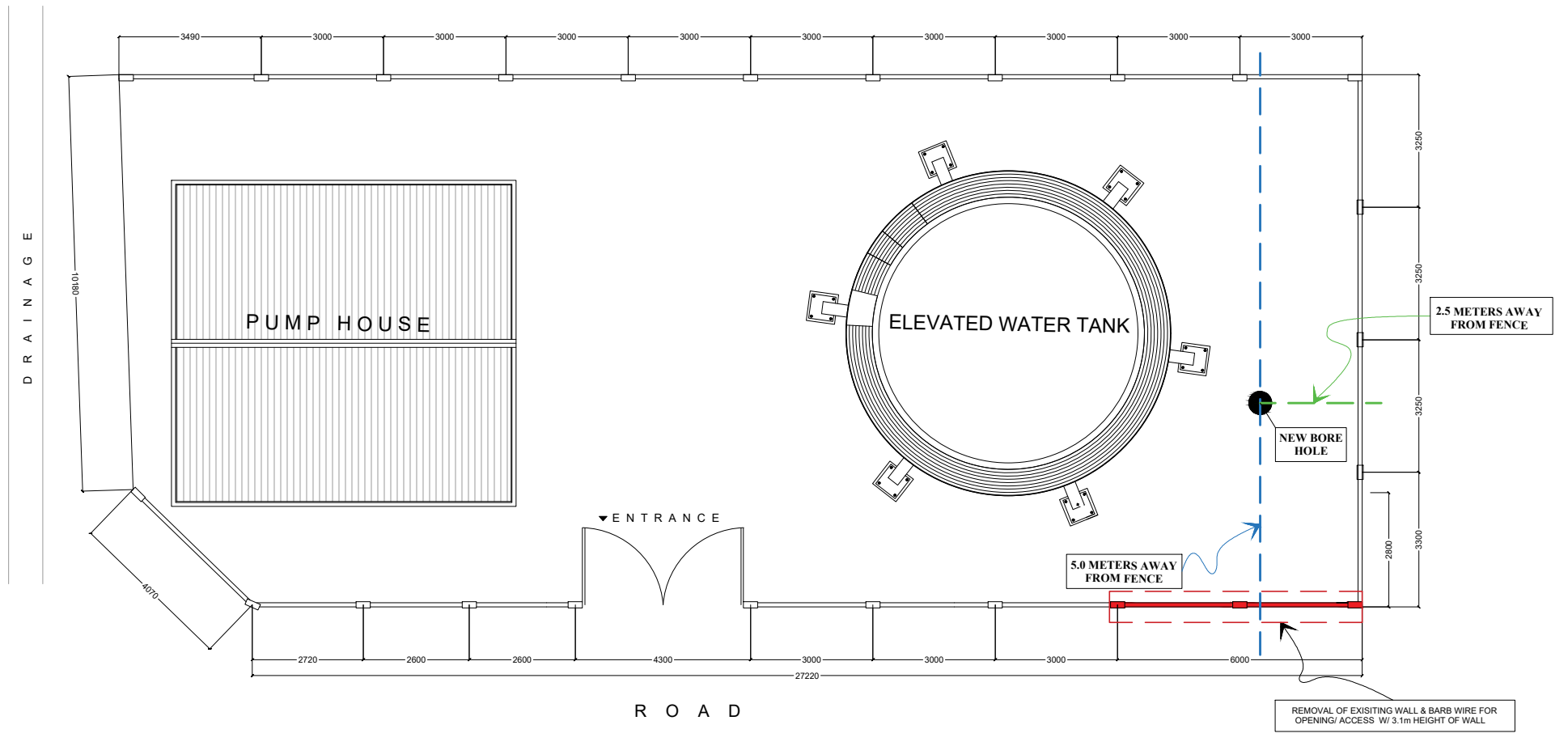
NOT TO SCALE



THIS SITE
P.S NO. 16-VILLA
ISABEL



NEW
BOREHOLE



1 LOCATION MAP

SCALE: NTS



ENGINEER:
JOSE S. GALICIA JR., RME
PRC NO: _____ DATE: _____
PTR NO: _____ PLACE: _____
POSITION: SENIOR PROJECT PLANNING OFFICER
DIVISION: PLANNING & DEVELOPMENT

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R.A. 9266, ART IV SEC 33.

PROJECT NAME:
**PROPOSED RE-DRILLING OF P.S
NO.16
VILLA ISABEL**

LOCATION:
VILLA ISABEL, BRGY CALULUT, CSFP

RECOMMENDED:
AR. ROCKY M. DUNGCA
DIVISION MANAGER
PLANNING AND DEVELOPMENT DIVISION

ADDRESS:
B. MENDOZA STREET, BRGY. SANTO ROSARIO, CSFP

APPROVED:
ENGR. NELSON G. LINGAT, DPA
GENERAL MANAGER
CITY OF SAN FERNANDO WATER DISTRICT

ADDRESS:
B. MENDOZA STREET, BRGY. SANTO ROSARIO, CSFP

REVISION:

SHEET CONTENT:

LOCATION MAP
SOURCE DEVELOPMENT

CAD BY:

SHEET NO.

DESIGNED BY:

CHECKED BY:

DATE:

M-01

2 SOURCE DEVELOPMENT

SCALE: 1:150