

Project Title: Proposed New Source Development at DOLORES HOMESITE			Prepared By:	Project No.
Project Duration: Sixty (60) Calendar Days				
Owner: City of San Fernando Water District			Approved By:	Sheet No.
Location: Barangay Dolores, 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	0	1.00	lot						
1.20	Temporary Facility	15.00	sq.m						
1.30	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	DRILLING WORKS								
2.10	Site Preparation and Equipment Setting	1.00	lot						
2.20	Drilling of pilothole including drilling for installation of 30 meters x 500mm (20") permanent conductor casing	244.00	meters						
2.30	Geophysical borehole logging (electric resistivity)	1.00	lot						
2.40	Water conductivity test	244.00	meters						
2.50	Reaming of pithole	244.00	meters						
2.60	Installation of uPVC casing and screens	244.00	meters						
2.70	Furnishing and installation of casing centralizer every 12 meter interval	21.00	pieces						
2.80	Furnishing and installation of gravel packing	220.00	meters						
2.90	Development by backwashing	12.00	hours						

Item No.	DESCRIPTION	Quantity	Unit	MATERIALS		LABOR/EQUIPMENT		DIRECT COST	
				Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Amount
2.9.10	Treatment of well sodium hexametaphosphate	1.00	ls						
2.9.20	Development by high pressure water jetting	12.00	hours						
2.9.30	Development by air-lifting	12.00	hours						
2.9.40	Development by surging and bailing-out of sediments	12.00	hours						
2.9.50	Step-drawdown pumping test	5.00	hours						
2.9.60	Continuous constant discharge rate pumping test	72.00	hours						
2.9.70	Furnishing and install well head cap, gravel fill pipe and water level sounding tube	1.00	lot						
2.9.80	Well disinfection	1.00	ls						
2.9.90	500mm (20") dia.x 6 meter spiral welded BI permanent conductor casing with minimum thickness of 6mm	5.00	pieces						
2.9.9.10	250mm (10") dia.x 3 meter length uPVC Casing Pipe Corrosion Resistance, thickness = 17.60mm, submit sample for approval	130.00	meters						
2.9.9.20	250mm (10") dia.x 3 meter length uPVC Screen Rib-Type Corrosion Resistance, thickness = 17.60mm, submit sample for approval	114.00	meters						
	ESTIMATED DIRECT COST								
	OCM (__ % of EDC)								
	PROFIT (__ % of EDC)								
	VAT (__ %)								
	TOTAL CONSTRUCTION COST								

Prepared and Recommended By:

AR. ROCKY M. DUNGCA, Uap

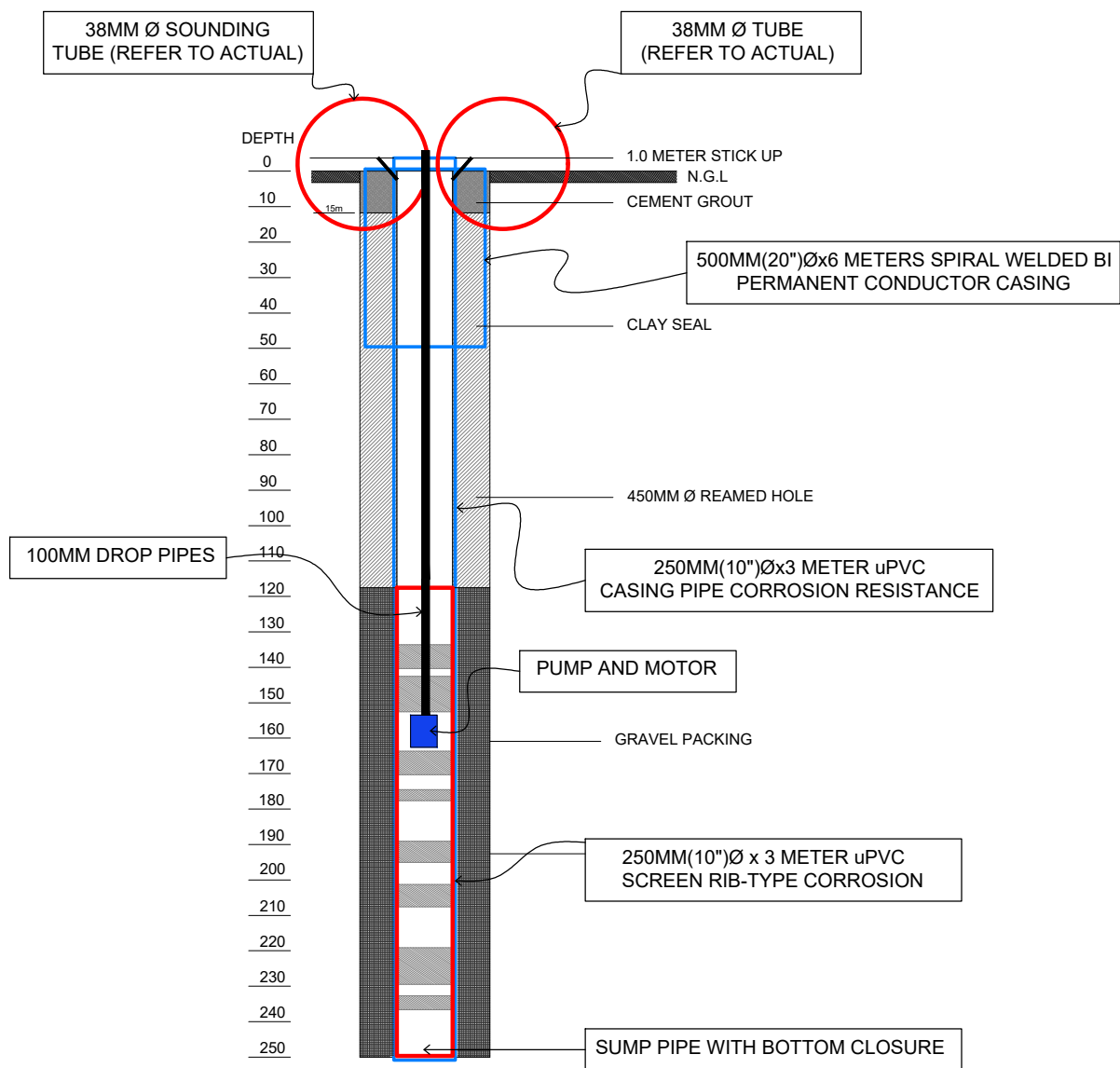
Division Manager

Planning and Development

Approved By:

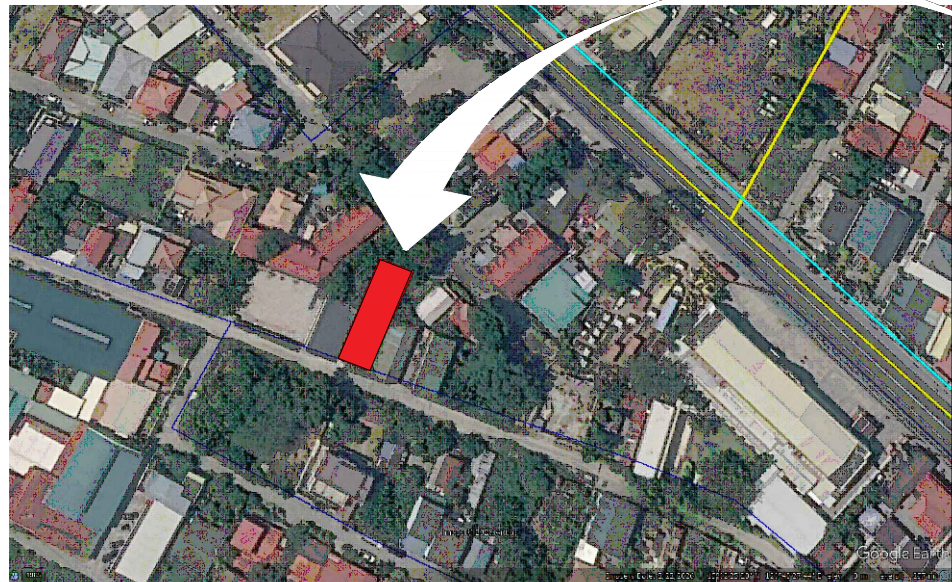
ENGR. NELSON G. LINGAT

General Manager

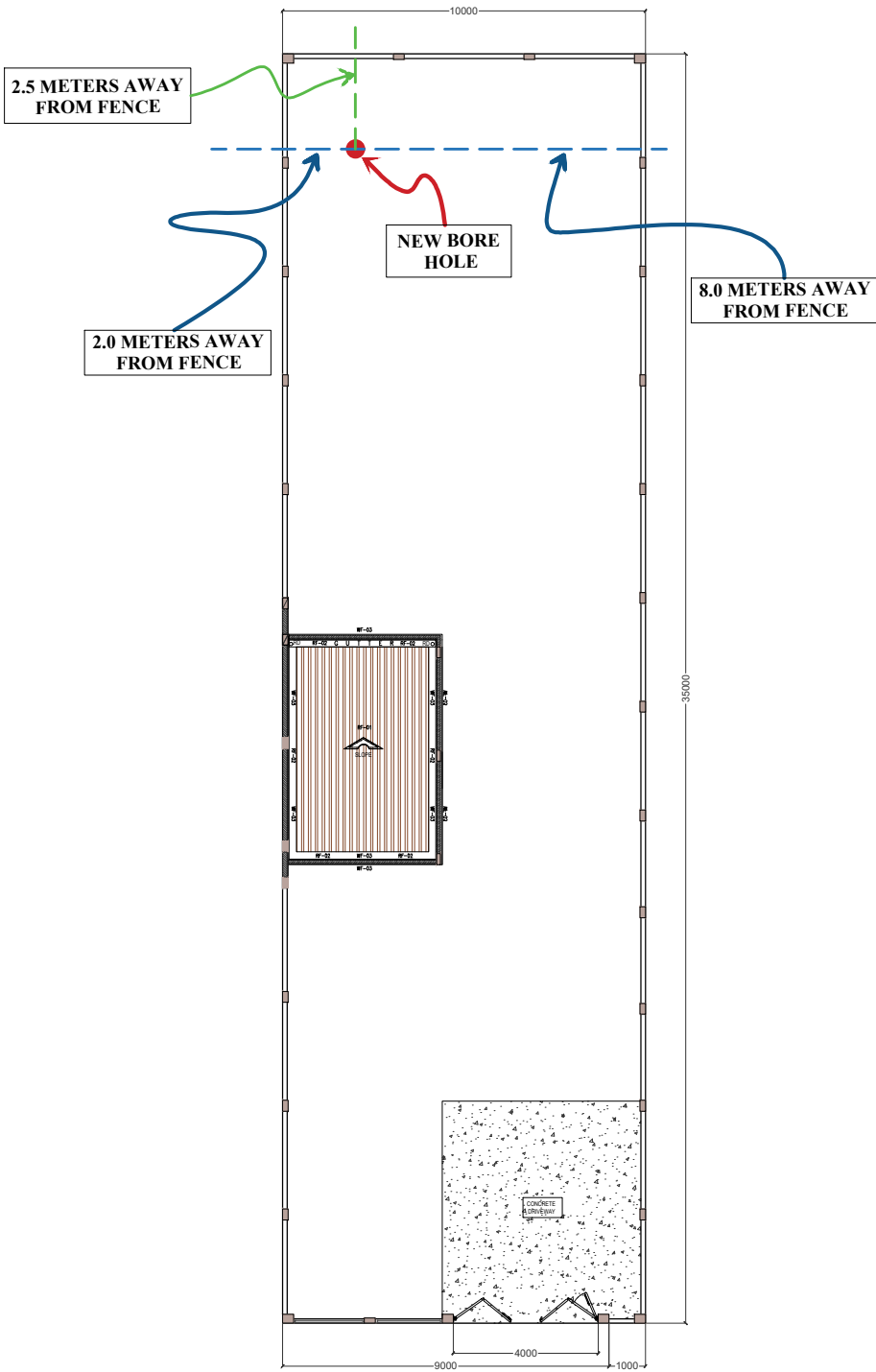


CSFWD TYPICAL WELL DESIGN

NOT TO SCALE



THIS SITE
NEW SOURCE DEVELOPMENT
DOLORES HOMESITE



1	LOCATION MAP										2	SOURCE DEVELOPMENT																	
	NTS											1:200M																	
 CITY OF SAN FERNANDO WATER DISTRICT B. MENDOZA ST., STO. ROSARIO, CITY OF SANFERNANDO, PAMPANGA												ENGINEER:		THESE DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF THE ARCHITECT. ANY UNAUTHORIZED DUPLICATION OR REPRODUCTION IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT IS STRICTLY PROHIBITED.		PROJECT NAME:		RECOMMENDED:		APPROVED:		REVISION:		SHEET CONTENT:		CAD BY:		SHEET NO.	
												JOSE S. GALICIA JR., RME				PROPOSED NEW SOURCE DEVELOPMENT AT DOLORES HOMESITE		AR. ROCKY M. DUNGCA DIVISION MANAGER PLANNING AND DEVELOPMENT DIVISION		ENGR. NELSON G. LINGAT, DPA GENERAL MANAGER CITY OF SAN FERNANDO WATER DISTRICT				LOCATION MAP SOURCE DEVELOPMENT		DESIGNED BY:		M-01	
												PRC NO: _____ DATE: _____ PTR NO: _____ PLACE: _____				LOCATION:		ADDRESS:		ADDRESS:									
												POSITION: SENIOR PROJECT PLANNING OFFICER				R.A. 9266, ART IV SEC 33.		DOLORES HOMESITE, CITY OF SAN FERNANDO PAMPANGA		B. MENDOZA STREET, BRGY. SANTO ROSARIO, CSFP		B. MENDOZA STREET, BRGY. SANTO ROSARIO, CSFP							
												DIVISION: PLANNING & DEVELOPMENT																	