

Ecan Map
So. Macandring, Brgy Langogan,
Puerto Princesa City



Figure 5

**GENERIC INITIAL ENVIRONMENTAL EXAMINATION (IEE)
CHECKLIST REPORT**

for

**CONCRETING OF BUKANG LIWAYWAY TO
MACANDRING FARM TO MARKET ROAD
PROJECT**

*City Government of Puerto Princesa
Proponent*



*Barangay Langogan
Puerto Princesa City*

TABLE OF CONTENTS

PROJECT FACT SHEET	1
--------------------------	---

I. PROJECT DESCRIPTION

1.1 Project Location and Area.....	2
1.2 Project Components and Facilities.....	2
1.3 Utilities/Requirements (Operation Phase).....	5
1.4 Manpower	5
1.5 Indicative Project Cost	5

II. ENVIRONMENTAL IMPACTS AND MANAGEMENT PLAN

2.1 Land	6
2.2 Water	8
2.3 Air / Noise	11
2.4 People	12

III. ABANDONMENT/ DECOMMISSIONING/REHABILITATION POLICIES AND GENERIC GUIDELINES

15

IV. INSTITUTIONAL PLAN FOR EMP IMPLEMENTATION

15

Tables

Table 1. Schedule of Trapezoidal Canal and Riprap/Slope Protection...	3
Table 2. Schedule of RCCP Cross Drains and Box Culverts.....	

ATTACHMENTS

SWORN ACCOUNTABILITY OF THE PROPONENT	16
---	----

SWORN ACCOUNTABILITY OF THE PREPARER	17
--	----

Generic IEE Checklist Report

*Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langogan, Puerto Princesa City*

ANNEXES

- Annex 1. Barangay Resolution No. 32 s. 2014 issued by the Brgy Council of Barangay Langogan, Puerto Princesa
- Annex 2. Public Consultation on Concreting of Farm to Market Road from Bukang Liwayway to Sitio Macandring, Brgy. Langogan, Puerto Princesa City
- Annex 3. Public Consultation on Concreting of Farm to Market Road from Bukang Liwayway to Sitio Macandring, Brgy. Langogan, Puerto Princesa City
- Annex 4. Katibayan ng Suporta (Samahan ng mga Katutubong Batak sa Barangay Langogan)
- Annex 5. Katibayan ng Suporta (Samahan ng mga Katutubong Tagbanua sa Barangay Langogan)
- Annex 6. City Zoning Certification issued by the City Zoning Division
- Annex 7. NCIP Certification
- Annex 8. DPWH Certification
- Annex 9. Certificate of Non-Overquarrying of Materials issued by Acting City ENRO
- Annex 10. Sub –Project Program of Works

FIGURES

- Figure 1. Puerto Princesa City Map/Location Map
- Figure 2. Panoramic Views of the Start of the Project Area
- Figure 3. Landslide Susceptibility Map of Puerto Princesa
- Figure 4. Flood Susceptibility Map of Puerto Princesa
- Figure 5. Environmentally Critical Area Network (ECAN) Map

GENERIC INITIAL ENVIRONMENTAL EXAMINATION (IEE) CHECKLIST REPORT
for

CONCRETING OF BUKANG LIWAYWAY TO MACANDRING (FMR) PROJECT

Project Name or Title

PROJECT FACT SHEET

Project Name: Concreting of Bukang Liwayway to Macandring Project
Project Location: Barangay Langogan, Puerto Princesa City
Total Project Land Area: Sixty Four Thousand Squaremeters (64,000 m²)
Project Proponent: City Government of Puerto Princesa, represented by
Hon. Lucilo R. Bayron, *City Mayor*

Contact Person: Mary Ann Joy M. Madriñan
Designation: Senior Environmental Mangement Specialist
Office Address: City ENRO, 3/F Green City Hall, Sta. Monica,
Puerto Princesa City
Contact Number
 Landline :
 Fax Number:
 Mobile : 0935 906 7502
 E-mail Address: joymadrinan_28@yahoo.com

I. PROJECT DESCRIPTION

The proposed project "Concreting of Bukang Liwayway to Macandring Farm to Market Road (FMR)" intends to provide a good quality thoroughfare to facilitate transport of agricultural and non-timber forest products from the interior and hilltop portions of Barangay Langogan to the place where the barangay residents gathered to sell and buy said products. One of the most important benefits of the project is the on-time delivery of fruits and vegetables to the market thus, spoilage is being prevented because the number of passenger utility vehicles will be doubled therefore the number of trips will be increased likewise

the travel time will be decreased. Saving of travel time will mean allotting more time to work on the farm for more economic benefits.

The proposed project will be having a total length of eight (8) kilometers with a width of five (5) meters and with road shoulders and ditches of 1.5 meters on both sides. There will be mountain side cuttings to be undertaken in order to meet the required width of some stations of the project. The said project will start from Purok Bukang Liwayway (station 0 + 000) and will end at the front yard of the Basketball Court in Sitio Makandring (station 8 + 000). It should be done by contract agreement. The aggregates that will be used by the said project will be supplied by the gravel and sand permittees, who have legal source and proper documentation. The needed aggregates for the proposed project are as follows: 6,000 cubic meters gravel; 3,000 cubic meters screened sand; and 500 cubic meters boulders.

The other construction materials required for the project are presented in the Sub-Project Program of Works, which is marked as Annex 10, while the schedule of activities and location/stations of side cuttings, riprapping, installation of cross drains and box culverts are presented in the two tables: Table 1. SCHEDULE OF TRAPEZOIDAL CANAL & RIPRAP/SLOPE PROTECTION; and Table 2. SCHEDULE OF RCCP CROSS DRAINS & BOX CULVERTS

1.1 PROJECT LOCATION AND AREA: Barangay Langogan, Puerto Princesa City,

Geographic coordinates of the project area (Preferably use WGS 84 datum, otherwise specify datum used).

Perimeter/Boundary points (based on OCT/TCT/etc)	Longitude	Latitude
National Highway	119° 07' 20.70" E	10° 01' 50.80" N
So. Macandring	119° 07' 13.90" E	10° 05' 06.40" N

1.2 PROJECT COMPONENTS AND FACILITIES

The proposed project involves construction of trapezoidal canal, riprapping or slope protection, installation of cross drains and box culverts. The schedule of activities are presented in Table 1 and Table 2.

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langogan, Puerto Princesa City

Facilities	No. of Units	Area (sq. m.) / Capacity	Specification/ Description / Remarks
Support Facilities (e.g. emergency generators, boilers, etc.)	N/A		
Admin support (e.g., canteen, office, clinic, quarters, etc.)	N/A		
Water source / supply	River		During Construction Stage
Waste water management Facility	N/A		
Solid waste management facility	MRF	3	During Construction Stage
Drainage system	N/A		
Facilities	No. of Units	Area (sq. m.) / Capacity	Specification/ Description / Remarks
Support Facilities (e.g. emergency generators, boilers, etc.)	N/A		
Admin support (e.g., canteen, office, clinic, quarters, etc.)	N/A		
Water source / supply	River		During Construction Stage
Waste water management Facility	N/A		
Solid waste management facility	MRF	3	During Construction Stage
Drainage system	N/A		

Table 1. SCHEDULE OF TRAPEZOIDAL CANAL & RIPRAP/SLOPE PROTECTION

STA		LENGTH	DESCRIPTION
BEG	END		
0+236.25	0+341.00	104.75	Trapezoidal Canal
0+407.46	0+560.00	565.00	Trapezoidal Canal
0+562.01	0+880.50	315.11	Trapezoidal Canal
1+275.63	1+400.26	124.63	Trapezoidal Canal
1+481.21	2+880.93	1,399.72	Trapezoidal Canal
2+883.18	2+913.18	15.00	Proposed embankment with riprap, both sides, 2.50 m. ave height
2+922.03	3+606.50	684.47	Trapezoidal Canal
3+625.29	3+792.67	167.38	Trapezoidal Canal
4+468.07	4+501.53	33.46	Trapezoidal Canal
4+591.29	5+031.13	439.84	Trapezoidal Canal
5+062.48	5+517.12	454.64	Trapezoidal Canal
5+501.00	5+531.00	15.00	Proposed embankment with riprap, left side, 3.00 m. ave height
5+655.33	6+214.93	555.00	Trapezoidal Canal
7+167.00	7+526.33	359.33	Trapezoidal Canal
7+687.37	7+776.48	668.20	Trapezoidal Canal

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road

Barangay Langogan, Puerto Princesa City

Table 2. SCHEDULE OF RCCP CROSS DRAINS & BOX CULVERTS

STA	DESCRIPTION	UNITS	QUANTITY
0+026.92	Existing Box Culvert , 8.00m. X 8.00 m.		
0+236.25	Proposed 36" RCCP with Headwal & Catch Basin	LN.M	10.00
0+407.46	Proposed 36" RCCP with Headwal & Catch Basin	LN.M	10.00
0+562.01	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
0+779.50	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
1+006.26	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
1+099.33	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
1+185.42	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
1+323.55	Proposed 36" RCCP with Headwal & Catch Basin	LN.M	10.00
1+672.80	Proposed 36" RCCP with Headwal & Catch Basin	LN.M	10.00
2+163.30	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
2+409.42	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
2+898.18	Existing 2-48" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
3+567.00	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
3+606.38	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
3+625.29	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
3+865.60	Existing Box Culvert , 4.80m. X 6.00 m.		
4+459.94	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
4+507.32	Existing Box Culvert , 4.00m. X 6.00 m.		
4+801.34	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
4+871.84	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
4+968.56	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
5+052.42	Proposed Box Culvert, 7.00m. X 8.00 m.		
5+292.62	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
5+342.57	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
5+483.92	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
5+517.12	Existing 2-36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
5+655.33	Proposed 36" RCCP with Headwal & Catch Basin	LN.M	10.00
5+729.34	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
5+926.92	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
6+068.87	Existing 2-36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
6+214.93	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
6+454.87	Existing 2-36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
6+800.45	Existing Box Culvert , 7.00m. X 8.00 m.		
6+911.03	Existing 36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
7+015.47	Existing 24" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00
7+252.97	Existing 2-36" RCCP/Proposed Headwall & Catch Basin	LN.M	10.00

Generic IEE Checklist Report

**Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langogan, Puerto Princesa City**

1.3 UTILITIES/REQUIREMENTS (Operation Phase):

Utilities	Source	Estimated Demand/Consumption
Power/Electricity (Total)	N/A	KWh
Power/Electricity (From Renewable Energy Sources)	N/A	KWh
Water (Total) (Fill-up table below if water is not obtained from the local water utility)	N/A	Cubic meters/day
Water (Rainwater Collection System)	N/A	Cubic meters/day

Water Source

☐ ground water ☐ well ☐ spring ☐ others: _____

☐ Surface water ☐ river ☐ lake ☐ others: _____

Location of water source : Langogan River, Barangay Langogan, Puerto Princesa City

(Sitio/Zone, Barangay, Municipality/City, Province, Region)

1.4 MANPOWER

a. Construction Phase

Manpower Requirement	Expertise/Skills	Total
Project Engineer	Registered Civil Engineer	1
Foreman	Supervision in Earthworks	1
H.E. Operator	H.E. operation & mechanics	2
Truck Driver	Truck maneuvering & mechanics	3
Helper		5
Laborers		6

b. Operation Phase

Manpower Requirement	Expertise/Skills	Total
N/A		

1.5 INDICATIVE PROJECT COST

Project Cost (PhP): 90,000,000.00

Funding Source :

GRANTS by the World Bank (80%), Philippine Rural Development Program (PRDP) of the Department of Agriculture (10%), and community of the proponent (10%)

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langogan, Puerto Princesa City

II. ENVIRONMENTAL IMPACTS AND MANAGEMENT PLAN

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/Mitigating Measures	Monitoring Parameters/Implementation	Cost of Mitigation/Implementation	Monitoring
LAND <input checked="" type="checkbox"/> Consistency with land use	Current land use w/in 1km radius (as per zoning ordinance): <input type="checkbox"/> Residential <input type="checkbox"/> Commercial/ Institutional <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Agricultural/ Recreational <input type="checkbox"/> Protected Areas <input type="checkbox"/> Others, specify _____ Actual land uses w/in 1km radius: <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial/ Institutional <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Agricultural/ Recreational <input type="checkbox"/> Protected Areas <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> See attached proof of compatibility with land use: Zoning Certification			
<input checked="" type="checkbox"/> Disturbance to wildlife due to vegetation clearing	Existing vegetation in the area: <input checked="" type="checkbox"/> Forestland <input type="checkbox"/> Marshland <input type="checkbox"/> Grassland <input type="checkbox"/> Mangrove <input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Compliance with conditions of DENR/LGU SLUP, Tree Cutting Permit, ROW, PCA Permit <input checked="" type="checkbox"/> Limit land clearing as much as possible <input checked="" type="checkbox"/> Provide temporary fencing for vegetation that will be retained	<input checked="" type="checkbox"/> Annual inspection of are a replanted/ revegetated	<input checked="" type="checkbox"/> Cost integrated in the construction cost	

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langogan, Puerto Princesa City

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/Mitigating Measures	Monitoring Parameters/ Implementation	Cost of Mitigation/Monitoring
<input checked="" type="checkbox"/> Change in surface landform/topography/terrain/slope <input checked="" type="checkbox"/> Soil Erosion	Slope: <input type="checkbox"/> flat (0-3%) <input checked="" type="checkbox"/> gently sloping to rolling (3-18%) <input checked="" type="checkbox"/> steep (>18%) (some portions)	<input checked="" type="checkbox"/> Provide erosion control and slope protection measures <input type="checkbox"/> Designate a Spoils Storage Area, with topsoil set aside for later use and allow maximum re-use of spoils <input checked="" type="checkbox"/> Construction during dry season <input type="checkbox"/> Stabilization of embankment with grasses or other soil cover <input checked="" type="checkbox"/> Others, specify: <i>Construction of Trapezoidal Canal, Riprap/Slope Protection</i> <input type="checkbox"/> Compliance with the DENR Administrative Order No. 2003-30 and DENR Administrative Order No. 2000-28, Implementing Guidelines on Engineering Geological and Geo-hazard Assessment (EGGA).	<input checked="" type="checkbox"/> Regular inspection of slope protection measures in erosion-prone areas <input type="checkbox"/> Regular inspection for new eroded areas near the site <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Slope/Erosion Control Cost: <i>Included in the POWs</i> <input type="checkbox"/> Others, specify _____
	Is the project site located in an area identified by MGB/PAG-ASA/PHIVOLCS as hazard prone? <input checked="" type="checkbox"/> Yes on the upper portion as indicated in the Landslide Susceptibility Map, Figure 2 <input type="checkbox"/> No			
<input checked="" type="checkbox"/> Soil/Land contamination due to improper solid waste disposal	Existing soil type in the area: <input type="checkbox"/> sandy <input checked="" type="checkbox"/> clay <input type="checkbox"/> sandy-loam <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Implementation of the Ecological Solid Waste Management Plan (ESWMP) <input type="checkbox"/> Set-up temporary fence around the construction area <input checked="" type="checkbox"/> Implement re-use and recycling of waste materials <input checked="" type="checkbox"/> Implement proper segregation,	<input checked="" type="checkbox"/> Daily inspection of waste/recycling bins for segregation <input checked="" type="checkbox"/> Daily inspection for presence of mixed garbage in the facility <input checked="" type="checkbox"/> Weekly inspection of waste accumulated	<input checked="" type="checkbox"/> Cost integrated in the construction cost

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Cost of Mitigation/ Monitoring
<input type="checkbox"/> Impairment of visual aesthetics <input type="checkbox"/> Devaluation of land values	Presence of visually significant landforms/landscape/structures? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> collection and disposal of domestic wastes in designated areas <input checked="" type="checkbox"/> Provide receptacles / bins for solid wastes <input type="checkbox"/> Coordinate with the municipal / city waste collectors <input type="checkbox"/> Engage third party company for waste collection <input type="checkbox"/> Others, specify _____	<input type="checkbox"/> Regular inspection of landscaping and other beautification activities <input type="checkbox"/> Regular monitoring of buffer zones <input type="checkbox"/> Regularly monitor presence/absence of complaints from adjacent property owners	<input checked="" type="checkbox"/> Cost integrated in the construction cost
WATER				
<input checked="" type="checkbox"/> Increased siltation due to project activities <input checked="" type="checkbox"/> Water quality degradation <input type="checkbox"/> Others, specify _____	Specify nearest/receiving water body: <u>Langogan River</u> Distance to nearest/receiving water body: <input checked="" type="checkbox"/> 0 to less than 0.5 km <input type="checkbox"/> 0.5 to 1 km <input type="checkbox"/> More than 1 km	<input checked="" type="checkbox"/> Set-up proper and adequate sanitary facilities <input checked="" type="checkbox"/> Strictly require the contractor and its workers to observe proper waste disposal and proper sanitation <input checked="" type="checkbox"/> Strictly observe proper waste handling and disposal <input type="checkbox"/> Provision of wastewater	Regular (ocular) inspection of: <input type="checkbox"/> Drainage / canal systems <input type="checkbox"/> Wastewater treatment facility (i.e., grease trap, septic tank, etc.) Quarterly monitoring of	<input checked="" type="checkbox"/> Cost integrated in the construction/ operation cost

Generic IEE Checklist Report

 Concreting of Bukang Liwayway to Macandring Farm to Market Road
 Bataan, Iloilo

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/Mitigative Measures	Monitoring Parameters/ Implementation	Cost of Mitigation/Monitoring
	<p>nearest/receiving water body is fresh water, specify classification:</p> <p><input type="checkbox"/> AA <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input checked="" type="checkbox"/> Others: <u>Unclassified</u></p> <p>If nearest/receiving water body is coastal or marine water, specify classification:</p> <p><input type="checkbox"/> SA <input type="checkbox"/> SB <input type="checkbox"/> SC <input type="checkbox"/> SD</p> <p>Current Water Use:</p> <p><input type="checkbox"/> Fishery <input type="checkbox"/> Tourist Zone / Park <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Agricultural</p> <p>Distance of project area to the nearest well used:</p>	<p>treatment facility (e.g. septic tank, oil and water separator, etc.)</p> <p><input type="checkbox"/> Set up silt trap/silt pond to minimize downstream siltation</p> <p><input type="checkbox"/> Provision of three-chambered septic tank for domestic sewage</p> <p><input type="checkbox"/> Provide ring canals around fueling tanks/ motorpool/ maintenance areas</p> <p><input type="checkbox"/> Others, specify _____</p>	<p>the following:</p> <p><input type="checkbox"/> pH <input type="checkbox"/> TSS concentration <input type="checkbox"/> BOD <input type="checkbox"/> Total Coliform <input type="checkbox"/> Color <input type="checkbox"/> Oil and Grease</p>	

Possible Environmental/Social Impacts	Baseline Environment	Preventive	Mitigating Measures	Monitoring Parameters/Implementation	Cost of Mitigation/ Monitoring
<input checked="" type="checkbox"/> Competition in water use <input type="checkbox"/> Depletion of water resources	Size of population using receiving surface water: <input type="checkbox"/> ≤ 1,000 persons <input checked="" type="checkbox"/> >1,000 and ≤ 5,000 persons <input type="checkbox"/> >5,000 persons Available/nearest water source: <input type="checkbox"/> Deepwell <input type="checkbox"/> Water district/LGU <input checked="" type="checkbox"/> Surface water <input type="checkbox"/> Others, specify _____	<input type="checkbox"/> Implement rainwater harvesting and similar measures as an alternative source of water <input type="checkbox"/> Observe water conservation measures; <input type="checkbox"/> Careful selection of project site to avoid disruption of traditional water uses <input type="checkbox"/> Obtain Water Permit from NWRB <input type="checkbox"/> Improve efficiency of water supply and distribution system <input checked="" type="checkbox"/> Others: <i>Improve efficiency of water collection and usage during construction</i>	<input checked="" type="checkbox"/> Regularly monitor presence/absence of complaints <input checked="" type="checkbox"/> Regular coordination with concerned agencies <input type="checkbox"/> Regularly monitor occurrences of water shortages <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Cost integrated in the construction cost	
<input checked="" type="checkbox"/> Increased occurrence of flooding	Is the project site located in an area identified by MGB/PAG-ASA as flood prone? <input checked="" type="checkbox"/> Yes on some portions as indicated in the Flood Susceptibility Map, Figure 3 <input type="checkbox"/> No	<input type="checkbox"/> Use appropriate design for project facilities <input checked="" type="checkbox"/> Implement appropriate drainage system <input checked="" type="checkbox"/> Regularly remove debris and other materials that may obstruct	<input checked="" type="checkbox"/> Regularly monitor presence/absence of complaints <input checked="" type="checkbox"/> Regular coordination with concerned agencies <input checked="" type="checkbox"/> Regularly monitor	<input type="checkbox"/> Cost integrated in the construction cost	

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road
 Barangay Langogan, Puerto Princesa City

Possible Environmental/Social Impacts	Baseline Environment	Preventive Mitigating Measures	Monitoring Parameters/Implementation	Cost of Mitigation/Monitoring
AIR/NOISE				
<input checked="" type="checkbox"/> Air quality degradation	Distance to nearest community: <input checked="" type="checkbox"/> 0 to less than 0.5 km <input type="checkbox"/> 0.5 to 1 km <input type="checkbox"/> More than 1 km	<input checked="" type="checkbox"/> Properly operate and maintain all emission sources (e.g. vehicles, pumps, generator, etc) <input checked="" type="checkbox"/> Install when applicable, the appropriate air pollution control device/s <input checked="" type="checkbox"/> Strictly enforce good housekeeping practices <input checked="" type="checkbox"/> Control vehicle speed to lessen suspension of road dust <input checked="" type="checkbox"/> Conduct water spraying to suppress dust sources and minimize discomfort to nearby residents <input checked="" type="checkbox"/> Use covered vehicles to deliver materials that may generate dust <input type="checkbox"/> Other, specify _____	<input checked="" type="checkbox"/> Regularly monitor presence/absence of complaints Regular (ocular) inspection of: <input type="checkbox"/> Absence of white or black smoke from vehicles, heavy equipment and generator <input type="checkbox"/> Presence of truck cover during deliveries	<input checked="" type="checkbox"/> Cost integrated in the construction cost

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Cost of Mitigation/ Monitoring
<input checked="" type="checkbox"/> Nuisance due to noise generation	Distance to nearest community: <input checked="" type="checkbox"/> 0 to less than 0.5 km <input type="checkbox"/> 0.5 to 1 km <input type="checkbox"/> More than 1 km	<input checked="" type="checkbox"/> Properly operate and maintain noise sources (e.g. vehicles, pumps, generator, etc) <input checked="" type="checkbox"/> Install when applicable, the appropriate noise control device/s (e.g., mufflers, silencer, sound barriers, etc.) <input checked="" type="checkbox"/> Implement appropriate operating hours <input type="checkbox"/> Provide adequate buffer and/or planting of trees <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Regularly monitor presence/absence of complaints <input type="checkbox"/> Regular monitoring of buffer zones	<input checked="" type="checkbox"/> Cost integrated in the construction cost
PEOPLE				
<input type="checkbox"/> Displacement of residents in the project site and within its vicinity <input type="checkbox"/> Displacement of Indigenous People <input checked="" type="checkbox"/> Enhanced employment and/or livelihood opportunities <input type="checkbox"/> Reduced employment and/or livelihood opportunities	Size of population of host barangay: <input type="checkbox"/> ≤ 1,000 persons <input checked="" type="checkbox"/> > 1,000 and ≤ 5,000 persons <input type="checkbox"/> > 5,000 persons Classification of host barangay: <input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural Available services within/near the host barangay: <input checked="" type="checkbox"/> Schools (e.g. elementary, high school, college) <input checked="" type="checkbox"/> Health facilities (e.g., clinics, hospitals, etc.)	<input type="checkbox"/> Provide relocation/disturbance compensation packages <input checked="" type="checkbox"/> Prioritize local residents for employment <input type="checkbox"/> Promptly pay local taxes and other financial obligations <input checked="" type="checkbox"/> Regular coordination with LGU <input type="checkbox"/> Prior consultation & coordination to minimize disruption on daily domestic activities & respect for IP rights and cultural practices	<input checked="" type="checkbox"/> Regularly monitor presence/absence of complaints <input checked="" type="checkbox"/> Regular coordination with LGU <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Cost integrated in the construction cost

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langan, Puerto Princesa City

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Cost of Mitigation/ Monitoring
<input checked="" type="checkbox"/> Increased revenues for LGU <input type="checkbox"/> Disruption/Competition in delivery of public services (e.g., education, peace and order, etc.) <input checked="" type="checkbox"/> Enhanced delivery of public services (e.g., education, peace and order, etc.) <input type="checkbox"/> Increase in traffic volume and worsening of traffic flow	<input checked="" type="checkbox"/> Peace and order (e.g., police outpost, brgy. Tanod, etc.) <input checked="" type="checkbox"/> Recreation and sports facilities <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Ensure participation of IPs in consultations and dialogues <input checked="" type="checkbox"/> Provide appropriate traffic/warning signs, lighting, etc <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Presence/Absence of complaints <input checked="" type="checkbox"/> Regular coordination with LGU <input checked="" type="checkbox"/> Regular submission of reports to concerned agency <input type="checkbox"/> Others, specify _____	<input checked="" type="checkbox"/> Cost integrated in the construction cost
<input checked="" type="checkbox"/> Impacts on community health and safety <input type="checkbox"/> Others, specify _____		<input checked="" type="checkbox"/> Regular coordination with LGU <input checked="" type="checkbox"/> Provide appropriate warning signs, lighting and barricades, whenever practicable <input checked="" type="checkbox"/> Observe proper housekeeping <input type="checkbox"/> Provide on-site medical services for any emergency. <input type="checkbox"/> Participate in public awareness programs on health and safety <input type="checkbox"/> Implement appropriate safety programs for both community and workers		

Generic IEE Checklist Report

Concreting of Bukang Liwayway to Macandring Farm to Market Road
 Barangay Langgogan, Puerto Princesa City

Possible Environmental/ Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Cost of Mitigation/ Monitoring
		<input type="checkbox"/> Strictly comply with fire, safety and similar regulatory requirements <input checked="" type="checkbox"/> Strictly comply with requirements of RA 6969 (Toxic & Hazardous Wastes Management) <input type="checkbox"/> Others, specify _____		

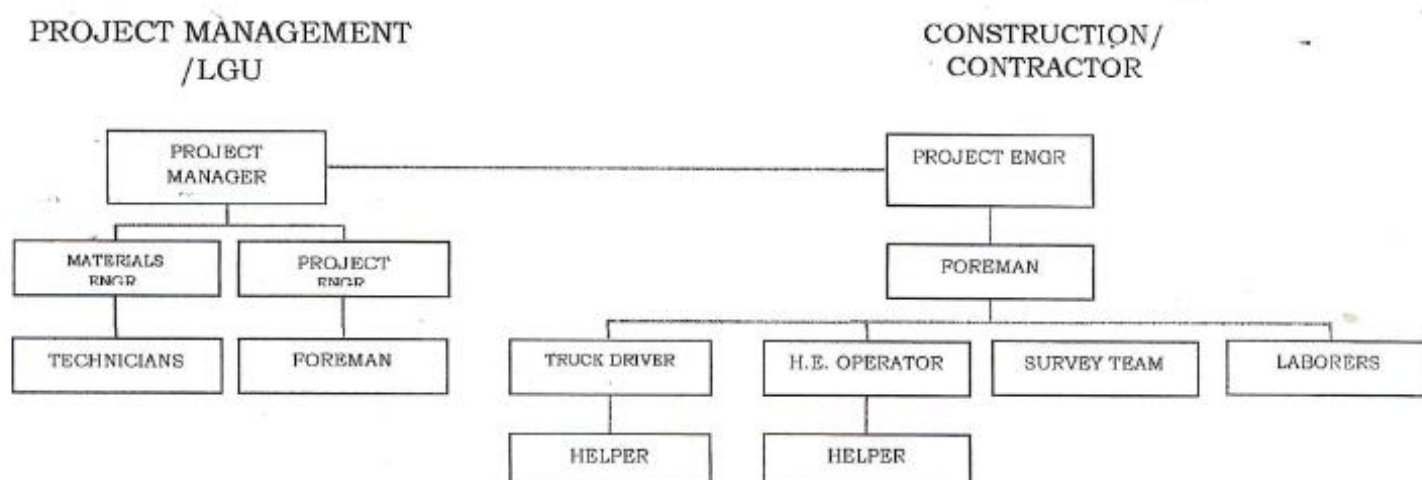
III. ABANDONMENT /DECOMMISSIONING/REHABILITATION POLICIES AND GENERIC GUIDELINES (if Applicable)

Project Life or Service: 50 years or more (Lifetime)

The proponent has no intention of abandoning the project. However, if there would be rehabilitation to be done on the succeeding years, the solid wastes that would be generated should be properly managed by adopting the Ecological Solid Waste Management (ESWM). All the excavated dilapidated concrete pavement should be disposed to the identified lower portions of the Barangay that need to be filled up, or the wastes materials/pavements should be used as filling materials.

IV. INSTITUTIONAL PLAN FOR EMP IMPLEMENTATION

Organization Chart:



Environmental Management Plan (EMP) Implementation:

The implementation of Environmental Management Plan (EMP) stated in this Generic IEE Checklist Report will be done by the contractor, who will be awarded through bidding of project, during the construction phase.

A periodic monitoring of the EMP implementation will be undertaken also by the designated Project Engineer of the City Government of Puerto Princesa.

Generic IEE Checklist Report

**Concreting of Bukang Liwayway to Macandring Farm to Market Road
Barangay Langogan, Puerto Princesa City**

SWORN STATEMENT OF ACCOUNTABILITY OF THE PROPONENT

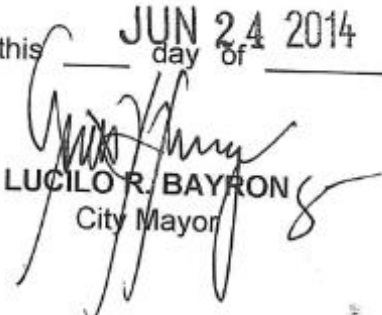
This is to certify that all the information and commitments in this Initial Environmental Examination (IEE) Checklist Report are accurate and complete to the best of my knowledge.

By the authority vested in me by the City Government of Puerto Princesa as City Mayor, I hereby commit to ensure implementation of all commitments, mitigating measures and monitoring requirements indicated in this IEE Checklist Report as well as the following:

- Conform to pertinent provisions of applicable environmental laws e.g., R.A. No. 6969 (*Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990*), R.A. No. 9003 (*Ecological Solid Waste Management Act of 2000*), R.A. No. 9275 (*Philippine Clean Water Act of 2004*), and R.A. No. 8749 (*Philippine Clean Air Act of 1999*).
- Abide and conform to LGU development plans and guidelines.
- Promptly pay local taxes and other financial obligations.
- Regularly submit reports to concerned agencies.

I hereby bind myself to answer any penalty that may be imposed arising from any misrepresentation or failure to state material information in this IEE Checklist.

In witness whereof, I hereby set my hand this JUN 24 2014 day of _____ at PUERTO PRINCESA CITY.


LUCILO R. BAYRON
City Mayor

SUBSCRIBED AND SWORN TO before me this JUN 24 2014 day of _____ 2014, affiant exhibiting his Community Tax Certificate No. 12198510 issued at PPC on 13/14

Doc. No. 145
Page No. 20
Book No. VI
Series of 2014

ATTY. GIL LUY ARIDOSA

NPL NO. 2014-44

UNTIL DECEMBER 31, 2015

ROLL NO. 56320

PTB NO. 0861780/PPC/01-02-14

IBF NO. 085622/PALANAN/12-27-13

SWORN STATEMENT OF ACCOUNTABILITY OF KEY IEE PREPARER

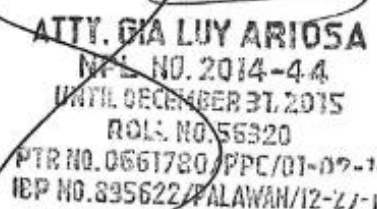
This is to certify that all data or information contained in the enclosed Generic Initial Environmental Examination (IEE) Report are true to the best of my knowledge and information, and that an objective and thorough assessment of the project was undertaken in accordance with the dictate of reasonable and sound judgment. Should I learn of any information which would make the enclosed Generic IEE inaccurate, I shall bring said information to the attention of the Environmental Management Bureau (EMB) or the Environmental Management and Protected Areas Sector (EMPAS) of the appropriate DENR Regional Office.

IN WITNESS WHEREOF, I hereby set my hand this JUN 24 2014 day of June 2014 at Puerto Princesa City.


 MARY ANN JOYLLE M. MADRIÑAN

SUBSCRIBED AND SWORN TO before me this JUN 24 2014 day of JUN 24 2014, affiant exhibiting her Community Tax Certificate No. 12193352 issued at Puerto Princesa City on January 13, 2014.

Doc. No. 146
 Page No. 31
 Book No. VI
 Series of 2014


 ATTY. GIA LUY ARIOSA
 NPL NO. 2014-44
 UNTIL DECEMBER 31, 2015
 ROLL NO. 56320
 PTR NO. 0661780/PPC/01-07-14
 IEP NO. 335622/PALAWAN/12-21-13

ANNEXES

Republic of the Philippines
City of Puerto Princesa
OFFICE OF THE SANGGUNIANG BARANGAY
Barangay Langogan

Annex 1

**EXCERPT FROM THE MINUTES OF THE 13th REGULAR SESSION OF THE
SANGGUNIANG BARANGAY OF LANGOGAN, PUERTO PRINCESA CITY
HELD AT BARANGAY HALL, BARANGAY LANGOGAN ON MAY 15, 2014.**

PRESENT:

HON. CAMILO L. BEBIT	Punong Barangay/Presiding Officer
HON. JAQUELINE B. BASA	Barangay Kagawad
HON. RENE C. RAFOLS	Barangay Kagawad
HON. ALBERT C. DELA CERNA	Barangay Kagawad
HON. JENIFE C. MORTEL	Barangay Kagawad
HON. FRANCISCO A. GABUCO	Barangay Kagawad
HON. RAMIL B. PELONE	Barangay Kagawad
HON. RAFAEL T. CABANGAL	Barangay Kagawad

RESOLUTION NO. 32
Series of 2014

**A RESOLUTION ENDORSING THE PROPOSED CONCRETING OF FARM TO
MARKET ROAD (FMR 8.01 km) FROM NATIONAL HIGHWAY TO SITIO
MACANDRING, BARANGAY LANGOGAN, PUERTO PRINCESA CITY.**

WHEREAS, the proposed concreting of existing farm to market road from National Highway to frontyard of the basketball court at Sitio Macandring, Barangay Langogan, is a most waited project of the Barangay Council;

WHEREAS, this body recognizes the importance of the proposed project to the development of the area and the barangay in general;

WHEREAS, the committee on infrastructure of the barangay highly recommended the permission for the concreting of the subject farm to market road;

NOW, THEREFORE, economic upliftment considered and on motion of Kgd. Francisco A. Gabuco unanimously seconded by the members present, be it

RESOLVED AS IT IS HEREBY RESOLVED to approve the recommendation of Kgd. Francisco A. Gabuco for the proposed concreting of existing farm to market road from National Highway to Sitio Macandring, Barangay Langogan;

RESOLVED FURTHER, that the copies of this resolution be furnished the Council and the different agencies for appropriate action.

CARRIED UNANIMOUSLY

I HEREBY CERTIFY to the correctness of the foregoing Sangguniang Barangay Resolution No. 32 series of 2014 of the Sangguniang Bara gay of Langogan, Puerto Princesa City.


Attested by:


ELNORA P. JAVAREZ
Barangay Secretary

Signed:



CAMILO L. BEBIT
Presiding Officer

Concurred:

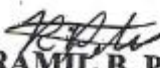

JAQUILINE B. BASA
Barangay Kagawad


RENE C. RAFOLS
Barangay Kagawad


ALBERT C. DELACERNA
Barangay Kagawad



JENIFF C. MORTEL
Barangay Kagawad


FRANCISCO A. GABUCO
Barangay Kagawad


RAMIL B. PELONE
Barangay Kagawad


RAFAEL T. CABANGAL
Barangay Kagawad

Approved:


CAMILO L. BEBIT
Punong Barangay

**Public Consultation on Concreting of Farm to Market Road from
Bukang Liwayway to Sitio Macandring, Brgy. Langogan, Puerto Princesa City**

Sitio Macandring, Brgy. Langogan, Puerto Princesa City

June 10, 2014

Proceedings

The public consultation was conducted on June 10, 2014, around 10 o'clock in the morning at the Purok Center in Macandring, Barangay Langogan, Puerto Princesa City. It was attended by the Batak and Tagbanua Tribes in Langogan, Puerto Princesa City.

The activity was started with an opening prayer led by Kgd. Francisco Gabuco.

Punong Barangay Camilo Bebit continue the consultation by presenting its purpose. Accordingly, it was called to:

- a. present the project on "Concreting of the Farm to Market Road from Bukang Liwayway to Sitio Macandring, Brgy. Langogan, Puerto Princesa City";
- b. identify the possible effects/impacts of the project to affected communities; and -
- c. determine the opinion of the affected communities regarding the project.

Highlights:

- PB Bebit presented that the proposed project which will have a length of eight (8) kilometers which major purpose is to facilitate the marketing of farm products from the affected communities.
- PB added that the concreting of road will help in the easy transport of products including almaciga.
- The project can also address the concern of the school in Manggapin.
- Ms. Bienvenida Cerrera, chieftain of Tagbanua tribe in the area, said that it will also facilitate treatment of emergency cases.

After the presentation of the project by PB Bebit, the Tagbanua tribe was requested to have a recess to give the time for Batak tribe to raise their issues and concerns. The following are the issues raised:

- Q. Mr. Pablico Latube said that they have no objection on the project and raised two concerns:
1. if the project can also include the road to Manggapin. If yes, when will it start?
 2. What will happen if some land owners will not allow the road going to Manggapin to pass through their land?
- A. Mr. Badenas, responded that if some land owners will not allow the road in their area, the team will discuss it with the concerned individuals to resolve the issue. He also shared the result of the public consultation conducted last June 4, 2014 where, the group agreed to resolve the issue by deducting taxes paid for the land that will be affected.

Q. Mr. Berto Madamay, chieftain of Batak tribe in the area, reiterated the query of Mr. Latube, when can the road to Manggapin be constructed? He said that there are some markings before that were established but the clearing was not continues. He added that construction of the road will help the teachers and students in the area.

A. PB Bebit said that, they will try to solve the problem one at a time and encourage the group to solve first the requirements for the concreting of the road from Bukang Liwayway to Macandring then Manggapin road will be resolved later. He also shared to the group their experience on the construction of school building.

Q. The teacher from DepEd shared their concern. Accordingly, it is their dream to have a road going to the school site. He added that they opted not to bring their pupils to other areas because of the transportation problems. Thus, they are in full support for the concreting of the road to Macandring.

PB Bebit asked if the group has other concerns, since there are no more concerns the group was informed about the documents that they need to accomplish such as waiver of rights for a portion of their land that will be affected by the project and the certificate of support. PB Bebit thanked the grouped and said that they will be informed of the project development

After the recess of the members of Tagbanua Tribes, they were asked to enter the Purok center for their concerns and the following were raised:

Mrs. Cerrera, chieftain of Tagbanua tribe expressed their gratitude for the project as it is their long awaited dream to have concrete roads because their products will be marketed easily.

One of the attendees raised that concreting of the road might lead to higher motorcycle related accidents, because some of the drivers in the area have no license.

It was suggested to implement strict enforcement of the traffic laws.

The group expressed their full support to the project on concreting of the farm to market road from Bukang Liwayway to So. Macandring, Brgy. Langogan, Puerto Princesa City.

Punong Barangay adjourned the consultation meeting and thanked the attendees at 1:30 in the afternoon.

Prepared by:

Zorina C. Arellano
Zorina C. Arellano
City ENRO Staff

**PUBLIC CONSULTATION ON CONCRETING OF FARM TO MARKET
ROAD FROM BUKANG LIWAYWAY TO SITIO MACANDRING, BRGY.
LANGOGAN, PUERTO PRINCESA CITY.**

**VENUE: BRGY. HALL, BARANGAY LANGOGAN, PUERTO PRINCESA
CITY**

JUNE 4, 2014

PROCEEDINGS

Hon. Camilo L. Bebit, Punong Barangay of Barangay Langogan, formally convened the Public Consultation at 1:45 in the afternoon with the Opening Prayer led by Kgd. Francisco Gabuco. After the prayer, PB Bebit opened the program by greeting and acknowledging the presence of the participants. Further, he asked the support of his constituents through active participation in the conduct of this public consultation. The Punong Barangay also gave brief introduction on the reason of why this activity was called. After that, he called Ms. Joy Madriñan to further discuss the said subject matter.

Ms. Madriñan thanked first the participants for being there because their presence showed their interests in the said project. Then, she gave the background of why this particular project was given to Barangay Langogan. It was the proximity of the Barangay to the Municipality of Roxas, which is also an LGU that is availing a similar grant. She told the participants that this Grant from World Bank through Philippine Rural Development Program (PRDP) of Department of Agriculture (DA) was not a total dole out. This project required counterpart/equity from the LGU or the City Government of Puerto Princesa or 10% share. Having this share, the donor believed that the LGU – the City and Barangay Governments will have sense of ownership and, eventually, responsibility of taking care of the project as well. The proposed project is the "Concreting of 8 kilometer Farm to Market Road (FMR) from Bukang Liwayway to Macandring. Then, as part of the City ENRO, the said Office will do and assist in the documentation process and facilitation on acquiring national and local permits/clearances so as to the realization of this endeavor. So, she appealed to the group that their cooperation and support were important in this process.

Punong Barangay Bebit asked the group if they have some issues that need to be clarified.

Mr. Joel Badenas raised his concern regarding the titled property of their father (deceased) which was not yet transferred to their mother. His concern was about the taxes they are paying since the road is existed for almost 30 years. He is appealing for some considerations regarding the computation and payment of taxes.

The Acting City ENRO, Ms. Tutu B. Almonte, remarked that their Office will extend assistance in coordinating to concerned agencies like the City Engineering Office to segregate the portion of their titled land, which was

traversed by the road; and to the City Assessor's Office for the possibility of giving tax incentives.

Mr. Joel Badenas expressed also that in behalf of their families, they are willing also to donate that piece of their land for the road. But he reiterated his appeal regarding tax incentive.

Another issue that was raised came from Ms. Rowena Rabe, whose house is located very close to the existing road. She was asking how many meters would be affected by the proposed project.

Mr. Joel Badenas stressed that during his term as the Punong Barangay of Langan, he advised them that their location was a public domain and if ever it will be needed by the Barangay they have no right to ask for any payment of their structure to be evicted. Thus, they were allowed to stay there with the promise that they will not hamper any development in the area when it will be needed.

Punong Barangay added that in the previous years, no development was done because it belonged to public land but it was a risk to the present occupant. So, he reiterated that in the first place; that the area will not be released. So, he appealed to those who occupied the area to humbly submit to the proposed project because it was their long dream to have it.


Ms. Rabe, in behalf of the actual occupants near the road, accepted the appeal of Punong Barangay Bebit to self-demolish their structures which will be affected by the proposed project because they saw the importance of the project and it was for the betterment of the residents and the barangay as a whole.

Ms. Almonte explicitly explained that the state has the power to use the land especially those that are classified as timberland to be used for government project.

Punong Barangay Bebit asked the group if there is still somebody who had worries on the proposed project. When no one reacted, he asked the group if they wanted the proposed project. It was unanimously agreed to pursue the most awaited concreting of their road.

After hearing their approval, Punong Barangay Bebit extended his gratitude to all facilitators from the City Government of Puerto Princesa and to all residents of their barangay who attended the Public Consultation. Then, he adjourned the meeting at 3:30 p.m.

Prepared by:


CARDELAR STEVIE ANGEL MADRIÑAN
Community Development Asst. I

KATIBAYAN NG SUPORTA

Kaniing mga miyembro ng Samahan ng mga Katutubong Batak sa Barangay Langogan ay nagpapahayag ng lubus na may kasiglahan at pasasalamat sa mga tao at mga ahensiyang tumutulong sa aming mga katutubo. Kalatag ng aming pasasalamat ay ang aming pagpapayal at pag-suporta sa proyektag "pagpapalamento ng kalsada mula sa Bulang Liwayway hanggang Malanding."

Ang katibayang ito ay aming ginawa bilang patunay na kami ay may katiknang pagpapayal at suporta sa subang na proyekto base sa napagkasunduan ng aming Samahan sa magandang konsultasyon sa aming bayan sa Iliis Malanding noong ika-10 ng Hunyo, 2014.

Ita rin ay ginawa namin at ipinagkatalosang mayong ika-10 ng Hunyo 2014.

PANGALAN :

Berto Madamay
Chieftain

Ronie Degiten
Kagawad

Merlito Bagana
Kagawad

Necasio Mejares
Kagawad

LAGEDA :





N. M

Katibayan Ng Suporta

Kaming mga miyembro ng Samahan ng mga Katutubong Tagbanua sa Barangay Langogan ay Nagpapahayag ng lubos naming kasiyahan at pagpapasalamat sa mga tao at mga ahensiyang tumutulong sa aming mga katutubo, katatip ng aming pagpapasalamat ay aming pagpapayag at pagsuporta sa proyekto ng pagpapalantado ng kalsada mula sa Bukang Liwayway hanggang Macandring.

Ang katibayang ito ay aming ginawa bilang patunay na kami ay nagkakaisang pumapayag at sumusuporta sa nabanggit na proyekto base sa nagpapasunduan ng aming samahan sa naganap na Konsultasyon sa aming lugar sa St. Macandring noong Ika-10 ng Hunyo 2014.

Ito rin ay ginawa namin at ipagtatalab ngayon Ika-11 ng Hunyo 2014.

PANGALAN: Edo H. Ayza

LAGDA:

auditor: CERRERA SUKAN

secretary: Lusanita B. Calagos

treasurer: Rufina S. Calagos

kgl: George W. DELA ANGELES

kgl: Filinto m. Sendros

kgl: KARLINA D. VILLANUEVA

Maga
fin
Calagos

R. Calagos
GDA

Kendry

9 DV



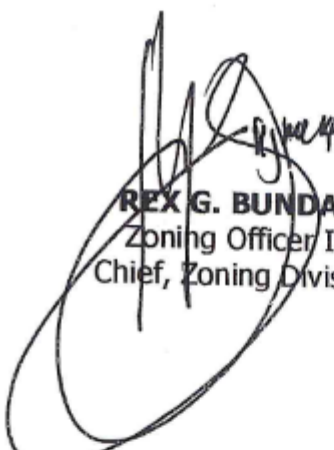
Republic of the Philippines
**OFFICE OF THE CITY PLANNING
AND DEVELOPMENT COORDINATOR**
City of Puerto Princesa



C E R T I F I C A T I O N

THIS IS TO CERTIFY that this Office has no objection to the proposed Concreting of Farm to Market Road Project from Bukang Liwayway to Macandring, Barangay Langogan, this City covering a total length of 8 Kms. more or less, is within the **General Agricultural Zone**. Provided however, that the minimum requirements and design standards of the City Zoning Ordinance and other related laws be met and complied with.

Given this 11th day of June 2014 at the City of Puerto Princesa upon request of **the City Government of Puerto Princesa** in connection with their application for SEP Clearance and Environmental Compliance Certificate (ECC).


REX G. BUNDAC
Zoning Officer IV
Chief, Zoning Division



Republic of the Philippines
OFFICE OF THE PRESIDENT
NATIONAL COMMISSION ON INDIGENOUS PEOPLES
Regional Office No. IV
PALAWAN PROVINCIAL OFFICE
Beside Barangay Hall, Santa Monica Heights, Puerto Princesa City, Palawan

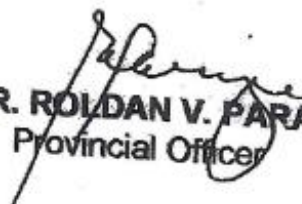
CERTIFICATION

TO WHOM IT MAY CONCERN:

THIS IS TO CERTIFY THAT the improvement (concreting) of existing road 8.1 kilometer Farm to Market Road from the National Highway to Sitio Macandring, Barangay Langogan, Puerto Princesa City under the Philippine Rural Development Program (PRDP) of the Department of Agriculture wherein 90 percent of the project cost will be funded by World Bank does not any more require the issuance of NCIP Certification pre-condition as the road is already existing prior to the enactment the Indigenous Peoples Rights Act.

This certification is being issued to the Local Government of Puerto Princesa City for their compliance to the Department of Agriculture's requirement for the implementation of the above project.

Done this 11th day of June 2014 at Puerto Princesa City, Palawan.


ENGR. ROLDAN V. PARANGUE
Provincial Officer





Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Region IV-B, MIMAROPA
OFFICE OF THE DISTRICT ENGINEER
Palawan III Engineering District
Puerto Princesa City

C E R T I F I C A T I O N

THIS IS TO CERTIFY that the following rivers and its potential uses indicated in our Materials Map 2014 are the approved source of quarry materials within our area of jurisdiction.

Attached is a certified true copy of the District Materials Map for 2014.

Issued this 11th day of June 2014 at the Palawan III District Engineering Office, Puerto Princesa City, upon the request of the City Mayor for whatever legal purpose it may serve the proponent of the proposed Concreting of Farm to Market Road project from Bukang Liwayway to Macandring, Bgy. Langogan, this City.


ROMMEL P. AGUIRRE
OIC-District Engineer



Republic of the Philippines

City Government of Puerto Princesa

Annex 9

CITY ENVIRONMENT AND NATURAL RESOURCES OFFICE

3rd Floor Green City Hall, Santa Monica

Puerto Princesa City, Philippines 5300

CERTIFICATE OF NON- OVERQUARRYING OF MATERIALS

THIS IS TO CERTIFY that based on the records of this Office, there are legal sources of sufficient reserves of quarry materials to supply the need of 6000 cubic meters of gravel, 3000 cubic meters of screened sand, and 500 cubic meters of boulders for the concreting of Farm to Market Road (FMR) and riprapping of the slopes of the FMR.

This certifies further that the provision of the needed quarry materials of the subject project may not cause over extraction of said materials.

Issued this 9th day of June 2014 at the City ENRO, Puerto Princesa City upon the request of the City Mayor for whatever legal purpose it may serve the proponent of the proposed Concreting of Farm to Market Road Project from Bukang Liwayway to Macandring, Barangay Langogan, this City.

Tutu B. Almonte

TUTU B. ALMONTE

Env'tal Management Specialist II

Acting City ENRO

Republic of the Philippines
DEPARTMENT OF AGRICULTURE



CITY OF PUERTO PRINCESA



SUB-PROJECT PROGRAM OF WORKS
(For Rural Roads of Access Infrastructure)

PROJECT IDENTIFICATION NO.: 1 - BUILD RO4B - PPCITY - 01 - 14

Project Title:		Concreting of Bukang Liwayway-Makandring Road FMR				
Category		Rural Access (Improvement)				
Physical Target		8.0000 kms.				
Brgy/Mun/Province		Barangay Langogan, Puerto Princesa City, Palawan				
Total Project Cost		PHP 89,513,500.00				
Project Description: Concreting of 8000 m.x 5m.x.15 m.			Implementation Project Duration Equipment Needed Technical		By Contract 270 calendar days Dozer/Grader/R. Roller/DT's/Backhoe/concrete mixer/bar cutter/vibrator/screeder/service vehicle Civil Engr./Foreman/mason/carpenter/laborer	
Item No.	Scope of Work	% Weight	Quantity	Unit	Unit Cost	Total
A. EARTHWORKS						
100	Clearing & Grubbing	0.19%	8,218.61	sq.m.	20.94	172,085.27
101(3)a	Removal of Existing Pavement (0.20m thk.)	0.04%	425.00	cu.m.	89.06	37,848.89
102(2)b	Roadway Excavation (Surplus Common)	1.51%	6,568.83	cu.m.	205.30	1,348,552.61
102(3)a	Roadway Excavation (Surplus Soft Rock)	21.10%	38,121.23	cu.m.	495.38	18,884,671.59
103(6)	Pipe Culvert & Drainage Excavation	1.45%	8,682.00	cu.m.	149.83	1,300,859.87
104	Embankment (from Roadway Excavation)	0.70%	4,908.24	cu.m.	128.50	630,706.00
105	Subgrade Preparation	1.37%	64,000.00	sq.m.	19.12	1,223,426.13
B. SUBBASE AND BASE COURSES						
200	Aggregate Subbase Course	17.70%	16,400.00	cu.m.	966.33	15,847,736.49
C. SURFACE COURSES						
311	Portland Cement Concrete Pavement, 150mm thk.	46.25%	40,000.00	sq.m.	1,034.91	41,396,402.99
D. DRAINAGE & SLOPE PROTECTION STRUCTURE						
500	Reinforced Concrete Pipe Culvert(910mm dia.)	0.39%	60.00	Lm	5,876.66	352,599.77
502	Catch Basin	0.28%	33.00	units	7,505.23	247,672.55
505(2)	GROUTED RIPRAP, CLASS A (Lined Canal)	7.69%	1,990.21	cu.m.	3,457.39	6,880,940.57
505(5)	GROUTED RIPRAP, CLASS A (Slope Protection)	0.83%	210.00	cu.m.	3,548.45	745,174.78
Spcl. 1	Concrete Headwall	0.50%	33.00	units	13,477.65	444,762.38
Total Project Cost		100.00%				89,513,439.89
Breakdown of Estimated Project Cost		SOURCE OF FUND			Total Cost	
		WB	DA Grant	CASH (LGU)		
A. Direct Cost		54,648,009.70	6,831,001.21	6,831,001.21	68,310,012.13	
Equipment		16,429,248.29	2,053,656.04	2,053,656.04	20,536,560.37	
Labor		1,692,036.21	211,504.53	211,504.53	2,115,045.27	
Materials		36,526,725.19	4,565,840.65	4,565,840.65	45,658,406.49	
B. Indirect Cost		16,962,742.21	2,120,342.78	2,120,342.78	21,203,427.76	
OCM		4,918,320.87	614,790.11	614,790.11	6,147,901.09	
Contractor's Profit		4,371,840.78	546,480.10	546,480.10	5,464,800.97	
Taxes		7,672,580.56	959,072.57	959,072.57	9,590,725.70	
C. Project Cost (Total A + B)		71,610,751.91	8,951,343.99	8,951,343.99	89,513,439.89	
Say, Estimated Project Cost (EPC)						89,513,500.00
D. PERCENTAGE		80%	10%	10%	100%	

Prepared by:

SERGIO S. TAPALLA
City Engineer II

Approved by:

LUCILO R. BAYRON
City Mayor

FIGURES

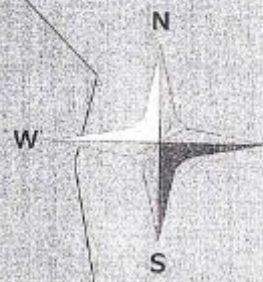
728200 m 729000 m 729800 m 730600 m 731400 m 732200 m 733000 m 733800 m 734600 m 735400 m 736200 m 737000 m

PUERTO PRINCESA

SITE

LOCATION MAP BRGY. LANGOGAN

Figure 1



Mun. of Roxas

Brgy. Binduyan

▪ Sitio. Macandring

THIS SITE
FARM TO MARKET ROAD

Brgy. Hall

LEGEND

- Proposed Concrete Road, 8k
- Brgy. Hall
- So. Macandring
- Road Network
- Brgy. Langogan
- Puerto Princesa Boundary
- Palawan

0 1000 m

Universal Transverse Mercator Zone - 50 (N)
Luzon (Philippines - Mindanao)
1:50000 6/25/2014



Office of the City Planning
and Development Coordinator
Geographic Information System Division

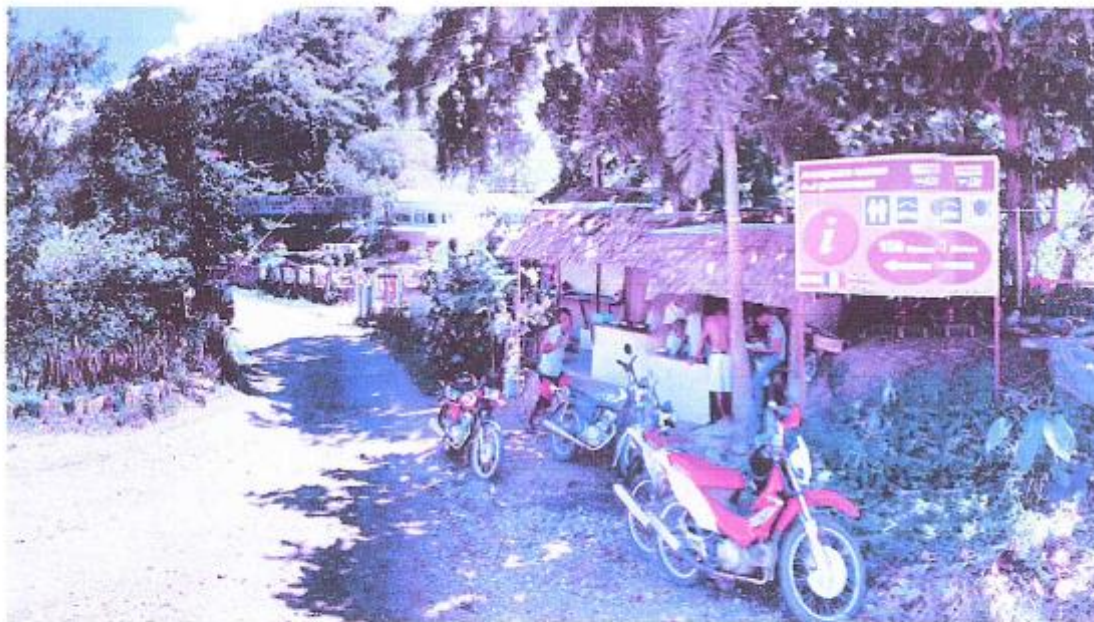
728200 m 729000 m 729800 m 730600 m 731400 m 732200 m 733000 m 733800 m 734600 m 735400 m 736200 m 737000 m

Figure 1

Figure 2
PANORAMIC VIEWS OF THE START OF THE PROJECT AREA
(PUROK BUKANG LIWAYWAY, BARANGAY LANGOGAN



FACING THE NATIONAL HIGHWAY



START OF THE PROPOSED FARM TO MARKET ROAD

Land Slide Susceptibility Map **So. Macandring, Brgy Langogan,** **Puerto Princesa City**

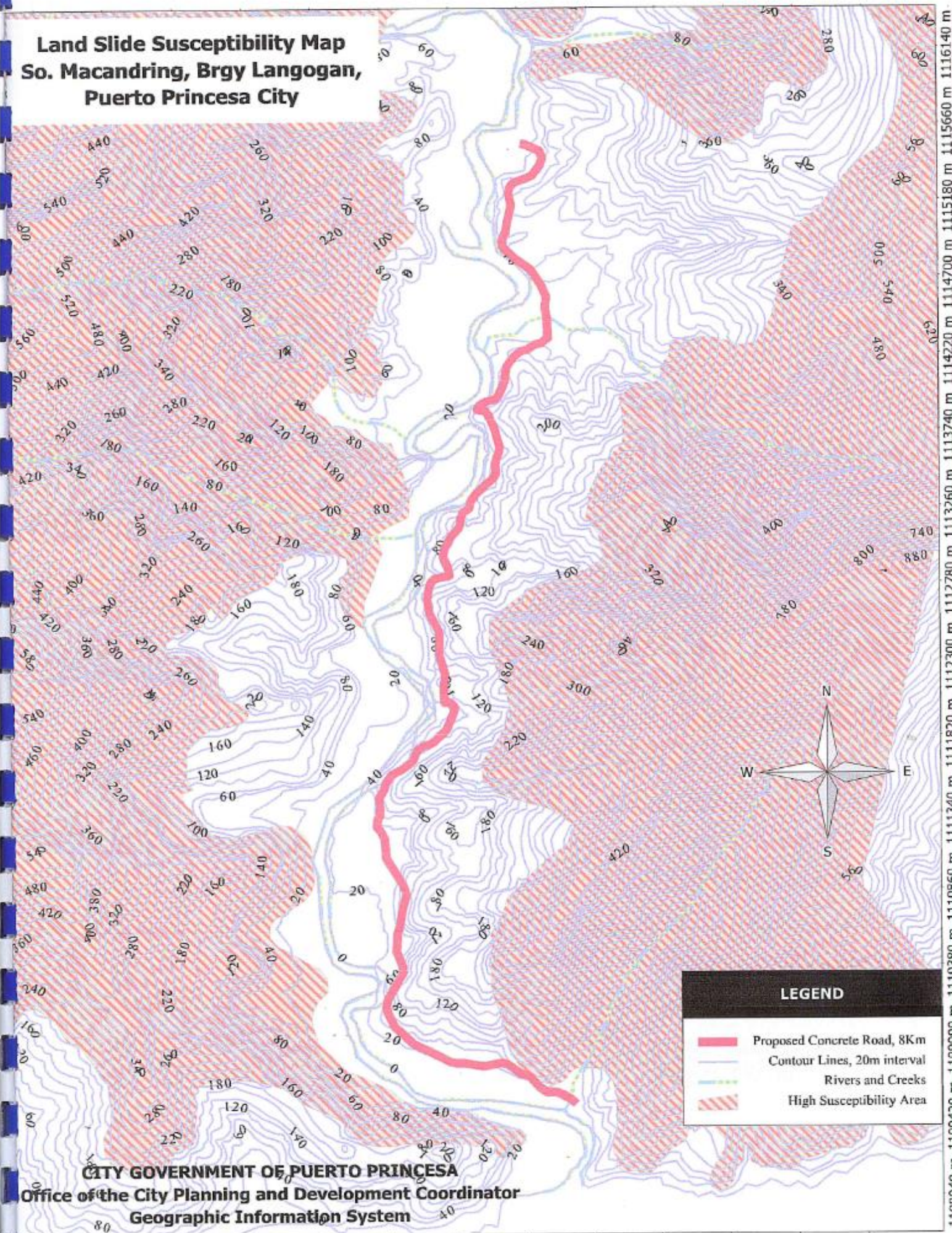


Figure 3

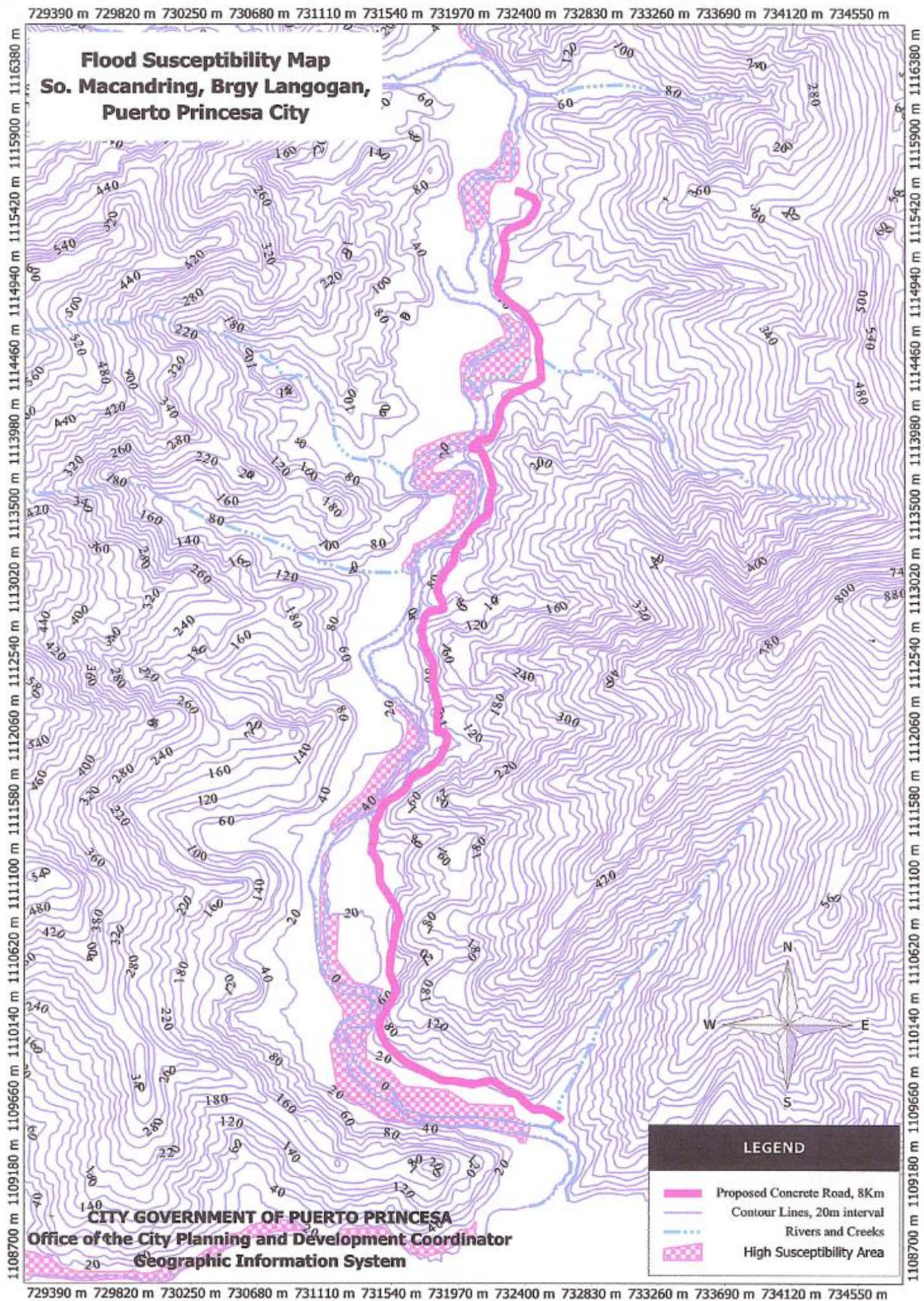


Figure 4