

January 23, 2023

MEMORANDUM

FOR : The Regional Executive Director
MIMAROPA Region

THRU : The Assistant Director for Technical Services

FROM : The OIC, PENR Officer
PENRO, Oriental Mindoro

SUBJECT : **REQUEST OF THE MUNICIPAL LGU OF BONGABONG TO INCREASE THE COVERAGE OF THEIR GSUP PERMIT SITUATED AT BARANGAY HAGAN, BONGABONG, ORIENTAL MINDORO**

Forwarded is the request of Municipal Local Government Unit of Bongabong, Oriental Mindoro to increase the area coverage of their Gratuitous Special Use Permit (GSUP) from 2.061 hectares to 4.12 hectares situated at Barangay Hagan, Bongabong, Oriental Mindoro.

Attached herewith are GIS maps, inspection report with geotagged photos of CENRO Roxas and other pertinent documents relative to the request for your reference.

For consideration.


ALAN L. VALLE

Tracking Nos: 2301000168

TSD/RPS



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region

Community Environment and Natural Resources Office

Camia St., San Mariano, Roxas, Oriental Mindoro

Contact No.: 0917 876 9985 / 0917 169 0232

VOIP: (043) 289-7118

Email: cenroroxasormindoro@denr.gov.ph

January 11, 2023

MEMORANDUM

FOR : The OIC, PENR Officer
Suqui, Calapan City

FROM : The CENR Officer
San Mariano, Roxas, Oriental Mindoro

SUBJEC : **REQUEST FROM THE MUNICIPAL LGU TO INCREASE THE COVERAGE OF THEIR GSUP PERMIT UNDER THE PHILIPPINE RURAL DEVELOPMENT PROJECT (PRDP) SITUATED IN BRGY. HAGAN, BONGABONG, ORIENTAL MINDORO**

DENR-MIMAROPA REGION	
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE	
ORIENTAL MINDORO	
PENRO TRACKING NO.	
RECEIVED BY:	<i>[Signature]</i>
DATE:	JAN 19 2023
TIME:	

We are respectfully forwarding the request from the Municipal LGU of Bongabong to increase the coverage of their Gratuitous Special Use Permit (GSUP) for the portion of forestland from 2.061 hectares to 4.12 hectares under the Philippine Rural Development Project (PRDP) situated at Brgy. Hagan, Bongabong, Oriental Mindoro.

Attached herewith is the GIS map, inspection report and copy of their endorsement letter received by your office dated November 21, 2022 including their GSUP documents for your reference.

For information and record.

ENGR. CAESAR E. QUEBEC



January 10, 2023

MEMORANDUM

FOR : The CENR Officer
San Mariano, Roxas, Oriental Mindoro

FROM : The Inspection Team
San Mariano, Roxas, Oriental Mindoro

SUBJECT : REPORT ON THE ADDITIONAL COVERAGE OF GRATUITOUS SPECIAL USE PERMIT (GSUP) FOR THE SPECIAL USE OF SOME PORTION OF FORESTLAND ON THE CONCRETING OF FARM TO MARKET ROAD (FMR) AND CONSTRUCTION OF BRIDGE TO BE FUNDED BY THE DEPARTMENT OF AGRICULTURE-PHILIPPINE RURAL DEVELOPMENT PROJECT (DA-PRDP) AT SO. CENTRO-PANLUAN-BALITE, BRGY. HAGAN, BONGABONG, ORIENTAL MINDORO

I. REFERENCE

This is in connection with the application of Mayor Eligio A. Malaluan to increase the coverage of their previously issued Gratuitous Special Use Permit (GSUP) for the special use of some portion of forestland for the concreting of Farm to Market Road and construction of bridge that will be funded through the Department of Agriculture-Philippine Rural Development Project (DA-PRDP) situated at So. Centro-Panluan-Balite, Brgy. Hagan, Bongabong, Oriental Mindoro.

II. ACTION UNDERTAKEN

1. Sometime in CY 2022, the team from the Municipality of Bongabong, Oriental Mindoro coordinated to this office regarding the additional coverage of their issued GSUP (DENR-MIMAROPA-GSUP-2022-04) approved on July 15, 2022. They want to increase the 10 meters width to 20 meters for their proposed concreting of Farm to Market Road (FMR) located at So. Centro-Panluan-Balite, Brgy. Hagan, Bongabong, Oriental Mindoro.



Community Environment and Natural Resources Office

Camia St., San Mariano, Roxas, Oriental Mindoro

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Accordingly, the said project will be funded by the Department of Agriculture-Philippine Rural Development Project (DA-PRDP) with counterpart from the Municipality of Bongabong.

During the said coordination meeting, it was agreed that the office will conduct joint inspection together with the representative from the Municipality of Bongabong to determine the exact location on the ground of the proposed FMR, determine the classification of the land and conduct inventory of trees to be affected.

2. A team from CENRO Roxas, Oriental Mindoro together with the representative from the LGU of Bongabong conducted inventory and assessment of the area with information gathered below:
 - a. The width of the said FMR project is 20 meters.
 - b. It has an approximate length of 9.98 kilometers equivalent to an approximate area of 9.98 hectares. Upon overlaying the land classification map, it was found out that some portion of it with an approximate length of 2.061 kilometers falls within the forestland area while the biggest portion of it with an approximate length of 7.919 kilometers falls within the alienable & disposable area.
 - c. There are four hundred forty one (441) affected trees inventoried with a total volume of 77.78 cubic meters. Two hundred twenty one (221) trees with a volume of 24.74 cubic meters is within forestland while two hundred twenty (220) trees with a volume of 53.04 cubic meters falls within alienable & disposable area.
 - d. The affected landowners of the said FMR were agreed to be acted separately by the LGU of Bongabong when it comes to the cost of damages.
3. The result of the said tree inventory and assessment of the project site were presented to the LGU of Bongabong. Wherein it was agreed that the documents shall be prepared /secured for the application and issuance of Tree Cutting Permit (TCP) by the CENRO regarding the affected inventoried trees and Gratuitous Special Use Permit (GSUP) for special use of forestlands affected by the FMR project by the DENR Regional Office.

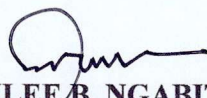


III. RECOMMENDATION

1. Considering that the proponent submitted the required documents for the application for Gratuitous Special Use Permit (GSUP), therefore issuance of the said permit is hereby respectfully recommended for approval by the Regional Executive Director since the project site did not traverse two or more regions as stipulated in Section 7.7 of the DENR Administrative Order No. 2022-01.
2. The application of Tree Cutting Permit (TCP) by the proponent will be process by this office after the submission of required necessary documents.

Attached are the geotagged photos and GIS maps.

For your information and record.


CHUCKLEE B. NGABIT
Forester II/Team Leader

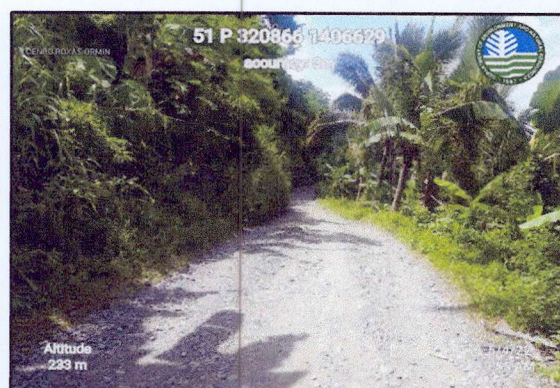

AQUINO D. BAUTISTA
Forester I/Member


LARRY E. HERILLA
Forest Technician I/Member


ACE C. GLORIA
Forest Technician I/Member



Geotagged photos showing the undertaken inspection on the proposed concreting of farm to market road situated at Sitio Centro-Panluan-Balite, Hagan, Bongabong, Oriental Mindoro.





January 10, 2023

MEMORANDUM

FOR : The CENR Officer
San Mariano, Roxas, Oriental Mindoro

FROM : The Inspection Team
San Mariano, Roxas, Oriental Mindoro

SUBJECT : REPORT ON THE ADDITIONAL COVERAGE OF GRATUITOUS SPECIAL USE PERMIT (GSUP) FOR THE SPECIAL USE OF SOME PORTION OF FORESTLAND ON THE CONCRETING OF FARM TO MARKET ROAD (FMR) AND CONSTRUCTION OF BRIDGE TO BE FUNDED BY THE DEPARTMENT OF AGRICULTURE-PHILIPPINE RURAL DEVELOPMENT PROJECT (DA-PRDP) AT SO. CENTRO-PANLUAN-BALITE, BRGY. HAGAN, BONGABONG, ORIENTAL MINDORO

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II. ACTION UNDERTAKEN

1. Sometime in CY 2022, the team from the Municipality of Bongabong, Oriental Mindoro coordinated to this office regarding the additional coverage of their issued GSUP (DENR-MIMAROPA-GSUP-2022-04) approved on July 15, 2022. They want to increase the 10 meters width to 20 meters for their proposed concreting of Farm to Market Road (FMR) located at So. Centro-Panluan-Balite, Brgy. Hagan, Bongabong, Oriental Mindoro.



Community Environment and Natural Resources Office

Camia St., San Mariano, Roxas, Oriental Mindoro

Contact No.: 0917 876 9985 / 0917 169 0232

VOIP: (043) 289-7118

Email: cenroroxasormindoro@denr.gov.ph

Accordingly, the said project will be funded by the Department of Agriculture-Philippine Rural Development Project (DA-PRDP) with counterpart from the Municipality of Bongabong.

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Community Environment and Natural Resources Office

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III. RECOMMENDATION

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Attached are the geotagged photos and GIS maps.

For your information and record.

CHUCKLEE B. NGABIT

Forester II/Team Leader

AQUINO D. BAUTISTA

Forester I/Member

LARRY E. HERILLA

Forest Technician I/Member

ACE C. GLORIA

Forest Technician I/Member



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region

Community Environment and Natural Resources Office

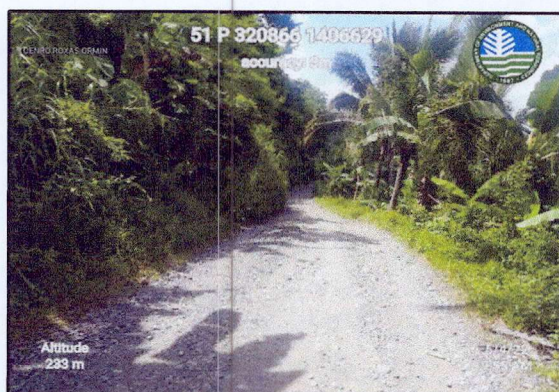
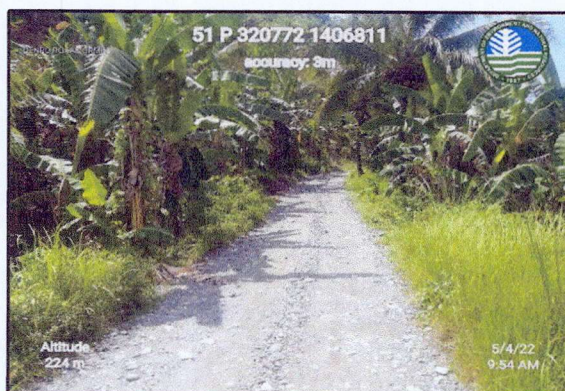
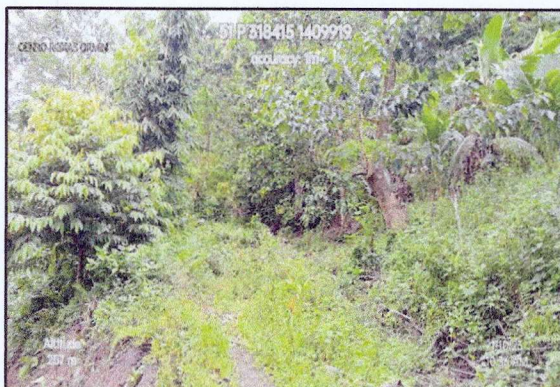
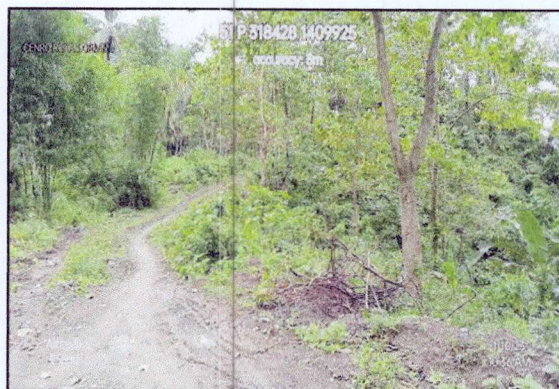
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Contact No.: 0917 876 9985 / 0917 169 0232

VOIP: (043) 289-7118

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Geotagged photos showing the undertaken inspection on the proposed concreting of farm to market road situated at Sitio Centro-Panluan-Balite, Hagan, Bongabong, Oriental Mindoro.



318000 000000

With approved DENR-MIMAROPA-GSUP-2022-04
(10 meters width)

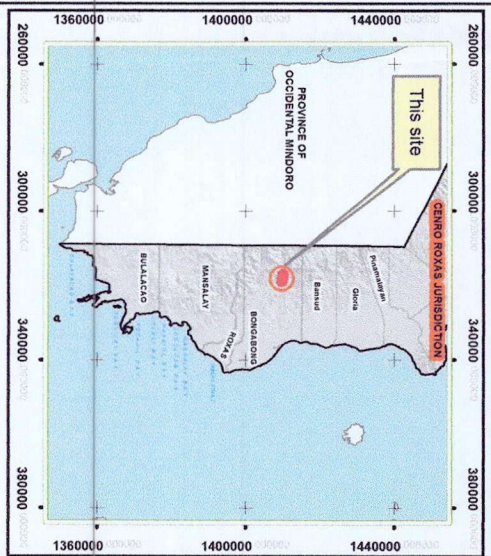
Proposed additional GSUP application
(10 meters width comprises of 5 meters width both sides)

FORESTLAND AREA

1410000 000000

1410000 000000

318000 000000



SCALE 1:11,000

0 60 120 240 360 480
Meters

SOURCES OF INFORMATION:

Spirend: 1986
Projection: Universal Transverse Mercator (UTM)
Horizontal Datum: WGS 1984

MAP OF THE PROPOSED CONCRETING OF CENTRO-PANLUN-BALITE,
HAGAN FARM TO MARKET ROAD WITH BRIDGE
FUNDED UNDER THE DA-PRDP APPLIED FOR
GRATUITOUS SPECIAL USE PERMIT (GSUP)

Located at : Bryg, Hagan, Bongabong, Oriental Mindoro
Proposed Area : 4.12 Hectares

LEGEND:

- Proposed FMIR boundary corner
- Geotag photos of affected trees
- Road length: 2,081 meters
- Road width: 20 meters
- Municipal Boundary
- Provincial Boundary
- Forestland boundary
- Approved GSUP boundary (10m width)

PERSONNEL INCHARGE:

Republic of the Philippines
Department of Environment and Natural Resources
Bureau of Forest Management
San Mariano, Roxas, Oriental Mindoro

Prepared by:

CHUCKEE B. NGABIT
For: IITeam Leader

LARRY E. HERILLA
Member

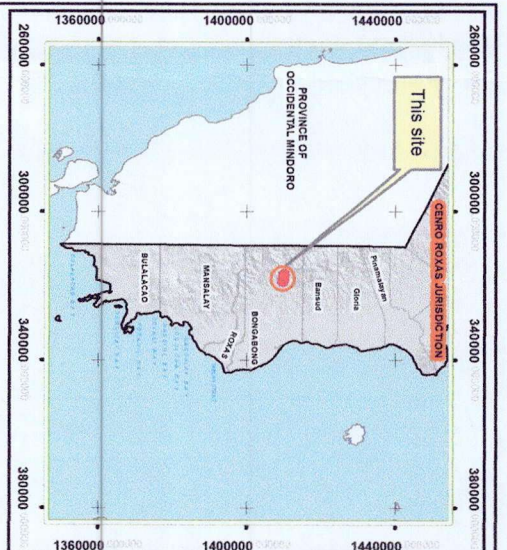
APUNO D. BAUTISTA
For: IITeam Leader
ACE G. MEDOKIA
IITeam member

Attested by:
ENGR. CESAR E. QUEBES
CENR Officer

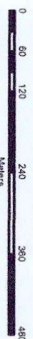
With approved DENR-MIMAROPA-GSUP-2022-04
(10 meters width)

Proposed additional GSUP application
(10 meters width comprises of 5 meters width both sides)

FORESTLAND AREA



SCALE 1:11,000



SOURCES OF INFORMATION:
Spheroid: Clarke 1866
Projection: Universal Transverse Mercator (UTM)
Horizontal Datum: WGS 1984

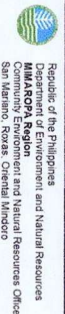
MAP OF THE PROPOSED CONCRETING OF CENTRO-PANLUN-BALITE,
HAGAN FARM TO MARKET ROAD WITH BRIDGE
FUNDED UNDER THE DA-PRDP APPLIED FOR
GRATUITOUS SPECIAL USE PERMIT (GSUP)

Located at : Brgy. Hagan, Bongabong, Oriental Mindoro
Proposed Area : 4.12 Hectares

LEGEND:

- Proposed FMIR boundary corner
- Geotagging photos of affected trees
- Road length: 2,061 meters
- Road width: 20 meters
- Municipal Boundary
- Provincial Boundary
- Forestland boundary
- Approved GSUP boundary (10m width)

PERSONNEL IN CHARGE:



This is to certify that this is the true and correct map of the proposed farm to market road project funded by DA-PRDP as described herein. This map was prepared based on actual survey using GPS instrument.

Prepared by:

CHUCKLEE B. NGABIT
For: JRT Team Leader
LARRY E. XERILLA
JRT Member
APUNO D. BAUTISTA
For: JRT Member
ANGELICA
JRT Member

Attested by:
ENGR. CAESAR E. QUEBEC
CEIR Officer

**TECHNICAL DESCRIPTION OF THE PROPOSED
CENTRO-PANLUAN-BALITE, HAGAN FARM TO
MARKET ROAD (WITHIN FORESTLAND)**

CORNER	NORTHING	EASTING
1	1410004.069	317198.6801
2	1410006.667	317194.4078
3	1410009.264	317190.1356
4	1410011.862	317185.8633
5	1410014.459	317181.591
6	1410019.157	317184.4474
7	1410019.474	317184.6567
8	1410020.09	317185.0987
9	1410020.39	317185.3315
10	1410020.711	317185.6261
11	1410021.328	317186.2424
12	1410021.622	317186.564
13	1410021.726	317186.6921
14	1410021.93	317186.9517
15	1410022.03	317187.0831
16	1410049.05	317223.9758
17	1410049.204	317224.199
18	1410049.501	317224.6533
19	1410049.643	317224.8846
20	1410049.844	317225.2715
21	1410050.212	317226.0614
22	1410050.379	317226.4644
23	1410050.51	317226.8804
24	1410050.736	317227.7222
25	1410050.83	317228.1481
26	1410050.887	317228.5805
27	1410050.963	317229.4488
28	1410050.982	317229.8846
29	1410050.967	317230.2808
30	1410050.904	317231.0707
31	1410050.857	317231.4645
32	1410041.831	317287.8748
33	1410048.886	317344.3851
34	1410048.915	317344.6942
35	1410048.954	317345.3136
36	1410048.963	317345.624
37	1410048.944	317346.0597
38	1410048.868	317346.928

39	1410048.802	317347.4117
40	1410048.741	317347.7183
41	1410040.106	317387.0336
42	1410044.853	317404.8562
43	1410083.803	317416.6018
44	1410083.937	317416.6442
45	1410084.203	317416.7329
46	1410084.336	317416.779
47	1410084.739	317416.946
48	1410085.529	317417.3143
49	1410085.915	317417.5157
50	1410086.283	317417.7501
51	1410086.997	317418.25
52	1410087.343	317418.5155
53	1410087.612	317418.7579
54	1410088.131	317419.2614
55	1410088.381	317419.5226
56	1410112.951	317447.092
57	1410113.097	317447.2611
58	1410113.387	317447.6355
59	1410113.887	317448.3495
60	1410114.121	317448.7174
61	1410114.323	317449.1043
62	1410114.691	317449.8942
63	1410114.858	317450.2972
64	1410114.948	317450.5674
65	1410115.112	317451.1125
66	1410115.186	317451.3874
67	1410124.047	317488.3714
68	1410140.067	317513.1847
69	1410140.133	317513.2899
70	1410140.263	317513.502
71	1410140.326	317513.6088
72	1410140.528	317513.9958
73	1410140.896	317514.7857
74	1410141.063	317515.1886
75	1410141.194	317515.6047
76	1410141.42	317516.4465
77	1410141.514	317516.8724
78	1410141.563	317517.2235
79	1410141.637	317517.9284
80	1410141.661	317518.2821
81	1410143.249	317566.8744
82	1410143.253	317567.1194

83	1410143.234	317567.5961
84	1410143.158	317568.4643
85	1410143.101	317568.8968
86	1410143.007	317569.3226
87	1410142.781	317570.1645
88	1410142.65	317570.5805
89	1410142.483	317570.9835
90	1410142.115	317571.7734
91	1410141.914	317572.1603
92	1410141.674	317572.536
93	1410141.41	317572.8942
94	1410141.152	317573.2577
95	1410140.894	317573.612
96	1410107.647	317612.6364
97	1410107.359	317612.9468
98	1410106.758	317613.5419
99	1410106.445	317613.8266
100	1410053.605	317657.7493
101	1409984.491	317712.8534
102	1409983.166	317720.5213
103	1410005.132	317772.7386
104	1410005.178	317772.8524
105	1410005.268	317773.0811
106	1410005.312	317773.196
107	1410005.443	317773.612
108	1410005.668	317774.4539
109	1410005.763	317774.8797
110	1410005.82	317775.3122
111	1410005.896	317776.1804
112	1410005.915	317776.6162
113	1410005.896	317777.052
114	1410005.82	317777.9202
115	1410005.763	317778.3527
116	1410005.668	317778.7765
117	1410005.443	317779.6204
118	1410005.312	317780.0364
119	1410005.197	317780.3239
120	1410004.949	317780.8911
121	1410004.817	317781.1709
122	1409977.928	317833.7266
123	1409974.723	317853.6862
124	1409975.895	317908.8709
125	1409975.878	317909.342
126	1409975.8	317910.283

127	1409975.738	317910.7529
128	1409970.524	317939.0054
129	1409970.47	317939.2589
130	1409970.35	317939.7628
131	1409970.283	317940.0132
132	1409955.515	317990.2039
133	1409955.477	317990.3273
134	1409955.398	317990.5731
135	1409955.357	317990.6955
136	1409938.25	318039.391
137	1409937.16	318079.9261
138	1409937.151	318080.1327
139	1409937.122	318080.5454
140	1409937.104	318080.7514
141	1409930.573	318140.0871
142	1409938.781	318202.9616
143	1409944.166	318222.2235
144	1409944.226	318222.461
145	1409944.334	318222.9389
146	1409944.383	318223.1791
147	1409944.44	318223.6115
148	1409944.516	318224.4798
149	1409944.535	318224.9156
150	1409944.516	318225.3513
151	1409944.44	318226.2196
152	1409944.375	318226.6974
153	1409944.321	318226.969
154	1409938.011	318256.3704
155	1409938.407	318290.1615
156	1409938.401	318290.4509
157	1409938.371	318291.0304
158	1409938.347	318291.3205
159	1409932.588	318343.3436
160	1409944.601	318370.1957
161	1409944.671	318370.3604
162	1409944.805	318370.6922
163	1409944.87	318370.8593
164	1409945.001	318371.2753
165	1409945.226	318372.1172
166	1409945.321	318372.543
167	1409945.378	318372.9755
168	1409945.454	318373.8437
169	1409945.473	318374.2795
170	1409945.469	318374.4862

171	1409945.451	318374.8992
172	1409945.439	318375.1056
173	1409943.408	318399.6051
174	1409943.088	318449.0558
175	1409943.081	318449.3457
176	1409941.6	318482.1602
177	1409941.575	318482.4827
178	1409941.504	318483.1255
179	1409941.458	318483.4457
180	1409941.398	318483.7362
181	1409941.261	318484.313
182	1409941.183	318484.5994
183	1409927.142	318531.111
184	1409915.76	318607.1118
185	1409915.722	318607.3447
186	1409906.204	318658.927
187	1409903.758	318717.7732
188	1409906.832	318757.8624
189	1409906.843	318758.0534
190	1409906.85 /	318758.435 /
191	1409906.861	318758.627
192	1409906.842	318759.0628
193	1409906.766	318759.931
194	1409906.709	318760.3635
195	1409906.622	318760.7637
196	1409906.414	318761.5556
197	1409906.294	318761.9473
198	1409901.069	318776.7916
199	1409887.514	318815.7997
200	1409861.59	318920.8671
201	1409861.519	318921.1281
202	1409861.362	318921.6458
203	1409861.276	318921.9025
204	1409861.226	318922.0325
205	1409861.124	318922.2911
206	1409861.071	318922.4197
207	1409828.462	318998.5486
208	1409828.337	318998.8182
209	1409828.071	318999.3494
210	1409827.93	318999.6111
211	1409827.796	318999.8292
212	1409827.518	319000.2582
213	1409827.374	319000.4692
214	1409780.786	319064.923

215	1409780.076	319065.9061
216	1409775.793	319063.2958
217	1409771.51	319060.6855
218	1409767.05	319058.4262
219	1409762.597	319056.1705
220	1409762.653	319056.0456
221	1409762.783	319055.805
222	1409762.85	319055.6855
223	1409762.983	319055.4675
224	1409763.261	319055.0385
225	1409763.406	319054.8275
226	1409772.682	319041.9944
227	1409810.515	318989.653
228	1409842.363	318915.2999
229	1409868.207	318810.055
230	1409868.271	318809.8195
231	1409868.411	318809.3517
232	1409868.486	318809.1195
233	1409886.729	318757.2925
234	1409883.771	318718.7129
235	1409883.76	318718.5219
236	1409883.746	318718.1397
237	1409883.742	318717.8965
238	1409883.749	318717.5849
239	1409884.266	318705.1286
240	1409886.251	318657.3911
241	1409886.277	318657.0495
242	1409886.352	318656.3694
243	1409886.401	318656.031
244	1409896.012	318603.9451
245	1409907.474	318527.4011
246	1409907.506	318527.2094
247	1409907.571	318526.887
248	1409907.709	318526.3102
249	1409907.786	318526.0238
250	1409921.677	318480.0127
251	1409923.091	318448.6852
252	1409923.411	318399.0947
253	1409923.416	318398.9041
254	1409923.433	318398.5233
255	1409923.445	318398.3331
256	1409925.295	318376.0161
257	1409913.221	318349.0294
258	1409913.151	318348.8647


259	1409913.016	318348.5329
260	1409912.952	318348.3658
261	1409912.821	318347.9498
262	1409912.595	318347.1079
263	1409912.501	318346.6821
264	1409912.444	318346.2496
265	1409912.368	318345.3814
266	1409912.349	318344.9456
267	1409912.357	318344.6701
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278	1409919.267	318207.4197
279	1409919.159	318206.9419
280	1409919.11	318206.7016
281	1409919.092	318206.5914
282	1409919.058	318206.3704
283	1409919.042	318206.2597
284	1409910.585	318141.4833
285	1409910.554	318141.1604
286	1409910.512	318140.5131
287	1409910.501	318140.1887
288	1409910.509	318139.9148
289	1409910.539	318139.3677
290	1409910.561	318139.0946
291	1409917.179	318078.9746
292	1409918.3	318037.2866
293	1409918.323	318036.9183
294	1409918.398	318036.1845
295	1409918.448	318035.8189
296	1409918.535	318035.4202
297	1409918.742	318034.6313
298	1409918.861	318034.2411
299	1409936.401	317984.3106
300	1409950.95	317934.8655
301	1409955.877	317908.1676
302	1409954.708	317853.1004

303	1409954.721	317852.6778
304	1409954.783	317851.832
305	1409954.833	317851.4087
306	1409958.445	317828.9188
307	1409958.54	317828.4745
308	1409958.772	317827.5949
309	1409958.909	317827.1596
310	1409959.023	317826.8721
311	1409959.271	317826.3049
312	1409959.403	317826.0251
313	1409984.893	317776.2043
314	1409963.596	317725.5796
315	1409963.55	317725.4658
316	1409963.46	317725.2371
317	1409963.417	317725.1223
318	1409963.286	317724.7062
319	1409963.06	317723.8644
320	1409962.966	317723.4385
321	1409962.909	317723.0061
322	1409962.833	317722.1378
323	1409962.814	317721.702
324	1409962.832	317721.2749
325	1409962.905	317720.4238
326	1409962.96	317719.9998
327	1409965.433	317705.6852
328	1409965.528	317705.255
329	1409965.755	317704.4046
330	1409965.887	317703.9844
331	1409966.054	317703.5814
332	1409966.422	317702.7915
333	1409966.624	317702.4046
334	1409966.858	317702.0367
335	1409967.358	317701.3227
336	1409967.623	317700.9767
337	1409967.918	317700.6551
338	1409968.534	317700.0388
339	1409968.88	317699.7241
340	1409969.026	317699.6051
341	1410040.978	317642.2393
342	1410092.981	317599.0113
343	1410123.132	317563.6202
344	1410121.762	317521.7051
345	1410106.319	317497.7856
346	1410106.252	317497.6803

347	1410106.123	317497.4683
348	1410106.059	317497.3614
349	1410105.858	317496.9745
350	1410105.49	317496.1846
351	1410105.323	317495.7816
352	1410105.233	317495.5114
353	1410105.069	317494.9663
354	1410104.995	317494.6914
355	1410096.322	317458.4931
356	1410075.327	317434.9355
357	1410033.738	317422.394
358	1410033.605	317422.3516
359	1410033.338	317422.263
360	1410033.205	317422.2168
361	1410032.802	317422.0499
362	1410032.012	317421.6816
363	1410031.626	317421.4802
364	1410031.258	317421.2458
365	1410030.544	317420.7459
366	1410030.198	317420.4803
367	1410029.876	317420.1857
368	1410029.26	317419.5694
369	1410028.965	317419.2478
370	1410028.7	317418.9017
371	1410028.2	317418.1878
372	1410027.965	317417.8199
373	1410027.764	317417.433
374	1410027.396	317416.6431
375	1410027.229	317416.2401
376	1410027.157	317416.03
377	1410027.024	317415.6067
378	1410026.962	317415.3936
379	1410020.155	317389.8342
380	1410020.104	317389.6258
381	1410020.012	317389.2072
382	1410019.97	317388.9969
383	1410019.913	317388.5644
384	1410019.837	317387.6962
385	1410019.818	317387.2604
386	1410019.837	317386.8246
387	1410019.913	317385.9564
388	1410019.979	317385.4727
389	1410020.04	317385.1661
390	1410028.827	317345.1573

391	1410021.809	317288.9396
392	1410021.78	317288.6305
393	1410021.741	317288.0111
394	1410021.732	317287.7008
395	1410021.747	317287.3046
396	1410021.81	317286.5146
397	1410021.857	317286.1209
398	1410030.449	317232.426
399	1410007.069	317200.504

Prepared by:


CHUCKLEE B. NGABIT
 For. II/GIS Team Leader

**TECHNICAL DESCRIPTION OF THE PROPOSED
CENTRO-PANLUAN-BALITE, HAGAN FARM TO
MARKET ROAD (WITHIN FORESTLAND)**

CORNER	NORTHING	EASTING
1	1410004.069	317198.6801
2	1410006.667	317194.4078
3	1410009.264	317190.1356
4	1410011.862	317185.8633
5	1410014.459	317181.591
6	1410019.157	317184.4474
7	1410019.474	317184.6567
8	1410020.09	317185.0987
9	1410020.39	317185.3315
10	1410020.711	317185.6261
11	1410021.328	317186.2424
12	1410021.622	317186.564
13	1410021.726	317186.6921
14	1410021.93	317186.9517
15	1410022.03	317187.0831
16	1410049.05	317223.9758
17	1410049.204	317224.199
18	1410049.501	317224.6533
19	1410049.643	317224.8846
20	1410049.844	317225.2715
21	1410050.212	317226.0614
22	1410050.379	317226.4644
23	1410050.51	317226.8804
24	1410050.736	317227.7222
25	1410050.83	317228.1481
26	1410050.887	317228.5805
27	1410050.963	317229.4488
28	1410050.982	317229.8846
29	1410050.967	317230.2808
30	1410050.904	317231.0707
31	1410050.857	317231.4645
32	1410041.831	317287.8748
33	1410048.886	317344.3851
34	1410048.915	317344.6942
35	1410048.954	317345.3136
36	1410048.963	317345.624
37	1410048.944	317346.0597
38	1410048.868	317346.928

39	1410048.802	317347.4117
40	1410048.741	317347.7183
41	1410040.106	317387.0336
42	1410044.853	317404.8562
43	1410083.803	317416.6018
44	1410083.937	317416.6442
45	1410084.203	317416.7329
46	1410084.336	317416.779
47	1410084.739	317416.946
48	1410085.529	317417.3143
49	1410085.915	317417.5157
50	1410086.283	317417.7501
51	1410086.997	317418.25
52	1410087.343	317418.5155
53	1410087.612	317418.7579
54	1410088.131	317419.2614
55	1410088.381	317419.5226
56	1410112.951	317447.092
57	1410113.097	317447.2611
58	1410113.387	317447.6355
59	1410113.887	317448.3495
60	1410114.121	317448.7174
61	1410114.323	317449.1043
62	1410114.691	317449.8942
63	1410114.858	317450.2972
64	1410114.948	317450.5674
65	1410115.112	317451.1125
66	1410115.186	317451.3874
67	1410124.047	317488.3714
68	1410140.067	317513.1847
69	1410140.133	317513.2899
70	1410140.263	317513.502
71	1410140.326	317513.6088
72	1410140.528	317513.9958
73	1410140.896	317514.7857
74	1410141.063	317515.1886
75	1410141.194	317515.6047
76	1410141.42	317516.4465
77	1410141.514	317516.8724
78	1410141.563	317517.2235
79	1410141.637	317517.9284
80	1410141.661	317518.2821
81	1410143.249	317566.8744
82	1410143.253	317567.1194

83	1410143.234	317567.5961
84	1410143.158	317568.4643
85	1410143.101	317568.8968
86	1410143.007	317569.3226
87	1410142.781	317570.1645
88	1410142.65	317570.5805
89	1410142.483	317570.9835
90	1410142.115	317571.7734
91	1410141.914	317572.1603
92	1410141.674	317572.536
93	1410141.41	317572.8942
94	1410141.152	317573.2577
95	1410140.894	317573.612
96	1410107.647	317612.6364
97	1410107.359	317612.9468
98	1410106.758	317613.5419
99	1410106.445	317613.8266
100	1410053.605	317657.7493
101	1409984.491	317712.8534
102	1409983.166	317720.5213
103	1410005.132	317772.7386
104	1410005.178	317772.8524
105	1410005.268	317773.0811
106	1410005.312	317773.196
107	1410005.443	317773.612
108	1410005.668	317774.4539
109	1410005.763	317774.8797
110	1410005.82	317775.3122
111	1410005.896	317776.1804
112	1410005.915	317776.6162
113	1410005.896	317777.052
114	1410005.82	317777.9202
115	1410005.763	317778.3527
116	1410005.668	317778.7785
117	1410005.443	317779.6204
118	1410005.312	317780.0364
119	1410005.197	317780.3239
120	1410004.949	317780.8911
121	1410004.817	317781.1709
122	1409977.928	317833.7266
123	1409974.723	317853.6862
124	1409975.895	317908.8709
125	1409975.878	317909.342
126	1409975.8	317910.283

127	1409975.738	317910.7529
128	1409970.524	317939.0054
129	1409970.47	317939.2589
130	1409970.35	317939.7628
131	1409970.283	317940.0132
132	1409955.515	317990.2039
133	1409955.477	317990.3273
134	1409955.398	317990.5731
135	1409955.357	317990.6955
136	1409938.25	318039.391
137	1409937.16	318079.9261
138	1409937.151	318080.1327
139	1409937.122	318080.5454
140	1409937.104	318080.7514
141	1409930.573	318140.0871
142	1409938.781	318202.9616
143	1409944.166	318222.2235
144	1409944.226	318222.461
145	1409944.334	318222.9389
146	1409944.383	318223.1791
147	1409944.44	318223.6115
148	1409944.516	318224.4798
149	1409944.535	318224.9156
150	1409944.516	318225.3513
151	1409944.44	318226.2196
152	1409944.375	318226.6974
153	1409944.321	318226.969
154	1409938.011	318256.3704
155	1409938.407	318290.1615
156	1409938.401	318290.4509
157	1409938.371	318291.0304
158	1409938.347	318291.3205
159	1409932.588	318343.3436
160	1409944.601	318370.1957
161	1409944.671	318370.3604
162	1409944.805	318370.6922
163	1409944.87	318370.8593
164	1409945.001	318371.2753
165	1409945.226	318372.1172
166	1409945.321	318372.543
167	1409945.378	318372.9755
168	1409945.454	318373.8437
169	1409945.473	318374.2795
170	1409945.469	318374.4862

171	1409945.451	318374.8992
172	1409945.439	318375.1056
173	1409943.408	318399.6051
174	1409943.088	318449.0558
175	1409943.081	318449.3457
176	1409941.6	318482.1602
177	1409941.575	318482.4827
178	1409941.504	318483.1255
179	1409941.458	318483.4457
180	1409941.398	318483.7362
181	1409941.261	318484.313
182	1409941.183	318484.5994
183	1409927.142	318531.111
184	1409915.76	318607.1118
185	1409915.722	318607.3447
186	1409906.204	318658.927
187	1409903.758	318717.7732
188	1409906.832	318757.8624
189	1409906.843	318758.0534
190	1409906.857	318758.4357
191	1409906.861	318758.627
192	1409906.842	318759.0628
193	1409906.766	318759.931
194	1409906.709	318760.3635
195	1409906.622	318760.7637
196	1409906.414	318761.5556
197	1409906.294	318761.9473
198	1409901.069	318776.7916
199	1409887.514	318815.7997
200	1409861.59	318920.8671
201	1409861.519	318921.1281
202	1409861.362	318921.6458
203	1409861.276	318921.9025
204	1409861.226	318922.0325
205	1409861.124	318922.2911
206	1409861.071	318922.4197
207	1409828.462	318998.5486
208	1409828.337	318998.8182
209	1409828.071	318999.3494
210	1409827.93	318999.6111
211	1409827.796	318999.8292
212	1409827.518	319000.2582
213	1409827.374	319000.4692
214	1409780.786	319064.923

215	1409780.076	319065.9061
216	1409775.793	319063.2958
217	1409771.51	319060.6855
218	1409767.05	319058.4262
219	1409762.597	319056.1705
220	1409762.653	319056.0456
221	1409762.783	319055.805
222	1409762.85	319055.6855
223	1409762.983	319055.4675
224	1409763.261	319055.0385
225	1409763.406	319054.8275
226	1409772.682	319041.9944
227	1409810.515	318989.653
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230	1409868.271	318809.8195
231	1409868.411	318809.3517
232	1409868.486	318809.1195
233	1409886.729	318757.2925
234	1409883.771	318718.7129
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237	1409883.742	318717.8965
238	1409883.749	318717.5849
239	1409884.266	318705.1286
240	1409886.251	318657.3911
241	1409886.277	318657.0495
242	1409886.352	318656.3694
243	1409886.401	318656.031
244	1409896.012	318603.9451
245	1409907.474	318527.4011
246	1409907.506	318527.2094
247	1409907.571	318526.887
248	1409907.709	318526.3102
249	1409907.786	318526.0238
250	1409921.677	318480.0127
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253	1409923.416	318398.9041
254	1409923.433	318398.5233
255	1409923.445	318398.3331
256	1409925.295	318376.0161
257	1409913.221	318349.0294
258	1409913.151	318348.8647

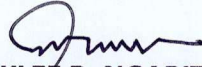
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260	1409912.952	318348.3658
261	1409912.821	318347.9498
262	1409912.595	318347.1079
263	1409912.501	318346.6821
264	1409912.444	318346.2496
265	1409912.368	318345.3814
266	1409912.349	318344.9456
267	1409912.357	318344.6701
268	1409912.387	318344.1199
269	1409912.41	318343.8452
270	1409918.401	318289.7267
271	1409917.999	318255.4259
272	1409918.017	318254.9759
273	1409918.092	318254.0784
274	1409918.159	318253.5855
275	1409918.212	318253.3139
276	1409924.24	318225.2304
277	1409919.327	318207.6573
278	1409919.267	318207.4197
279	1409919.159	318206.9419
280	1409919.11	318206.7016
281	1409919.092	318206.5914
282	1409919.058	318206.3704
283	1409919.042	318206.2597
284	1409910.585	318141.4833
285	1409910.554	318141.1604
286	1409910.512	318140.5131
287	1409910.501	318140.1887
288	1409910.509	318139.9148
289	1409910.539	318139.3677
290	1409910.561	318139.0946
291	1409917.179	318078.9746
292	1409918.3	318037.2866
293	1409918.323	318036.9183
294	1409918.398	318036.1845
295	1409918.448	318035.8189
296	1409918.535	318035.4202
297	1409918.742	318034.6313
298	1409918.861	318034.2411
299	1409936.401	317984.3106
300	1409950.95	317934.8655
301	1409955.877	317908.1676
302	1409954.708	317853.1004

303	1409954.721	317852.6778
304	1409954.783	317851.832
305	1409954.833	317851.4087
306	1409958.445	317828.9188
307	1409958.54	317828.4745
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309	1409958.909	317827.1596
310	1409959.023	317826.8721
311	1409959.271	317826.3049
312	1409959.403	317826.0251
313	1409984.893	317776.2043
314	1409963.596	317725.5796
315	1409963.55	317725.4658
316	1409963.46	317725.2371
317	1409963.417	317725.1223
318	1409963.286	317724.7062
319	1409963.06	317723.8644
320	1409962.966	317723.4385
321	1409962.909	317723.0061
322	1409962.833	317722.1378
323	1409962.814	317721.702
324	1409962.832	317721.2749
325	1409962.905	317720.4238
326	1409962.96	317719.9998
327	1409965.433	317705.6852
328	1409965.528	317705.255
329	1409965.755	317704.4046
330	1409965.887	317703.9844
331	1409966.054	317703.5814
332	1409966.422	317702.7915
333	1409966.624	317702.4046
334	1409966.858	317702.0367
335	1409967.358	317701.3227
336	1409967.623	317700.9767
337	1409967.918	317700.6551
338	1409968.534	317700.0388
339	1409968.88	317699.7241
340	1409969.026	317699.6051
341	1410040.978	317642.2393
342	1410092.981	317599.0113
343	1410123.132	317563.6202
344	1410121.762	317521.7051
345	1410106.319	317497.7856
346	1410106.252	317497.6803

347	1410106.123	317497.4683
348	1410106.059	317497.3614
349	1410105.858	317496.9745
350	1410105.49	317496.1846
351	1410105.323	317495.7816
352	1410105.233	317495.5114
353	1410105.069	317494.9663
354	1410104.995	317494.6914
355	1410096.322	317458.4931
356	1410075.327	317434.9355
357	1410033.738	317422.394
358	1410033.605	317422.3516
359	1410033.338	317422.263
360	1410033.205	317422.2168
361	1410032.802	317422.0499
362	1410032.012	317421.6816
363	1410031.626	317421.4802
364	1410031.258	317421.2458
365	1410030.544	317420.7459
366	1410030.198	317420.4803
367	1410029.876	317420.1857
368	1410029.26	317419.5694
369	1410028.965	317419.2478
370	1410028.7	317418.9017
371	1410028.2	317418.1878
372	1410027.965	317417.8199
373	1410027.764	317417.433
374	1410027.396	317416.6431
375	1410027.229	317416.2401
376	1410027.157	317416.03
377	1410027.024	317415.6067
378	1410026.962	317415.3936
379	1410020.155	317389.8342
380	1410020.104	317389.6258
381	1410020.012	317389.2072
382	1410019.97	317388.9969
383	1410019.913	317388.5644
384	1410019.837	317387.6962
385	1410019.818	317387.2604
386	1410019.837	317386.8246
387	1410019.913	317385.9564
388	1410019.979	317385.4727
389	1410020.04	317385.1661
390	1410028.827	317345.1573

391	1410021.809	317288.9396
392	1410021.78	317288.6305
393	1410021.741	317288.0111
394	1410021.732	317287.7008
395	1410021.747	317287.3046
396	1410021.81	317286.5146
397	1410021.857	317286.1209
398	1410030.449	317232.426
399	1410007.069	317200.504

Prepared by:



CHUCKLEE B. NGABIT

For. II/GIS Team Leader



GSUP Code: DENR-MIMAROPA-GSUP-2022-04

Date of Approval: JUL 15 2022

**ADDITIONAL TERMS, CONDITIONS AND INSTRUCTIONS UNDER THE
GRATUITOUS SPECIAL USE PERMIT**

1. The area granted in this Permit: (a) is a public forest land based on existing records; (b) shall not be involved in any private transaction.
2. The annual government share or user's fee is waived in favor of the **Permittee**.
3. The **Permittee** shall: (a) comply with the laws, rules and regulations and instructions now or hereinafter enforced for the proper use of the land; (b) respect any legal or prior claims; (c) conserve the corners and boundary lines of the area; (d) protect any wetlands such as spring, waterfalls, peatlands, swamps, lake and marshes or natural/historical/archaeological sites in the area; (e) report to the nearest local forest officer(s) all forest violations in the area and adjacent lands; and (f) submit a year-end report, not later than March 30 of the succeeding year, to the concerned Regional Executive Director thru the CENRO/PENRO the kind, number and value of improvement(s) introduced in the area, among others.
4. The **Permittee** shall: (a) not appropriate for himself/herself the exclusive use of public trails traversing or adjoining the area or impede the use thereof by the public; (b) not sublease the area or any portion thereof; and (c) protect and conserve threatened, unique, rare and endangered trees/plants/wildlife identified under existing rules and regulations.
5. A separate permit shall be secured by the Permittee should tree cutting be necessary. However, no tree, regardless of species, shall be cut in the permitted area if found within forty (40) meters from banks of rivers, creeks or streams and buffer strips. In case the said 40-meter strip is bereft of trees, the same shall be rehabilitated by the **Permittee**.
6. The **Permittee** shall strictly observe the terms and conditions of the ECC. In case the Permittee will conduct periodic rehabilitation of the infrastructures or introduce new appurtenances within the GSUP area, the same shall secure an appropriate clearance from the EMB for the purpose and submit the clearance to the concerned DENR Regional Office prior to such undertakings therein.
7. The **Permittee** shall strictly observe sanitary measures within the permit area to ensure protection of watershed values.
8. The **Permittee** shall protect the permitted area from forest fires and other forms of forest destruction.

FOREST LAND

35 - FOREST LAND

START STA. 7+180

4b

END STA. 9+980



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
MIMAROPA REGION
1515 L&S Building, Roxas Boulevard, Ermita, Manila

GRATUITIOUS SPECIAL USE PERMIT
(Farm to Market Road)
NO. DENR-MIMAROPA-GSUP-2022-04

Municipal Local Government Unit of Bongabong, Oriental Mindoro
(Proponent)

Barangay Hagan, Bongabong, Oriental Mindoro
(Location of the Project Area)

Farm to Market Road
(Type of Special Use)

This **PERMIT** is hereby granted to the **Municipal Local Government Unit of Bongabong, Oriental Mindoro** with business/postal address at **Bongabong, Oriental Mindoro** to occupy **2.061** hectare/s of public forest lands situated in **Barangay Hagan, Bongabong, Oriental Mindoro** and the same is depicted on the attached map which forms part of this permit.

The Permittee's occupational and utilization of the areas as **Farm to Market Road** shall be free of charge.

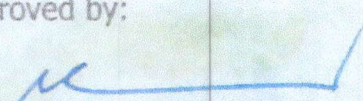
The privilege granted under this **PERMIT** for the use of the area solely by the above-named Permittee is for **Farm to Market Road** only.

This **PERMIT** is subject to existing forestry laws, policies, rules and regulations as well as those that may hereinafter be promulgated and to the additional terms and conditions and instructions stipulated in the attached sheet which forms part of this **PERMIT**.

This **PERMIT** is **NON-TRANSFERRABLE** and **NON-NEGOTIABLE** and EXPIRES on **July 16, 2027**.

Issued this JUL 15 2022 at Manila, Philippines.

Approved by:


LORMELYN E. CALUDIO, CESO IV
Regional Executive Director



Department of Environment and Natural Resources
MIMAROPA Region



Doc ID: 90320



GRATUITIOUS SPECIAL USE PERMIT

(Farm to Market Road)

DENR-MIMAROPA-GSUP-2022-04

of

Municipal Local Government Unit of Bongabong, Oriental Mindoro

(Proponent)

Barangay Hagan, Bongabong, Oriental Mindoro

(Location of the Project Area)

Farm to Market Road

(Type of Special Use of Project)

Date of Approval: JUL 15 2022

In accordance with DENR Administrative Order No. 2022-01 dated January 11, 2022 this **PERMIT** is hereby granted to the **Municipal Local Government Unit of Bongabong, Oriental Mindoro** with business/postal address at **Bongabong, Oriental Mindoro** to occupy **2.061** hectare/s (approximately 2.061 meters long and 10 meters wide) of public forest lands situated in **Barangay Hagan, Bongabong, Oriental Mindoro** and the same is depicted on the attached map which forms part of this permit.


The Permittee's occupational and utilization of the area as **Farm to Market Road** shall be free of charge.

The privilege granted under this **PERMIT** for the use of the area solely by the above-named Permittee is for **Farm to Market Road** only.

This **PERMIT** is subject to existing forestry laws, policies, rules and regulations as well as those that may hereinafter be promulgated and to the additional terms and conditions and instructions stipulated in the attached sheet which forms part of this **PERMIT**.

This **PERMIT** is **NON-TRANSFERRABLE** and **NON-NEGOTIABLE** and EXPIRES on **July 16, 2027**.

Approved by:


LORMELYN E. CLAUDIO, CESO IV
Regional Executive Director

DENR By the Bay Bldg., 1515 Roxas Boulevard, Ermita, Manila
DENR VOIP (02) 8248-3367/8249-3367 loc 2701
Website: <http://mimaropa.denr.gov.ph/>
Email: mimaroparegion@denr.gov.ph



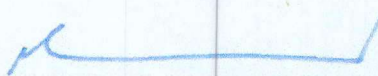
Department of Environment and Natural Resources
MIMAROPA Region



Doc ID: 90320

9. Non-use of the area within six (6) months after it is granted will result in the cancellation of the Permit except in cases of force majeure or fortuitous events.
10. In case the area no longer serves the purpose as warranted under the said Permit, the Permit shall be cancelled and the subsequent management and administration of the affected area shall be assumed by the DENR.
11. Violations or non-compliance of any of the terms and conditions of the Permit or any environment and natural resources management laws, policies, rules and regulations shall be sufficient grounds for the cancellation thereof without prejudice to whatever legal action that may be taken.
12. The GSUP for the construction of roads and bridges shall have a maximum non-renewable term of five (5) years and similarly, the GSUP for the construction and operation of schools, hospitals, health centers, flood control facilities, water reservoir or impounding dam and its related facilities, air strip, landing site, harbor, public market, public plazas and evacuations site shall have a maximum non-renewable term of five (5) years. The GSUP and its additional terms and conditions shall be approved by the RED.
13. Except the agencies permitted to construct roads and bridges, the other agencies permitted to construct and operate infrastructure projects or facilities for public service and use shall apply for the issuance of Presidential Proclamation starting on the second year from the issuance of the GSUP to ensure effective management and sustainability of the infrastructure and facilities and its long-term use of the area where the infrastructure exists.
14. Failure to secure a Presidential Proclamation within the allowable period starting from the second (2nd) year to the fifth (5th) year of the GSUP, the Permittee shall apply for Forest Land Use Agreement (FLAg) pursuant to DENR Administrative Order No. 2004-59 dated 31 August 2004 and other related policies on special uses of forest lands.

Approved by:

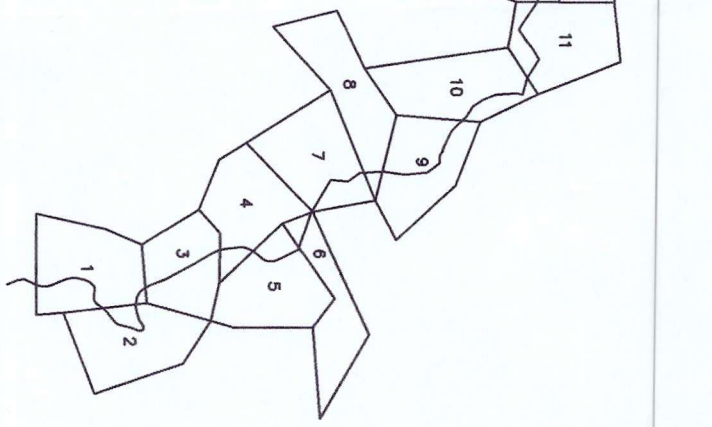
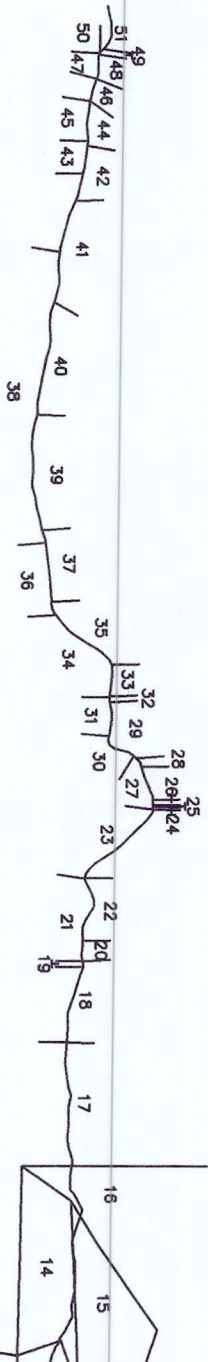

LORMELYN E. CLAUDIO, CESO IV
Regional Executive Director



Department of Environment
and Natural Resources
MIMAROPA Region



Doc ID: 90320



PARCELLARY MAP

TABULATIONS				TABULATIONS			
ITEM NO	OCCUPANT	MOTHER LOT NUMBER	SURVEY NO.	AFFECTED AREA (Sq.m.)	ITEM NO	OCCUPANT	MOTHER LOT NUMBER
1	REYES, MARIBETH	12502	CAD-445-0-C-12	2,070.0	26	REYES, MARIBETH	12501
2	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	27	REYES, MARIBETH	12501
3	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	28	REYES, MARIBETH	12501
4	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	29	REYES, MARIBETH	12501
5	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	30	REYES, MARIBETH	12501
6	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	31	REYES, MARIBETH	12501
7	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	32	REYES, MARIBETH	12501
8	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	33	REYES, MARIBETH	12501
9	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	34	REYES, MARIBETH	12501
10	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	35	REYES, MARIBETH	12501
11	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	36	REYES, MARIBETH	12501
12	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	37	REYES, MARIBETH	12501
13	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	38	REYES, MARIBETH	12501
14	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	39	REYES, MARIBETH	12501
15	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	40	REYES, MARIBETH	12501
16	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	41	REYES, MARIBETH	12501
17	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	42	REYES, MARIBETH	12501
18	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	43	REYES, MARIBETH	12501
19	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	44	REYES, MARIBETH	12501
20	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	45	REYES, MARIBETH	12501
21	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	46	REYES, MARIBETH	12501
22	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	47	REYES, MARIBETH	12501

TABULATIONS				TABULATIONS			
ITEM NO	OCCUPANT	MOTHER LOT NUMBER	SURVEY NO.	AFFECTED AREA (Sq.m.)	ITEM NO	OCCUPANT	MOTHER LOT NUMBER
23	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	48	REYES, MARIBETH	12501
24	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	49	REYES, MARIBETH	12501
25	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0	50	REYES, MARIBETH	12501
26	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
27	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
28	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
29	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
30	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
31	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
32	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
33	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
34	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
35	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
36	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
37	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
38	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
39	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
40	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
41	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
42	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
43	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
44	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
45	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
46	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
47	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
48	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
49	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			
50	REYES, MARIBETH	12504	CAD-445-0-C-12	1,785.0			

MUNICIPALITY OF BONGABONG BONGABONG, ORIENTAL MINDORO		PREPARED BY: ENGR. RODOLFO P. DAYANGIRANG II GEODETIC ENGINEER DAYANGIRANG SURVEYING AND ENGINEERING OFFICE		RECOMMENDING APPROVAL:		PROJECT TITLE: PARCELLARY SURVEY PROPOSED CONSTRUCTION OF SITO CENTRO TO SITO BALITE - HAGAN ROAD		APPROVED BY: HON. ELEGIO A. MALALUAN, OD MUNICIPAL MAYOR		SHEET CONTENTS: AS SHOWN		SHT NO. 1	
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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
PHILIPPINE RURAL DEVELOPMENT PROJECT
PROVINCE OF ORIENTAL MINDORO
MUNICIPALITY OF BONGABONG



CONCRETING OF CENTRO - PANLUAN - BALETE, HAGAN FMR WITH BRIDGE

PRDP-IB-R04B-ORM-007-BON-007-2019

TOTAL NET LENGTH OF ROAD = 9.98KILOMETERS
TYPE OF ROAD = CONCRETE ROAD
WIDTH OF CONCRETE ROADWAY = 5.00 METERS
WIDTH OF ROAD SHOULDER = 1.50 METERS
TOTAL WIDTH OF ROAD = 10.00 METERS
PCCP THICKNESS = 200.00 MILLIMETERS
REINFORCE CONCRETE PIPE CULVERT = 280.00 METERS
REINFORCE CONCRETE BOX CULVERT = 3 UNITS
REINFORCE CONCRETE DECK GIRDER = 30.00 METERS

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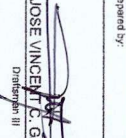


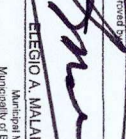
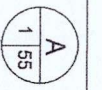
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Sia. 5+660 - 6+040	32
Sia. 6+060 - 6+420	33
Sia. 6+440 - 6+800	34
Sia. 6+820 - 7+200	35
Sia. 7+220 - 7+600	36
Sia. 7+620 - 8+000	37
Sia. 8+020 - 8+380	38
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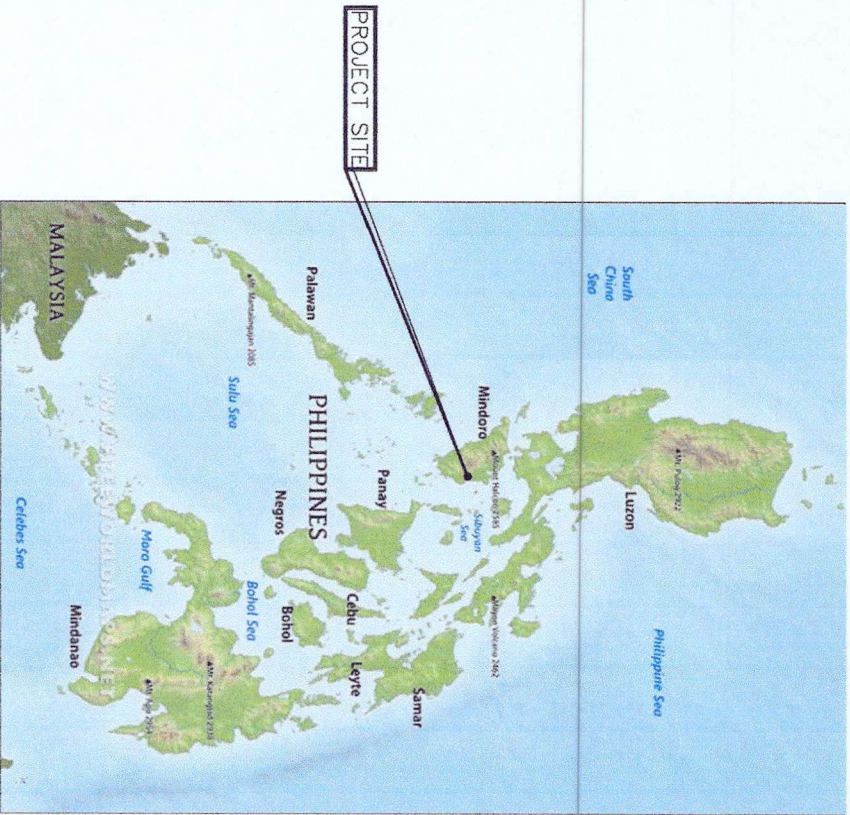
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SUMMARY OF QUANTITIES

ITEM NO.	SCOPE OF WORK	UNIT	QUANTITY
A.	TEMPORARY FACILITY FOR ENGINEERS		
A.1.1(2)	Construction of Combined Field Office and Laboratory Building for the Engineers	mos.	13.00
B.	OTHER GENERAL REQUIREMENTS		
B.3	Project Billboard/Signboard	ea.	2.00
B.7(1)	Occupational Safety and Health Program	mos.	13.00
B.9	Mobilization / Demobilization	Lumpsum	1.00
C.	EARTHWORKS		
101(3)b1	Removal Actual Structure/Destruction(PCP Unreinforced, 200mm thick)	Sq.m	6,129.80
102(2)	Surplus Common Excavation	cu.m	2,538.83
103(6)a	Pipe Culvert and Drain Excavation	cu.m	5,805.50
104(1)a	Embankment from Roadway Excavation	cu.m	44,007.15
105(1)a	Subgrade Preparation, Common Materials	Sq.m	62,964.50
D.	SUB SURFACE COURSE		
200(1)	Aggregates Subbase Course	cu.m	22,255.40
E.	SURFACE COURSE		
311(1)b1	Portland Cement Concrete Pavement (Unreinforced, 200mm thick)	cu.m	49,786.50
F.	OTHER CONCRETE STRUCTURE		
404(1)a	Reinforcing Steel Grade 40	kgs.	76,751.60
405(1)a3	Structural Concrete, Class A	cu.m	1,329.15
G.	DRAINAGE & SLOPE PROTECTION		
500(1)a3	Pipe Culvert, 810mm dia.	Lm	199.00
500(1)a5	Pipe Culvert, 1220mm dia.	Lm	104.00
506(1)	Stone Masonry	cu.m	13,815.90
H.	CONSTRUCTION OF PRESTRESSED DECK GIRDER BRIDGE		
400(4)a2	Precast Concrete Piles, Finished, 450mm x 450mm	m	360.00
400(14)b	Precast Concrete Piles, Driven	m	350.40
400(15)b	Test Piles, Finished and Driven, 450mm x 450mm	m	60.00
400(20)	Pile Shoes	ea.	14.00
400(25)	Splicing of RC Piles w/ Epoxy	ea.	28.00
40(12)a	Concrete Railing, Standard	m	38.40
404(1)a	Reinforcing Steel Grade 40	kgs.	14,453.10
404(1)b	Reinforcing Steel Grade 60	kgs.	10,688.70
405(1)a3	Structural Concrete, 20.68 Mpa, Class A, 28 days	cu.m	45.60
405(1)a3	Structural Concrete, 27.58Mpa, Class A, 28 days	cu.m	95.30
406(1)d2	Prestressed Structural Concrete Members, 20.00m, Type IV, L-Girders	ea.	4.00
I.	MISCELLANEOUS		
603(3)a1	Metal Guardrails (Metal Beam) including Post	Lm	2,516.00
605(1)	Warning Signs	ea.	38.00
612(1)	ReflectORIZED Thermoplastic Pavement Markings, White	Sq.m	773.49

SPECIFICATION : DPWH STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGES VOL. II, REVISED 2012

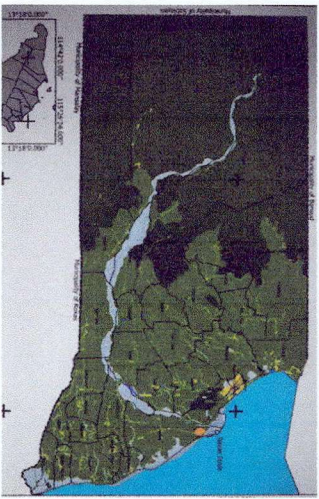
	Republic of the Philippines Department of Agriculture Bureau of Agricultural Extension Provincial Office of Oriental Mindoro Municipality of Bongabong
	SP ID Number: PBDP-IR-RD4B-ORM-007-BON-007-2019 Project Title: Conceding of Centro - Parulan - Balite, Hagan Farm to Market Road Location: Hagan, Bongabong Oriental Mindoro
Prepared by:  JOSE VINCENT T. C. GALIZA, C.E. Diplomat III	Checked by:  OLIVIA B. CORONEL, S.E. E.N.P. Assistant Municipal Engineer / OIC MEO Municipality of Bongabong
Recommended by:  GREGORIO REYES, E.N.P. Municipal Planning and Development Officer Municipality of Bongabong	Approved by:  ETEQUIO A. MALALUAN, O.D. Municipal Mayor Municipality of Bongabong
Sheet Content: • TABLE OF CONTENTS • SUMMARY OF QUANTITIES	Sheet No.: 



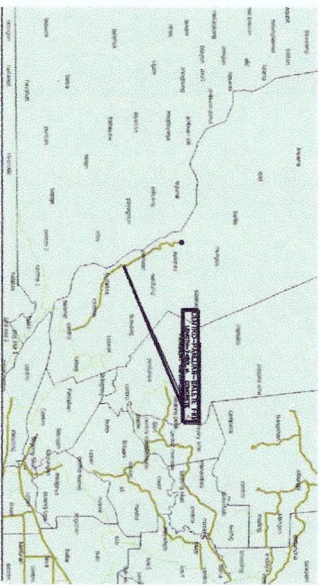
MAP OF THE PHILIPPINES



LOCATION MAP



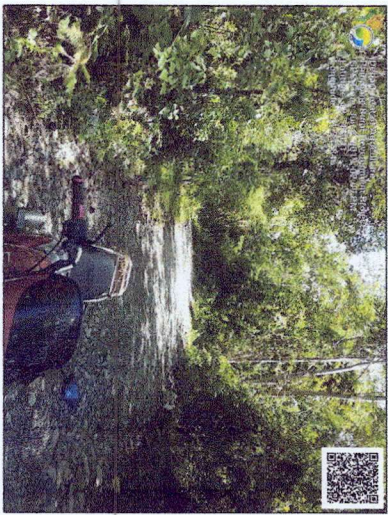
SITE DEVELOPMENT PLAN



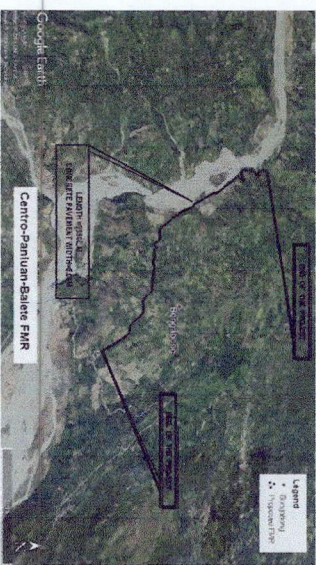
VICINITY MAP



STA.00+000
(BEG. OF THE PROJECT)



STA.09+980
(END OF THE PROJECT)



GEO - TAGGED LOCATION MAP

		SP ID Number: PDDP-IR-R04B-ORKM-007-BON-007-2019		Prepared by: JOSE VINCENT G. GARCIA, CH	Checked by: OLIVER C. CORONEL, C.E. ENP	Recommending Approval: GREGORIO S. REYES, ENP	Approved by: ELEGIO A. MALALUAN, O.D.	Sheet Content: • LOCATION MAP • SITE DEVELOPMENT PLAN • VICINITY MAP	Sheet No. A 2 55		
Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong		Project Title: Concealing of Centro - Pantuan - Balite, Hagan Farm to Market Road Hagan, Bongabong Oriental Mindoro		Jose Vincent G. Garcia, CH Drafting III		Oliver C. Coronel, C.E. ENP Assistant Municipal Engineer / OIC MDO Bongabong, Oriental Mindoro		Gregorio S. Reyes, ENP Municipal Planning and Development Coordinator Municipality of Bongabong		Elegio A. Malaluan, O.D. Municipal Mayor Municipality of Bongabong	


ELEMENTS OF CURVE

HORIZONTAL CURVE


PI	AZMUTH	Distance	I	E	T	R	D	LC	STA. OF PC	STA. OF PI	STA. OF PT
0	338.5172°	642.76	66.1160°	11.88	40.00	61.38	18.68	70.90	0+602.76	0+600.00	0+613.66
1	272.3856°	243.02	73.5051°	28.71	80.00	106.46	10.76	137.21	0+796.66	0+816.66	0+833.89
2	946.3047°	356.34	89.4330°	28.80	70.00	77.32	14.92	110.15	1+140.23	1+210.23	1+250.38
3	256.3047°	287.47	75.3720°	20.55	60.00	77.32	14.92	102.05	1+401.25	1+471.25	1+529.90
4	382.2832°	202.64	70.5803°	10.20	50.00	77.32	14.92	83.93	1+692.48	1+762.48	1+820.80
5	261.2832°	158.55	58.2821°	10.20	40.00	223.88	4.90	69.89	2+121.85	2+171.85	2+230.71
6	132.84	132.84	58.2821°	21.36	30.00	73.61	12.92	100.68	2+235.67	2+295.67	2+336.35
7	256.1844°	130.27	78.2200°	20.82	50.00	48.64	23.08	78.33	2+356.62	2+406.62	2+434.95
8	314.4047°	99.20	90.2440°	16.63	39.66	39.88	29.40	61.90	2+443.49	2+483.15	2+505.39
9	815.18341°	125.03	90.595641°	16.63	30.00	30.39	37.71	43.75	2+550.76	2+590.76	2+605.75
10	209.4340.88°	133.09	105.3272.28°	19.84	40.00	18.62	56.41	77.57	2+658.84	2+698.84	2+703.59
11	337.2741.82°	234.41	127.441.19°	24.93	50.00	48.34	23.71	80.32	3+026.29	3+076.29	3+106.61
12	345.3146.21°	200.72	86.2052.92°	19.78	50.00	63.29	21.50	80.32	3+076.29	3+126.29	3+193.64
13	331.5248.13°	207.19	05.2051.07°	0.73	30.00	61.21	1.66	89.96	3+136.29	3+243.69	3+313.64
14	367.1848.06°	304.19	11.3033.62°	5.24	50.00	219.20	5.64	98.43	4+003.62	4+053.62	4+104.20
15	367.1848.06°	167.11	27.9823.93°	6.03	50.00	227.20	5.64	98.43	4+063.62	4+113.62	4+164.20
16	340.3029.55°	234.06	27.9823.93°	6.03	50.00	204.27	5.61	98.07	4+163.61	4+213.61	4+263.38
17	329.1750.16°	378.75	11.137.38°	1.96	40.00	407.27	2.81	79.74	4+403.44	4+453.44	4+483.18
18	15.5425.27°	95.40	46.3635.09°	10.31	50.00	116.07	9.87	94.42	4+771.93	4+821.93	4+866.35
19	308.0052.28°	91.96	67.6332.98°	6.10	20.00	29.71	38.57	35.21	4+881.75	4+931.75	4+966.96
20	339.4510.90°	127.44	31.4418.61°	5.58	40.00	140.71	8.14	77.84	4+956.92	5+006.92	5+036.86
21	283.4651.57°	78.03	45.5819.33°	6.10	30.00	70.72	16.20	56.75	5+094.30	5+124.30	5+151.05
22	331.532.46°	352.04	38.0610.89°	6.71	40.00	115.83	9.88	77.03	5+159.08	5+199.08	5+236.11
23	308.5341.12°	181.48	22.5921.34°	4.03	40.00	195.70	5.92	78.92	5+508.15	5+548.15	5+587.07
24	33.4937.18°	230.26	84.5556.08°	15.54	40.00	43.70	26.22	64.78	5+588.55	5+628.55	5+653.33
25	235.2434.80°	220.46	48.232.38°	5.82	50.00	46.36	23.72	78.63	5+633.59	5+673.59	5+698.62
26	325.293.71°	103.00	38.430.42°	8.08	50.00	150.67	7.61	96.55	5+701.59	5+751.59	5+798.54
27	324.0022.31°	68.80	48.5148.70°	6.49	30.00	66.04	17.35	56.32	5+821.54	5+871.54	5+927.86
28	338.212.66°	130.35	64.467.24°	5.81	20.00	31.53	47.33	33.43	5+936.66	5+986.66	6+030.09
29	83.5313.47°	162.26	47.0351.11°	14.88	30.00	22.80	50.26	61.99	6+052.45	6+102.45	6+142.11
30	283.5248.13°	127.50	144.4626.50°	36.59	50.00	15.87	72.21	40.11	6+160.23	6+210.23	6+266.82
31	334.4848.42°	259.81	82.4633.56°	11.33	30.00	34.04	33.66	49.18	6+246.07	6+296.07	6+346.18
32	23.1721.07°	146.35	48.2731.63°	6.24	30.00	66.66	17.19	66.38	6+336.67	6+386.67	6+436.85
33	285.087.20°	263.32	128.0813.82°	31.29	50.00	74.30	24.36	74.36	6+408.40	6+458.40	6+508.76
34	325.293.71°	103.15	106.053.32°	7.86	20.00	46.36	23.72	78.63	6+458.40	6+508.40	6+558.71
35	330.1843.43°	106.54	85.5531.93°	6.76	20.00	21.50	53.30	34.13	6+467.49	6+517.49	6+567.71
36	832.0610.96°	163.60	18.1232.47°	1.58	20.00	26.10	43.90	34.13	6+566.26	6+616.26	6+666.39
37	805.4141.71°	172.85	25.2429.25°	3.47	30.00	124.80	9.18	39.66	6+616.26	6+666.26	6+716.39
38	801.1752.07°	108.97	4.2349.84°	0.36	20.00	127.86	8.96	58.83	6+716.26	6+766.26	6+816.39
39	286.2752.55°	182.81	4.2349.84°	0.42	20.00	520.96	2.42	81.53	6+816.26	6+866.26	6+916.39
40	804.163.73°	138.15	7.4811.18°	0.68	20.00	293.25	3.81	39.84	6+866.26	6+916.26	6+966.39
41	288.2045.18°	124.62	77.73.42°	0.62	20.00	321.52	11.68	39.46	6+945.28	6+995.28	7+045.22
42	271.2303.11°	124.62	16.5744.88°	1.48	20.00	321.52	3.66	39.46	6+995.28	7+045.28	7+095.31
43	263.314.41°	127.40	35.145.80°	2.48	20.00	201.12	3.54	39.71	7+045.28	7+095.28	7+145.31
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45	804.162.54°	53.74	32.532.23°	2.88	20.00	112.56	10.18	39.60	7+355.36	7+405.36	7+455.96
46	280.0855.24°	76.90	54.077.40°	4.81	20.00	67.77	16.91	38.90	7+441.22	7+491.22	7+541.12
47	323.2743.08°	235.60	73.1847.84°	6.63	20.00	39.15	49.27	34.39	7+491.22	7+541.22	7+591.34
48	230.5327.89°	153.22	92.2415.15°	4.27	10.00	26.87	42.65	15.45	7+567.74	7+617.74	7+667.86

VERTICAL CURVE (PROFILE)						
NO	STATION	ELEVATION	GRADE LINE (%)	MVC		MO
				A	B	
-	0+000	20.000				
PVI-1	0+030	20.000	2.83330	30	30	0.213
PVI-2	0+090	21.700	-6.55000	30	30	-0.700
PVI-3	0+190	15.150	0.51790	30	40	0.606
PVI-4	0+470	16.600	-2.38890	40	45	-0.308
PVI-5	0+660	14.450	1.03570	45	40	0.363
PVI-6	0+700	15.900	2.75000	40	40	0.171
PVI-7	0+800	21.400	10.85710	40	30	0.685
PVI-8	0+870	28.000	-4.18180	30	30	-1.128
PVI-9	1+080	24.400	-0.95000	50	50	0.404
PVI-10	1+280	22.500	-1.95000	40	40	-0.100
PVI-11	1+480	18.600	8.26670	30	30	0.766
PVI-12	1+630	31.000	-6.25000	30	30	-1.089
PVI-13	1+750	23.500	2.75000	40	40	0.900
PVI-14	1+910	27.900	-3.45450	40	40	-0.620
PVI-15	2+020	24.100	9.87500	40	40	1.333
PVI-16	2+100	32.000	-6.30000	40	50	-1.797
PVI-17	2+200	25.700	1.80000	50	50	1.013
PVI-18	2+300	27.500	-2.60000	50	50	-0.550
PVI-19	2+400	24.900	6.40909	50	40	1.001
PVI-20	2+620	39.000	11.67860	30	30	0.395
PVI-21	2+760	55.350	10.45830	30	30	-0.092
PVI-22	2+880	67.900	-4.90000	40	50	-1.706
PVI-23	2+980	63.000	-0.62500	50	40	0.475

VERTICAL CURVE (PROFILE)						
NO	STATION	ELEVATION	GRADE LINE (%)	MVC		MO
				A	B	
PVI-24	3+060	62.500	-7.50000	40	40	-0.687
PVI-25	3+140	56.500	0.00000	40	40	0.750
PVI-26	3+380	56.500	3.96770	40	30	0.340
PVI-27	3+690	68.800	-4.66670	30	30	-0.648
PVI-28	3+900	59.000	1.05880	40	40	0.573
PVI-29	5+440	75.300	2.57100	40	40	0.150
PVI-30	5+650	80.700	8.68290	50	50	0.764
PVI-31	6+060	116.300	-1.62220	40	40	-1.031
PVI-32	6+510	109.000	1.41680	40	40	0.304
PVI-33	6+630	110.700	8.68290	50	50	0.908
PVI-34	7+040	146.300	-1.16350	50	50	-1.177
PVI-35	7+280	143.508	-12.41130	50	50	-1.220
PVI-36	7+350	134.800	-1.00570	40	80	-1.767
PVI-37	8+550	146.766	7.72380	40	30	0.708
PVI-38	8+660	156.029	-1.85290	40	50	-1.117
PVI-39	8+756	154.242	14.48290	40	23	1.361
PVI-40	8+878	171.909	1.45510	20	40	1.010
PVI-41	8+962	173.121	-15.95410	40	20	-1.310
PVI-42	9+100	152.111	1.48070	20	40	1.312
PVI-43	9+440	157.148	3.78920	30	30	0.173
PVI-44	9+700	167.000	0.00000	30	20	0.227
PVI-45	9+800	167.000	-2.72730	20	30	-0.164
PVI-46	9+910	164.000	0.00000	30	30	-0.221



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



Department of Transportation
Bureau of Road and Transport Builders
Municipality of Bongabong

SP ID Number:
Project Title:
Location:

PDR-IR-R04B-ORW-007-BON-007-2019
Cantrelling of Centro - Parulan - Balila, Hagan
Hagan, Bongabong Oriental Mindoro

Prepared by:
Checked by:

JOSE VINCENT C. BALILA, C.E.
OLIVER C. GORDON, C.E. E.N.P.

Recommended by:

GREGORIO S. KAYES, E.N.P.

Approved by:

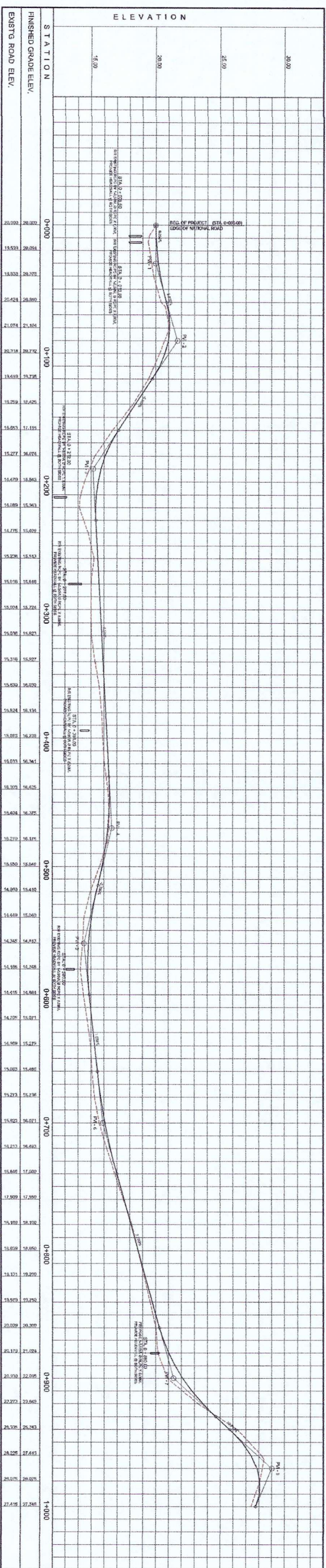
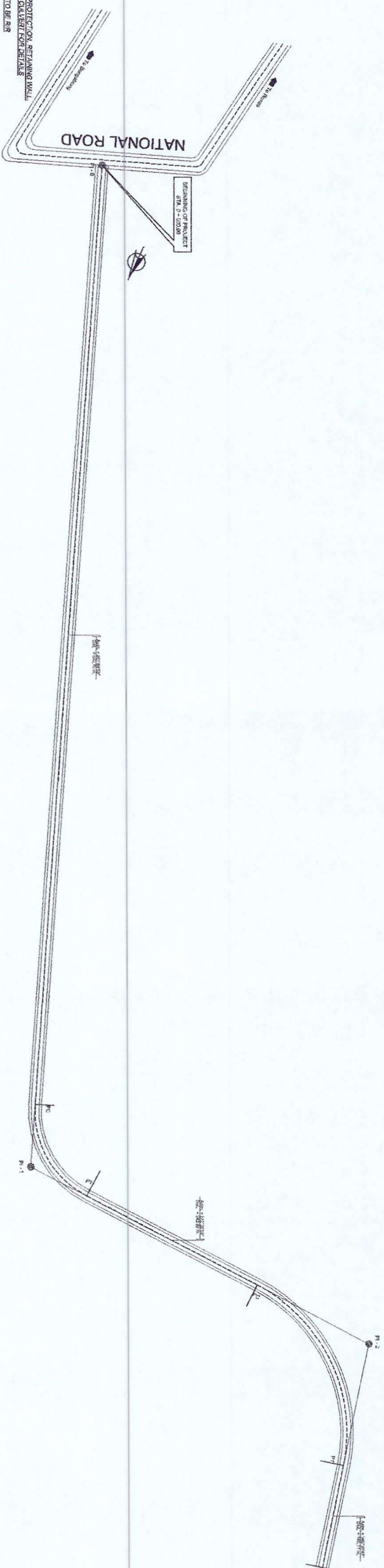
REGINO AMANTIGAN, O.D.

Sheet Content

• ELEMENTS OF CURVE

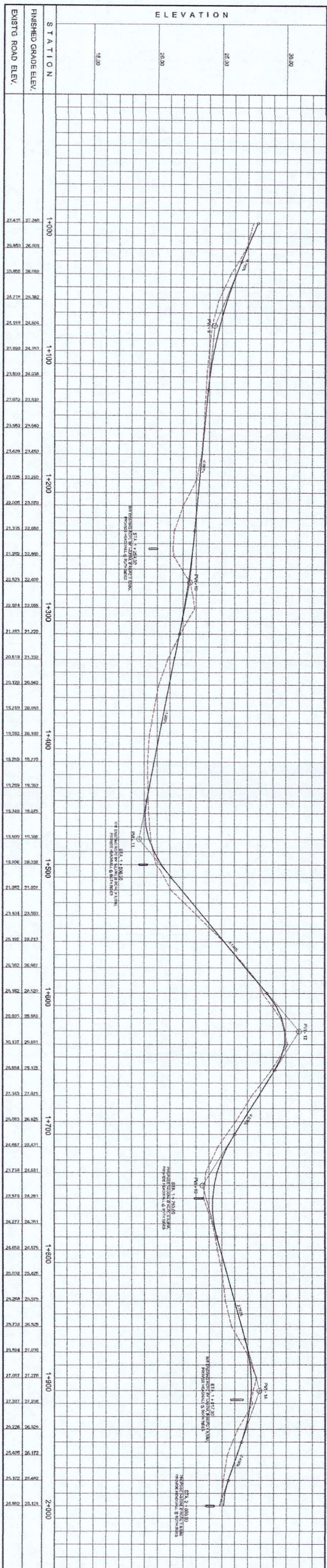
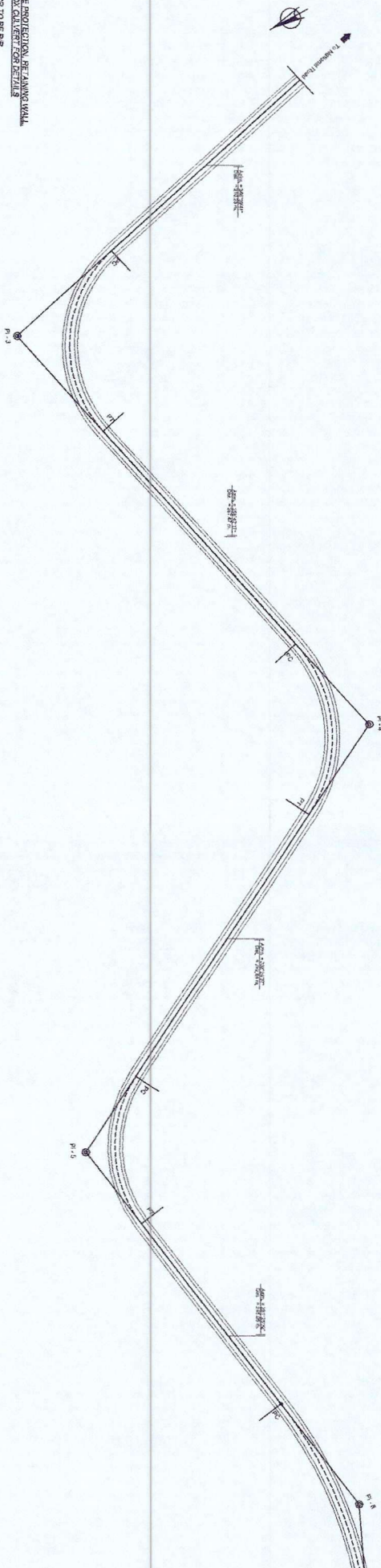
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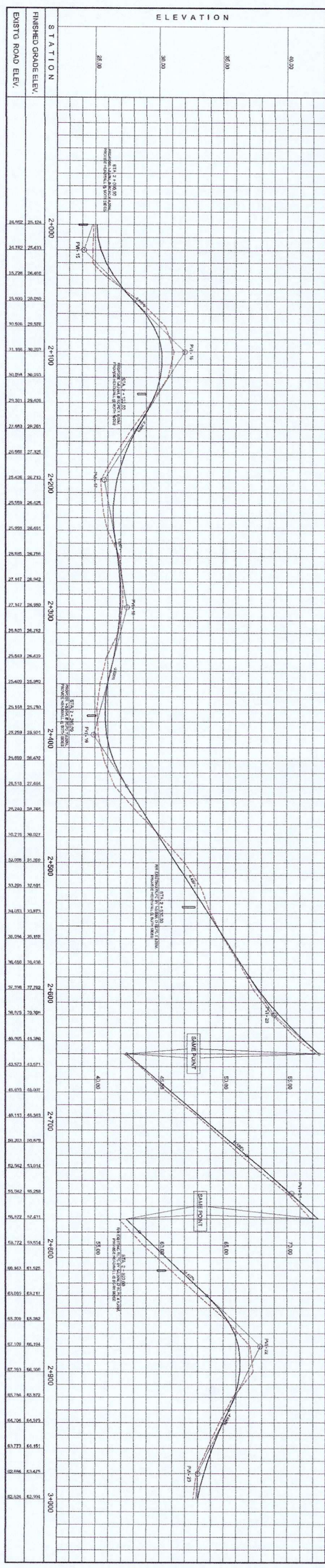
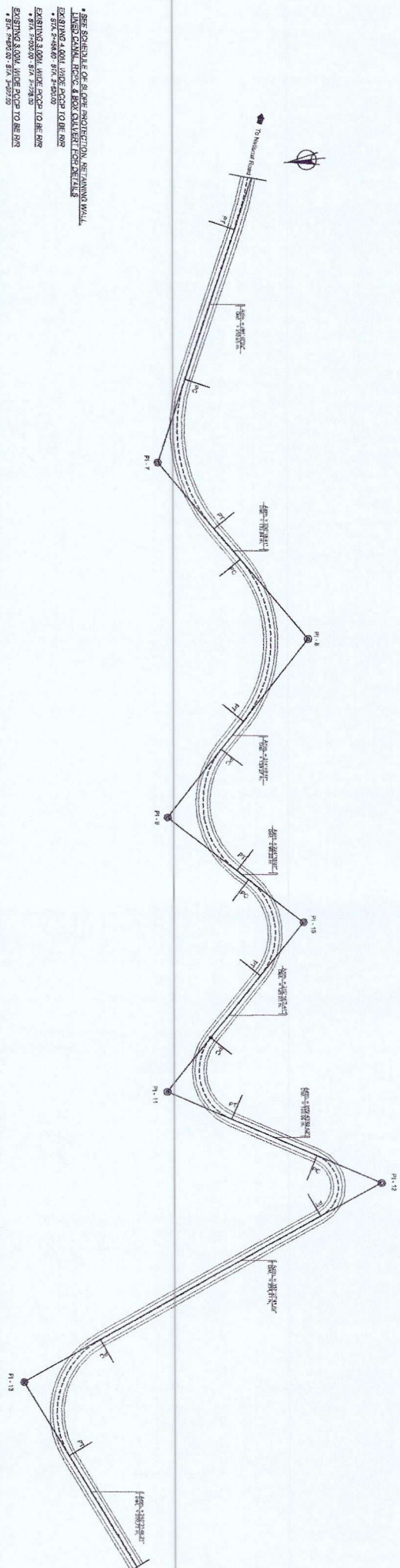
Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong		SP ID Number: Project Title: Location:	
PDDP-IR-R04B-OKM-007-BON-007-2019 Concreting of Carrito - Pantulan - Balita, Hagan Hagan, Bongabong Oriental Mindoro		Prepared by: Checked by: Recommended by: Approved by:	
JOSE VINCENT C. CALICA, C.E. Assistant Municipal Engineer / OIC Municipality of Bongabong		GREGORIO REYES, ENP Municipal Planning and Development Coordinator Municipality of Bongabong	
ELEGIO A. AMERICAN, O.D. Municipal Engineer Municipality of Bongabong		Road Profile Diagram @ STA 0+000 - STA 1+000	
Sheet No.		Sheet No.	

• SEE SCHEDULE OF WORK PROTECTION RETAINING WALL
• EXISTING ROAD WIDE PRICE TO BE AS
• SCA 1+000.00 - STA 1+700.00
• SCA 1+700.00 - STA 1+800.00

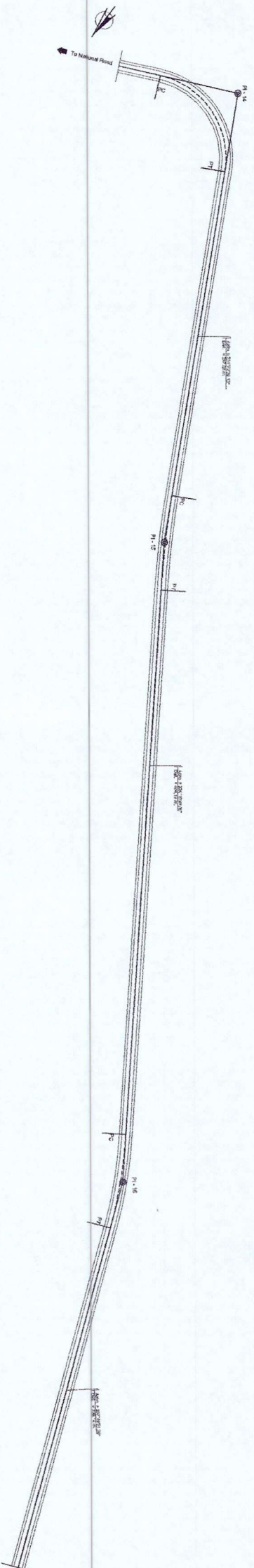


 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	 SP ID Number: PRDP-IR-RD4B-ORM-007-BON-007-2019 Project Title: Concrete of Centro - Panlitan - Balita, Hagan Location: Hagan, Bongabong Oriental Mindoro	Prepared by:  JOSE VINCENT C. VALIGA, JR. Transportation Engineer / OIC MEO Municipality of Bongabong	Checked by:  OLIVER C. CONOVER, JR. Assistant Municipal Engineer / OIC MEO Municipality of Bongabong	Recommending Authority:  GREGORIO S. REYES, JR. Municipal Planning and Development Coordinator Municipality of Bongabong	Approving Authority:  ETEQUIO A. MALULAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: ROAD PROFILE DIAGRAM @ STA. 1+000 - STA. 2+000	Sheet No.: 
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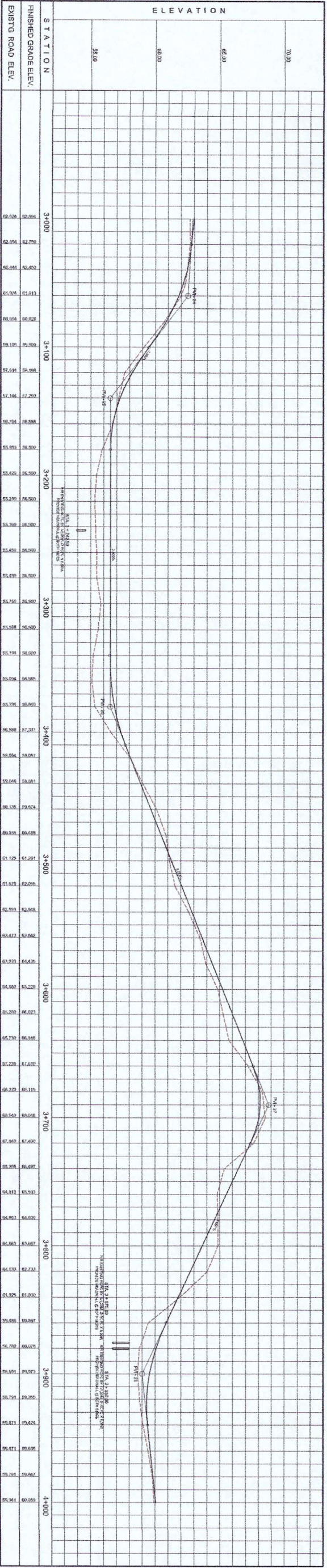
SEE EXISTING PROFILE FOR EXISTING ROADWAY, EXISTING WALL,
EXISTING CANAL, EXISTING BOX CULVERT, EXISTING
EXISTING 4.00% GRADE FROM STA 2+000 TO BE
EXISTING 4.00% GRADE FROM STA 2+000 TO BE
EXISTING 4.00% GRADE FROM STA 2+000 TO BE
EXISTING 4.00% GRADE FROM STA 2+000 TO BE



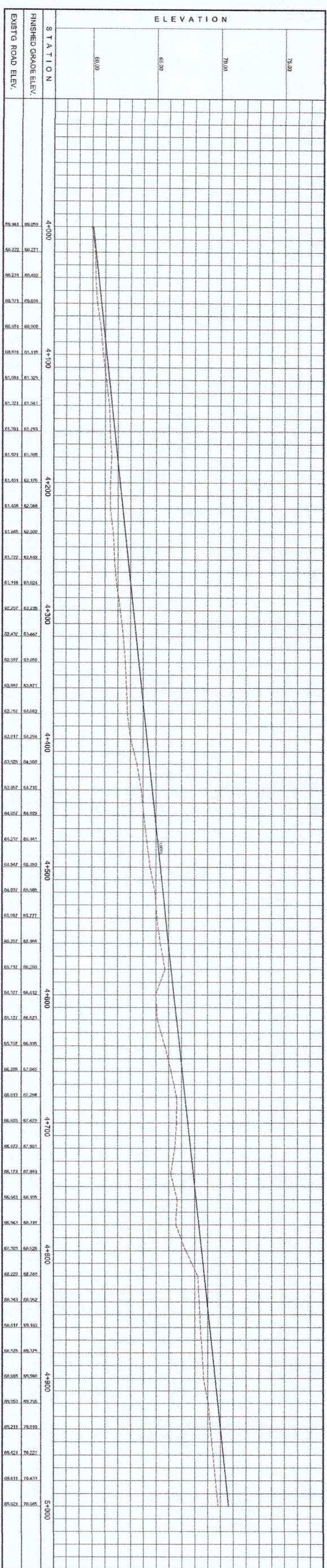
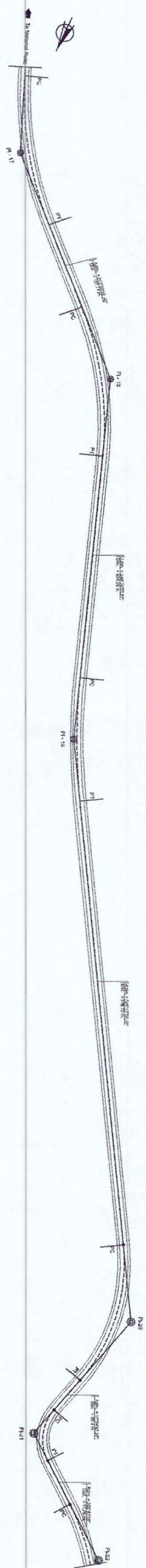
 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	 SP ID Number: PRDP-IR-R04B-ORMA-007-BON-007-2019 Project Title: Concreting of Centro - Panlunan - Balite, Hagan Location: Hagan, Bongabong Oriental Mindoro	Prepared by:  JOSE VINCENT O. GATOLOT, C.E. District Engineer III	Checked by:  OLAYA D. CORONEL, C.E. EMP Assistant Municipal Engineer / OIC MEO Municipality of Bongabong	Recommending Approval:  GREGORIO REYES, EMP Municipal Planning and Development Coordinator Municipality of Bongabong	Approved by:  EUSEBIO A. MALULAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: ROAD PROFILE DIAGRAM @ STA. 2+000 - STA. 3+000	Sheet No. B 9 55
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• SEE SCHEDULE OF SORE PROTECTION, SETAWING WALL,
• EXISTING 3.00M. WIDE ROAD TO BE 6M
• STA 3+000 TO 3+500
• STA 3+500 TO 4+000



 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	 SP ID Number: PRDP-IR-404B-0RM-407-80N-007-2019 Project Title: Conneling of Centro - Panulan - Balila, Hagan Location: Hagan, Bongabong Oriental Mindoro	Prepared by:  JOSE VINCENT C. OCHOA, C.E. Draftsman III	Checked by:  OLIVER C. CORONEL, C.E., EnP. Assistant Municipal Engineer / OIC/Treasurer Municipality of Bongabong	Recommending Approval:  GREGORIO REYES, EnP. Municipal Planning and Development Coordinator Municipality of Bongabong	Approved by:  GREGORIO A. MALULAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: • ROAD PROFILE DIAGRAM @ STA 3+000 - STA 4+000	Sheet No. B 10/55
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Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong




SP ID Number: PRD-P-IR-R04B-ORNY-007-BON-007-2019

Project Title: Concreting of Centro - Parulan - Balita, Hagan Farm to Market Road

Location: Hagan, Bangabong Oriental Mindoro

Prepared by:

JOSE VINCENT C.
Draftsman II

Checked by: 
OLIVIA G. SORONEL, C.E., ENP
Assistant Municipal Engineer / DTC-MED

Recommended Approval:



GREGORIO S. REYES, ENP.

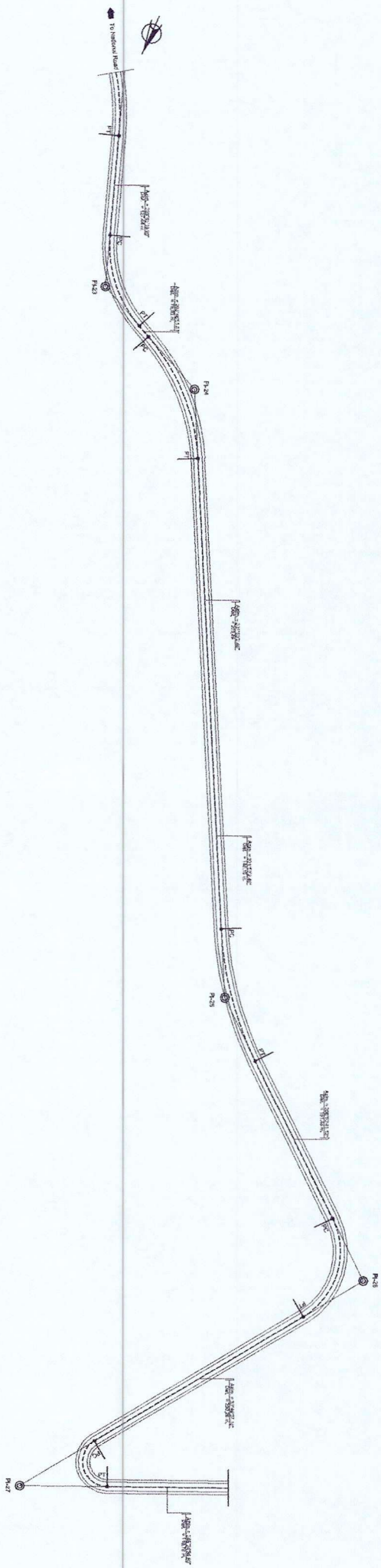
Municipal Planning and Development Coordinator

Approved by: _____

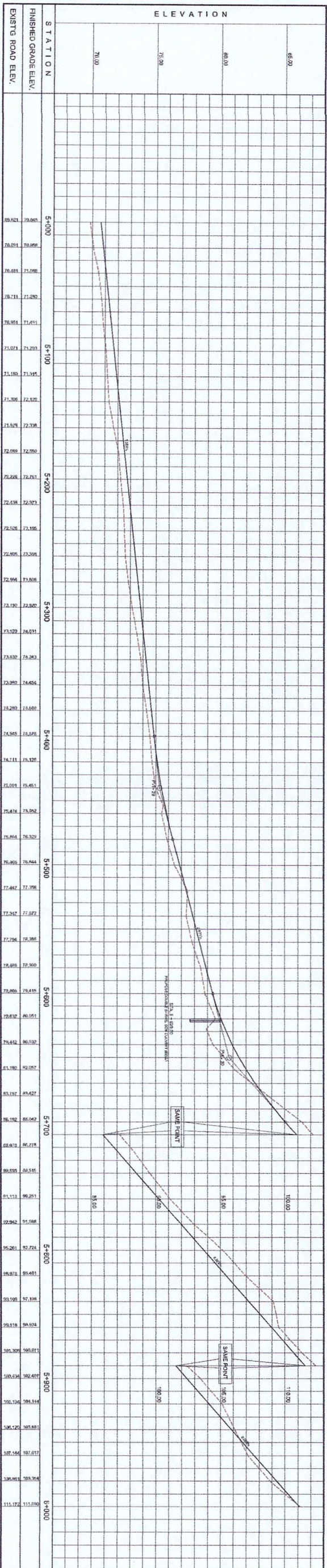
 MUNICIPAL MAYOR
 ELEICIONA MALALUAN, O.D.

ROAD PROFILE DIAGRAM @
STA. 4+000 - STA. 5+000

Sheet No. _____



SEE SCHEDULE OF SOFT PROTECTION RETAINING WALL.
ALSO SEE SCHEDULE OF SOFT PROTECTION RETAINING WALL.



 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	 Municipality of Bongabong	SP ID Number: P8DP-IR-004B-00M-007-80N-007-2019 Project Title: Concreting of Centro - Panluan - Balila, Hagan Location: Hagan, Bongabong Oriental Mindoro	Prepared by: JOSE VINCENT C. BATTILAN, C.E. Draftsman	Checked by: OLIVIA C. CORTONEL, C.E., ENP Assistant Municipal Engineer / OIC MEO Municipality of Bongabong	Recommending Approval: GREGORIO S. REYES, ENP Municipal Planning and Development Coordinator Municipality of Bongabong	Approved by: ELEONOR A. MALUAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: ROAD PROFILE DIAGRAM @ 5+000 to 8+000	Sheet No.: B 12/55
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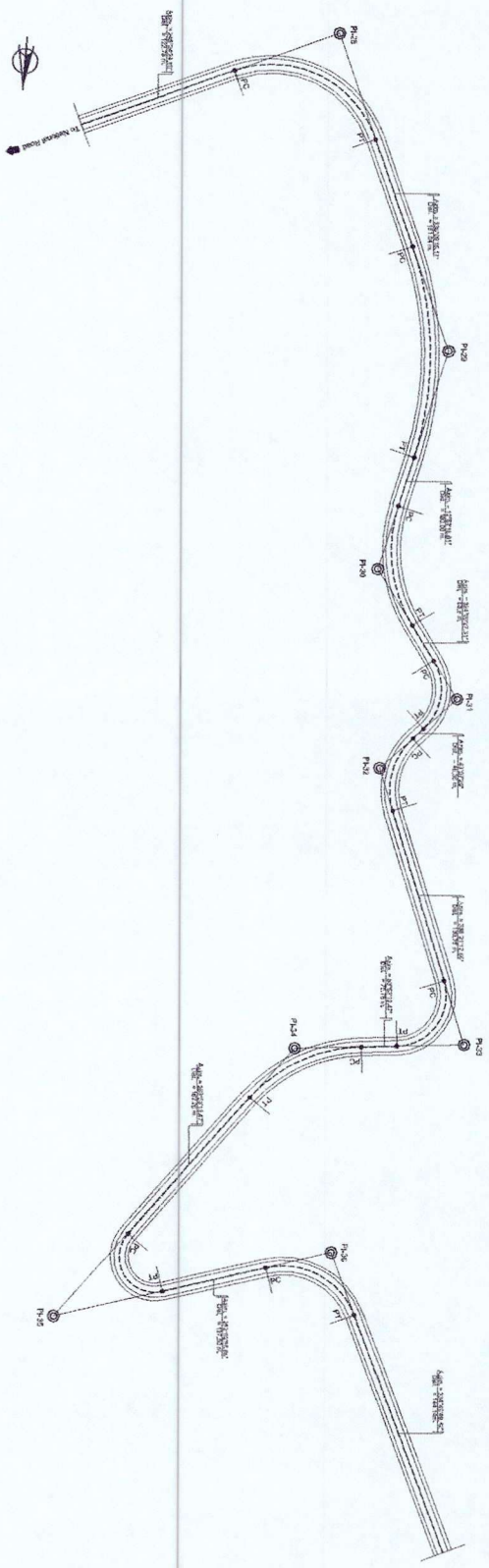
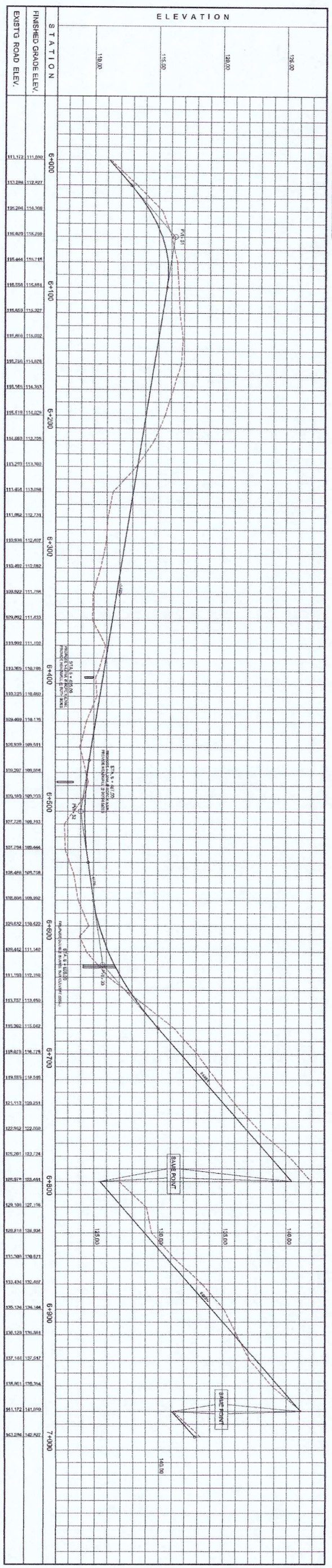


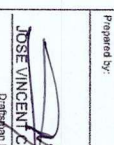
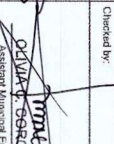


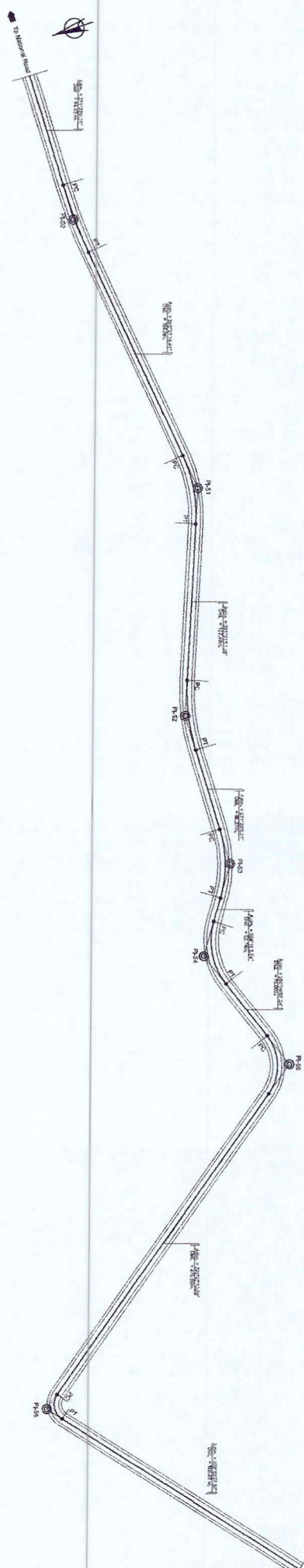


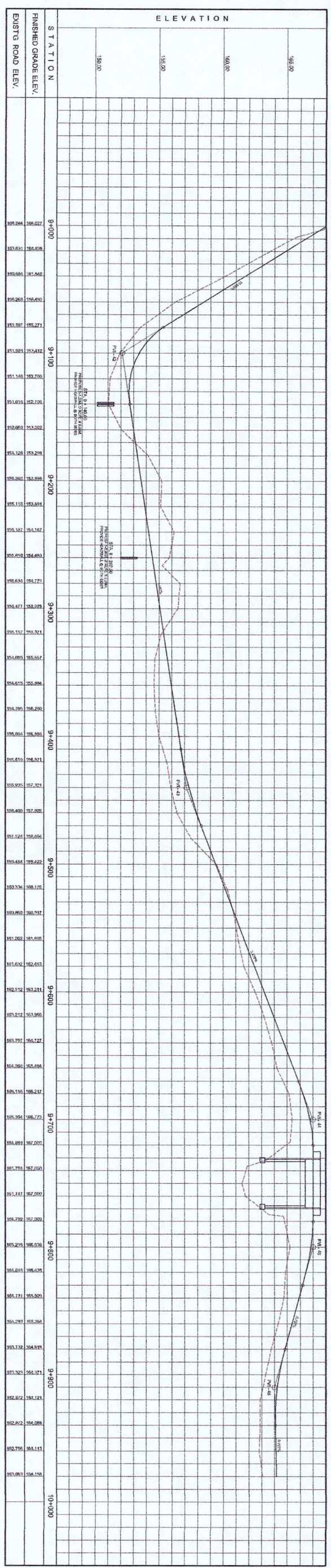
FIGURE 1. PLAN VIEW OF THE PROPOSED ROAD ALIGNMENT





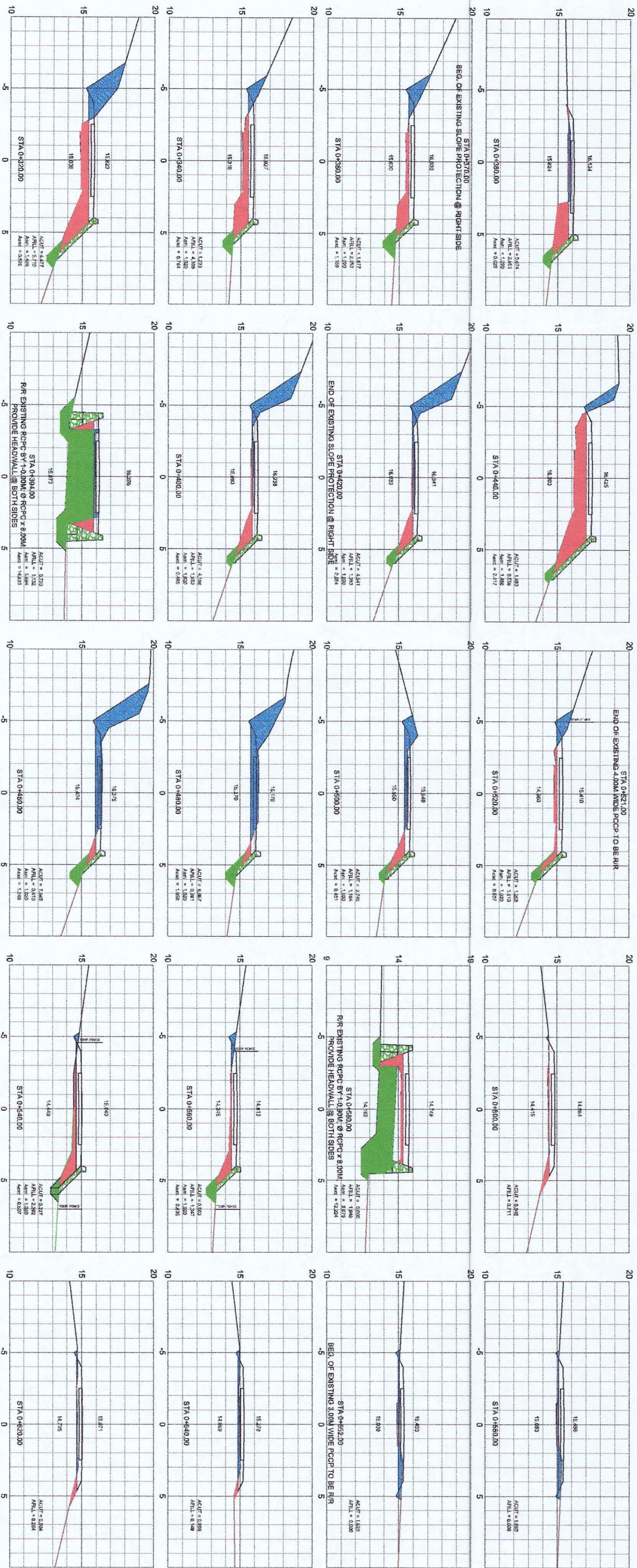
 <p>Republic of the Philippines Department of Agriculture Province of Oriental Mindoro Municipality of Bongabong</p>	 <p>SP ID Number: PRDP-IB-R04B-ORW-007-BON-007-2019 Project Title: Connecting of Centro - Panlun - Balite, Hagan Farm to Market Road Location: Hagan, Bongabong Oriental Mindoro</p>	Prepared by:  JOSE VINCENT C. GALICA, C.E. Draftsman III	Checked by:  ODWIN T. GERONIMO, C.E., Engr. Assistant Municipal Engineer / OIC-MSO Municipality of Bongabong	Recommending Approval:  GREGORIO REYES, ENGR. Municipal Planning and Development Coordinator Municipality of Bongabong	Approved by:  ELICIO A. MALALUAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: ROAD PROFILE DIAGRAM @ STA. 6+000 - STA. 7+000	Sheet No. B 1355
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• SEE SCHEDULE OF ROAD PROTECTION RETAINING WALLS
• SEE SCHEDULE OF ROAD PROTECTION RETAINING WALLS



 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	 SP ID Number: PRDP-IR-4048-ORM-407-80N-407-2015 Project Title: Concreting of Centro - Parulan - Balite, Hagan Location: Hagan, Bongabong Oriental Mindoro	Prepared by:  JOSE VINCENT P. GARCIA, JR. Draftsman III	Checked by:  OLYVIA C. DONNELL, C.E., E.P. Assistant Municipal Engineer/CE-LEO Municipality of Bongabong	Recommending Approval:  GEORIO S. REYES, E.P. Municipal Planning and Development Coordinator Municipality of Bongabong	Approved by:  ELEGIO A. MALALUAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: • ROAD PROFILE DIAGRAM @ STA 9+000 - 10+000	Sheet No. 
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Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



SP ID Number: PABD-IR-1048-ORM-007-80X-007-2015

Project Title: Concrete of Centro - Panluan - Balita, Hagan

Location: Faint to Market Road

Hagan, Bongabong Oriental Mindoro

Prepared by:

JOSE VINCENY C. SAHON, C.E.
Diplomatus III

Checked by:

OLIVIA CORONEL, C.E.-EP
Assistant Municipal Engineer / DIC-MEO
Municipality of Bongabong

Recommending Approval:

GREGORIO S. REYES, ENP
Municipal Planning and Development Coordinator
Municipality of Bongabong

Approved by:

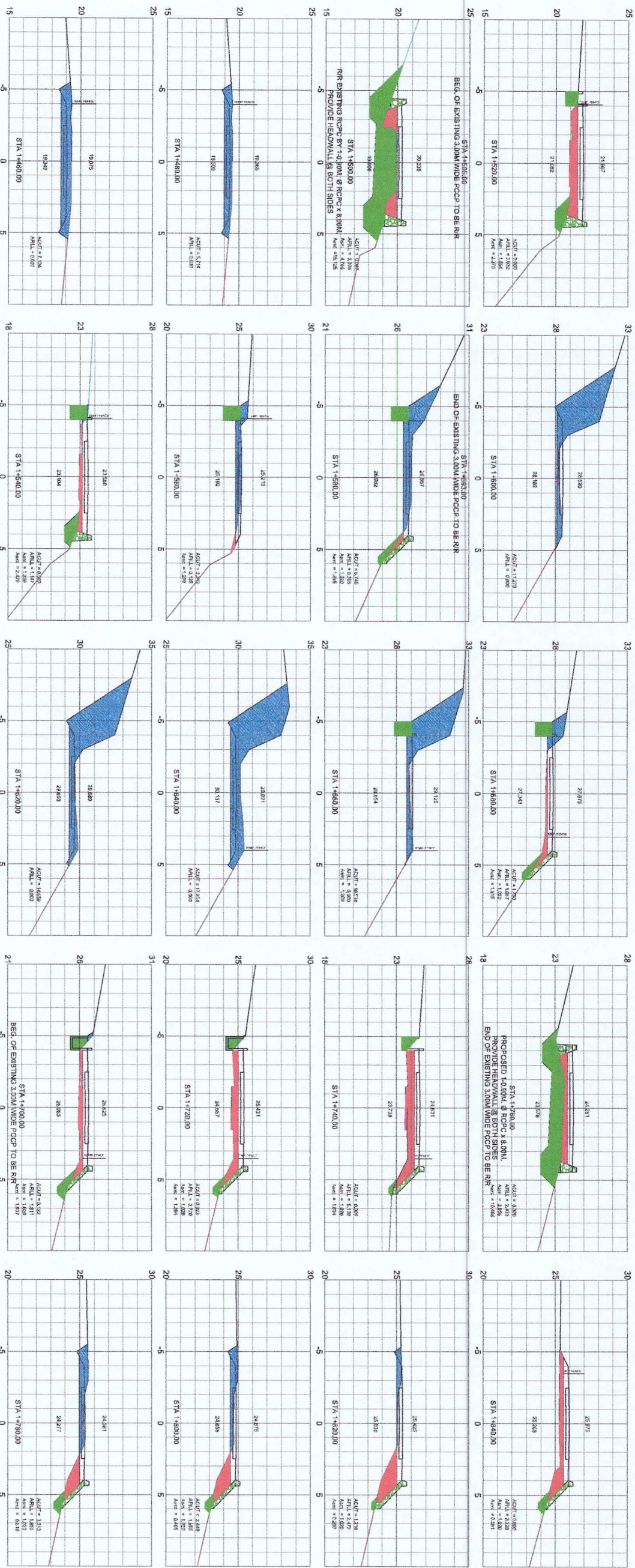
ELIADOR M. MALALUAN, C.D.
Municipal Mayor
Municipality of Bongabong

Sheet Content:

CROSS SECTION @ STA. 0+320 -
STA. 0+680

Sheet No.

C
1855



Republic of the Philippines
Department of Agriculture
Province of Oriental Mindoro
Municipality of Bongbong

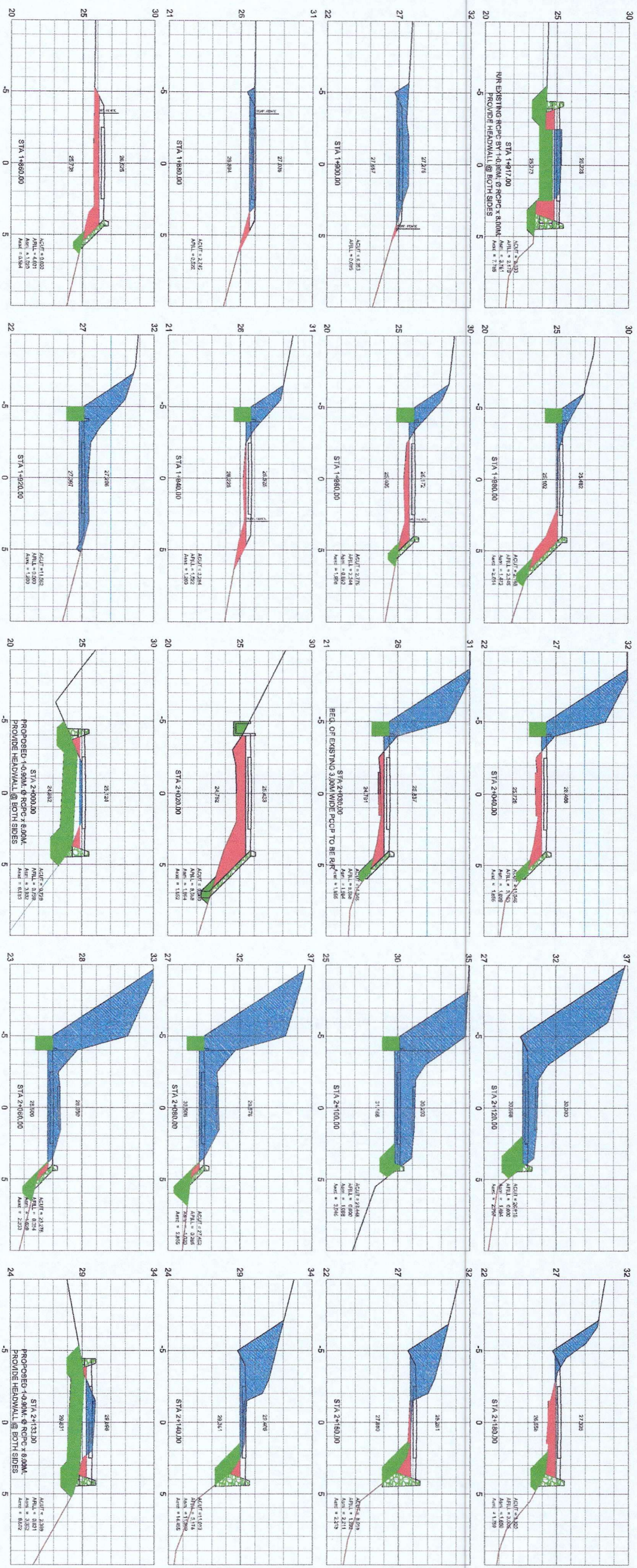


SP ID Number: PBDT-IR-R04B-ORM-007-BON-007-2019
Project Title: Concreting of Centro - Panlun - Balile, Hegan
Farm to Market Road
Location: Hegan, Bongbong Oriental Mindoro

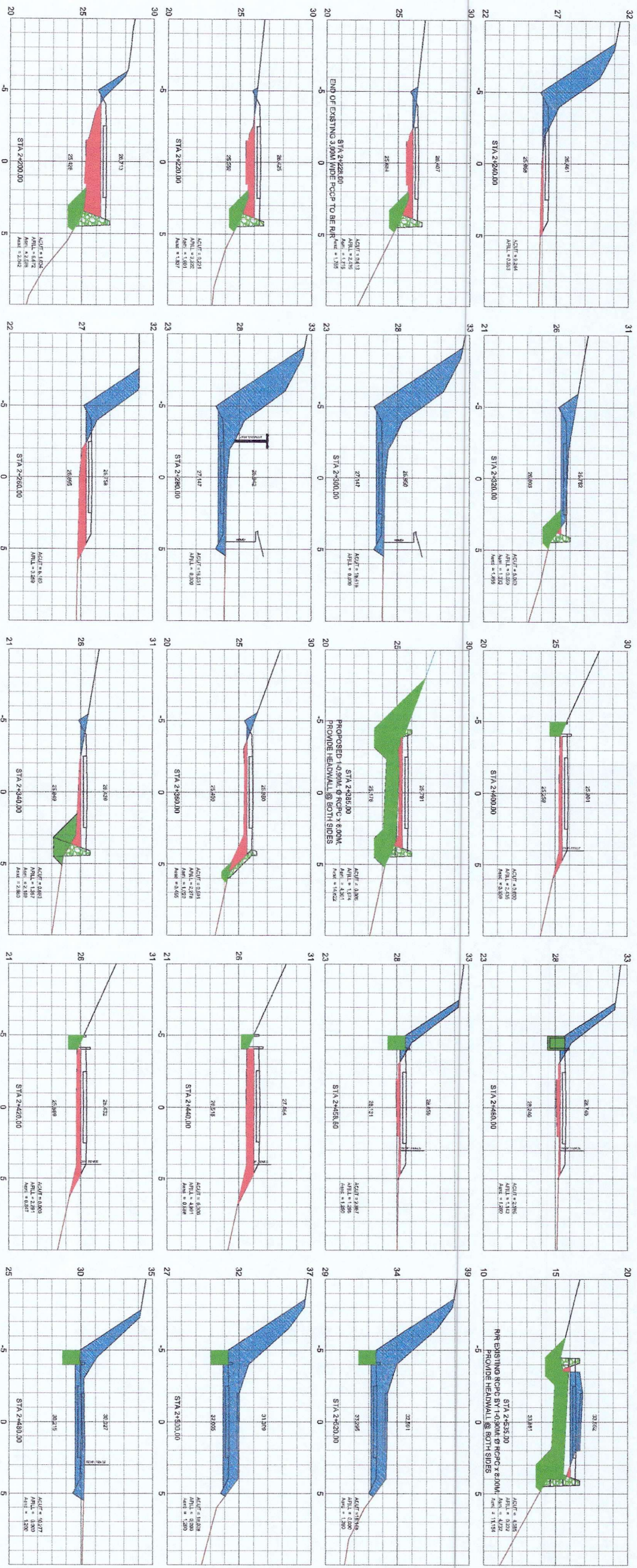
Prepared by: JOSE VINCENT C. BALIGA, C.E.
Checked by: OLIVER Q. CORONEL, C.E.-EAP
Recommended by: GREGORIO S. RIVERA, EAP
Approved by: ELEGIO A. MALALUAN, O.D.

Draftsman III
Assistant Municipal Engineer / OIC MHO
Municipality of Bongbong
Municipal Planning and Development Coordinator
Municipal Mayor
Municipality of Bongbong

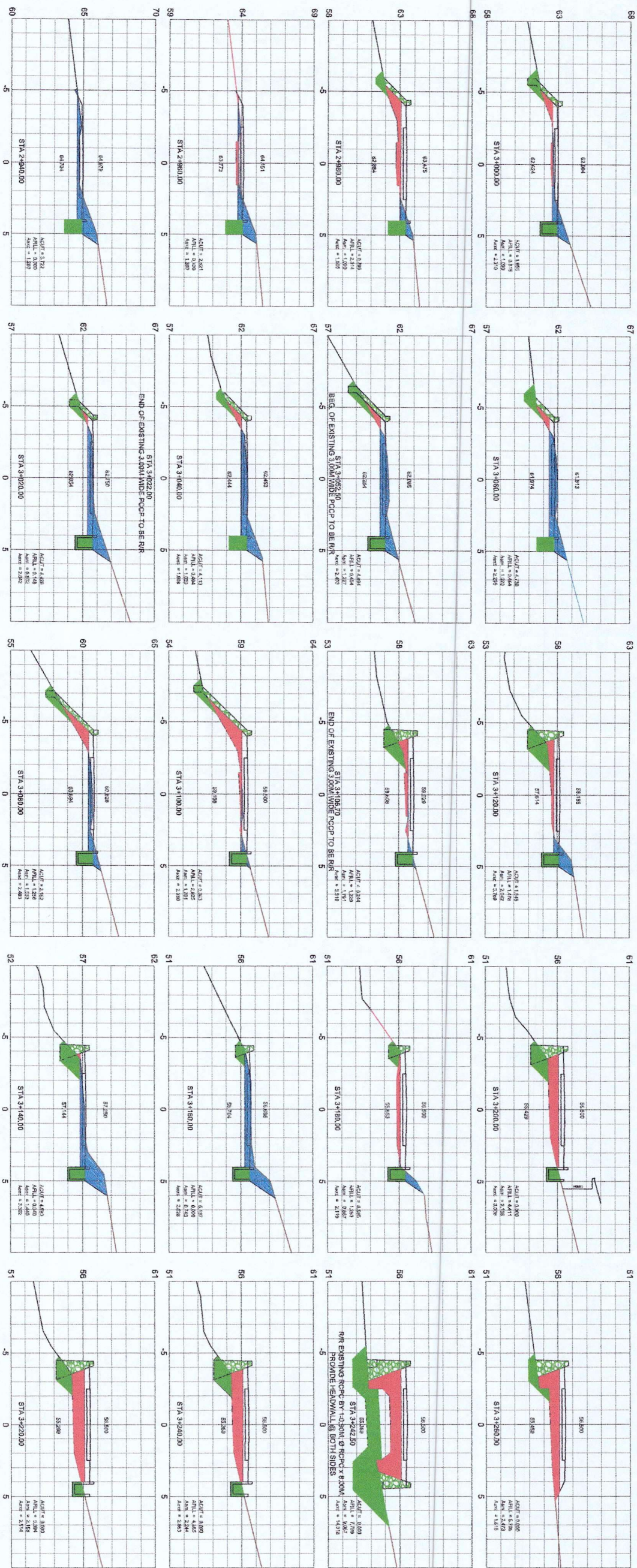
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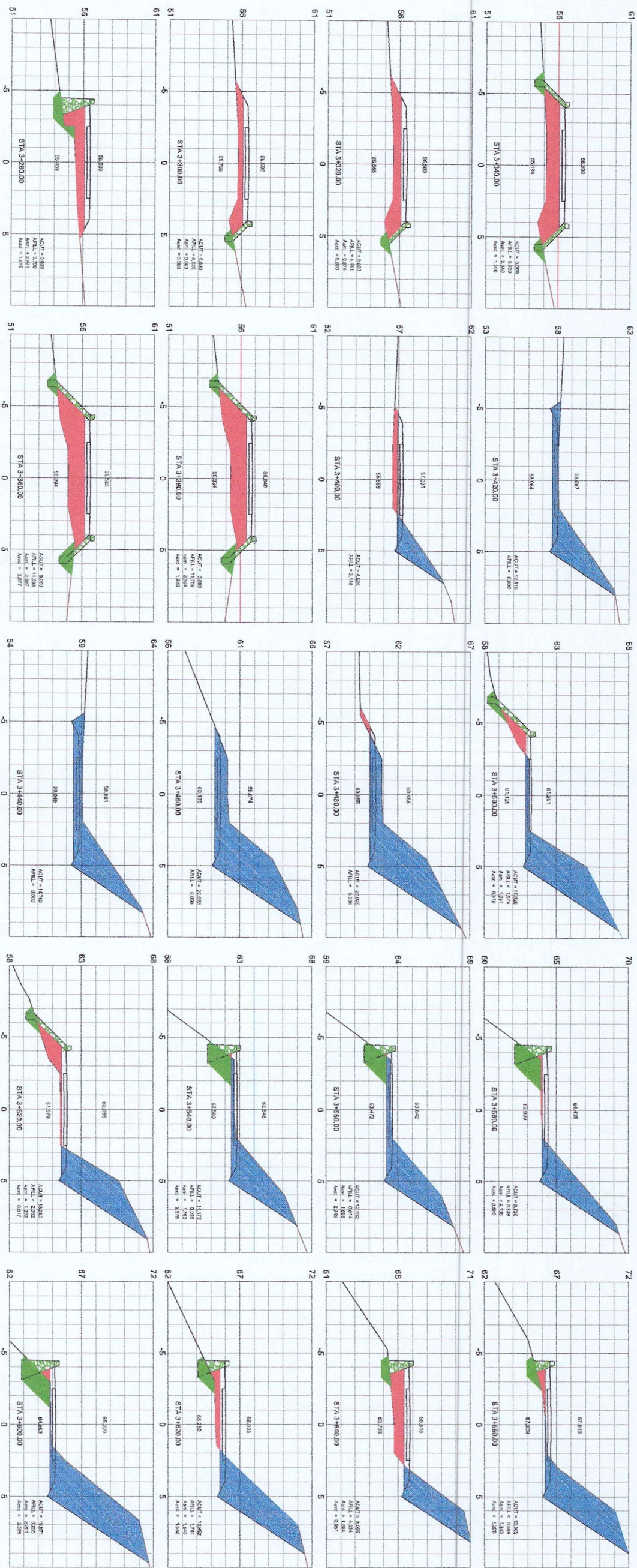
 <p>Republic of the Philippines Department of Agriculture Province of Oriental Mindoro Municipality of Bangbang</p>		 <p>SP ID Number: PHDP-1B-R04B-0RM-007-BON-007-2019 Project Title: Concreting of Centro - Panulan - Balite, Hagan Farm to Market Road Location: Hagan, Bangbang Oriental Mindoro</p>		<p>Proposed By:</p> <p> JOSE VINCENT C. GALITA, C.E. District Engineer III</p>	<p>Checked By:</p> <p> OLIVIA D. BORJA, C.E., Engr. Assistant Municipal Engineer, DOW-MDO Municipality of Bangbang</p>	<p>Recommending Approval:</p> <p> GREGORIO S. REYES, Engr. Municipal Planning and Development Coordinator Municipality of Bangbang</p>	<p>Approved By:</p> <p> GREGORIO A. MALALUAN, O.D. Municipal Mayor Municipality of Bangbang</p>	<p>CROSS SECTION @ STA. 1+490.00 - STA. 2+130.00</p>	<p>Sheet No.</p> <p></p>
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 <p>Republic of the Philippines Department of Agriculture Province of Oriental Mindoro Municipality of Bongabong</p>		 <p>Municipality of Bongabong</p>	
<p>SP ID Number: PRDP-IR-R04B-ORM-007-BON-007-2019</p> <p>Project Title: Concreting of Centro - Pantulan - Belle, Hagan</p> <p>Location: Hagan, Bongabong Oriental Mindoro</p>		<p>Prepared by: JOSE VINCENT O. GALICIA, C.E.</p> <p>Checked by: OLIVER F. CORONEL, C.E., Engr.</p> <p>Recommended Approval: GREGORIO S. REYES, Engr.</p> <p>Approved by: ELEGIO A. MALALUAN, O.D.</p>	
<p>Sheet Content: CROSS SECTION @ STA. 2+200 - STA. 2+535</p>		<p>Sheet No. C 2355</p>	



 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong		 Municipality of Bongabong	
SP ID Number: PDDP-IR-004B-004-007-80N-007-2015 Project Title: Concreting of Centro - Panluan - Balita, Hagan Farm to Market Road Location: Hagan, Bongabong Oriental Mindoro		Prepared by: JOSE VINCENT O. GALISA, C.E. Checked by: OLIVERA, C.E. ENP Recommended Approval: GREGORIO S. REYES, ENP Endorsed by: ELEGIO A. MALALUAN, O.D. Sheet Content: CROSS SECTION @ STA. 2+940 - STA. 3+200	
 JOSE VINCENT O. GALISA, C.E. Draftsman III		 OLIVERA, C.E. ENP Assistant Municipal Engineer (Civil)	
 GREGORIO S. REYES, ENP Municipal Planning and Development Coordinator		 ELEGIO A. MALALUAN, O.D. Municipal Mayor	
 ELEGIO A. MALALUAN, O.D. Municipal Mayor		Sheet No. 2855	



Republic of the Philippines
 Department of Agriculture
 Province of Oriental Mindoro
 Municipality of Bongabong

SP ID Number: PBDP-IR-004B-00M-007-00N-007-2019
 Project Title: Concreting of Centro - Panulan - Balite, Hagan
 Farm to Market Road
 Location: Hagan, Bongabong Oriental Mindoro

Prepared By:
 JOSE VINCEN C. GALICA, C.E.
 Engineer III

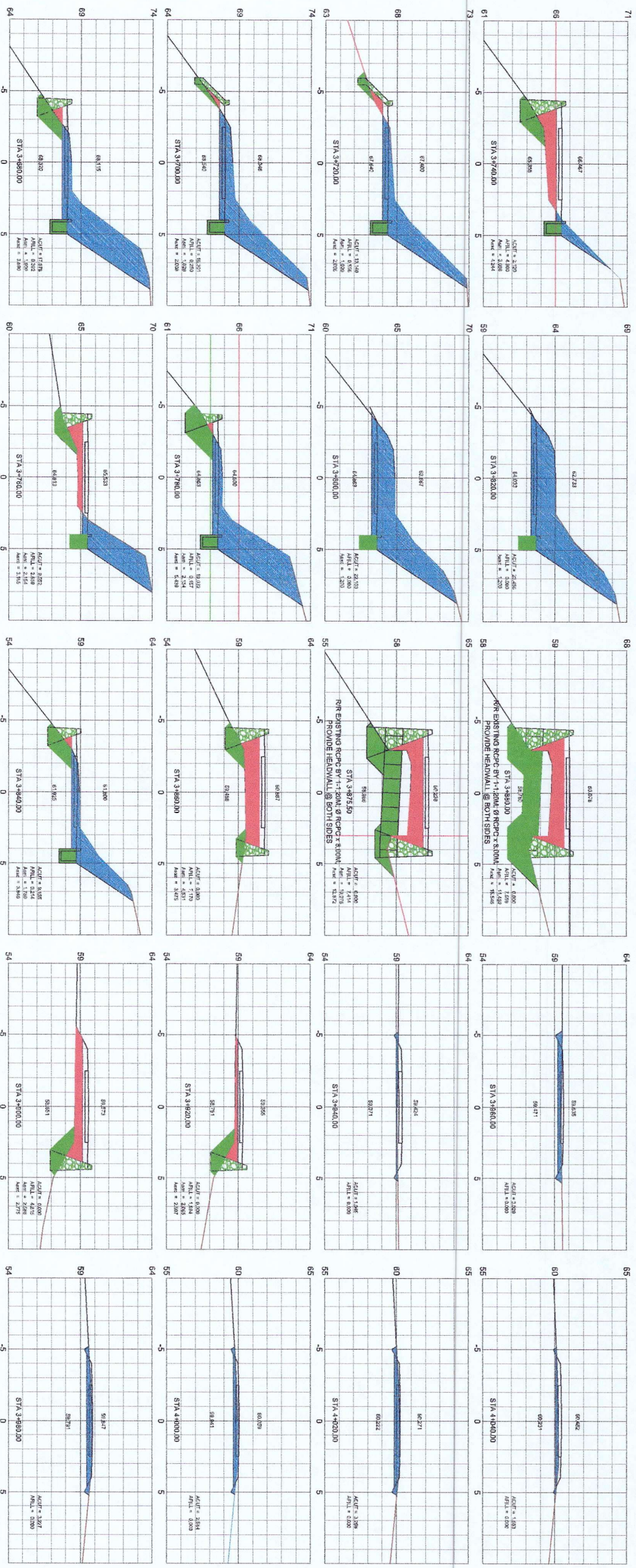
Checked By:
 OLYVIA G. JORJONE, C.E. E.M.P.
 Resident Municipal Engineer / DIC MEO
 Municipality of Bongabong

Recommending Approval:
 GREGORIO S. REYES, E.M.P.
 Municipal Planning and Development Coordinator
 Municipality of Bongabong

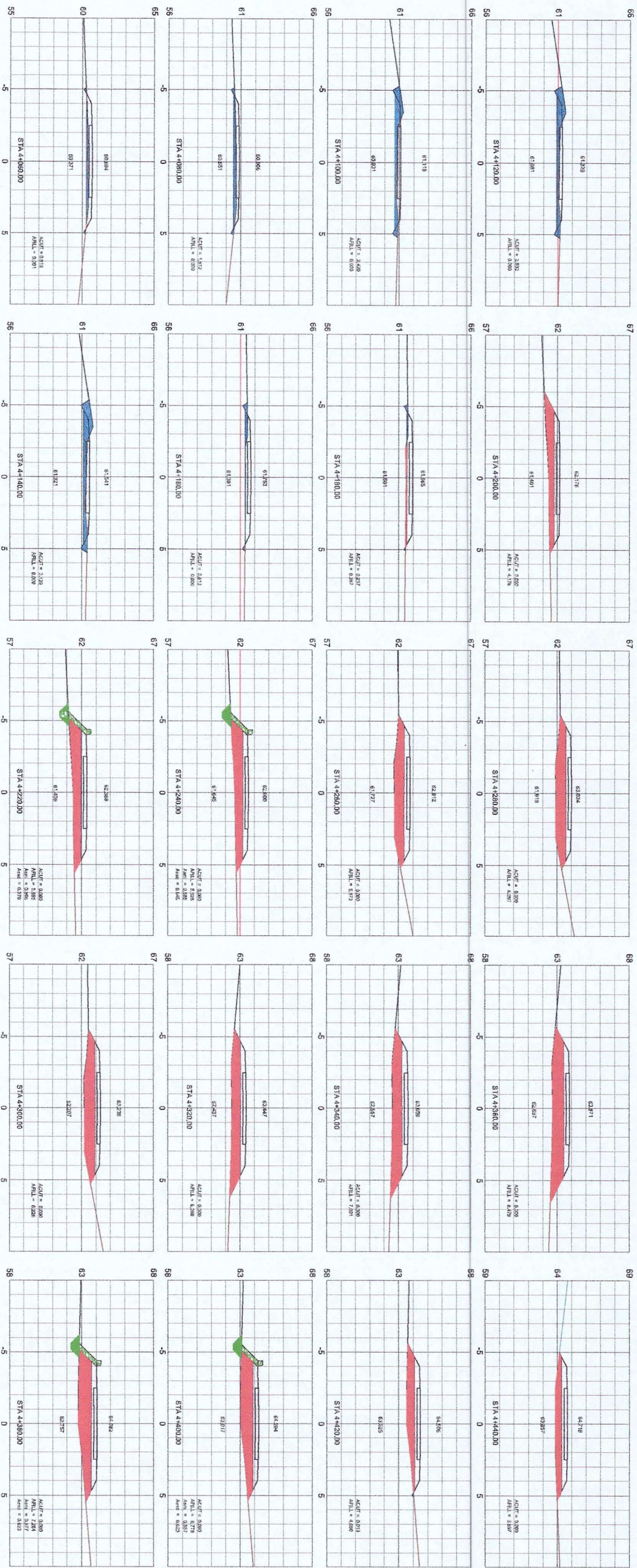
Approved By:
 ETESIO A. MALULAN, O.D.
 Municipal Mayor
 Municipality of Bongabong

Sheet Content: CROSS SECTION @ STA. 3+280 -
 STA. 3+600

Sheet No.



 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong		 Department of Transportation Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	
SP ID Number: TRDP-IR-044-ONM-007-BON-007-2019		Project Title: Concrete of Centro - Pantuan - Balite, Hagan Farm to Market Road Hagan, Bongabong Oriental Mindoro	
Proposed By:  JOSE VINCENT C. GALIGA, C.E. Contractor III		Checked By:  ORLINA G. CORONEL, O.S.-EP Assistant Municipal Engineer - OIC HCO Municipality of Bongabong	
Recommending Approval:  GREGORIO REYES, E.P. Municipal Planning and Development Coordinator Municipality of Bongabong		Approved By:  EUSEBIO A. MALUAN, O.D. Municipal Mayor Municipality of Bongabong	
Sheet Content: • CROSS SECTION @ STA. 3+680 - STA. 4+040		Sheet No. C 27/55	



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong

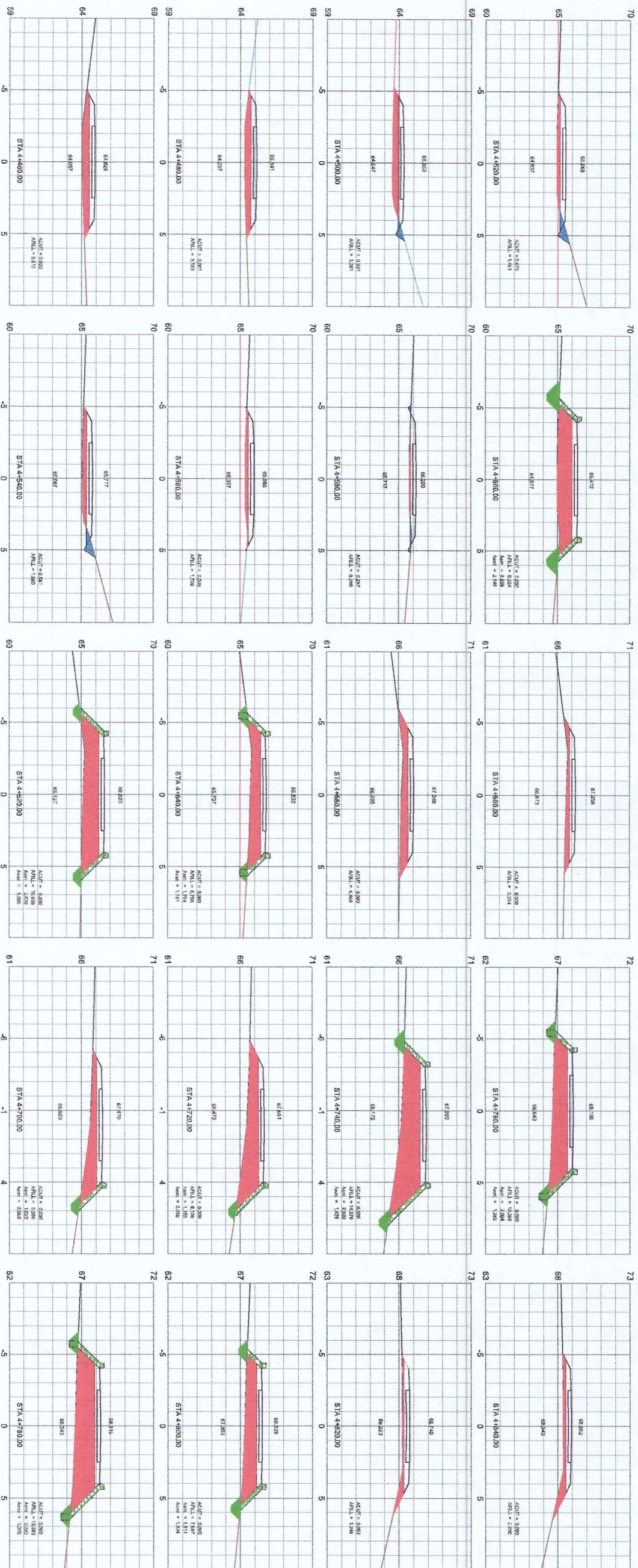


SP ID Number: PRDP-1B-104B-0NW-107-10N-007-2019
Project Title: Concreting of Centro - Panilian - Balila, Hagan
Location: Hagan, Bongabong Oriental Mindoro

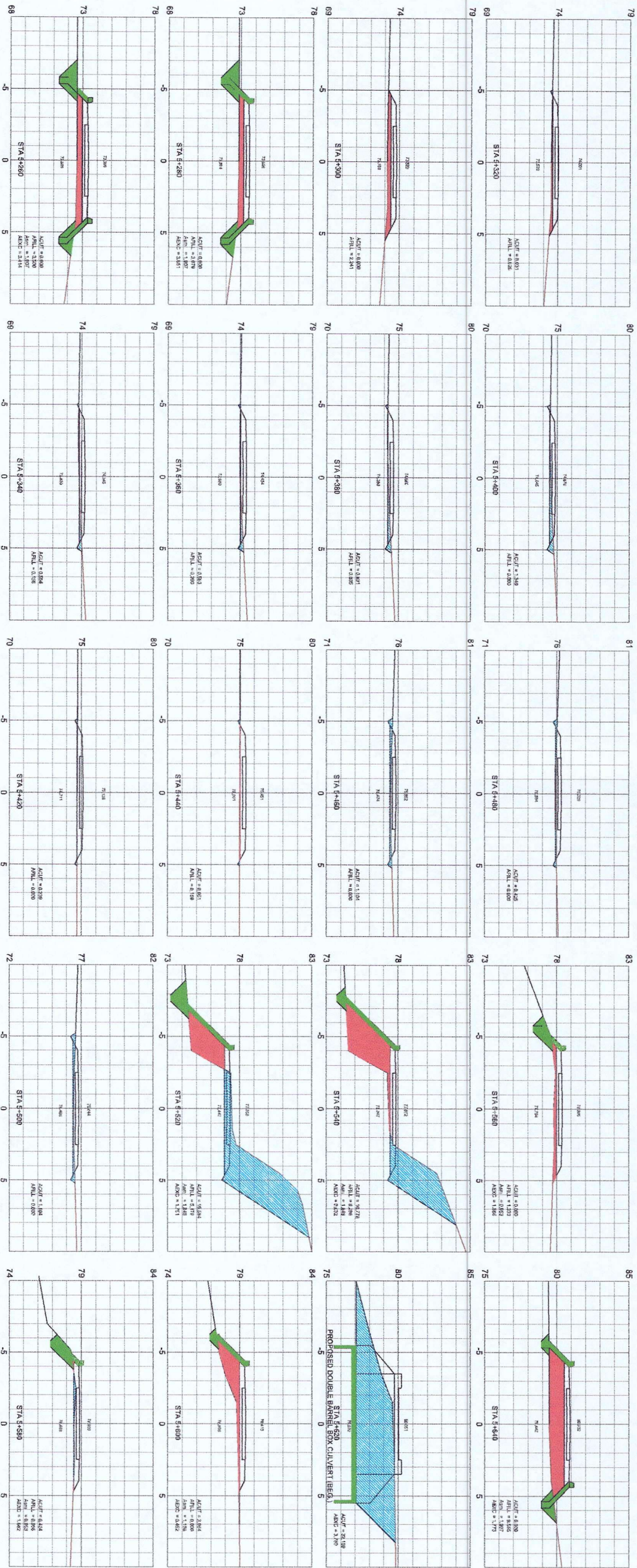
Prepared by: JOSE VINCENT C. GALICA, C.E.
Checked by: OLIVER C. CORDON, C.E., E.N.P.
Municipal Planning and Development Coordinator

Recommending Approval: GREGORIO R. REYES, E.N.P.
Approved by: ELEAZAR WALUAN, O.D.
Municipal Mayor

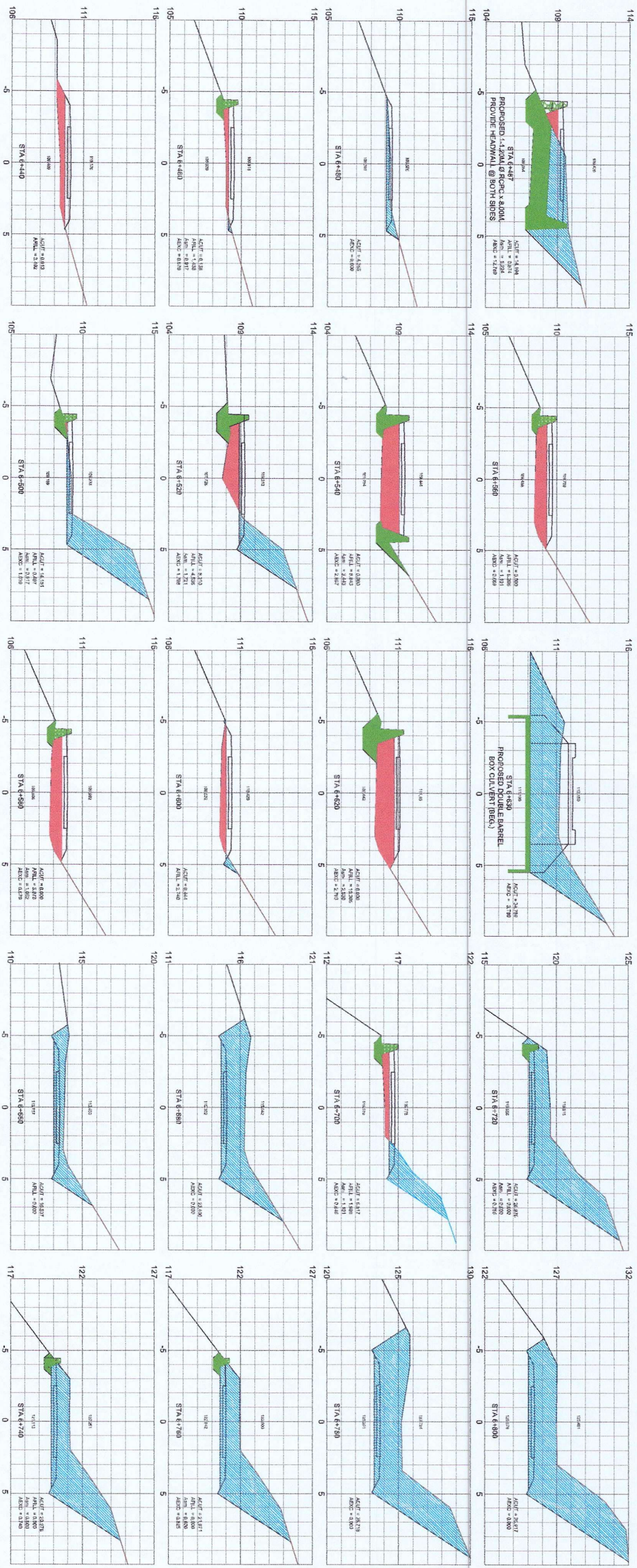
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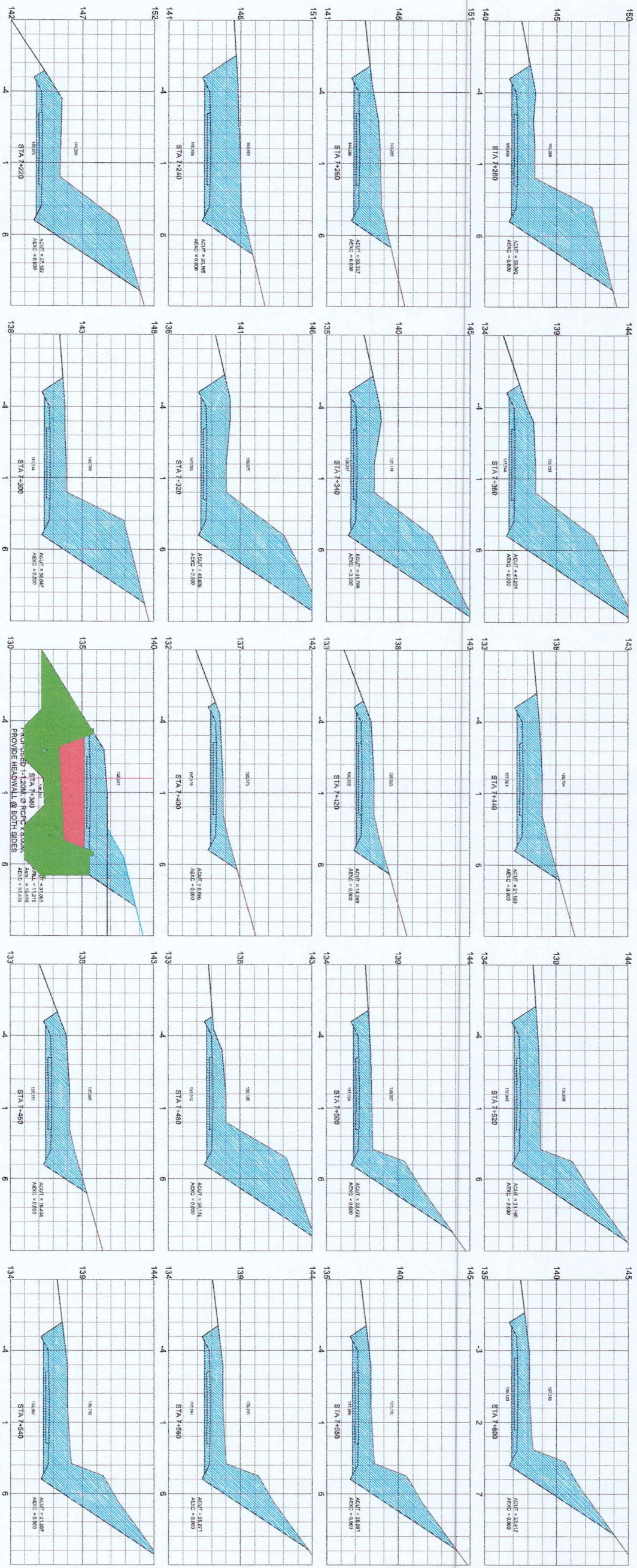
 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong			
SP ID Number: PRDP-IR-R04B-OM-007-80X-007-2019		Project Title: Concreting of Centro - Panlun - Balita, Hagan	
Location: Hagan, Bongabong Oriental Mindoro		Location: Hagan, Bongabong Oriental Mindoro	
Prepared by:	Checked by:	Recommending Approval:	Approved by:
 JOSE VINCENT C. GAUDA, C.E. City Engineer III	 OLYVIA F. CONRNER, O.E., E.P. Assistant Municipal Engineer / OIC MEO Municipality of Bongabong	 GREGORIO S. REYES, E.P. Municipal Planning and Development Coordinator Municipality of Bongabong	 ELEONOR MALULAN, O.D. Municipal Mayor Municipality of Bongabong
GROSS SECTION @ STA. 4+450 - STA. 4+840			
Sheet No. 			



 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	
SP ID Number: Project Title: Location:	P80D-IR-804B-ORM-007-80N-007-2015 Concrete of Cement - Parulan - Balita, Hagan Farm to Market Road Hagan, Bongabong Oriental Mindoro
Prepared by: Checked by:	JOSE VINCENT C. GALISA, C.E. Assistant Municipal Engineer / OIC-Engr. Municipality of Bongabong
Recommended Approval:	GREGORIO S. REYES, ENP. Municipal Planning and Development Coordinator Municipality of Bongabong
Approved by:	ELEGIO A. MALALUAN, C.D. Municipal Mayor Municipality of Bongabong
Sheet Content:	CROSS SECTION @ STA. 5+260 - STA. 5+640
Sheet No.	C 3155



 <p>Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong</p>			
<p>SP ID Number: PRDP-IP-RD4B-ORM-007-BON-007-2019</p> <p>Project Title: Concreting of Centro - Panluran - Balite, Hagan Farm to Market Road</p> <p>Location: Hagan, Bongabong Oriental Mindoro</p>		<p>Prepared by:  JOSE VINCENT C. GALICIA, C.E. Draftsman III</p> <p>Checked by:  OLYVIA S. REYES, E.N.P. Assistant Municipal Engineer / ODTMO Municipality of Bongabong</p> <p>Recommending Approval:  GREGORIO S. REYES, E.N.P. Municipal Planning and Development Coordinator Municipality of Bongabong</p> <p>Approved by:  ELEONORA MALALUAN, O.D. Municipal Mayor Municipality of Bongabong</p>	
<p>Sheet Content: CROSS SECTION @ STA. 6+40 - STA. 6+800</p>		<p>Sheet No. </p>	



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



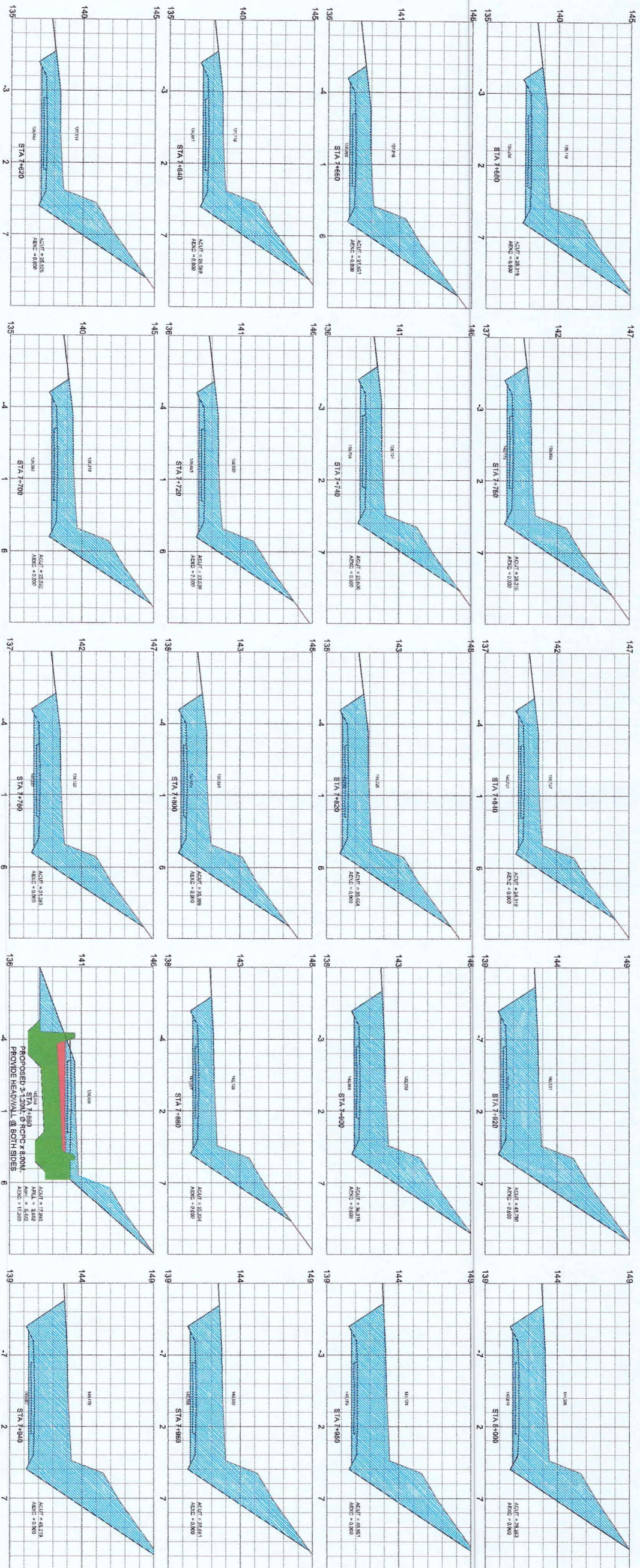
SP ID Number: PBDP-IR-004B-ORM-007-80N-007-2019
Project Title: Concreting of Centro - Panulan - Balite, Hagan
Farm to Market Road
Location: Hagan, Bongabong Oriental Mindoro

Prepared by: JOSE VINCENT C. CALIQUAN, E.E.
Checked by: OLIVER C. CORNEL, C.E., E.P.
Assist. Municipal Engineer / OIC-EMO
Municipality of Bongabong

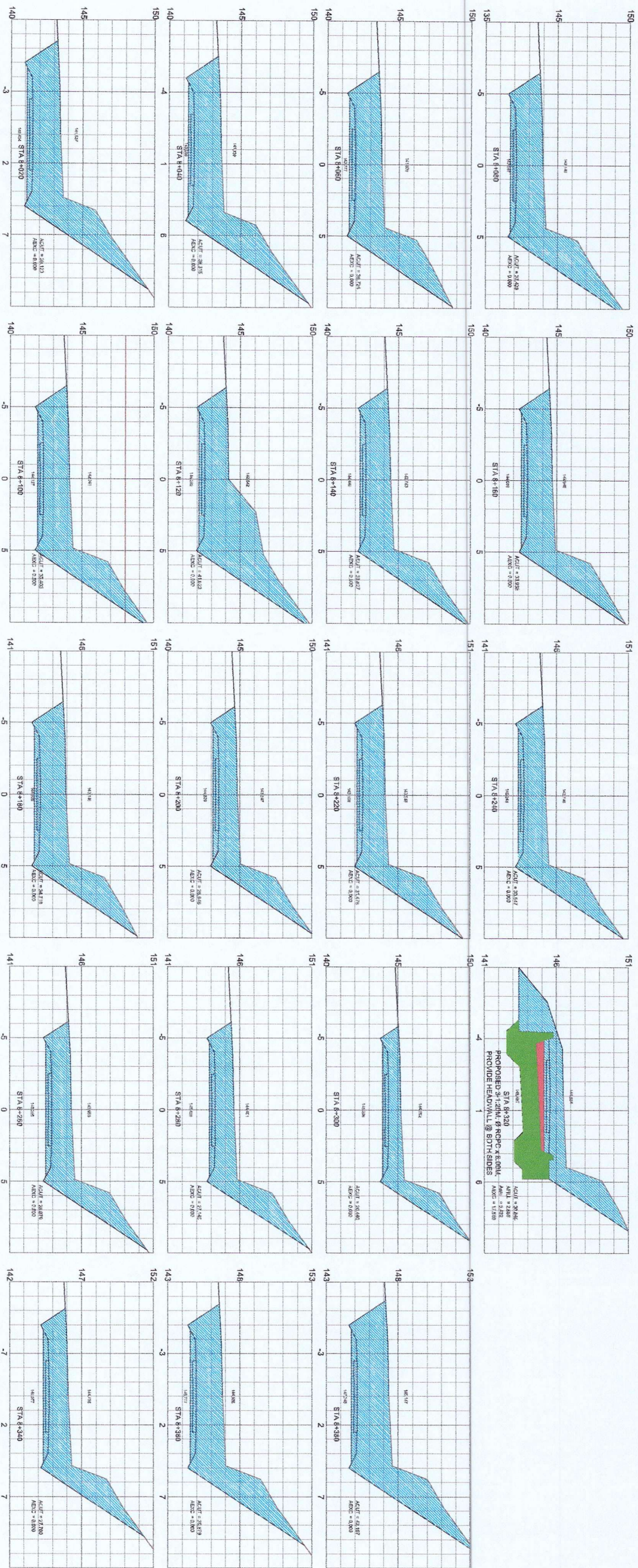
Recommending Approval: GREGORIO S. REYES, E.P.
Approved by: ELEGIO A. MALALUAN, O.D.
Municipal Planning and Development Coordinator
Municipality of Bongabong

Sheet Content: CROSS SECTION @ STA. 7+220 -
STA. 7+800

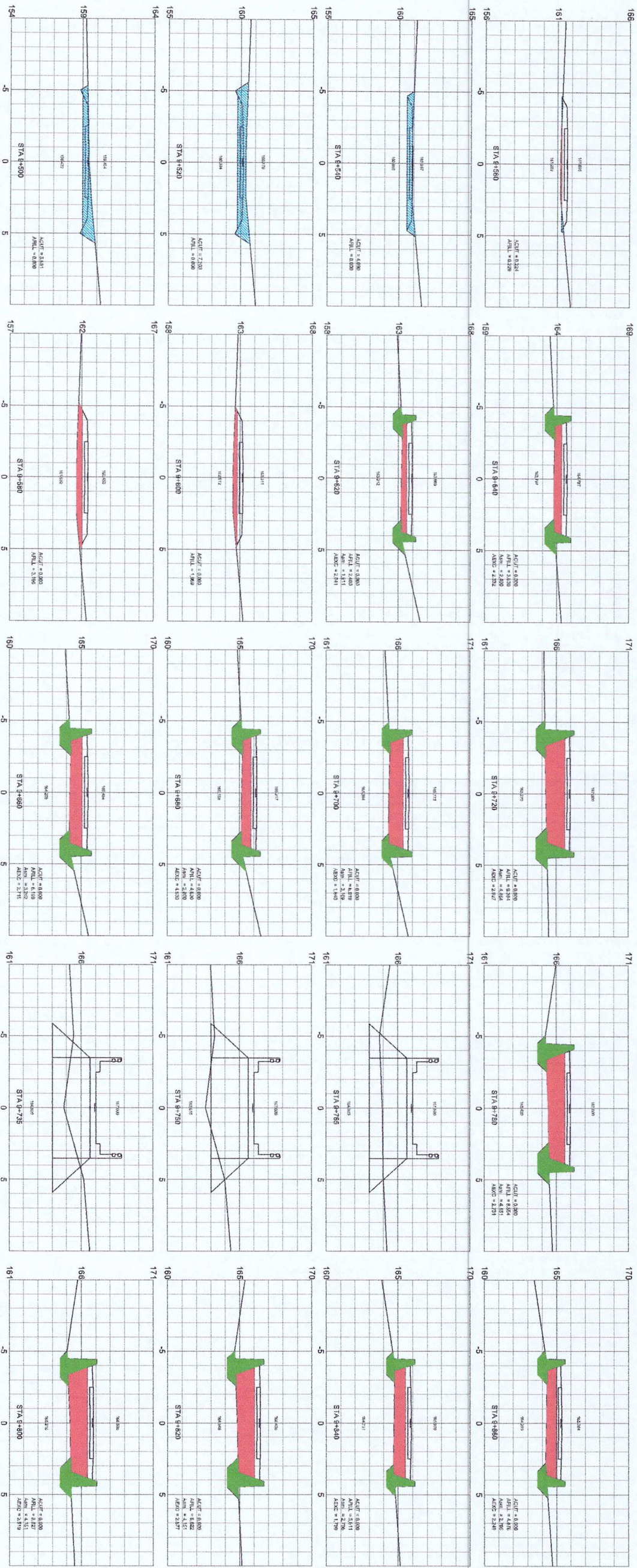
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 Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong		 Municipality of Bongabong	
SP ID Number: PRD-1R-2018-01M-007-40X-007-2019		Project Title: Concreting of Centro - Panluan - Balita, Hagan	
Location: Hagan, Bongabong Oriental Mindoro		Checked by:  JOSE VINCENT C. GAHOY, C.E. Officer-in-Charge	
Reviewed by:  OLIVERIO CORONEL, C.E. Engr. Assistant Municipal Engineer - Engr.		Recommending Approval:  GREGORIO REYES, Engr. Municipal Planning and Development Coordinator	
Approved by:  EZEQUIEL A. MALULAN, C.D. Municipal Mayor		Sheet Content: CROSS SECTION @ STA. 7+620 - STA. 8+000	
Sheet No. 			



 <p>Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong</p>			
<p>SP ID Number: PRD-1B-804B-ORM-007-80N-007-2019</p> <p>Project Title: Concreting of Centro - Panulan - Balile, Hagan</p> <p>Location: Hagan, Bongabong Oriental Mindoro</p>		<p>Prepared by:  JOSE VINCENT F. CALIDA, C.E. Division III</p> <p>Checked by:  OLIVIA D. CORONEL, C.E., EIP Assistant Municipal Engineer / OIC-MSO Municipality of Bongabong</p> <p>Recommending Approval:  GEODINO S. REYES, EIP Municipal Planning and Development Coordinator Municipality of Bongabong</p> <p>Approved by:  EUSEBIO A. MALULAN, O.D. Municipal Mayor Municipality of Bongabong</p>	
<p>SHEET CONTENT: CROSS SECTION @ STA. 8+020 -</p> <p>STA. 8+300</p>		<p>SHEET NO. C</p> <p>38/55</p>	



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



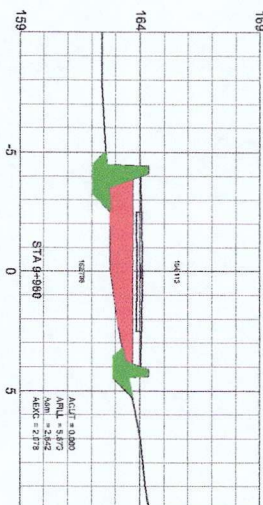
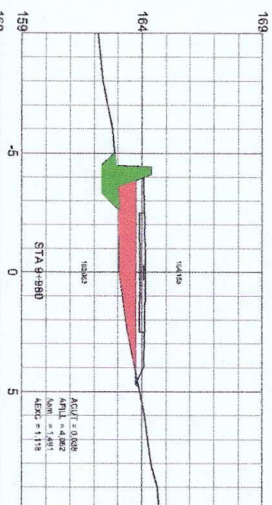
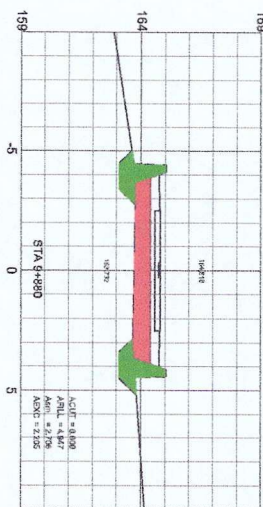
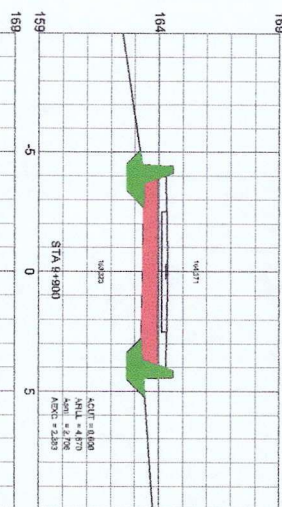
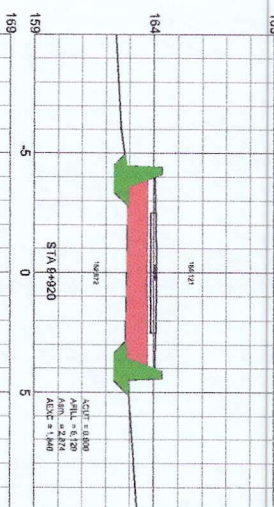
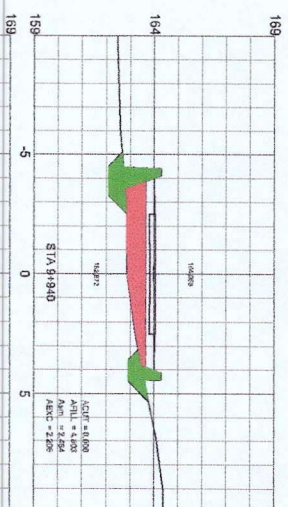
SP ID Number: PRDP-IR-004B-00M-007-BON-007-2019
Project Title: Concreting of Centro - Panluan - Balite, Hagan
Farm to Market Road
Location: Hagan, Bongabong Oriental Mindoro

Prepared By: JOSE VINCENT C. CALICA, E.E.
Checked By: QUINCY L. CORONEL, C.E., E.N.P.
Assistant Municipal Engineer / OIC-MEO
Municipality of Bongabong

Recommending Approval: GREGORIO S. REYES, E.N.P.
Municipal Planning and Development Coordinator
Municipality of Bongabong

Approved By: ELEGIO A. MALALUAN, O.D.
Municipal Mayor
Municipality of Bongabong

Sheet Content: CROSS-SECTION @ STA. 9+500 - STA. 9+800
Sheet No. C 42.55



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



SP ID Number:
Project Title:
Location:

PRDP-IR-R04B-ORM-007-BON-007-2019
 Concreting of Centro - Panluan - Balite, Hagan
 Farm to Market Road
 Hagan, Bongabong Oriental Mindoro

Prepared by:

JOSE VINCENT C. GALIGA, C.E.
Draftsman III

Checked by:

OLIVIA C. CORONEL, C.E., EMP.
Assistant Municipal Engineer / ORO-MEO
Municipality of Buringbong

Recommending Approval:

GREGORIO S. REYES, ENP.
Municipal Planning and Development Coordinator
Municipality of Bangbang

Approved by:

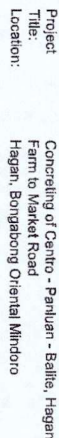
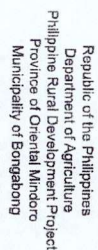
ELEGIO A. MALALUAN, O.D.
Municipal Mayor
Municipality of Bongaong

Sheet Content:

~~CROSS SECTION @ STA. 9+880 -~~
STA. 9+980

Sheet No. _____

A circular logo divided into four quadrants by a vertical and a horizontal line. The top-right quadrant contains the letter 'C'. The bottom-left quadrant contains the number '4355'. The other two quadrants are empty.



SP ID Number:

Project Title: Conciling of Centro - Panluan - Balite, Hagar Farm to Market Road
Location: Hagar, Bongabong Oriental Mindoro

Prepared by:

Checked by

Recommending Approval

Approved by:

Sheet Content

Sheet No.

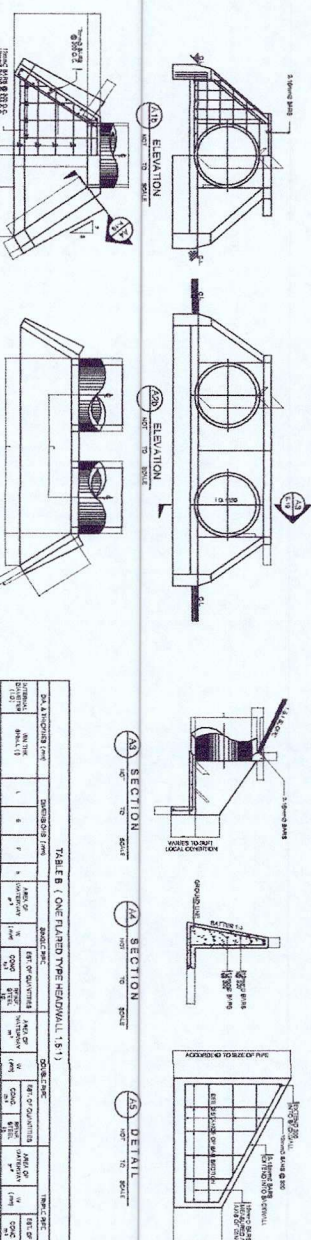
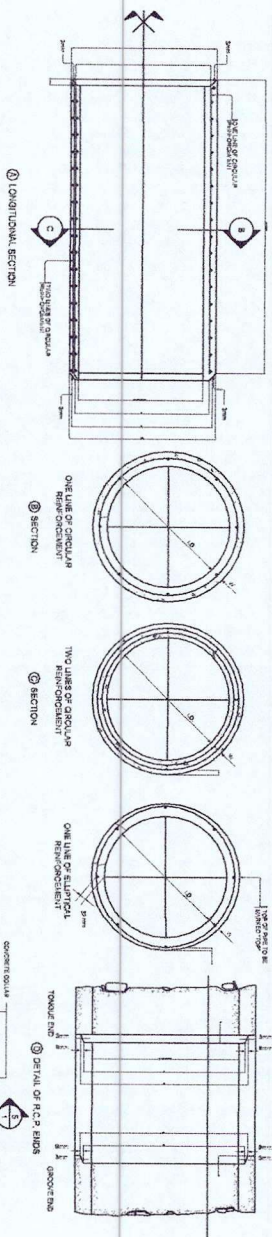
JOSE VINCENT C. GALIGA, C.E.

OLIVIA C. CORONEL, C.E., ENP
Assistant Municipal Engineer / DIC MEO
Municipality of Bongaibong

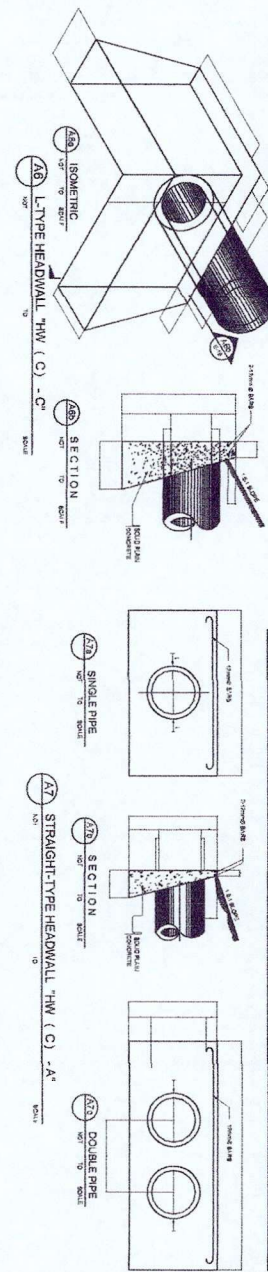
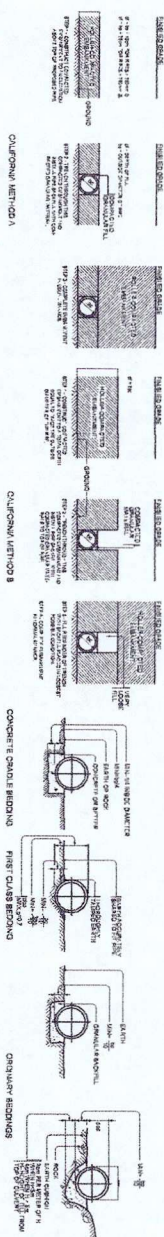
<p>GREGORIO S. REYES, ENR.</p> <p>Municipal Planning and Development Coordinator Municipality of Balingasag</p>	<p>REGIO A. MALALUAN</p> <p>Municipal Mayor Municipality of Bongabon</p>
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~~STANDARD FOR PC HEADWALL DETAILS~~

44 55

[illegible][illegible][illegible]

SO ₂ I-CONCENTRATION	POLLUTION INDEX	POLLUTION INDEX	NO.2 PHS		COAL PHS		1960, LHS	
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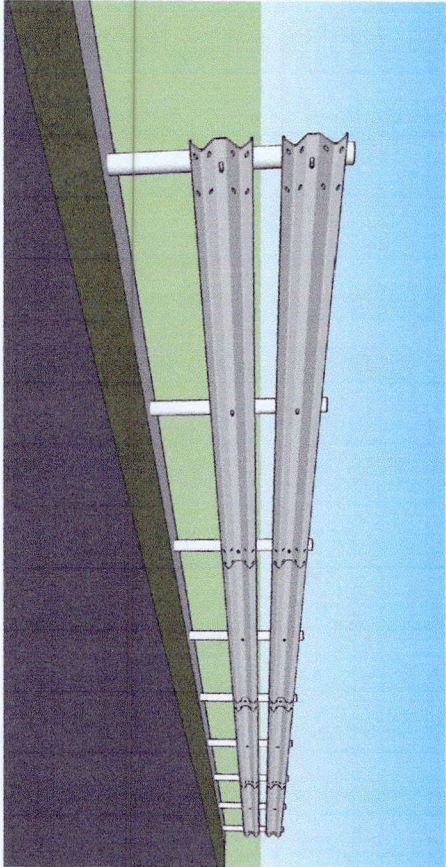


STANDARD RCPC DETAILS

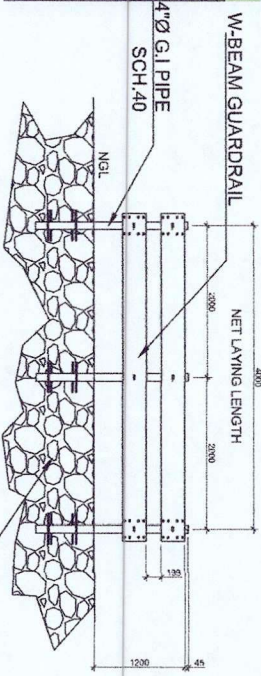
A STANDARD REINFORCED CONCRETE HEADWALL FOR RCPC

SCHEDULE OF GUARDRAIL				
STATION (FROM)	STATION (TO)	Ht	L	REMARKS
STA. 0 + 680	STA. 0 + 793	1.20m	113m	@ RS
STA. 1 + 040	STA. 1 + 245	1.20m	205m	@ RS
STA. 1 + 680	STA. 1 + 896	1.20m	216m	@ RS
STA. 2 + 320	STA. 2 + 602	1.20m	282m	@ RS
STA. 2 + 980	STA. 3 + 218	1.20m	238m	@ LS
STA. 3 + 500	STA. 4 + 347	1.20m	847m	@ LS
STA. 5 + 960	STA. 6 + 338	1.20m	378m	@ LS
STA. 6 + 820	STA. 7 + 180	1.20m	260m	@ LS

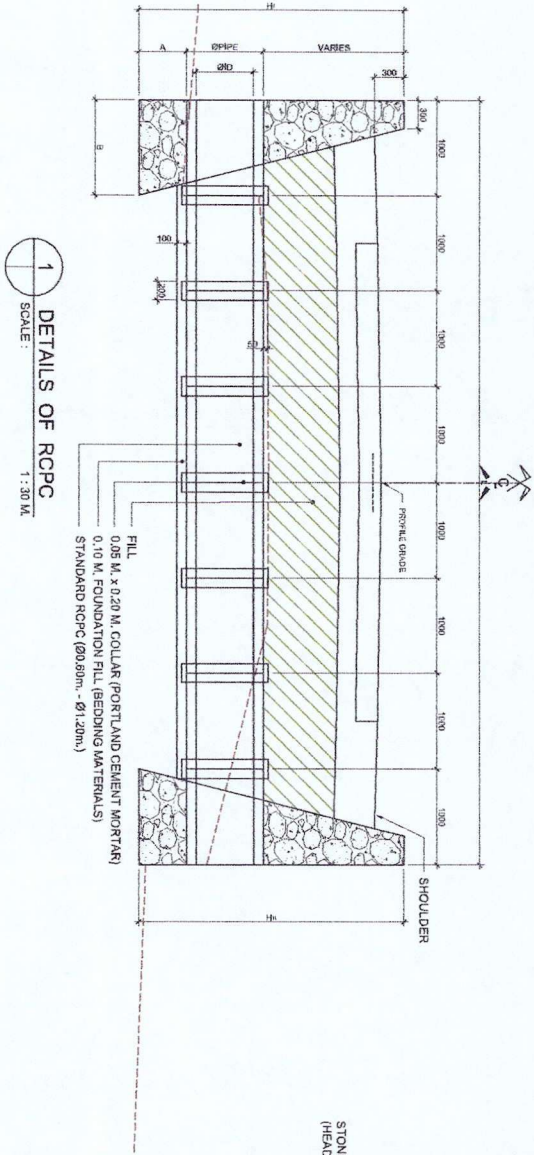
SCHEDULE OF RCPC & RCPC HEADWALL										
STATION	Ø I.D.	PIPE Ø	BARREL	A	B	H _L	H _s	W	L	REMARKS
STA. 0+008.50	900	1100	1	940	1530	2960	2988	1830	8000	PROVIDE HEADWALL @ BS.
STA. 0+013.50	900	1100	1	710	1330	2479	3919	1830	8000	PROVIDE HEADWALL @ BS.
STA. 0+212.00	900	1100	1	1000	2000	4075	4341	1830	8000	PROVIDE HEADWALL @ BS.
STA. 0+277.50	900	1100	1	1000	1380	2805	3920	1830	8000	PROVIDE HEADWALL @ BS.
STA. 0+394.00	900	1100	1	850	1520	2923	3164	1830	8000	PROVIDE HEADWALL @ BS.
STA. 0+580.00	900	1100	1	600	1440	2733	3564	1830	8000	PROVIDE HEADWALL @ BS.
STA. 0+880.00	900	1100	1	970	1360	2538	2566	1830	8000	PROVIDE HEADWALL @ BS.
STA. 1+254.00	900	1100	1	1000	2170	4502	5051	1830	8000	PROVIDE HEADWALL @ BS.
STA. 1+500.00	900	1100	1	1000	1350	2524	2943	1830	8000	PROVIDE HEADWALL @ BS.
STA. 1+760.00	900	1100	1	1000	1290	2372	2519	1830	8000	PROVIDE HEADWALL @ BS.
STA. 1+917.00	900	1100	1	1000	1210	2197	2538	1830	8000	PROVIDE HEADWALL @ BS.
STA. 2+000.00	900	1100	1	780	1210	2203	2655	1830	8000	PROVIDE HEADWALL @ BS.
STA. 2+133.00	900	1100	1	1000	1125	1982	2419	1830	8000	PROVIDE HEADWALL @ BS.
STA. 2+385.00	900	1100	1	1000	1370	2575	2575	1830	8000	PROVIDE HEADWALL @ BS.
STA. 2+535.00	900	1100	1	1000	1290	2382	3044	1830	8000	PROVIDE HEADWALL @ BS.
STA. 2+820.00	900	1100	1	1000	1470	3927	3927	1830	8000	PROVIDE HEADWALL @ BS.
STA. 3+242.50	900	1100	1	1000	1870	4004	4004	1830	8000	PROVIDE HEADWALL @ BS.
STA. 3+875.50	1200	1400	1	600	2190	4551	3969	2120	8000	PROVIDE HEADWALL @ BS.
STA. 3+880.00	1200	1400	1	600	2205	4576	4576	2120	8000	PROVIDE HEADWALL @ BS.
STA. 3+880.00	1200	1400	1	1000	2387	2387	2745	1830	8000	PROVIDE HEADWALL @ BS.
STA. 6+405.00	1200	1400	1	1000	1505	2898	2863	2120	8000	PROVIDE HEADWALL @ BS.
STA. 6+467.00	1200	1400	1	1000	2300	4797	4797	2120	8000	PROVIDE HEADWALL @ BS.
STA. 7+380.00	1200	1100	3	1000	1630	3203	2815	6360	8000	PROVIDE HEADWALL @ BS.
STA. 8+320.00	1200	1400	3	1000	1630	3203	2702	6360	8000	PROVIDE HEADWALL @ BS.
STA. 8+545.00	1200	1400	1	1000	1920	3903	2503	2120	8000	PROVIDE HEADWALL @ BS.
STA. 8+720.00	900	1400	1	600	1950	3984	2702	1830	8000	PROVIDE HEADWALL @ BS.
STA. 8+960.00	900	1400	1	1000	1630	3203	2702	1830	8000	PROVIDE HEADWALL @ BS.
STA. 9+140.00	1200	1100	2	1000	1720	3416	3017	4240	8000	PROVIDE HEADWALL @ BS.
STA. 9+260.00	900	1100	1	1000	1565	3040	2540	1830	8000	PROVIDE HEADWALL @ BS.



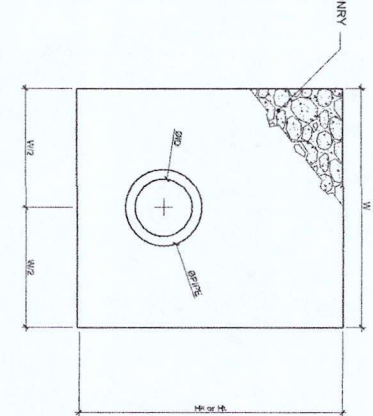
NOTES ON RCPC:
ALIGNMENT, LOCATION & INVERT
ELEVATIONS OF DRAINAGE STRUCTURE
SHALL BE ADJUSTED TO SUIT EXISTING ACTUAL
FIELD CONDITIONS.



GUARDRAIL TYPICAL DETAIL (SLOPE PROTECTION)

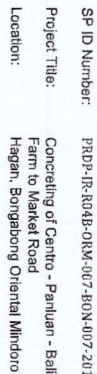
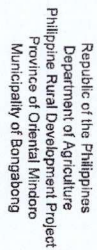


1 DETAILS OF RCPC SCALE : 1 : 30 M



2 DETAILS OF RCPC HEADWALLS SCALE : 1 : 30 M

	Republic of the Philippines Department of Agriculture Philippine Rural Development Project Province of Oriental Mindoro Municipality of Bongabong	SP ID Number: PRDP-IR-8048-OLM-007-EDN-007-2019	Project Title: Concreting of Centro - Panluran - Baliza, Hagan Farm to Market Road Hagan, Bongabong Oriental Mindoro	Location:	Prepared by: JOSE VINCENT C. GAULICA, C.E. Engineer III	Checked by: OLYVIA STORONGMEN, C.E., E.M.P. Assistant Municipal Engineer, I.D.S.-MEO Municipality of Bongabong	Recommending Approval: GREYBIO SAREYES, ENP Municipal Planning and Development Coordinator Municipality of Bongabong	Approved by: EL ECHOA-PAULUDAN, O.D. Municipal Mayor Municipality of Bongabong	Sheet Content: SCHEDULE OF RCPC W/ HEADWALL W-BEAM GUARDRAIL TYPICAL DETAIL	Sheet No. D 45 55
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SP ID Number:	PRD-IR-RO4B-OKM-007-BON-007-2015
Project Title:	Consoling of Centro - Pantuan - Ballea, Hagan Farm to Market Road
Location:	Hagan, Bongabong Oriental Mindoro

Prepared by

Checked by:

Recommending Approval:

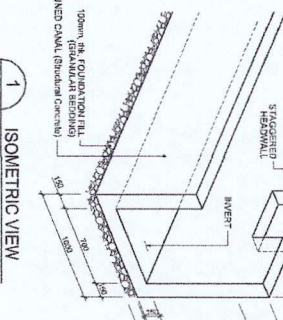
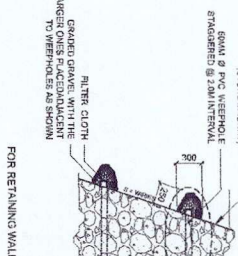
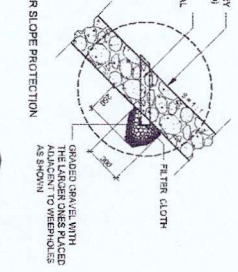
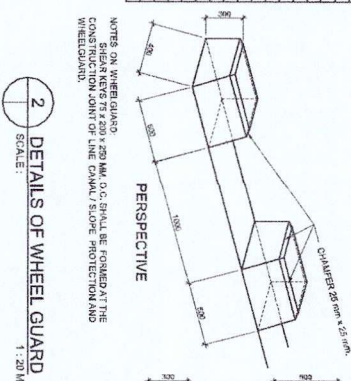
Approved by _____

Shovel Contents:

- SLOPE PROTECTION
- RETAINING WALL DETAIL

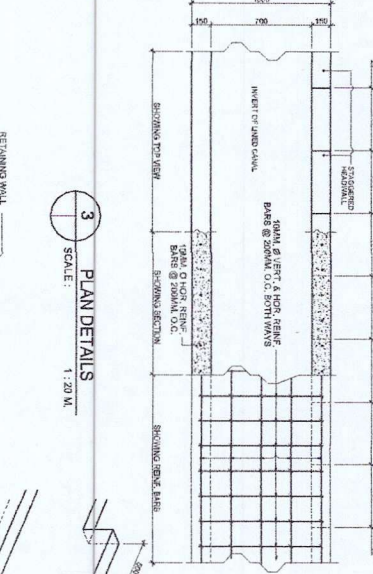
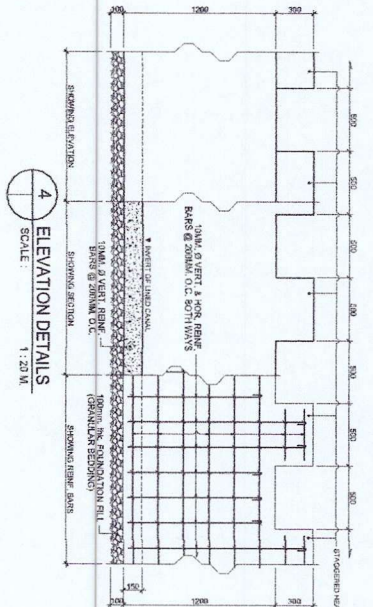
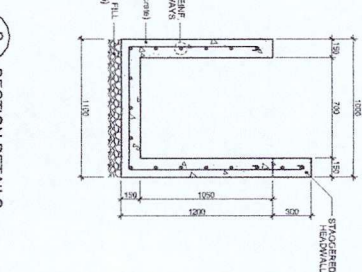
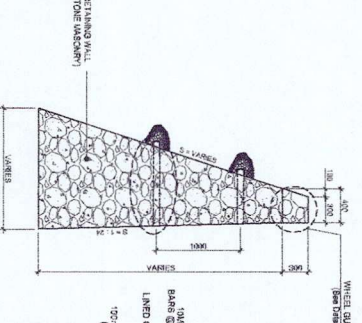
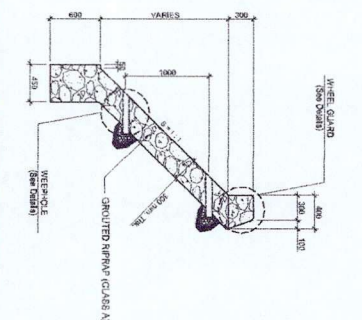
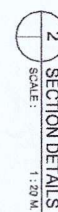
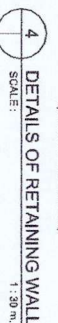
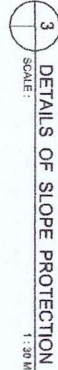
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STA. 34+10.00	STA. 50+10.00
STA. 34+20.00	STA. 50+20.00



STATION			REMARKS		
(From)			(To)		
STA. 0+00.00	STA. 0+75.00	LEFT SIDE	STA. 0+00.00	STA. 0+75.00	LEFT SIDE
STA. 0+80.00	STA. 1+25.00	LEFT SIDE	STA. 0+80.00	STA. 1+25.00	LEFT SIDE
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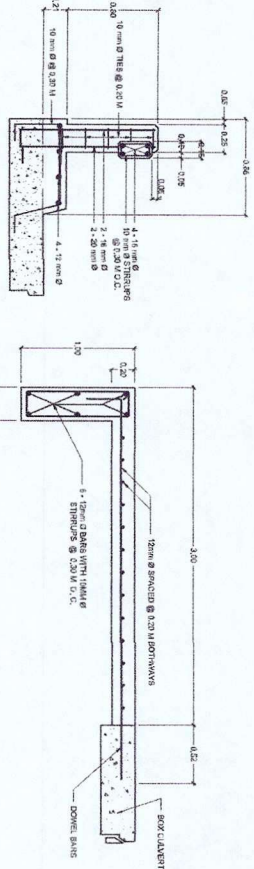
NOTES ON LINED CANAL:
ALIGNMENT, LOCATION & INVERT
ELEVATIONS OF DRAINAGE STRUCTURES
MAYBE ADJUSTED TO SUIT EXISTING/ACTUAL
FIELD CONDITIONS.

[illegible]

STATION	
(mm)	(ft)
STA 0+00.00	STA 0+00.00
STA 0+04.00	STA 0+04.00
STA 0+08.00	STA 0+08.00
STA 0+09.00	STA 0+09.00
STA 0+10.00	STA 0+10.00
STA 0+15.00	STA 0+15.00
STA 0+20.00	STA 0+20.00
STA 0+25.00	STA 0+25.00
STA 0+30.00	STA 0+30.00
STA 0+35.00	STA 0+35.00
STA 0+40.00	STA 0+40.00
STA 0+45.00	STA 0+45.00
STA 0+50.00	STA 0+50.00
STA 0+55.00	STA 0+55.00
STA 0+60.00	STA 0+60.00
STA 0+65.00	STA 0+65.00
STA 0+70.00	STA 0+70.00
STA 0+75.00	STA 0+75.00
STA 0+80.00	STA 0+80.00
STA 0+85.00	STA 0+85.00
STA 0+90.00	STA 0+90.00
STA 0+95.00	STA 0+95.00
STA 1+00.00	STA 1+00.00

BAR BENDING DIAGRAM- BOX CULVERT			
BAR-1	BAR-2	BAR-3	BAR-4
BAR-5	BAR-6	BAR-7	BAR-8
BAR-9	BAR-10	BAR-11	BAR-12

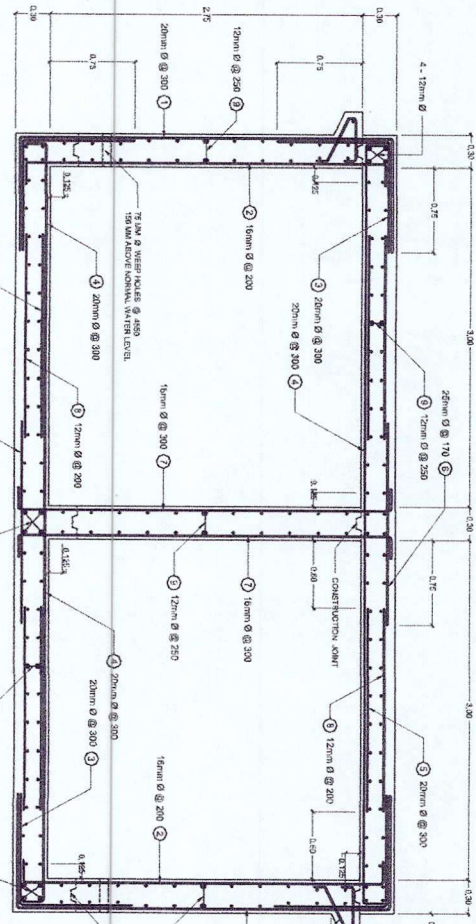
SCHEDULE OF DOUBLE BARREL BOX CULVERT STATION	
STA. 5+620.00	STA. 6+300.00
STA. 6+300.00	STA. 8+400.00



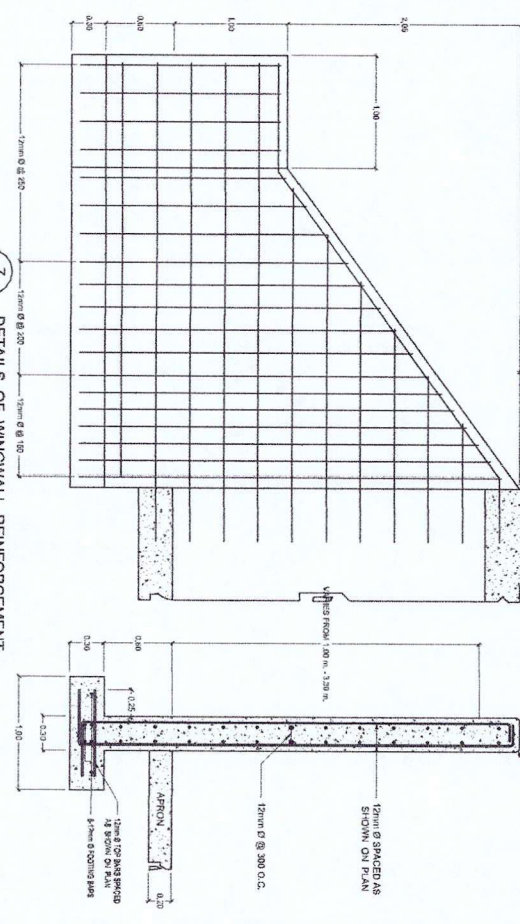
5 DETAILS OF SIDEWALK, POST & RAILING
SCALE: 1:20 M.

6 DETAILS OF APRON REINFORCEMENT
SCALE: 1:20 M.

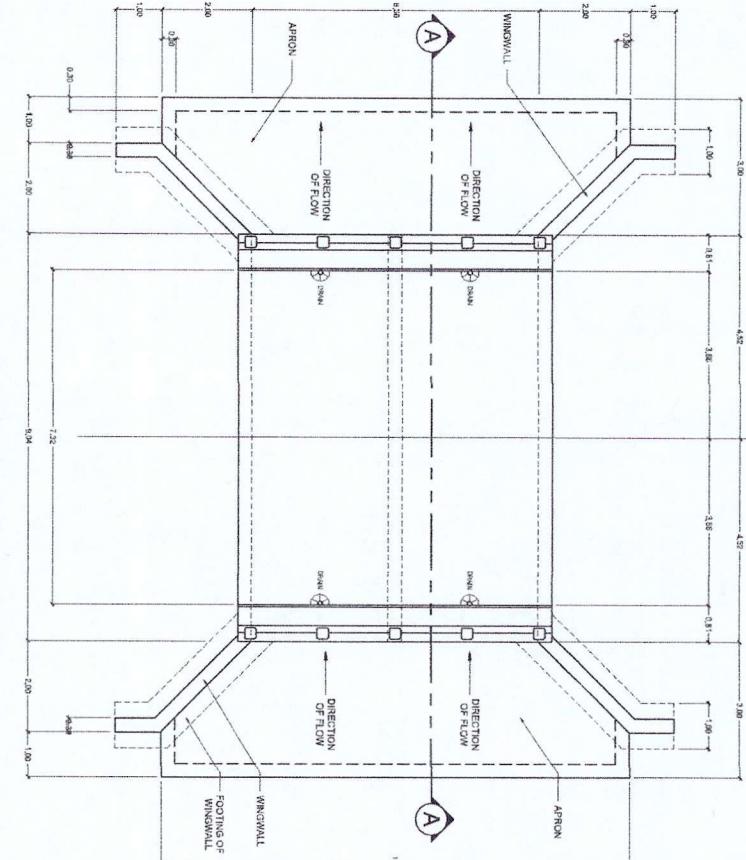
4 DETAILS OF BOX CULVERT REINFORCEMENT
SCALE: 1:20 M.



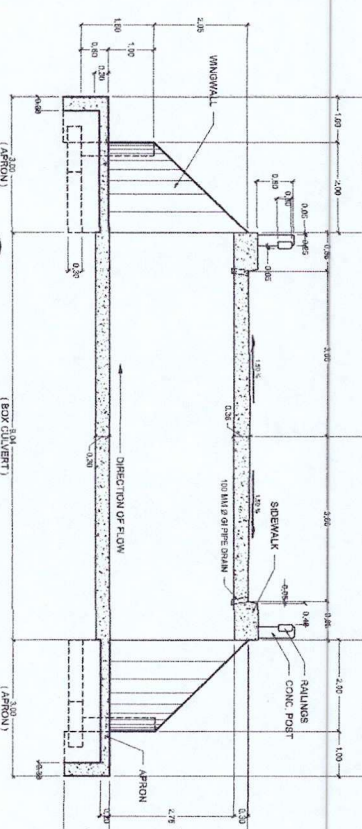
7 DETAILS OF WINGWALL REINFORCEMENT
SCALE: 1:20 M.



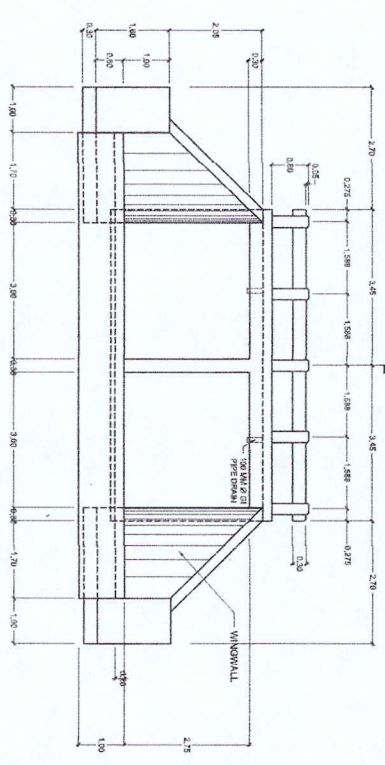
1 PLAN OF DOUBLE BARREL BOX CULVERT
SCALE: 1:50 M.



2 CROSS SECTIONAL ELEVATION THRU "A-A"
SCALE: 1:50 M.




3 RIGHT SIDE ELEVATION
SCALE: 1:50 M.



 <p>Republic of the Philippines Department of Agriculture Province of Oriental Mindoro Municipality of Bongabong</p>	 <p>SP ID Number: PADD-IR-R04B-ORM-007-BON-007-2019 Project Title: Concreting of Centro - Panlisan - Balile, Hagan Farm to Market Road Location: Hagan, Bongabong Oriental Mindoro</p>	<p>Prepared by: JOSE VINCENTE, CIVIL, C.E. Checked by: GREGORIO S. REYES, ENP. Recommended by: GREGORIO S. REYES, ENP. Approved by: ELEGIO M. MALUAN, O.D.</p>	<p>Sheet Content: GENERAL PLANS FOR DOUBLE BARREL, RCBC & RCBC WINGWALL BAR BENDING SCHEDULE</p>	<p>Sheet No. 47/55</p>
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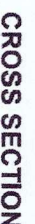



JOSE VINCENT C. GALGA, C.E.
Draftsman III

~~Assistente Municipal Engenharia / QTA-MEO~~
~~OLIVIA S. CORONEL, C.E., ENP~~


ELEGIO A. MALALUAN,
Municipal Mayor

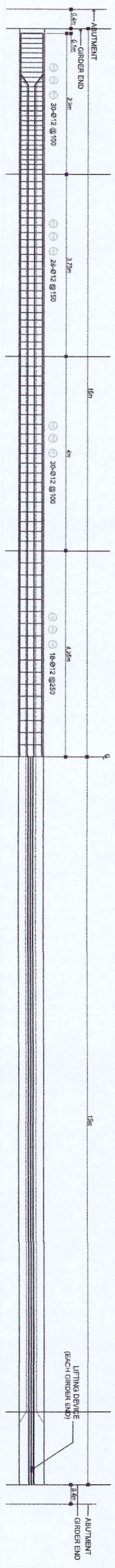
A pie chart for category F is divided into two equal halves. The left half is labeled '48' and the right half is labeled '55'.



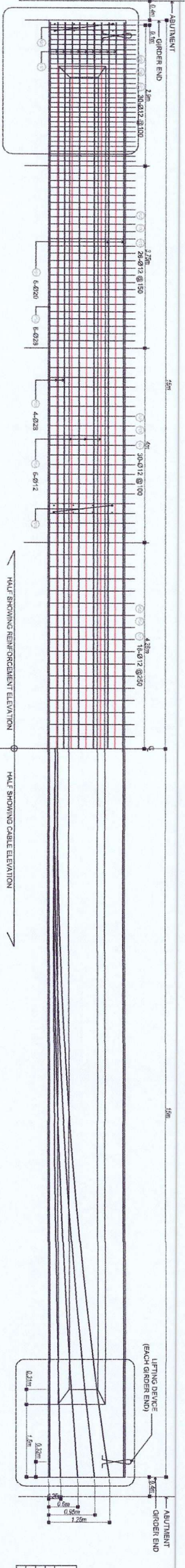
BAR BENDING DIAGRAM



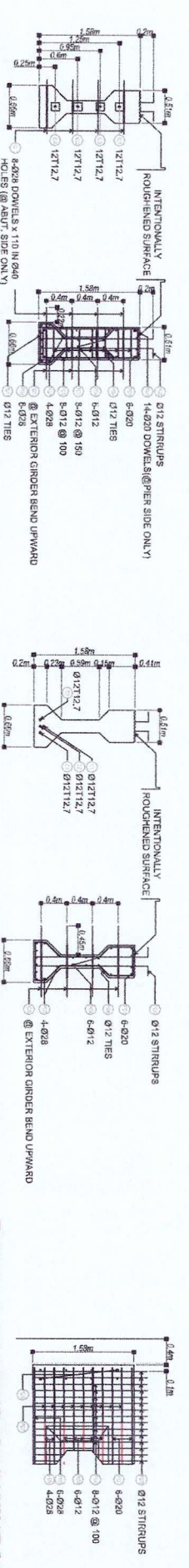
- NOTES:
1. EXISTING LOCATION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
2. EXISTING BRIDGE AND OTHER OBSTRUCTIONS SHALL BE REMOVED IN ACCORDANCE TO ITEM 1019, SUBSTRUCTURE OF EXISTING BRIDGE SHALL BE REMOVED TO PROVIDE ADEQUATE CLEARANCE FOR THE PROPOSED BRIDGE.
3. FINISHED GRADES IN ITEM 1001 SHALL BE THE FINISHED GRADE SURVEYED.
4. ALL QUANTITIES SHALL BE VERIFIED BEFORE CONSTRUCTION BEGINS.
5. PROPOSED DESIGN DATA:
 ORIGINATING AGENCY = 447 km/h
 DESIGN DISCHARGE = 175 m³/sec
 DESIGN VELOCITY = 4.27 m/sec
 WIND = 2.30 m/s
6. SUBSIDARY TO PAY TESTS ON WEEFHOLES
 1. PERFORATED COPS
7. BOREHOLE ANALYSIS, INNER APPROACH S/L-2 IS INCLUDED IN THE TIEBACK QUANTITY.



GIRDER ELEVATION PLAN

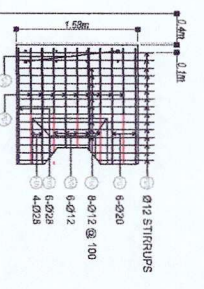


GIRDER ELEVATION DETAILS



SECTION @ END

SECTION @ MIDSPAN



END BLOCK REINFORCEMENT DETAIL @ ABUT.

BAR BENDING DIAGRAM

POST TENSIONING FORCE F AFTER LOSSES AT CENTRELINE OF SPAN / TOTAL JACKING FORCE PER GIRDER

CABLE	TENSION FORCE	JACKING FORCE
1	12-Ø12.7	1661.00 KN
2	12-Ø12.7	1661.00 KN
3	12-Ø12.7	1661.00 KN
4	12-Ø12.7	1661.00 KN

STRUCTURE COMPONENT	MARK	SIZE (mm)	SPACING (mm)	QTY	BAR DIMENSION (OUT TO CUT)	LENGTH PER BAR	UNIT WEIGHT	TOTAL WEIGHT	TOTAL CONCRETE VOLUME
GIRDER	PG1	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG2	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG3	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG4	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG5	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG6	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG7	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG8	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG9	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG10	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70
	PG11	30	AS SHOWN	6	20 820	-	29.80	178.80	442.70

NOTE: ALL QUANTITIES SHALL BE VERIFIED DURING CONSTRUCTION.

Republic of the Philippines
Department of Agriculture
Bureau of Agricultural Machinery Administration
Municipality of Bongabong

SP ID Number: PADM-IR-H04B-08M-007-803X-007-2019

Project Title: Farm to Market Road

Location: Hagan, Bongabong Oriental Mindoro

CAD by: JOSE VINCENT C. SAHON, C.E.

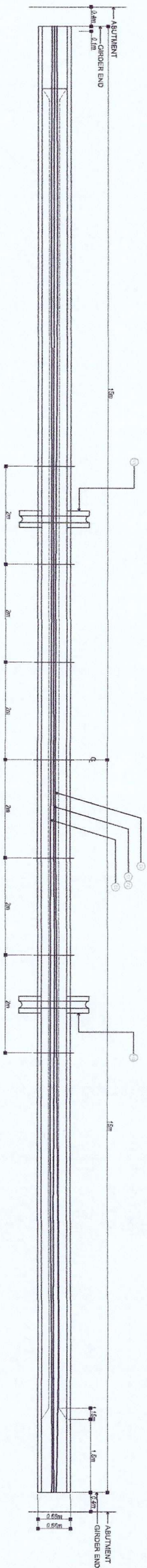
Checked by: OLIVIA C. CORONEL, S.E., ENP.

Recommended by: GREGORIO S. MEYES, ENP.

Approved by: ALBERTO MALALUAN, O.D.

Sheet Content: GIRDER DETAIL PLAN

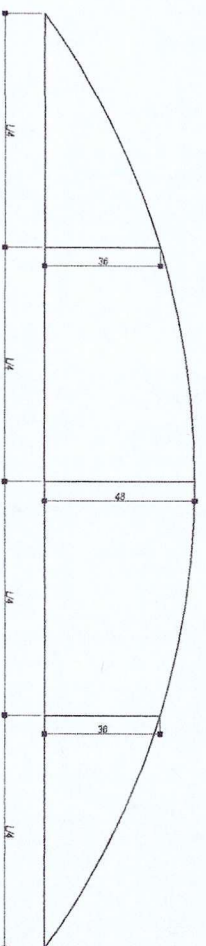
Sheet No. 49/55

[illegible]

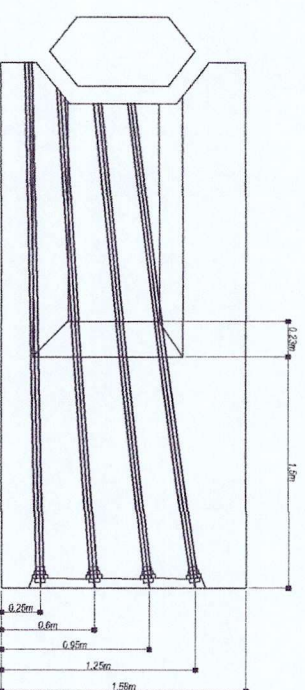
ELEVATION SHOWING DIMENSIONS AND CABLE PROFILE

REGULATORY SECTION OF AGENCY, THAT OF THE RYM IMPLEMENTING RULES AND REGULATIONS OF THE RYM APPROVAL, BY THE AUTHORIZED PRACTITIONER OF THE ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY THE CONSULTANTS NETHER THE TECHNICAL, THE RESPONSIBILITY OF THE ALTERN FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOT TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD FULLY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES / STRUCTURE DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT CONSENT OF THE CONSULTANTS.



CAMBER DIAGRAM



DETAIL AT END BLOCK




Republic of the Philippines
Department of Agriculture
Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



SP ID Number: PDDP-IR-R04B-OKM-007-BU-N-007-2019

Project Title: Concreting of Centro - Pantuan - Baile, Hagan Farm to Market Road

Location: Hagan, Bongabong Oriental Mindoro

CAD by: 

JOSE VINCENT C. GALIGA, C.E.

Professional Seal


Prepared by:	
PRC No.:	
PTR No.:	
ASEP Record	

Checked by: _____

Handwritten signature

OLIVIA C. CORONEL, G.E. ENP
Assistant Municipal Engineer / OIC MEO
Municipality of Boracaying

Recommending Approval:



GREGORIO S. REYES

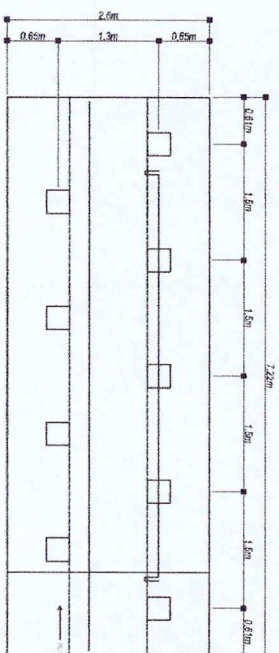
Municipal Planning and Development
Municipality of Bongabong

Approved by: _____

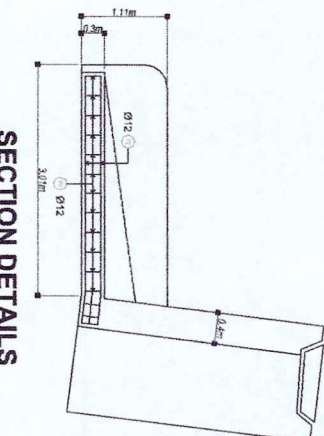
 ELEGIO A. MALALUAN, O.D.
 Municipal Mayor
 Municipality of Bongaobong

• ORDER DETAIL ELEVATION
SHOWING DIMENSION AND CABLE
PROFILE, PLAN SHOWING CABLE
LAYOUT, DETAIL AT END BLOCK
AND CAMBER DIAGRAM

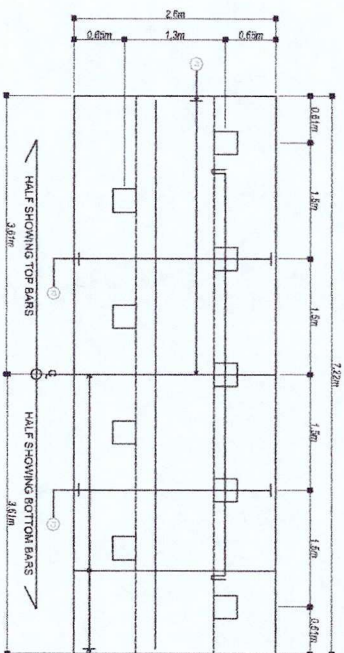
Shari No



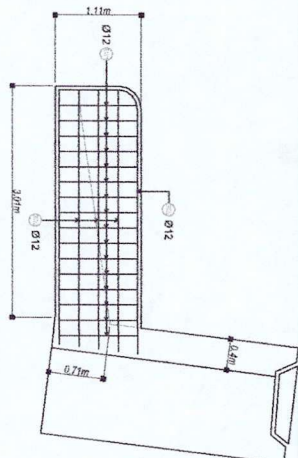
PILE LAY-OUT PLAN



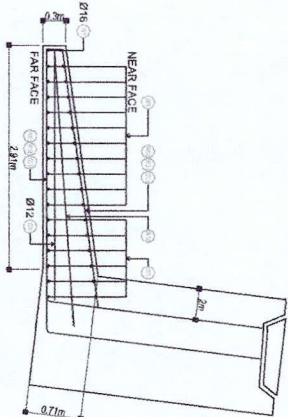
SECTION DETAILS



PILE REINFORCEMENT LAY-OUT PLAN



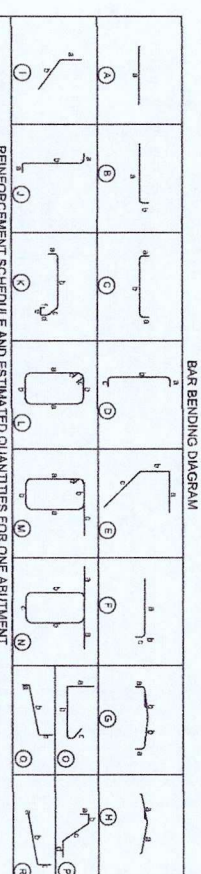
SECTION DETAILS



SECTION DETAILS

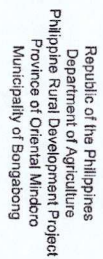
PURSUANT TO SECTION 4 OF ANNEX 'X' OF THE REVISED IMPLEMENTING RULES AND REGULATIONS OF R.A. 9164, THE ENGINEERING SURVEY AND DESIGN UNDERTAKEN BY THE CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEY'S RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE AND IS SOLELY RESPONSIBLE FOR THE FAILURE OF THE FACILITIES / STRUCTURE DUE TO FAULTY DESIGN, EXCEPT FOR THE CHANGES MADE WITHOUT CONFORMITY OF THE CONSULTANTS.



REINFORCEMENT SCHEDULE AND ESTIMATED QUANTITIES FOR ONE ABUTMENT

STRUCTURE COMPONENT	MARK	SIZE (mm)	SPACING (mm)	QTY	BAR SHAPE	REINFORCING BARS (OUT TO OUT)					LENGTH PER BAR (m)	UNIT WEIGHT (kg)	TOTAL VOLUME (m³)
						a	b	c	d	e			
WINGWALL	W1A	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	W1B	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	W1C	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	W1D	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	W1E	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	W1F	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	W1G	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
PIER	P1A	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	P1B	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	P1C	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	P1D	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	P1E	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	P1F	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	P1G	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
SIDEWALK	S1A	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	S1B	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	S1C	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	S1D	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	S1E	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	S1F	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	S1G	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
BREAST WALL	B1A	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	B1B	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	B1C	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	B1D	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	B1E	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	B1F	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	B1G	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
CORREL	C1A	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
	C1B	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
	C1C	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
	C1D	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
	C1E	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
	C1F	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
	C1G	12	150	64	E	500	150	750	-	-	7.200	20.20	0.848
FOOTING	F1A	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	F1B	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	F1C	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	F1D	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	F1E	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	F1F	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	F1G	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
SHEAR KEY	K1A	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	K1B	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	K1C	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	K1D	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	K1E	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	K1F	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	K1G	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
END BLOCK	E1A	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	E1B	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	E1C	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	E1D	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	E1E	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	E1F	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
	E1G	16	150	6	D	160	3.200	900	-	-	4.300	0.848	5.221
RISE	R1A	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	R1B	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	R1C	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	R1D	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	R1E	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	R1F	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
	R1G	12	150	42	L	410	1.915	960	-	-	2.492	12.340	30.68
GRAND TOTAL = 14,463.36													



Republic of the Philippines
Department of Agriculture
Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



SP ID Number:
Project Title:
Location:

PRDP-IR-R04B-ORM-007-BON-007-2019
 Concreting of Centro - Pantuan - Balle, Hagan
 Farm to Market Road
 Hagan, Bongabong Oriental Mindoro


CAD by:

JOSE VINCENT C. GAHGA, C.E.


PRC No.:

[illegible]


Checked by:


OLIVALDO C. CORONEL C.E., ENP

Recommending Approval


GREGORIOS REYES, E

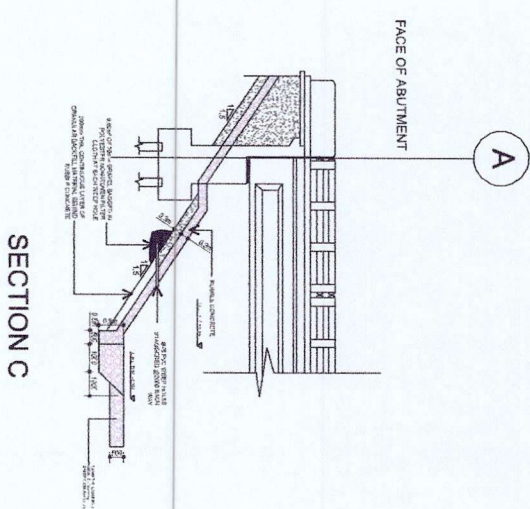
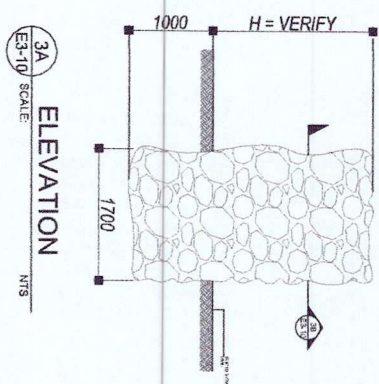
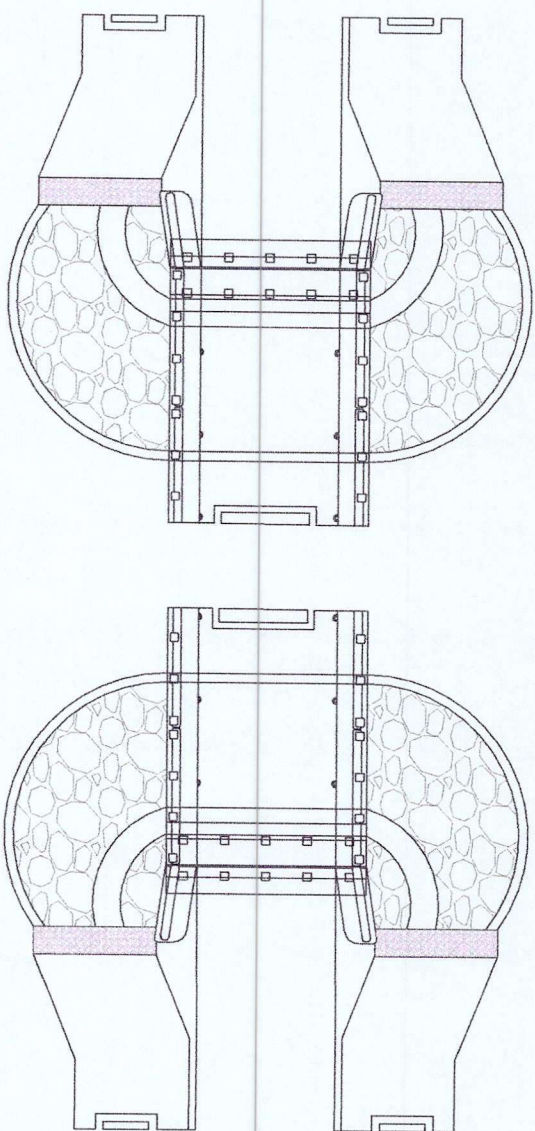
Approved by:


EZEQUIEL A. MALALUAN, O.D.

Sheet Content:

~~• SLOPE PROTECTION WORKS~~

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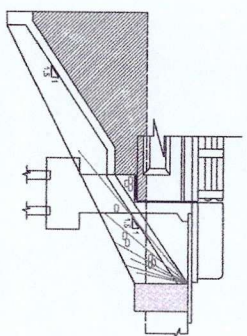
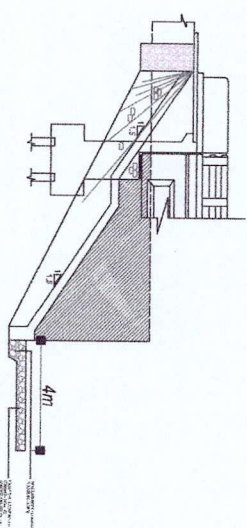


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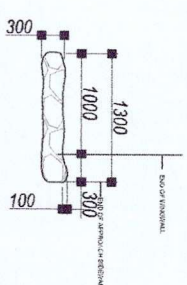
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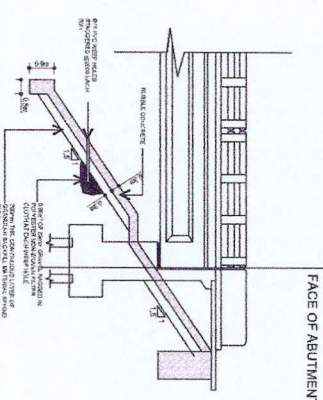


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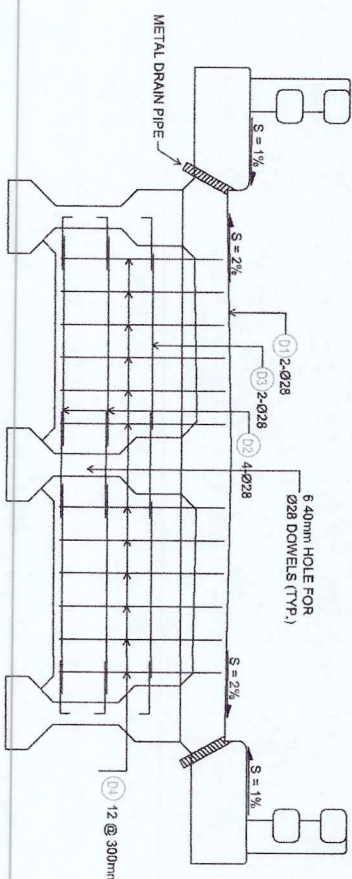
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SIDE DRAIN DETAILS

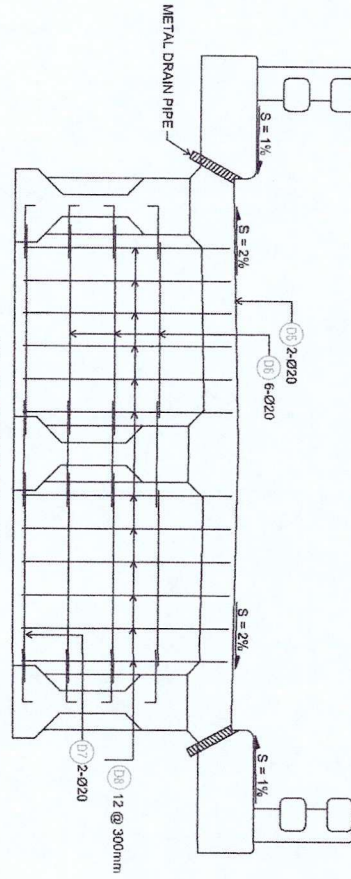


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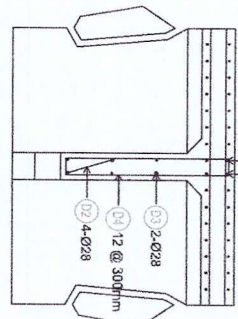
RUBBLE CONCRETE AND DRAIN DETAILS



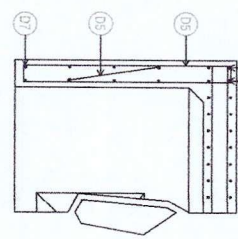
INTERMEDIATE DIAPHRAGM



END DIAPHRAGM













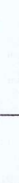












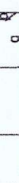
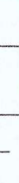




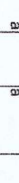

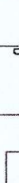


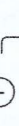












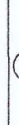













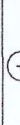
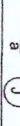





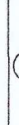













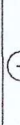
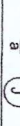





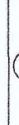













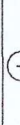
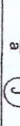





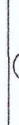













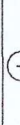
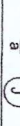





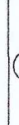













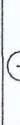
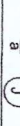





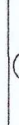








SECTION



SECTION

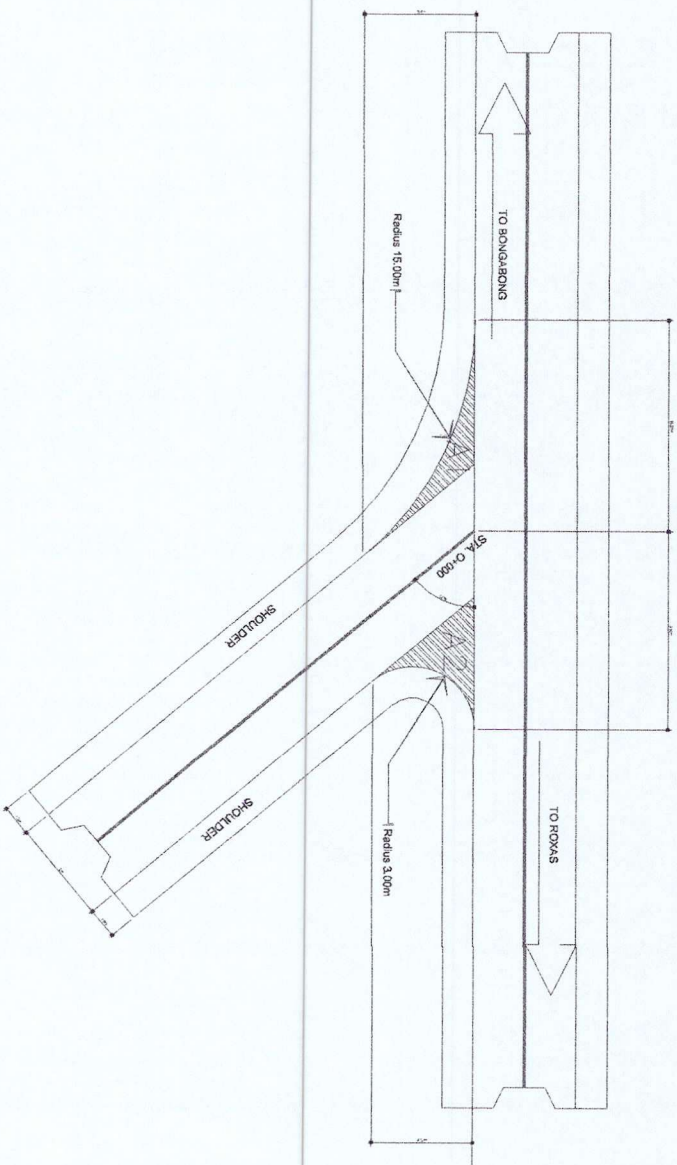
BAR BENDING DIAGRAM

 J	 K	 L	 M	 N	 O	 P	 Q	 R	 S	 T	 U	 V	 W	 X	 Y	 Z	 AA	 AB	 AC	 AD	 AE	 AF	 AG	 AH	 AI	 AJ	 AK	 AL	 AM	 AN	 AO	 AP	 AQ	 AR	 AS	 AT	 AU	 AV	 AW	 AX	 AY	 AZ	 BA	 BB	 BC	 BD	 BE	 BF	 BG	 BH	 BI	 BJ	 BK	 BL	 BM	 BN	 BO	 BP	 BQ	 BR	 BS	 BT	 BU	 BV	 BW	 BX	 BY	 BZ	 CA	 CB	 CC	 CD	 CE	 CF	 CG	 CH	 CI	 CJ	 CK	 CL	 CM	 CN	 CO	 CP	 CQ	 CR	 CS	 CT	 CU	 CV	 CW	 CX	 CY	 CZ	 DA	 DB	 DC	 DD	 DE	 DF	 DG	 DH	 DI	 DJ	 DK	 DL	 DM	 DN	 DO	 DP	 DQ	 DR	 DS	 DT	 DU	 DV	 DW	 DX	 DY	 DZ	 EA	 EB	 EC	 ED	 EE	 EF	 EG	 EH	 EI	 EJ	 EK	 EL	 EM	 EN	 EO	 EP	 EQ	 ER	 ES	 ET	 EU	 EV	 EW	 EX	 EY	 EZ	 FA	 FB	 FC	 FD	 FE	 FF	 FG	 FH	 FI	 FJ	 FK	 FL	 FM	 FN	
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BAR SCHEDULE AND ESTIMATED QUANTITIES

NOTE: ALL QUANTITIES SHALL BE VERIFIED DURING CONSTRUCTION.

	SP ID Number: PRD-IR-R04B-QRM-007-BON-007-2019	Checked by: JOSE VINCENT C. GALERA, C.E.	Recommended by: OLIVIA C. TORONEL, C.E., ENP.	Approved by: GREGORIO REYES, ENP.	Approved by: REGIO M. MANTUAN, O.D.	Sheet No. 53/55
Philippine Rural Development Project	Project Title: Concessing of Centro - Panlutan - Balile, Hagan Farm to Market Road	Location: Hagan, Bongabong Oriental Mindoro	Checked by: JOSE VINCENT C. GALERA, C.E.	Recommended by: OLIVIA C. TORONEL, C.E., ENP.	Approved by: GREGORIO REYES, ENP.	Approved by: REGIO M. MANTUAN, O.D.
Municipality of Bongabong						



SCHEDULE OF REFLECTORIZED THERMOPLASTIC PAVEMENT MARKINGS (WHITE)

STATION	FROM	TO	LENGTH (m)	AREA (sqm.)
Bongabong (Sta. Center) to Bongabong (Sta. Center)	Sta. 0+00	Sta. 7+450	3,870.00	256.04
TOTAL				691.33

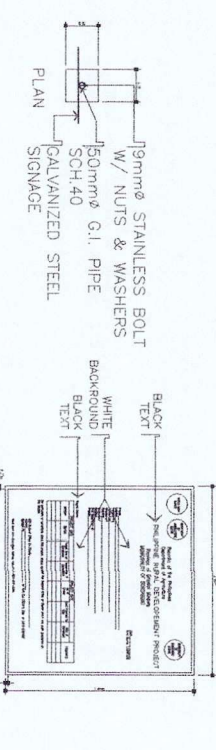
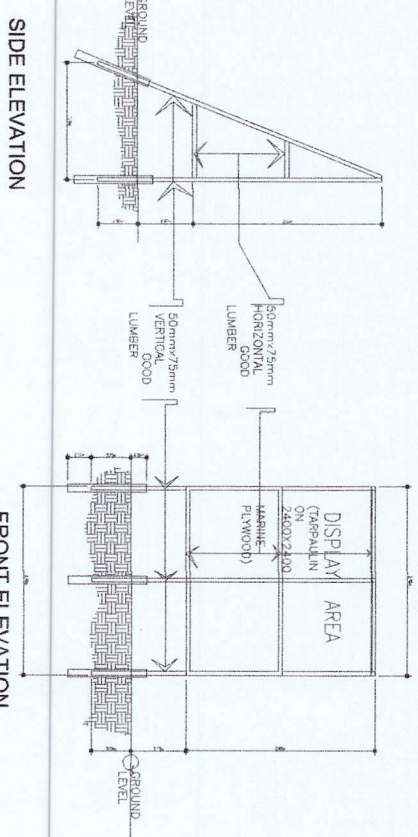
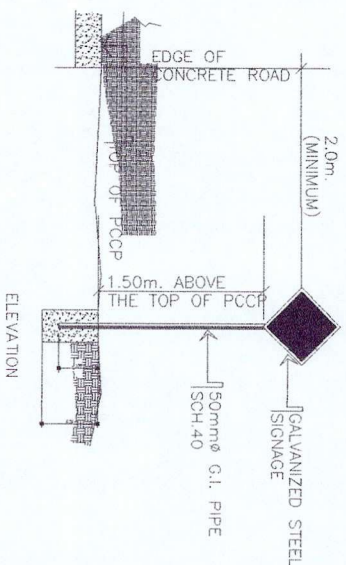
SCHEDULE OF ROAD SIGNS

STATION	DESCRIPTION	QUANTITY (ea)
Sta. 0+030.85	G1-4(a)	1
Sta. 10+150.15	W6-1P	1
Sta. 10+350.85	W6-1P	1
Sta. 10+350.15	G1-4(b)	1
TOTAL		4

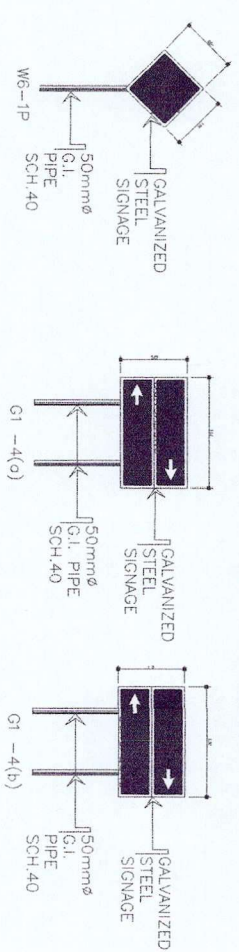
SCHEDULE OF INTERSECTION

STATION	LOCATION	AREA (sqm.)
Sta. 0+030.85	A1	6.89
Sta. 10+150.15	A2	5.14
Sta. 10+350.85	A3	15.43
TOTAL		27.46

SIDE PLAN



TARPAULIN DETAILS (DISPLAY)



PAVEMENT MARKINGS

SCALE 1:20 MTS



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



SP ID Number: PADD-IR-0048-ORW-007-BON-007-2015
Project Title: Concreting of Centro - Panlisan - Balite, Hagan Farm to Market Road
Location: Hagan, Bongabong Oriental Mindoro

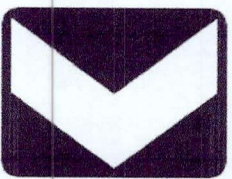
Prepared by: JOSE VINCENT C. GALICIA, C.E.
Checked by: JOSE VINCENT C. GALICIA, C.E.
Recommended by: GREGORIO S. REYES, ENP
Approved by: GREGORIO A. MALALUAN, O.D.

Project Engineer
Assistant Municipal Engineer
Municipal Planning and Development Coordinator
Municipal Mayor
Municipality of Bongabong

PROJECT BILLBOARD AND PAVEMENT MARKINGS

Sheet No. 54/55

HAZARD MARKER
HM 1A and HM 1B
(illustrated)

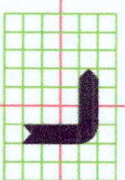
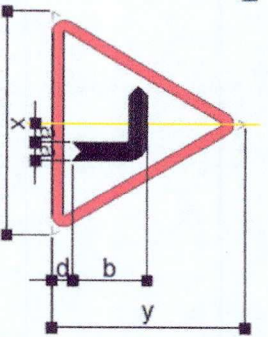


A	B	C	D	E	F
450	600	225	300	20	40
600	800	300	400	28	63

W Series Symbol

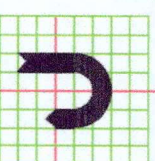
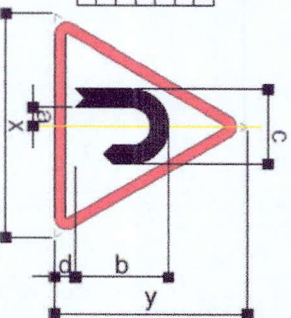
size	B	C	D
X	600	760	600
a	28	35	42
r1	4	5	6
r2	32	40	48

W1-1



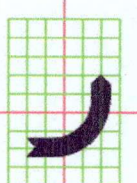
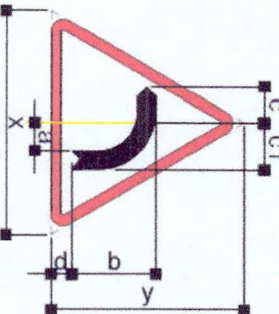
X	600	760
Y	520	660
a	30	60
b	200	240
c	100	120
d	68	70
z	60	62

W1-6



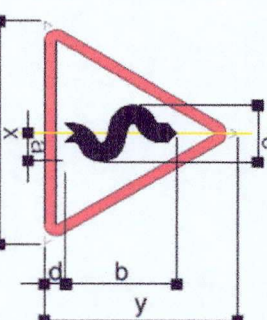
X	600	760
Y	520	660
a	30	112
b	260	312
c	180	226
d	50	62
z	50	62

W1-3



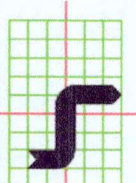
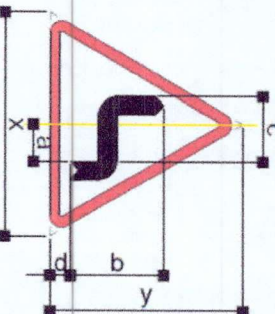
X	600	760
Y	520	660
a	70	88
a1	50	62
b	225	280
c	100	126
c1	120	150
d	66	70
z	50	62

W5-4 and W5-4



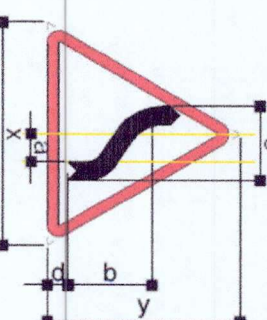
X	600	760
Y	520	660
a	50	62
b	360	437
c	153	190
d	60	62
z	50	62

W1-2



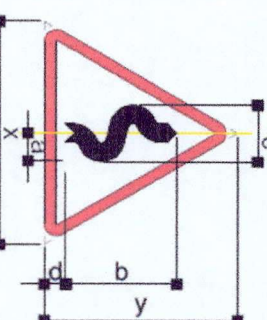
X	600	760
Y	520	660
a	100	120
b	250	310
c	175	220
d	56	70
z	50	62

W1-4



X	600	760
Y	520	660
a	75	94
b	300	375
c	200	250
d	50	62
z	50	62

W1-5



X	600	760
Y	520	660
a	50	62
b	360	437
c	153	190
d	60	62
z	50	62

X	600	760
Y	520	660
a	175	219
b	150	188
c	75	94
d	75	94
z	50	62



Republic of the Philippines
Department of Agriculture
Philippine Rural Development Project
Province of Oriental Mindoro
Municipality of Bongabong



SP ID Number: PRDP-IR-404B-ORMA-407-80X-007-2019
Project Title: Conneling of Centro - Panluran - Balila, Hagan
Farm to Market Road
Location: Hagan, Bongabong Oriental Mindoro

Prepared by:
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Municipal Engineer III

Checked by:
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Municipality of Bongabong

Recommending Approval:
GREGORIO V. REYES, EnP
Municipal Planning and Development Coordinator
Municipality of Bongabong

Approved by:
ERIC R. MALALUAN, O.D.
Municipal Mayor
Municipality of Bongabong

ROAD SIGNAGE

