



PROJECT NAME AND LOCATION:

CROSS SECTION STA. 0+120

SHEET CONTENT:

MARK LEE M. DALANGIN
ENGINEER II JUNEIL RAY M. CHAVEZ

ENGINEER II

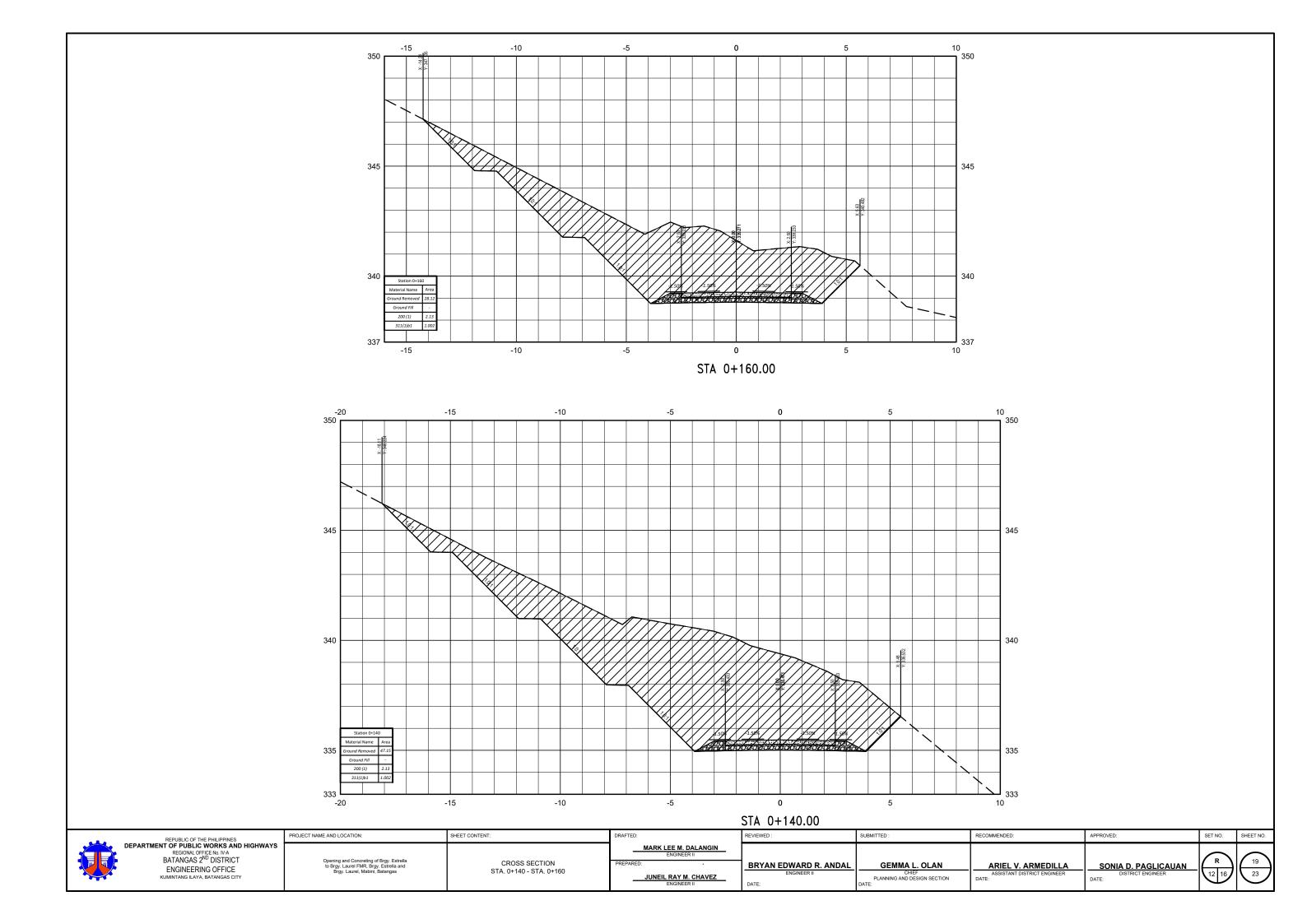
BRYAN EDWARD R. ANDAL

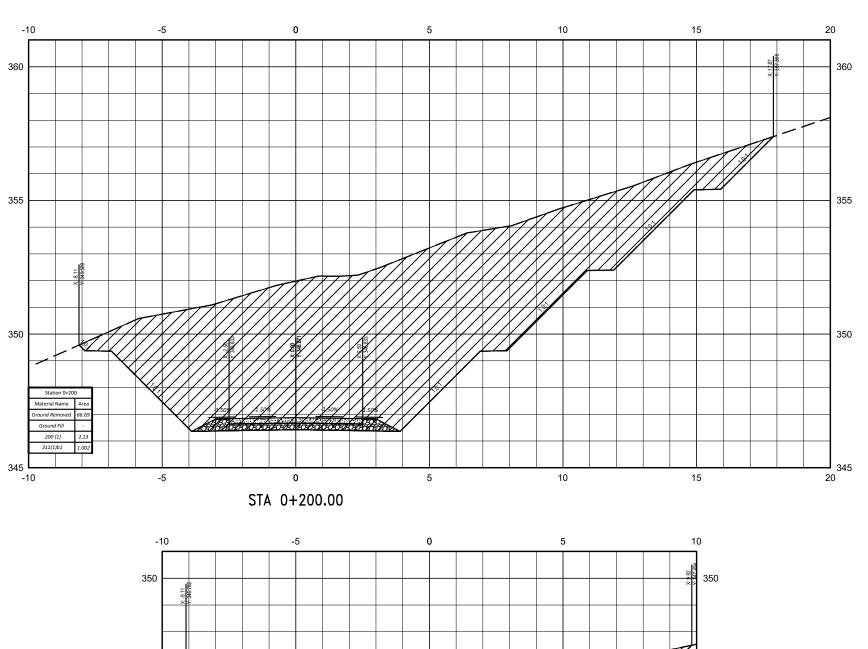
SUBMITTED: RECOMMENDED: APPROVED: GEMMA L. OLAN
CHIEF
PLANNING AND DESIGN SECTION
DATE: ARIEL V. ARMEDILLA

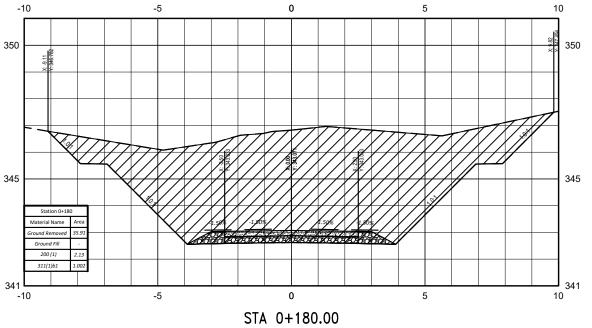
ASSISTANT DISTRICT ENGINEER
DATE:

SONIA D. PAGLICAUAN
DISTRICT ENGINEER DATE:





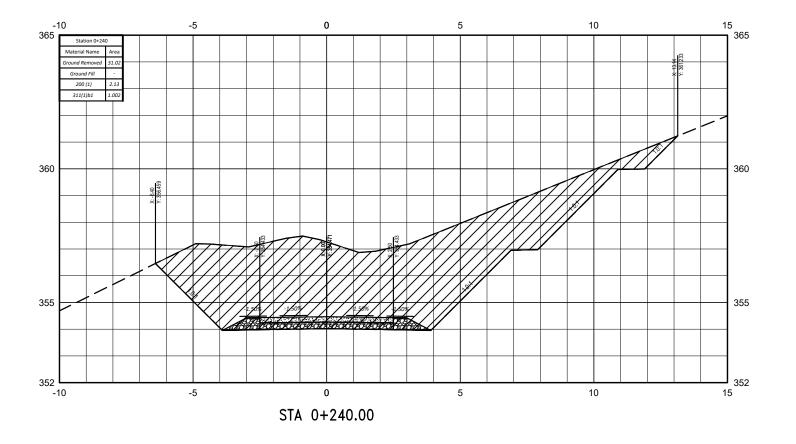


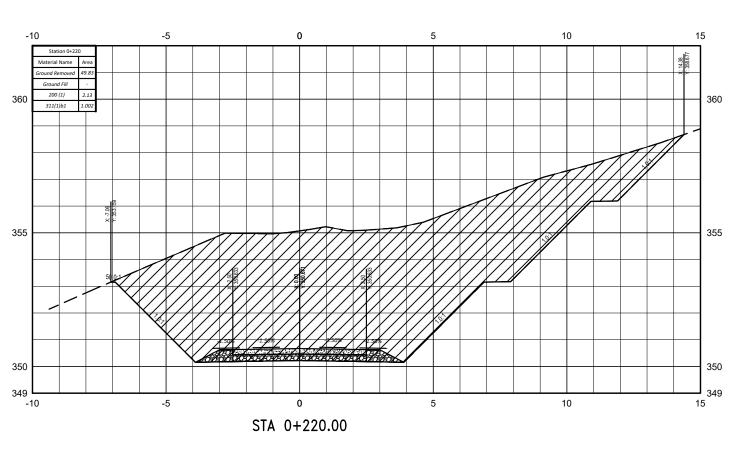




NAME AND LOCATION:	SHEET CONTENT:	DRAFTED:		
		MARK LEE M. DALANGIN ENGINEER II		
Opening and Concreting of Brgy. Estrella to Brgy. Laurel FMR, Brgy. Estrella and Brgy. Laurel, Mabini, Batangas	CROSS SECTION STA. 0+180 - STA. 0+200	PREPARED: JUNEIL RAY M. CHAVEZ		
		ENGINEER II		

REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET N
BRYAN EDWARD R. ANDAL ENGINEER II DATE:	GEMMA L. OLAN CHIEF PLANNING AND DESIGN SECTION DATE:	ARIEL V. ARMEDILLA  ASSISTANT DISTRICT ENGINEER DATE:	SONIA D. PAGLICAUAN  DISTRICT ENGINEER  DATE:	F 13







PROJECT NAME AND LOCATION:

CROSS SECTION STA. 0+220 - STA. 0+240

SHEET CONTENT:

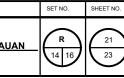
MARK LEE M. DALANGIN
ENGINEER II JUNEIL RAY M. CHAVEZ

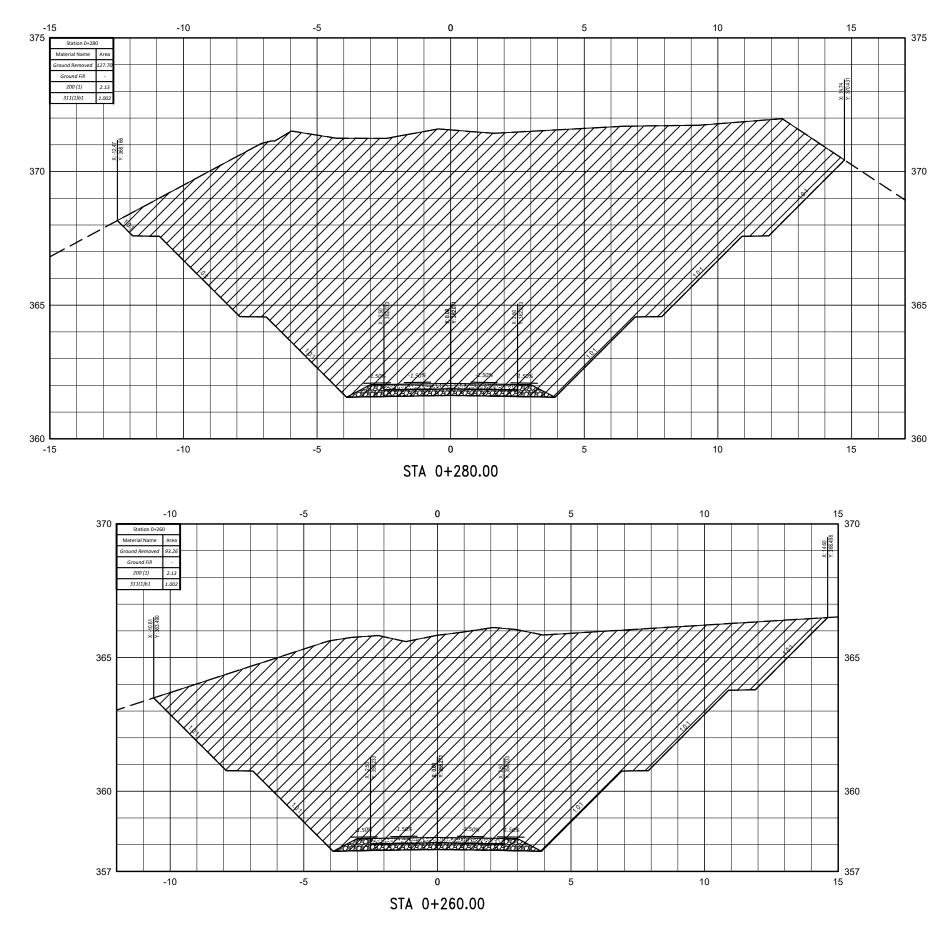
ENGINEER II

BRYAN EDWARD R. ANDAL

SUBMITTED: RECOMMENDED: APPROVED: GEMMA L. OLAN
CHIEF
PLANNING AND DESIGN SECTION
DATE: ARIEL V. ARMEDILLA

ASSISTANT DISTRICT ENGINEER
DATE: SONIA D. PAGLICAUAN DATE:







PROJECT NAME AND LOCATION:

Opening and Concreting of Brgy. Estrella to Brgy. Laurel FMR, Brgy. Estrella and Brgy. Laurel, Mabini, Batangas

CROSS SECTION STA. 0+260 - STA. 0+280

DRAFTED:

MARK LEE M. DALANGIN
ENGINEER II

PREPARED:

JUNEIL RAY M. CHAVEZ
ENGINEER II

REVIEWED: SUBMITTED: RECOMMENDED: APPROVED:

BRYAN EDWARD R. ANDAL
ENGINEER II
DATE: SUBMITTED: RECOMMENDED: APPROVED:

ARIEL V. ARMEDILLA
ASSISTANT DISTRICT ENGINEER
DATE: DATE:

APPROVED:

APPROVE

# SCHEDULE OF SUBGRADE PREPARATION

STA	TION	LENGTH	WIDTH
STA 0+000.00	STA 0+280.00	280.00	7.80

# SCHEDULE OF AGGREGATE SUBBASE COURSE

STA	TION	LENGTH	AREA
STA 0+000.00	STA 0+280.00	280.00	2.13

# SCHEDULE OF PORTLAND CEMENT CONCRETE PAVEMENT (UNREINFORCED), 0.20 M THICK, 14 DAYS

STA	TION	LENGTH	WIDTH
STA 0+000.00	STA 0+280.00	280.00	5.00

# ITEM 506 (1) - STONE MASONRY

STA	TION	LENGTH	AREA
STA 0+005.00	STA 0+025.00	20.00	3.85

STA	TION	LENGTH	AREA	NO. OF PAR
STA 0+005.00	STA 0+025.00	20.00	0.73	14.00

#### SCHEDULE OF CUT AND FILL

FILL						
STA <sup>*</sup>	TION	LENGTH	AREA 1	AREA 2	VOL	
STA 0+000.00	STA 0+020.00	20.00	0.01	-	0.07	
STA 0+020.00	STA 0+040.00	20.00		-		
STA 0+040.00	STA 0+060.00	20.00	-	-		
STA 0+060.00	STA 0+080.00	20.00	=	=	DHI.	
STA 0+080.00	STA 0+100.00	20.00	=	=	DHI.	
STA 0+100.00	STA 0+120.00	20.00	-	-	-	
STA 0+120.00	STA 0+140.00	20.00	-	-	-	
STA 0+140.00	STA 0+160.00	20.00	-	-	-	
STA 0+160.00	STA 0+180.00	20.00	-	-	-	
STA 0+180.00	STA 0+200.00	20.00	-	-		
STA 0+200.00	STA 0+220.00	20.00	-	-	-	
STA 0+220.00	STA 0+240.00	20.00	-	-		
STA 0+240.00	STA 0+260.00	20.00	-	-	181	
STA 0+260.00	STA 0+280.00	20.00	-	-		

CUT							
STA	TION	LENGTH	AREA 1	AREA 2	VOL		
STA 0+000.00	STA 0+020.00	20.00	5.12	6.11	112.34		
STA 0+020.00	STA 0+040.00	20.00	6.11	4.49	106.07		
STA 0+040.00	STA 0+060.00	20.00	4.49	16.54	210.38		
STA 0+060.00	STA 0+080.00	20.00	16.54	33.02	495.64		
STA 0+080.00	STA 0+100.00	20.00	33.02	33.66	666.79		
STA 0+100.00	STA 0+120.00	20.00	33.66	56.14	897.95		
STA 0+120.00	STA 0+140.00	20.00	56.14	47.15	1,032.83		
STA 0+140.00	STA 0+160.00	20.00	47.15	28.12	752.72		
STA 0+160.00	STA 0+180.00	20.00	28.12	35.91	640.38		
STA 0+180.00	STA 0+200.00	20.00	35.91	66.69	1,026.00		
STA 0+200.00	STA 0+220.00	20.00	66.69	49.83	1,165.17		
STA 0+220.00	STA 0+240.00	20.00	49.83	31.02	808.50		
STA 0+240.00	STA 0+260.00	20.00	31.02	93.26	1,242.79		
STA 0+260.00	STA 0+280.00	20.00	93.26	127.70	2,209.62		

#### TABLE OF HORIZONTAL GEOMETRY

					_											
PINO.	PI STATION	COORD	INATES	AZIMUTH	DISTANCE	Included Angle	RADIUS	MID ORDINATE	EXTERNAL TANGENT	SECANT SECANT	CHORD LENGTH	CHORD DIRECTION	STATION OF PC	STATION OF PT	Lc (m)	D
		EASTING	NORTHING				(m)	(m)	(m)	(m)	(m)	DIRECTION				
POT				356d14'49"	6.25											
1	0+006.25m	(489529.6705m,	1518113.3206m)	31d10'13"	33.63	145.0768 (d)	16.348m	0.753	5. 142m	0.790m	9.811m	S13° 42 31"W	0+001.10m	0+011.07m	9.964m	34.9232 (d)
2	0+039.56m		1518084.5438m)	67d3'47"	106.99	144. 1071 (d)	50.000m	2.433	16.194m	2.557m	30.813m	S49° 07 00"W	0+023.36m	0+054.69m	31.322m	35.8929 (d)
3	0+145.48m	(489413.7352m,	1518042.8490m)	96d45'44"	76.28	150.3007 (d)	80.000m	2.672	21.211m	2.764m	41.005m	S81° 54 46"W	0+124.27m	0+165.74m	41.468m	29.6993 (d)
4	0+220.80m		1518051.8305m)	305d7'21"	70.5	28.3602 (d)	13.000m	9.815	51.451m	40.068m	25.208m	S20° 56' 33"W	0+169.35m	0+203.76m	34.406m	151.6398 (d)
5	0+222.81m	(489395,6531m.	1518011.2703m)	296d10'37"	89.32	171.0546 (d)	120.000m	0.365	9.387m	0.367m	18.716m	S 59° 21' 01"F	0+213,42m	0+232, 15m	18.735m	8.9454 (d)

#### TABLE OF VERTICAL GEOMETRY

No.	PVI Station	PVI Elevation	Grade In	Grade Out	A (Grade Change)	Profile Curve Type	Profile Curve Length	K Value	Curve Radius
1	0+000.00m	312.471m		13.00%					
2	0+060.00m	320.271m	13.00%	19.00%	6.00%	Sag	95.779m	15.963	1596.316m
З	0+360.00m	377.271m	19.00%	10.91%	8.09%	Crest	150.000m	18.546	1854.573m
4	0+609.49m	404.495m	10.91%						

 REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. IV-A
BATANGAS 2 <sup>ND</sup> DISTRICT
ENGINEERING OFFICE
KUMINTANG ILAYA, BATANGAS CITY

PROJECT NAME AND LOCATION:

CROSS SECTION STA. 0+260 - STA. 0+280

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