Engineer's Summary of Infrastructure Cost

Name of Project: Mar Bella Sec. 13B - Water, Sanitary Sewer & Drainage Facilities and Paving Improvements

Owner of Project:	Taylor Morrison
Owner's Address:	5353 W. Sam Houston Pkwy. North
	Houston, TX 77041
General description of in	frastructure improvements: Construction of water, sanitary sewer and drainage facilities
and paving improvemen	is to serve the section.
Date of Construction Co	mpletion: Final Inspection held
Summary of Costs:	
Municipal Water Sy	stem:
Engineering Se	rvice: \$6,842
Construction:	\$64,145
Municipal Wastewar	er System:
Engineering Se	rvice: \$18,366
Construction:	\$172,171
Municipal Storm Se	ver and Drainage System:
Engineering Se	rvice: \$28,197
Construction:	\$264,333
Municipal Street Imp	rovements:
Engineering Se	rvice: \$34,858
Construction:	\$385,475
Private Street Impro	vement: N/A
Engineering Se	vice:
Construction:	
Private Drainage Im	rovements: N/A
Engineering Se	vice:
Construction:	
I certify that to the best of improvements within the	of my knowledge the above information represents the final costs of Infrastructure project
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Signature and Title	WINGK
Date: 9/16/15	2, P.E, SR PROJ MNGZ

Attachments: spread sheet of final unit quantities and unit costs of construction

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Construction of the Water, Sanitary Sewer & Drainage Facilities to Serve Mar Bella Section 13-B B Job No. 0074-0546D (11.2)

ITEM DESCRIPTION	UNIT	CONTRACT UNIT COST	COMPLETE TOTAL QTY. TOT TO DATE TO	TOTAL AMT. TO DATE
10. TRENCH SAFETY SYSTEM, ALL DEPTHS, COMPLETE IN PLACE	ፍ	\$0.40	2065	\$826.00
11. CORE INTO EXISTING SANITARY SEWER MANHOLE AND CONNECT SANITARY SEWER, COMPLETE IN PLACE	m M	\$1,033.00	-	\$1,033.00
12. SANITARY SEWER PLUG (ALL SIZES AND DEPTHS), COMPLETE IN PLACE	Ţ,	\$71.00	_	\$71.00
13. ADJUST EXISTING SANITARY SEWER MANHOLE, BY EITHER CONE OR RING, 3* ABOVE FINISHED GRADE, COMPLETE IN PLACE	Ä	\$326.00	N	\$652.00
14. REMOVE AND DISPOSE EXISTING SANITARY SEWER PLUG (ALL SIZES) AND CONNECT SANITARY SEWER, COMPLETE IN PLACE	Ä	\$22.00		\$22.00
SUBTOTAL SANITARY SEWER ITEMS				\$161,810.10
STORM SEWER ITEMS				
1. 24" RCP STORM SEWER, ASTM C-75, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	F	\$67.00	961	\$64,387.00
2. 30" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	ቭ	\$96.00	9	\$5,856.00
3. 36" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	Fi	\$117.00	357	\$41,769.00
4. 54" RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	ቭ	\$306.00	14	\$4,284.00
5. 80° RCP STORM SEWER, ASTM C-76, CLASS III, ALL DEPTHS, COMPLETE IN PLACE	H	\$280.00	128	\$35,840.00
6. TYPE "C" MANHOLE FOR 42" STORM SEWERS AND SMALLER, COMPLETE IN PLACE	T T	\$2,823.00	=	\$31,053.00
7. TYPE "C" MANHOLE FOR 48" STORM SEWERS AND LARGER, COMPLETE IN PLACE	E	\$10,143.00	ю	\$20,286.00
8. STAGE I - STANDARD 5' PRECAST INLET ("H-2"), ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	Œ	\$1,588.00	œ	\$12,704.00
9. STAGE II - STANDARD 5' PRECAST INLET ("H-2"), COMPLETE IN PLACE	Ā	\$1,240.00	œ	\$9,920.00
10. STAGE I - STANDARD 10' CURB INLET, ALL DEPTHS, INCLUDES TEMPORARY SILT BARRIER FENCE FOR STAGE I INLETS, COMPLETE IN PLACE	9	\$3,467.00	4	\$13,868.00
11. STAGE II - STANDARD 10' CURB INLET, COMPLETE IN PLACE	Ţ.	\$1,390.00	4	\$5,580.00
12. T.V. INSPECTION FOR STORM SEWER, PER CITY OF LEAGUE CITY REQUIREMENTS, COMPLETE IN PLACE	ቭ	\$2.00	1521	\$3,042.00
13. TRENCH SAFETY, (ALL DEPTHS), COMPLETE IN PLACE	5	\$0.40	1521	\$608.40
14. REMOVE & DISPOSE EXIST 8" THICK BRICK PLUG AND CONNECT PROPOSED STORM SEWER (ALL SIZES), COMPLETE IN PLACE	TA M	\$808.00	N	\$1,616.00

Construction of the Water, Sanitary Sewer & Drainage Facilities to Serve Mar Bella Section 13-B
B Job No. 0074-0546D (11.2)

		CONTRACT	COMP	N FIF
ITEM DESCRIPTION	UNIT	UNIT COST	TOTAL GTY.	Y. TOTAL AMT. TO DATE
15. ADJUST EXISTING STORM SEWER MANHOLE, BY EITHER CONE OR RING, 3" ABOVE FINISHED GRADE, COMPLETE IN PLACE	\$	\$167.00	N	\$334.00
16. "V" BOTTOM SWALE WITH 3:1 SIDE SLOPES, INCLUDES REPLACEMENT OF ESTABLISHED VEGETATION, COMPLETE IN PLACE	ፍ	\$11.00	210	\$2,310.00
17. 8" THICK BRICK PLUG (ALL SIZES), COMPLETE IN PLACE	\$	\$534.00	-	\$534.00
SUBTOTAL STORM SEWER ITEMS				\$253,971,40
MISCELLANEOUS ITEMS				
1. BEDDING AND BACKFILL FOR WET SAND CONSTRUCTION AND UNSATISFACTORY SOIL CONDITIONS (PER DETAIL) (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	q	\$5.00	a	\$0.00
2. EXTRA CEMENT STABILIZED SAND BACKFILL, (1.5 SACKS PER TON), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	२	\$25.00	0	\$0.00
3. DEWATERING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	Ħ	\$22.50	921	\$20,722.50
4. HYDROMULCH SEEDING FROM BACK OF CURB/EDGE OF PAVEMENT TO R.O.W., (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	ð	\$750.00	0	\$0.00
SUBTOTAL MISCELLANEOUS ITEMS				\$20,722.50
TOTALS TO DATE:				\$500,648.80

Job No. 0074-0546 (14.2)

		CONTRACT	COMP	LETE
ITEM DESCRIPTION	NI C	UNIT COST	TOTAL GTY. TO DATE	Y. TOTAL AMT. TO DATE
PAVING IMPROVEMENT ITEMS				
1. ROADWAY EXCAVATION, COMPLETE IN PLACE	ठ	\$3.75	5500	\$20,625.00
2. ROADWAY FILL, COMPLETE IN PLACE	Q	\$3.75	139	\$521.25
3. HYDRATED LIME FOR STABILIED SUB-GRADE, (6% LIME BY WEIGHT) AS REQUIERED BY SOIL CONDITIONS AND APPROVED BY ENGINEER, COMPLETE IN PLACE	NOT	\$190.00	102	\$19,380.00
4. 5° LIME STABILIZED SUB-GRADE (MANIPULATION), COMPLETE IN PLACE	SY	\$3.00	6788	\$20,364.00
S. 6° REINFORCED CONCRETE PAVEMENT, COMPLETE IN PLACE	SY	\$43.50	6036	\$262,566.00
6. 6° REINFORCED CONCRETE CURB, COMPLETE IN PLACE	ፍ	\$2.60	462	\$1,201.20
7. 4° X 12" REINFORCED CONCRETE CURB, COMPLETE IN PLACE	ፍ	\$2.60	2888	\$7,508.80
8. STANDARD PAVING HEADER, COMPLETE IN PLACE	ፍ	\$20.00	28	\$560.00
PERMANENT TRAFFIC CONTROL DEVICES (INCLUDING ALL TRAFFIC BUTTONS, PAVEMENT STRIPING, STREET SIGNS, TRAFFIC SIGNS, AND REMOVAL OF EXISTING STRIPING), COMPLETE IN PLACE	8	\$5,000.00	-	\$5,000.00
10. TEMPORARY TRAFFIC CONTROL DEVICES, COMPLETE IN PLACE	2	\$3,500.00	_	\$3,500.00
11. LOT AND R.O.W. GRADING, INCLUDING MANIPULATION AND COMPACTION OF EXISTING FILL TO REQUIRED ELEVATIONS AS SHOWN ON LOT GRADING PLAN, COMPLETE IN PLACE	8	\$9,900.00		\$9,900.00
12. S' SIDEWALK (PER DETAIL IN CONSTRUCTION PLANS), COMPLETE IN PLACE	5	\$38.00	698	\$26,524.00
13. WHEELCHAIR RAMPS AND 5' X 5' LANDING PAD (AS SHOWN ON PAVEMENT DETAIL SHEETS), COMPLETE IN PLACE	₽	\$1,250.00	4	\$5,000.00
14. REMOVE AND RELOCATE EXISTING TYPE III BARRICADE, COMPLETE IN PLACE	m	\$500.00		\$500.00
15. FUIL DEPTH SAWCUT AND REMOVE CONCRETE CURB, COMPLETE IN PLACE	ፍ	\$25.00	8	\$2,325.00
SUBTOTAL PAVING IMPROVEMENT ITEMS				\$385,475.25
MISCELLANEOUS TIEMS 1. STRIPPING (ALL STRIPPING TO BE APPLIED ON SITE AFTER THE FINAL GRADE) (TO BE	ð	\$300.00	0	\$0.00
	NO	28	o	5
SOILS CONDITIONS AND APPROVED BY ENGINEER, COMPLETE IN PLACE	2	\$190.00	o	\$0.00
3. 6" LIME STABILIZED SUB-GRADE (MANIPULATION), COMPLETE IN PLACE	SY	83.00	0	\$0.00
SUBTOTAL MISCELLANEOUS ITEMS				\$0.00
TOTALS TO DATE:				\$385,475.25