







Tempe Unified School District

Frank Elementary School

June 22, 2018

DIV	DESCRIPTION	ADJWAYS ON-SITE	ADJWAYS OFF-SITE	TOTAL
1A	Survey & Layout	1,910	4,310	6,220
1B	Materials Testing and Special Inspections	1,000	500	1,500
2A	Demolition	80,862	6,430	87,292
3A	Concrete	45,289	70,240	115,529
31A	Earthwork	111,631	89,123	200,753
33A	Site Utilities		127,571	127,571
	Project Requirements	3,290	2,193	5,483
	General Conditions	16,605	11,070	27,675
	Materials Escalation Contingency	1,427	1,706	3,133
	City Review Contingency	2,347	2,805	5,152
	Contractor Contingency	7,929	9,476	17,405
	Insurance, Bldr Risk, Bonds	7,770	9,286	17,057
	Gross Receipts Tax	21,233	25,377	46,610
	Contractor Fee	15,857	18,952	34,809
	TOTAL CONSTRUCTION COSTS:	317,150	379,039	696,188







Adjacent Ways

Exhibit A.1 - Estimate Detail Tempe Unified School District Frank Elementary School June 22, 2018

Storm Drain

June 22						
DIV	DESCRIPTION	ADJWAYS OFF-SITE QUANTITY	ADJWAYS ON-SITE QUANTITY	UNIT	TOTAL COST	DIVISION SUM
1B	Survey & Layout					
	Site Survey					
	Offsite Survey	1	1	LS	3,820	
	Misc. Survey					
	Locating Services	1		LS	2,400	
	Total Survey & Layout					6,220
1B	Materials Testing and Special Inspections					
	Testing and Materials					
	Testing and Materials	500	1,000	LS	1,500	
						1,500
2A	Demolition					
	Site Demolition					
	Demolition of existing for new fire lane & off-site improvements	6,430	80,862	LS	87,292	07.000
	Total Demolition					87,292
3A	Concrete					
0, (Site Concrete					
	Vertical Curb Transition A to type C	24		LF	528	
	Install Concrete Single Curb (MAG STD. No. 222 Type A)	320	1,022	LF	20,291	
	Concrete Vertical curb and gutter (MAG No. 220-1 Type A)	96	1,081	LF	25,894	
	Truncated Dome's at ADA Ramp premium	80		SF	640	
	MAG Standard drives	2,137		SF	17,096	
	Speed Bumps		1	EA	1,500	
	Cross Walk Speed Table		506	SF	4,554	
	Sidewalk Ramp, Type A	2,589		SF	13,874	
	Concrete Spillway	4		EA	30,000	
	Misc. Concrete Grouted Rip Rap	96		SF	1,152	
	Total Concrete	90		OF .	1,132	115,529
	Total College					110,020
31A	Earthwork					
	<u>Grading</u>					
	Mobilization, Mass Grading	1	1	EA	7,186	
	Mass Grading		4,320	SY	14,125	
	Fine Grading	5,805	31,275	SF	9,085	
	Asphalt Pavement					
	Mobilization, Asphalt Pavement	1	1	EA	5,389	
	Install Asphaltic concrete pavement (3" A.C. (3/4") over 7" A.B.C)	CAE	3,475	SY SY	80,794	
	Asphalt Patch, Off-Site <u>Striping & Signage</u>	645		51	58,050	
	Fire Lane, Curb Paint	170	2,108	LF	2,506	
	Directional Arrows	2	6	EA	591	
	Misc. Earthwork		-			
	Traffic Control, Barricades	8		Weeks	13,440	
	Dust Control, Water Truck Driver	32		Hours	960	
	SWPPP Establishment	1		Acres	1,183	
	SWPPP Maintenance	1		Months	174	
	Street Sweeping	8		Weeks	5,760	
	Construction Water	4,320		SY	1,512	
	Total Earthwork					200,753
33A	Site Utilities					
33A	Fire				 	
	Tapping Sleeve, Valve Box, & Cover	1		EA	10,949	
	Water - 6" Gate valve w/ box, cover, chain	3		EA	20,171	
	Fire Line, DIP 8", plates, align, tie in, t's, backfill, traffic	90		LF	29,413	
	Vert. Re-align fire line to go beneath existing storm MAG370	4		LS	40,000	
	Domestic Water					
	Domestic Water Service w/Meter Box & Cover, 1/2"	1		EA	1,250	
	Domestic Water Service w/Meter Box & Cover, 2"	2		EA	5,260	
	Install water line with extra protection	39		LF	312	
	Inspect and Protect existing lines	31		LF	186	
	Domestic Water Line, 2"	62		LF	2,356	
	<u>Sewer</u> Sewer Tap & Sleeve, 8"	1		EA	3,083	
	Sewer Line, 8" pvc	28		LF	1,170	
	Core drill into existing sewer manhole, remove and reform	1		LF	2,500	
	Storm Drain				2,000	





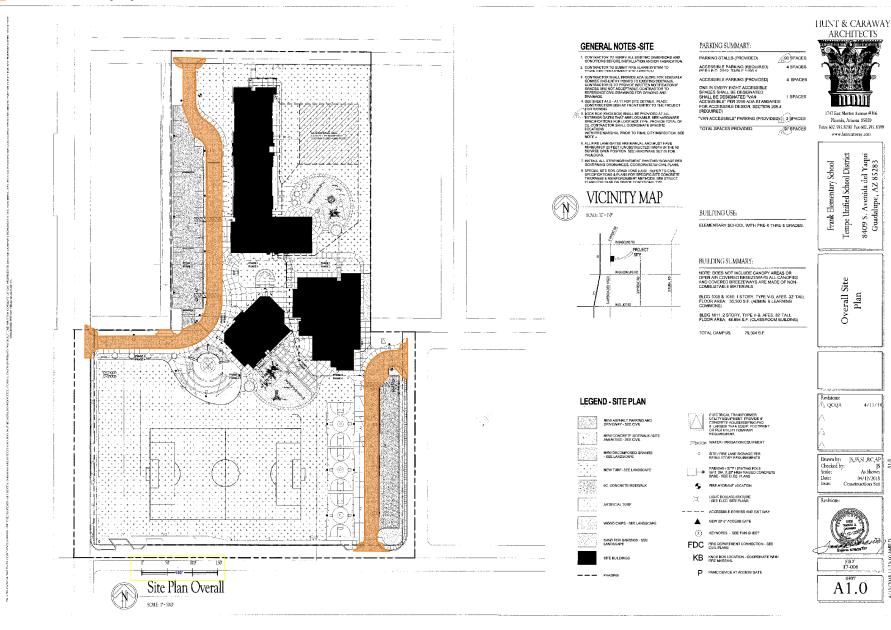


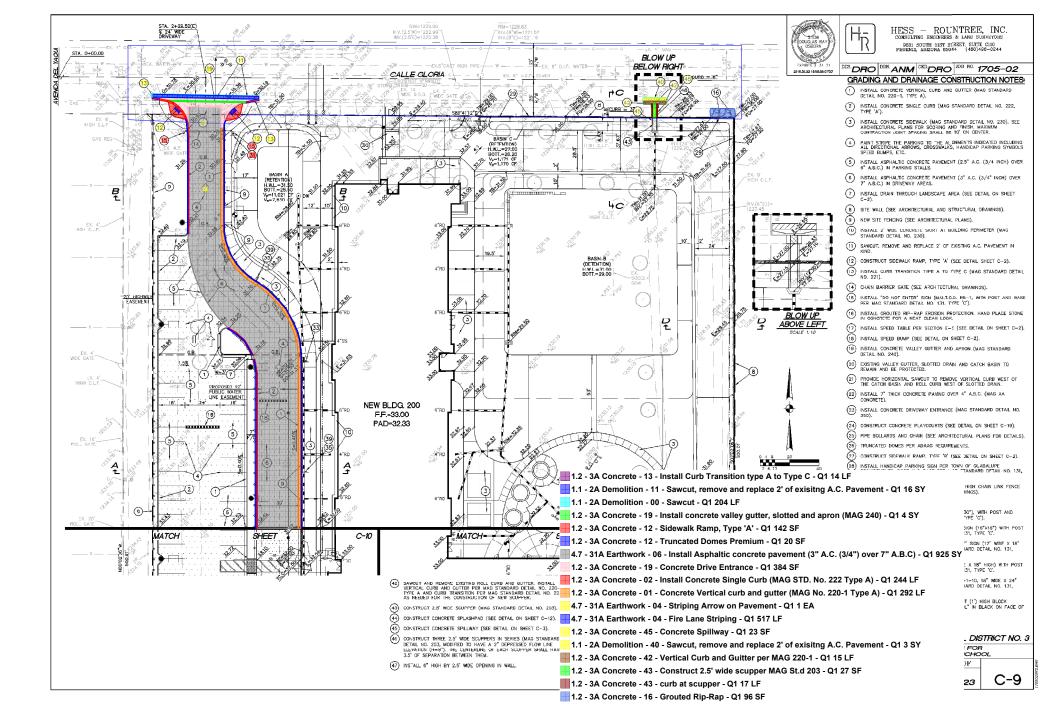


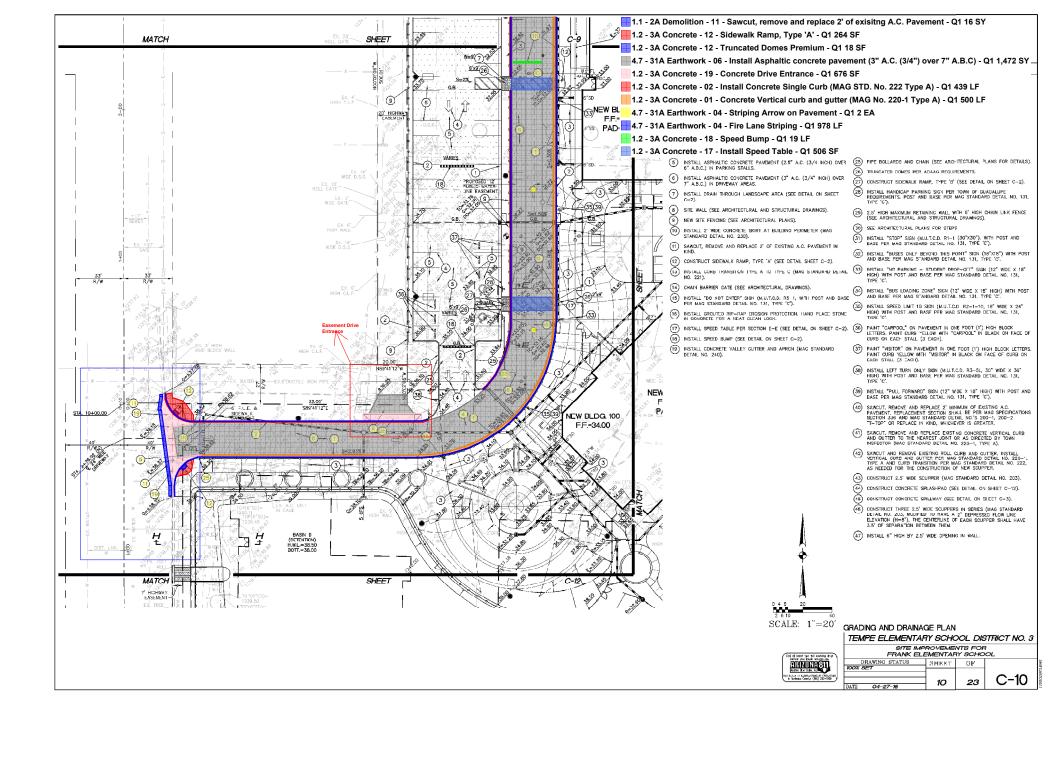
Adjacent Ways

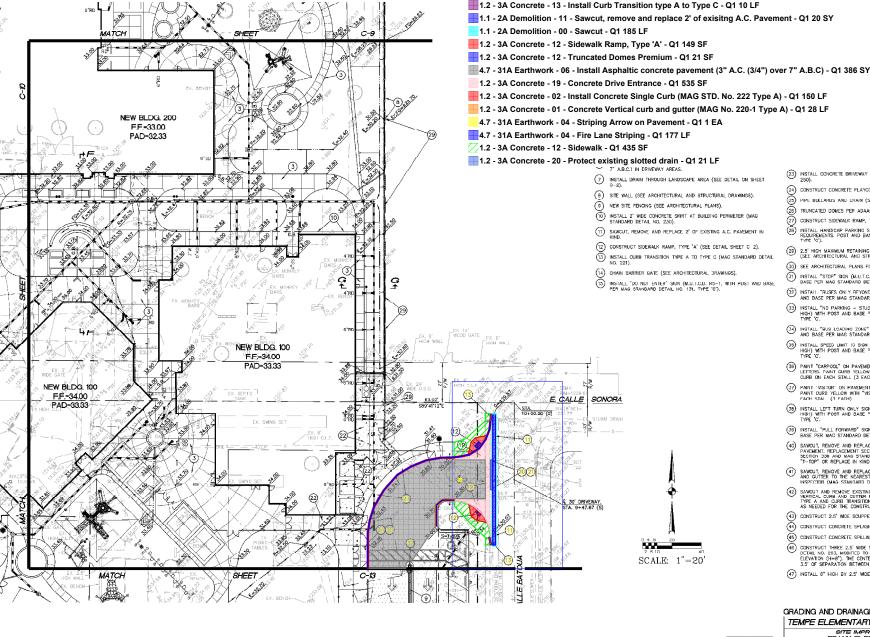
Exhibit A.1 - Estimate Detail Tempe Unified School District <u>Frank Elementary School</u> June 22, 2018

DIV	DESCRIPTION	ADJWAYS OFF-SITE QUANTITY	ADJWAYS ON-SITE QUANTITY	UNIT	TOTAL COST	DIVISION SUM
	Encase existing storm drain line per MAG404-3	61		LF	7,320	
	Misc Site Utilities					
	Locating Services	24		Hours	3,600	
	Total Site Utilities					127.571









ROUNTREE, INC. H 51ST STREET, SUITE C110 ZONA 85044 (480)496-0244

DRO JOB NO. 1705-02

3SION PROTECTION, HAND PLACE STONE AN LOOK.

TION E-E (SEE DETAIL ON SHEET C-2)

ALL ON SHEET C-2).

TER AND APRON (MAG STANDARD

TED DRAIN AND CATCH BASIN TO

TO REMOVE VERTICAL CURB WEST OF URB WEST OF SLOTTED DRAIN. AVING OVER 4" A.B.C. (MAG AA

- (23) INSTALL CONCRETE DRIVEWAY ENTRANCE (MAG STANDARD DETAIL NO. 250).
- (24) CONSTRUCT CONCRETE PLAYCOURTS (SEE DETAIL ON SHEET C-19).
- (25) PIPE BULLARUS AND CHAIN (SEE ARCHITECTURAL PLANS FOR DETAILS).
- (26) TRUNCATED DOMES PER ADAAG REQUIREMENTS.
- (27) CONSTRUCT SIDEWALK RAMP, TYPE 'B' (SEE DETAIL ON SHEET C-2).
- (28) INSTALL HANDICAP PARKING SIGN PER TOWN OF GUADALUPE REQUIREMENTS. POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPIC 'G').
- (30) SEE ARCHITECTURAL PLANS FOR STEPS.
- (31) INSTALL "STOP" SIGN (M.U.T.C.D. R1-1 (30"X30"), WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C').
- (32) INSTALL "BUSES ONLY BEYOND THIS POINT" SIGN (18"X18") WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'
- (33) INSTALL "NO PARKING STUDENT DROP-OFF" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE FER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
- (34) INSTALL "BUS LOADING ZONE" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
- (33) INSTALL SPEED LIMIT 10 SIGN (M.U.T.C.D. R2-1-10, 18" WIDE X 24" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
- (36) PAINT "CARPOOL" ON PAVEMENT IN ONE FOOT (1') HIGH BLOCK LETTERS, PAINT CURB VELLOW WITH "CARPOOL" IN BLACK ON FACE OF CURB ON EACH STALL (3 EACH).
- (37) PAINT "VISITOR" ON PAVEMENT IN DNE FOOT (1') HIGH BLOCK LETTERS.
 PAINT CURB YELLOW WITH "VISITOR" IN BLACK ON FACE OF CURB ON FACH STAIL (3 FACH).
- (38) INSTALL LEFT TURN ONLY SIGN (M.U.T.C.D. R3-5L, 30" WIDE X 38" HIGH) WITH POST AND DASE "ER MAG STANDARD DETAIL NO. 131, TYPE 'C'.
- (39) INSTALL "PULL FORWARD" SIGN (12" WIDE X 18" HIGH) WITH POST AND BASE PER MAG STANDARD DETAIL NO. 131, TYPE 'C').
- (40) SAWOUT, REMOVE AND REPLACE 2' MINIMUM OF EXISTING A.C. PAVEMENT. REPLACEMENT SECTION SHALL BE PER MAG SPECIFICATIONS SECTION 398 AND MAG STANDAYD DETAIL NO.S 200-1, 200-2 "T-TOP" OR REPLACE IN KIND, WHICHEVER IS OREATER.
- (4) SAWOUT, REMOVE AND REPLACE EXISTING CONCRETE VERTICAL CURB AND GUTTER TO THE NEAREST JOINT OR AS DIRECTED BY TOWN INSPECTOR (MAG STANDARD DETAIL NO. 220-1, TYPE A).
- (2) SAWCUT AND REMOVE EXISTING ROLL CURB AND GUTTER, INSTALL, WERTICAL CURB AND CUTTER PER MAC STANDARD DETAIL NO. 220-1, TYPE A AND CURB THANSITION PER MAG STANDARD DETAIL NO. 222, AS NEEDED FOR THE CONSTRUCTION OF NEW SCUPPER.
- (43) CONSTRUCT 2.5' WIDE SCUPPER (MAG STANDARD DETAIL NO. 203).
- (44) CONSTRUCT CONCRETE SPLASHPAD (SEE DETAIL ON SHEET C-12).
- (45) CONSTRUCT CONCRETE SPILLWAY (SEE DETAIL ON SHEET C-3).
- (48) CONSTRUCT THREE 2.5' WIDE SCUPPERS IN SERIES (MAG STANDARD DETAIL NO. 203, MODIFIED TO HAVE A 2" DEPRESSED FLOW LINE ELEVATION (H=8"). THE CENTERLINE OF EACH SCUPPER SHALL HAVE 3.5' OF SEPARATION BETWEEN THEM.
- (47) INSTALL 6" HIGH BY 2.5' WIDE OPENING IN WALL

GRADING AND DRAINAGE PLAN

ARIZONA STI

TEMPE ELEMENTARY SCHOOL DISTRICT NO. 3

SITE IMPROVEMENTS FOR FRANK ELEMENTARY SCHOOL

DRAWING STATUS SHEET

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C-11

