

ADDENDUM NO. 2

January 24, 2019

**To the Contract Documents for the
Willow Cove Elementary School
Fire Lane Paving & Drainage Project**

PROJECT: Willow Cove Elementary School - Fire Lane Paving & Drainage Project

Date: January 24, 2019
1880 Hanlon Way
Pittsburg, CA 94565

**OWNER: Pittsburg Unified School District
2000 Railroad Avenue
Pittsburg, California, 94565**

**DSA File No: N/A
DSA APP. NO.: N/A**

TO ALL BIDDERS:

This Addendum forms a part of the Contract and modifies the Contract Documents. It is intended that all work affected by the following modifications shall conform with related provisions of the Contract Documents, including the original drawings and specifications. Modify the following items wherever appearing in any drawings or sections of the specifications. Acknowledge receipt of all Addenda in the space provided on the Bid Form and Proposal. Failure to do so may subject bidder to disqualification.

CHANGES TO THE SPECIFICATIONS PROJECT MANUAL:

1. Item No. PM-1

Reference: Section 00 21 13.1 – Bidder Information and Forms

Description: Replace the Current Prequalified Contractors' Listing with the attached PUSD – Prequalified Contractors – 2019 listing.

2. Item No. PM-2

Reference: Section 31 12 17 – Sealing Asphalt Paving

Description: Add the attached Spec. Section 31 12 17, Sealing Asphalt Paving, to the Project Manual for this Project. This is the specification for the products to be used to seal coat all existing and new AC Paving in this Project.

CHANGES TO THE DRAWINGS:

NONE

1. Item No. DWG-1

Reference: Sheet C2.3, Grading & Drainage Plan

Description: Add the AC paving work, as shown on the attached Drawing AD01/C2.3, to this Project.

2. **Item No. DWG-2**

Reference: Sheet C3.1, Details

Description: Add the Trench Backfill Detail as shown on the attached Drawing RFI-01, to the Contract Documents Plans for this Project.

PRE-BID RFI'S:

1. **Pre-Bid RFI #2**

Questions: #1) Will there be an addendum requiring us to remove existing asphalt or just overlay on top of it?; #2) There is no trench detail in the Plan Bid Set for the new SDR-35 pipe to be installed for depth and width of trenches.; #3) Is the "slurry" of the existing road at the portables a Caltrans Spec. 37-2 Slurry or a more basic Seal Master "seal coat"?

Answers: #1) No addendum item is to be issued for this, as the direction is to overlay over the top of the existing asphalt; #2) Refer to Item No. DWG-2 under Changes to the Drawings in this Addendum; #3) Refer to Item No. PM-2 under Changes to the Specifications Project Manual in this Addendum.

2. **Pre-Bid RFI #3**

Questions: #1) Sheet C3.1 shows new 3" AC on new 6" AB, but it was discussed at the Pre-Bid that the existing AB will be recompact and reused. Please clarify.; #2) Existing pathway appears to have a lot of asphalt areas. Is it acceptable to grind in place and recompact?

Answers: #1) Refer to the answers to Pre-Bid RFI #1 included in Addendum #1. The direction is to overlay on top of the existing asphalt; #2) Yes, grinding & recompacting of the existing asphalt is acceptable if it is indeed required.

ATTACHMENTS:

- **PUSD – Prequalified Contractors - 2019 (3 Pages)**
- **Spec. Section 31 12 17, Sealing Asphalt Paving (3 Pages)**
- **Drawing AD01-C2.3 (1 Page)**
- **Drawing RFI-01 (1 Page)**

END OF ADDENDUM

PUSD - PREQUALIFIED CONTRACTORS - 2019

Vendor Name	Vendor Type	Type of Work Performed with own forces	Email	ADDRESS	PHONE	License Type	CSLB LICENCE	DIR NUMBER	Bond Capacity
Alten Construction	General Engineering & Building Contractor	Earthwork, Demolition, Concrete, Framing, Rough Carpentry, Masonry	dsachao@altenconstruction.com ; bids@altenconstruction.com	1141 Marina Way South, Richmond, CA 94804	510-234-4200	A, B	705713	1000000530	\$ 75 M Single \$ 200 M Aggregate
Arntz Builders, Inc.	General Engineering & Building Contractor	Demolition, Concrete, Rough & Finish Carpentry	bid@arntzbuilders.com kelsey@arntzbuilders.com	431 Payran St., Petaluma, CA 94952	707-835-2900	A, B	856393	1000003147	\$65 M Single \$80 M Aggregate
Balfour Beatty Construction LLC	General Engineering & Building Contractor	Construction Management & Safety	djchristensen@balfourbeattyus.com	2335 Braodway, Suite 300 Oakland, CA 94612	510-903-2054 p 858-228-7883 c	A, B	979126	1000000529	\$300 M Single \$5.5 B Aggregate
Bay Cities Fire Protection, Inc.	General Building & Specialty Contractor	Fire Protection	bcbfp@sbcalocal.net	51 Foley St., Santa Rosa, CA 95401	707-579-8694 p 707-495-5869 m 707-579-8920 f	C16	731222	1000045613	\$750,000 Single \$2 M Aggregate
Bay City Mechanical Inc	Specialty Contractor	Mechanical, HVAC, Sheet Metal, Plumbing	Helge@baycitymech.com sarahi@baycitymech.com	4124 Lakeside Dr. Richmond, CA. 94806	510-233-7000 p 510-815-1901 m	C-4, C20, C36, C43	645126	1000007529	\$25 M Single \$75 M Aggregate
Bayview Environmental Services, Inc.	General Building & Specialty Contractor	Hazardous Materials Abatement & Removal, Demolition	khenderson@bvdm.com admin@bvdm.com aviramontes@bvdm.com	6925 San Leandro St. Oakland, CA. 94621	510-562-6181 p 510-636-7146 m 510-562-6182 f	ASB, B, C21, C22, HAZ, C22	684341	1000002423	\$15 M Single \$20 M Aggregate
Bell Products, Inc.	General Engineering, Building & Specialty Contractor	Mechanical, HVAC, Sheet Metal, Plumbing	cclark@bellproducts.com	722 Soscol (Mailing P.O. Box 396), Napa, CA 94559	707-255-1811 p 707-266-8782 m	A, B, C-4, C20, C36, C43	171534	1000000656	\$4 M Single \$16 M Aggregate
Best Contracting Services, Inc.	General Engineering, Building & Specialty Contractor	Roofing, Waterproofing, Sheet Metal, Glazing, Wall Panels	estimating@bestcontracting.com	19027 S. Hamilton Avenue, Gardena, CA 90248	310-328-6969 p 310-650-2995 m	A, B, C17, C39, C43	456263	1000000563	\$50 M Single \$200 M Aggregate
BHM Construction Inc.	General Engineering & Building Contractor	Demolition, Masonry, Carpentry	bids@bhmconstruction.com	221 Gateway Road W, Ste. 405, Napa, CA 94558	707-643-4580 p 707-643-4580 m	A, B	900404	1000000064	\$75 M Single \$200 M Aggregate
Bockmon & Woody Electric Co. Inc.	Specialty Contractor	General Electrical, High Voltage, Solar	jenniferd@bockmonwoody.com ; garym@bockmonwoody.com ; arlene@bockmonwoody.com (Per 9/26/18 email always cc Arlene Larsen)	1528 El Pinal Drive Stockton, CA. 95205	209-464-4878 p 209-993-2548 m	C10 Electrical	588306	1000002789	\$5 M Single \$25 M Aggregate
CWS Construction Group, Inc.	Specialty Contractor	Carpentry, Drywall, Finishing, Concrete, Utilities	charliej@cwsconstructiongroup.com	94 San Benito Way, Novato, CA 94945	415-599-5585 p 415-599-6545 m	A, B	811153	1000070287	\$5 M Single \$8 M Aggregate
C. Overaa & Co.	General Engineering & Building Contractor	Demolition, Site Grading & Preparation, Excavation, Concrete, Framing, Rough & Finish Carpentry, Cabinetry & Millwork, Mechanical & Piping	carl@overaa.com	200 Parr Blvd., Richmond, CA 94801	510-234-0926	A, B	106793	1000000871	\$150 M Single \$600 M Aggregate
Central Valley Asphalt	General Engineering	Grading, Excavation, Asphalt, Concrete, Paving, Seal Coating, Striping, Chip Sealing, Tennis Court Resurfacing	chelseacva@oczn.net	23494 Road 196, Lindsay, Ca 93247	559-562-7802 p 559-355-8203 m	A	777434	1000001173	\$4.5 M Single \$10.5 M Aggregate
Collins Electrical Company, Inc.	General Engineering, Building & Specialty Contractor	General Electrical	atorres@collinselectric.com dkalua@collinselectric.com	3412 Metro Drive, Stockton, CA 95215 6761 Sierra Ct., Ste. D Stockton CA 95215	925-392-0134 p 925-392-0134 m	A, B, C10, C31	115427	1000000184	\$100 M Single \$300 M Aggregate
DDK Mechanical, Inc.	General Building & Specialty Contractor	HVAC, Sheet Metal, Plumbing	office1ddk@sbcalocal.net	5761 Florin Perkins Rd., #9, Sacramento, CA 95828	916-383-5190	B, C20, C36, C43	855723	1000002411	\$12 M Single \$20 M Aggregate
Del Monte Electric	Specialty Contractor	General Electrical	smullins@delmontelectric.com	6998 Sierra Court Dublin, CA 94568	925-829-6000 x112 925-577-352 m	C10	161955	1000000268	\$15 M Single \$35 M Aggregate
Digital Design Communications	General Building & Specialty Contractor	General Electrical, Low Voltage, Communications	vicmzamor@didesjnc.com	8128 Capwell Dr, Oakland, CA 94621	510-632-0650 p 510-632-6596 m	C10 Electrical	785247	1000002624	\$5 M Single \$6 M Aggregate
Digital Networks Group (DNG)	Specialty Contractor	Installation, Design & Engg, Programming, CAD, Training, Project Management	biddesk@digitalnetworksgroup.com	20382 Hermans Circle, Lake Forest, CA 92630-8701	949-428-6383 p	C7, C10	822511	1000001928	\$20 M Single \$45 M Aggregate
Dinelli Plumbing Incorporated	Specialty Contractor	General Plumbing	jphdinelli@dinelliplumbing.com	1160 Chess Drive, Suite 5, Foster City, CA 94404	650-372-9456	C36 Plumbing	801472	1000000999	\$3 M Single \$9 M Aggregate
Dowdle & Sons Mechanical Inc.	General Engineering, Building & Specialty Contractor	Mechanical, HVAC, Plumbing	shelley@dowdleandsonsmech.com	100 Tower Road, American Canyon, CA 94503	707-224-6968	A, B, C-4, C-20, C36	542743	1000000606	\$10 M Single \$15 M Aggregate

PUSD - PREQUALIFIED CONTRACTORS - 2019

Vendor Name	Vendor Type	Type of Work Performed with own forces	Email	ADDRESS	PHONE	License Type	CSLB LICENCE	DIR NUMBER	Bond Capacity
Dryco Construction , Inc.	Asphalt, Concrete, Seal Coat, Striping, Tennis Courts, Fence & Iron	Specialty Contractor Daren Young - President Sandra Young - Secretary	aland@dryco.com	42745 Boscell Rd., Fremont, CA 94538	510-438-6500 p 510-719-6573 m	A, & C-13	540379	1000003241	\$6 M Single \$12 M Aggregate
Du-Mor Fire Systems Inc.	Specialty Contractor	Design, Install, Inspections, Repairs of Fire Sprinkler Systems	monya@umorfiresystems.com	17119 Placer Hills Rd., Meadow Vista CA 95722	530-878-9055 p	C-16	722228	1000000203	\$2.5 M Single \$5 M Aggregate
E. F. Brett & Company, Inc.	General Engineering & Building Contractor	Sewer, Carpentry, General Labor, Concrete, Misc. Specialities	mollyb@efbrett.com jimm@efbrett.com	10 Paul Drive, San Rafael, CA 94903	415-524-8351 p 415-259-9583 m 415-720-6754	A, B	924636	1000000490	\$10 M Single \$20 M Aggregate
F&H Construction	General Contractor	Concrete, Rough & Finish Carpentry	ssibly@fhconst.com	1115 E. Lockeford St., Lodi, CA 95240	209-931-3738 p 209-351-5012 m	A, B	293306	1000002431	\$60 M Single \$14 M Aggregate
Fertado Heating & Air, Inc.	Specialty Contractor	HVAC, Architectural Sheet Metal	becky@fertadoheatandair.com	2504 Verne Roberts Circle #101, Antioch CA	925-754-2730 p 925-584-4682 m	C-20, C-43	792474	1000016505	\$3 M Single \$3 M Aggregate
Flint Builders Inc.	General Engineering & Building Contractor	General Carpentry, Doors, Frames & Hardware	rtognetti@flintbuilders.com	125 S. Market St., #110, San Jose, CA 95113 401 Derek Place, Roseville CA 95678	916-757-1000 p 916-825-4682 m	A, B	982487	1000000005	\$50 M Single \$100 M Aggregate
George F. Masker Inc.	Specialty Contractor	Painting, Specialty Coatings, Wallcovering, Intumescent Fireproofing	matt@maskerpainting.com stefanie@maskerpainting.com	7699 Edgewater Drive Oakland CA 94621	510-568-1206 p 510-760-2123 m	C33	219160	1000000521	\$5 M Single \$25 M Aggregate
H.A. Bowen Electric, Inc.	Specialty Contractor	Electrical Construction	bob@bowenelectric.com	2055 Williams St., San Leandro, CA 94577	510-483-0500 p 510-750-2433 m	C10	384915	1000011864	\$12 M Single \$12 M Aggregate
HVAC Service Heating & Air Conditioning, Inc.	Specialty Contractor	Heating, Air Conditioning, Ventilation, Sheet Metal	steve@hvacservicinc.net	2490 Arnold Industrial Way, Suite 1, Concord, CA 94520	925-318-4795 p 707-978-6363 m	C-20, C-43	964602	1000012403	\$800 K Single \$1 M Aggregate
Hydra Ventures, Inc. dba Cal Pacific Systems	General Engineering, Building & Specialty Contractor	Site Utilities, HVAC, Hydronic Systems, Plumbing	rob@calpacificsystems.com	3785 Bayside Blvd., Brisbane, CA 94005 1591 Howard Street, San Francisco, CA 94103	415-252-8600	A, B, C20, C36	924244	1000004768	\$8 M Single \$49 M Aggregate
JL Construction, Inc.	Specialty Contractor	Modular Buildings, Concrete, Rough & Finish Carpentry	barbaral@jlbuid.com	70 Stony Point Road, Suite D, Santa Rosa, CA 95401	707-527-5788 p 707-327-7788 m	B	761270	1000005631	\$35 M Single \$35 M Aggregate
JLM Modular, Inc.	Modular Bldgs.	Modular Buildings, Concrete, Rough & Finish Carpentry	barbaral@jlbuid.com	70 Stony Point Road, Suite D, Santa Rosa, CA 95401	707-527-5788 p 707-327-7788 m	B	761270	1000005631	\$35 M Single \$75 M Aggregate
K.S. Kruse Plumbing Company	Specialty Contractor	General Plumbing	kriskruse@comcast.net	151 W. Trident Drive Pittsburg CA. 94565	925-427-5547 p 925-963-5134 m	C36	512710	1000000600	\$1.750 B Single \$1.750 B Aggregate
Lathrop Construction Associates Inc.	General Engineering & Building Contractor	Carpentry, Concrete Foundations, Specialities	aed@lathropconstruction.com	4001 Park Rd. Benicia, CA 94510	707-746-8000	A, B	415981	1000000043	\$150 M Single \$250 M Aggregate
Lloyd F. McKinney Associates, Inc.	Specialty Contractor	Sound Audio Visual Systems-PA/Clocks, Public Address & Assisted Listening Systems	debbie.smith@mckinneyassoc.com	25350 Cypress Ave., Hayward, CA 94544	510-783-8043	C-7, C10	248851	1000007927	\$1 M Single \$2 M Aggregate
Long Electric (GD Long Electric Company)	Electrical	Electrical	tomi@longelectric.com	450 Technology Way, Napa CA 94558	707-252-3512 p 707-738-7866 m	C-10	580809	1000011090	\$5 M Single \$10 M Aggregate
Martinez Sheet Metal	General Building & Specialty Contractor	HVAC, Sheet Metal, Plumbing, Refrigeration	dfoster@martinezsheetmetal.com	4040 Pacheco Blvd., Martinez, CA 94553	925-228-3380 p 510-219-6110 m	B, C-4, C20, C36, C38, C43	222277	1000000471	\$5 M Single \$10 M Aggregate
McGuire & Hester	General Engineering, Building & Specialty Contractor	Grading, Paving, Concrete, Underground & Landscaping	estimating@mcquireandhester.com estimating@mandhcorp.com Madelaine.Hunt@mcquireandhester.com	2810 Harbor Bay Parkway, Alameda CA 94502 9009 Railroad Avenue Oakland, CA 94603	510-632-7676	A, B, C21, C27, C31, HAZ	95879	1000000033	\$50 M Single \$150 M Aggregate
National Electric, Inc.	Electrical	Electrical	alexanationalelectricpro.com	29380 Union City Blvd., Union City CA 94587	510-475-9400 p 510-377-2040 m 510-475-9411 f	C-10	605180	1000000541	\$2.5 M Single \$ ___ M Aggregate
NetXperts, Inc.	Specialty Contractor	Cisco Systems Hardware/Software, Low Voltage	gnordine@netxperts.com	1777 Botelho Drive, Suite 102, Walnut Creek, CA 94596	925-806-0800 X5	C-7, C10	869161	1000003207	\$ 5 M Single \$30 M Aggregate
Opening Technologies, Inc.	Specialty Contractor	Door, Key and Access Control System	prequal@openingtechnologies.com	2050 Commerce Ave. Concord, CA 94520	925-674-6900	C28	835076	1000002569	\$2.5 M Single \$5 M Aggregate
OWR Mechanical dba Monarch Mechanical	General Building & Specialty Contractor	HVAC, Sheet Metal, Plumbing	melody@monarchmech.com	5199 Fulton Drive, Suite D, Fairfield, CA 94534	707-374-4900	B, C20, C36, C43	736565	1000006144	\$2 M Single \$5 M Aggregate
PCD	Audio Visual Systems	Audio Visual Systems	cvelasquez@pcding.net	1032 Maxwell Drive, Santa Rosa CA 95401	707-546-3633	C-7	527657	1000000341	\$5 M Single \$8 M Aggregate

PUSD - PREQUALIFIED CONTRACTORS - 2019

Vendor Name	Vendor Type	Type of Work Performed with own forces	Email	ADDRESS	PHONE	License Type	CSLB LICENCE	DIR NUMBER	Bond Capacity
Pacific Coast General Engineering	General Engineering & Specialty Contractor	Grading, Paving, Underground Concrete, Hazardous Materials Removal	sam@pcge.biz info@pcge.biz , sam@pcge.biz	12 Industry Road Pittsburg CA, 94565	925-252-0214 p 925-250-0768 m	A, HAZ	894773	1000003642	\$1.5 M Single \$4 M Aggregate
Pacific Metro Electric	General Building & Specialty Contractor	General Electrical	nina@pacificmetroelectric.com	3150 E. Fremont Street Stockton, CA 95205	209-939-3222	B, C10	701614	1000000586	\$5 M Single \$8 M Aggregate
Pinguelo Const., Inc.	General & Glazing	General & Glazing	pinguelo@castles.com	2288 Rockville Road, STE B Fairfield, CA 94534	OFC 707-864-3003 FAX 707-864-1661 CELL 707-580-6644	B, C-17	610938	1000002874	
Point 1 Electrical Systems, Inc	General Building & Specialty Contractor	General Electrical, Low Voltage	mike.muniz@point1.com	6751 Southfront Road Livermore, CA. 94551	925-667-2950	B, C-7, C10	745827	1000000897	\$12 M Single \$24 M Aggregate
Presidential Fire Protection, Inc.	General Building & Specialty Contractor	Fire Protection	samantha@presidentialfireprotection.com	4517 Harlin Dr. Sacramento, CA 95826	916-379-9199	C-16	847133	1000003447	\$4 M Single \$6 M Aggregate
Project Built, Inc. DBA Icon Construction	General Contractor	General Contractor	jay.zhong@projectbuiltinc.com	1728 Ocean Ave., #137, San Francisco CA 94112	415-625-3667 p 925-339-8607 m	B	1038439	1000059171	\$2 M Single \$2.5 M Aggregate
Rodan Builders, Inc.	Carpentry, Demolition, Underground Utilities, Drywal	Carpentry, Demolition, Underground Utilities, Drywal	mlacues@rodanbuilders.com	859 Cowan Rd., Burlingame, CA 94010	650-508-1700 650-576-1720	A, B, C-21	858119	1000003240	\$60 M Single \$120 M Aggregate
RCM Fire Protection, Inc.	Fire Protection	Fire Protection	kadams@rcmfire.com	350 Enterprise Place, Tracy CA 95304	209-833-8228	C-16	793205	1000006192	\$2.5 M Single \$7.5 M Aggregate
Ray L. Hellwig Mechanical Co., Inc.	Specialty Contractor	HVAC, Sheet Metal	Daniellev@hellwigmechanical.com	1309 Laurelwood Rd., Santa Clara CA 95054	408-727-5080	B, C20, C16, C4, C36, C43	616780	1000005760	\$10 M Single \$30 M Aggregate
Schreder & Brandt Mfg, Inc.	Specialty Contractor	Modular, Earthwork, Paving, Concrete, Asphalt, LLB, Demo	carolyn@schrederbrandt.com	275 Fairchild Ave., Suite 100, Chico CA 95973	530-899-1104 p 479-295-0221 m	A, B	748129	1000054582	\$4 M Single \$6 M Aggregate
S&H Construction, Inc.	General Contractor	General Contractor	shconstructioninc@sbcglobal.net	5560 Boscell Common, Fremont, CA 94538	510-579-7328	B, C-20, C-10, C-9	786358	1000000362	\$3 M Single \$6 M Aggregate
S. W. Allen Construction, Inc.	General Engineering, Building & Specialty Contractor	Demo, Concrete, Roofing & Carpentry	ssouza@swaci.com	4777 Auburn Blvd., Ste. 100, Sacramento, CA 95841	916-344-2098	A, ASB, B, C-39	646849	1000001030	\$11 M Single \$25 M Aggregate
Silver Creek Industries, Inc.	General Building & Specialty Contractor	Design and Construction of Modular Buildings	swillis@silver-creek.net	2830 Barrett Avenue, Perris, CA 92571	951-943-5393 951-943-2211 Fax	B, C10, C20, C27, C36	855259	1000002864	\$20 M Single \$60 M Aggregate
Smith & Sons Electric Inc.	Specialty Contractor	General Electrical	charleen@smithandsonselectric.com	44255 Old Warm Springs Blvd., Fremont CA 94538	510-651-4994 p 510-209-5223 m	C10	437138	1000000480	\$5 M Single \$15 M Aggregate
Sposeto Engineering Inc.	General Building & Specialty Contractor	Site Work, Concrete & Asphalt Paving	johns@sposetocengineering.com	4558 Contractors Place, Livermore, CA 94551	925-443-4200	A, C-8	310292	1000005234	\$1.8 B Single \$3.5 B Aggregate
Strawn Construction	General Contractor	General Contractor	mainoffice@scmdinc.com	1140 Pedro St. Suite 1 San Jose CA 95126	408-286-1299 p 408-605-7795 m	B	927286	1000000867	\$20 M Single \$40 M Aggregate
Swank Construction, Inc.	General Engineering & Building Contractor	Earthwork, Concrete (Structural & Non-Structural), Rough & Finish Carpentry	jerry@swankconstructioninc.com jamie@swankconstructioninc.com	222 Bella Vista Rod., Vacaville, CA 95687	707-446-8808	A, B	559490	1000025388	\$10 M Single \$20 M Aggregate
Swinerton Builders	General Engineering, Building & Specialty Contractor	General Construction, Concrete, Millwork, Doors & Hardware, Framing, Drywall	bmartin@swinerton.com	2880 Lakeside Drive, Suite 300, Santa Clara, CA 90545	408-454-2021	A, ASB, B, C-2, C-4, C-5, C-6, C-8, C-9, C10, C12, C16, C20, C23, C29, C33, C35, C36, C38, C39, C42, C46, C50, C51, C55, D34	92	1000000296	\$500 M Single \$2.5 B Aggregate
Thompson Builders Corporation	General Engineering, Building and Specialty Contractor	Rough Carpentry, Concrete	leej@tbcorp.com	250 Bel Marin Keys Blvd., Suite A, Novato CA 94949	415-456-8972 p 415-203-0203 m	A, B, C17	626859	1000000633	\$45 M Single \$50 M Aggregate
USS CAL Builders, Inc.	General Contractor	General Construction, Plumbing, Electrical	bidning@usscalbuilders.com	8051 Main St., Stanton, CA 90680	714-828-4882 x3	A, B, C10, C31, C36	654454	1000003215	\$125 M Single \$300 M Aggregate
W.A. Thomas Co. Inc.	General Engineering & Building Contractor	Rough Carpentry, Finish Carpentry, Structural Concrete, Soft Demolition	jim@wathomas.net	2356 Pacheco Blvd, Martinez, CA 945532	925-228-9600	A, B	285617	1000000299	\$14 M Single \$30 M Aggregate
Walker Telecomm Inc.	Specialty Contractor	Communications, Voice & Data, Low Voltage	angel@walkertelecomm.com	412 Main St., Wheatland CA 95692	530-652-4169 p 916-833-3099 m	C-7, C10	953866	1000000137	\$10 M Single \$30 M Aggregate
Wilhte Electric, Inc.	Electrical	Electrical	wel@wilhteinc.com	337 Preston Ct., Livermore CA 94551	925-443-7400 p 925-595-1900 m	C10	820528	1000004549	\$1.5 M Single \$2 M Aggregate
Zovich Construction	General Contractor	Demo, Concrete, Rough & Finish Carpentry	tammie@zovichconstruction.com	2589 West 10th St., K4-101, Antioch CA 94509	925-775-4227 p 510-415-6552 m	A, B, C8	287113	1000003861	\$40 M Single \$65 M Aggregate

SECTION 31 12 17
SEALING ASPHALT PAVING

The General Conditions, Supplementary Conditions and Division 1 General Requirements are hereby made a part of this Section as fully as if repeated herein.

PART 1 – GENERAL

1.01 DESCRIPTION:

- A. Contractor is to supply all labor, material and equipment necessary to perform the work specified herein.
- B. The Contractor will treat vegetation growing in cracks with a suitable herbicide two weeks before starting work.
- C. No work is to be conducted during rainfall. Work is to be conducted only when ambient temperature is above 50 degrees Fahrenheit.

PART 2 – PRODUCTS

2.01 MATERIALS:

- A. DOCAL 1002, SS-1h asphalt emulsion
- B. DOCAL 1105 asphalt sealer
- C. DOCAL 1100 "VISCOLASTIC" crack filler
- D. Sand plaster sand, all passing #30 mesh
- E. Water fresh and potable

PART 3 – EXECUTION

3.01 SURFACE PREPARATION:

- A. The entire area must be thoroughly cleaned. Peripherally encroaching vegetation as well as remaining vegetation in cracks to be removed. Cleaning is to be performed by sweeping, flushing, blowing with compressed air, power washing or any other means necessary to remove all loose particles of paving, dirt and any other extraneous matter from cracks and surface.
- B. Fill cracks wider than 1/8" with DOCAL 1100, or equal as approved by District.

3.02 FILLING LOW SPOTS:

- A. After crack filler has cured, thoroughly wash down the entire area with water using enough to indicate low spots.
- B. Mark all low spots. The surface is to be examined by the inspector to assure that all low spots have been identified. After Inspector's examination, broom off excess water.

- C. To each area marked, apply a tack coat of DOCAL 1002, SS-1h consisting of one (1) part emulsion to five (5) parts water, by volume. Apply at the rate of three (3) gallons per one hundred (100) square feet. As the tack coat dries and begins to brown, sweep-spread any black areas that indicate low spots to facilitate drying.
- D. After the tack coat is thoroughly dry, to each low area apply sufficient DOCAL 1105 and sand to bring low areas level. Mixture shall be as follows:
 - 1 gal. DOCAL 1105
 - 3 lbs. 30 mesh sand
 - 1 qt. DOCAL 1002, SS-1h
 - Minimum water to allow semi-fluid mixture
- E. Allow to dry for minimum 24 hours.

3.03 PRIMING:

- A. Over the entire area to be sealed, including leveled areas, apply a prime coat (tack coat) of the following, by volume:
 - One (1) part DOCAL 1002, SS-1h
 - Five (5) parts water

Rate of application: Approximately 3 gal/100 sq.ft. Broom out puddles

Drying time: Primed area shall be allowed to dry for minimum of 24 hours before further applications.

3.04 SANDED ASPHALT EMULSION COURSE:

- A. After the entire areas has been primed and allowed to dry for 24 hours, two or more squeegee coats of Sanded Asphalt Emulsion shall be applied of the following:
 - Three (3) Pounds 30 mesh sand
 - One (1) Ga. DOCAL 1105
 - One (1) Quart DOCAL 1002, SS-1h
 - Enough water to obtain a semi-fluid consistency.
 - Rate of application: Approximately 6.85 gal/100 sq.ft.
- B. Rolling – After the required coats of Sanded Asphalt Emulsion have been applied, the entire area is to be rolled with a lighter roller of 3 to 5 tons in weight. Rolling may be started as soon as material has sufficiently dried to prevent sticking to the roller.

3.05 FINISH ASPHALT EMULSION COURSE:

- A. After the Sanded Asphalt Emulsion Course has been properly rolled to a smooth and even surface, two or more squeegee coats of Finish Asphalt Emulsion is to be applied of the following:
 - One (1) Gal. DOCAL 1105
 - Enough water to make a free-flowing consistency

Note: The absolute maximum water that may be added must not exceed one part water to two parts Asphalt Emulsion.

- B. **Mixing:** The entire contents of each drum of Asphalt Emulsion is to be emptied into a mortar box or plaster mixer and mixed to a free-flowing consistency. Water added must be held to a minimum and must never exceed the limits as indicated above.
- C. **Application:** Asphalt Emulsion is to be applied to the entire area by pouring from a can or wheeled container in continuous parallel lines and spread immediately with rubber squeegees or long-handled hair brooms. The spread is to be pulled toward the operator and held at an angle to the line of spread (as a blade on a road grader) to avoid an overflow or "spill" on its forward edge away from the operator. After each coat of Asphalt Emulsion has dried, ridges are to be removed with a scraper.
- D. **Application Rate:** Two or more coats of Asphalt Emulsion is to be applied using a minimum of 2 gal/100 sq.ft. ¹ total, of UNDILUTED material with the absolute minimum water added.
- E. **Drying Time:** Sufficient time is to be allowed between coats to prevent successive coats from "picking up" preceding coats.
- F. **Rolling:** After the final coat of Asphalt Emulsion has thoroughly dried, the entire area must be uniformly rolled leaving no ridges or roller indentations. The roller must weigh from 1,500 lbs., to 5 tons. Rollers must not be left standing on sealed areas at any time.

3.06 TRAFFIC:

- A. It is the responsibility of the Contractor to keep all traffic off the entire sealed area for a minimum of four (4) days after finished surface has dried completely.

3.07 MATERIALS AUDIT:

- A. The Inspector will audit whether the proper amount of packaged material is being applied by making an "empty container count" and comparing with the chart below.

MATERIAL REQUIRED FOR EACH 1,000 SQ.FT.

<u>Asphalt Emulsion (1105) (Gal.)</u>	<u>DOCAL 1002, SS-1h (Gal.)</u>	<u>SAND (Gal.)*</u>
Prime	0	25
Sanded 30	0	7
Finish	<u>30</u>	<u>0</u>
TOTAL	60	32
		5.8

*15.5 lbs./gal.

END OF SECTION

FENCE CHAIN LINK (TYP)

4" ACO K100 TR
SAWCUT 1 FOOT
PROVIDE ADA CO

(E) GRAVEL AREA TO BE REMOVED AND
PAVED WITH 3" AC O/ 8" CL2 BASE ROCK
O/COMPACTED SUBGRADE

(N) CENTRAL PRECAST CP12X12
CATCH BASIN OR EQUAL WITH
TRAFFIC RATED GRATE

RIM 55.64
INV 53.50

SAWCUT & REPLACE 1 FOOT OF
(E) AC & CONFORM TO (N) AC.

55.8±
MATCH (E)FG

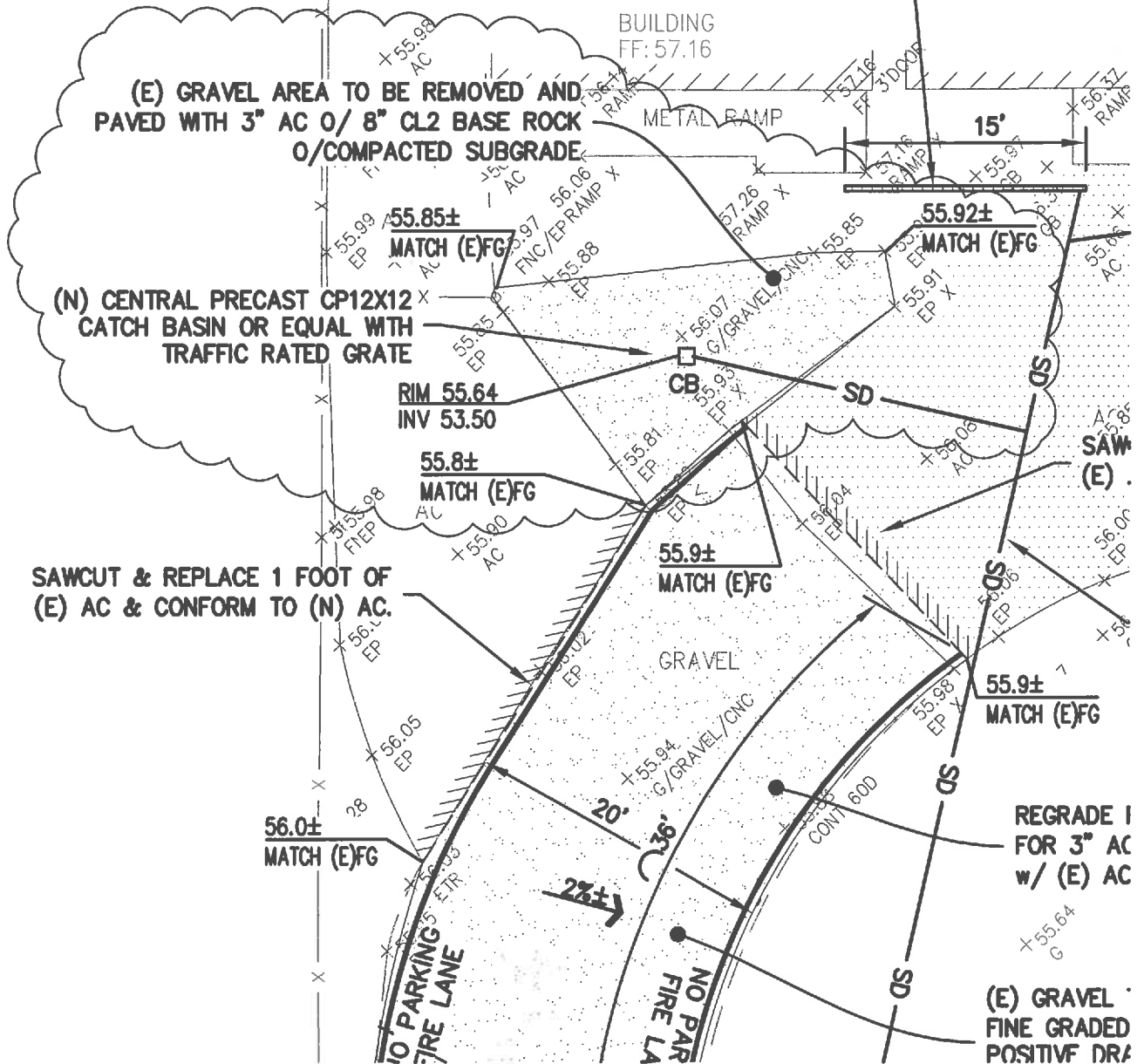
55.9±
MATCH (E)FG

55.9±
MATCH (E)FG

56.0±
MATCH (E)FG

REGRADE I
FOR 3" AC
w/ (E) AC

(E) GRAVEL
FINE GRADED
POSITIVE DRA



CLARK CIVIL ENGINEERING
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12700 Highway One, Point Reyes Station, CA
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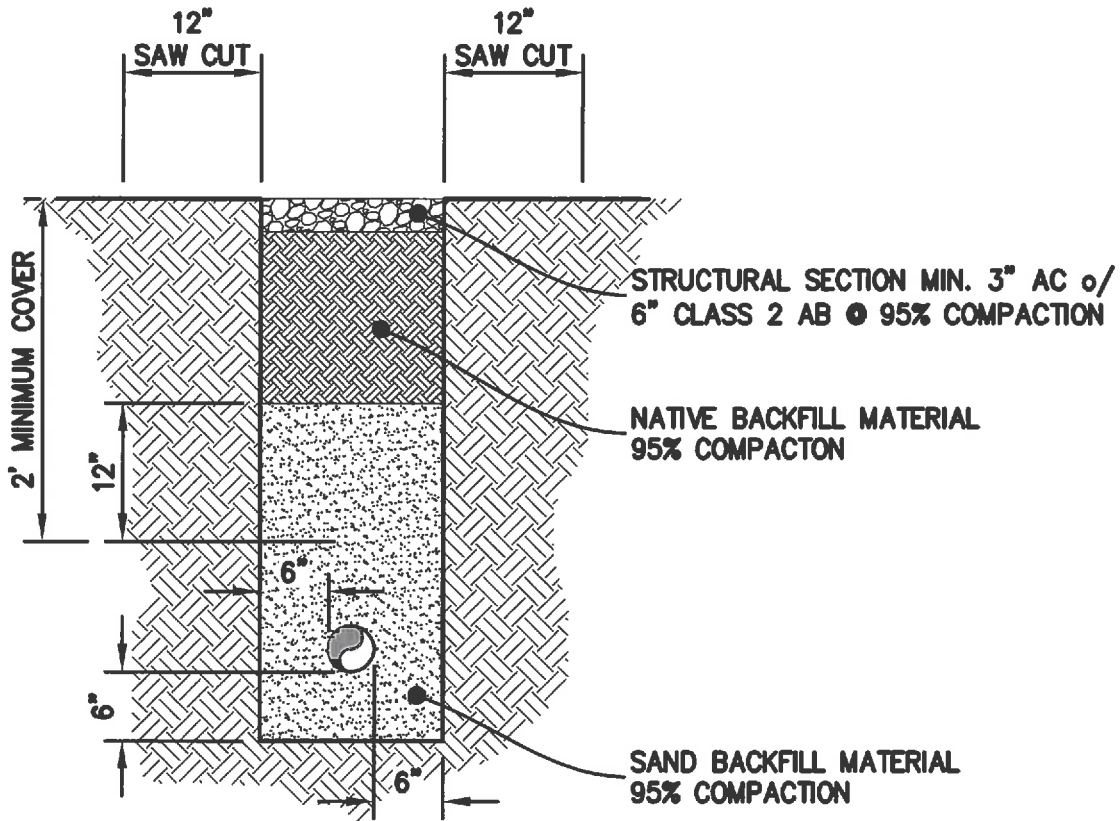
FIRE LANE PAVING
WILLOW COVE
ELEMENTARY SCHOOL
1880 HANLON WAY
PITTSBURG, CALIFORNIA

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218016

DESIGN: WCC

DRAWN: DR

1-23-19



TRENCH BACKFILL

NTS



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FIRE LANE PAVING
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DRAWN: DR

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