

# Construction of a New Two-story Central Fire Station General Contractor Bidding

<u>Category:</u> Fire and Police Stations	<u>Project ID #:</u> 1003849352
<u>Street Address:</u> 20 Stone St. Walpole MA 02081	<u>Confirmed Value:</u> \$11,000,000.00
<u>County:</u> Norfolk	<u>Stage:</u> Biddate Set
<u>Bid Date:</u> 10/6/2016 , 11:00AM	
<u>Architect:</u> Schwartz/Silver Architects Inc.	
<u>Documents Available:</u> Plans, Specs available in Insight	
<u>Last Update:</u> 9/20/2016	Plans,Specs were Added/Updated

## Notes

Scope Site work and new construction of a fire / police facility in Walpole, Massachusetts. Completed plans call for the construction of a fire / police facility. Construction of a new 20,500 gross square foot two-story Central Fire Station with a construction schedule of 20 months. Project includes Temporary Operations and demolition of the existing facility. General Bid Deadline 10/6/16 Time 11:00 A.M. Contractor Qualification DCAM Certificate Questions regarding the website or project distribution should be directed to ProjectDog at 978-499-9014. Only pre-qualified General and trade sub-contractors will be permitted to submit bids for the category of work in which they were pre-qualified.

Notes Request for Qualifications - RFQ: 10/29/2015 11:00AM 135 School St. Walpole, MA 02081 Bid Date: 10/06/2016 11:00AM Rebid from 08/04/16. Town of Walpole Procurement Department 135 School St. Walpole, MA 02081 Pre-Bid Meeting: 09/15/2016 01:00PM at 20 Stone St., Walpole Development include(s): New Construction, Site Work

Details [Division 2]: Building Demolition, Hazardous Material Abatement, Clearing, Dewatering, Earthwork, Grading, Slope Protection & Erosion Control, Paving & Surfacing, Water Systems, Wells, Sewerage & Drainage, Electric Power Transmission, Irrigation, Landscaping. [Division 3]: Architectural Concrete, Structural Precast Concrete, Architectural Precast Concrete. [Division 4]: Clay Unit Masonry, Concrete Unit Masonry, Granite. [Division 5]: Structural Steel, Metal Joists, Metal Decking, Cold Formed Metal Framing, Metal Fabrications, Metal Stairs, Metal Railings, Ornamental Metals. [Division 6]: Rough Carpentry, Prefabricated Structural Wood, Architectural Woodwork. [Division 7]: Waterproofing, Dampproofing, Insulation, Firestopping, Membrane Roofing. [Division 8]: Metal Doors, Wood Doors, Sectional Overhead Doors, Entrances & Storefronts, Metal Windows, Wood Windows, Hardware, Glass & Glazing. [Division 9]: Ceiling Suspension Systems, Lath & Plaster, Stucco, Drywall/Gypsum, Tile, Acoustical Ceilings, Resilient Flooring, Carpet, Painting. [Division 10]: Visual Display Boards, Louvers & Vents, Wall & Corner Guards, Flagpoles, Interior Signs, Lockers, Partitions, Toilet & Bath Accessories. [Division 11]: Vehicle Service Equipment, Fluid Waste Treatment/Disposal Equipment, Food Service Equipment. [Division 12]: Window Treatment. [Division 13]: Pre-Engineered Structures, Elevated Storage Tanks. [Division 14]: Elevators, Material Handling Systems. [Division 15]: Mechanical Insulation, Fire Protection Systems, Plumbing Piping, Plumbing Fixtures, Water Heaters, Hydronic Piping, Boilers, Cooling Towers, Packaged A/C Units, Air Handling, Ductwork, Testing & Balancing. [Division 16]: Service/Distribution, Interior Lighting, Exterior Lighting, Emergency Lighting, UPS Systems, Standby Power Generator Systems, Lightning Protection Systems, Alarm & Detection Systems, Electric Heating Cables & Mats, Electrical Controls.

## Additional Details

<u>Listed On:</u> 7/22/2016	<u>Floor Area:</u> 20,500
<u>Contract Type:</u>	<u>Work Type:</u> New
<u>Stage Comments 1:</u>	<u>Floors Below Grade:</u>
<u>Stage Comments 2:</u>	<u>Owner Type:</u> City
<u>Bid Date:</u> 10/6/2016	<u>Mandatory Pre Bid Conference:</u>
<u>Invitation #:</u> 2017-04	<u>Commence Date:</u> 11/7/2016
<u>Structures:</u> 1	<u>Completion Date:</u> 7/6/2018
<u>Single Trade Project:</u>	<u>Site Area:</u>
<u>Floors:</u>	<u>LEED Certification Intent:</u>
<u>Parent Project ID:</u>	<u>Units:</u>
<u>Parking Spaces:</u>	

## Project Participants

Company Role	Company Name	Contact Name	Address	Phone	Email	Fax
Architect	Schwartz/Silver Architects Inc.		75 Kneeland St. , Boston, MA 02111	(617) 542-6650	arch@schwartzsilver.com	(617) 951-0779
Owner	Town of Walpole	Susan Abate	135 School St. .	(508) 660-	sabate@walpole-	(508) 660-

## Bidders

Company Name	Added Date	Address	Phone	Email	Bidding Role	Bid Rank	Bid Value	Fax Number
WES Construction Corp.	9/17/2016	650 Industrial Dr. , Halifax, MA 02338	(781) 294-1080	kvogel@wesconstructioncorp.com	General Contractor			(781) 294-4597
M. O'Connor Contracting Inc	9/17/2016	19 Ledge Hill Rd, P. O. Box 320277, West Roxbury, MA 02132	(617) 327-3070		General Contractor			(617) 327-9731
E. Amanti & Sons	9/17/2016	390 Highland Ave. , Salem, MA 01970	(978) 745-4144	vin@eamanti.com	General Contractor			(978) 745-8833
Brite-Lite Electrical Co	9/17/2016	11 Front Street , Weymouth, MA 02188	(781) 340-9102		General Contractor			(781) 340-1674
Marmelo Bros	9/17/2016	13 Ventura Dr. , North Dartmouth, MA 02747	(508) 995-6582	sandy@marmelocconstruction.com	General Contractor			(508) 995-6926
Boston Building & Bridge Corp.	9/17/2016	1094 Bluehill Ave. , Milton, MA 02186	(617) 333-0342	info@bbbcorp.com	General Contractor			(617) 333-6895
John F. Shea Co. Inc.	9/17/2016	41 Hollingsworth St. P.O. Box 365, Mattapan, MA 02126	(617) 298-0356	csears@johnfshea.com	General Contractor			(617) 296-8859
Capeway Roofing Systems	9/17/2016	664 Sandford Road , Westport, MA 02790	(508) 674-0800		General Contractor			(508) 678-2670
PJ Spillane Company Inc	9/17/2016	97 Tileston St , Everett, MA 02149	(617) 389-6200		General Contractor			(617) 389-4138
Kneeland Plumbing & Heating, Inc.	9/17/2016	63 Hammond St. PO Box 311, Rowley, MA 01969	(978) 948-2282		General Contractor			(978) 948-5068
Cam HVAC & Construction Inc.	9/17/2016	116 Lydia Ann Road , Smithfield, RI 02917	(401) 232-7230	info@camhvac.com	General Contractor			(401) 232-7290
Chabot & Burnett Construction Co Inc	9/17/2016	36 Ramah Circle North Agawam , Agawam, MA 01001	(413) 567-7681	zcolson@chabotandburnett.com	General Contractor			(413) 786-1354
G&R Construction Inc.	9/17/2016	253 Centre St. , Quincy, MA 02169	(781) 849-9093		General Contractor			(781) 849-9094
Homer Contracting Inc.	9/17/2016	195 Broadway , Arlington, MA 02474	(781) 648-3372	info@homercontracting.com	General Contractor			(781) 648-4915
Murphy Specialty	9/17/2016	158 Arlington St, P.O. Box 292, Hyde Park, MA 02136	(617) 361-3242	info@murphyspecialty.com	General Contractor			(617) 364-3830
Greenwood Industries Inc.	9/17/2016	640 Lincoln Street, Worcester, MA 01605	(508) 865-4040		General Contractor			(508) 865-1123
General Mechanical Contractors	9/17/2016	29A Sword St. , Auburn, MA 01501	(508) 754-7366		General Contractor			(508) 756-6750
Richard T Losordo Electrical	9/17/2016	244 Liberty St st 8a, Brockton, MA 02301	(508) 436-4848		General Contractor			(508) 436-4849
Stanley Roofing Co Inc	9/17/2016	42 Mitchell Rd , Ipswich, MA 01938	(978) 356-7958		General Contractor			(978) 356-1499
CJM Services, Inc	9/17/2016	50 Kerry PI P.O. Box 424, Norwood, MA 02062	(781) 440-0000	info@cjmsservicesinc.com	General Contractor			(781) 440-0046
Silktown Roofing, Inc.	9/17/2016	134 Ferry Street , South Grafton, MA 01560	(508) 887-8908		General Contractor			(860) 646-0775
LaPan	9/17/2016	3 Bethanv Street .	(508) 793-	business@lapan	General			(508) 793-

Mechanical Contractors	16	Worcester, MA 01604	2164	mechanical.com	Contractor			2193
Mello Electric Co	9/17/2016	138 Morgan St , Fall River, MA 02721	(508) 679-3100		General Contractor			(508) 679-1221
Five Star Building Corp.	9/17/2016	123 Union Street Suite 200, Easthampton, MA 01027	(413) 527-4060	admin@fivestarcorp.net	General Contractor			(413) 527-4061
W.T. Rich Company	9/17/2016	29 Crafts St. Ste. 300, Newton, MA 02458	(617) 467-6010	wtrich@wtrich.com	General Contractor			(617) 467-6011
DDC Construction Inc.	9/17/2016	20 Query Street , New Bedford, MA 02745	(508) 992-7112		General Contractor			(508) 992-7429
Dandis Contracting Inc	9/17/2016	1020 Turnpikr Street, Unit 12, Canton, MA 02021	(781) 828-9313	info@dandiscontracting.com	General Contractor			(781) 828-9314
Tyco SimplexGrinnell	9/17/2016	50 Technology Dr , Westminster, MA 01441	(800) 746-7539		General Contractor			(615) 493-2996
Jupiter Electric Inc	9/17/2016	142 B Lafayette Road , Salisbury, MA 01952	(978) 499-7776		General Contractor			(978) 499-3838
CTA Construction Co. Inc.	9/17/2016	1432 Main St. , Waltham, MA 02451	(781) 786-6600	info@ctaconstruction.com	General Contractor			(781) 786-6670
American Electrical Construction, Inc.	9/17/2016	180 South Meadow Road Unit C, Plymouth, MA 02360	(508) 747-5600	aec@americanelectricalconstruction.com	General Contractor			(508) 747-5601
Ponch Excavation LLC	9/17/2016	3841 Washington St. , Boston, MA 02131	(508) 454-1165		General Contractor			(508) 454-1165
Vanguard Modular Building Systems, LLC	9/17/2016	152 Sylvan Street , Danvers, MA 01923	(978) 580-0585	info@vanguardmodular.com	General Contractor			(978) 856-3131
Bello Painting Company Inc	9/17/2016	585 East St. , Weymouth, MA 02189	(617) 479-4056		General Contractor			(617) 479-4081

## Planholders

Company Name	Address	Phone	Email	Fax
Grasseschi Plumbing & Heating Inc.	1299 Grafton St , Worcester, MA 01604	(508) 753-3028		(508) 799-4953
Tri-State Fire Protection Co. Inc.	11 Industrial Drive , Smithfield, RI 02917	(401) 232-5960		(401) 231-5508
Marathon Fire Protection Inc	485 Pine Stereet PO BOX 160, Seekonk, MA 02771	(508) 761-4695	mpeter@marathonfire.com	(508) 639-9020
Srs Contractors Inc	153 Winthrop Avenue , Lowell, MA 01851	(978) 455-0249		(978) 455-0016
Xcel Fire Protection Inc.	11A Industrial Way Unit 1, Salem, NH 03079	(800) 537-3331	info@xcelfire.com	(603) 898-9999
Roman Iron Works Inc.	55 Mystic Avenue , Somerville, MA 02145	(617) 625-4855		(617) 625-3012

## Buyer Activity Report











Status	Activity Level	Contact	Company Name	Source	Phone	Email	Business Type	Trades	Last Active
New		Todd Livolsi	Briggs Engineering & Testing		(617) 871-6040	tlivolsi@briggsengineering.com	Service Provider	Survey and Photography, Quality Requirements, Existing Conditions, Assessment, Subsurface Investigat...	9/19/2016
New		Estimati na	HD Supply Waterworks		(413) 732-	kristen.wagner@hdsup	Supplier	Utilities, Water	9/19/2016

		Department			8400	ply.com		Utilities, Wells, Sanitary Sewerage Utilities, Storm Drainage Utilities, Ponds and ...	
New		Michael Niland	F W Webb Company Waterworks Division		(781) 322-1238	michael.niland@fwwebb.com	Supplier	Water Utilities, Wells, Sanitary Sewerage Utilities, Storm Drainage Utilities, Ponds and Reservoirs,...	9/16/2016
New		Karen Beauregard	Laborers International Union		(617) 479-4275	karen@mldctrust.com	Other	General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and...	9/14/2016
New		Joeseh Nogueira	Guarino Site Development		(781) 820-2887	jn@guarinosite.com	Subcontractor	Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Shoring and Underpinning, Excavation Supp...	9/11/2016
New		Michael Portno	Gmh Fence Company			MPORTNO@GMHFENCE.COM	Subcontractor	Metals, Metal Restoration and Cleaning, Structural Metal Framing, Metal Joists, Metal Decking, Cold...	9/9/2016
New		Priscilla Lasky	Donnegan Systems		(508) 393-5700	plasky@donnegan.com	Supplier	Equipment, Special Construction	9/9/2016
New		Debbie Dutra	Lopes Const Inc; G		(508) 824-4834	ddutra@glopesconst.com	Subcontractor	Demolition and Structure Moving, Utilities, Water Utilities, Wells, Sanitary Sewerage Utilities, Sto...	8/31/2016
New		John Davis	Overhead Door Co. Of Boston		(781) 871-3850	jdavis@overheaddoorboston.com	Subcontractor	Coiling Doors and Grilles, Folding Doors and Grilles, Overhead Doors	8/2/2016
New		Aqil Unia	Visual Citi Inc		631-482-3030	aqil@visualciti.com	Subcontractor	Utilities, Water Utilities, Wells, Sanitary Sewerage Utilities, Storm Drainage Utilities, Ponds and ...	9/19/2016
New		Gretchen Foht	GearGrid-161615821		(651) 464-4468	gfoht@msn.com	Other	Specialties, Chalkboards, Markerboards	9/19/2016

New		Phil Coraccio	CSI Pipe LLC		(860) 564-9000	pcoraccio@csipipe.com	Supplier	Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Shoring and Underpinning, Excavation Supp... and Tackboards, Display Cases, Directories and Plaques, Traff...	9/19/2016
New		Ken McNamara	Kelley Bros		(603) 881-5559	kmcnamara@kelleybros.com	Subcontractor	Doors and Frames	9/19/2016
New		Donna Mithen	DWC Designs Inc.		(603) 880-4562	dwcdesignsinc@hotmail.com	Subcontractor	Windows, Chalkboards, Markerboards and Tackboards, Cubicle Track and Hardware, Wardrobe and Closet S...	9/17/2016
New		Robert Andrews	Stonetrade-165965315		(401) 885-6608	randrews@stonetrade.com	Supplier	Masonry, Unit Masonry, Stone Assemblies, Refractory Masonry, Corrosion-Resistant Masonry, Manufactur...	9/16/2016
New		margekendall	ACO Polymer Products, Inc		(440) 639-7230	mkendall@aco-online.com	Supplier	Concrete, Concrete Forming and Accessories, Fire Suppression, Water-Based Fire-Suppression Systems, ...	9/14/2016
New		Tim Quill	D. Cronin's Welding Service		(978) 664-4488	TQUILL@CRONINSWELDING.COM	Subcontractor	Metals, Structural Metal Framing, Metal Joists, Metal Decking, Metal Fabrications, Handrails and Rai...	7/21/2016
New		Franco Fresilli	Fresilli & Sons Masonry Contr		(401) 942-5193	fresilli.sons@cox.net	Subcontractor	Masonry, Unit Masonry, Stone Assemblies, Refractory Masonry, Corrosion-Resistant Masonry, Manufactur...	9/19/2016
New		Bruce Maxwell	HD Supply Waterworks		(860) 826-0517	Bruce.maxwell@hdsupply.com	Supplier	Utilities, Water Utilities, Wells, Sanitary Sewerage Utilities, Storm	9/19/2016

New		Rita Oliveira	South Dartmouth Construction		(508) 984-3347	RITA@SDCD RYWALL.COM	Subcontractor	Drainage Utilities, Ponds and ... Cold-Formed Metal Framing, Exterior Insulation and Finish Systems	9/19/2016
New		Ron Defusco	Union Fence		(401) 729-0011	rondefusco@gmail.com	Subcontractor	General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and...	9/17/2016
New		Tanveer Devji	Visual Citi Inc		631-482-3030	tanveer@visualciti.com	Subcontractor	Specialties, Chalkboards, Markerboards and Tackboards, Display Cases, Directories and Plaques, Traff...	9/16/2016
New		Mauricio Baiense	Contract Framing Builders, Inc.		(781) 874-2032	info@contractframingbuilders.com	Subcontractor	Rough Carpentry, Siding, Membrane Roofing	9/16/2016
New		Lisa Hermanson	Aggregate Industries		(781) 941-7200	lisa.hermanson@aggregate-us.com	Other	Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P...	9/16/2016
New		Tom Ogden	T.J. Ogden Well & Pump		(978) 453-8200	TDOGDEN@COMCAST.NET	Subcontractor	Water Utilities, Wells	9/15/2016
New		Don Holzworth	L M V Constnution Svcs		(781) 340-7404	donh@sitelusinc.com	Subcontractor	Cast-in-Place Concrete, Concrete Cutting and Boring, Earthwork, Site Clearing, Earth Moving, Earthwo...	9/14/2016
New		Kevin Nichols	Building Specialties/arch Hardware		(413) 788-9686	knichols@bsahinc.com	Supplier	Openings, Doors and Frames, Specialty Doors and Frames, Access Doors and Panels, Coiling Doors and G...	9/13/2016
New		Tina Polley	Building Specialties/arch Hardware		(413) 788-9686	tpolley@bsahinc.com	Supplier	Openings, Doors and Frames, Specialty Doors and Frames, Access Doors and Panels, Pressure-Resistant ...	9/13/2016
New		Nabin Bhattari	Riccelli Enterprises		(315) 433-	nabinb@riccellienterri	Service Provider	Contaminated Site	9/13/2016

			Inc			5115	ses.com		Material Removal, Concrete	
New			fmonarcama sonry		(860) 883- 6161	smonarca@ fmonarcam asonry.com	Subcontract or	Masonry, Unit Masonry, Stone Assemblies, Refractory Masonry, Corrosion- Resistant Masonry, Manufactur...	9/12/2016	
New			Union Fence		(401) 729- 0011	dave.unionf ence@aol.c om	Subcontract or	Temporary Facilities and Controls	9/12/2016	
New			Manet Contracting		(617) 777- 7913	MANETCON TRACTINGL C@YAHOO .COM	Subcontract or	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and...	9/10/2016	
New			Costello Dismantling Co., Inc.		(508) 291- 2324	tina@costell odismantlin g.com	Subcontract or	Existing Conditions, Subsurface Investigation, Water-Based Fire- Suppression Systems, Earthwork, Driv...	9/9/2016	
New			MBO Precast		(508) 866- 6900	cproctor@m boprecast.c om	Supplier	Precast Concrete	9/9/2016	
New			Boston Concrete Forms, Inc.		(6178) 748- 3541	bostoncfi@ gmail.com	Subcontract or	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and...	9/9/2016	
New			Trust Painting, Inc.		(781) 853- 9032	trust.paintin g@hotmail. com	Subcontract or	Finish Carpentry	9/8/2016	
New			Comley Excavating Company Llc		(978) 466- 3804	comleyexca vating@gm ail.com	Subcontract or	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and...	9/8/2016	
New			Viewpoint		(508) 904- 3185	jabely@view pointcrm.co m	Other	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and...	9/8/2016	
New			Turnkey Lumber Corporation		(978) 798- 1370	steve@turnk eylumber.bi z	Supplier	Wood, Plastics, and Composites, Rough Carpentry	9/8/2016	

New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Paul McGowan	Pro Cut Inc		(781) 899-0006	pmcgowan@protoolandsupply.com	Supplier	Demolition and Structure Moving, Site Remediation, Facility Remediation, Concrete Forming and Access...	9/6/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ken Gropman	J-Mac Building Specialties		(617) 361-0600	Ken@jmacbuilding.com	Supplier	Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P...	8/23/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	David Bowlby	Stucco Depot		(203) 430-9186	stuccodepot.org@gmail.com	Supplier	Manufactured Masonry, Dampproofing and Waterproofing, Exterior Insulation and Finish Systems	8/22/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aejoo Park	Haks Engineering			apark@haks.net	Architect	General Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and...	8/17/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mike Harn	Bay State Gas Co		(800) 552-3047	mharn@nisource.com	Service Provider	Plumbing, Plumbing Piping and Pumps, Plumbing Equipment, Plumbing Fixtures, Pool and Fountain Plumbi...	8/16/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ron Jodice	Pds Engineering & Construction			RONJ@PDESC.COM	Design / Builder	Special Construction	8/1/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	David Lasky	Major Theatre Equipment Corp.		(617) 464-0444	dlasky@majortheatre.com	Other	Equipment, Theater and Stage Equipment	7/26/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Andre Dubois	AVD Construction Corp.		(603) 566-3828	avdconstruction@gmail.com	Subcontractor	Concrete, Concrete Reinforcing, Post-Tensioned Concrete, Mass Concrete	7/25/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dave L'Heureux	Kalwall Corp Kal-lite Div.		(603)-627-3861	dlheureux@kalwall.com	Other	Openings, Doors and Frames, Specialty Doors and Frames, Access Doors and Panels, Coiling Doors and G...	7/25/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NQFC Estimator	New Quality Fence Corp		(978) 589-9980	estimating@nqfence.com	Subcontractor	Temporary Facilities and Controls	7/25/2016
New	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ray	Pittcon		(301)	rhoran@pro	Other	General	7/22/2016



		Horan Industries	927-1000	techspec.com	Requirements, Summary, Price and Payment Procedures, Administrative Requirements, Survey and...		
<b>New</b>		Joe Chandler	Net Technologies	jchandler@ntisys.com	Service Provider	Telephone Specialties, Fire Protection Specialties, Safety Specialties	7/22/2016

### Contracts

Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor			10/6/2016	Owner	Open Bidding

### History

User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Adam Sweet	True	9/20/2016	False	

SECTION 335643.13 ABOVE GROUND FUEL-STORAGE TANK

PERFORMANCE SPECIFICATION

1. The Insulated Secondary Containment Aboveground Storage Tank Systems for Flammable and Combustible Liquids, Protected Type: Vehicle Impact Protected, and Projectile Resistant shall be tested to and listed for the following:
  - A. **UL - 142**, aboveground steel tanks for flammable and combustible liquids.
  - B. **UL - 2085**, two-hour furnace fire test and two hour simulated pool fire test for insulated and protected tanks.
  - C. **UL - 2085 and UFC Test Standard (Article 79 or APPENDIX #A-II-F-1)**, for both Vehicle Impact Protection and Projectile Resistance.
  - D. **UL - 2085**, Protected aboveground tanks for flammable and combustible liquids.
  - E. **UL - 2085**, Non-Metallic Secondary Containment protected tanks for flammable and combustible liquids with secondary containment Emergency Venting by "Form of Construction".
  - F. **CAN/ULC - S601 (ORD - 142.18)**, Standard for shop fabricated steel aboveground horizontal tanks for flammable and combustible liquids.
  - G. **CAN/ULC - S655 (ORD - C 142.16)**, Standard for protected aboveground tank assemblies for flammable and combustible liquids
  - H. **CAN/ULC - (ORD - C 142.5)**, Standard for concrete encased aboveground tank assemblies for flammable and combustible liquids.
  - I. **CAN/ULC - (ORD - C 142.16)**, the furnace burn requirements for two hour fire rating.
  - J. **CAN/ULC - (ORD - C 142.25)**, the open (pool) fire testing for two-hour flammable liquid fire test.
  - K. **CAN/ULC - (ORD - 142.23)**, for aboveground tanks for used oil.
  - L. **The requirement** for Uniform Fire Code (UFC) for two-hour (firewall) test.
  - M. **To be tested and certified** by the California Air Resources Board (CARB) for Balanced Phase 1 and Phase 2 Vapor Recovery including methanol and ethanol.
  - N. **High Explosive (HE) Blast Resistance:** The tank system design shall be the subject of a Blast Effects Analysis (BEA) for resistance under the following blast threat load scenarios:

TOWN OF WALPOLE  
WALPOLE CENTRAL FIRE STATION  
SCHWARTZ/SILVER ARCHITECTS INC.

1. a 50-pound HE man-portable improvised explosive device (MPIED) at the standoff distance of 5 feet;
2. a 500-pound HE vehicle-borne improvised explosive device (VBIED) at the standoff distance of 20 feet; and
3. a vapor cloud explosion (VCE) with a load of 10 psi.

The BEA shall conclude that the tank system shall resist the explosion loads and remain intact, without failure of the primary tank. The engineering consultants performing the BEA shall be a nationally recognized firm with over 10 years experience offering comprehensive services related to blast and impact effects analysis, explosive safety design, vulnerability assessments and threat mitigation.

2. The primary steel tank shall be rectangular in shape and have continuous welds on all exterior seams, manufactured in accordance with UL listing requirements and UL Standard 142.
3. The primary steel tank shall be pressure tested at 5 psig for 24 to 48 hours.
4. The primary steel tanks shall have "emergency vent" system as per NFPA 30 Code requirements.
5. The protected and insulated AST systems shall have a thru-tank leak detector tube to allow for physical checkup and monitoring capability between the primary and the secondary containment.
6. The primary steel tank shall be pressurized at 5 psig during concrete encasement.
7. The outer surface of the primary steel tank shall be covered by a minimum of 1/4" thick (6.4 mm) Styrofoam insulation panels.
8. The secondary containment shall consist of a 30 Mil thick (0.76 mm) High-Density Polyethylene membrane enclosing the steel tank and insulation material.
9. The primary steel tank and the secondary containment shall be encased in six inches of monolithic reinforced concrete, with minimum design strength of 4,000 and 5,000 psi at 28 days depending on the tank size. The concrete design shall include the following for long-term durability: air entrainment, water reducing admixture, and steel reinforcement. Concrete encasements with seams will not be approved.
10. The protected and insulated AST systems shall be of concrete exterior and a continuous and visually verifiable monolithic (seamless) pour on top, bottom, ends, and sides and contain no cold joints or heat sinks (heat transfer points). The AST must be shop fabricated and tested in accordance with the UL listings. Designs that use two layers of steel with insulation material between them will not be approved.
11. No steel or insulating material shall come in contact with the concrete or other corrosive material.
12. All openings shall be from the top only.
13. All exposed metal with the exception of stainless steel must be powder coated to inhibit corrosion.

ABOVE GROUND STORAGE TANK

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14. The protected and insulated AST systems shall include a 7 or 15-gallon powder coated or stainless steel, UL listed spill containment, and shall include normally closed valve to release spilled product into the primary steel tank. Spill containment which route the spilled product into interstitial area will not be approved.
15. The protected and insulated AST systems shall have a coated concrete exterior to resist weather and reflect sunlight. Models with steel exteriors will not be approved.
16. The protected and insulated AST systems shall have a warranty of 30 years for systems 2,000 gallon capacity and larger and 20 years for systems 1,000 gallon capacity and smaller with optional 30-year warranty.
17. The protected and insulated AST systems design shall have been in use for a minimum of twenty (20) years. The manufacturer must stipulate no reportable AST containment system failure in 30,000 units produced.
18. The protected and insulated AST systems shall have two (2) bolts for connecting grounding conductors for lightning protection in accordance with NFPA 780.