Facility: Fire Training Classroom

Address: 700 Big Bear Blvd. Date of Survey: 05/14/10

1 ACCESS TO THE SITE AND/OR FACILITY

1.1 Exterior Accessible Route (sidewalks, paths, etc.)

- Refer to site plan included with this report: (A) Replace ~36 s.f. section of concrete at the main (south) entry door due to settlement (see photo 1 below).
  Estimated Cost: $998.00

Photo 1

1.2 Parking

- Refer to site plan included with this report: (1) Existing ADA parking space has slopes up to 6.7% and only a 5' wide unmarked access aisle and no sign. Repave the space and access aisle to obtain slope not exceeding 2% as much as is feasible, restripe the spaces (blue paint) for a van accessible space (min. 8' wide parking space with min. 8' wide access aisle) and install a van accessible ADA parking sign at 72" above grade. **Estimated Cost: $2,475.00**

1.3 Curb Cuts & Curb Ramps

- No curb ramps located at the building. Curb ramps located at nearby street intersections have not been evaluated as part of this survey and are being addressed in a separate City sponsored project dealing with Right-of-Way issues.

1.4 Exterior Ramps

- None exist.

1.5 Exterior Stairs

- None exist.

2 SERVICES

2.1 Building Entrances (exterior doors)

- No work.

2.2 Interior Accessible Route

- No work.

2.3 Interior Ramps

- None exist.

2.4 Interior Stairs

- None exist.

2.5 Elevators

- None exist.

2.6 Platform (wheelchair) Lifts

- None exist.

2.7 Doors (interior, excluding restroom doors addressed in 3.1 and non-public area doors)

- Replace the Library/Reception Room door knob and two classroom door knobs with levers. **Estimated Cost: $915.00**

2.8 Places of Assembly (auditoriums, meeting rooms, gymnasiums, etc.)

- No work.

2.9 Seating and Tables

- No work.

2.10 Restaurant (includes dining areas, snack bars, vending areas & public use kitchens)

- Not applicable.

2.11 NOT USED

2.12 Business & Mercantile (public & administration areas)

- No work.

2.13 Dressing and Fitting Rooms

- Not applicable.

2.14 NOT USED

2.15 NOT USED

2.16 Libraries

- No work.

2.17 Storage

- No work.

3 ACCESS TO PUBLIC AMENITIES

3.1 Drinking Fountains

- Shift the existing drinking fountain to the left as much as is feasible to obtain, as close as is possible, the ADAAG required wheelchair clearance in front of the unit (see photo 2 below). **Estimated Cost: $500.00**

Photo 2

3.2 Restrooms

- The existing Men's and Women's Restrooms are very small and not configured in a way that they can be made ADA compliant without major renovation of the restrooms and adjacent spaces that are a part of the access path to those restrooms. Recommend adding a new Unisex ADA Restroom (room would be ~8'-6" x 5'-6" – see example plan on next page) in the SE corner of the Classroom with the entry door opening at the corridor just south of the Classroom. An alternative location may be more desirable if existing plumbing is closer in that location. See detailed cost breakdown included with this report. **Estimated Cost: $1,2675.00**

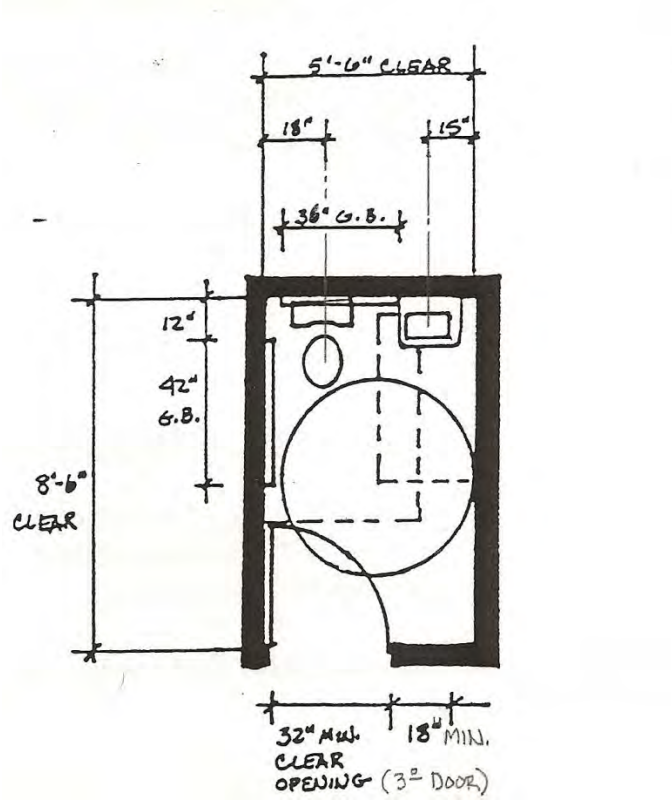


Figure 69.35-2/Toilet Room

Clear floor space at fixtures
48" by 66" at water closet
30" by 48" at lavatory

60" diameter turning space

3.3 Signage

- Not applicable.

3.4 Bathtub & Showers (including locker rooms and dressing rooms)

- Not applicable.

4 BARRIER REMOVAL - OTHER

4.1 Alarms

- None exist.

4.2 Public Telephones

- None exist.

4.3 Protruding Objects

- None exist.

4.4 Work Areas

- No work.

4.5 Sinks, Other than Lavatories

- No work.

5 COST ESTIMATE

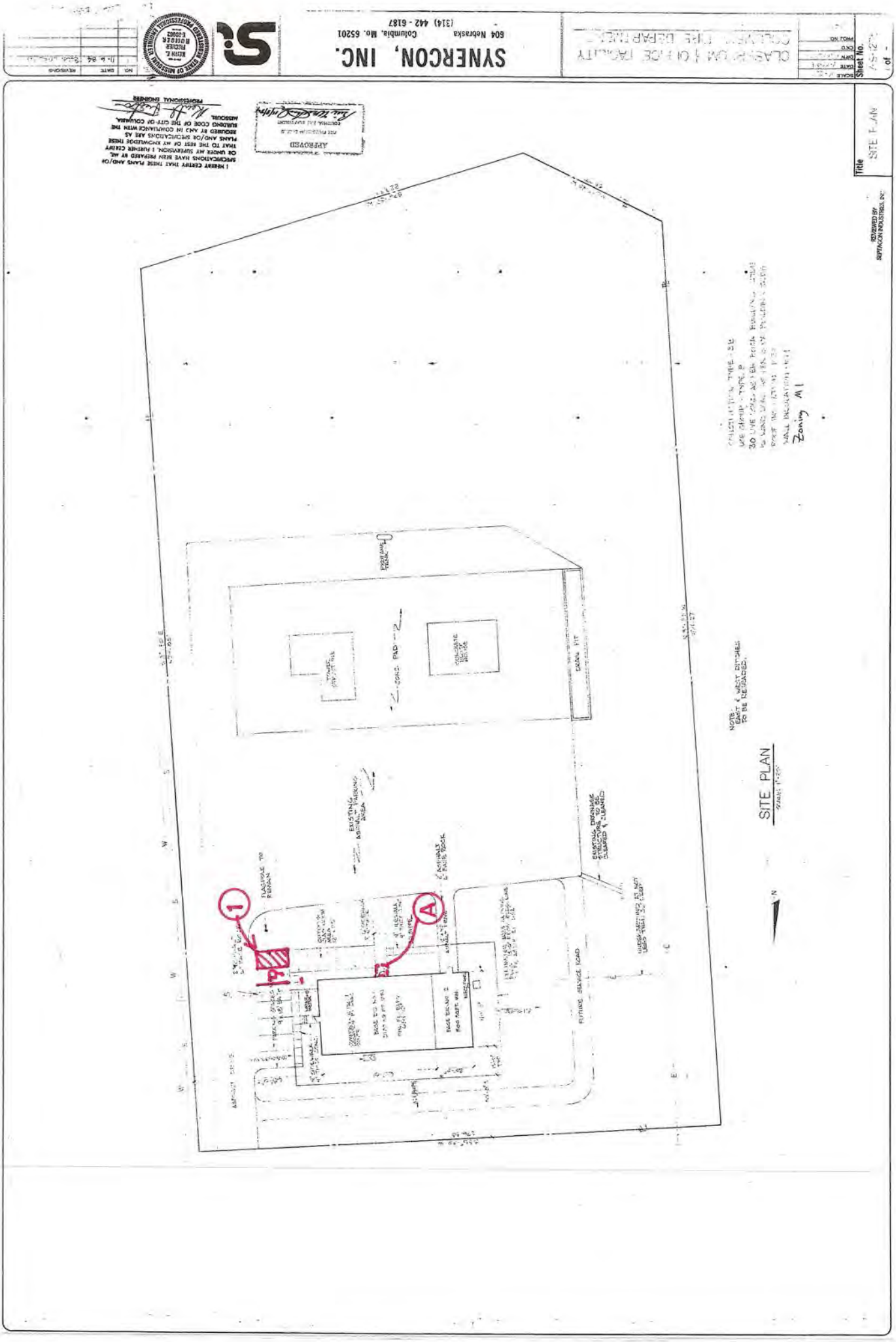
5.1 Cost Estimate & Notes

- Total facility cost estimate for recommended ADA modifications: **$17,563.00**

FACILITY SUMMARY		NAME: FIRE TRAINING CLASSROOM
SECTION HEADING	COST	COMMENTS
1 Access to the Facility		
1.1 Exterior Accessible Route	998.00	Replace settled section of conc. @ entry
1.2 Parking	2,475.00	Repave & restripe ADA parking space
1.3 Curb Ramps	–	
1.4 Exterior Ramps	–	
1.5 Exterior Stairs	–	
2 Services		
2.1 Building Entrances	–	
2.2 Interior Accessible Route	–	
2.3 Interior Ramps	–	
2.4 Interior Stairs	–	
2.5 Elevators	–	
2.6 Platform Lifts	–	
2.7 Doors	915.00	Replace knob w/ lever @ 3 doors
2.8 Places of Assembly	–	
2.9 Seating and Tables	–	
2.10 Restaurant	–	
2.11 **NOT USED**	–	
2.12 Business and Mercantile	–	
2.13 Dressing and Fitting Rooms	–	
2.14 **NOT USED**	–	
2.15 **NOT USED**	–	
2.16 Libraries	–	
2.17 Storage	–	
3 Access to Public Amenities		
3.1 Drinking Fountains	500.00	Move exist. DF for wheelchair access
3.2 Toilet Rooms	12,675.00	Add one Unisex ADA restroom
3.3 Signage	–	
3.4 Bathtubs and Showers	–	
4 Barrier Removal - Other		
4.1 Alarms	–	
4.2 Public Telephones	–	
4.3 Protruding Objects	–	
4.4 Work Areas	–	
4.5 Sinks, Other than Lavatories	–	
Total Barrier Removal Cost	17,563.00	

CostWorks 2011 - Fire Training Center Unisex ADA Restroom Addition

Qty	CSI Number	Description	Crew	Daily Output	Labor Hours	Unit	Bare Mat.	Bare Labor	Bare Equip.	Total	Total Incl. O&P
1.000	22411 340 1140	Water closet, tank type, vitreous china, floor mount	Q1	5.3	3.019	Ea.	339.25	162.15	0.00	501.40	621.00
3.000	22411 340 1980	Water closet, tank type, vitreous china, floor mount	Q1	3.05	5.246	Ea.	1,052.25	841.80	0.00	1,894.05	2,449.50
180.000	09211 633 4800	Partition Wall, interior, water resistant, taped both s	2 Carp	300	0.053	S.F.	244.26	372.60	0.00	616.86	877.68
1.000	10281 313 1300	Toilet Accessories, grab bars, straight, satin finish,	1 Carp	20	0.4	Ea.	39.10	18.92	0.00	58.02	74.18
1.000	10281 313 1310	Toilet Accessories, grab bars, straight, satin finish,	1 Carp	18	0.444	Ea.	49.45	21.05	0.00	70.50	89.13
1.000	10281 313 6100	Toilet Accessories, toilet tissue dispenser, stainles	1 Carp	30	0.267	Ea.	19.49	12.65	0.00	32.14	41.98
1.000	22423 930 3200	Carriers/supports, lavatory, concealed arm, floor m	1 Plum	6	1.333	Ea.	391.00	79.35	0.00	470.35	552.00
1.000	22411 610 6060	Lavatory, wall hung, vitreous china, white, with bac	Q1	7	2.286	Ea.	208.15	121.90	0.00	330.05	419.75
2.000	22411 610 6960	Lavatory, wall hung, rough-in, supply, waste and ve	Q1	1.66	9.639	Ea.	966.00	1,035.00	0.00	2,001.00	2,645.00
1.000	22411 610 9000	Lavatory, minimum labor/equipment charge	1 Plum	3	2.667	Job	0.00	158.70	0.00	158.70	244.95
1.000	22433 910 2900	Faucets/fittings, medical, faucet, gooseneck spout,	1 Plum	10	0.8	Ea.	154.10	47.73	0.00	201.83	243.80
1.000	22071 910 2945	Insulation, insulated protectors (ADA), for exposed	1 Plum	32	0.25	Ea.	22.77	15.01	0.00	37.78	48.30
1.000	22071 910 2965	Insulation, insulated protectors (ADA), for exposed	1 Plum	32	0.25	Ea.	22.25	15.01	0.00	37.26	47.73
1.000	10281 313 3100	Toilet Accessories, mirror, 36" x 24", with stainless	1 Carp	15	0.533	Ea.	116.15	25.30	0.00	141.45	169.05
1.000	10281 313 4600	Toilet Accessories, soap dispenser, chrome, surfa	1 Carp	20	0.4	Ea.	48.30	18.92	0.00	67.22	84.53
1.000	10281 313 6700	Toilet Accessories, towel dispenser, stainless stee	1 Carp	16	0.5	Ea.	38.53	23.58	0.00	62.10	80.50
1.000	10281 313 9000	Toilet Accessories, minimum labor/equipment char	1 Carp	5	1.6	Job	0.00	75.90	0.00	75.90	124.20
1.000	10281 313 4300	Toilet Accessories, robe hook, regular, single	1 Carp	36	0.222	Ea.	13.00	10.52	0.00	23.52	31.63
1.000	08121 313 0100	Frames, steel, knock down, hollow metal, single, 1	2 Carp	16	1	Ea.	155.25	46.58	0.00	201.83	247.25
1.000	08141 620 2260	Doors, wood, fire, custom architectural "B" label, b	2 Carp	14	1.143	Ea.	331.20	53.48	0.00	384.68	448.50
1.000	08712 030 0020	Door hardware, door closer, rack and pinion, adjus	1 Carp	6	1.333	Ea.	190.90	63.25	0.00	254.15	313.95
1.000	08712 030 5160	Door hardware, door closer, rack and pinion, for spring power adjustment, add				Ea.	41.98	0.00	0.00	41.98	46.17
1.000	08712 040 1100	Door hardware, lockset, heavy duty, cylindrical, wit	1 Carp	12	0.667	Ea.	194.35	31.05	0.00	225.40	265.65
1.000	08712 050 1600	Door hardware, doorstops, holder and bumper, for	1 Carp	32	0.25	Ea.	7.02	11.79	0.00	18.80	27.03
1.000	08712 050 9000	Door hardware, doorstops, minimum labor/equipm	1 Carp	6	1.333	Job	0.00	63.25	0.00	63.25	102.93
1.000	08712 090 0200	Door hardware, hinges, full mortise, average frequency, steel base, USP, 6" x 6"				Pr.	95.45	0.00	0.00	95.45	105.00
800.000	09912 372 1300	Paints & coatings, walls & ceilings, interior, concre	1 Pord	454	0.018	S.F.	276.00	496.80	0.00	772.80	1,085.60
54.000	09291 030 1250	Gypsum wallboard, on ceilings, water resistant, tap	2 Carp	765	0.021	S.F.	23.60	43.47	0.00	67.07	97.50
42.000	06111 012 6100	2" x 6" wood, suspended ceiling framing	2 Carp	800	0.02	L.F.	17.87	32.84	0.00	50.72	73.42
1.000	06111 012 9000	Wood framing, suspended ceiling framing, minimu	1 Carp	4	2	Job	0.00	78.20	0.00	78.20	127.65
1.000	26511 350 0600	Fluorescent fixture, interior, acrylic lens, grid reces	1 Elec	4.7	1.702	Ea.	72.45	88.55	0.00	161.00	216.20
1.000	26059 010 4280	Receptacle devices, resi, decorator style, with #12	1 Elec	4.71	1.699	Ea.	54.63	88.55	0.00	143.18	196.65
1.000	26272 620 0500	Toggle switch, quiet type, single pole, 20 amp	1 Elec	27	0.296	Ea.	8.22	15.41	0.00	23.63	32.78
1.000	26051 990 0560	Wire, aluminum, stranded, 600 volt, #4, type THHI	2 Elec	13	1.231	C.L.F.	36.23	63.83	0.00	100.05	139.15
50.000	26053 313 5020	Electric metallic tubing (EMT), 3/4" diameter, to 15'	1 Elec	130	0.062	L.F.	54.05	160.43	0.00	214.48	304.75
0.000	01211 650 0100	Contingencies, for estimate at preliminary working drawings stage (Design Development)				Project					15.0%
		Totals					**$5,283.23**	**$4,393.53**	**$0.00**	**$9,676.76**	**$12,675.04**


SYNERCON, INC.
604 Nebraska Columbia, Mo. 65201
(314) 442 - 6187
CLASSROOM & OFFICE FACILITY
COLUMBIA FIRE DEPARTMENT
Title
SITE PLAN
Sheet No.
REVIEWED BY SEPTACON INDUSTRIES, INC.
SITE PLAN
Zoning M1
NOTE: EAST & WEST DITCHES TO BE REGRADED.
FUTURE SERVICE ROAD
EXISTING ASPHALT PARKING AREA
EXISTING DRAINAGE STRUCTURE TO BE CLEARED & CLEANED
FLASHPAN TO REMAIN
CONC. PAD
DRAIN PIT
APPROVED
I HEREBY CERTIFY THAT THESE PLANS AND/OR SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION, I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS AND/OR SPECIFICATIONS ARE AS REQUIRED BY AND IN COMPLIANCE WITH THE BUILDING CODE OF THE CITY OF COLUMBIA, MISSOURI.
PROFESSIONAL ENGINEER

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