NOTICE AND INFORMATION FOR BIDDERS

Attachment A: Bid Breakdown & Schedule

Bidde	r:						
DASN	NY Contact: Susa	n Valente, Purc	chasing Coordinator (5	18) 837	-7039		
Servi	ces/Product Requ	uired By: July 15	5, 2024				
Desc	ription: Furnish, D	Deliver and Insta	ıll Playground Surfacing	System	ı		
			ite Headquarters, 515 e 20, 2024 at 2:30PM l		ay, Albany, N	1Y	
Item No.	Manufacturer	Make/Model	Description	UOM	Unit Price	Extended Price	
1	Playbound, or equal item	Per specifications	Playground East: Dual-layer poured rubber surfacing approx. 2,200 sq. ft.*	LS	\$	\$	
2	Playbound, or equal item	Per specifications	Playground West: Dual-layer poured rubber surfacing approx. 2,175 sq. ft.*	LS	\$	\$	
3			Installation	LS	\$	\$	1
4			Labor – Removal of wood chips from playground east	LS	\$	\$	-
order. E If provid product conside	Bidder should atta ding substitutions t. The burden of p	ach a cost break for any of the s proof equality is	mated square footage kdown detailing all cos specified product, provi on the bidder, and on Failure to comply with a	ts asso ide infoi ly comp	ciated with th rmation on pr lete submitta	e resurfacing pro oposed manufac Is, as requested	oduct. cturer's will be
		INSTALL LABOR TO	ATION LABOR (if red	quired)	_		
	ated No. of Hou y Rate (<i>Prevailin</i>		are required for this v	vork)			
Total N	Materials/Equipme	ent/Commodities	s:				
Total I	nstallation:						
TOTA	L BID						

NOTICE AND INFORMATION FOR BIDDERS

(The below questions 1) and 2) need only be answered if the abo	ve total bid is for one million dollars or more)
 Does your firm anticipate the use of subcontractors and 	outside suppliers specific to this procurement
Yes No No	
2. Does your firm anticipate the creation of employment Yes No No	opportunities arising from this procurement?
(The below information must be completed for all bids.)	
Identify all subcontractors, if any:	
identity differentiactors, if diffy.	
STATE, PROVINCE FOR FOREIGN COUNTRY THAT YOUR FIRM'S PRINCIPAL PLACE OF	
BUSINESS IS LOCATED:	BIDDER (FIRM NAME)
ADDRESS OF FACTORY OR PLANT WHERE ITEMS ARE MANUFACTURED AND/OR ASSEMBLED. (Attach additional sheet(s) if more	SIGNATURE
than one manufacturer)	NAME (TYPE/PRINTED)
	TITLE
	Date

NOTICE AND INFORMATION FOR BIDDERS

Attachment B: Detailed Specifications - see attached



DASNY Project No: 354140

ENV 401.19.03



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SECTION 321816 - PLAYGROUND PROTECTIVE SURFACING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes: Poured-in-Place Playground Surfacing System.
 - 1. System Description
 - a. Performance Requirements: Provide a2-layerrubber-urethane playground surfacing system which has been designed, manufactured and installed to meet the following criteria
 - b. Shock Attenuation (ASTM F1292):
 - 1) Gmax: Less than 200
 - 2) Head Injury Criteria: Less than 1000
 - c. Flammability (ASTM D2859): Pass
 - d. Tensile Strength (ASTM D412): 60 psi (413kPa).
 - e. Tear Resistance (ASTM D624): 140%.
 - f. Water Permeability: 0.4 gal/yd2/second
 - g. Accessibility: Comply with requirements of ASTM F1951

B. Related Requirements:

1. Division 32 Sitework Sections: Materials and Methods, Excavation, Concrete Paving, Sub-Drainage, Storm Drainage, Fencing.

C. REFERENCES

- 1. American Society for Testing and Materials (ASTM)
 - a. ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
 - b. ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
 - c. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine



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- d. ASTM D2859 Standard Test Method for Flammability of Finished Textile Floor Covering Materials
- e. ASTM E303 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester
- f. ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment
- g. ASTM F1951 Standard Specification for Determination of Accessibility of Surface Systems
 Under and Around Playground Equipment

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions
- B. Verification Samples: Submit manufacturer's standard verification samples of 9" x 9" (229 x 229 mm) minimum
- C. Quality Assurance/Control Submittals. Submit the following
 - 1. Certificate of qualifications of the playground surfacing installer
- D. Closeout Submittals. Submit the following:
 - 1. Warranty documents

1.4 QUALITY ASSURANCE

- A. Qualifications: Utilize an installer approved and trained by the manufacturer of the playground surfacing system, having experience with other projects of the scope and scale of the work described in this section.
- B. Certifications: Certification by manufacturer that installer is an approved applicator of the playground surfacing system.
 - 1. International Play Equipment Manufacturers Association (IPEMA) certified.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Store materials protected from exposure to harmful environmental conditions and at a minimum temperature of 40 degrees F (4 degrees C) and a maximum temperature of 90 degrees F (32 degrees C).

1.6 WARRANTY

A. Warranty Period: Manufacturer's ten (10) year warranty for aliphatic urethane top surface.



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1 From date of substantial completion of work

1.7 FIELD CONDITIONS

environmental Requirements: Install surfacing system when minimum ambient temperature is 40 Α. degrees F (1 degree C) and maximum ambient temperature is 90 degrees F (32 degrees C). Do not install in steady or heavy rain.

PART 2 - PRODUCTS

2.1 POURED-IN-PLACE PLAYGROUND SURFACING SYSTEM

- A. Poured in Place Surfacing System: Poured-in-place playground surfacing system, by Surface America, Inc, including the following:
 - 1. PlayBound Poured-In-Place Primer:
 - Material: Urethane a.
 - 2. PlayBound Poured-in-Place Basemat
 - Blend of 100% recycled SBR (styrene butadiene rubber) and urethane a.
 - b. Thickness: as indicated in the Drawings
 - 3. Formulation Components: Blend of strand and granular material
 - 4. PlayBound Poured-In-PlaceTop Surface:
 - Material: Blend of Virgin EPDM(ethylene propylene diene monomer) rubber or TPV a. Granule and aliphatic urethane binder
 - b. Thickness: 1/2-inch

5.

- Color: As selected by the Architect from manufacturer's full range, including premium and/or 6. custom colors.
- 7. Dry Static Coefficient of Friction (ASTM D2047): 1.0
- 8. Wet Static Coefficient of Friction (ASTM D2047): 0.9
- 9. Dry Skid Resistance (ASTM E303): 89/
- 10. Wet Skid Resistance (ASTM E303): 57

В. Mixes

- Required mix proportions by weight: 1.
 - a. Basemat:16+% urethane (as ratio: 14% urethane divided by 86% rubber). 14% urethane, 86%rubber (based on entire rubber & urethane mix)
 - Top Surface: 22% urethane (ratio: 18% urethane divided by 82% rubber). 18% urethane, b. 82% rubber(based on entire rubber & urethane mix)



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PART 3 - EXECUTION

3.1 EXAMINATION

- A. Substrate preparation must be in accordance with surfacing manufacturer's specification. New asphalt must be fully cured—up to 30 days. New concrete must be fully cured—up to 7 days.
- B. Proper drainage is critical to the longevity of the PlayBound Poured-in-Place surfacing system. Inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty.
- C. Commencement of installation shall indicate acceptance of any and all existing and/or field conditions.

3.2 PREPARATION

- A. Surface Preparation: Using a brush or short nap roller, apply primer to the substrate perimeter and any adjacent vertical barriers such as playground equipment support legs, curbs or slabs that will contact the surfacing system at the rate of 300 ft2/gal (7.5 m2/L)
- B. Contractor shall be responsible for any and all work associated with preparing existing playground equipment and footings as required for the proper integration and installation of playground surfacing system with playground equipment.
 - 1. Including but not limited to any and all Manufacturer's recommendations and/or full written instructions.

3.3 INSTALLATION

A. Do not proceed with playground surfacing installation until all applicable site work, including substrate preparation, fencing, playground equipment installation and other relevant work, has been completed.

B. Basemat Installation:

- 1. Using screeds and hand trowels, install the basemat at a consistent density of 29 pounds, 1 ounce per cubic foot (466 kg/m3) to the specified thickness
- 2. Allow basemat to cure for sufficient time so that indentations are not left in the basemat from applicator foot traffic or equipment.
- 3. Do not allow foot traffic or use of the basemat surface until it is sufficiently cured.
- C. Primer Application: Using a brush or short nap roller, apply primer to the basemat perimeter and any adjacent vertical barriers such as playground equipment support legs, curbs or slabs that will contact the surfacing system at the rate of 300 ft2/gal (7.5 m2/L)

D. Top Surface Installation:

1. Using a hand trowel, install top surface at a consistent density of 58 pounds, 9ounces per cubic foot(938 kg/m3) to a nominal thickness of 1/2" (12.7 mm).



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- 2. Allow top surface to cure for a minimum of 48 hours.
- 3. At the end of the minimum curing period, verify that the top surface is sufficiently dry and firm to allow foot traffic and use without damage to the surface.
- 4. Do not allow foot traffic or use of the surface until it is sufficiently cured.

3.4 PROTECTION

A. Protect the installed playground surface from damage resulting from subsequent construction activity on the site.

END OF SECTION 321816



800-999-0555

Product & System Specs

Literature Downloads

Recruiting Installers

Contact Us

Recreational & Athletic Surfacing

WHY SURFACE AMERICA?

INSTALLATION & CONSTRUCTION

PLAYGROUNDS

WATER PLAY OUTDOOR RECREATION INDOOR RECREATION ARTICLES & PROJECTS



PLAYBOUND™ POURED-IN-PLACE PLAYGROUND SURFACING

A safe playground surface that's where you need it, when you need it.

PlayBound™ Poured-in-Place is a 2-layer system consisting of a basemat of 100% post-consumer recycled SBR (Styrene

Butadiene Rubber) and polyurethane and a top surface consisting of recycled post-industrial EPDM (Ethylene Propylene Diene Monomer) rubber or TPV Granule and aromatic or aliphatic urethane binder. Surface America uses an industry-leading percentage of material in its top surface, significantly increasing the surface's expected life.

Easily customized to meet the safety, design and aesthetic requirements of any playground.

Because the rubber and urethane components are mixed and applied on site, having school colors, logos, games and/or geometric shapes permanently incorporated into the surface are practical options. Thicknesses can be modified on site to meet varying critical fall heights within playgrounds, and colors can be mixed and varied to complement playground equipment and playground settings.

Industry-leading warranty.

Our pour in place system performs so well we extended the warranty to 7 years. We call it Super-7. Our aliphatic system is so durable and problem-free we extended its warranty to 10 years! We call it Extreme-10.

Product Data



- Field-applied in any configuration and dimensions
- Wet poured, two layers, troweled on site
- Base Layer: SBR (Styrene Butadiene Rubber) and polyurethane; Top Layer: EPDM (Ethylene Propylene Diene Monomer) rubber or TPV Granule and aromatic or aliphatic urethane binder
- Typical thickness range is 1-3/4" to 5-1/2"
- Many colors and color combinations <u>Mix Your Own</u>
 <u>Color Blends</u>
- Porous: primarily outdoor use (indoor use less typical)

Colors

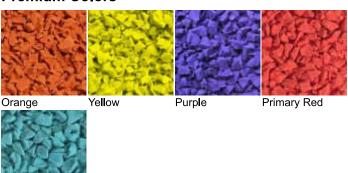
Color(s) may vary slightly from samples shown.

Mix Your Own Color Blends | View/Download Colors PDF



Black

Premium Colors



- Base Options: concrete, asphalt, crushed stone
- View typical edge details
- Mound Detail
- IPEMA certified: meets critical fall heights up to 13 feet per ASTM F-1292
- ADA compliant per ASTM F-1951 for playground surface accessibility
- Recycled material components sourced from the USA
- 7-Year Warranty (Super-7 with aromatic urethane)
- 10-Year Warranty (Extreme-10 with aliphatic urethane)
- All materials are made and assembled in the U.S.A.



Rubber Colors: Any of these colors can be mixed in combination with another color or mixture of colors to achieve a blended, speckled look. A percentage of black mixed with a color or multiple colors camouflages dirt and reduces the price. All other factors being equal, the higher the percentage of black in the top surface mix, the lower the price.

Urethane Choices: Throughout the industry, the urethane binder that encapsulates the granules is produced in two forms: aromatic (our Super-7 system with a 7-year warranty) and aliphatic (our Extreme-10 system with a 10-year warranty). It is not required to use aliphatic binder, but from an aesthetic standpoint it is particularly advisable to consider its use with colors such as blue, teal, purple, pearl, eggshell and grays because aromatic binder "yellows" slightly upon exposure to ultraviolet rays. Most of this thin layer of urethane wears off with foot traffic and weathering typically within two to six months. This characteristic applies industry-wide. Extreme-10 (using aliphatic urethane) comes with added cost, but added benefits, too. Upgraded ingredients in the formulation lead to superior performance throughout the system's life.

- Greater resistance to wear and tear from foot traffic and the elements
- Outstanding tensile strength
- "Clear as water" appearance makes the surface vibrant

Clour do trator appoaration marco the outland therain.

and the rubber true to color



Surface America's PlayBound Poured-in-Place system is IPEMA certified. To verify product certification, visit www.ipema.org.

Warning: Like so many surfaces, including asphalt, sand, metal and plastic, all of which can be found in playground environments, rubber surfaces will get hot when exposed to direct sunlight. Surface America strongly recommends that children wear shoes when playing or walking on any rubber surface, regardless of the manufacturer or specific type of surface.



IPEMA

505 Aero Drive
Suite 1
Cheektowaga, NY 14225
800-999-0555
info@surfaceamerica.com





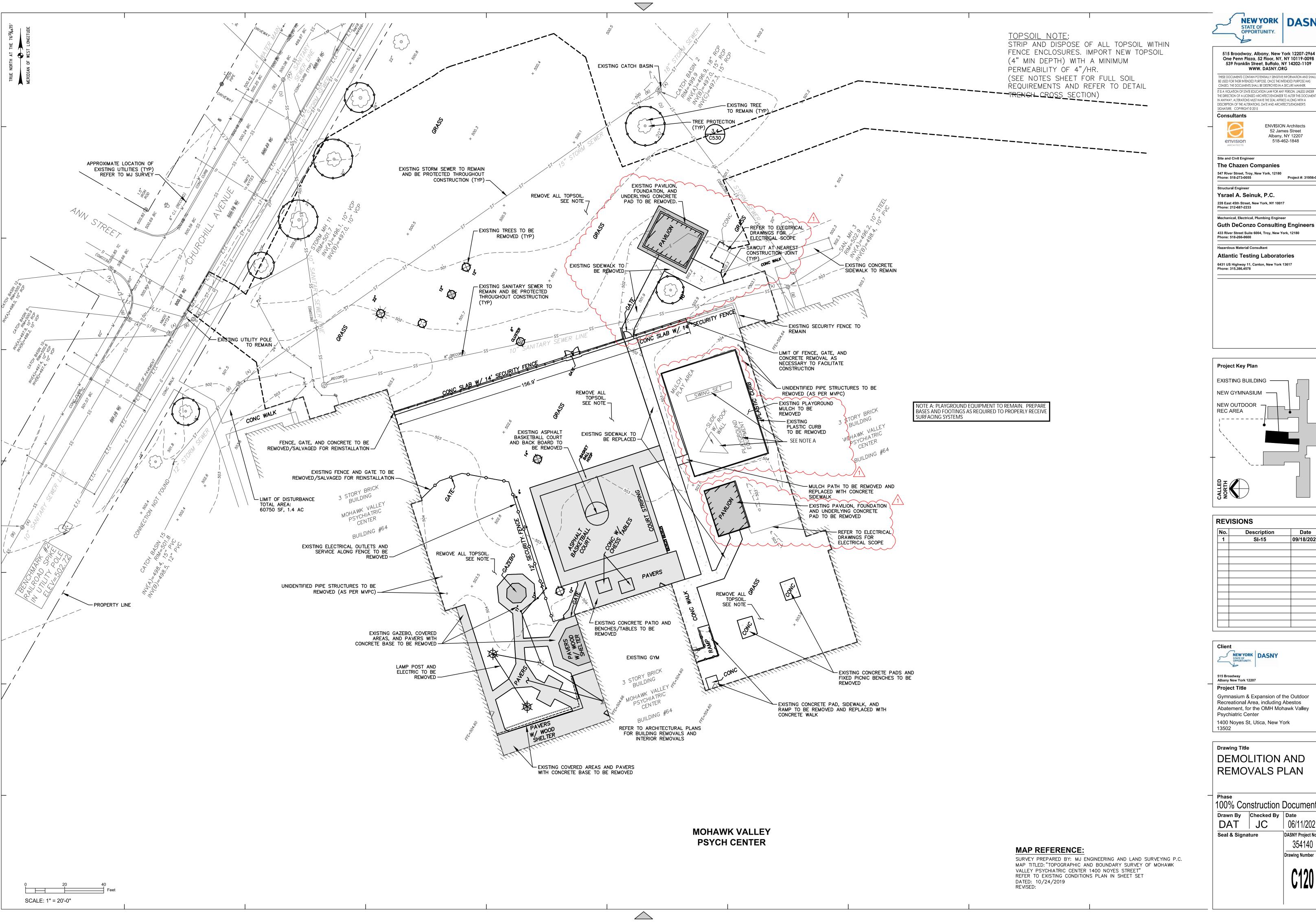




an Ecore company

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Site by Scheffey



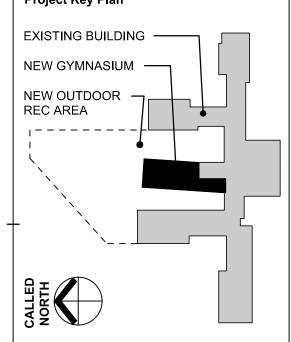
515 Broadway, Albany, New York 12207-2964 One Penn Plaza, 52 Floor, NY, NY 10119-0098 539 Franklin Street, Buffalo, NY 14202-1109

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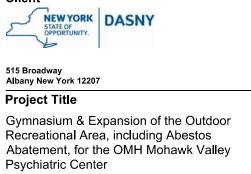
> ENVISION Architects 52 James Street Albany, NY 12207 518-462-1848

Guth DeConzo Consulting Engineers PC 433 River Street Suite 6004, Troy, New York, 12180 Phone: 518-266-9600

Atlantic Testing Laboratories

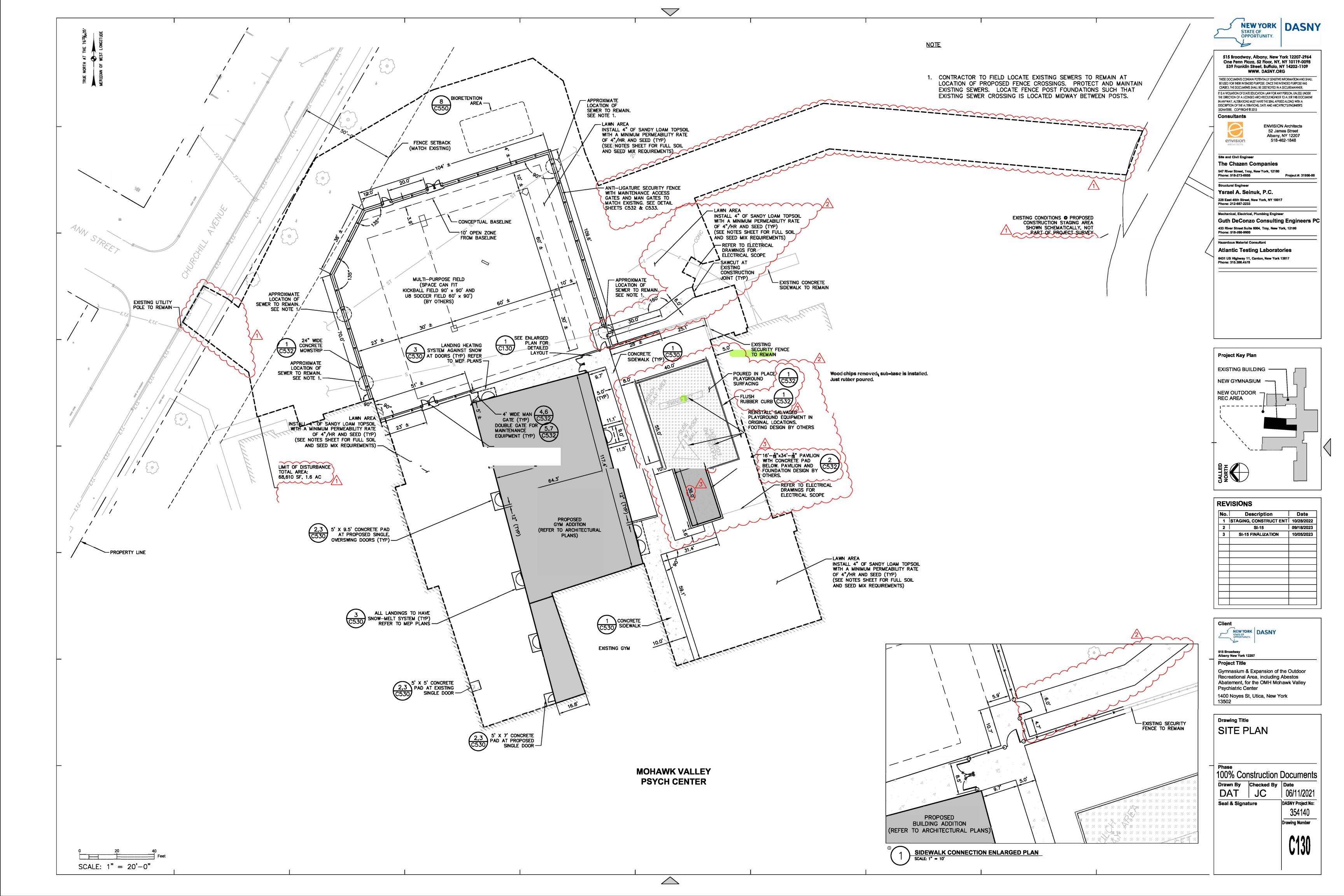


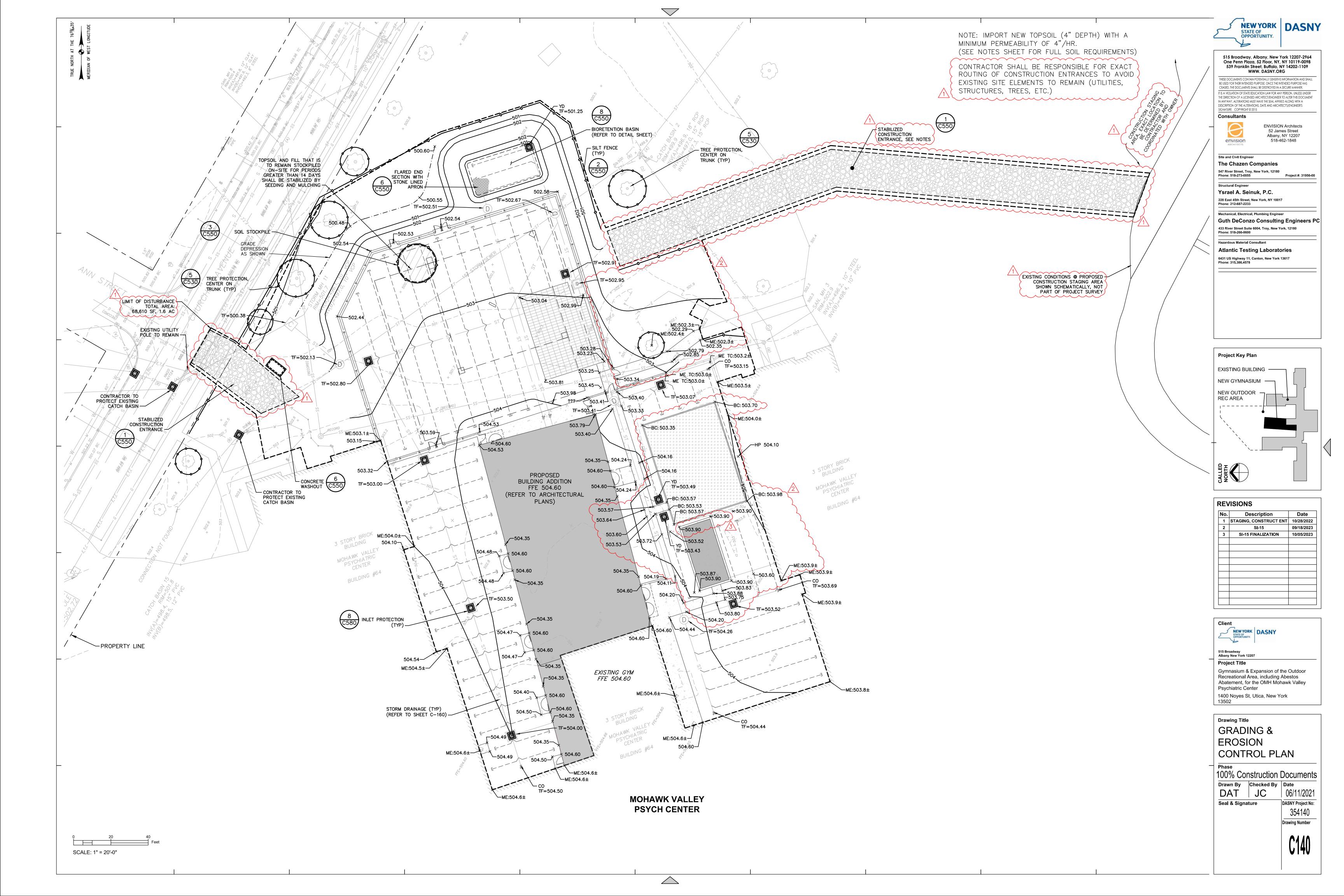
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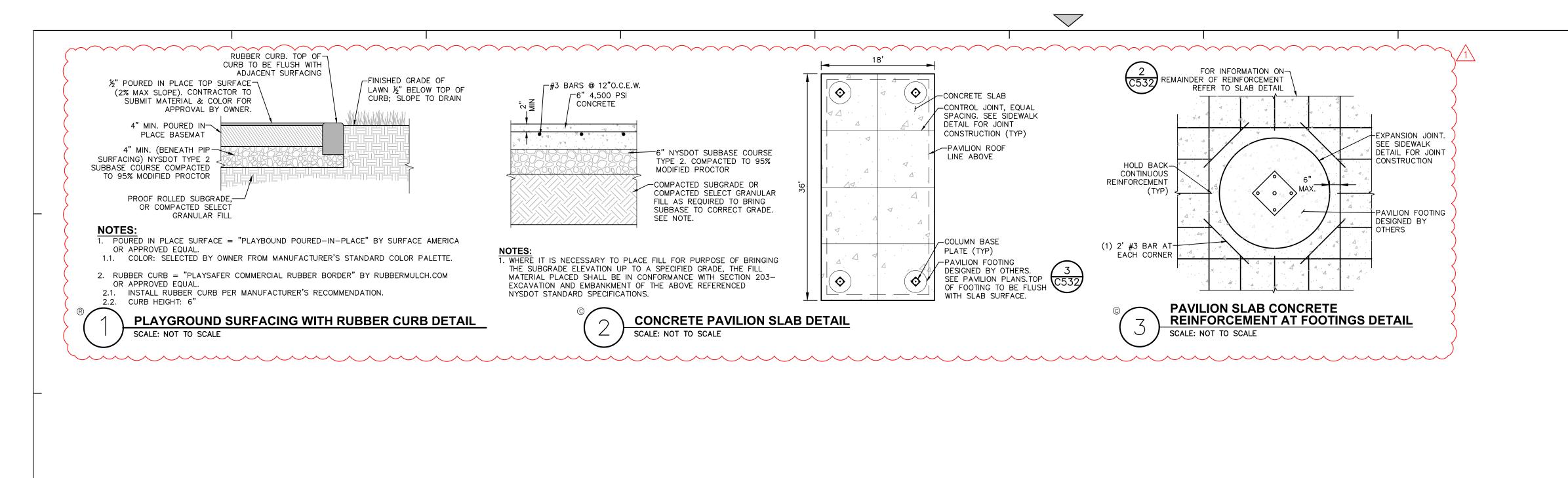


DEMOLITION AND REMOVALS PLAN

100% Construction Documents Drawn By Checked By Date 06/11/2021 DASNY Project No: 354140









515 Broadway, Albany, New York 12207-2964 One Penn Plaza, 52 Floor, NY, NY 10119-0098 539 Franklin Street, Buffalo, NY 14202-1109 WWW. DASNY.ORG

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52 James Street Albany, NY 12207 518-462-1848 Site and Civil Engineer

ENVISION Architects

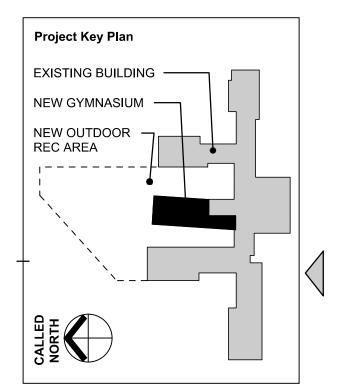
The Chazen Companies 547 River Street, Troy, New York, 12180 Phone: 518-273-0055 Structural Engineer

Ysrael A. Seinuk, P.C. 228 East 45th Street, New York, NY 10017

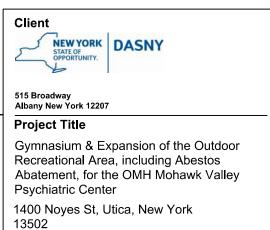
Mechanical, Electrical, Plumbing Engineer

Guth DeConzo Consulting Engineers PC 433 River Street Suite 6004, Troy, New York, 12180 Phone: 518-266-9600

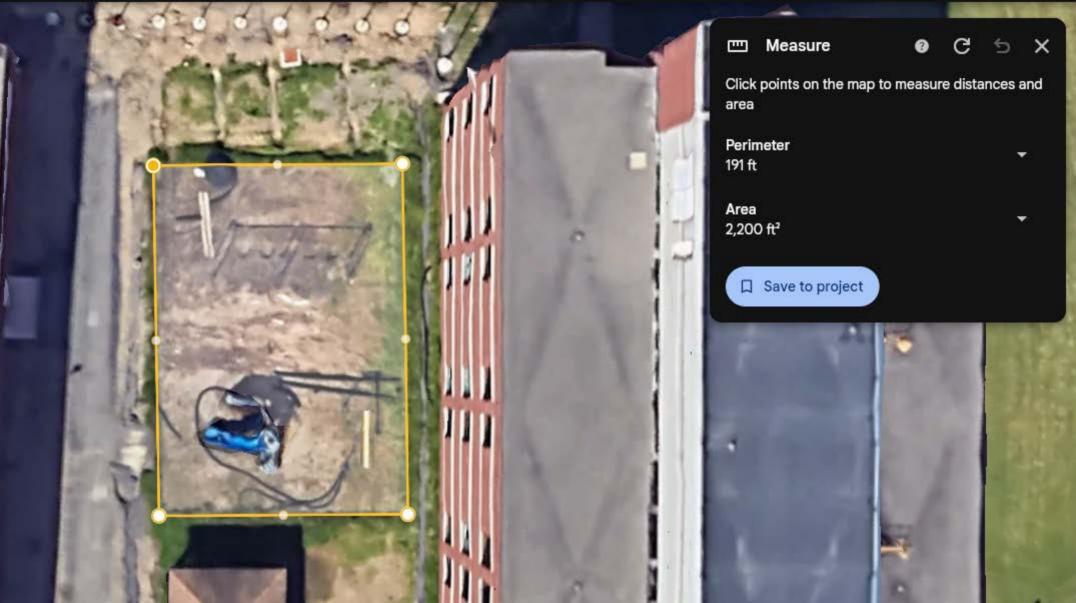
Hazardous Material Consultant **Atlantic Testing Laboratories** 6431 US Highway 11, Canton, New York 13617 Phone: 315.386.4578

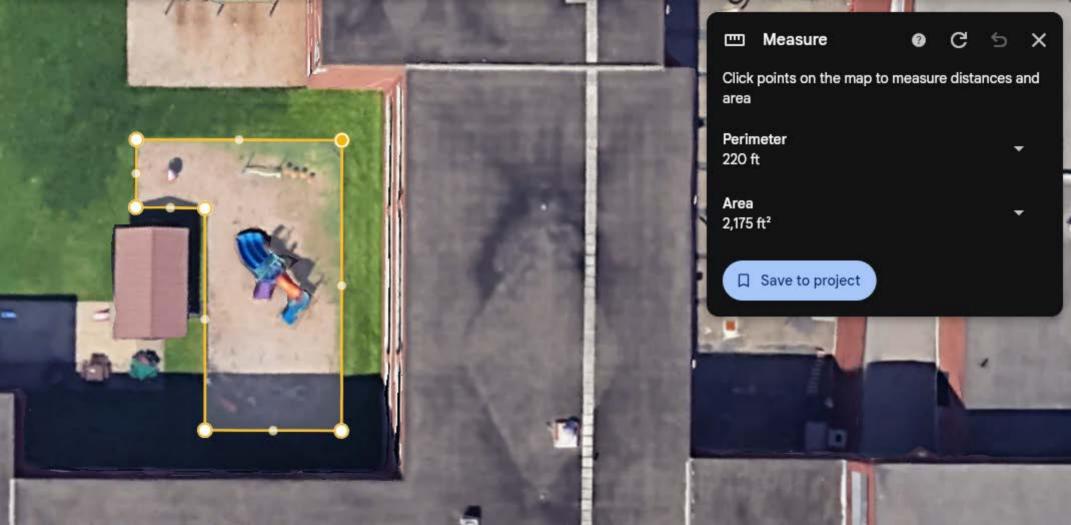


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		C532
		1 (5.1.)/





NOTICE AND INFORMATION FOR BIDDERS

Attachment C: Scope of Work and Site Logistics

Scope of Work:

Awarded Bidder shall furnish, deliver and install a poured-in place playground surfacing system per the Detailed Specifications in this Bid, including delivery and installation for the Mohawk Valley Psychiatric Center.

Additional labor is required at Playground East to remove the existing of wood chips prior to placement of product.

The Awarded Bidder is required to schedule and coordinate delivery with the point of contact provided on the purchase order.

Site Logistics:

All contractors/Vendors are to check in with DASNY when onsite.

The delivery address is:

Mohawk Valley Psychiatric Center Bldg. 64 Wright Building (Churchill Ave & Noyes St.) Utica, New York 13502

Delivery and installation shall occur between 7:30 a.m. and 4:00 p.m. For delivery and installation outside of these hours, 72 hours advance notice is required.

Parking is available at Churchill Ave and/or Cottage #50, see attached map.

Mohawk Valley Psychiatric Center



