Town of Granby is inviting you to a scheduled Zoom meeting.

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Meeting ID: 872 8302 5080

Passcode: 666822

CAPITAL PROGRAM PRIORITY ADVISORY COMMITTEE
REGULAR MEETING
MONDAY, OCTOBER 6, 2025 – 5 p.m.
TOWN HALL MEETING ROOM
5:00 P.M.

AGENDA

1. Pledge Of Allegiance
2. Minutes
   - 2.I. Approval Of CPPAC Regular Meeting Minutes - December 2, 2024

     Documents:

     CPPAC MINUTES 12022024.PDF
3. Public Comment
4. Appointments
   - 4.I. None
5. Communications
   - 5.I. Town Manager's 10-Year Capital Plan Report Compilation Background
   - 5.II. Town Bonding Process Overview - Capital Thresholds And Bonding Timeframes

     Documents:

     10 YEAR CAPITAL PLAN DOCS FOR CPPAC COMP.PDF
6. New Business
   - 6.I. Board Of Education Presentation - Capital Priorities

     Documents:

     GRANBY FIELDS MASTER BUDGET (1) COND.PDF
     GRANBY TURF FIELD 2025 (1).PDF
     GRANBY MEMORIAL HS - TRACK FIELD NEW OPTIONS - BUDGET.PDF
     07.2025 TRACK GEOTECHNICAL REPORT.PDF

7. Adjournment

TOWN OF GRANBY
CAPITAL PROGRAM PRIORITY ADVISORY COMMITTEE
SPECIAL MEETING MINUTES
DECEMBER 2, 2024

PRESENT: Margaret Chapple, Board of Selectmen; Kevin Hobson, Board of Finance; William Kennedy, Board of Finance; Heather Lombardo, Board of Education; Mark Neumann, Board of Selectmen and David Peling, Board of Education

EX OFFICIO MEMBERS PRESENT: John Adams, Treasurer; Cheri Burke, Superintendent of Schools; Mark Fiorentino, First Selectman; Michael Guarco, Chairman, Board of Finance; Monica Logan, Chairman, Board of Education and Mike Walsh, Town Manager

I. CALL TO ORDER

The meeting was called to order by temporary chairman Mark Fiorentino at 5:00 p.m.

II. APPROVAL OF MEETING MINUTES FROM FEBRUARY 27, 2019, MEETING

ON A MOTION by M. Neumann, seconded by M. Chapple, the committee voted (6-0-0) to approve the meeting minutes of February 27, 2019.

ON A MOTION by M. Neumann, seconded by D. Peling, the committee voted (6-0-0) to reorder the agenda to move Business item #8 to after Business item #4.

III. BUSINESS

a. Swear in Committee Members

The Capital Program Priority Advisory Committee members were sworn in by Town Clerk Scott Nolan.

b. Elect A Chair, Vice-Chair and Secretary

ON A MOTION by M. Neumann, seconded by D. Peling, the committee voted (6-0-0) to nominate Kevin Hobson as the Chairman of the Capital Program Priority Advisory Committee.

ON A MOTION by M. Neumann, seconded by M. Chapple, the committee voted (6-0-0) to nominate William Kennedy as the Vice-Chairman of the Capital Program Priority Advisory Committee.

ON A MOTION by K. Hobson, seconded by M. Chapple, the committee voted (6-0-0) to nominate Mark Neumann as the Secretary of the Capital Program Priority Advisory Committee.

c. Adopt Roberts Rules of Order

ON A MOTION by K. Hobson, seconded by M. Neumann, the committee voted (6-0-0) to adopt Robert's Rules of Order for meetings of the Capital Program Priorities Advisory Committee.

d. Set/Adopt Meeting Dates and Times

The committee agreed to meet regularly on the first and fourth Mondays of each month from 5:0 p.m. to 7:00 p.m.

e. Solar Placement on Town Buildings/Property – Identification/Selection Approval

A presentation on the potential use of solar power in Granby was presented to the committee to determine if the committee supported exploring the project further through the Connecticut Green Bank to reduce energy costs through renewable energy. After discussion, the committee agreed the project should move forward to the next phase with a limited scope on the type and location of panels.

f. Develop Definition of a Capital Improvement

ON A MOTION by M. Neumann, seconded by W. Kennedy, the committee voted (6-0-0) to adopt the following criteria for items to be eligible for inclusion in the capital improvement program:

1. Capital improvement items are included if the improvement cost is greater than $10,000 and the life of the improvement is more than five (5) years.
2. Capital equipment items are included if the equipment cost includes items costing more than $5,000 in 2025. All such items are required to be inventoried and depreciated.

The remainder of the agenda items under Business were deferred to the next meeting in the interest of time.

IV. PUBLIC SESSION

None

V. SCHEDULE NEXT MEETING

The next meeting of the Capital Program Priority Advisory Committee has not been scheduled.

VI. ADJOURNMENT

ON A MOTION by M. Neumann, seconded by W. Kennedy, the committee voted (6-0-0) to adjourn the meeting at 6:42 p.m.

Respectfully submitted,

Betsy Mazzotta
Recording Secretary

TOWN OF GRANBY

MEMORANDUM **DATE:** September 30, 2025

TO: The Capital Program Priority Advisory Committee Members (CPPAC)

FROM: Mike Walsh, Town Manager

REGARDING: **Transmittal of the 10-Year Town and BOE Capital Plan to CPPAC**

As you may recall, since mid-2024, the Town and Board of Education have been working to compile one capital plan list. More recently, a draft 10-Year Town and Board Capital Plan with a transmittal memo dated May 13, 2025 (see attached) identifying Town and Board Capital priorities was provided to the Board of Selectmen (BOS) for their review.

After their initial review of the draft plan, the BOS requested a number of edits to the plan which were completed over the summer.

At the recent September Board of Education (BOE) meeting, the BOE section of the capital plan was approved. Additionally, at the most recent Board of Selectmen Meeting, the entire plan was approved and referred to CPPAC.

Accordingly, based on the action taken by the Board of Selectmen, attached please find the updated 10-Year Capital Plan for the Town of Granby, including the BOE's capital needs. I have also attached a "shortened" list of capital items over $250,000.

This $250,000 threshold separates small capital items that are traditionally handled as part of the annual General Fund budget appropriation from large capital items that are periodically considered for bonding.

This shortened list will allow CPPAC to focus their efforts on the priority items over $250,000 as the next bond initiative to present to voters for approval is sized and timed.

Several other reference documents that may be helpful as these documents are reviewed are included as follows:

1. A summary of the renovation items identified by the Cossitt Building Needs Report
2. An August 14th memo from Parks and Recreation Board Chair Anthony McGovern identifying their capital priorities for investment in the parks
3. A July 16th transmittal of the Master Park Study, including all identified capital items

I will be on hand to answer any questions you may have on these materials. Thank you.

TOWN OF GRANBY

MEMORANDUM **DATE:** May 13, 2025

TO: The Granby Board of Selectmen

FROM: Mike Walsh, Town Manager

REGARDING: **Town of Granby Town and BOE 10-Year Capital Plan Approval**

Please accept the Town of Granby's 10-Year Capital Plan for the Town and Board of Education. The Town Capital Plan totals $36,279,000 while the Board of Education Capital Plan totals $33,518,325, for a grand total of $69,797,325.

These documents are being provided to you for the purpose of communicating the plan and related priorities so that the Board of Selectmen can approve the list consistent with Town of Granby Charter, Chapter 10-2, Section (d).

The capital priorities of each organization are detailed below:

The Town of Granby Capital Priorities:

1. Sewer Pump/Infrastructure Replacement	$250,000
2. Bridge Replacement/Inspection Program (Exclusive of State Reimbursement)	$2.6 million
3. Rolling Stock (PD and PW continued regular replacement)	$650,000
4. GAA 2nd Ambulance Replacement	$122,500
5. RIP – Annual Road Improvement Program	$1.1 million
6. Public Library Expansion Discussion	$4.0 million

The Town of Granby Board of Education Capital Priorities:

1. District Safety and Security Program	$ 1.2 million
2. GMHS Turf Track and Field replacement	$ 4.0 million
3. GMMS Renovate to New	$ TBD
4. Board of Education Building Roof Replacement	$100,000
5. District Facility Storage	$200,000

Based on the process the Town has traditionally followed, once the Board of Selectmen approve of the attached list, they will be forwarded to the CPPAC for further review and discussion.

I will be on hand at your meeting to answer any questions you may have on the documents or the process. Thank you.

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN POLICY DISCUSSION

Forward

The Town of Granby Charter, Section 10-2 - Finance and Taxation, outlines the duties of the Town Manager on the Budget, and in particular on the Town's capital improvement projects as follows:

"d. As a part of the annual budget or as a separate report attached thereto, the Town Manager shall present a program concerning proposed Town Capital improvement projects (municipal and school) for the ensuing fiscal year and for the four fiscal years thereafter. The Town Manager shall recommend to the Board of Selectmen those projects to be undertaken during the ensuing fiscal years and method of financing the same. The proposed municipal and school capital projects shall be analyzed jointly by the Board of Selectmen, Board of Finance, Board of Education or representatives thereof and other appropriate officials to evaluate for timing and budget impact of the proposed projects."

Ten-Year Capital Improvement Plan (CIP)

Consistent with the Granby Town Charter Section 10-2 (d) above, the Town Manager, after consultation with the Superintendent of Schools, and as part of the annual budget process, compile a Ten-Year Capital Improvement Plan (CIP).

The CIP list shall be separated between Town and Board of Education items. All listed items will be prioritized with the highest priority items being placed in year one, and lower priority items placed in succeeding years.

Additionally, each individual list shall be further separated between Large Capital Improvement items and Small Capital Improvement items. Those items with a cost of $250,000 and above shall be classified as Large Capital Improvement items and those items with a cost below $250,000 shall be classified as Small Capital Improvement items.

Capital Program Priority Advisory Committee (CPPAC) – Membership

On April 14, 1984, the Board of Selectmen of the Town of Granby created the Capital Program Priority Advisory Committee (CPPAC) for the purpose of:

1. Developing a definition of a Capital Improvement
2. Developing criteria for prioritizing Capital Improvement Projects
3. Recommending a Capital Improvement Program schedule to the Board of Selectmen.

The CPPAC committee structure includes two members from the Board of Selectmen, Board of Finance, and Board of Education, with one member from each political party, plus the Town Treasurer. These seven members of CPPAC are voting members

Additionally, Ex-Officio members include the chairs of each of those committees, the Town Manager, and the School Superintendent. Ex-Officio members are non-voting members of CPPAC.

Moving forward on an annual basis, the continued work of CPPAC will serve the Town in an advisory role during the budget process.

Funding Capital Improvement Items – Which Financial Vehicle is Used?

Bonding (used to address "Large Capital Improvement items")

Granby bonds for large capital items approximately once every seven years to maintain financial flexibility and stability.

The Town of Granby comparatively has low bonded indebtedness with about $13 million of outstanding debt as of June 30, 2024. The debt is layered from three bond issues with each having annual debt service of about $600 thousand per year, or $1.8 million in total. The Town of Granby usually issues debt over a 20-year life.

The Town desires to keep debt service stable at around $1.8 million annually. One of the bond issues is fully paid after FY26 allowing $600 thousand of debt service be programmed to fund debt service for new capital priorities.

2026 will be the "7th year" and a bonding opportunity will present itself to the Town and BOE. A bond of some amount will likely be considered, subject to voter approval.

CPPAC will work to identify capital priorities with some variation of priorities being the High School running track ($4 million) the Middle School code renovation ($5 million) and the Library expansion ($4 million).

The Town will also consider sewer pump replacements and a pickleball facility at Salmon Brook Park outside of the above bond as the cost of those items will be paid from the Sewer and Parks and Recreation Funds, respectively.

CPPAC and/or the community could change these priorities and amounts as the process unfolds.

Generally speaking, the Town of Granby issues bonds to address "Large Capital Improvement items" that can't be easily or efficiently addressed with other financing means. Using the threshold provided above, moving forward, Large Capital Improvement items will be those with a cost at or above $250,000.

General Fund Appropriation (used to address "Small Capital Improvement items")
The Town of Granby historically has embedded cash into each annual budget to provide a source of funds to allow for the funding of necessary capital improvement items that have historically been called "a Small Cap item".

In FY25, the Town and Board of Education (BOE) have "cash" in the amount of $377,000 and $625,000, respectively available to use on "Small Capital Improvement items". Using the threshold provided above, moving forward, Small Capital Improvement items will be those with a cost below $250,000.

Beginning in FY26, the Town and BOE will work to begin the process of identifying Small Capital Improvement items that more appropriately belong in the operating budget. The process to budget them in the appropriate department by transferring them out of the Small Capital Improvement funding line will more accurately present the annual operating budget.

Beginning in FY26, capital improvement items where cash is to be considered a funding source include the following types of items:

1. Road resurfacing including, but not limited to, road milling and overlays
2. Building improvements or equipment where the value is less than $250,000

Leasing
The Town of Granby historically has used tax exempt capital leasing as a method to fund certain capital improvement items. These items have also historically been called "a Small Cap item" with the leases being placed generally having a 4-year repayment schedule for capital items like public works trucks, various equipment, police vehicles, school computers, school buses, and a variety of other capital items.

Beginning in FY26, leases issued by the Town will be limited to vehicles and equipment using in the operation of the Town.

Also beginning in FY26, a 10-year Capital Improvement plan will be approved by the Board of Selectmen along with a tax-exempt lease resolution to allow for a capital equipment lease to be placed with a lease company or bank.

Further, the Town budget book will detail a schedule of leases issued by year with the accompanying payment schedule detailing the annual town obligation to each bank/lease company.

Capital Fund
The Town of Granby provides for the use of a Capital Fund. Unlike the General Fund which begins on July 1 and ends on June 30 (a fiscal year/12-month period), the Capital Fund is project based and begins when a project is funded and ends when a project is completed.

Capital Lease payments on prior capital purchases should be budgeted and paid from the annual operating General Fund budget and not passed through the Capital Fund.

The Capital Fund has no end date for budgetary purposes allowing funds to be contributed from different fiscal years and different funding sources in order to be accurately accounted for until the project is completed.

Using a Capital Fund is an important budgetary and management tool to maintain control over a complex capital project that may span several years, administrations, and employees.

Periodic reporting, like quarterly, should be made the Board of Selectmen and Board of Finance for transparency purposes.

The Accompanying 10-Year Capital Plan Worksheet

The attached Town of Granby Capital Improvement Plan for the Fiscal Years 2027 through 2036 is a working document and will regularly change to represent the ongoing assessment of both the condition of all capital items as well as the changing replacement priority based on need and the Town's ability to judiciously fund the plan.

Summary of Proposed Library Expansion Project
October 6, 2025

Situation on the Ground

The Granby Public Library does not have enough space to adequately provide library services to the community. Both the Director of Library Services (Library Director) and the Granby Library Board (Library Board) agree that the space situation at the library needs to be addressed with an expansion.

Background Work

The Library Director and the Library Board have worked cooperatively compiling expansion plans, using ARPA funding to pay for an architect to explore various sized expansion options and preliminary cost estimates.

Those options can be quantified as follows:

1. $7 million - marked improvement, but short of State recommended standards.
2. $10 million - even greater improvement, and meets State recommended standards.

The Town's Financial Situation

Granby is a very small town with above average taxes that historically has made good financial decisions to place us on a solid financial footing. However, Granby bonds for large capital items approximately once every seven years to maintain financial flexibility and stability.

2026 will be the "7th year" and a bonding opportunity will present itself to the Town and BOE. A bond of a maximum of $13 million will likely be considered, subject to voter approval. CPPAC will work to identify capital priorities with some variation of priorities being the High School running track ($4 million) the Middle School code renovation ($5 million) and the Library expansion ($4 million).

The Town will also consider sewer pump replacements and a pickleball facility at Salmon Brook Park outside of the above bond as the cost of those items will be paid from the Sewer and Parks and Recreation Funds, respectively.

CPPAC and/or the community could change these priorities and amounts as the process unfolds.

The Current Library Expansion Recommendation

After much work, thought, discussion, and consideration, the Board of Selectmen (BOS), the Library Director, and the Library Board recommend a $7 million total library expansion for the voters to consider.

Because the Library expansion renovation is budgeted at $7 million with $4 million likely coming from Town bonding, a $3 million funding gap exists.

Summary of Proposed Library Expansion Project
October 6, 2025

Enter the Capital Campaign and the search for "innovative" grants. Futuristically, the expectation is the Granby Library Association will raise at least $2 million by launching the Library Expansion Capital Campaign in the month of November, 2025.

Additionally, the Library Director will begin the search for "innovative" grants of at least $1 million so the library expansion project can commence. Normal BOS approval prior to applying for grants is necessary.

If Fundraising and Grant Searches are More Successful
Should the capital campaign and/or the grant searches prove more successful than planned, the scope and associated cost of the library expansion may increase.

If there are Project Cost Overruns
Capital Funds must be dedicated to any cost overruns as taxpayer contribution to this project will be fixed.

Other Considerations and Cautions

1. The Granby Library Association will be the repository of Capital Campaign contributions.
2. The Town and town staff can only use Town budget funds to provide neutral project information. The Town cannot promote the library expansion with town funds.
3. The Friends of the Granby Public Libraries and the Granby Library Association can promote the Library expansion, but must use their own funds to do that.
4. The Friends of the Granby Public Libraries and the Granby Library Association must remain at arm's length from all Town of Granby Library staff on the expansion project

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	CPPAC Recomm.	FY27
	Public Works Capital Items					
	Roads, Curbing, Sidewalks, Bridges, and Other Infrastructure					
2026-001	Bridge 18 - Doherty Road - Salmon Brook - 1956	Prior Bond Initiative coupled with 50% State Grant	Good	Yes		2,300,000
2026-002	Annual Road Improvement Program - subject to updated road ratings	Embedded in the Annual General Fund Appropriation	Good	No		1,100,000
2026-003	Bridge 04517 - Silver Street - E. Salmon Brook - 1969	Reviewing the work with consultants, may go lower	Good	Yes		300,000
	Sub Total					**3,700,000**
	Public Works Capital Items					
	Rolling Stock					
2026-100	Dump Truck with Plow and Sander - 6 Wheeler - Truck 4	Tax Exempt Capital Lease - Part of Annual Budget Process	Good	No		335,000
2026-101	Dump Truck with Plow and Sander - 6 Wheeler - Truck 6 - FWD	Tax Exempt Capital Lease - Part of Annual Budget Process	Good	No		345,000
	Sub Total					**680,000**
	Public Works Buildings and Infrastructure					
	Public Works					
2026-300	Pumping Station - 166 Salmon Brook Street	Funding (Direct or Debt Service) will come from the Sewer Fund	Good	No		108,000
2026-301	Pumping Station - Route 189	Funding (Direct or Debt Service) will come from the Sewer Fund	Good	No		87,000
2026-302	Pumping Station Generator - 166 Salmon Brook Street	Funding (Direct or Debt Service) will come from the Sewer Fund	Good	No		54,000
	Sub Total	CPPAC to make an amount and timeline recommendation			>>>>>>>>	**249,000**
	Public Works Buildings and Infrastructure					
	Library Department					
2026-400	Main Library Expansion	CPPAC to make an amount and timeline recommendation	Good	Yes	>>>>>>>>	7,000,000
	Sub Total					**7,000,000**
	Public Works Buildings and Infrastructure					
	Community Services (Senior, Youth, Parks and Recreation)					
2026-500	Parks Master Plan - SBP - Route 20 Path to Soccer Fields	State STEAP Grant Award with Town Match	Good	Yes		700,000
2026-501	Parks Master Plan - SBP - Pickleball Courts and relocation of Lacrosse Fields	Funding (Direct or Debt Service) will come from the P and R Fund	Good	Yes	>>>>>>>>	500,000
	Sub Total	CPPAC to make an amount and timeline recommendation				**1,200,000**
	Total Town					**12,829,000**
	Board of Education					
	Granby Memorial High School					
2026-650	Turf/Track Field - includes excavation and recompaction	CPPAC to make an amount and timeline recommendation	Good	Yes	>>>>>>>>	4,000,000
	Sub Total					**4,000,000**
	Board of Education					
	Granby Memorial Middle School					
2026-700	Renovate to new	CPPAC to make an amount and timeline recommendation	Good	Yes	>>>>>>>>	20,000,000
2026-701	Renovate "in kind" (supports status quo) - no sprinklers	CPPAC to make an amount and timeline recommendation	Good	Yes		3,100,000
	Sub Total					**23,100,000**
	Board of Education					
	Central Services Building					
2026-850	Security Initiative - Whole District ($850k in place via Small Cap)	$850,000 already in place via Town's Capital Fund	Good	No		1,200,000
	Sub Total					**1,200,000**
	Total Board of Education					**28,300,000**
	Total Town and Board of Education					**41,129,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Capital Items											
	Roads, Curbing, Sidewalks, Bridges, and Other Infrastructure											-
2026-001	Bridge 18 - Doherty Road - Salmon Brook - 1956		Good	Yes	-	2,300,000	-	-	-	-	-	2,300,000
2026-002	Annual Road Improvement Program - subject to updated road ratings		Good	No	-	1,100,000	1,100,000	1,200,000	2,500,000	2,700,000	4,200,000	12,800,000
2026-003	Bridge 04517 - Silver Street - E. Salmon Brook - 1969		Good	Yes	-	300,000	-	-	-	-	-	300,000
2026-004	Unidentified Culverts/Drainage		Good	No	-	50,000	50,000	50,000	100,000	100,000	150,000	500,000
2026-005	Curbing, Sidewalks, Other Road Related Infrastructure		Good	No	-	25,000	25,000	25,000	50,000	50,000	75,000	250,000
2026-006	Bridge Inspections		Good	Yes	-	15,000	15,000	15,000	30,000	30,000	45,000	150,000
2026-007	Bridge 06196 - Thornebrook Dr. - Higley Brook - 1990		Good	Yes	-	-	20,000	80,000	-	-	-	100,000
2026-008	Bridge 04518 - East Street - E. Salmon Brook - 1937		Good	Yes	-	-	20,000	80,000	-	-	-	100,000
2026-009	Town Center Study - sidewalks north side of East Granby Road		Good	Yes	-	-	-	120,000	-	-	-	120,000
2026-010	Bridge 04519 - Wells Road - E. Salmon Brook - 1956		Good	Yes	-	-	-	-	4,000,000	-	-	4,000,000
2026-011	Bridge 04523 - Simsbury Road - Bissell Brook - 1956		Good	Yes	-	-	-	-	4,000,000	-	-	4,000,000
2026-012	Bridge 04526 - Board Hill Road - W. Salmon Brook - 1956		Good	Yes	-	-	-	-	4,000,000	-	-	4,000,000
2026-013	POCD - sidewalks to connect from Route 20 Parking Lot to Town Hall		Good	Yes	-	-	-	-	-	-	250,000	250,000
2026-014	Bridge 04525 - Simsbury Road - W. Salmon Brook - 1956		Good	Yes	-	-	-	-	-	-	-	-
2026-015	Bridge CDOT SPN 55-144 Moosehorn 2019		Good	Yes	-	-	-	-	-	-	-	-
2026-016	Bridge CDOT 055002 Griffin Road 2019		Good	Yes	-	-	-	-	-	-	-	-
2026-017	Bridge CDOT 05010 Hungary Road 2019		Good	Yes	-	-	-	-	-	-	-	-
2026-018	Bridge CDOT SPN 55-146 Donahue 2019		Good	Yes	-	-	-	-	-	-	-	-
2026-019	Bridge 04520 - East Street - Bradley Brook - 1937		Good	Yes	-	-	-	-	-	-	-	-
2026-020	Bridge 04521 - Mechanicsville - E. Salmon Brook - 1969		Good	Yes	-	-	-	-	-	-	-	-
2026-021	Bridge 04524 - Barn Door Hills - W. Salmon Brook - 1956		Good	Yes	-	-	-	-	-	-	-	-
2026-022	Bridge 04530 - Doherty Road - Carson Pond Brook - 1956		Good	Yes	-	-	-	-	-	-	-	-
2026-023	Bridge 04531 - Meadowbrook - Bradley Brook - 1956		Good	Yes	-	-	-	-	-	-	-	-
2026-024	Bridge 06197 - Northwoods Road - E. Salmon Brook - 1982		Good	Yes	-	-	-	-	-	-	-	-
	Sub Total					**3,790,000**	**1,230,000**	**1,570,000**	**14,680,000**	**2,880,000**	**4,720,000**	**28,870,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Capital Items											
	Rolling Stock											
2026-100	Dump Truck with Plow and Sander - 6 Wheeler - Truck 4		Good	No	-	335,000	-	-	-	-	-	335,000
2026-101	Dump Truck with Plow and Sander - 6 Wheeler - Truck 6 - FWD		Good	No	-	345,000	-	-	-	-	-	345,000
2026-102	Pickup Truck - Mid-size - Truck 19		Good	No	-	160,000	-	-	-	-	-	160,000
2026-103	Van - Senior Transport		Good	Yes	-	100,000	-	-	100,000	-	-	200,000
2026-104	Dump Truck with Plow and Sander - 6 Wheeler - Truck 1		Good	No	-	-	335,000	-	-	-	-	335,000
2026-105	Loader - #23		Good	No	-	-	95,000	-	-	-	-	95,000
2026-106	Pickup Truck - Mid-size - Truck 12		Good	No	-	-	90,000	-	-	-	-	90,000
2026-107	Dump Truck with Plow and Sander - 6 Wheeler - Truck 5		Good	No	-	-	-	305,000	-	-	-	305,000
2026-108	Loader - #20		Good	No	-	-	-	-	750,000	-	-	750,000
2026-109	Backhoe - #22		Good	No	-	-	-	-	190,000	-	-	190,000
2026-110	Pickup Truck - Mid-size - Truck 14		Good	No	-	-	-	-	90,000	-	-	90,000
2026-111	Roller - 1 Ton - #64		Good	No	-	-	-	-	20,000	-	-	20,000
2026-112	Dump Truck with Plow and Sander - 6 Wheeler - Truck 17		Good	No	-	-	-	-	-	400,000	-	400,000
2026-113	Dump Truck with Plow and Sander - 6 Wheeler - Truck 18		Good	No	-	-	-	-	-	400,000	-	400,000
2026-114	Pickup Truck - Mid-size - Truck 11		Good	No	-	-	-	-	-	90,000	-	90,000
2026-115	Pickup Truck - Mid-size - Truck 130		Good	No	-	-	-	-	-	85,000	-	85,000
2026-116	Pickup Truck - Mid-size - Truck 13		Good	No	-	-	-	-	-	65,000	-	65,000
2026-117	Pickup Truck - Mid-size - Truck 15		Good	No	-	-	-	-	-	65,000	-	65,000
2026-118	Trailer - #38		Good	No	-	-	-	-	-	10,000	-	10,000
2026-119	Trailer - #34		Good	No	-	-	-	-	-	8,000	-	8,000
2026-120	Trailer - #37		Good	No	-	-	-	-	-	8,000	-	8,000
2026-121	Dump Truck with Plow and Sander - 6 Wheeler - Truck 2		Good	No	-	-	-	-	-	-	400,000	400,000
2026-122	Dump Truck with Plow and Sander - 6 Wheeler - Truck 3		Good	No	-	-	-	-	-	-	400,000	400,000
2026-123	Sweeper - #62		Good	No	-	-	-	-	-	-	400,000	400,000
2026-124	Dump Truck with Plow and Sander - 10 Wheeler - Truck 7		Good	No	-	-	-	-	-	-	335,000	335,000
2026-125	Backhoe - #23		Good	No	-	-	-	-	-	-	195,000	195,000
2026-126	Excavator - #25		Good	No	-	-	-	-	-	-	145,000	145,000
2026-127	Skid steer - #8		Good	No	-	-	-	-	-	-	100,000	100,000
2026-128	Pickup Truck - Mid-size - Truck 16		Good	No	-	-	-	-	-	-	90,000	90,000
2026-129	Pickup Truck - Mid-size - Truck 10		Good	No	-	-	-	-	-	-	90,000	90,000
2026-130	Director vehicle		Good	No	-	-	-	-	-	-	65,000	65,000
2026-131	Trailer - #35		Good	No	-	-	-	-	-	-	65,000	65,000
2026-132	Roller - 3 Ton - #60		Good	No	-	-	-	-	-	-	30,000	30,000
2026-133	Trailer - #31		Good	No	-	-	-	-	-	-	20,000	20,000
2026-134	Trailer - #32		Good	No	-	-	-	-	-	-	15,000	15,000
2026-135	Trailer - #33		Good	No	-	-	-	-	-	-	8,000	8,000
	Sub Total					**940,000**	**520,000**	**305,000**	**1,150,000**	**1,131,000**	**2,358,000**	**6,404,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Capital Items											
	Operating Equipment											
2026-200	Portable Pipe Cleaner		Good	No	-	20,000	-	-	-	-	-	20,000
2026-201	Traffic Counter		Good	No	-	8,000	-	-	-	-	-	8,000
2026-202	Paving Box - #39		Good	No	-	-	300,000	-	-	-	-	300,000
2026-203	Roadside Mower - #24		Good	No	-	-	125,000	-	-	-	-	125,000
2026-204	Mower - #50		Good	No	-	-	80,000	-	-	-	-	80,000
2026-205	Roadside Mower Head		Good	No	-	-	-	60,000	-	-	-	60,000
2026-206	Mower - #51		Good	No	-	-	-	25,000	-	-	-	25,000
2026-207	Tractor - #21		Good	No	-	-	-	-	65,000	-	-	65,000
2026-208	Portable welder/generator - #48		Good	No	-	-	-	-	5,000	-	-	5,000
2026-209	Screening Plant - #28		Good	No	-	-	-	-	-	40,000	-	40,000
2026-210	Mower - #52		Good	No	-	-	-	-	-	30,000	-	30,000
2026-211	Curbing Machine - #69		Good	No	-	-	-	-	-	8,000	-	8,000
2026-212	Roadside Mower Head		Good	No	-	-	-	-	-	-	195,000	195,000
2026-213	Lift - #68		Good	No	-	-	-	-	-	-	125,000	125,000
2026-214	Wood Chipper - #27		Good	No	-	-	-	-	-	-	60,000	60,000
2026-215	Tractor - #55		Good	No	-	-	-	-	-	-	30,000	30,000
2026-216	Mower - #53		Good	No	-	-	-	-	-	-	30,000	30,000
2026-217	Mower - #54		Good	No	-	-	-	-	-	-	30,000	30,000
2026-218	RTV - #57		Good	No	-	-	-	-	-	-	30,000	30,000
2026-219	Road Saw - #61		Good	No	-	-	-	-	-	-	15,000	15,000
	Sub Total					**28,000**	**505,000**	**85,000**	**70,000**	**78,000**	**515,000**	**1,281,000**
												-

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Town Hall Capital Items											
	Miscellaneous Furniture, Fixtures, and Equipment											
2026-250	Capital Contribution to GAA (1/3 of two new ambulances)		Good	No	-	122,500	-	-	-	-	-	122,500
2026-251	Servers		Good	No	-	30,000	30,000	-	-	60,000	60,000	180,000
2026-252	Furn., Fixtures, & Equipment		Good	No	-	10,000	10,000	10,000	25,000	25,000	25,000	105,000
2026-253	Oil Boilers and Tanks Equipment Removal		Good	No	-	-	150,000	-	-	-	-	150,000
2026-254	Wifi Access Points		Good	No	-	-	-	49,500	-	-	49,500	99,000
2026-255	Security Camera Equipment and Storage		Good	No	-	-	-	10,000	-	10,000	10,000	30,000
2026-256	Townwide PCs and Monitors		Good	No	-	-	-	-	127,500	-	127,500	255,000
2026-257	Townwide Laptops		Good	No	-	-	-	-	100,000	-	100,000	200,000
2026-258	Network Switches		Good	No	-	-	-	-	75,000	75,000	150,000	300,000
2026-259	Redundant Firewalls		Good	No	-	-	-	-	40,000	-	40,000	80,000
2026-260	Avaya Phone System J179 2023		Good	No	-	-	-	-	-	-	50,000	50,000
	Sub Total					**162,500**	**190,000**	**69,500**	**367,500**	**170,000**	**612,000**	**1,571,500**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Buildings and Infrastructure											
	Public Works											
2026-300	Pumping Station - 166 Salmon Brook Street		Good	No	-	108,000	-	-	-	-	-	108,000
2026-301	Pumping Station - Route 189		Good	No	-	87,000	-	-	-	-	-	87,000
2026-302	Pumping Station Generator - 166 Salmon Brook Street		Good	No	-	54,000	-	-	-	-	-	54,000
2026-303	DPW Interior Drainage Repairs		Good	No	-	16,000	-	-	-	-	-	16,000
2026-304	DPW Install Stairway from Mezzanine to Ground		Good	No	-	15,000	-	-	-	-	-	15,000
2026-305	DPW Garage Roof Replacement		Good	No	-	11,000	100,000	-	-	-	-	111,000
2026-306	DPW Overhead/Passage Doors/Doors		Good	No	-	8,000	8,000	8,000	14,000	12,000	68,000	118,000
2026-307	DPW Fuel Pump Station Concrete Repairs		Good	No	-	-	10,000	-	-	-	-	10,000
2026-308	DPW Salt Storage Repairs		Good	No	-	-	-	18,000	-	-	-	18,000
2026-309	DPW Furnace/AC Replcmt.		Good	No	-	-	-	15,000	-	15,000	-	30,000
2026-310	DPW Furniture/Fixtures/Apparatus		Good	No	-	-	-	5,000	5,000	-	-	10,000
2026-311	DPW Cold Storage Renovation/Build		Good	No	-	-	-	-	50,000	-	-	50,000
2026-312	DPW Window Replacement		Good	No	-	-	-	-	18,000	-	-	18,000
2026-313	DPW Ceiling Tiles/Duct Cleaning/Painting		Good	No	-	-	-	-	8,000	-	-	8,000
2026-314	DPW Salt Shed		Good	No	-	-	-	-	-	-	315,000	315,000
2026-315	Transfer Station - 7 Sheds		Good	No	-	-	-	-	-	-	108,000	108,000
2026-316	Transfer Station Building Replacement		Good	No	-	-	-	-	-	-	100,000	100,000
2026-317	DPW Generator		Good	No	-	-	-	-	-	-	54,000	54,000
2026-318	DPW Exterior Building Repairs & Roof		Good	No	-	-	-	-	-	-	50,000	50,000
2026-319	DPW Garage Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	50,000	50,000
2026-320	DPW Garage HVAC Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-321	DPW Garage Window/Door Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-322	DPW Garage Plumbing Repairs		Good	No	-	-	-	-	-	-	5,000	5,000
	Sub Total					**299,000**	**118,000**	**46,000**	**95,000**	**27,000**	**800,000**	**1,385,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Buildings and Infrastructure											
	Police Department											
2026-350	Police Station HVAC Replacement		Good	No	-	10,000	10,000	10,000	-	-	2,700,000	2,730,000
2026-351	Police Station Repointing and Masonry Repairs		Good	No	-	5,000	-	-	-	-	250,000	255,000
2026-352	Police Station Roof Replacement		Good	No	-	-	-	-	-	-	250,000	250,000
2026-353	Police Station Window/Doors Replacement		Good	No	-	-	-	-	-	-	150,000	150,000
2026-354	Police Station Plumbing Repairs		Good	No	-	-	-	-	-	-	50,000	50,000
2026-355	Animal Shelter HVAC Replacement		Good	No	-	-	-	-	-	-	15,000	15,000
2026-356	Animal Shelter Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	15,000	15,000
2026-357	Animal Shelter Roof Replacement		Good	No	-	-	-	-	-	-	15,000	15,000
2026-358	Animal Shelter Window/Door Replacement		Good	No	-	-	-	-	-	-	10,000	10,000
2026-359	Animal Shelter Plumbing Repairs		Good	No	-	-	-	-	-	-	5,000	5,000
	Sub Total					**15,000**	**10,000**	**10,000**	**-**	**-**	**3,460,000**	**3,495,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Buildings and Infrastructure											
	Library Department											
2026-400	Main Library Expansion		Good	Yes		7,000,000	-	-	-	-	-	7,000,000
2026-401	GPL Generator		Good	No	-	65,000	-	-	-	-	-	65,000
2026-402	GPL Hang French Door to Reading Rm		Good	No	-	20,000	-	-	-	-	-	20,000
2026-403	GPL Automatic Entry Doors Replacement		Good	No	-	15,000	-	-	-	-	-	15,000
2026-404	GPL Book Drops Replacement		Good	No	-	12,000	-	-	-	-	-	12,000
2026-405	GPL New Library Signage		Good	No	-	-	10,000	-	-	-	-	10,000
2026-406	GPL Rear Staff Entrance & Parking: ADA Compliance		Good	No	-	-	-	25,000	-	-	-	25,000
2026-407	GPL EV Charging Stations		Good	Yes	-	-	-	-	37,000	-	-	37,000
2026-408	Cossitt Library Downstairs Entrance		Good	No	-	-	-	-	20,000	-	-	20,000
2026-409	Cossitt Library Septic System		Good	No	-	-	-	-	10,000	-	-	10,000
2026-410	Main Library HVAC Replacement		Good	No	-	-	-	-	-	-	4,100,000	4,100,000
2026-411	Cossitt Historically Based Capital Replacement items (please see the detailed list)		Good	Yes	-	-	-	-	-	-	493,500	493,500
2026-412	Main Library Roof Replacement		Good	No	-	-	-	-	-	-	250,000	250,000
2026-413	Main Library Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	125,000	125,000
2026-414	Main Library Window/Door Replacement		Good	No	-	-	-	-	-	-	75,000	75,000
2026-415	Cossitt Library Window/Door Replacement		Good	No	-	-	-	-	-	-	45,000	45,000
2026-416	Cossitt Library HVAC Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-417	Cossitt Library Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	25,000	25,000
2026-418	Cossitt Library Roof Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-419	Main Library Plumbing Repairs		Good	No	-	-	-	-	-	-	20,000	20,000
2026-420	Cossitt Library Plumbing Repairs		Good	No	-	-	-	-	-	-	20,000	20,000
	Sub Total					**7,112,000**	**10,000**	**25,000**	**67,000**	**-**	**5,203,500**	**12,417,500**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Buildings and Infrastructure											
	Town Hall											
2026-450	TH Town Clerk Land Record Book Shelving		Good	No	-	30,000	-	-	-	-	-	30,000
2026-451	TH Town Clerk Vault Door Replacement		Good	No	-	20,000	-	-	-	-	-	20,000
2026-452	Town Hall Window/Door Replacement		Good	No	-	15,000	15,000	15,000	15,000	-	250,000	310,000
2026-453	TH Town Clerk Central Filing System		Good	No	-	-	50,000	-	-	-	-	50,000
2026-454	TH Town Clerk Non-combustible Flooring		Good	No	-	-	25,000	-	-	-	-	25,000
2026-455	Town Hall HVAC Replacement/Town Clerk Vault HVAC		Good	No	-	-	15,000	30,000	-	-	4,100,000	4,145,000
2026-456	Town Hall Roof Replacement		Good	No	-	-	-	-	-	-	250,000	250,000
2026-457	83 Salmon Brook Street Building (Freshies)		Good	No	-	-	-	-	-	-	75,000	75,000
2026-458	Town Hall Generator		Good	No	-	-	-	-	-	-	54,000	54,000
2026-459	Town Hall Plumbing Repairs		Good	No	-	-	-	-	-	-	50,000	50,000
2026-460	Town Hall Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	50,000	50,000
2026-461	Gazebo - Town Center		Good	No	-	-	-	-	-	-	25,000	25,000
2026-462	Drummer Building - 11 North Granby Road		Good	No	-	-	-	-	-	-	10,000	10,000
	Sub Total					**65,000**	**105,000**	**45,000**	**15,000**	**-**	**4,864,000**	**5,094,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Public Works Buildings and Infrastructure											
	Community Services (Senior, Youth, Parks and Recreation)											
2026-500	Parks Master Plan - SBP - Route 20 Path to Soccer Fields		Good	Yes	-	700,000	-	-	-	-	-	700,000
2026-501	Parks Master Plan - SBP - Pickleball Courts and relocation of Lacrosse Fields		Good	Yes	-	500,000	-	-	-	-	-	500,000
2026-502	SBP - STEAP Grant Match		Good	No	-	150,000	-	-	-	-	-	150,000
2026-503	SBP Bathroom (Renovation or additional)		Good	No	-	100,000	-	-	-	-	-	100,000
2026-504	SBP Storage Garage		Good	No	-	50,000	-	-	-	-	-	50,000
2026-505	HF - Siding		Good	Yes	-	50,000	-	-	-	-	-	50,000
2026-506	SC Furniture		Good	No	-	40,000	-	-	-	-	40,000	80,000
2026-507	SBP Stairlift for Storage		Good	No	-	10,000	-	-	-	-	-	10,000
2026-508	SBP Ductless Air Splits		Good	No	-	10,000	-	-	-	-	-	10,000
2026-509	SBP Lifeguard Chair replacement		Good	No	-	8,500	-	-	-	-	-	8,500
2026-510	HF - Stone Dust Path		Good	No	-	5,000	-	-	-	-	-	5,000
2026-511	SBP Swim Building Rebuild		Good	No	-	-	-	100,000	-	-	-	100,000
2026-512	SC Carpet Replacement		Good	No	-	-	-	25,000	-	-	-	25,000
2026-513	Senior/Youth Center HVAC Replacement		Good	No	-	-	-	-	-	-	2,300,000	2,300,000
2026-514	Parks Master Plan - SBP - Restroom		Good	Yes	-	-	-	-	-	-	1,000,000	1,000,000
2026-515	Parks Master Plan - SBP - Skatepark		Good	Yes	-	-	-	-	-	-	1,000,000	1,000,000
2026-516	Parks Master Plan - Ahrens - Pump Track		Good	Yes	-	-	-	-	-	-	1,000,000	1,000,000
2026-517	Parks Master Plan - SBP - Relocation of Ballfields 3 and 5		Good	Yes	-	-	-	-	-	-	600,000	600,000
2026-518	Parks Master Plan - SBP - Playground ages 5-12		Good	Yes	-	-	-	-	-	-	600,000	600,000
2026-519	Parks Master Plan - SBP - Upgraded Ballfields		Good	Yes	-	-	-	-	-	-	600,000	600,000
2026-520	Parks Master Plan - Ahrens - Playground		Good	Yes	-	-	-	-	-	-	600,000	600,000
2026-521	Parks Master Plan - SBP - Natureplay Playscape		Good	Yes	-	-	-	-	-	-	500,000	500,000
2026-522	Parks Master Plan - Ahrens - Pickleball Counts		Good	Yes	-	-	-	-	-	-	500,000	500,000
2026-523	Parks Master Plan - SBP - Exercise Stations		Good	Yes	-	-	-	-	-	-	400,000	400,000
2026-524	Parks Master Plan - Ahrens - Football Field Lighting		Good	Yes	-	-	-	-	-	-	400,000	400,000
2026-525	Parks Master Plan - SBP - Splashpad		Good	Yes	-	-	-	-	-	-	350,000	350,000
2026-526	Parks Master Plan - SBP - New Parking Lot		Good	Yes	-	-	-	-	-	-	350,000	350,000
2026-527	Parks Master Plan - SBP - Route 20 Parking Lot Renovations		Good	Yes	-	-	-	-	-	-	350,000	350,000
2026-528	Parks Master Plan - Ahrens - Expanded Parking		Good	Yes	-	-	-	-	-	-	350,000	350,000
2026-529	Parks Master Plan - SBP - Electrical, Water, Sanitary Expansion		Good	Yes	-	-	-	-	-	-	300,000	300,000
2026-530	Parks Master Plan - Ahrens - Paved Walking Path		Good	Yes	-	-	-	-	-	-	300,000	300,000
2026-531	Holcomb Farm Roof Replacement		Good	No	-	-	-	-	-	-	250,000	250,000
2026-532	Holcomb Farm Window/Door Replacement		Good	No	-	-	-	-	-	-	250,000	250,000
2026-533	Parks Master Plan - Reconfigure Public Works Parking for Greater Utilization		Good	Yes	-	-	-	-	-	-	250,000	250,000
2026-534	Parks Master Plan - SBP - 3 Way Stop Intersection		Good	Yes	-	-	-	-	-	-	200,000	200,000
2026-535	Parks Master Plan - SBP - Accessible Walkways, including Band Shell		Good	Yes	-	-	-	-	-	-	200,000	200,000
2026-536	Senior/Youth Center Roof Replacement		Good	No	-	-	-	-	-	-	175,000	175,000
2026-537	SBP Main Office Building Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	150,000	150,000
2026-538	SBP Main Office Building Roof Replacement		Good	No	-	-	-	-	-	-	150,000	150,000
2026-539	SBP Small Playground Replacement		Good	No	-	-	-	-	-	-	150,000	150,000
2026-540	Parks Master Plan - Ahrens - Hiking Trails		Good	Yes	-	-	-	-	-	-	100,000	100,000
2026-541	Senior/Youth Center Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	100,000	100,000
2026-542	SBP Band Shell Roof Replacement		Good	No	-	-	-	-	-	-	75,000	75,000
2026-543	Senior/Youth Center Window/Door Replacement		Good	No	-	-	-	-	-	-	75,000	75,000
2026-544	Senior/Youth Center - Generator		Good	No	-	-	-	-	-	-	54,000	54,000
2026-545	Parks Master Plan - SBP - Seating along Walking Path		Good	Yes	-	-	-	-	-	-	50,000	50,000
2026-546	Parks Master Plan - SBP - Landscaped Entrances, Memorials		Good	Yes	-	-	-	-	-	-	50,000	50,000
2026-547	Pond Dredging		Good	No	-	-	-	-	-	-	50,000	50,000
2026-548	Holcomb Farm Dwelling HVAC Replacement		Good	No	-	-	-	-	-	-	50,000	50,000
2026-549	Holcomb Farm Dwelling Window/Door Replacement		Good	No	-	-	-	-	-	-	50,000	50,000
2026-550	Holcomb Farm HVAC Replacement		Good	No	-	-	-	-	-	-	50,000	50,000
2026-551	Holcomb Farm Plumbing Repairs		Good	No	-	-	-	-	-	-	50,000	50,000
2026-552	Holcomb Farm Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	50,000	50,000
2026-553	SBP Main Office Building HVAC Replacement		Good	No	-	-	-	-	-	-	50,000	50,000

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
2026-554	SBP Main Office Building Window/Door Replacement		Good	No	-	-	-	-	-	-	30,000	30,000
2026-555	SBP Rec Building Roof Repair		Good	No	-	-	-	-	-	-	25,000	25,000
2026-556	Generator for SBP Parkhouse		Good	No	-	-	-	-	-	-	25,000	25,000
2026-557	Generator for NB Pavilion		Good	No	-	-	-	-	-	-	25,000	25,000
2026-558	Bathhouse Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	25,000	25,000
2026-559	Bathhouse Roof Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-560	Holcomb Farm Dwelling Plumbing Repairs		Good	No	-	-	-	-	-	-	25,000	25,000
2026-561	Holcomb Farm Dwelling Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	25,000	25,000
2026-562	Holcomb Farm Dwelling Roof Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-563	SBP Main Office Building Plumbing Repairs		Good	No	-	-	-	-	-	-	25,000	25,000
2026-564	SBP Pond Dock Replacement		Good	No	-	-	-	-	-	-	25,000	25,000
2026-565	Senior/Youth Center Plumbing Repairs		Good	No	-	-	-	-	-	-	25,000	25,000
2026-566	Digital Sign SBP Entrance		Good	No	-	-	-	-	-	-	15,000	15,000
2026-567	Bathhouse Window/Door Replacement		Good	No	-	-	-	-	-	-	15,000	15,000
2026-568	Parks Master Plan - Ahrens - Lacrosse Fields Addition		Good	Yes	-	-	-	-	-	-	10,000	10,000
2026-569	Bathhouse Plumbing Repairs		Good	No	-	-	-	-	-	-	5,000	5,000
2026-570	SBP Band Shell Plumbing Repairs		Good	No	-	-	-	-	-	-	5,000	5,000
2026-571	SBP Band Shell Window/Door Replacement		Good	No	-	-	-	-	-	-	5,000	5,000
2026-572	SBP Band Shell Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	5,000	5,000
2026-573	Bathhouse HVAC Replacement		Good	No	-	-	-	-	-	-	-	-
2026-574	SBP Band Shell HVAC Replacement		Good	No	-	-	-	-	-	-	-	-
	Sub Total					**1,623,500**	**-**	**125,000**	**-**	**-**	**14,534,000**	**16,282,500**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Police Department Capital Items											
	Rolling Stock and Equipment											
2026-575	Police Cruiser VID #20		Good	No	-	70,000	-	-	-	-	-	70,000
2026-576	Police Cruiser VID #10		Good	No	-	65,000	-	-	-	-	-	65,000
2026-577	PD Fire Alarm Panel Replacement		Good	No	-	11,000	-	-	-	-	-	11,000
2026-578	PD Window Security Protection		Good	No	-	7,000	-	-	-	-	-	7,000
2026-579	Police Mobile Data Terminal (MDT) x6		Good	No	-	5,000	5,000	5,000	5,000	5,000	5,000	30,000
2026-580	PD Stairway Replacement		Good	No	-	-	90,000	-	-	-	-	90,000
2026-581	Police Cruiser VID #40		Good	No	-	-	70,000	-	-	-	-	70,000
2026-582	Police Cruiser VID #30		Good	No	-	-	65,000	-	-	-	-	65,000
2026-583	PD Impound Lot Upgrades		Good	No	-	-	20,000	-	-	-	-	20,000
2026-584	PD AEDs for Cruisers		Good	No	-	-	5,000	5,000	5,000	5,000	15,000	35,000
2026-585	Police/TH Video Security System		Good	No	-	-	5,000	-	5,000	-	5,000	15,000
2026-586	PD Electric Bicycles		Good	No	-	-	3,000	-	-	3,000	-	6,000
2026-587	Police Cruiser VID #60		Good	No	-	-	-	70,000	-	-	-	70,000
2026-588	Police Cruiser VID #50		Good	No	-	-	-	65,000	-	-	-	65,000
2026-589	PD Office Furniture/Storage		Good	No	-	-	-	20,000	-	-	-	20,000
2026-590	PD Storage Shed		Good	No	-	-	-	15,000	-	-	-	15,000
2026-591	PD Speed Trailers		Good	No	-	-	-	10,000	-	10,000	10,000	30,000
2026-592	M4 Rifle Suppressors		Good	No	-	-	-	10,000	-	-	-	10,000
2026-593	Police Cruiser VID #90		Good	No	-	-	-	-	70,000	-	-	70,000
2026-594	Police Cruiser VID #96		Good	No	-	-	-	-	70,000	-	-	70,000
2026-595	Police Cruiser VID #70		Good	No	-	-	-	-	65,000	-	-	65,000
2026-596	Police Cruiser VID #95		Good	No	-	-	-	-	65,000	-	-	65,000
2026-597	PD Variable Message Board		Good	No	-	-	-	-	15,000	-	-	15,000
2026-598	Police Cruiser VID #100		Good	No	-	-	-	-	-	70,000	-	70,000
2026-599	Police Cruiser VID #97		Good	No	-	-	-	-	-	65,000	-	65,000
2026-600	Police Cruiser VID #110		Good	No	-	-	-	-	-	65,000	-	65,000
2026-601	Police Station Generator		Good	No	-	-	-	-	-	-	50,000	50,000
2026-602	PD Carpet Replacement		Good	No	-	-	-	-	-	-	27,000	27,000
	Sub Total					**158,000**	**263,000**	**200,000**	**300,000**	**223,000**	**112,000**	**1,256,000**
	Total Town					**14,193,000**	**2,951,000**	**2,480,500**	**16,744,500**	**4,509,000**	**37,178,500**	**78,056,500**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Board of Education											
	Non-Building, Rolling Stock and Equipment											
2026-625	Ford F-350 4x4 Styeside - 26GR		Good	No	-	-	-	-	75,000	-	-	75,000
2026-626	Ford E-150 Cargo Van - 51GR		Good	No	-	-	-	-	-	50,000	-	50,000
2026-627	Ford Full Size Van - 44GR		Good	No	-	-	-	-	-	20,000	-	20,000
2026-628	Robotics Trailer - 49GR		Good	No	-	-	-	-	-	12,000	-	12,000
2026-629	Ford F-350 4x4 - 60GR		Good	No	-	-	-	-	-	-	75,000	75,000
2026-630	Ford F-450 4x4 - 57GR		Good	No	-	-	-	-	-	-	75,000	75,000
2026-631	Ford E-150 Cargo Van - 58GR		Good	No	-	-	-	-	-	-	50,000	50,000
2026-632	Maintenance Trailer - 55GR		Good	No	-	-	-	-	-	-	45,000	45,000
2026-633	Trailer 6x12 - 15GR		Good	No	-	-	-	-	-	-	45,000	45,000
2026-634	Ford Full Size Van - 53GR		Good	No	-	-	-	-	-	-	20,000	20,000
	Sub Total					-	-	-	75,000	82,000	310,000	467,000

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Board of Education											
	Granby Memorial High School											
2026-650	Turf/Track Field - includes excavation and recompaction		Good	Yes	-	4,000,000	-	-	-	-	-	4,000,000
2026-651	Repointing Masonry		Fair	No	-	200,000	-	-	-	-	-	200,000
2026-652	Interior Fire Door Replacement (realign, repair gaps also)		Good	No	-	150,000	-	-	-	-	-	150,000
2026-653	Storage space - auditorium & drama		Good	No	-	15,000	-	-	-	-	-	15,000
2026-654	Corridor Tile Replacement (all 5 buildings, total)		Fair	No	-	-	500,000	-	-	-	-	500,000
2026-655	Community Gym bleachers		Good	No	-	-	-	-	140,000	-	-	140,000
2026-656	Upgraded dugouts, pressbox, multipurpuse fields upgrade, lighting, tennis		Good	Yes	-	-	-	-	-	3,000,000	3,000,000	6,000,000
2026-657	HS & MS Parking lot resurfacing		Good	No	-	-	-	-	-	1,700,000	-	1,700,000
2026-658	Water heaters		Good	No	-	-	-	-	-	40,000	-	40,000
2026-659	Elevator		Fair	No	-	-	-	-	-	-	225,000	225,000
2026-660	HVAC Replacement RTU 10 (auditorium)		Good	No	-	-	-	-	-	-	100,000	100,000
2026-661	HVAC Replacement RTU 1		Good	No	-	-	-	-	-	-	75,000	75,000
2026-662	HVAC Replacement RTU 2		Good	No	-	-	-	-	-	-	75,000	75,000
2026-663	HVAC Replacement RTU 3		Good	No	-	-	-	-	-	-	75,000	75,000
2026-664	HVAC Replacement RTU 4		Good	No	-	-	-	-	-	-	75,000	75,000
2026-665	HVAC Replacement RTU 5		Good	No	-	-	-	-	-	-	75,000	75,000
2026-666	HVAC Replacement RTU 6		Good	No	-	-	-	-	-	-	75,000	75,000
2026-667	HVAC Replacement RTU 7		Good	No	-	-	-	-	-	-	75,000	75,000
2026-668	HVAC Replacement RTU 8		Good	No	-	-	-	-	-	-	75,000	75,000
2026-669	HVAC Replacement RTU 9		Good	No	-	-	-	-	-	-	75,000	75,000
2026-670	HVAC Replacement RTU 11		Good	No	-	-	-	-	-	-	75,000	75,000
2026-671	HVAC Replacement RTU 12		Good	No	-	-	-	-	-	-	75,000	75,000
2026-672	HVAC Replacement RTU 13		Good	No	-	-	-	-	-	-	75,000	75,000
2026-673	HVAC Replacement RTU 14		Good	No	-	-	-	-	-	-	75,000	75,000
2026-678	HVAC Replacement RTU 15		Good	No	-	-	-	-	-	-	75,000	75,000
2026-679	Pavilion 20'x40' (cement slab & piers)		Fair	No	-	-	-	-	-	-	75,000	75,000
2026-680	Irrigation system		Good	No	-	-	-	-	-	-	75,000	75,000
	Sub Total				-	**4,365,000**	**500,000**	**-**	**140,000**	**4,740,000**	**4,525,000**	**14,270,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Board of Education											
	Granby Memorial Middle School											
2026-700	Renovate to new		Good	Yes	-	20,000,000	-	-	-	-	-	20,000,000
2026-701	Renovate "in kind" (supports status quo) - no sprinklers		Good	Yes	-	3,100,000	-	-	-	-	-	3,100,000
2026-702	Window replacement		Good	No	-	400,000	-	-	-	-	-	400,000
2026-703	General renovation of interior finishes in common areas, offices, classrooms, and cafeteria		Good	No	-	390,000	-	-	-	-	-	390,000
2026-704	MS bleachers		Good	No	-	150,000	-	-	-	-	-	150,000
2026-705	Refurbish portions of the interior and exterior AHUs		Good	No	-	140,000	-	-	-	-	-	140,000
2026-706	Ceiling Tiles (building wide)		Good	No	-	110,000	-	-	-	-	-	110,000
2026-707	Fire alarm control panel upgrade		Good	No	-	75,000	-	-	-	-	-	75,000
2026-708	Ecology Center maintenance and upgrades		Good	No	-	50,000	-	-	-	-	-	50,000
2026-709	Repair/replacement of brick pavers		Good	No	-	30,000	-	-	-	-	-	30,000
2026-710	Phased renovation of locker rooms and restroom interior finishes and fixtures		Good	No	-	-	280,000	280,000	280,000	-	-	840,000
2026-711	Refurbish HVAC VAV units, HHW coils, baseboard radiators, unit heaters, DOAS, HHW piping		Good	No	-	-	145,000	-	-	-	-	145,000
2026-712	Repair, repoint exterior masonry and seal		Good	No	-	-	140,000	-	-	-	-	140,000
2026-713	Elevator (in ground cylinder replacement) & modernization of can and controls		Good	No	-	-	120,000	-	-	-	-	120,000
2026-714	Replace all bathroom fixtures (cost per bathroom)		Good	No	-	-	90,000	-	-	-	-	90,000
2026-715	HVAC Replacement RTU 1		Good	No	-	-	75,000	-	-	-	-	75,000
2026-716	HVAC Replacement RTU 2		Good	No	-	-	75,000	-	-	-	-	75,000
2026-717	HVAC Replacement RTU 3		Good	No	-	-	75,000	-	-	-	-	75,000
2026-718	HVAC Replacement RTU 4		Good	No	-	-	75,000	-	-	-	-	75,000
2026-719	HVAC Replacement RTU 5		Good	No	-	-	75,000	-	-	-	-	75,000
2026-720	HVAC Replacement RTU 6		Good	No	-	-	75,000	-	-	-	-	75,000
2026-721	HVAC Replacement RTU 7		Good	No	-	-	75,000	-	-	-	-	75,000
2026-722	Concrete paving replacement		Good	No	-	-	59,000	-	-	-	-	59,000
2026-723	HVAC controls upgrade		Good	No	-	-	-	100,000	-	-	-	100,000
2026-724	Refinish gym floor		Good	No	-	-	-	24,000	-	-	-	24,000
2026-725	Replace loading dock manual steel overhead doors		Good	No	-	-	-	5,700	-	-	-	5,700
2026-726	Kitchen Equipment upgrades		Good	No	-	-	-	-	400,000	-	-	400,000
2026-727	Replace single ply TPO roof membrane assembly		Good	No	-	-	-	-	210,000	-	-	210,000
2026-728	Upgrade fire rated doors (50 @ $1,000 each)		Good	No	-	-	-	-	50,000	-	-	50,000
2026-729	Water heaters		Good	No	-	-	-	-	45,000	-	-	45,000
2026-730	Kitchen fridge and freezer upgrade		Good	No	-	-	-	-	30,000	-	-	30,000
2026-731	Kitchen lighting upgrades		Good	No	-	-	-	-	15,000	-	-	15,000
2026-732	Kitchen dishwasher upgrade		Good	No	-	-	-	-	5,000	-	-	5,000
2026-733	Kitchen hood relocation		Good	No	-	-	-	-	3,000	-	-	3,000
2026-734	Kitchen paint upgrades		Good	No	-	-	-	-	1,500	-	-	1,500
2026-735	Rolloff Trailer storage containers w/AC		Good	No	-	-	-	-	-	-	350,000	350,000
2026-736	Pavilion 20'x40' (cement slab & piers)		Fair	No	-	-	-	-	-	-	75,000	75,000
2026-737	Sprinkler system update - full building study needed		Good	No	-	-	-	-	-	-	-	-
	Sub Total					**24,445,000**	**1,359,000**	**409,700**	**1,039,500**	**-**	**425,000**	**27,678,200**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Board of Education											
	Kelly Lane Primary School											
2026-750	Roofing Replacement - Gross of grant reimbursement		Good	Yes	-	100,000	2,800,000	-	-	-	-	2,900,000
2026-751	Window/Door Replacement (Fire code)		Good	No	-	-	50,000	-	-	-	-	50,000
2026-752	Boiler and pump replacement (after converting to propane in FY26)		Good	No	-	-	-	-	500,000	-	-	500,000
2026-753	Parking lot resurfacing / expansion		Good	No	-	-	-	-	380,000	-	-	380,000
2026-754	HVAC Replacement - RTU 1		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-755	HVAC Replacement - RTU 2		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-756	HVAC Replacement - RTU 3		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-757	HVAC Replacement - RTU 4		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-758	HVAC mini-splits (cost per unit, need 3), classrooms		Good	No	-	-	-	-	30,000	-	-	30,000
2026-759	HVAC mini-splits (cost per unit, need 2), server rooms		Good	No	-	-	-	-	20,000	-	-	20,000
2026-760	Kitchen Updates (flooring, equipment, walk-ins)		Good	No	-	-	-	-	-	600,000	-	600,000
2026-761	Gym floor (rubber)		Good	No	-	-	-	-	-	150,000	-	150,000
2026-762	Pavilion 20'x40' (cement slab & piers)		Fair	No	-	-	-	-	-	75,000	-	75,000
2026-763	Playground updates (design equipment/ composite flooring / mulch)		Good	No	-	-	-	-	-	-	250,000	250,000
2026-764	Courtyard redesign / outdoor learning space / compost		Fair	No	-	-	-	-	-	-	100,000	100,000
2026-765	Catch basin replacement (6)		Good	No	-	-	-	-	-	-	100,000	100,000
2026-766	Bathroom renovations (per bathroom)		Good	No	-	-	-	-	-	-	75,000	75,000
2026-767	Fencing		Good	No	-	-	-	-	-	-	40,000	40,000
2026-768	Shed		Fair	No	-	-	-	-	-	-	40,000	40,000
2026-769	HVAC Replacement - RTU 4		Good	No	-	-	-	-	-	-	-	-
	Sub Total					**100,000**	**2,850,000**	**-**	**1,230,000**	**825,000**	**605,000**	**5,610,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Board of Education											
	Wells Road Intermediate School											
2026-800	Gym floor (rubber)		Good	No	-	150,000	-	-	-	-	-	150,000
2026-801	Roofing Replacement - Gross of grant reimbursement		Good	Yes	-	100,000	2,800,000	-	-	-	-	2,900,000
2026-802	Water System Upgrade (similar to Kelly Lane)		Good	No	-	-	400,000	-	-	-	-	400,000
2026-803	Parking lot resurfacing / expansion		Good	No	-	-	350,000	-	-	-	-	350,000
2026-804	Window/Door Replacement (Fire code)		Good	No	-	-	50,000	-	-	-	-	50,000
2026-805	Cafeteria and Stage Renovation		Fair	No	-	-	-	-	600,000	-	-	600,000
2026-806	Boiler and pump replacement (after converting to propane in FY26)		Good	No	-	-	-	-	500,000	-	-	500,000
2026-807	Parking lot resurfacing / expansion		Good	No	-	-	-	-	380,000	-	-	380,000
2026-808	HVAC Replacement - RTU 1		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-809	HVAC Replacement - RTU 2		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-810	HVAC Replacement - RTU 3		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-811	HVAC Replacement - RTU 4		Fair	No	-	-	-	-	75,000	-	-	75,000
2026-812	Water Heaters		Good	No	-	-	-	-	30,000	-	-	30,000
2026-813	HVAC mini-split, need 1, server room		Good	No	-	-	-	-	20,000	-	-	20,000
2026-814	Kitchen Updates (flooring, equipment, walk-ins)		Good	No	-	-	-	-	-	600,000	-	600,000
2026-815	Window Replacement (just affected areas)		Good	No	-	-	-	-	-	-	150,000	150,000
2026-816	Catch basin replacement (6)		Good	No	-	-	-	-	-	-	100,000	100,000
2026-817	Bathroom renovations (per bathroom)		Good	No	-	-	-	-	-	-	75,000	75,000
2026-818	HVAC ERU's, need 3 (cost per unit)		Good	No	-	-	-	-	-	-	-	-
2026-819	Repointing and Masonry Repairs		Good	No	-	-	-	-	-	-	-	-
	Sub Total					**250,000**	**3,600,000**	**-**	**1,830,000**	**600,000**	**325,000**	**6,605,000**

TOWN OF GRANBY
CAPITAL IMPROVEMENT PLAN
FY27 - FY36

Ref #	Project Description	Funding Source	Estimate Confidence	Other Funding	Recom.	FY27	FY28	FY29	FY30 & FY31	FY32 & FY33	FY34 - FY36	TOTAL
	Board of Education											
	Central Services Building											
2026-850	Security Initiative - Whole District ($850k in place via Small Cap)		Good	No	-	1,200,000	-	-	-	-	-	1,200,000
2026-851	Storage -Butler Building (multiple bays with plumbing and electrical)		Good	No	-	-	-	250,000	-	-	-	250,000
2026-852	Office Reconfiguration		Good	No	-	-	-	-	-	-	40,000	40,000
	Sub Total					**1,200,000**	**-**	**250,000**	**-**	**-**	**40,000**	**1,490,000**
	Total Board of Education					**30,360,000**	**8,309,000**	**659,700**	**4,314,500**	**6,247,000**	**6,230,000**	**56,120,200**
	Total Town and Board of Education					**44,553,000**	**11,260,000**	**3,140,200**	**21,059,000**	**10,756,000**	**43,408,500**	**134,176,700**

Priority level Level 1 = within 1 yr; Level 2 = 2-5 yrs; Level 3 = 5-10 yrs	Category	Project	Initial Estimate	Notes	2025- 40% increase in cost	
Level 1	Exterior Facades & Roofing	Replace new metal door @ vestibule entrance to lower level with appropriate wood door with glass lights	$ 2,000.00		$ 2,800.00	
~~Level 1~~	~~Exterior Facades & Roofing~~	~~Inspect all gutters & leaders on a routine basis at least twice yearly & after extreme climate events. Secure all leaders to their bases to storm drain boot and secure all drainage system connections. Repair and adjust any observed deficiencies.~~	~~$ 2,000.00~~		~~$~~	
~~Level 1~~	~~Exterior Facades & Roofing~~	~~Install gutter on north portion of East Elevation of East Addition~~	~~$ 2,000.00~~	~~Complete~~	~~$~~	
Level 1	Exterior Facades & Roofing	Increase overhang on North Elevation of the East Addition	$ 6,000.00		$ 8,400.00	
Level 1	Exterior Facades & Roofing	Provide slope away from building on brick-clad buttresses metal covers. Install base flashing extending under wood trim at juncture of metal covers to the wood install sealant at all junctures of flashing with wood trim or other building elements.	$ 8,000.00		$ 11,200.00	
Level 2	Exterior Facades & Roofing	Carefully remove all masonry coatings and efflorescence from brick walls, brick chimney and concrete foundation walls.	$ 20,000.00		$ 28,000.00	
Level 2	Exterior Facades & Roofing	Repair or replace all displaced, damaged, or missing bricks, specifically at base of wall.	$ 5,000.00		$ 7,000.00	
Level 2	Exterior Facades & Roofing	Repoint all missing or damaged mortar joints to match example of original pointing visible in Storage Area under West Entrance Vestibule.	$ 4,000.00		$ 5,600.00	
Level 2	Exterior Facades & Roofing	Install liner in brick chimney. Repair metal chimney cap as necessary.	$ 5,000.00		$ 7,000.00	
Level 2	Exterior Facades & Roofing	Carefully remove all loose and flaking paint and all sealant from wood siding (clapboard and shingles) and trim so as not to damage historic material.	$ 10,000.00	Completed Clerestory, Lower Level Remaining	$ 7,000.00	Estimate + 40% increase/ half
Level 2	Exterior Facades & Roofing	Replace all damaged, deteriorated and missing wood elements with wood to match original in appearance and with same species of wood, if possible.	$ 20,000.00	Completed Clerestory, Lower Level Remaining	$ 14,000.00	Estimate + 40% increase/ half
Level 2	Exterior Facades & Roofing	Prepare wood to receive appropriate primer, prime and apply two coats of appropriate paint in color determined by finish analysis. Paint any unpainted elements of the Lower Level Entrance enclosure to match selected paint on wood on original portions of building.	$ 25,000.00	Completed Clerestory, Lower Level Remaining	$ 17,500.00	Estimate + 40% increase/ half
Level 2	Exterior Facades & Roofing	Install sealant at all joints and gaps whether wood to wood, wood to metal, wood to masonry, or wood to windows.	$ 10,000.00	Completed Clerestory, Lower Level Remaining	$ 7,000.00	Estimate + 40% increase/ half
Level 2	Exterior Facades & Roofing	Repair or replace to match original and properly secure all damaged decorative cast iron grills on the vent openings at the base of the brick wall.	$ 2,000.00		$ 2,800.00	
Level 2	Exterior Facades & Roofing	Repair any damaged elements, scrape, prime and paint. metal railing at steps to parking area.	$ 1,000.00		$ 1,400.00	
Level 3	Exterior Facades & Roofing	Replace screen doors at entrance to upper level with new storm/screen doors to match the screen doors visible in historic photographs including visually appropriate hardware	$ 3,000.00		$ 4,200.00	
Level 3	Exterior Facades & Roofing	On the two pair of wood doors at the West, Upper Level Entrance, replace the existing brass replacement doorknobs with replica knobs to match the original.	$ 1,000.00		$ 1,400.00	
Level 3	Exterior Facades & Roofing	Fabricate and install replacement transom window above Lower Level Entrance door to match original, including the word, "HALL", but sized to fit the altered opening size. New window shall be double-glazed for thermal efficiency	$ 2,000.00		$ 2,800.00	
Level 3	Exterior Facades & Roofing	Replace white metal louver vent on East Elevation of East Addition with more appropriate, yet functional element.	$ 2,000.00		$ 2,800.00	
Level 1	Interior	Fill gap between concrete floor slab & building wall in Lower Level Entrance Vestibule, repairing any damaged masonry as necessary.	$ 1,000.00		$ 1,400.00	
~~Level 1~~	~~Interior~~	~~Treat building to eliminate all insects & nests.~~	~~$ 1,000.00~~	~~Regulary DPW Maintenance~~		
Level 1	Interior	Install screens over light fixtures to prevent accumulation of insects & deris. Periodically inspect & clean fixtures.	$ 1,000.00		$ 1,400.00	
Level 2	Interior	Repair damaged gypsum board at Lower Level ceiling beam and any other locations of damage to match adjacent finishes.	$ 2,000.00		$ 2,800.00	
Level 3	Interior	Conduct historic finish analysis of exterior and interior surface materials.	$ 5,000.00		$ 7,000.00	
Level 3	Interior	Carefully remove all damaged plaster to facilitate repairs. Install new plaster to match original, adjacent plaster surfaces in composition, color, and finish.	$ 5,000.00		$ 7,000.00	
Level 3	Interior	Paint plaster on walls and ceilings based upon finishes analysis.	$ 5,000.00		$ 7,000.00	
Level 3	Interior	Paint all damaged, flaking and unfinished wood and masonry elements inside the Lower Level Entrance Vestibule in same manner as directed above.	$ 2,000.00		$ 2,800.00	
Level 3	Interior	Carefully clean all interior woodwork and cabinetry in the Upper Level, original library space of any scuffs or other surface stains and refinish as necessary based on finish analysis.	$ 5,000.00		$ 7,000.00	
Level 3	Interior	Strip and re-stain risers on interior stairs to match existing.	$ 3,000.00		$ 4,200.00	
Level 3	Interior	Remove existing vinyl tile flooring in the boiler room, clean and repair floor as necessary and install new vinyl flooring	$ 2,000.00		$ 2,800.00	
Level 2	Interior	Restore all damaged clerestory window woodwork based upon historic finishes analysis	$ 10,000.00		$ 14,000.00	
Level 1	Life Safety	Install new addressable smoke and heat detectors and emergency interior and exterior lighting with self-contained battery back-up.	$ 5,000.00		$ 7,000.00	
Level 2	Life Safety	Install new state-of-the-art building-wide NFPA 13-approved fire-suppression sprinkler system.	$ 50,000.00		$ 70,000.00	

Level 2-3	Mechanical/Electrical/Plumbing	Upgrade the electrical service to a 3-phase, 4-wire service with increased amperage. (2-3)	$ 10,000.00		$ 14,000.00	
Level 2	Mechanical/Electrical/Plumbing	Install new distribution, panel boards, switches and receptacles throughout the building	$ 25,000.00		$ 35,000.00	
Level 2	Mechanical/Electrical/Plumbing	Replace/upgrade existing restroom plumbing fixtures to meet all current ADA requirements	$ 5,000.00		$ 7,000.00	
Level 2-3	Mechanical/Electrical/Plumbing	Installing new modern central multi-zone air-conditioning/heating system with the capability to bring in and condition outside air and exhaust spent air at rates prescribed by code. (2-3)	$ 75,000.00		$ 105,000.00	
Level 3	Mechanical/Electrical/Plumbing	Install new septic system.	$ 10,000.00		$ 14,000.00	
Level 1	Site, Landscaping & Site-Related ADA-Access	Maintain slope away from building and maintain height of the mulch adjacent to building at least 8 inches below any building material.	$ 3,000.00		$ 4,200.00	
~~Level 1~~	~~Site, Landscaping & Site-Related ADA-Access~~	~~Patch all damaged locations in the concrete sidewalk and concrete parking lot steps to match the existing, surrounding material. Level any portions of sidewalk which could present a tripping hazard.~~	~~$ 3,000.00~~	~~Completed with ARRA funds~~		
Level 1	Site, Landscaping & Site-Related ADA-Access	Redesign area between parking area and Lower Level entrance so that handicapped access is more direct and ADA-compliant, using historically compatible material.	$ 10,000.00		$ 14,000.00	
Level 1	Site, Landscaping & Site-Related ADA-Access	Install pedestrian crossing including appropriate signage on East Street between parking area across East Street and Library parking lot.	$ 3,000.00		$ 4,200.00	
Level 1	Site, Landscaping & Site-Related ADA-Access	Install additional exterior lighting at the Lower Level Vestibule Entrance door and as needed along sidewalks, pathways, and parking areas with lighting compatible with the historic environment.	$ 5,000.00		$ 7,000.00	
Level 1	Universal Access	Install automatic door openers at both the Lower Level entrance door and the door leading from the Lower Level Vestibule into the Children's Room	$ 6,000.00		$ 8,400.00	Historic Accuracy?
Level 1	Universal Access	Lower the height of the masonry threshold at the Lower Level Entrance for ADA compliance.	$ 1,000.00		$ 1,400.00	
Level 1	Universal Access	If increased or full ADA compliance is desired, engage services of a professional architect knowledgeable in historic preservation to develop a design to provide full ADA-compliance.	$ 10,000.00		$ 14,000.00	
Total Project					$ 493,500.00	

Memorandum

To: Town of Granby Board of Selectmen
Mike Walsh, Town Manager – Town of Granby
Sandy Yost, Director of Community Services – Town of Granby

From: Anthony McGovern, Chairperson - Granby Parks and Recreation Board

Date: August 14, 2025

Subject: Endorsement of Parks Improvements – Input for Capital Planning Process

Purpose

The purpose of this memorandum is to highlight proposed improvements to Granby's Parks, as outlined in the recent Recreation Facilities Analysis ("Parks Master Plan") conducted by GZA GeoEnvironmental, Inc. (GZA). Please consider the proposed investments highlighted as the priorities recommended by the Parks and Recreation Board and to specifically inform the upcoming Capital Planning process acknowledging that time is of the essence for such input. Again, this submission reflects the items we've determined to be of most value to the Granby community at this point in time and we acknowledge that these improvement concepts will require much further refinement of requirements and expectations. This is not intended to bypass a more thorough review of the Parks Master Plan which reflects a wider array of potential investments. We look forward to that future conversation with you.

Summary of GZA's Approach

GZA's work was guided by a comprehensive and community-centered methodology, which included:

- Site Analysis: Detailed review of existing conditions at Salmon Brook Park and Ahrens Park through site visits, GIS mapping, and document analysis.
- Public Engagement: A robust outreach effort including stakeholder interviews, an online survey with 619 respondents, and two public meetings. This process identified key community priorities and concerns.
- Parks Master Plan Development: Creation of conceptual master plans for both parks, designed to address landscape constraints, usage conflicts, and program redundancies.

The plans offer advice for logical phases of implementation and include cost estimates (rough order of magnitude based on GZA's actual experience for similar projects) of each improvement, or project, for which we believe should aid in the Capital Planning considerations for the years ahead.

Key Improvements Endorsed

The Parks and Recreation Board recommends the priorities shown on Exhibit A (attached) as investments at Salmon Brook Park and Ahrens Park. Items shaded in grey reflect those investments that have interdependencies and sequencing in the Capital Plan should be given consideration. All other items are potential stand-alone projects.

These improvements reflect the community's vision and address both current needs and future growth.

We appreciate the BOS's attention to this matter and look forward to continued collaboration as the Parks Master Plan progresses.

Respectfully submitted on behalf of the Parks and Recreation Board,

Anthony McGovern, Chairperson

Exhibit A

Recommendation	Description	Potential Cost Range
Salmon Brook Park		
Route 20 Path to Soccer Fields, Improvements for Pedestrian and Equestrian Use	Upgrade the existing path to the Route 20 parking lot. Develop an unpaved equestrian trail parallel to this. Expand ADA accessibility from the central parking lot to the soccer fields, connecting to the improved Route 20 path. This is listed as part of Phase 1 because the Town has already received a Small Town Economic Assistance Program (STEAP) grant from the State of Connecticut to implement this project.	$600,000-$700,000 (inclusive of STEAP funding)
Salmon Brook Park Pickleball Courts and Relocation of Lacrosse Fields	Relocate the two smaller lacrosse fields from Salmon Brook Park to Ahren's park (the two small lacrosse fields that are currently closest to the swimming pond and central parking lot). Build a new pickleball court in Salmon Brook Park off the southern end of the central parking lot (four dedicated pickleball courts, with fencing and lighting). Revert existing court to dedicated tennis	$400,000-$500,000
Salmon Brook Park Ballfields 3 and 5	Relocate ballfield 3 and re-orient ballfield 5 into configuration shown on Master Plan. Add upgraded and accessible seating, lights, and scoreboards to redeveloped ballfields.	$500,000-$600,000
Playground (Ages 5-12)	Develop a new playground for ages 5-12 in a revised park location.	$400,000-$600,000
Utilities Expansion	Install utilities for the proposed restroom building and future use. This should include a study of available water supply which may result in the installation of an additional well to support the proposed and future use.	$200,000-$300,000
Restroom	Develop a new restroom building between Fields 3 and 5 and relocated pickleball court.	$150,000-$200,000
3-Way Stop Intersection	Reconfigure the Salmon Brook Park Road 3-way intersection to a 3-way stop intersection (4-way stop including DPW parking lot drive) and reconfigure the parking lot by the smaller playground for safety and improved usage of space.	$150,000-$200,000
Walking Path Improvements	Adult fitness stations, shade trees, seating, memorial benches, and ADA access where required.	$20,000-$400,000
Landscaped Entrance, Memorials	Install landscape improvements to Veterans Memorial Wall and Children's Garden, including accessible pathways carefully designed to compliment the spaces,topsoil and planting improvements to the gardens.	$20,000-$50,000
Expand Rt 20 Parking Lot	Expand the Route 20 parking lot to accommodate horse trailer parking and some additional car parking, and add a new second curb cut onto Route 20 for pull-through access.	$250,000-$350,000
DPW Parking Lot	Expand and reconfigure the parking lot by the DPW garage to better utilize the space while providing pedestrian access to Field 4 spectator areas	$150,000-$250,000
Ahrens Park		
Playground	Develop a playground (ages 2-5 and ages 5-12) adjacent to the existing pavilion/ restroom building	$400,000-$600,000

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July 16, 2025
File No. 15.0167378.00

Mike Walsh, Town Manager
Town of Granby
15 North Granby Road
Granby, CT 06035

Re: Granby Recreation Facilities Analysis
Summary Memorandum
Granby Parks and Recreation Department

Dear Mr. Walsh,

In accordance with GZA GeoEnvironmental, Inc. ("GZA")'s December 19, 2024 Proposal for Professional Services, we are pleased to provide the Town of Granby ("Town; Client") this summary memorandum describing GZA's efforts in producing the attached Master Plans for Salmon Brook Park and Ahrens Park, hereinafter referred to collectively as the Project. GZA's efforts included a site analysis of existing conditions at the two Town-owned parks, a public engagement process, and development of the two conceptual Master Plans.

This summary memorandum is subject to the limitations included in **Attachment A**. Copies of the Master Plans, public meeting presentations, and online survey results are included as attachments to this letter, respectively.

PROJECT BACKGROUND

The Town of Granby, Connecticut is fortunate to have two generously sized public parks located near the center of town: Salmon Brook Park and Ahrens Park. Salmon Brook Park is a well-used, 116-acre park which offers a wide range of recreational programming and facilities. Ahren's Park offers additional open space with less formal programming and is 45 acres in size.

Salmon Brook Park has served as a public open space since the early 20th century and became formalized as a public park in the early 21st century with many of its existing recreational facilities developed within the past two decades. Ahrens Park was owned by the Ahrens family until 2003 when the town acquired it as a protected open space.

Recreational facilities at Salmon Brook Park currently include softball and baseball fields, soccer and lacrosse fields, tennis and pickleball courts, playgrounds, a dog park, a horse ring, a swimming pond and bath house, a band shell, picnic pavilions, memorial gardens, the Park House building (with offices and public meeting room), a restroom building, walking paths, and access to hiking trails.

Ahren's Park is less programmed. Its formal recreational facilities are limited to a collection of multi-purpose sports fields, a restroom and pavilion building, a bocce court, and the Town's community gardens.

In 2022, to better understand the community's needs, the Town conducted a public survey to learn about park usage, asking what additional elements and programs town residents would like the two parks to have. Possible park improvements that ranked highly included: ice skating area, splash pad, walking paths, additional seating, skate park, and pickleball courts. Over the following two years, the Town began to implement some of these improvements, including new walking paths throughout Salmon Brook Park and the conversion of Salmon Brook Park's tennis court to multi-purpose tennis and pickleball courts.

As these new elements began to be added to the park, and due to fact that park features have varying lifespans requiring updates or replacement, the Town recognized the need for developing a master plan to guide future development and management of the two parks to ensure future improvements are well-coordinated, reflect the community's goals, and make effective use of available resources. To meet this need, the Town engaged GZA to perform the Recreation Facilities Analysis, or "Study", of the two parks. GZA's Study included an inventory of existing conditions, public engagement, and development of master plans for the two parks. The results of the Study are summarized in the following sections of this memorandum.

EXSISTING CONDITIONS INVENTORY

REVIEW OF EXISTING CONDITIONS: SALMON BROOK PARK

GZA reviewed existing site conditions through site visits, GIS mapping, and review of available site plans and documents. GZA found that most of the Town-managed park facilities at Salmon Brook Park are well-maintained and in good condition. Site features that were in need of repair or showing their age included the large playground located at the southern end of the park. Additionally, the informal gravel path connecting the Route 20 parking lot to the soccer fields has experienced erosion likely due to its steepness and lack of proper drainage measures.

Based on conversations with Town staff, GZA learned that sanitary sewer, electrical, and water utilities serve the southern end of the park. Water in the park is sourced from a well located within the park. Irrigation extends throughout the whole developed portion of the park, as far north as the soccer fields.

As its name implies, Salmon Brook Park is located alongside Salmon Brook, and occupies the low-lying, flat topography typically associated with a riparian floodplain. The FEMA Flood Hazard survey for Salmon Brook does not extend into the Project site; however, from conversations with Granby Town staff and park stakeholders, GZA heard that Field 2 and the adjacent playground area flood during heavy rain events, into portions of Field 1. Based on review of publicly-available LIDAR contour data of the site's topography, GZA has estimated the extent of the flood-prone area that had been described, for master planning purposes. Town staff also described to GZA that the edge of Field 3 (third base to home plate) floods periodically, as does the adjacent dog park; though somewhat less frequently and extensively than the playground/ Field 2 area.

REVIEW OF EXISTING CONDITIONS: AHRENS PARK

Ahrens Park is located north of Granby Center on Hungary Road. The developed portion of the park is situated on a flat plateau, while the wooded portions of the site occupy lower-lying riparian areas adjacent to the east branch of Salmon Brook. The site contains football and lacrosse fields, as well as a baseball field in a neglected condition which is not routinely used by the Town's sports leagues. There is also a pavilion and restroom building on the site, a parking lot, and a bocce court. At the north end of the site is the Town's community gardens, which are separated from the rest of the site by a wooded area and have their own driveway entrance.

PUBLIC ENGAGEMENT

PUBLIC ENGAGEMENT: STAKEHOLDER INTERVIEWS

GZA conducted phone interviews with representatives from sports leagues and community organizations ("stakeholders") who regularly use the park and/or maintain their own dedicated facilities within the park. This list of suggested stakeholders was provided by the Town and included:

- Granby Youth Lacrosse: Clay Morad
- Granby/East Granby Little League: Greg Dion
- Granby Rovers Soccer: Austin Busbey
- Granby Youth Football: Dave Collins and Mike Gero
- Granby Horse Council: Joan Davis
- D.O.G.G.S. (Dog Park): Martha Delaney
- Granby Community Gardens: Deborah Roe
- Children's Memorial: Jane Johnson
- Veterans Memorial Wall: Betty Hart
- Live Nativity: Rev. Clark Pfaff
- Town of Granby Summer Camps: Daphne Shinder

Each interview consisted of a 15-30 minute conversation. GZA asked stakeholders about their use of the park and its facilities. Conversations touched upon how each group uses the park, which facilities they maintain, if there are any unmet needs or challenges they face, and if there is a need for coordination with other groups. The input from these conversations helped GZA to develop a holistic understanding of the two parks and how their various facilities and user groups interact, and was used in identifying areas for further public input in the online survey and public meetings (described in the following sections).

From the interviews, GZA learned that Ahrens Park's fields are almost never in use all at once, and therefore there is an opportunity to utilize some of this space for other uses (including potentially locating new facilities here or relocating features from Salmon Brook Park to Ahrens Park if additional space at Salmon Brook Park was needed). Overall, the stakeholder interviews revealed that there is generally good coordination among sports leagues and other uses of the park, resulting in a minimum of congestion and conflict during peak use times. Representatives

from Little League and Rovers Soccer indicated a desire to add lights to some or all of the sports fields, to extend the length of use during the season and usable hours for practices and games.

GZA also had discussions with Town of Granby staff about the parks. In discussions with Town staff, the Salmon Brook Park pickleball courts were identified as a key point of focus for the master plan. The existing tennis courts, which are adjacent to a residential complex, were recently updated to double as pickleball courts. These new pickleball courts have quickly become very popular and are highly used, and the resulting noise of pickleball games has resulted in frequent complaints to the Town from the adjacent residential neighbors. The Town identified a need to identify suitable locations for potentially relocating the pickleball courts.

PUBLIC ENGAGEMENT: ONLINE SURVEY

GZA developed an online public survey consisting of thirteen questions about people's use of the two parks and desires for future improvements. The survey was distributed and advertised by the Town, on the town of Granby website and Town Facebook page, as well as on the Facebook pages of individual Town departments. The survey had a total of 619 respondents. Full survey results are included in **Attachment G**. Results from the survey showed that:

- People tend not to visit Ahrens Park, mainly because of a lack of things to do there.
- Interest in potential new recreational features at Salmon Brook Park included, in order:
    - Water spray deck / splash pad
    - Ice skating area
    - Updated playground
    - Adult fitness equipment
    - Pump track (course for bikes)
    - Skate park
- Interest in potential new recreational features at Salmon Brook Park included, in order:
    - Walking paths
    - Pickleball court
    - Playground
    - Pump track (course for bikes)
    - Water spray deck / splash pad
- There was interest in relocating the pickleball courts from Salmon Brook Park to Ahrens Park.
- There was support for adding lights to sports fields at the parks.
- Park visitors want additional restroom access at Salmon Brook Park.

PUBLIC ENGAGEMENT: PUBLIC MEETINGS

The Town of Granby held the first of two public meetings for the Project on April 1, 2025. GZA presented a slideshow presentation on the project background and site analysis and facilitated a group discussion to gather public input on future improvements to the parks. Public input heard at the meeting included:

- Ahrens Park is underutilized and has great potential.
- With its horse ring and connection to extensive woodland trails, Salmon Brook Park is a unique and important destination for equestrians in the region. There is a need for a few horse trailer parking spaces somewhere in the park.
- Improvements to the Route 20 parking lot path at Salmon Brook Park should be compatible with equestrian use.
- The existing larger playground at Salmon Brook Park is located adjacent to the brook, which adds a valuable aspect of nature and water access to the play environment.
- Salmon Brook Park needs an additional public restroom.
- Dedicated pickleball courts would be preferable over existing shared tennis/pickleball.
- The three-way intersection at Salmon Brook Park Road can be dangerous and would benefit from stop signs.

At the public meeting, GZA provided a "dot sticker" board activity, where participants could vote for potential new recreational facilities at both parks by placing stickers on the elements they were most interested in. The results of this activity were generally consistent with the online survey. This board is shown in **Attachment E**.

A second in-person public meeting was held in the Park House at Salmon Brook Park during the Parks Commission meeting on June 3, 2025. At this meeting, GZA shared draft master plans for the parks (Master Plans are described in the following section). Public input on the draft plans was limited and included discussion on whether the park's existing parking lots would be able to support additional visitorship resulting from the proposed new recreational facilities depicted in the plans. In response to the discussions at this meeting, GZA revised the plans to include an expanded parking area. The final Master Plans for proposed conditions at Salmon Brook Park and Ahrens Park are described in the next section.

SALMON BROOK PARK AND AHRENS PARK MASTER PLAN

DEVELOPMENT OF CONCEPTUAL MASTER PLANS

The proposed Conceptual Master Plans for both parks (**Attachments B and C**) depict a future condition in which the highest priority new program elements identified during this Study are arranged in response to the landscape constraints, usage conflicts, and program redundancies identified between both parks, resolving those elements in the process. Implementation of the proposed condition would occur in multiple phases over several years. The two sites' plans are intrinsically tied to each other, because the added program

elements proposed at Salmon Brook Park are accommodated by relocating two of the smaller youth lacrosse fields to Ahrens Park, whose fields are not currently fully utilized.

In developing the master plans, GZA and the Town of Granby reviewed public meeting input and identified which elements made sense for inclusion in the recommendations for both parks, based on the effective use of Town resources, available space, and coordination with other recreational facilities in the region. Most of the elements that were repeatedly identified during the public engagement process are included in the master plan recommendations, with the notable exception of an ice skating area. Because there is an existing skating facility nearby in Simsbury (the International Ice Skating Center of Connecticut), the Town determined that developing one in Granby may not be worth the significant investment required.

The proposed design for Salmon Brook Park is built around the following major organizing schemes:

- A **corridor of new recreational facilities** is established between the Park House and the central parking lot, along the northeast edge of the swimming pond. This corridor is connected by new accessible paved pedestrian paths, and includes:
    - New **skatepark**
    - New **splash pad**
    - New **playground** (replaces existing playground currently in flood-prone southern area)
    - New dedicated **pickleball courts** adjacent to the central parking lot (these are relocated from the tennis courts, which revert to being dedicated tennis courts)

  Space for this corridor is made available by relocating two smaller lacrosse fields to Ahrens Park, and relocating Field 3 (softball) to the north. The western edge of this corridor is converted to a vegetated floodplain shrub-meadow landscape, to help mitigate periodic flooding.

- **Reconfigured ballfields**: Ballfield 1 is rotated, and ballfields 3 and 5 are re-positioned and rotated, so that Fields 1 and 2 and Fields 3 and 5 have their backstops adjacent to one another for consolidated spectator and player access, and Fields 1 and 5 no longer are oriented with the batter facing south (batter facing south is less preferable because of the risk of being blinded by the sun). Ballfield lighting is added to these redeveloped fields, along with upgraded and accessible spectator seating. This reconfiguration of ballfields makes space for the recreation facilities corridor described above, while providing opportunity for improvements to the ballfields themselves as well as pedestrian circulation throughout the park.

Additional proposed improvements to Salmon Brook Park are described in the following section on project phasing.

PHASING AND IMPLEMENTATION

The sequence and phasing of the proposed work is based on both identified priority and spatial coordination. The proposed work should begin with the initial phases outlined below in Table 1. Phases may be combined based on availability of funding. Numbers in the "Plan Legend Number" column correspond to the numbered items on the Master Plan for each park, **Attachments B and C**.

Approximate ranges of costs are indicated for each proposed Park improvement, based on GZA's experience with recent similar projects in the region. Please note that GZA's assignment did not include any detailed design beyond the conceptual master planning level. As such, the ranges of potential costs should be considered "order of magnitude" and used for budgeting and comparison purposes only. Costs are assumed to be inclusive of "soft costs" such as survey, permitting, design/engineering, contingency, and publicly-bid construction. Costs are in 2025 dollars.

SALMON BROOK PARK: PROPOSED PARK IMPROVEMENTS, PHASES 1-5

TABLE 1:
Salmon Brook Park, Proposed Park Improvements, Phases 1 - 5

Phase	Recommendation	Description	Plan Legend Number	Potential Cost Range
1A	Route 20 Path to Soccer Fields, Improvements for Pedestrian and Equestrian Use	Upgrade the existing path to the Route 20 parking lot, by adding paved surfacing as well as stairs at the steepest sections. Develop an unpaved equestrian trail parallel to this. Expand ADA accessibility from the central parking lot to the soccer fields, connecting to the improved Route 20 path. This is listed as part of Phase 1 because the Town has already received a Small Town Economic Assistance Program (STEAP) grant from the State of Connecticut to implement this project.	19	$600,000-$700,000
1B	Salmon Brook Park Pickleball Courts and Relocation of Lacrosse Fields	Relocate the two smaller lacrosse fields from Salmon Brook Park to Ahren's park (the two small lacrosse fields that are currently closest to the swimming pond and central parking lot). Build a new pickleball court in Salmon Brook Park off the southern end of the central parking lot (four dedicated pickleball courts, with fencing and lighting). Revert existing court to dedicated tennis.	2, 14	$400,000-$500,000

TABLE 1: Salmon Brook Park, Proposed Park Improvements, Phases 1 - 5				
Phase	**Recommendation**	**Description**	**Plan Legend Number**	**Potential Cost Range**
2	Salmon Brook Park Ballfields 3 and 5	Relocate ballfield 3 and re-orient ballfield 5 into configuration shown on Master Plan. Add upgraded and accessible seating, lights, and scoreboards to redeveloped ballfields.	16, 17	$500,000-$600,000
3	Playground (Ages 5-12)	Develop a new playground for ages 5-12 in the location shown on Master Plan.	13	$400,000-$600,000
4A	Utilities: Electrical, Water, and Sanitary Expansion	Install utilities for the proposed restroom building and splash pad. This should include a study of available water supply which may result in the installation of an additional well to support the proposed features, or alternatively, may result in design recommendations for restroom and spray features with lower water usage.	12, 15	$200,000-$300,000
4B	Restroom	Develop a new restroom building between Fields 3 and 5 and relocated pickleball court, by central parking lot. Assumes utilities are in place from Phase 4A.	15	$500,000-$1,000,000
4C	Splash Pad	Develop a new splash pad or misting area in the location shown on the Master Plan. Assumes utilities are in place from Phase 4A.	12	$250,000-$350,000

SALMON BROOK PARK: ADDITIONAL PROPOSED IMPROVEMENTS

The following improvements listed in Table 2 are less dependent on sequencing of other project phases and could be implemented as stand alone projects at the Town's discretion.

TABLE 2:
Salmon Brook Park, Additional Park Improvements

Recommendation	Description	Plan Legend Number	Potential Cost Range
3-Way Stop Intersection	Reconfigure the Salmon Brook Park Road 3-way intersection to a 3-way stop intersection (4-way stop including DPW parking lot drive) and reconfigure the parking lot by the smaller playground for safety and improved usage of space.	4	$150,000-$200,000
Skate Park	Develop a 10,000 SF skate park in the location shown in the Master Plan.	11	$800,000-$1,000,000
Nature Play	Develop a nature-play area and gathering space in the flood-prone southern area (where larger playground is proposed to be relocated from), which can be utilized by summer camp programs as well as for general nature-play, including brook access.	9	$300,000-$500,000
New Accessible Parking Lot	Expand the central parking area into the space adjacent to the horse ring and soccer field, to create a new accessible parking lot (and associated stormwater management).	18	$250,000-$350,000
Multiple Exercise Stations Along Path	Develop 5 adult fitness equipment stations at intervals along the park walking path; each station includes safety surfacing and shade trees.	6	$200,000-$400,000
Seating Along Path	Install 5 additional seating areas along walking trails, including shade and memorial benches.	—	$20,000-$50,000
Accessible Walkways	Expand paved accessible walkways to more of the park features, including pavilions, and install ADA upgrades to the band shell.	8, 10	$100,000-$200,000

TABLE 2: Salmon Brook Park, Additional Park Improvements			
Recommendation	**Description**	**Plan Legend Number**	**Potential Cost Range**
Landscaped Entrance, Memorials	Install landscape improvements to Veterans Memorial Wall and Children's Garden, including accessible pathways carefully designed to compliment the spaces, topsoil and planting improvements to the gardens.	1	$20,000-$50,000
Upgraded Ballfields 1 and 2	Reconfigure and upgrade ballfields 1 and 2 (including lights) as shown on Master Plan	7	$400,000-$600,000
Expand Rt 20 Parking Lot	Expand the Route 20 parking lot to accommodate horse trailer parking and some additional car parking, and add a new second curb cut onto Route 20 for pull-through access.	20	$250,000-$350,000
DPW Parking Lot	Expand and reconfigure the parking lot by the DPW garage to better utilize the space while providing pedestrian access to Field 4 spectator areas.	3	$150,000-$250,000

AHRENS PARK: PROPOSED PARK IMPROVEMENTS

The proposed design for Ahrens Park includes the elements listed below, in Table 3. These improvements can be somewhat flexible in terms of their phasing and sequencing:

TABLE 3: Ahrens Park, Proposed Park Improvements			
Recommendation	**Description**	**Plan Legend Number**	**Potential Cost Range**
Paved Walking Paths	Install paved, accessible walking paths around the field perimeters, connected to the parking lot.	6	$200,000-$300,000
Playground	Develop a playground (ages 2-5 and ages 5-12) adjacent to the existing pavilion/ restroom building	2	$400,000-$600,000

TABLE 3: Ahrens Park, Proposed Park Improvements			
Recommendation	**Description**	**Plan Legend Number**	**Potential Cost Range**
Football Field Lighting	Upgrade football field and install field lighting	5	$300,000-$400,000
Lacrosse Fields	Adjust layout of lacrosse fields to accommodate two small lacrosse fields relocated from Salmon Brook Park	7, 8, 9	$5,000-$10,000
Pump Track	Remove neglected baseball field and develop a pump track for bicycles in its location	4	$600,000-$1,000,000
Expanded Parking Lot	Develop a new parking area (and associated stormwater management) parallel to Park driveway entrance, with pull-through vehicular circulation, to expand parking capacity by about 50%.	1	$250,000-$350,000
Hiking Trails	Develop hiking trails in the wooded portion of the site, using the existing abandoned road/path down the hillside	10	$50,000-$100,000
Additional Pickleball Courts	Potentially develop additional new pickleball courts in the location shown on Ahrens Park Master Plan. Pickleball courts at this location would be in addition to the relocated courts proposed for Salmon Brook Park, not in place of them, since removing pickleball from Salmon Brook Park may result in informal use of the tennis courts for pickleball.	3	$400,000-$500,000

SUMMARY OF ANTICIPATED PERMITS

Potential permits for the proposed park improvements may include, but are not necessarily limited to, the following:

For any of the proposed improvements that occur within a wetland/watercourse, or within 100 feet measured horizontally from the boundary of any wetland, or within 200 feet of any vernal pool or watercourse, a permit would be required from the Town of Granby Inland Wetlands & Watercourses Commission. Work directly in a wetland or watercourse would also require a permit from the U.S. Army Corps of Engineers.

A new curb cut and driveway at the Route 20 parking lot would require an Encroachment Permit from the Connecticut Department of Transportation, and a Town of Granby Driveway Permit.

Any proposed work impacting more than one acre of land will require a Construction General Permit (CGP) under the National Pollutant Discharge Elimination System (NPDES), which includes preparation of a Stormwater Pollution Prevention Plan (SWPPP).

Installation of a new well would require a permit from the Farmington Valley Health District.

A Building Permit from the Town of Granby would be required for the construction of new buildings, outbuildings, or any improvement that requires the installation or movement of mechanical, electrical, heating or plumbing equipment or components.

CLOSING

We appreciate the opportunity to assist the Town of Granby on this project and look forward to discussing this with you further. Please contact us at (413) 726-2100 if you have any questions concerning this summary memorandum.

Very truly yours,
GZA GEOENVIRONMENTAL, INC.

Daniel Shaw, PLA
Landscape Architect

Anja Duffy, PLA
Consultant / Reviewer

Stephen Lecco,
For Nathaniel L. Russell, P.E.
Principal-in-Charge

Attachments:

Attachment A – Limitations
Attachment B – Salmon Brook Park Master Plan
Attachment C – Ahrens Park Master Plan
Attachment D – Public Meeting Presentation #1
Attachment E – Public Meeting Dot Sticker Voting Boards
Attachment F – Public Meeting Presentation #2
Attachment G – Online Survey Results

ATTACHMENT A:

LIMITATIONS

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the contract documents, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in Proposal for Services and/or Report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. If conditions other than those described in this report are found at the subject location(s), or the design has been altered in any way, GZA shall be so notified and afforded the opportunity to revise the report, as appropriate, to reflect the unanticipated changed conditions .

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. In preparing this report, GZA relied on certain information provided by the Client, state and local officials, and other parties referenced therein which were made available to GZA at the time of our evaluation. GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this evaluation. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. Site-specific evaluation of groundwater levels have not been made. Fluctuations in the level of the groundwater should be anticipated to occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The water table encountered in the course of the work may differ from that indicated in the Report.

7. GZA's services did not include an assessment of the presence of oil or hazardous materials at the project location. Consequently, we did not consider the potential impacts (if any) that contaminants in soil or groundwater may have on construction activities, or the use of structures on the property.

COMPLIANCE WITH CODES AND REGULATIONS

8. We used reasonable care in identifying and interpreting applicable codes and regulations. These codes and regulations are subject to various, and possibly contradictory, interpretations. Compliance with codes and regulations by other parties is beyond our control.

COST ESTIMATES

9. Unless otherwise stated, our cost estimates are only for comparative and general planning purposes. These estimates may involve approximate quantity evaluations. Note that these quantity estimates are not intended to be sufficiently accurate to develop construction bids, or to predict the actual cost of work addressed in this Report. Further, since we have no control over either when the work will take place or the labor and material costs required to plan and execute the anticipated work, our cost estimates were made by relying on our experience, the experience of others, and other sources of readily available information. Actual costs may vary over time and could be significantly more, or less, than stated in the Report.

10. Cost opinions presented in the Report are based on a combination of sources and may include published RS Means Cost Data; past bid documents; cost data from federal, state or local transportation agency web sites; discussions with local experienced contractors; and GZA's experience with costs for similar projects at similar locations. GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this evaluation. Actual costs will likely vary depending on the quality of materials and installation; manufacturer of the materials or equipment; field conditions; geographic location; access restrictions; phasing of the work; subcontractors mark-ups; quality of the contractor(s); project management exercised; and the availability of time to thoroughly solicit competitive pricing. In view of these limitations, the costs presented in the Report should be considered "order of magnitude" and used for budgeting and comparison purposes only. Detailed quantity and cost estimating should be performed by experienced professional cost estimators to evaluate actual costs. The opinions of cost in the Report should not be interpreted as a bid or offer to perform the work. Unless stated otherwise, all costs are based on present value.

11. The opinion of costs are based only on the quantity and/or cost items identified in the Report, and should not be assumed to include other costs such as legal, administrative, permitting or others. The estimate also does not include any costs with respect to third-party claims, fines, penalties, or other charges which may be assessed against any responsible party because of either the existence of present conditions or the future existence or discovery of any such conditions.

ADDITIONAL SERVICES

12. GZA recommends that we be retained to provide services during any future: site observations, design, implementation activities, construction and/or property development/redevelopment. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

ATTACHMENT B:

SALMON BROOK PARK MASTER PLAN

SOURCES: UCONN CLEAR, CT DEEP, ONES, NEARMAP

PROPOSED NEW PARK FEATURES AND RECREATIONAL OPPORTUNITIES:

1. LANDSCAPED ENTRANCE, VETERAN'S MEMORIAL WALL/GARDEN
2. DEDICATED TENNIS COURTS
3. PARKING LOT EXPANSION AND RECONFIGURATION
4. 3-WAY STOP INTERSECTION
5. NEW PARKING CONFIGURATION AT SMALL PLAYGROUND
6. MULTIPLE FITCORE/ATHLETIC EXERCISE STATIONS ALONG PATH
7. REORIENTATION OF FIELD #1
8. WHEELCHAIR ACCESSIBLE PATHS TO PAVILIONS, BASKETBALL
9. NATURE PLAY AREA (ORIGINAL LARGE PLAYGROUND LOCATION)
10. PATHWAY CONNECTION BETWEEN LACROSSE AND BALL FIELDS
11. SKATEPARK
12. WATER SPRAY DECK/SPLASHPAD
13. NEW PLAYGROUND (5-12 YEAR OLD)
14. DEDICATED PICKLEBALL COURTS WITH LIGHTING
15. NEW PUBLIC RESTROOM BUILDING
16. REORIENTATION AND RELOCATION OF FIELD #3
17. REORIENTATION OF FIELD #5
18. NEW ACCESSIBLE PARKING LOT
19. NEW TRAIL ALIGNMENT FOR PEDESTRIAN, EQUESTRIAN USE
20. DEDICATED EQUESTRIAN PARKING AND EXIT TO ROUTE 20

ATTACHMENT C:

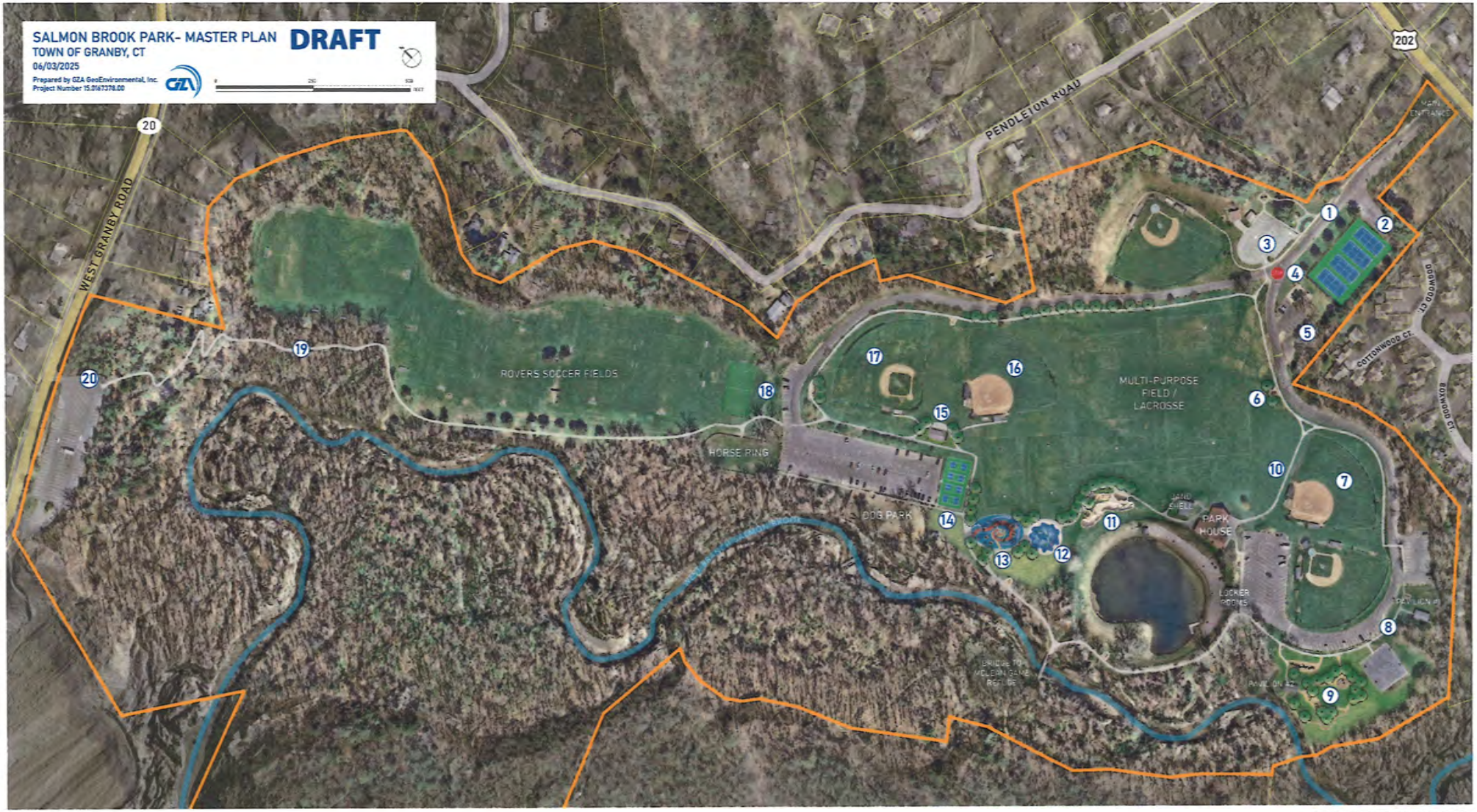
AHRENS PARK MASTER PLAN

SOURCES: UCONN CLEAR, CT DEEP, CNES, NEARMAP

PROPOSED NEW PARK FEATURES AND RECREATIONAL OPPORTUNITIES:

1. INCREASED PARKING CAPACITY, PULL-THROUGH LOT
2. NEW PLAYGROUND FEATURES (2-5 AND 5-12 YEAR OLD)
3. DEDICATED PICKLEBALL COURTS
4. ALL WHEELS PUMP TRACK
5. RESTORATION, LIGHTING FOR FOOTBALL/LACROSSE FIELD
6. PERIMETER WALKING PATHS (APPROXIMATELY 3/4 MILE)
7. RELOCATED LACROSSE FROM SALMON BROOK
8. ADJUSTMENT TO LACROSSE FIELD
9. ADJUSTMENT TO LACROSSE FIELD
10. BACKCOUNTRY HIKING AND MOUNTAIN BIKE TRAILS WITH BROOK ACCESS

GZA



SOURCES: UCONN CLEAR, CT DEEP, CNES, NEARMAP

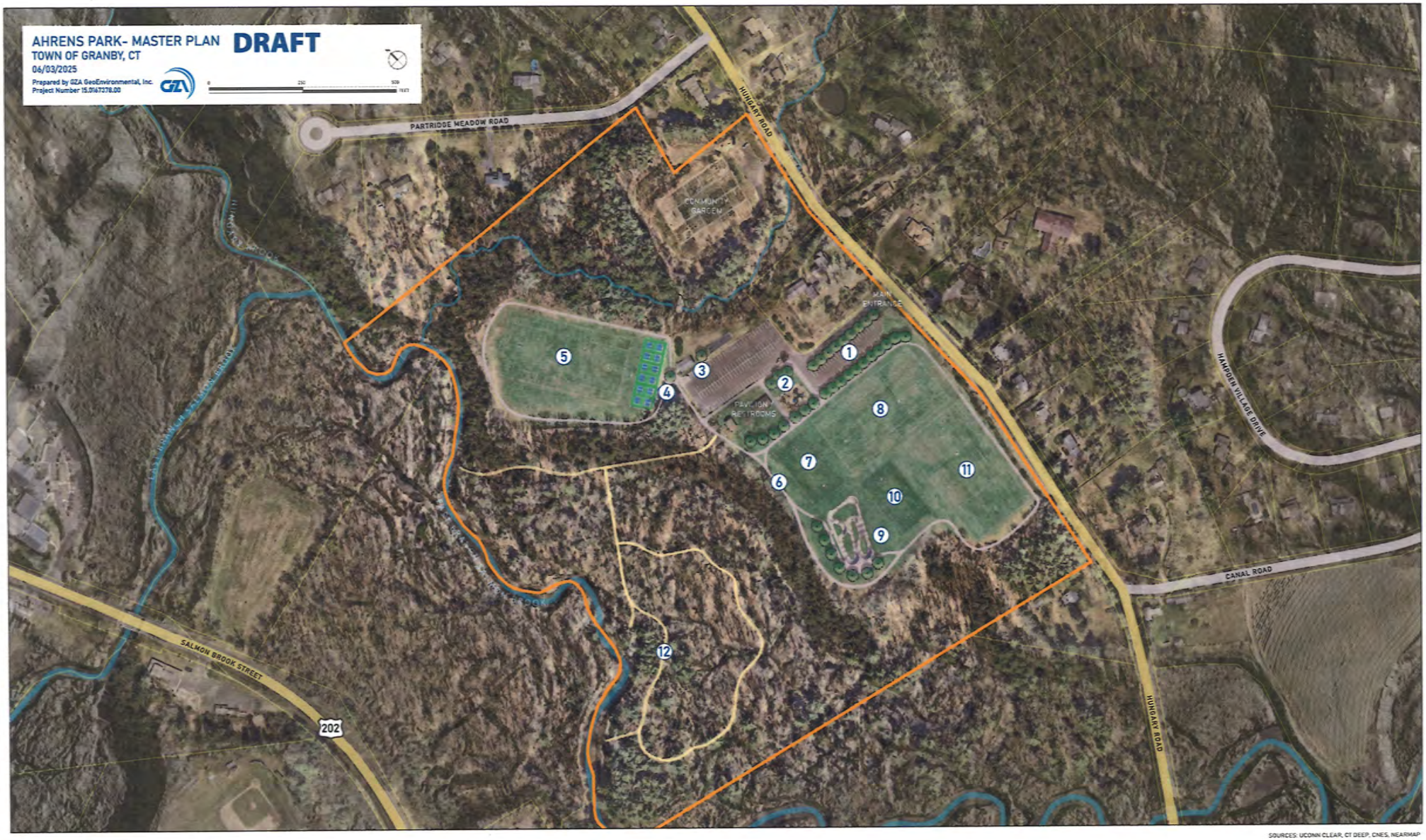
PROPOSED NEW PARK FEATURES AND RECREATIONAL OPPORTUNITIES:

1. LANDSCAPED ENTRANCE, VETERAN'S MEMORIAL WALL/GARDEN
2. DEDICATED TENNIS COURTS
3. PARKING LOT EXPANSION AND RECONFIGURATION
4. 3-WAY STOP INTERSECTION
5. NEW PARKING CONFIGURATION AT SMALL PLAYGROUND
6. MULTIPLE FITCORE/ATHLETIC EXERCISE STATIONS ALONG PATH
7. REORIENTATION OF FIELD #1
8. WHEELCHAIR ACCESSIBLE PATHS TO PAVILIONS, BASKETBALL
9. NATURE PLAY AREA (ORIGINAL LARGE PLAYGROUND LOCATION)
10. PATHWAY CONNECTION BETWEEN LACROSSE AND BALL FIELDS
11. SKATEPARK FEATURE
12. WATER SPRAY DECK/SPLASHPAD FEATURE
13. NEW PLAYGROUND (5-12 YEAR OLD)
14. DEDICATED PICKLEBALL COURTS
15. NEW PUBLIC RESTROOM BUILDING
16. REORIENTATION AND RELOCATION OF FIELD #3
17. REORIENTATION OF FIELD #5
18. MINI-PITCH SOCCER FEATURE
19. NEW TRAIL ALIGNMENT FOR PEDESTRIAN, EQUESTRIAN USE
20. DEDICATED EQUESTRIAN PARKING AND EXIT TO ROUTE 20

SOURCES: UCONN CLEAR, CT DEEP, CNES, NEARMAP

PROPOSED NEW PARK FEATURES AND RECREATIONAL OPPORTUNITIES:

1. INCREASED PARKING CAPACITY, PULL THROUGH LOT
2. NEW PLAYGROUND FEATURES (2-5 AND 5-12 YEAR OLD)
3. SPORTS/ATHLETIC CLUB HOUSE
4. DEDICATED PICKLEBALL COURTS
5. LOCATION ADJUSTMENT TO FOOTBALL/LACROSSE FIELD
6. PERIMETER WALKING PATHS (APPROXIMATELY 3/4 MILE)
7. RELOCATED LACROSSE FROM SALMON BROOK
8. ADJUSTMENT TO LACROSSE FIELD
9. CYCLE/SCOOTER PUMP TRACK FEATURE
10. RELOCATED LACROSSE FROM SALMON BROOK
11. ADJUSTMENT TO LACROSSE FIELD
12. BACKCOUNTRY HIKING/MOUNTAIN BIKE TRAILS FOR WATER, CREEK ACCESS



SOURCES: UCONN CLEAR, CT DEEP, CNES, NEARMAP

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3. SPORTS/ATHLETIC CLUB HOUSE
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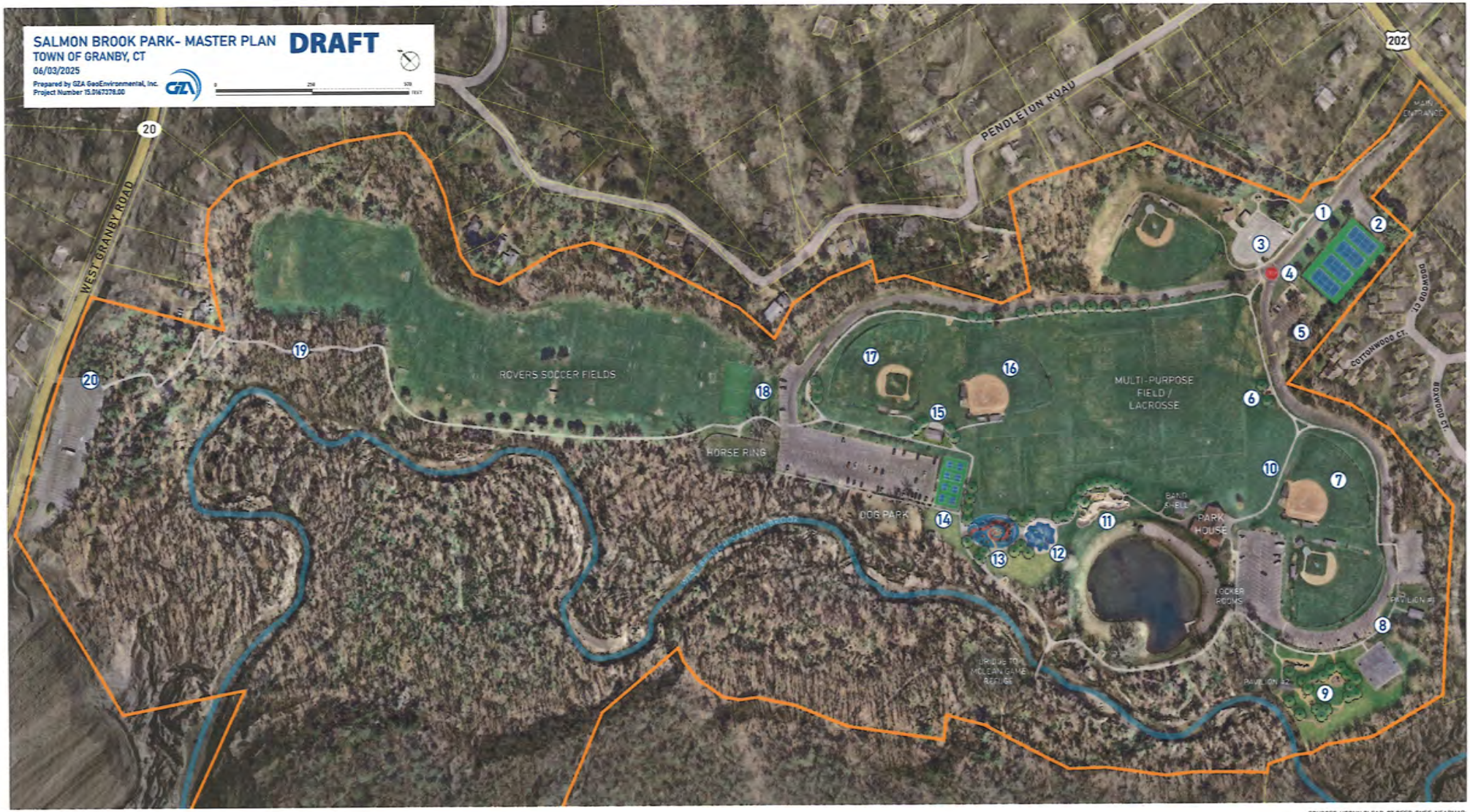

PROPOSED NEW PARK FEATURES AND RECREATIONAL OPPORTUNITIES:

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16. REORIENTATION AND RELOCATION OF FIELD #3
17. REORIENTATION OF FIELD #5
18. MINI-PITCH SOCCER FEATURE
19. NEW TRAIL ALIGNMENT FOR PEDESTRIAN, EQUESTRIAN USE
20. DEDICATED EQUESTRIAN PARKING AND EXIT TO ROUTE 20

PROJECT BUDGET

GRANBY MEMORIAL HIGH SCHOOL ATHLETIC FACILITY IMPROVEMENTS

Date: April 21, 2025

Prepared For: Karl Gates - Athletic Director & Student Activities Coordinator

Prepared By: Andrew Dyjak – Regional Vice President, New England
Chris Hulk, PE – Regional Vice President, New England
Jonathan Luster, PE – Regional Construction Manager, New England

Address: Granby Memorial High School| 54 N Granby Rd, Granby, CT 06035

FieldTurf pricing is based on the Capital Region Education Council (CREC) program. CREC is a member of The Association of Educational Purchasing Agencies (AEPA) program. The AEPA is a purchasing co-op that provides member schools with pre-determined preferential pricing by approved vendors. Since the product has already been bid at the national level, individual schools do not have to duplicate the formal bid process. AEPA IFB #024.

Click on the following AEPA hyperlink for more information: AEPA IFB #24

Master Review Approach:

FieldTurf has reviewed each site on the campus with School and Town staff to review both existing conditions and future development desires. Through this process FieldTurf has become familiar with the needs and wants of the School to best serve the School and Town moving forward. The recommendations that are proposed below are based on hundreds of Connecticut installations, the design build approach that has become the preferred procurement method of many municipalities in the New England area and by in house professional engineering staff design.

A conceptual layout plan has been developed for each site with associated budgets. These budgets are subject to change and be altered upon further refinement of scope between FieldTurf and the School/Town. FieldTurf will help develop the final scope of the project, then develop professionally engineered plans tailored to each site and finally assist the School/Town with obtaining permits.

FieldTurf is part of Tarkett Sports and has become the industry leader in synthetic turf, design build and athletic facility development. Through Tarkett Sports we have in house post tension concrete court division, synthetic track divisions, synthetic turf divisions, long term care divisions and partnerships with various lighting companies. All of these have helped to develop the attached scopes and budgets.

PROJECT BUDGET

Overview Pricing:

Below are suggested project scope items for each site. Full break down has been included in individual budgets and may contain additional options for consideration.

- Track and Field		
o Option 2 Reconstruction		$ 600,000 - $750,000
o Synthetic Turf Replacement		$ 675,000 - $750,000
o Synthetic Track Renovation		$ 755,000 - $940,000
o Ball Netting		$ 135,000 - $170,000
o New Bleachers with Press Box		$ 650,000 - $ 750,000
	➢ ***Suggested Budget***	***$2,815,000 - $3,360,000***
- Baseball / Softball Field		
o Field Reconstruction		$ 2,850,000 - $3,450,000
o New Scoreboard		$ 90,000 - $ 125,000
o Athletic Field Lighting		$ 675,000 - $ 750,000
	➢ ***Suggested Budget***	***$3,615,000 - $4,325,000***
- Tennis Courts		
o Post Tension Concrete Courts		$ 1,200,000 - $ 1,300,000
o Walkways and Plantings		$115,000 - $150,000
	➢ ***Suggested Budget***	***$1,315,000 - $1,450,000***
- Field 2		
o Turf Replacement		$ 650,000 - $ 700,000
o Improved Ball Netting		$ 45,000 - $ 85,000
o New Scoreboard		$65,000 - $ 95,000
	➢ ***Suggested Budget***	***$ 760,000 - $ 880,000***

- Suggested Referendum Proposal: $8,505,000 - $10,015,000
  - *The suggested referendum proposal is provided as an overall budget for the Town to procure funds for the overall project to be completed. FieldTurf will work with the Town to develop the final scope of the project to allow a firm price and project prior to development of a referendum. It is likely that the provided budget numbers will be revised after additional scope refinement.*

FieldTurf
A Tarkett Sports Company

NOTES:
1) ALL DESIGN AND EXISTING CONDITIONS MAPPING BASED ON AVAILABLE MAPPING AND SHOULD BE CONSIDERED APPROXIMATE.
2) THIS DESIGN IS THE SOLE PROPERTY OF FIELDTURF, USA AND REQUIRES A CERTIFIED FIELDTURF INSTALLER AND BUILDER TO IMPLEMENT THE PROPOSED CONDITIONS.
3) THIS DESIGN IS THE SOLE PROPERTY OF FIELDTURF, USA AND NO ATTEMPTS SHALL BE MADE TO DUPLICATE OR REPLICATE WITHOUT THE PREMISSION OF FIELDTURF.

GRANBY MEMORIAL HIGH SCHOOL ATHLETIC FACILITIES

39 SCHOOL STREET
GRANBY, CONNECTICUTACHUSETTS

0' 40' 80' 160'
SCALE: 1"=80'

APRIL 15, 2025

FULL SITE

PROJECT BUDGET

GRANBY MEMORIAL HIGH SCHOOL
TRACK & FIELD IMPROVEMENTS

Existing Conditions Aerial

Conceptual Layout

Date: April 18, 2025

Prepared For: Karl Gates - Athletic Director & Student Activities Coordinator

Prepared By: Andrew Dyjak – Regional Vice President, New England
Chris Hulk, PE – Regional Vice President, New England
Jonathan Luster, PE – Regional Construction Manager, New England

Address: Granby Memorial High School| 54 N Granby Rd, Granby, CT 06035

This budget proposal encompasses all facets of the project, with FieldTurf offering a comprehensive, turnkey solution that includes design, project oversight, and construction. The budget is based on current site conditions, review meeting with the school, and the planned construction period in spring/summer 2026.

FieldTurf pricing is based on the Capital Region Education Council (CREC) program. CREC is a member of The Association of Educational Purchasing Agencies (AEPA) program. The AEPA is a purchasing co-op that provides member schools with pre-determined preferential pricing by approved vendors. Since the product has already been bid at the national level, individual schools do not have to duplicate the formal bid process. AEPA IFB #024.

Click on the following AEPA hyperlink for more information: *AEPA IFB #24*

Below is a detailed cost breakdown for site construction, turf installation and overall implementation of the project.

PROJECT BUDGET

Project Description:

The existing track and field at Granby Memorial High School is in need of remediation efforts from sinks holes that have developed along the eastern side of the track / field. Based on geotechnical information provided by the Town, it appears that organic material has decayed below the eastern side of the track / field. The depths of this material are present up to 10' below existing grade.

Several options for remediation efforts have been developed with associated budgets. Final scope will require additional discussion and planning with the School and Town. FieldTurf has developed each option as a stand-alone project and also included several alternatives for consideration. For example, as part of Option 2, various areas of the track and field will need to be removed and based on the age and amount of removal it would be prudent to replace the full extent of the track surfacing and turf surfacing to begin new warranty period. Lastly, alternates have been included for site improvements such as LED lighting, press box, ball netting, etc…

Depending on final scope, the project is anticipated to be constructed in a ±3-4-month timeframe. It is also anticipated that access and staging areas will be available nearby. This budget is intended to assist the school in preparing for this project. Additional discussions, review and programming will be required to refine the scope and budget prior to construction.

FIELD REMEDIATION OPTIONS:

- **Option 1** **$1,150,000 - $1,300,000**
  - **General Scope: Reconstruction of +/- 1/3 of Track/Field**
    - Remove and dispose of existing track surfacing within limits shown
    - Cut and remove existing synthetic turf up to soccer field limits
    - Full depth mill of existing track pavement within limits shown
    - Excavate, remove and salvage existing field stone base and processed aggregate track base
    - Remove and dispose of existing turf anchor curb and track drain within limits shown
    - Remove and salvage existing storm drainage piping
    - Remove and dispose of existing electrical conduit and wiring within field area
    - Excavate and remove existing soils to a depth of approximately 10' to remove unsuitable soils
    - Provided adequate shoring and safety measures
    - Town provided 3rd party field testing agency
    - Furnish and install new subgrade materials, compact in lifts to geotechnical recommendations
    - Furnish and install geogrid support mesh in 2 layers
    - Reinstall drainage piping and electrical conduits
    - Furnish and install new ACO drain and concrete turf anchor curb
    - Reinstall appropriate base materials for track and field areas
    - Install new pavement from limits of removal
    - Furnish and install new track surfacing and striping within limits shown
    - Furnish and install new synthetic turf within limits shown

- **Option 2** **$600,000 - $750,000**
  - **General Scope: Extensive Exploration and Solidify**
    - GPS located major sink hole areas and record for future exploration use
    - Remove and dispose of existing track surfacing within limits shown
    - Remove existing infill and roll back existing synthetic turf to soccer limits
    - Full depth mill of existing track pavement within limits shown
    - Excavate, remove and salvage existing field stone base and processed aggregate track base as necessary
    - Remove and dispose of existing turf anchor curb and track drain in various areas and install new
    - Remove and replace damaged sections of drainage piping
    - Remove and dispose of existing electrical conduit and wiring if encountered during exploration
    - Conduct a series of 10' deep x 2' diameter augur holes along eastern side of track / field
    - Remove and dispose of excavated material
    - Install flowable fill in all excavated holes to a depth of approximately 1' below finished grade
    - Furnish and install geogrid support mesh prior to backfill
    - Town provided 3rd party field testing agency
    - Furnish and install new subgrade materials, compact in lifts to geotechnical recommendations
    - Reinstall drainage piping and electrical conduits as necessary
    - Furnish and install new ACO drain and concrete turf anchor curb
    - Reinstall appropriate base materials for track and field areas
    - Install new pavement from limits of removal
    - Furnish and install new track surfacing and striping within limits shown
    - Furnish and install new synthetic turf within limits shown

SYNTHETIC TURF IMPROVEMENTS

- **Synthetic Turf Installation** **$675,000 - $750,000**
  - Remove and recycle existing synthetic turf carpet and infill
  - Laser grade base stone and supplement base stone as needed in order to achieve planarity prior to turf installation
  - Furnish and install synthetic turf for field
  - Synthetic turf with SBR rubber and sand infill
  - Colored end zone
  - Alternating turf panels
  - Post installation GMAX field testing

- **End Zone Letters** **$15,000 - $28,000**
  - "GRANBY" end zone lettering
- **Midfield Logo** **$15,000 - $20,000**
  - Midfield Grizzly Style Logo

PROJECT BUDGET

FieldTurf
A Tarkett Sports Company

TRACK IMPROVEMENTS

- **Track Base Reconstruction** — **$375,000 - $450,000**
  - Remove and dispose of existing rubberized track surface
  - Mill and dispose of existing asphalt base (Top 1.5")
  - Pave 1.5" asphalt base
    - Match grades to existing perimeter trench drain which is to remain

- **Track Surfacing BSS-100** — **$350,000 - $450,000**
  - Supply and install Beynon BSS-100 polyurethane track surfacing
    - Base color: Beynon red
  - Perform track striping

OR

- **Track Surfacing BSS-300** — **$580,000 - $650,000**
  - Supply and install Beynon BSS-300 polyurethane track surfacing
    - Base color: Beynon red
  - Perform track striping

- **Colored Exchange Zones** — **$30,000 - $40,000**
  - (3) colored exchange zones

SITE IMPROVEMENTS

- **New Perimeter Chain Link Fencing (1500 L.F.)** — **$70,000 - $80,000**
  - Existing foundations and poles to remain and be painted
  - Supply and install new 4' height chain link mesh, top and bottom rails, and hardware

- **20' Height Ball Safety Netting** — **$80,000 - $95,000**
  - Supply and install 20-foot-high ball safety netting in D-Zones, including foundations, sleeves, poles, netting, and hardware along the field end lines

- **10' Height Ball Safety Netting** — **$55,000 - $75,000**
  - Supply and install 10-foot-high ball safety netting in corners of field up to 20 yard line, including foundations, sleeves, poles, netting, and hardware along the field end lines

- **Press Box** — **$175,000 - $225,000**
  - Furnish and install new press box behind existing bleachers
  - Includes new foundation and support structure
  - ADA access lift listed as separate item if needed

- **ADA Lift** — **$95,000 - $125,000**
  - Furnish and install new ADA accessible lift to press box
  - Includes foundation and installation

PROJECT BUDGET

- **Retrofit of Existing Athletic Lighting** **$200,000 - $250,000**
  - Remove and dispose of existing light fixtures and replace with LED fixtures
  - Poles to remain

- **New Bleachers with Press Box** **$650,000 - $750,000**
  - Furnish and install new double sided bleachers to service both fields (+/- 400 seats)
  - Furnish and install press box between fields for use for both fields
  - Furnish and install concrete slab for bleachers
  - Provide power supply

EXCLUSIONS

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- *Mass Excavation as required to achieve subgrade*
- *Rock excavation*
- *Offsite disposal of generated spoils*
- *Excavation or disposal of unsuitable or contaminated soils*
- *Site security*
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- *Testing or Inspection Fees*
- *Site restoration, sodding, landscaping or grow-in beyond disturbed areas*
- *Repair or resurfacing existing asphalt parking lot if damaged by truck traffic*
- *Bond fees and non-local permits*

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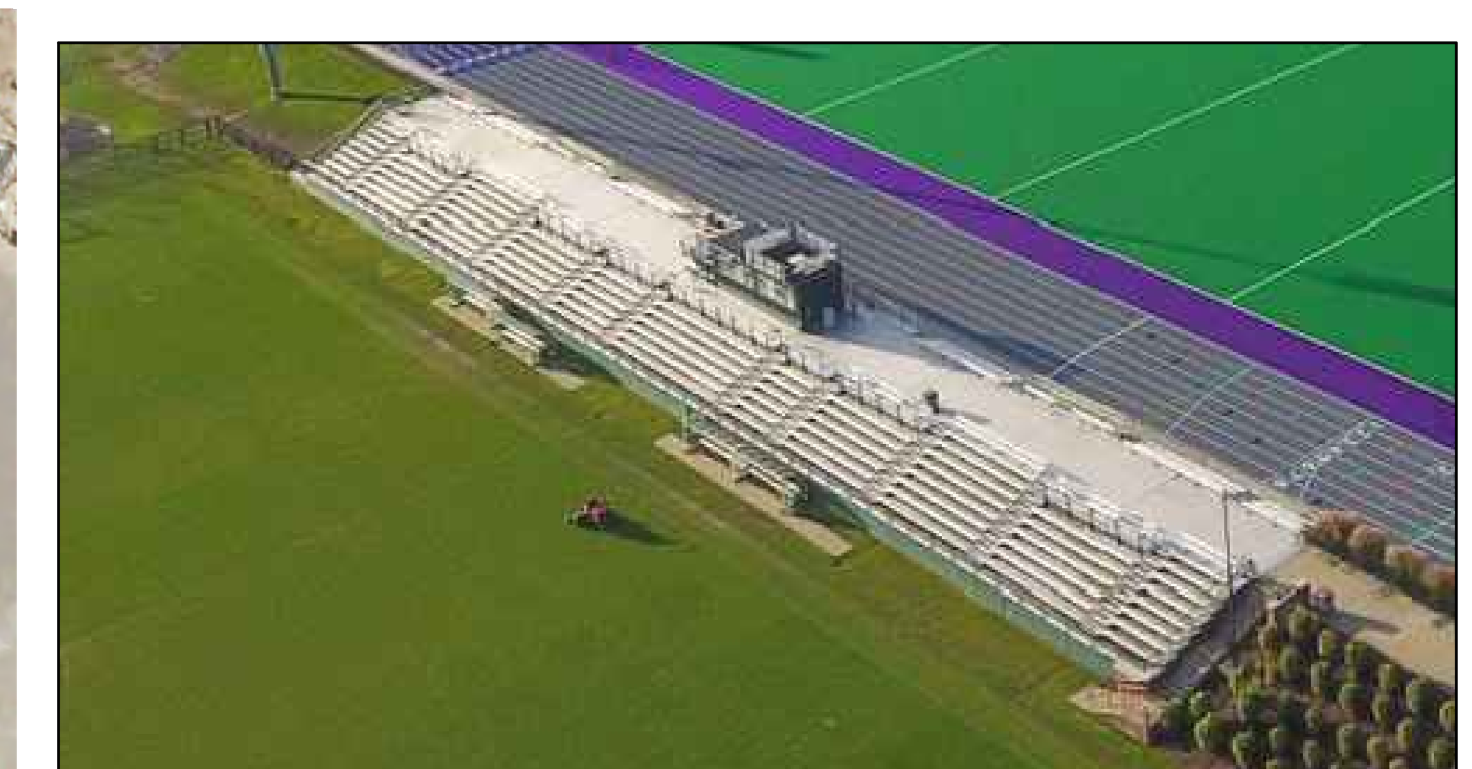
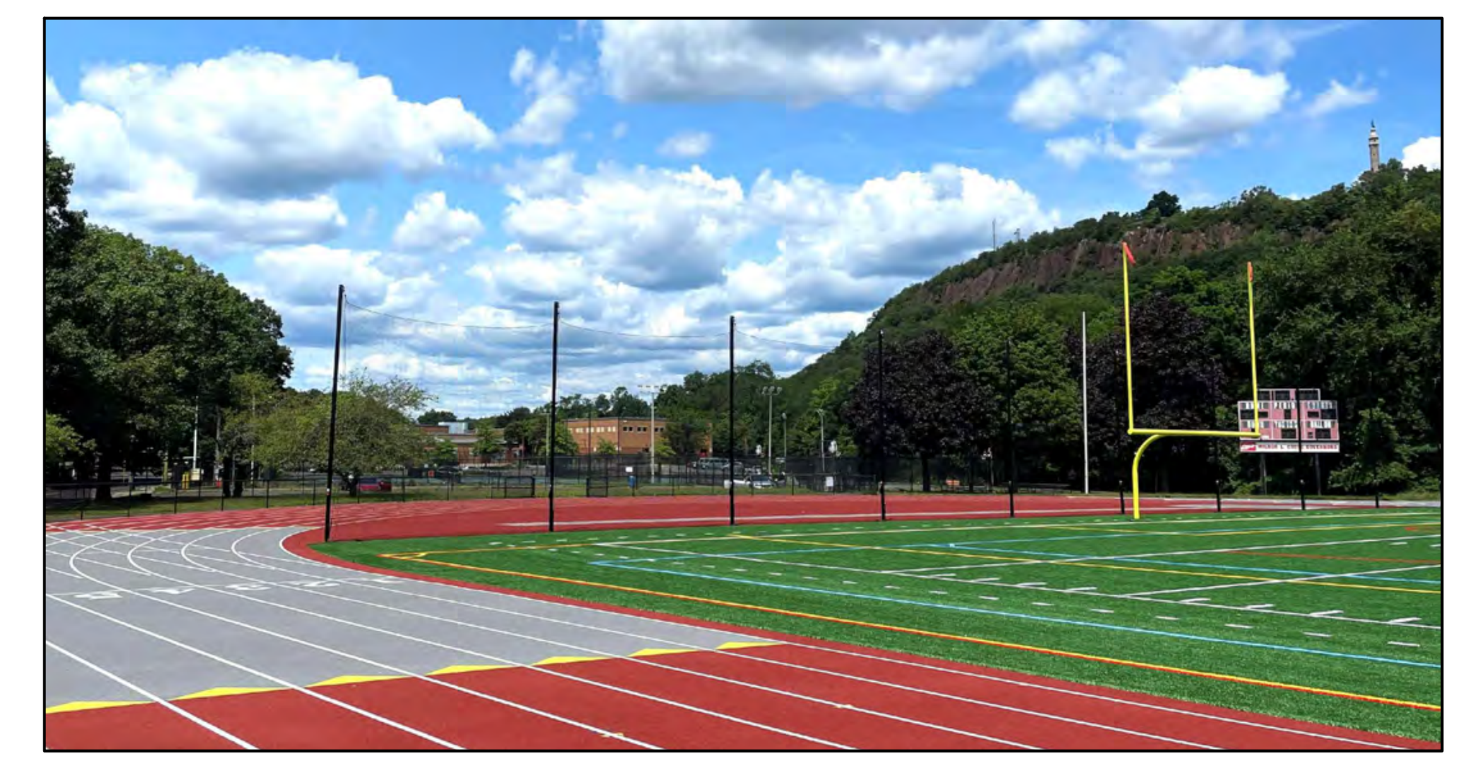
EXAMPLE PROJECT 1

EXAMPLE PROJECT 2

EXAMPLE PROJECT 3



EXAMPLE DOUBLE SIDED BLEACHER



EXAMPLE BALL NETTING

EXAMPLE SCOREBOARD

FieldTurf
A Tarkett Sports Company

NOTES:
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GRANBY MEMORIAL HIGH SCHOOL TRACK & FIELD

39 SCHOOL STREET
GRANBY, CONNECTICUTACHUSETTS

0' 15' 30' 60'
SCALE: 1"=30"

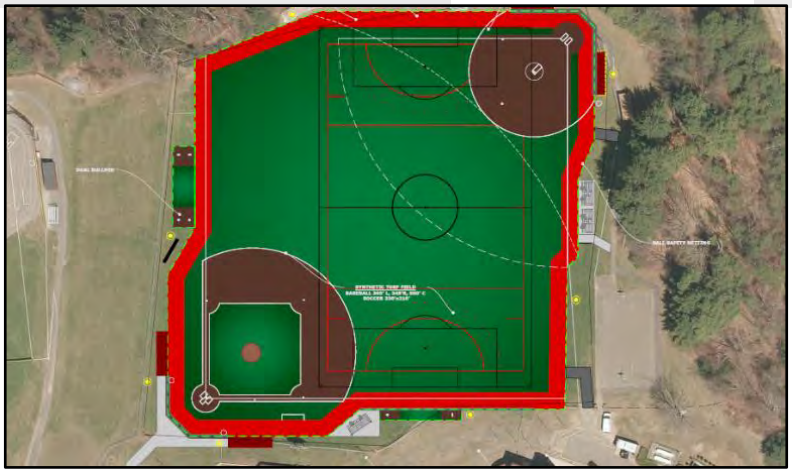
APRIL 15, 2025

TRACK & FIELD

PROJECT BUDGET

GRANBY MEMORIAL HIGH SCHOOL
BASEBALL & SOFTBALL IMPROVEMENTS

Existing Conditions Aerial



Conceptual Layout

Date: April 21, 2025

Prepared For: Karl Gates - Athletic Director & Student Activities Coordinator

Prepared By: Andrew Dyjak – Regional Vice President, New England
Chris Hulk, PE – Regional Vice President, New England
Jonathan Luster, PE – Regional Construction Manager, New England

Address: Granby Memorial High School| 54 N Granby Rd, Granby, CT 06035

This budget proposal encompasses all facets of the project, with FieldTurf offering a comprehensive, turnkey solution that includes design, project oversight, and construction. The budget is based on current site conditions, review meeting with the school, and the planned construction period in spring/summer 2026.

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Click on the following AEPA hyperlink for more information: AEPA IFB #24

Below is a detailed cost breakdown for site construction, turf installation and overall implementation of the project.

PROJECT BUDGET

FieldTurf
A Tarkett Sports Company

Project Description:

This project proposes to reconstruct the existing baseball to a new all-weather synthetic turf field with baseball, softball and overlay fields.

The existing field will have all fencing, topsoil, irrigation, and clay removed. Earthmoving activities will be conducted to achieve proposed grades. The field will then have the concrete turf anchor curbing, stone base, and drainage system installed. Fencing of various heights and sizes will be installed and be integral to the concrete turf anchor curb. Additionally, a tension netting backstop system extending from one dugout to the other is proposed. Additional scope items such as new dugouts, new LED light fixtures, bleachers, and walkways have been added as alternates to the base bid.

Depending on final scope, the project is anticipated to be constructed in a ± 4-month timeframe. It is also anticipated that access and staging areas will be available nearby. This budget is intended to assist the town in preparing for this project. Additional discussions, review, and programming will be required to refine the scope and budget prior to construction.

- *Note: All plans will be developed by FieldTurf in house licensed professionally engineering staff*

- **Site Civil Construction**
  - Install Sediment and Erosion Controls Including Construction Entrance Pad
  - Remove Existing Topsoil, Irrigation, And Fencing
    - Topsoil To Be Removed from Site
  - Import / Export General Fill to Meet Proposed Field Grades
  - Cut And Cap Existing Irrigation System
    - Install Turf Box with Quick Coupler Connection
  - Furnish And Install All Concrete Turf Anchor Curbing
  - Furnish And Install Fencing and Netting as Applicable
  - Furnish And Install Storm Drainage Piping and Flat Panel Drains
  - Installation Of Dynamic Stone Base Layers and Storm Drainage Overflow
  - Furnish And Install Concrete Pads and Walkways
  - Furnish And Install Tension Netting Backstop
  - Furnish And Install Batting Cage/ Bullpen Area
  - Fine Grade Field in Preparation of Synthetic Turf
  - Furnish And Install Concrete Slab for Dugouts and Portable Bleachers
  - Improve Paved Access to Field
  - Install Finish Materials and Restore Site to Pre-Construction Conditions

- **Synthetic Turf**
  - Furnish And Install Synthetic Turf for Field
  - Synthetic Turf with SBR Rubber and Sand Infill
  - Colors And Field Markings as Shown on Rendering
  - No logos or specialize lettering
  - Post Installation GMAX Field Testing

SUGGESTED PROJECT BUDGET **$ 2,900,000– $ 350,000**

- *Contingency*
  - *A typical project of this type and scope we would suggest a contingency for design, general conditions, and construction of 8% - 10%. This contingency would provide the School / Town level of safety for unknown site conditions such as rock removal, unsuitable soils, etc.*

- ***Alternate: New Scoreboard*** ***$90,000 - $125,000***
  - *Furnish And Install Multi-Use Scoreboard*
  - *Assumed Programmable Boards with Display/Naming Panel Above Board*
  - *Scoreboard (8'H X 25'W)*

- ***Alternate: New LED Lighting Fixtures*** ***$675,000 - $750,000***
  - *Furnish And Install New LED Light Fixtures on Existing Poles*
  - *Assumed 8 Pole System*
  - *New Power Supply within 100' of Field*

EXCLUSIONS

- *Any costs associated with necessary charges relating to the delineation of the field*
- *The supply of manholes or clean-outs or grates, or supply of the manhole covers*
- *Any alteration or deviation from specifications involving extra costs, which alteration or deviation will be provided only upon executed change orders, and will become an extra charge over and above the offered price*
- *Soil stabilization or remediation of any type*
- *Mass Excavation as required to achieve subgrade*
- *Rock excavation or ledge removal*
- *Offsite disposal of generated spoils*
- *Excavation or disposal of unsuitable or contaminated soils*
- *Site security*
- *Once subgrade has been established, a proof roll will be performed to ensure structural stability of the soils; in the event that unsuitable soils are encountered, a price to remedy these areas can be negotiated based on recommended methods per project Engineer*
- *Testing or Inspection Fees*
- *Site restoration, sodding, landscaping or grow-in beyond disturbed areas*
- *Repair or resurfacing existing asphalt parking lot if damaged by truck traffic*
- *Bond fees and non-local permits*

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FieldTurf
A Tarkett Sports Company

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GRANBY MEMORIAL HIGH SCHOOL BASEBALL FACILITY IMPROVEMENTS

PLEASANT STREET
GRANBY, CONNECTICUT

0' 15' 30' 60'

SCALE: 1"=30'

APRIL 14, 2025

BASEBALL

PROJECT BUDGET

GRANBY MEMORIAL HIGH SCHOOL
TENNIS COURT IMPROVEMENTS

Existing Conditions Aerial

Conceptual Layout

Date: April 18, 2025

Prepared For: Karl Gates - Athletic Director & Student Activities Coordinator

Prepared By: Andrew Dyjak – Regional Vice President, New England
Chris Hulk, PE – Regional Vice President, New England
Jonathan Luster, PE – Regional Construction Manager, New England

Address: Granby Memorial High School| 54 N Granby Rd, Granby, CT 06035

This budget proposal encompasses all facets of the project, with FieldTurf offering a comprehensive, turnkey solution that includes design, project oversight, and construction. The budget is based on current site conditions, review meeting with the school, and the planned construction period in spring/summer 2026.

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Click on the following AEPA hyperlink for more information: *AEPA IFB #24*

Below is a detailed cost breakdown for site construction, court installation and overall implementation of the project.

PROJECT BUDGET

Project Description:

This project proposes to reconstruct the existing tennis courts to new post tension concrete courts. The existing tennis courts will be reclaimed in place and regrade to meet current standards. All existing vegetation, fencing, pavement and netting will be removed and disposed of. The reconstruction will also include all new post tension concrete courts, fencing, netting and court surfacing. Additionally, alternates have been added to the areas outside of the courts for new plantings, walkways, lighting, etc…

The project is expected to be completed in +/- 3 months. The courts will be constructed in two separate slabs to accommodate the grade changes and court layout. It is anticipated that access and staging areas will be available nearby. This budget is intended to assist the school in preparing for this project. Additional discussions, review and programming will be required to refine the scope and budget prior to construction.

- *Note: All plans will be developed by FieldTurf in house licensed professionally engineering staff*

- **TENNIS COURT RECONSTRUCTION** **$1,200,000 - $1,300,000**

- **Tennis Court Reconstruction**
    - Install Sediment & Erosion Controls
    - Remove Existing Site Features
    - Reclaim Existing Pavement In Place
    - Perform Mass Earthwork Operations
    - Cuts And Fills to Meet Proposed Subgrade
    - Laser Grade Subgrade and Compact
    - Furnish And Install Gravel Base and Processed Aggregate Base Materials
    - Furnish And Install New Net Footings, Posts, Nets and Center Straps
    - Furnish And Install 5-1/2” Post Tensioned Concrete Court Slab
        - **Structural Warranty of 50 years is included**
    - Furnish And Install Black Vinyl Coated Chain Link Fence and Gates
    - Surface Courts With Up To 2 Colors
    - Furnish And Install All Court Striping

- ***Alternate 1: Walkways and Planting*** ***$115,000 - $150,000***
    - *Furnish and install new concrete walkways*
    - *Furnish and install area for gazebo style covered area*
    - *Furnish and install plantings*

- ***Alternate 2: Court Lighting*** ***$250,000 - $350,000***
    - *Furnish and install new LED court lighting on 6 courts*
    - *Supply power from nearby source within 100’ of site*
    - *Supply digital control system for access via phone or internet for light controls*

PROJECT BUDGET

FieldTurf® A Tarkett Sports Company

EXCLUSIONS

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- *Rock excavation*
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- *Site security*
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- *Testing or Inspection Fees*
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A Tarkett Sports Company

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GRANBY MEMORIAL HIGH SCHOOL TENNIS FACILITY IMPROVEMENTS

PLEASANT STREET
GRANBY, CONNECTICUT

0' 15' 30' 60'

SCALE: 1"=30'

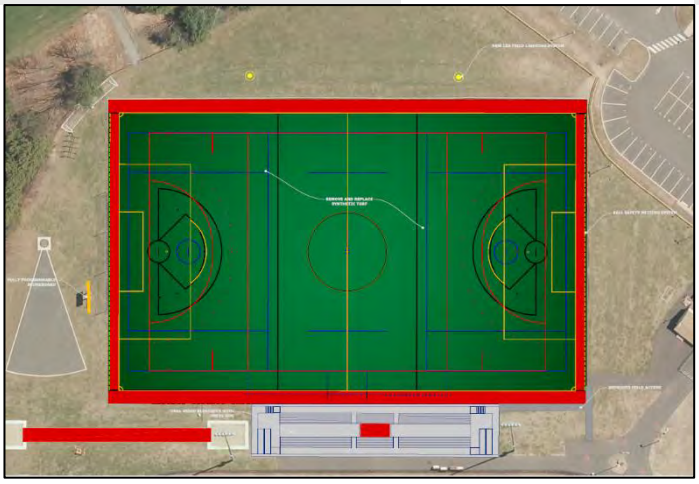
APRIL 14, 2025

TENNIS

PROJECT BUDGET

GRANBY MEMORIAL HIGH SCHOOL
FIELD 2 IMPROVEMENTS

Existing Conditions Aerial



Conceptual Layout

Date: April 21, 2025

Prepared For: Karl Gates - Athletic Director & Student Activities Coordinator

Prepared By: Andrew Dyjak – Regional Vice President, New England
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Below is a detailed cost breakdown for site construction, turf installation and overall implementation of the project.

PROJECT BUDGET

Project Description:

The project proposes to replace the existing synthetic turf carpet with new synthetic turf. The existing turf will be cut into sections, rolled up, and removed from the field. The existing infill will either be placed in sacks for reuse or removed from the field and brought to a recycling facility. The field will then be laser graded to achieve planarity before the new turf is laid down and installed on the field. If additional topping stone is needed to achieve planarity, more stone will be brought in. Additional scope items such as new LED lighting pole and fixtures, ball safety netting, and walkways have been added to the budget below as well.

Depending on final scope, the project is anticipated to be constructed in a ±2-3 month timeframe. It is also anticipated that access and staging areas will be available nearby. This budget is intended to assist the school in preparing for this project. Additional discussions, review and programming will be required to refine the scope and budget prior to construction.

SYNTHETIC TURF IMPROVEMENTS

- **Synthetic Turf Installation** **$650,000 - $700,000**
  - Remove And Recycle Existing Synthetic Turf Carpet And Infill
  - Laser Grade Base Stone And Supplement Base Stone As Needed In Order To Achieve Planarity Prior To Turf Installation
  - Furnish And Install Synthetic Turf For Field
  - Synthetic Turf With SBR Rubber And Sand Infill
  - Colors And Logos Per Rendering
  - Post Installation GMAX Field Testing

- **Alternate: Midfield Logo** **$15,000 - $20,000**
  - Midfield Grizzly Style Bear

- ***Alternate: Improved Ball Netting*** ***$45,000 - $85,000***
  - *Remove Existing Ball Netting*
  - *Furnish And Install New Ball Netting*
  - *Final Size And Location T.B.D.*

- ***Alternate: New Scoreboard*** ***$65,000 - $95,000***
  - *Furnish And Install Multi-Use Scoreboard*
  - *Assumed Programmable Boards With Display/Naming Panel Above Board*
  - *Scoreboard (8'h X 25'w)*

- ***Alternate 5: New Led Lighting Fixtures*** ***$475,000 - $550,000***
  - *Furnish And Install New Led Light Fixtures On Existing Poles*
  - *Assumed 4 Pole System*
  - *New Power Supply Within 100' Of Field*

PROJECT BUDGET

FieldTurf® A Tarkett Sports Company

EXCLUSIONS

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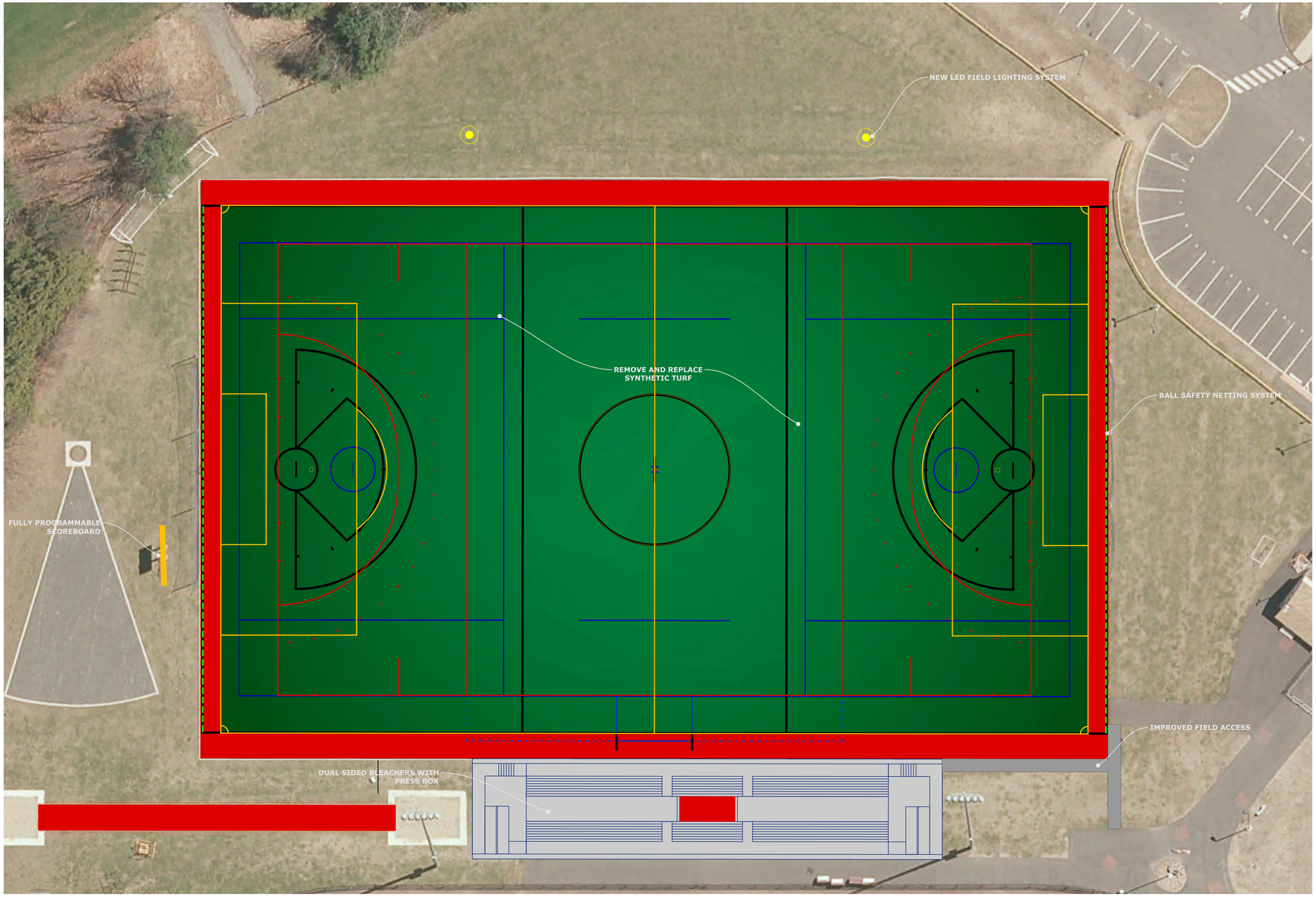
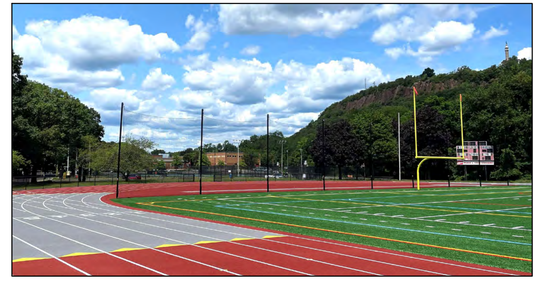
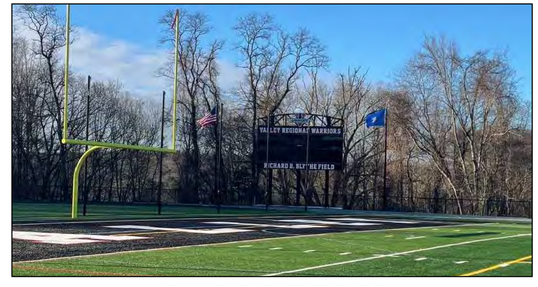


EXAMPLE PROJECT

EXAMPLE PROJECT



EXAMPLE BALL NETTING



EXAMPLE SCOREBOARD

FieldTurf
A Tarkett Sports Company

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GRANBY MEMORIAL HIGH SCHOOL FIELD 2

39 SCHOOL STREET
GRANBY, CONNECTICUTACHUSETTS

0' 10' 20' 40'
SCALE: 1"=20'

APRIL 15, 2025

FIELD 2

Granby Public Schools
Resourceful Learners • Effective Communicators • Positive Contributors

Granby Memorial High School Turf Track and Field

Priority Funding for Turf Track and Field Replacement at Granby Memorial High School

A top priority for funding is the replacement of the turf track and field at Granby Memorial High School. Originally installed in 2013, the track has been meticulously maintained and serves as a source of pride and enjoyment for both the school district and the greater Granby community.

The track is a vital community asset, used daily by residents for walking, running, and athletic training. Granby students rely on the track and field for physical education, wellness, and recreation across three seasons each year. Additionally, Stadium Field is an essential facility that supports not only football but also boys' and girls' soccer, lacrosse, field hockey, and cheerleading. Beyond athletics, the field hosts major events such as the annual GMHS graduation ceremony, Bearcats football games, and community fundraisers, including the Alzheimer's Walk.

Urgent Need for Repairs

In recent years, the track and field have faced significant structural challenges, including the formation of sinkholes. These issues have progressed to the point where track and field meets can no longer be hosted, and safety concerns have led to restrictions on community access.

Turf fields generally have a lifespan of 8–10 years, which can be extended to 10–15 years under optimal conditions. However, as the GMHS field enters its 12th year, it has exceeded its expected lifespan, and due to unique environmental factors, a full replacement is both warranted and necessary.

Cost and Remediation Efforts

The estimated cost to replace the track and field, including the necessary remediation to address existing structural challenges, exceeds $2 million.

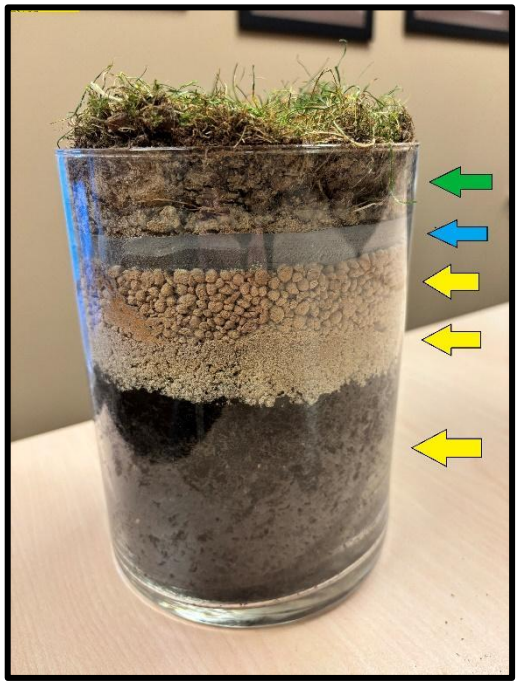
In 2022, the geotechnical firm Haley Aldrich conducted subsurface testing, including seven 15-foot deep geoprobe test holes, to investigate the cause of recurring sinkholes and surface depressions. Their analysis revealed the

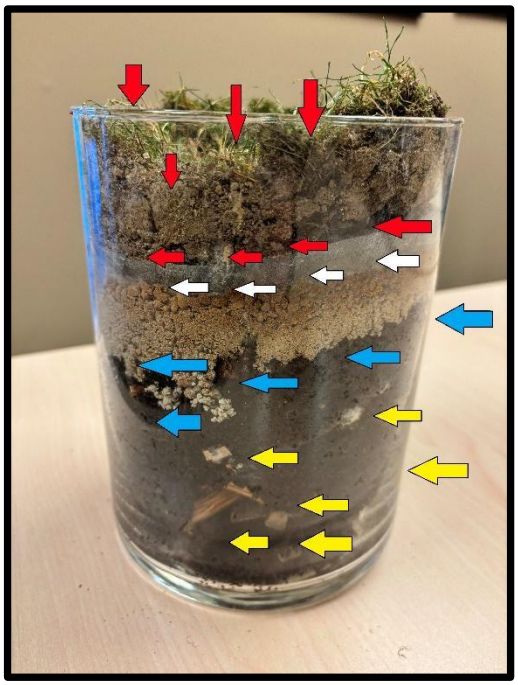
presence of air pockets and poorly graded soil beneath the track area. In 2024, GZA Geotechnical Services reviewed the initial findings, conducted a site visit, and confirmed the assessment.

Both firms concluded that organic materials, such as tree stumps left unexcavated during the original construction, are decomposing over time, creating air pockets that cause the sand layers to sink and surface layers to depress. Additionally, concerns were raised about significant levels of poorly graded sand and air pockets at depths ranging from 1 to 10 feet in various locations.

To ensure long-term stability, experts recommend a comprehensive remediation process, including soil removal, excavation, screening for organic materials, and multiple layers of soil compaction before reinstatement. Without these corrective measures, the risk of additional sinkhole formations in the coming years remains high.

The following samples illustrate the existing subsurface conditions at GMHS, with each container representing depths of up to 15 feet.





Unaffected Turf Field

Properly compacted soil (yellow)

Properly compacted / installed base (yellow)

Level base surface (blue)

Level turf surface (green)

Granby Turf Field

Uncompacted soil w/ pockets of debris and air (yellow)

Sinking levels of subsurface (blue)

Sinking base level (white)

Uneven, depressed, and sinking turf surface (red)

PROJECT BUDGET

GRANBY MEMORIAL HIGH SCHOOL
TRACK & FIELD IMPROVEMENTS

Existing Conditions Aerial

Conceptual Layout

Date: **October 2, 2025**

Prepared For: Karl Gates - Athletic Director & Student Activities Coordinator

Prepared By: Andrew Dyjak – Regional Vice President, New England
Chris Hulk, PE – Regional Vice President, New England
Jonathan Luster, PE – Regional Construction Manager, New England

Address: Granby Memorial High School| 54 N Granby Rd, Granby, CT 06035

This budget proposal encompasses all facets of the project, with FieldTurf offering a comprehensive, turnkey solution that includes design, project oversight, and construction. The budget is based on current site conditions, review meeting with the school, and the planned construction period in spring/summer 2026.

FieldTurf USA, Inc. is pleased to present the following proposal. FieldTurf pricing is based on the Capital Region Education Council (CREC) program. CREC is a member of The Association of Educational Purchasing Agencies (AEPA) program. The AEPA is a purchasing co-op that provides member schools with pre-determined preferential pricing by approved vendors. Since the product has already been bid at the national level, individual schools do not have to duplicate the formal bid process. AEPA IFB #024-A.

Click on the following AEPA hyperlink for more information: AEPA IFB #24-A.

Below is a detailed cost breakdown for site construction, turf installation and overall implementation of the project.

PROJECT BUDGET

FieldTurf
A Tarkett Sports Company

Project Description:

The existing track and field at Granby Memorial High School is in need of significant remediation efforts from sinks holes that have developed along the track / field. Based on the original geotechnical information provided by the Town, it appears that organic material has decayed below the eastern side of the track / field. The depths of this material are present up to 10' below existing grade. The Town then expanded the geotechnical investigation, to which the report indicated the entirety of the track and field area should be fully removed down to a depth of 5' and the compacted back in lifts. With this understanding, FieldTurf has developed two options for reconstruction.

Option 1:

The first option would be to complete the work as outlined in the geotechnical report. This would include removal of all track surfacing, removal of all synthetic turf, removal of all curbing, removal of all utilities, removal of all foundations, removal of all fencing and all existing subbase materials down to a depth of 5'. It is assumed that a large portion of this material will need to be removed from the site and supplemented with clean fill or gravel. Once the site has been excavated to a depth of 5' and in some indicated areas down to 10', the reconstruction would start to occur. Materials would be installed in lifts and a third party geotechnical engineer would be hired by the Town to oversee and test the work. The existing electrical, audio, storm and any other utilities would be replaced. The concrete turf anchor curb and football goal posts would be reinstalled. All new fencing and paved access paths around the site would be reconstructed. Finally, a new synthetic track and field would be installed on the newly reconstructed site. Several unknowns remain, such as if shoring is required around the existing bleachers, buildings, scoreboard and light poles given the depths of excavation. It is also unclear to what extent the 10' depth of excavation will be required. Field conditions may render the needed area to expand. Lastly, it is unknown is rock and ledge removal will be encountered to the depths that are shown. Rock removal and ledge removal is always an exclusion of any contract due to its unforeseen nature. The warranty for construction on this option would be a 1 year workmanship warranty, 8 year warranty on synthetic turf and 5 year warranty on track materials. With all of these considerations in mind, FieldTurf felt it was in the best interest of the Town to review a second option based on its ability to self-perform post-tension concrete tracks, fields, and courts.

Option 2:

This preferred option of FieldTurf would reconstruct the existing track and field area with post tension concrete. FieldTurf has completed both post tension tracks and post tension fields throughout the New England region and through out the country. This technology allows the majority of materials to stay in place and be spanned by the nature of how post tension concrete operates. Slabs of post tension concrete are designed to span areas of unsuitable soils, provide high strength and long lasting base for whatever the application may be. Many other types of construction use this technique for bridges, parking garage slabs, balconies, overhangs and other types of applications. The last major benefit is that FieldTurf, as part of Tarkett Sports, is able to provide a 25+ year warranty on the structural components of the installation. This means that the Town would be ensured to not be left in this type of situation again. The reconstruction efforts of this type of system would remove the track and field areas. Remove the top 4"-5" of materials, compact the existing subgrade, perform 20 augured holes in areas of known settlement, install flowable fill in those areas and then construct a new post tension concrete track and field. Improved drainage, ball netting and football goal posts would be installed. Fencing would be replaced and walkway areas around the track would be renovated to meet new grades. All surrounding site features including lights, bleachers, buildings, scoreboards can all remain in place without the need for additional shoring or replacement.

Lastly, alternates have been included for site improvements such as LED lighting, press box, ball netting, etc…

Depending on final Option and scope selected, the project is anticipated to be constructed in a ±4-12 month timeframe. It is also anticipated that access and staging areas will be available nearby. This budget is intended to assist the school in preparing for this project. Additional discussions, review and programming will be required to refine the scope and budget prior to construction.

FIELD REMEDIATION OPTIONS:

- **Option 1 – FULL RECONSTRUCTION TO A DEPTH OF 5' OR MORE** **$9,370,000 - $11,080,000**
  - **General Scope: Reconstruction of entire track and field area up to limit of existing pavement beyond the existing fence line**
    - Remove and dispose of existing track surfacing
    - Remove and dispose of existing synthetic turf surfacing
    - Remove and dispose all existing utilities, including storm drainage, electrical, audio and any other encountered utilities
    - Mill and remove all existing pavement and base materials. Salvage processed aggregate base for reuse.
    - Excavate, remove and salvage existing field stone base
    - Remove and dispose of existing turf anchor curb and track drain within limits shown
    - Remove and salvage existing storm drainage piping and supplement as needed
    - Excavate and remove existing soils to a depth of approximately 5' along the entirety of the facility and up 10' in various areas to remove unsuitable soils
    - Provided shoring and safety measures around existing structures, such as light poles, bleachers, sheds, etc…
    - Town provided 3rd party field testing agency for full time inspection of installed materials
    - Furnish and install new subgrade materials, compact in lifts to geotechnical recommendations
    - Furnish and install geogrid support mesh in 2 layers
    - Install drainage piping
    - Furnish and install electrical conduits and electrical system
    - Furnish and install new ACO drain and concrete turf anchor curb
    - Reinstall construct track base with appropriate base materials
    - Pave new track system to a depth of 3.5" of pavement with virgin asphalt
    - Furnish and install new dynamic stone base for field system
    - Furnish and install new track surfacing and striping within limits shown
    - Furnish and install new synthetic turf within limits shown
    - Furnish and install new 4' ht. chain link fencing
    - Furnish and install new paved access around field

- **Synthetic Turf Installation**
  - Remove and recycle existing synthetic turf carpet and infill
  - Furnish and install post tension concrete field base
  - Furnish and install synthetic turf for field
  - Synthetic turf with SBR rubber and sand infill

- Colored end zone
- Alternating turf panels
- Post installation GMAX field testing

➢ **End Zone Letters**
- "GRANBY" end zone lettering

➢ **Midfield Logo**
- Midfield Grizzly Style Logo

➢ **Track Base Reconstruction**
- Remove and dispose of existing rubberized track surface
- Furnish and install post tension concrete track base
    - Match grades to existing perimeter trench drain which is to remain

➢ **Track Surfacing BSS-300**
- Supply and install Beynon BSS-300 polyurethane track surfacing
    - Base color: Beynon red
- Perform track striping

➢ **Colored Exchange Zones**
- (3) colored exchange zones

ADDITIONAL SITE IMPROVEMENTS

➢ **20' Height Ball Safety Netting** **$80,000 - $95,000**
- Supply and install 20-foot-high ball safety netting in D-Zones, including foundations, sleeves, poles, netting, and hardware along the field end lines

➢ **10' Height Ball Safety Netting** **$55,000 - $75,000**
- Supply and install 10-foot-high ball safety netting in corners of field up to 20 yard line, including foundations, sleeves, poles, netting, and hardware along the field end lines

➢ **Press Box** **$175,000 - $225,000**
- Furnish and install new press box behind existing bleachers
- Includes new foundation and support structure
- ADA access lift listed as separate item if needed

➢ **ADA Lift** **$95,000 - $125,000**
- Furnish and install new ADA accessible lift to press box
- Includes foundation and installation

➢ **Retrofit of Existing Athletic Lighting** **$200,000 - $250,000**

- Remove and dispose of existing light fixtures and replace with LED fixtures
- Poles to remain

➢ **New Bleachers with Press Box** **$650,000 - $750,000**
- Furnish and install new double sided bleachers to service both fields (+/- 400 seats)
- Furnish and install press box between fields for use for both fields
- Furnish and install concrete slab for bleachers
- Provide power supply

POTENTIAL TOTAL OF OPTION 1 w/ ALL ALTERANTES	**$ 10,625,000 - $ 12,600,000**

EXCLUSIONS

- *Any costs associated with necessary charges relating to the delineation of the field*
- *The supply of manholes or clean-outs or grates, or supply of the manhole covers*
- *Any alteration or deviation from specifications involving extra costs, which alteration or deviation will be provided only upon executed change orders, and will become an extra charge over and above the offered price*
- *Soil stabilization or remediation of any type beyond 5' depth*
- *Rock excavation and/or ledge removal*
- *Offsite disposal of generated spoils Excavation or disposal of unsuitable or contaminated soils*
- *Site security*
- *Once subgrade has been established, a proof roll will be performed to ensure structural stability of the soils; in the event that unsuitable soils are encountered, a price to remedy these areas can be negotiated based on recommended methods per project Engineer*
- *3rd party testing or Inspection Fees*
- *Site restoration, sodding, landscaping or grow-in beyond disturbed areas*
- *Repair or resurfacing existing asphalt parking lot if damaged by truck traffic*

PROJECT BUDGET

FieldTurf® A Tarkett Sports Company

- **Option 2 (FieldTurf Preferred Option)** **$5,150,000 - $5,500,000**
  - **General Scope: Extensive Exploration and Solidify**
    - GPS located major sink hole areas and record for future exploration use
    - Remove and dispose of existing track surfacing
    - Remove and dispose of existing synthetic turf surfacing
    - Full depth mill of existing track pavement and remove
    - Excavate, remove and salvage existing field stone base and processed aggregate track base as necessary
    - Remove and dispose of existing turf anchor curb around track and field
    - Remove and replace football goal posts
    - Remove and replace damaged sections of drainage piping
    - Remove and dispose of existing electrical conduit and wiring if encountered during exploration
    - Replace and/or reset electrical boxes and drainage structures within field
    - Conduct a series of 10’ deep x 2’ diameter augur holes along eastern side of track / field
    - Remove and dispose of excavated material
    - Install flowable fill in all excavated holes to a depth of approximately 1’ below finished grade
    - Furnish and install geogrid support mesh prior to backfill
    - Furnish and install new subgrade materials to achieve new grades
    - Reinstall drainage piping and electrical conduits as necessary
    - Furnish and install new ACO drain and concrete turf anchor curb as required
    - Furnish and install new post tension concrete track and field
    - Furnish and install new 4’ ht. chain link fencing and gates
    - Furnish and install new access path around field
    - Furnish and install new track surfacing and striping within limits shown
    - Furnish and install new synthetic turf and shock/drainage pad within limits shown
    - Provide 25+ year structural warranty on all post tension concrete

- **Synthetic Turf Installation**
  - Remove and recycle existing synthetic turf carpet and infill
  - Furnish and install post tension concrete field base
  - Furnish and install shock / drainage pad
  - Furnish and install synthetic turf for field
  - Synthetic turf with SBR rubber and sand infill
  - Colored end zone
  - Alternating turf panels
  - Post installation GMAX field testing
  - Annual field maintenance. 1 visit per year for 8 years

- **End Zone Letters**
  - “GRANBY” end zone lettering

- **Midfield Logo**
  - Midfield Grizzly Style Logo

- **Track Base Reconstruction**
  - Remove and dispose of existing rubberized track surface
  - Furnish and install post tension concrete track base
    - Match grades to existing perimeter trench drain which is to remain

- **Track Surfacing BSS-300**
  - Supply and install Beynon BSS-300 polyurethane track surfacing
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  - Furnish and install press box between fields for use for both fields
  - Furnish and install concrete slab for bleachers
  - Provide power supply

POTENTIAL TOTAL OF OPTION 1 w/ ALL ALTERANTES	**$ 6,475,000 - $ 7,100,000**

PROJECT BUDGET

FieldTurf
A Tarkett Sports Company

EXCLUSIONS

- *Any costs associated with necessary charges relating to the delineation of the field*
- *The supply of manholes or clean-outs or grates, or supply of the manhole covers*
- *Any alteration or deviation from specifications involving extra costs, which alteration or deviation will be provided only upon executed change orders, and will become an extra charge over and above the offered price*
- *Soil stabilization or remediation of any type*
- *Mass Excavation as required to achieve subgrade*
- *Rock excavation*
- *Offsite disposal of generated spoils*
- *Excavation or disposal of unsuitable or contaminated soils*
- *Site security*
- *Once subgrade has been established, a proof roll will be performed to ensure structural stability of the soils; in the event that unsuitable soils are encountered, a price to remedy these areas can be negotiated based on recommended methods per project Engineer*
- *Testing or Inspection Fees*
- *Site restoration, sodding, landscaping or grow-in beyond disturbed areas*
- *Repair or resurfacing existing asphalt parking lot if damaged by truck traffic*
- *Bond fees and non-local permits*

Please feel free to reach out to any member of our project team with questions about our offer:

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28 July 2025
File No. 0206711-100

Granby Public Schools
15-B North Granby Road
Granby, CT 06035

Attention: Christopher DeGray, Director of Facilities

Subject: Subsurface Conditions and Geotechnical Data Report
Granby Public Schools – Turf Field and Track
Granby, CT

Ladies and Gentlemen:

This Report provides a summary of the subsurface explorations conducted within the limits of the existing synthetic turf field and track for Granby Public Schools (the School) located at 50 North Granby Road in Granby, Connecticut (subject site). The approximate location of the site is shown on Figure 1.

The purpose of the subsurface investigation program conducted within the limits of the existing turf field and track was to obtain information on subsurface conditions encountered at the site, evaluate site fill thickness, and identify presence of potential void spaces within near surface soils. The work reported herein was undertaken by Haley & Aldrich, Inc. (Haley & Aldrich) in accordance with our proposal dated 30 April 2025 and your subsequent written authorization

Existing Site Conditions

Based on historic aerial photographs, the subject site has been used as an athletic field and track since at least 1992. We understand that the current synthetic turf field and track surface was constructed between 2012 and 2013 and that the proposed site grade changes required for construction in the area of observed track settlement were not significantly greater than the existing site grades. Existing site grades are approximately Elevation (El.) 220 to 225 (NAVD88)[1] in the area of the track and athletic field surface.

Settlement has been observed in various areas on the existing track surface and causes puddling after rain events, creating unsatisfactory performance conditions for athletics.

[1] Elevations in this report are in feet and reference the North American Vertical Datum of 1988 (NAVD88).

Proposed Development

The School intends to replace the existing synthetic field and track surface within the next 5 years to bring them to performance-level standards for Granby Athletics. Athletic lighting structures are also proposed to support athletic events after sunset.

Subsurface Investigation Programs

PREVIOUS HALEY & ALDRICH SUBSURFACE EXPLORATION PROGRAM

Haley & Aldrich previously performed a subsurface investigation program in October 2022 on the site. The purpose was to observe the subsurface conditions specifically underlying the inside lane track in the northeast corner and evaluate the presence of possible void spaces beneath the track surface resulting in observed surficial settlement. On 20 October 2022, Seaboard Drilling, LLC of Chicopee, Massachusetts conducted a total of seven geoprobes designated HA-1 through HA-7. The drilling of geoprobes were observed by Haley & Aldrich.

The designation and approximate locations of the geoprobes are shown on Figure 2 and geoprobe logs are included in Appendix A.

RECENT SUBSURFACE EXPLORATION PROGRAM

The purpose of the recent subsurface investigation program was to collect data beneath the existing turf field and track that may indicate future areas of settlement. Explorations were not performed to support the athletic lighting structures at this time.

The designation and approximate location of subsurface explorations are indicated on Figure 2. The recent subsurface explorations were located in the field by Haley & Aldrich personnel by measuring from existing site features and therefore are considered approximate.

Between 23 and 25 June 2025, G&M Subsurface of North Dighton, Massachusetts conducted a total of twenty-seven (27) geoprobe explorations within the limits of the existing synthetic turf field and track, designated GP-01 through GP-27. GeoSurfaces of Woburn, Massachusetts performed the opening and repair of the synthetic turf surfaces at each of the geoprobe locations on the existing field. The geoprobes were drilled to depths ranging from 10 to 20 (feet) ft below ground surface (bgs) with the use of a track-mounted geoprobe rig and were observed by Haley & Aldrich. Refer to the Geoprobe Logs included in Appendix B for additional information.

Subsurface Conditions

SOIL CONDITIONS

Subsurface soil conditions encountered in the recent subsurface exploration program consisted of the following generalized sequence of subsurface units, listed in descending order of occurrence below ground surface. Refer to Table I – Summary of Subsurface Conditions for a summary of the explorations performed in 2022 and 2025.

Table I: Summary of Subsurface Conditions

Generalized Subsurface Stratum	Depth Top of Stratum (ft)	Stratum Thickness (ft)
Fill	0.3 to 1	0.4 to 15
Glaciofluvial Deposits	0.5 to 13	Not Determined

Note: one or more of the units may be absent at any specific location and may vary in thickness across the subject site. A detailed description of the units encountered is provided below.

Fill - The Fill encountered generally consisted of dark to light brown, red-brown, or gray-brown poorly-graded Sand or silty Sand with varying amounts of silt, gravel, topsoil, wood, and organic soil. At the recent geoprobe locations GP-03, GP-05, GP-13, GP-22, the fill noted buried wood and pockets of dark brown organic soil (topsoil) between 0.5 and 5 ft bgs.

The Fill layer was encountered in each of the geoprobes, except for GP-01, GP-06, and GP-08, and ranged from 0.4 to 15 ft in thickness. A 0.5-ft-thick layer of crushed stone was encountered at ground surface at the locations of geoprobes conducted within the existing synthetic turf field. An approximate 0.1-ft-thick layer of track rubber followed by about 0.4 to 0.5-ft-thick layer of crushed stone was encountered at ground surface at the locations of geoprobes conducted within the limits of the existing track.

The Fill layer was not fully penetrated at geoprobe GP-22 and HA-5 to a depth of 10 ft and at HA-6 to a depth of 15 ft.

Glaciofluvial Deposits - Glaciofluvial Deposits were encountered beneath the Fill at each geoprobe location except for geoprobes GP-01, GP-06, and GP-08 where the Glaciofluvial Deposits were encountered underlying the crushed stone. Glaciofluvial Deposits generally consisted of tan to light brown or red-brown poorly-graded Sand. Glaciofluvial Deposits were not fully penetrated at any of the geoprobe locations.

GROUNDWATER LEVELS

Groundwater was not encountered within the geoprobes at the time of drilling.

Groundwater levels are influenced by precipitation, the presence of below-grade structures and utilities in the area, leakage into or out of utility pipes, the infiltration of surface water runoff, building underdrain systems, localized water recharging, and other factors. Groundwater conditions encountered during subsequent site visits and/or during construction may differ from those reported herein, and as additional groundwater measurements are obtained during subsequent design phases, this report will be updated.

Geotechnical Mitigation Considerations

Since areas of settlement have been observed within the turf field, the School has been performing routine maintenance consisting of a subcontractor removing the turf surface and filling in localized low spots. Additionally, the northeast corner of the track that was previously observed to experience settlement was patched and resurfaced between 2022 and 2023.

Of the recent geoprobe explorations, locations GP-03, GP-05, GP-13, GP-22 encountered buried wood and pockets of dark brown organic soil (topsoil) between 0.5 and 5 ft bgs within the Fill layer. These locations are spread out across the track and field and are not located in one central area, suggesting that other locations or areas between explorations may encounter similar conditions subject to future settlement.

Full-Depth Restoration (recommended)

To mitigate the risk of future settlement, we recommend that a full depth restoration of the field and track surface be performed prior to replacement of the surfaces. Full depth restoration shall include:

Site Preparation

- Strip, remove, and dispose of existing rubber track surface and synthetic turf field and crushed stone subbase.
- Excavate and remove the full depth of Fill up to a 5 ft depth beneath the track and field and 5 ft laterally outside the limits of the track. Within the limits shown on Figure 2, the northeast corner of the track is recommended to be excavated and removed up to 10 ft due to presence of deeper Fill materials that are unsuitable for subbase of the track.
- Segregate/screen/stockpile excavated Fill materials that are suitable for re-use as compacted granular fill beneath the track and field surface. Remove and dispose of unsuitable Fill material (buried topsoil, organic materials, wood, etc).

  Reuse of any excavated soils will be dependent upon visual characterization of the materials and results of grain size analyses and laboratory compaction tests. Accordingly, we recommend to

the extent possible that an on-site location be established for segregating, processing, and stockpiling excavated soils.

Subgrade Preparation

- After the Fill has been excavated, the subgrade shall be compacted to 95% of the material's maximum dry unit weight (determined in accordance with ASTM D1557) using appropriate compactive efforts. As a minimum, the subgrade should receive four complete coverages with suitable compaction equipment. The excavated material may be reused after the wood or degradable materials are removed from the Fill material.
- Place a woven geotextile fabric (Mirafi 600X or similar) on top of the prepared and approved subgrade as well as on the sides of the excavation.
- The excavation shall be backfilled with previously excavated Fill material suitable for re-use or Granular Fill placed in loose lift thicknesses not exceeding 12 inches (in.), and the material shall be compacted to 95% of the material's maximum dry unit weight (determined in accordance with ASTM D1557) using appropriate compactive efforts. As a minimum, each layer of fill should receive four complete coverages with suitable compaction equipment.

Following backfill and compaction to design subgrade elevation, re-construct the track and field. Refer to recommendations in following sections.

Synthetic Turf Field

- Following completion of subgrade preparation to design subgrade elevation for the new turf system, prepare the subgrade using a large compaction roller to prepare a firm, dry and stable subgrade. If during static rolling of the subgrades pumping or weaving conditions are observed, alternative compaction techniques may be required and/or additional subgrade preparation may be recommended (e.g., removal and replacement of soft, compressible soils).
- At all times prior to placement of the turf system, we recommend maintaining a dry and undisturbed design subgrade to ensure a stable working surface to receive the turf system. Temporary re-grading outside the limits of the new field will be required to divert surface runoff away from the work areas. Construction dewatering is not anticipated; however, if it becomes necessary, efforts should be taken by the contractor to discharge dewatering effluent to an on-site recharge system at distances away from the work areas so as not to disturb subgrade preparation.
- For the permanent condition, the maintenance, protection and long-term performance of the synthetic turf field will require an effective stormwater runoff collection and management system. Anticipated subsurface soils at and/or within shallow depths of the anticipated design subgrade level for the new synthetic turf fields are likely to consist of fine-grained sandy silts/silty sands that have poor drainage characteristics – vertically and laterally. Design of any sub-turf drainage systems must consider the effect these impermeable subgrade soils can have on the field's drainage capacity. At a minimum, the sub-turf drainage systems must be designed

such that the system is entirely and at all times above groundwater level. Design of the drainage system for the synthetic turf should be completed by a Civil Engineer. For this report, we recommend the subgrade be pitched to direct drainage towards the sub-turf drainage system that would be comprised of a minimum 10 to 12-in. thick layer of double-washed, 3/4-in. crushed stone with perforated HDPE pipes that are sized by the Civil Engineer and embedded within the crushed stone so as to effectively collect and transport by gravity any accumulated runoff water that filters from the turf layer above to an appropriately sized on-site collection/groundwater recharge tank or, alternatively, direct the discharge into a permitted storm drain. Prior to placing the crushed stone and perforated piping, a woven geotextile fabric (Mirafi 600X or similar) should be placed on top of the prepared and approved subgrade. Additionally, a backflow preventer at the outlet structure should be incorporated into the design of the drainage system.

- 3/4-in Crushed Stone shall consist of inert angular material derived from a stone quarry that is hard, durable, washed stone or crushed gravel, free from clay, loam, or other deleterious material, with a maximum size of 3/4 in, and conforming to the following:

Sieve Size	Percent Passing By Weight
1 in.	100
3/4 in.	90 – 100
1/2 in.	10 – 50
3/8 in.	0 – 20
No. 4	0 – 5

Synthetic Track

- Following preparation to subgrade elevation, provide a minimum 12-in. layer of Granular Fill for the subbase of the asphalt. Asphalt and rubberized track surface thickness should match original design drawings.
- Granular Fill shall be obtained from off-site sources and shall consist of naturally occurring or processed, inert material that is hard, durable natural stone and coarse sand, free from loam, clay, surface coatings, and deleterious materials.

Sieve Size	Percent Passing By Weight
3 in.	100
No. 4	30 – 90
No. 40	10 – 50
No. 200	0 – 8

- If portions of the proposed track extend beyond the existing plan limits of the existing track, we recommend complete removal of the existing topsoil prior to compacting the subgrade and placement and compaction of a minimum 12-in. thick lift of granular fill to design subgrade elevation.

Track and Field Surface Restoration (alternate consideration with routine maintenance)

If project construction costs associated with the recommended over-excavation and backfilling are determined to not be acceptable to the School, the reduced scope of track and field surface restorations could be considered by the School as an alternate consideration that would not require the subgrade preparation in the full-depth restoration recommendation. This option would not mitigate the risk of potential long term field performance issues due to the presence of the remaining unsuitable soils below the over-excavation limits but could allow the track and field to be utilized in the short term and would require periodic maintenance of both the synthetic turf field and track.

For this consideration, the track and field surface restoration would consist of:

- Remove/mill track surface down to asphalt base layer, patch observed cracks and shim depressions in the asphalt, and replace with new synthetic track surface/system.
- Remove synthetic turf surface/carpet, raise grade with additional crushed stone where needed, and replace with new synthetic turf surface. Prior to installing the new synthetic turf, the existing drainage stone should be tested to confirm design infiltration rate of the drainage layer is consistent with the synthetic turf field provider's requirements. Additionally, an inspection of the existing drainage piping (lateral field and perimeter drain lines) should be completed to confirm the drainage system is functioning as originally designed and meets stormwater management requirements for the new turf field system.
- Surface track and synthetic turf surface restoration should be conducted by a specialty contractor familiar with the construction and repair of synthetic turf and track systems.

Limitations

This letter was prepared in accordance with our proposal dated 30 April 2025 and your subsequent written authorization. This letter has been prepared for the specific application to the Granby Public Schools synthetic turf field and track.

The nature and extent of variations in the subsurface conditions between explorations may not become evident until construction, and the project design may change from our current understanding. Any additional information pertaining to the project that becomes available should be provided to Haley & Aldrich, so that our conclusions and recommendations can be reviewed and modified, as necessary.

We appreciate the opportunity to provide engineering services on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Megan H. Carlson, PE (NY)
Project Manager

R. Scott Goldkamp, PE (MA/NH)
Principal

Attachments:

Figure 1 – Site Locus
Figure 2 – Site and Subsurface Exploration Location Plan
Appendix A – Previous Geoprobe Logs
Appendix B – Recent Geoprobe Logs

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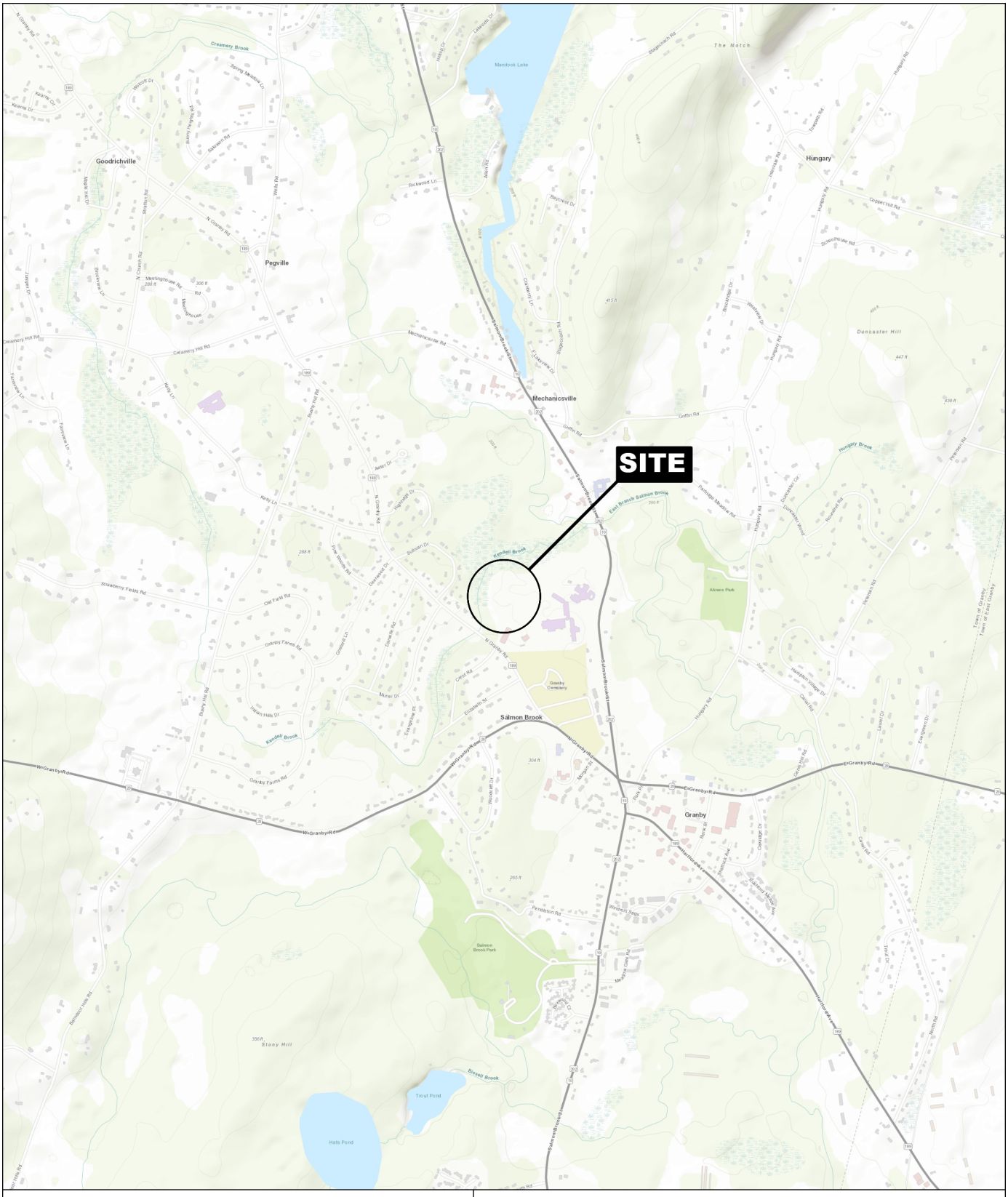
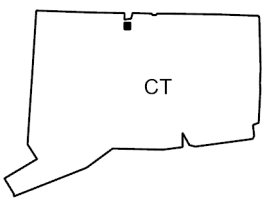


SITE COORDINATES: 41°57'39"N, 72°47'43"W



MAP SOURCE: USGS

HALEY ALDRICH

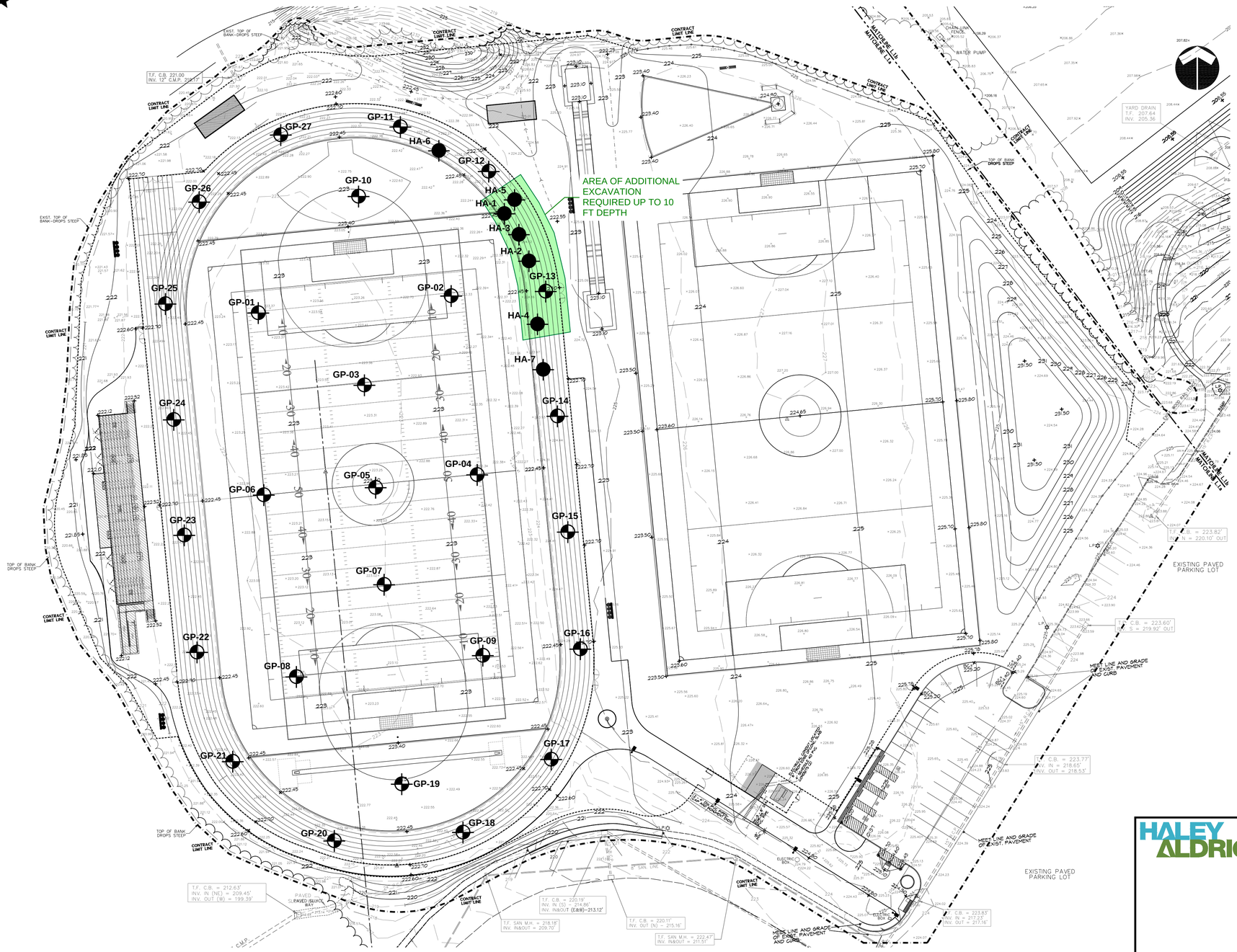
GRANBY PUBLIC SCHOOLS - TURF FIELD AND TRACK
50 NORTH GRANBY ROAD
GRANBY, CT

PROJECT LOCUS

APPROXIMATE SCALE: 1 INCH = 2,000 FEET
JULY 2025

FIGURE 1

0206711_100_LOCUS HALEYALDRICHIACORTINA



LEGEND

GP-01 — DESIGNATION AND APPROXIMATE LOCATION OF GEOPROBE PERFORMED BY G&M SUBSURFACE FROM 23 TO 25 JUNE 2025 AND OBERSVED BY HALEY & ALDRICH, INC.

HA-1 — DESIGNATION AND APPROXIMATE LOCATION OF GEOPROBE PERFORMED BY SEABOARD DRILLING ON 20 OCTOBER 2022 AND OBSERVED BY HALEY & ALDRICH, INC.

NOTES

1. BASE PLAN OBTAINED FROM DRAWING NO. L.2.A TITLED "SITE GRADING PLAN" PREPARED BY CR3 LLP AND DATED 16 JANUARY 2013.
2. ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

HALEY ALDRICH

GRANBY PUBLIC SCHOOLS - TURF FIELD AND TRACK
GRANBY, CONNECTICUT

SITE AND SUBSURFACE EXPLORATION LOCATION PLAN

SCALE: 1" = 40'
JULY 2025

FIGURE 2

APPENDIX A
Previous Geoprobe Logs

IDENTIFICATION AND DESCRIPTION OF SUBSURFACE MATERIALS

SOIL

Soil description on logs of subsurface explorations are based on Standard Penetration Test results, visual-manual examination of exposed soil and soil samples, and the results of laboratory tests on selected samples. The criteria, descriptive terms and definitions are as follows:

DENSITY OR CONSISTENCY

Density of Cohesionless Soils	Penetration Resistance (Blows per ft.)	Consistency of Cohesive Soils	Penetration Resistance (Blows per ft.)
Very Loose	0-4	Very Soft	0-2
Loose	5-10	Soft	3-4
Medium	11-30	Medium	5-8
Dense	31-50	Stiff	9-15
Very Dense	over 50	Very Stiff	16-30
		Hard	over 30

PENETRATION RESISTANCE

Standard Penetration Test (ASTM D-1586) - Number of blows required to drive a standard 2 in. O.D. split spoon sampler 1 ft. with a 140 lb. weight falling freely through 30 in.

COLOR: Basic colors and combinations: black, brown, gray, yellow-brown, etc.

SUPPLEMENTAL SOIL TERMINOLOGY:

Laminae	- 0 to 1/16 in. thick (cohesive)
Parting	- 0 to 1/16 in. thick (granular)
Seam	- 1/16 to 1/2 in. thick
Layer	- 1/2 to 12 in. thick
Stratum	- > 12 in. thick
Pocket	- Small, erratic deposit less than 12 in. size
Lens	- Lenticular deposit larger than a pocket
Occasional	- One or less per 12 in. of thickness
Frequent	- More than one per 12 in. of thickness
Interbedded	- Alternating soil layers of differing composition
Varved	- Alternating thin seams of silt and clay
Mottled	- Variation of color

GEOLOGIC INTERPRETATION

Deposit type - GLACIAL TILL, ALLUVIUM, FILL.....

The natural soils are identified by criteria of Unified Soil Classification System (USCS), with appropriate group symbol in parenthesis for each soil description. Fill materials may not be classified by USCS criteria.

U.S. Standard Series Seive — Clear Square Sieve Openings

12"	3"	3/4"	4	10	40	200
Boulders	Cobbles	Gravel: Coarse / Fine		Sand: Coarse / Medium / Fine		Silts and Clays
305 mm	76 mm	19 mm	4.75 mm	2.00 mm	0.43 mm	0.074 mm

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			Group Symbol	Graphic Symbol	TYPICAL NAMES
Coarse grained soils: more than half is larger than number 200 sieve	Gravels: More than half of coarse fraction is larger than number 4 sieve	Gravels with little or no fines	GW		Well graded gravels, gravel-sand mixtures
			GP		Poorly graded gravels, gravel-sand mixtures
		Gravels with over 12% fines	GM		Silty gravels, poorly graded gravel-sand-silt mixtures
			GC		Clayey gravels, poorly graded gravel-sand-clay mixtures
	Sands: More than half of coarse fraction is smaller than number 4 sieve	Sands with little or no fines	SW		Well graded sands, gravelly sands
			SP		Poorly graded sands, gravelly sands
		Sands with over 12% fines	SM		Silty sands, poorly graded sand-silt mixtures
			SC		Clayey sands, poorly graded sand-clay mixtures
Fined-grained soils: more than half smaller than number 200 sieve	Silts and Clays: Liquid limit 50% or less		ML		Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
			CL		Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL		Organic clays and organic silty clays of low plasticity
	Silts and Clays: Liquid limit greater than 50%		MH		Inorganic silty, micaceous or diatomaceous fine sandy or silty soils, elastic silts
			CH		Inorganic clays of high plasticity, fat clays
			OH		Organic clays of medium to high plasticity, organic silts
Highly organic soils			PT		Peat and other highly organic soils

GENERAL NOTES

1. Logs of subsurface explorations depict soil, rock and groundwater conditions only at the locations specified on the dates indicated. Subsurface conditions may vary at other locations and at other times.
2. Water levels noted on the logs were measured at the times and under the conditions indicated. During test borings, these water levels could have been affected by the introduction of water into the borehole, extraction of tools on other procedures and thus may not reflect actual groundwater level at the test boring location. Groundwater level fluctuations may also occur as a result of variations in precipitation, temperature, season, tides, adjacent construction activities and pumping of water supply wells and construction dewatering systems.

ROCK

Rock descriptions noted on logs of subsurface explorations are based on visual-manual examination of exposed rock outcrops and core samples. The criteria, descriptive terms and definitions used are as follows:

FIELD HARDNESS: A measure of resistance to scratching.

Very Hard	Cannot be scratched with a knife point or sharp pick.
Hard	Can be scratched with a knife point or sharp pick, only with difficulty.
Moderately Hard	Can be readily scratched with a knife point or pick.
Medium Hard	Can be grooved or gouged 1/16 in. deep with firm pressure on a knife point or sharp pick.
Soft	Can be grooved or gouged easily with a knife point or pick.
Very Soft	Can be carved with a knife and excavated with a pick point.

WEATHERING: The action of organic and inorganic and chemical and physical processes resulting in alteration of color, texture and composition.

Fresh-FR	No visible sign of alteration, except perhaps slight discoloration on major discontinuity surfaces.
Slight-SL	Discoloration of rock material and discontinuity surfaces. All rock may be discolored and/or somewhat weaker than in its fresh condition.
Moderate-MOD	Less than half the rock material is decomposed and/or disintegrated to a soil. Some fresh or discolored rock is present as either a continuous framework or as corestones.
High-HIGH	More than half the rock material is decomposed and/or disintegrated to a soil. Fresh or discolored rock is present as either a discontinuous framework or as corestones.
Complete-COMP	All rock material is decomposed and/or disintegrated to soil. The original mass structure is largely intact.
Residual Soil	All rock material is converted to soil. The mass structure and material fabric are destroyed. There has been a large change of volume, but the material has not been significantly transported.

COLOR: Basic colors and combinations: gray, light gray, brown, red-brown.

TEXTURE: Size, shape and arrangements of constituents.

Term	Size: Igneous	Size: Sedimentary
Coarse-grained	> 5 mm	> 2 mm
Medium-grained	1 - 5 mm	0.625 - 2 mm
Fine-grained	< 1 mm	< 0.625 mm
Aphanitic	Individual grains invisible to the unaided eye.	

LITHOLOGY: Rock classification and modifiers; accepted formation names.

DISCONTINUITIES:

Type	Definition
Joint	A natural fracture along which no displacement has occurred. May occur in parallel groups called sets.
Shear	A natural fracture along which displacement has occurred. Surface may be slickensided or striated.
Fault	A natural fracture along which displacement has occurred. Usually lined with gouge and slickensides.
Shear or Fault Zone	Zone of fractured rock and gouge bordering the displacement plane.

ORIENTATION/ATTITUDE:

Term	Angle (degrees)
Horizontal	0-5
Low Angle	6-35
Moderately Dipping	36-55
High Angle	56-85
Vertical	86-100

SPACING:

Discontinuity Term	Bedding Term	Inches
Extremely Close	Extremely Thin	< 3/4
Very Close	Very Thin	3/4 - 2.5
Close	Thin	2.5 - 8
Moderate	Medium	8 - 24
Wide	Thick	24 - 80
Very Wide	Very Thick	80 - 240
Extremely Wide	Extremely Thick	> 240

PERSISTENCE/CONTINUITY:

Term	Feet
Very Low	0-3
Low	3-10
Medium	10-35
High	35-65
Very High	> 65

APERTURE/GAP:

Term	Distance
Very Tight	< 0.1mm
Tight	0.1mm-0.25mm
Partly Open	0.25mm-0.5mm
Open	0.5mm-2.5mm
Moderately Wide	2.5mm-1cm
Wide	> 1cm
Very Wide	1cm-10cm
Extremely Wide	10cm-1m
Cavernous	> 1m

POROSITY:

Type

Primary:
Pre-depositional and depositional inter- and intra- granular, particle, or crystalline pores.

Secondary:
Solution features including pits, vugs, caverns, molds, and channels.
Fracture features including joints, shears, faults, shrinkage and breccia fabrics.

Term	Size
Micro	< 0.0625 mm
Meso	0.0625-4.0 mm
Mega	4.0-256 mm

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SUBSURFACE EXPLORATION KEY

J:\GRAPHICS\TEMP\MCELENEY-TF\FIELD SERVICES\SUBSURFACE EXPLORATION LOG KEYS\SUBSURFACE EXPLORATION KEY2008-1027.DWG

HALEY ALDRICH

GEOPROBE REPORT

Boring No. HA-1

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

File No.	0206711-000
Sheet No.	1 of 1
Start	October 20, 2022
Finish	October 20, 2022
Driller	M. Kern
H&A Rep.	J. Shaw
Elevation	222.0 (est.)
Datum	NAVD88
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 42	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW SP	-ASPHALT- Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry	5	10 15	10 10	20 15	55 60					
						- FILL - Light red-brown to tan poorly-graded SAND (SP), no structure, no odor, moist, trace organics										
5		G2 36	5.0 10.0		SM	Light brown to tan SAND (SM), no structure, no odor, wet, wood fragments, trace organics		10	10	20	45	15				
					SM	Gray to gray-brown silty SAND (SM), no structure, no odor, moist, trace wood fragments, trace organics		10	15	20	30	25				
10		G3 36	10.0 15.0	211.0 11.0	SP	Light brown to tan poorly-graded SAND with gravel (SP), no structure, no odor, wet	5	10	10	20	55					
						- GLACIOFLUVIAL DEPOSITS -										
15				207.0 15.0		BOTTOM OF EXPLORATION 15.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 15.0 Rock Cored (ft) 0.0 Samples G3 **Boring No. HA-1**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE REPORT

Boring No. HA-2

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

File No. 0206711-000
Sheet No. 1 of 1
Start October 20, 2022
Finish October 20, 2022
Driller M. Kern
H&A Rep. J. Shaw
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 42	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW	-ASPHALT-	5	10	10	20	55					
					SP	Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry Light brown to tan poorly-graded SAND with gravel (SP), no structure, no odor, dry		15	10	15	60					
5		G2 24	5.0 10.0		CL SP	Gray-brown sandy lean CLAY (CL), no structure, no odor, moist, trace organics, trace wood, appears disturbed Red-brown to light brown poorly-graded SAND (SP), no structure, no odor, dry Note: Upon advancing geoprobe sleeve, observed little to no resistance between 5.4 to 5.8 ft. - FILL -		10	15	10 20	20 55	70				
					SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		10	15	20	55					
10		G3 42	10.0 15.0	212.0 10.0	SP	Light brown to tan poorly-graded SAND (SP), no structure, no odor, moist -GLACIOFLUVIAL DEPOSITS-		10	15	30	45					
15				207.0 15.0		BOTTOM OF EXPLORATION 15.0 FT										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 15.0 Rock Cored (ft) 0.0 Samples G3 **Boring No. HA-2**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. HA-3

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

File No.	0206711-000
Sheet No.	1 of 1
Start	October 20, 2022
Finish	October 20, 2022
Driller	M. Kern
H&A Rep.	J. Shaw
Elevation	222.0 (est.)
Datum	NAVD88
Location	See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW	-ASPHALT-	5	10	10	20	55					
					SP	Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry Light brown to tan poorly-graded SAND (SP), no structure, no odor, dry		10	15	20	55					
					SP	Light brown to brown poorly-graded SAND (SP), no structure, no odor, dry		10	15	20	55					
5		G2 36	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		10	15	20	55					
						-FILL-										
				212.5 9.5	SM	Light brown silty SAND (SM), no structure, no odor, dry				20	40	40				
10		G3 36	10.0 15.0	212.0 10.0	SP	Light brown to tan poorly-graded SAND (SP), no structure, no odor, moist			15	30	55					
						- GLACIOFLUVIAL DEPOSITS -										
15				207.0 15.0		BOTTOM OF EXPLORATION 15.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	15.0
Rock Cored (ft)	0.0
Samples	G3

Boring No. HA-3

Field Tests:

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. HA-4

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

File No.	0206711-000
Sheet No.	1 of 1
Start	October 20, 2022
Finish	October 20, 2022
Driller	M. Kern
H&A Rep.	J. Shaw
Elevation	222.0 (est.)
Datum	NAVD88
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 30	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW	-ASPHALT-	5	10	10	20	55					
					SP	Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry Light brown poorly-graded SAND (SP), no structure, no odor, dry		10	15	20	55					
5		G2 12	5.0 10.0		SP	Light brown to red-brown poorly-graded SAND (SP), no structure, no odor, dry Note: Upon advancing geoprobe sleeve, observed little to no resistance between 5.4 to 5.8 ft. - FILL -		10	15	20	55					
10		G3 42	10.0 15.0		SP	Light red-brown poorly graded SAND (SP), no structure, no odor, dry, pockets of dark brown organics, occasional brick specks, appears disturbed			10	20	70					
				209.0 13.0	SP	Light brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	5	10	15	20	50					
					SM	Light brown silty SAND (SM), no structure, no odor, dry				20	40	40				
15				207.0 15.0		- GLACIOFLUVIAL DEPOSITS - BOTTOM OF EXPLORATION 15.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	15.0
Rock Cored (ft)	0.0
Samples	G3

Boring No. HA-4

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE REPORT

Boring No. HA-5

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

File No.	0206711-000
Sheet No.	1 of 1
Start	October 20, 2022
Finish	October 20, 2022
Driller	M. Kern
H&A Rep.	J. Shaw
Elevation	222.0 (est.)
Datum	NAVD88
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW	-ASPHALT-	5	10	10	20	55					
					SP	Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry Light brown poorly-graded SAND with gravel (SP), no structure, no odor, moist Note: Upon advancing geoprobe sleeve, observed little to no resistance between 2.4 to 2.6 ft.	5	10	15	20	50					
5		G2 24	5.0 10.0			-FILL-										
					SP	Light brown to red-brown poorly-graded SAND (SP), no structure, no odor, moist		10	15	20	55					
10				212.0 10.0	SM	Brown poorly-graded SAND (SM), no structure, no odor, moist, bottom 2 in. wood, dark lenses of organics, possible former Topsoil/Loess horizon, disturbed			10	10	50	30				
						BOTTOM OF EXPLORATION 10.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	15.0
Rock Cored (ft)	0.0
Samples	G2

Boring No. HA-5

Field Tests:
Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. HA-6

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

File No.	0206711-000
Sheet No.	1 of 1
Start	October 20, 2022
Finish	October 20, 2022
Driller	M. Kern
H&A Rep.	J. Shaw
Elevation	222.0 (est.)
Datum	NAVD88
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 42	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW	-ASPHALT-	5	10	10	20	55					
					SP	Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry Light brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	5	10	15	20	50					
5		G2 36	5.0 10.0													
					SM	Light brown to tan silty SAND (SM), no structure, no odor, moist, occasional dark brown organic lenses		10	15	20	25	30				
10		G3 30	10.0 15.0		SP	Brown to tan poorly-graded SAND (SP), no structure, no odor, moist, bottom 5 in. wood		10	15	20	50	5				
						- FILL-										
15				207.0 15.0	SP	Light brown to tan poorly-graded SAND (SP), no structure, no odor, moist, trace organic lenses, trace brick particles, block of wood (3 in. length) in middle of sample		10	15	20	55					
						BOTTOM OF EXPLORATION 15.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	10.0
Rock Cored (ft)	0.0
Samples	G3

Boring No. HA-6

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE REPORT

Boring No. HA-7

Project	GRANBY HIGH SCHOOL TRACK, 54 N GRANBY RD, GRANBY CT
Client	R.A.D. SPORTS
Contractor	Sea Board Drilling

File No.	0206711-000
Sheet No.	1 of 1
Start	October 20, 2022
Finish	October 20, 2022
Driller	M. Kern
H&A Rep.	J. Shaw
Elevation	222.0 (est.)
Datum	NAVD88
Location	See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: Geoprobe 6620
Inside Diameter (in.)		1.5		Bit Type: Geoprobe Spoon
Hammer Weight (lb)		Auto	-	Drill Mud: None
Hammer Fall (in.)			-	Casing: Push
				Hoist/Hammer: - Automatic Hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME & SYMBOL, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 42	0.0 5.0	221.9 0.1		-TRACK RUBBER-										
				221.4 0.6	SW	-ASPHALT-	5	10	10	20	55					
				221.0 1.0	SP	Gray to gray-brown well-graded SAND with gravel (SW), no structure, no odor, dry		10	15	20	55					
						- FILL -										
						Light brown to brown poorly-graded SAND (SP), no structure, no odor, dry, trace brick										
						- FILL -										
5		G2 36	5.0 10.0													
				215.0 7.0	SP	Tan to light red-brown poorly-graded SAND with gravel (SP), no structure, no odor, dry	5	10		20	65					
						- GLACIOFLUVIAL DEPOSITS -										
10		G3 42	10.0 15.0													
					SP	Light red-brown poorly-graded SAND (SP), no structure, no odor, dry					100					
15				207.0 15.0		BOTTOM OF EXPLORATION 15.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	15.0
Rock Cored (ft)	0.0
Samples	G3

Boring No. HA-7

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

APPENDIX B
Recent Geoprobe Logs

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-01

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 44	0.0 5.0	222.5 0.5		-CRUSHED STONE-										
					SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry - GLACIOFLUVIAL DEPOSITS -		5	20	50	20	5				
5		G-2 30	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	30	55	5				
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-01

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-02

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 222.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 38	0.0 5.0	222.0 0.5		-CRUSHED STONE-										
					SM	Dark brown silty SAND (SM), no structure, no odor, dry		10	10	30	30	20				
				221.0 1.5		- FILL -										
					SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry - GLACIOFLUVIAL DEPOSITS -		5	20	50	20	5				
5		G-2 33	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	40	45	5				
10				212.5 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (ft) 10.0
- Rock Cored (ft) 0.0
- Samples G2

Boring No. GP-02

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-03

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 40	0.0 5.0	222.5 0.5		-CRUSHED STONE-										
					SP-SM	Tan to light brown poorly-graded SAND with silt (SP-SM), no structure, no odor, dry		5	20	45	20	10				
						-FILL-										
5		G-2 60	5.0 10.0	218.0 5.0	ML	Light brown sandy SILT (ML), no structure, no odor, dry, occasional dark soil lense, appears to be fill or former topsoil/loess soil horizon				10	30	60				
				215.5 7.5		-GLACIOFLUVIAL DEPOSITS-										
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-03

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-04

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 38	0.0 5.0	221.5 0.5		-CRUSHED STONE-										
					SM	Dark brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -	5	10	10	25	30	20				
				219.0 3.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry - GLACIOFLUVIAL DEPOSITS -		5	20	50	20	5				
5		G-2 40	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	20	50	20	5				
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (ft) 10.0
- Rock Cored (ft) 0.0
- Samples G2

Boring No. GP-04

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-05

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 39	0.0 5.0	222.5 0.5		-CRUSHED STONE-										
					SM	Dark brown silty SAND with gravel (SM), no structure, no odor, dry, trace organic wood material	5	10	10	25	30	20				
				221.5 1.5	SP	- FILL -		5	20	50	20	5				
						Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry										
						- GLACIOFLUVIAL DEPOSITS -										
5		G2 40	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry	5	5	20	45	20	5				
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-05

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-06

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 39	0.0 5.0	222.5 0.5		-CRUSHED STONE-										
					SP-SM	Light brown poorly-graded SAND with silt (SP-SM), no structure, no odor, dry		5	20	45	20	10				
						- GLACIOFLUVIAL DEPOSITS -										
5		G-2 35	5.0 10.0		SP	Light brown poorly-graded SAND (SP), no structure, no odor, dry		5	20	40	35					
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-06

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-07

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 34	0.0 5.0	222.5 0.5		-CRUSHED STONE-										
				222.0 1.0	SM	Dark brown silty SAND with gravel (SM), no structure, no odor, dry	5	10	10	25	30	20				
					SP	- FILL -		5	5	55	30	5				
						Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry										
						- GLACIOFLUVIAL DEPOSITS -										
5		G-2 60	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	45	45					
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-07

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-08

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 36	0.0 5.0	222.5 0.5		-CRUSHED STONE-										
					SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
						- GLACIOFLUVIAL DEPOSITS -										
5		G-2 30	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry			5	45	50					
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-08

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-09

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 23 June 2025
Finish 23 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 222.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 41	0.0 5.0	222.0 0.5	SM	Dark brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -	5	10	10	25	30	20				
				220.0 2.5	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry - GLACIOFLUVIAL DEPOSITS -		5	5	55	30	5				
5		G-2 33	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
10				212.5 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-09

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-10

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 41	0.0 5.0	222.9 0.1		- TRACK RUBBER AND ASPHALT -										
				222.5 0.5	SM	-CRUSHED STONE-	15	10	15	20	25	15				
				222.0 1.0	SP	Gray to gray-brown silty SAND with gravel (SM), no structure, no odor, dry - FILL -		5	5	55	30	5				
						Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry										
						- GLACIOFLUVIAL DEPOSITS -										
5		G-2 55	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-10

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-11

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 40	0.0 5.0	221.9 0.1		- TRACK RUBBER AND ASPHALT -										
				221.5 0.5	SP-SM	-CRUSHED STONE-	10	15	15	20	30	10				
				221.0 1.0	SP	Gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	5	10	5	45	30	5				
						- FILL -										
						Red to red-brown poorly-graded SAND (SP), no structure, no odor, dry										
						- GLACIOFLUVIAL DEPOSITS -										
5		G-2 50	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-11

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE REPORT

Boring No. GP-12

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 45	0.0 5.0	221.9 0.1		- TRACK RUBBER AND ASPHALT -										
				221.5 0.5	SP-SM	-CRUSHED STONE-	15	20	15	25	15	10				
				220.0 2.0		Gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry										
					SP	- FILL -										
						Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
						- GLACIOFLUVIAL DEPOSITS -										
5		G-2 41	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	45	40	5				
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-12

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-13

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 46	0.0 5.0	222.5 0.5		- TRACK RUBBER AND ASPHALT -										
				222.0 1.0		-CRUSHED STONE-										
					SP-SM	Gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry	15	20	15	25	15	10				
					SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
						-FILL-										
5		G-2 38	5.0 10.0	218.0 5.0	SM	Tan to light-brown silty SAND (SM), no structure, no odor, dry, frequent pockets of dark brown organic soil		5	5	50	20	20				
						-FILL-										
					SM	Brown silty SAND (SM), no structure, no odor, moist				20	40	40				
10		G-3 42	10.0 15.0	213.0 10.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, moist		5	5	40	30	20				
						-GLACIOFLUVIAL DEPOSITS-										
				210.0 13.0	SM	Brown silty SAND (SM), no structure, no odor, moist				20	40	40				
				209.0 14.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, moist	5	5	40	30	20					
15				208.0 15.0		BOTTOM OF EXPLORATION 15.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 15.0
Rock Cored (ft) 0.0
Samples G3

Boring No. GP-13

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-14

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 224.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 43	0.0 5.0	223.9 0.1		- TRACK RUBBER AND ASPHALT -										
				223.5 0.5	SP	-CRUSHED STONE-	15	20	15	25	15	10				
						Brown to red-brown poorly-graded SAND with gravel (SP), no structure, no odor, dry - FILL -										
				220.0 4.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
5		G-2 40	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, moist - GLACIOFLUVIAL DEPOSITS -		5	5	50	35	5				
				216.0 8.0	SM	Brown silty SAND (SM), no structure, no odor, moist				20	40	40				
				215.5 8.5	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, moist		5	5	50	35	5				
10				214.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data						Sample ID	Well Diagram	Summary
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overburden (ft) 10.0 Rock Cored (ft) 0.0 Samples G2 **Boring No. GP-14**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-15

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 224.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 44	0.0 5.0	223.9 0.1		- TRACK RUBBER AND ASPHALT -										
				223.5 0.5	SP-SM	-CRUSHED STONE-	15	20	15	25	15	10				
						Gray-brown to red-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry										
						- FILL -										
				220.0 4.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
5		G-2 39	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry			5	10	80	5				
						- GLACIOFLUVIAL DEPOSITS -										
10				214.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-15

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-16

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 43	0.0 5.0	223.4 0.1		- TRACK RUBBER AND ASPHALT -										
				223.0 0.5	SP-SM	-CRUSHED STONE-	15	20	15	25	15	10				
						Gray-brown to red-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry										
						- FILL -										
				219.5 4.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
5		G-2 42	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry			5	50	40	5				
						- GLACIOFLUVIAL DEPOSITS -										
10		G-3 45	10.0 15.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry			5	25	65	5				
15				208.5 15.0		BOTTOM OF EXPLORATION 15.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 15.0
Rock Cored (ft) 0.0
Samples G3

Boring No. GP-16

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-17

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 40	0.0 5.0	223.4 0.1		- TRACK RUBBER AND ASPHALT -										
				223.0 0.5	SP-SM	-CRUSHED STONE-	15	20	15	25	15	10				
						Gray-brown to red-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry										
						- FILL -										
				219.5 4.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
5		G-2 35	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry			5	50	40	5				
						- GLACIOFLUVIAL DEPOSITS -										
10				213.5 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-17

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-18

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 40	0.0 5.0	221.9 0.1		- TRACK RUBBER AND ASPHALT -										
				221.5 0.5	SP-SM	-CRUSHED STONE-	15	20	15	25	15	10				
						Gray-brown to red-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry - FILL -										
				218.0 4.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
5		G-2 42	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry - GLACIOFLUVIAL DEPOSITS -			5	30	60	5				
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-18

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-19

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 24 June 2025
Finish 24 June 2025
Driller B. Wilson
H&A Rep. C. Cravinho
Elevation 223.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1 46	0.0 5.0	222.9 0.1		- TRACK RUBBER AND ASPHALT -										
				222.5 0.5	SP-SM	-CRUSHED STONE-	15	20	15	25	15	10				
						Gray-brown to red-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor, dry - FILL -										
				219.0 4.0	SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry		5	5	55	30	5				
5		G-2 40	5.0 10.0		SP	Tan to light brown poorly-graded SAND (SP), no structure, no odor, dry - GLACIOFLUVIAL DEPOSITS -			5	50	40	5				
10				213.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-19

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-20

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1	0.0 5.0	221.7 0.3	SP-SM SP	-TRACK RUBBER AND ASPHALT-	10	20	20	20	20	10				
						Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	10	15	25	20	30					
						Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry										
						- FILL -										
5	PUSH	G2	5.0 10.0													
10	PUSH	G3	10.0 15.0	210.0 12.0	SM	Dark brown silty SAND with gravel (SM), no structure, no odor, dry, occasional irregular dark brown sandy SILT pocket (fill)				25	60	15				
				209.0 13.0	SP	Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry, trace clayey sand	0	0	10	40	50					
						- GLACIOFLUVIAL DEPOSITS -										
15	PUSH	G4	15.0 20.0	205.0 17.0	SM	Tan silty SAND (SM), no structure, no odor, moist					70	30				
20				202.0 20.0		BOTTOM OF EXPLORATION 20.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 20.0
Rock Cored (ft) 0.0
Samples G4

Boring No. GP-20

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-21

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				221.6		-TRACK RUBBER AND ASPHALT-										
	PUSH	G1	0.0 5.0	0.4 221.2 0.8	SP-SM	Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	10	20	20	20	20	10				
					SP	- FILL -	5		20	25	50					
						Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry										
						- GLACIOFLUVIAL DEPOSITS -										
5	PUSH	G2	5.0 10.0													
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-21

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-22

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				221.6		-TRACK RUBBER AND ASPHALT-										
	PUSH	G1	0.0 5.0	0.4	SP-SM SP	Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry - FILL -	10	20	20 25	20 20	20 55	10				
5				217.0												
	PUSH	G2	5.0 10.0	5.0	ML	Dark brown sandy SILT (ML) with dark brown organic soil pockets, occasional wood pieces (from tree?) -FILL-		5		5	30	60				
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-22

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-23

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1	0.0 5.0	221.7 0.3	GW-GC	-TRACK RUBBER AND ASPHALT-										
				221.0 1.0		Dark gray and gray-brown poorly-graded SAND with silt and gravel (GW-GC), no structure, no odor	10	20	20	20	20	10				
					SP	- FILL -										
						Red-brown to tan poorly-graded SAND with gravel (SP), bedded, no odor, dry	5	10	25	20	40					
						- GLACIOFLUVIAL DEPOSITS -										
5	PUSH	G2	5.0 10.0													
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (ft) 10.0
- Rock Cored (ft) 0.0
- Samples G2

Boring No. GP-23

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE REPORT

Boring No. GP-24

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel
Type	-	G	-
Inside Diameter (in.)	-	1.5	-
Hammer Weight (lb)	-	AUTO	-
Hammer Fall (in.)	-	-	-

Drilling Equipment and Procedures:
Rig Make & Model: Geoprobe 7822DT
Bit Type: Geoprobe Spoon
Drill Mud: None
Casing: Push
Hoist/Hammer: Winch Automatic hammer
PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	P U S H	G1	0.0 5.0	222.1 0.4		-TRACK RUBBER AND ASPHALT-										
				221.5 1.0	SP-SM	Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	10	20	20	20	20	10				
					SP	- FILL - Red-brown to tan poorly-graded SAND with gravel (SP), bedded, no odor, dry	5	10	20	25	40					
5	P U S H	G2	5.0 10.0			- GLACIOFLUVIAL DEPOSITS -										
10	P U S H	G3	10.0 15.0													
15				207.5 15.0	SP	Red to red-brown poorly-graded SAND with gravel (SP), no structure, no odor, dry					100					

BOTTOM OF EXPLORATION 15.0 FT

Note: Exploration backfilled upon completion.

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 15.0
Rock Cored (ft) 0.0
Samples G3

Boring No. GP-24

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-25

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				222.2												
	PUSH	G1	0.0 5.0	0.3	SP-SM	-TRACK RUBBER AND ASPHALT- Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	10	20	20	20	20	10				
				221.5 1.0	SP	- FILL - Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry, trace clayey sand, graded bedding coarse to fine sand	0	0	10	40	50					
5	PUSH	G2	5.0 10.0			- GLACIOFLUVIAL DEPOSITS -										
10	PUSH	G3	10.0 15.0													
15				207.5 15.0		BOTTOM OF EXPLORATION 15.0 FT Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 15.0
Rock Cored (ft) 0.0
Samples G3

Boring No. GP-25

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-26

Project	GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client	GRANBY PUBLIC SCHOOLS
Contractor	G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.5 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1	0.0 5.0	221.5 1.0	SP-SM	Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	10	20	20	20	20	10				
					SP	- FILL -	0	0	10	40	50					
						Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry, trace clayey sand, graded beds, coarse grain on top of fine grain										
						- GLACIOFLUVIAL DEPOSITS -										
5	PUSH	G2	5.0 10.0													
10				212.5 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (ft) 10.0
- Rock Cored (ft) 0.0
- Samples G2

Boring No. GP-26

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GP-27

Project GRANBY PUBLIC SCHOOLS- TURF FIELD AND TRACK, GRANBY, CT
Client GRANBY PUBLIC SCHOOLS
Contractor G&M SUBSURFACE

File No. 0206711-001
Sheet No. 1 of 1
Start 25 June 2025
Finish 25 June 2025
Driller B. Wilson
H&A Rep. E. Robinson
Elevation 222.0 (est.)
Datum NAVD88
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe 7822DT
Inside Diameter (in.)	-	1.5	-	Bit Type: Geoprobe Spoon
Hammer Weight (lb)	-	AUTO	-	Drill Mud: None
Hammer Fall (in.)	-	-	-	Casing: Push
				Hoist/Hammer: Winch Automatic hammer
				PID Make & Model: Not used

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size†, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PUSH	G1	0.0 5.0	221.0 1.0	SP-SM	Dark gray to gray-brown poorly-graded SAND with silt and gravel (SP-SM), no structure, no odor	10	20	20	20	20	10				
					SP	- FILL -	5	10	20	25	40					
						Red-brown to tan poorly-graded SAND with gravel (SP), bedded, no odor, dry										
						- GLACIOFLUVIAL DEPOSITS -										
5	PUSH	G2	5.0 10.0													
					SP	Red-brown to tan poorly-graded SAND (SP), bedded, no odor, dry, trace clayey sand	0	0	10	40	50					
10				212.0 10.0		BOTTOM OF EXPLORATION 10.0 FT										
						Note: Exploration backfilled upon completion.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 10.0
Rock Cored (ft) 0.0
Samples G2

Boring No. GP-27

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

† **Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.