



January 4, 2018

Bidder:

The City of Traverse City will receive sealed bids in the Engineering Department, Second floor, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan, 49684, until **Thursday, January 25, 2018 at 1:45 p.m.** for the following:

Playground Equipment & Play Surfacing Supply and Installation
(specifications attached)

If the specifications are obtained from the City's website at www.traversecitymi.gov (services) it is the sole responsibility of the Bidder to check the website for updates and addendums prior to the bid being submitted. You may also register on the website to receive notifications when requests for proposals or bids, updates and addendums are posted.

The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City.

The City accepts no responsibility for any expense incurred by the Bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the Bidder.

Only the successful Bidder will be notified. If you so desire, you may call for results.

You must indicate on the outside of the sealed envelope that the bid is for the **“Clancy Park-Playground.”**

You must submit the bid to the Engineering Department's Office prior to the above-indicated time and date or the bid will not be accepted. Telefaxed or E-Mail bids will not be accepted.

Please note that if you have previously submitted an informal quote, you will still need to submit a sealed bid prior to the date and time specified above in order to be considered. Please ensure that all requirements listed in the specifications are met.

If you have any questions, please contact Derek Melville, Parks Superintendent, at (231) 922-4900 before the bid is submitted.

PLEASE SUBMIT BID TO: Tim Lodge, City Engineer
Engineering Department, Governmental Center
Second Floor, 400 Boardman Avenue
Traverse City, MI 49684

SPECIFICATIONS

SPECIFICATIONS:

Site playground equipment products, select from the following:

- Gametime, 1-800-235-2440, www.gametime.com
- Or approved equivalent.

Site playground surfacing, select from the following:

- SpectraPour, 1-800-875-5788, www.spectraturf.com
- DuraPlay Safety Surface, 512-847-2473, duraplay.com
- Or approved equivalent.

PRODUCTS: (Gametime, 1-800-235-2440, www.gametime.com)

1. SWINGSET -

- a. One (1) Classic Swing 8' high with seats #P5544
- b. One (1) Classic Swing 8' add-a-bay #P5548.
- c. One (1) Tot Seat Package #P8696
- d. One (1) Zero-G Chair

2. PLAY EQUIPMENT

- a. One (1) Gametime – Astro Jump PIP (Poured In Place) #3146pp

3. POURED SURFACING

- a. 2352 SFT Poured in place playground protective surfacing

MINIMUM REQUIREMENTS: The above detailed specification shall be construed as minimum. Should manufacturer's current published data or specifications exceed these, such standards shall be considered minimum and furnished. All integral parts not specifically mentioned in the scope of these specifications which are necessary to provide a complete working unit shall be furnished.

SILENCE OF SPECIFICATIONS: The apparent silence of this specification and any supplemental specification as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only material of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of this specification shall be made upon the basis of this statement.

COMPLIANCE: Bidder must complete and return the enclosed bid forms, including the bid sheet. If the item is equivalent to the requested specifications, then please indicate that fact. If your equipment does not comply with the requested specifications, then indicate all exception(s), or other pertinent information, on a separate sheet of paper.

THE CITY OF TRAVERSE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS, WAIVE IRREGULARITIES, AND TO ACCEPT THE BIDS EITHER ON AN

ENTIRE OR INDIVIDUAL BASIS THAT ARE IN THE BEST INTEREST OF THE CITY OF TRAVERSE CITY.

If you have ANY questions, or are unclear about what we may be requesting, please contact Derek Melville at 231-922-4900 Please ask questions or request clarifications before the bid is submitted.

Bidder - Please complete and return

BID SUMMARY

TITLE: Clancy Park- Playground

DUE DATE: Thursday, January 25, 2018 at 1:45 p.m.

Having carefully examined the attached specifications and any other applicable information, the undersigned proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees to meet or exceed all requirements and specifications unless otherwise indicated in writing and attached hereto.

Bidder certifies that as of the date of this bid the Company or he/she is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

Bidder understands and agrees, if selected as the successful Bidder, to accept a purchase/service order and to provide proof of the required insurance.

The Bidder shall comply with all applicable federal, state, local and building codes, laws, rules and regulations and obtain any required permits for this work.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

- (a) conviction of a criminal offense incident to the application for or performance of a contract;
- (b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;
- (c) conviction under state or federal antitrust statutes;
- (d) attempting to influence a public employee to breach ethical conduct standards; or
- (e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

- i. The Natural Resources and Environmental Protection Act.
 - ii. A persistent and knowing violation of the Michigan Consumer Protection Act.
 - iii. Willful or persistent violations of the Michigan Occupational Health and Safety Act.
 - iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.
 - v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.
- (f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

Bidder understands that the City reserves the right to accept any or all bids in whole or part and to waive irregularities in any bid in the best interest of the City. The bid will be evaluated and awarded on the basis of the best value to the City. The criteria used by the City may include, but will not be limited to: ability, qualifications, timeframe, experience, price, type and amount of equipment, accessories, options, insurance, permits, licenses, other pertinent factors and overall capability to meet the needs of the City. The City is sales tax exempt – Government.

Bidder agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

DELIVERY

Units shall be delivered to the City of Traverse City in first class operating condition. Acceptance shall be subject to the inspection and approval of the city.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of vehicle/equipment. Price quoted shall include all delivery costs to the City of Traverse City, Clancy Park, West Orchard Drive, Traverse City, MI 49686

Submitted by:

Signature

Name and Title (Print)

Phone

Fax

Company Name

Company Address

City,

State,

Zip

Sole proprietorship/partnership/corporation

If corporation, state of corporation

REFERENCES: (include name of organization, address, contact person, daytime phone number, and length of time services have been performed).

1. _____

2. _____

3. _____

BID SHEET

(Bidder may bid on any or all Playground Equipment and Surfacing)

(City may opt to install Playground Equipment or Surfacing)

SWINGSET & SWINGS

Make and model of units bid: _____

COMPLY EXCEPTION

Total cost of each unit: \$ _____

Total cost including delivery: \$ _____

Installation \$ _____

Warranty offered: _____

Expected delivery date: _____

PLAY EQUIPMENT

Make and model of units bid: _____

COMPLY EXCEPTION

Total cost of each unit: \$ _____

Total cost including delivery: \$ _____

Installation \$ _____

Warranty offered: _____

Expected delivery date: _____

POURED SURFACING

Make and model of units bid: _____

COMPLY EXCEPTION

Total cost of each unit: \$ _____

Total cost including delivery: \$ _____

Installation \$ _____

Warranty offered: _____

Expected delivery date: _____

By: _____ Date: _____

Title: _____

Company: _____

Address: _____

Phone: _____

Signature: _____

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAYGROUND PROTECTIVE SURFACING**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this Section.

1.2 SUMMARY

- A. Section includes materials and installation specifications for playground protective surfacing, to be supplied and installed by others and is for reference only to aid in coordination.

1.3 DEFINITIONS

- A. Critical Height: Standard measure of shock attenuation. According to CPSC No. 325, this means "the fall height below which a life-threatening head injury would not be expected to occur."
- B. SBR: Styrene-butadiene rubber.

1.4 PERFORMANCE REQUIREMENTS

- A. Impact Attenuation: According to ASTM F 1292.
- B. Accessibility of Surface Systems: According to ASTM F 1951.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples for Verification: For each type of playground surface system indicated.
 - 1. Minimum 6-by-6-inch (150-by-150-mm) Sample of synthetic rubber seamless surface.

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAYGROUND PROTECTIVE SURFACING**

- C. Product Schedule: For playground surface systems. Use same designations indicated on Drawings.
- D. Qualification Data: For qualified Installer.
- E. Product Certificates: For each type of unitary synthetic playground surface system, from manufacturer.
- F. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each unitary synthetic playground surface system.
- G. Field quality-control reports.
- H. Warranty: Sample of special warranty.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.
- B. Source Limitations: Obtain playground surface system materials from single source from single manufacturer.
- C. Standards and Guidelines: Comply with CPSC No. 325, "Handbook for Public Playground Safety"; ASTM F 1292; and ASTM F 1487.

1.7 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit playground surface system installation to be performed according to manufacturers' written instructions and warranty requirements.

1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of playground surface system that fails in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Reduction in impact attenuation.
 - b. Deterioration of surface and other materials beyond normal weathering.
 - 2. Warranty Period: 20 years on galvanized structural parts such as poles, cross beams, floor frames and top brackets, and 10 years on hollow plastic parts, solid plastic panels, painted or resin-coated panels and engineered timber, and 2 years on movable plastic and metal parts. All warranties are from date of Substantial Completion.

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAYGROUND PROTECTIVE SURFACING**

PART 2 - PRODUCTS

2.1 AGGREGATE BASE:

- A. MDOT 21AA or as recommended by the manufacturer and as directed by the engineer.

2.2 UNITARY SYNTHETIC DUAL-DENSITY SEAMLESS SURFACE

- A. Surface System: Poured-in-place, two-layer system with wearing course over cushion course. Provide manufacturer's standard thickness for each layer as required for overall thickness indicated, tested for impact attenuation according to ASTM F 1292 and for accessibility according to ASTM F 1951.

1. Products: Subject to compliance with requirements, provide one of the following or approved equivalent:
 - a. SpectraTurf, Inc.; SpectraPour: precise blend of Spectra EPDM mixed with 100% SpectraPour H3168 Aliphatic Polyurethane Resin. Polyurethane contained any TDI shall not be allowed due to environmental regulations. Contact: Dan Downey, Miracle of Indiana and Michigan, 1-616-842-6483.
 - b. DuraPlay Inc.: DuraPlay Safety surface: Basemat made of 100% recycled styrene butadiene rubber (SBR) mixed with polyurethane. Top surface made of ethylene propylene diene monomer (EPDM) mixed with polyurethane. Contact: Darren Toomey, DuraPlay, Duraplay.com, 512-847-2473,
2. Cushion Course: rubber particles of heterogeneous distribution bonded by polyurethane binder applied to 100% of the rubber and installed to a designated thickness as required by the Consumer Product Safety's Commission's Guidelines and ASTM F1292-09 Test Criteria.
3. Wearing Course: mixture of EPDM granules bonded by a polyurethane binder applied to 100% of the granules and applied to a minimum thickness of ½" over the cushion layer.
4. Binder: Weather-resistant, UV-stabilized, flexible, nonhardening, 100 percent solids polyurethane complying with requirements of authorities having jurisdiction for nontoxic and low VOC content. Shall contain no TDI Monomers.
5. Critical Height: 9 feet (2.7 m).
6. Overall Thickness: Not less than 4.25".
7. Primer/Adhesive: Manufacturer's standard primer and weather-resistant, moisture-cured polyurethane adhesive suitable for unit, substrate, and location indicated.
8. Finish Texture: Pebble Grain
9. Wearing Course Color(s):
 - a. SpectraPour:
 - 1) 55% Green
 - 2) 15% Brown
 - 3) 15% Black
 - 4) 15% Earth Yellow

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAYGROUND PROTECTIVE SURFACING**

- b. DuraPlay:
 - 1) 55% Green
 - 2) 15% Brown
 - 3) 15% Black
 - 4) 15% Gold

- B. Leveling and Patching Material: Portland cement-based grout or epoxy- or polyurethane-based formulation suitable for exterior use and approved by playground surface system manufacturer.

2.3 GEOSYNTHETICS

- A. Drainage/Separation Geotextile: Nonwoven, needle-punched geotextile, manufactured for subsurface drainage applications and made from polyolefins or polyesters. Complying with the following minimum properties determined according to ASTM D 4759 and referenced standard test methods:
 - 1. Weight: 4 oz./sq. yd. (136 g/sq. m) according to ASTM D 5261.
 - 2. Water Flow Rate: 100 gpm/sq. ft. (68 L/s per sq. m) according to ASTM D 4491.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for maximum moisture content, subgrade and substrate conditions, drainage, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Prepare substrates to receive surfacing products according to playground surface system manufacturer's written instructions. Verify that substrates are sound and without high spots, ridges, holes, and depressions.

3.3 INSTALLATION, GENERAL

- A. General: Comply with playground surface system manufacturer's written installation instructions. Install playground surface system over area and in thickness indicated.
- B. Install playground surface system after perimeter walks or curbs have been constructed.
- C. Protect newly installed perimeter walks or curbs during playground surface installation.

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAYGROUND PROTECTIVE SURFACING**

3.4 AGGREGATE BASE INSTALLATION

- A. Install and compact to 90% rating in 2" lifts after the area has been water sprayed.

3.5 GEOSYNTHETIC INSTALLATION

- A. General: Install geosynthetics according to playground surface system manufacturer's and geosynthetic manufacturer's written instructions.
 - 1. Geotextiles: Completely cover area indicated, overlapping sides and edges a minimum of 8 inches (200 mm) with manufacturer's standard treatment for overlapping loosely laid seams.
 - a. Perimeter: Adhere edges on all sides to top of perimeter curb or footing.

3.6 INSTALLATION OF SEAMLESS PLAYGROUND SURFACE SYSTEMS

- A. Seamless Surface: Mix and apply components of playground surface system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface and impact-attenuating system of total thickness indicated.
 - 1. Substrate Primer: Apply over prepared substrate at manufacturer's standard spreading rate for type of substrate.
 - 2. Poured Cushion Course: Spread evenly over primed substrate to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation, with a minimum of cold joints.
 - 3. Intercoat Primer: Over cured cushion course, apply primer at manufacturer's standard spreading rate.
 - 4. Wearing Course: Spread over primed base course to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation and, except where color changes, with no cold joints. Finish surface to produce manufacturer's standard wearing-surface texture.
 - 5. Edge Treatment: Flush. Fully adhere edges to substrate with full coverage of substrate. Maintain fully cushioned thickness required to comply with safety performance requirements.

3.7 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- B. Testing Services: Testing and inspecting of completed applications of playground surface system shall take place according to ASTM F 1292.
- C. Remove and replace applications of playground surface system where test results indicate that it does not comply with requirements.
- D. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with requirements.

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAYGROUND PROTECTIVE SURFACING**

3.8 PROTECTION

- A. Seamless Systems: Prevent traffic over system for not less than 48 hours after installation.

PART 4 - MEASUREMENT AND PAYMENT

- 3.1 The completed work as measured will be paid for at the contract unit price for this pay item and includes all materials, equipment and labor to complete this pay item.
- 3.2 Coordination with the owner and general contractor is necessary for proper installation.

PAY ITEM

PAY UNIT

PLAYGROUND PROTECTIVE SURFACING

SFT

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAY FIELD EQUIPMENT AND STRUCTURES**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes playground equipment, to be supplied and installed by others and is for reference only to aid in coordination.
- B. Related Sections:
 - 1. "City of Traverse City Special Provision for Playground Protective Surfacing" for protective surfacing under and around playground equipment.

1.3 DEFINITIONS

- A. Fall Height: According to ASTM F 1487, "the vertical distance between a designated play surface and the protective surfacing beneath it."
- B. Use Zone: According to ASTM F 1487, the "area beneath and immediately adjacent to a play structure or equipment that is designated for unrestricted circulation around the equipment and on whose surface it is predicted that a user would land when falling from or exiting the equipment."

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Qualification Data: For qualified Installer.
- C. Product Certificates: For each type of playground equipment, from manufacturer.
- D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each type of playground equipment.
- E. Field quality-control reports.
- F. Warranty: Sample of special warranty.

**CITY OF TRAVERSE CITY
SPECIAL PROVISION
PLAY FIELD EQUIPMENT AND STRUCTURES**

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A firm whose playground equipment components have been certified by IPEMA's third-party product certification service.
1. Provide playground equipment and play structure components bearing the IPEMA Certification Seal.
- B. Installer Qualifications: An employer of workers approved by manufacturer.

1.6 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of playground equipment that fail in materials or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PLAYGROUND EQUIPMENT

- A. Playground equipment shall be supplied and installed by others.
- B. Manufacturer: Gametime, (800) 235-2440 or approved equivalent.
1. CLIMBING STRUCTURE
 - GT Astro Jump
 2. SWINGSET
 - One (1) Classic Swing 8' high with seats #P5544
 - One (1) Classic Swing 8' add-a-bay #P5548.
 - One (1) Tot Seat Package #P8696
 - One (1) Zero-G Chair

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, site surface and subgrade drainage, and other conditions affecting performance of the Work.

**CITY OF TRAVERSE CITY
TECHNICAL SPECIFICATIONS
PLAY FIELD EQUIPMENT AND SPECIFICATIONS**

1. Do not begin installation before final grading required for placing protective surfacing is completed unless otherwise permitted by Engineer.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Verify locations of playground perimeter and pathways. Verify that playground layout and equipment locations comply with requirements for each type and component of equipment.

3.3 INSTALLATION, GENERAL

A. General: Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Anchor playground equipment securely, positioned at locations and elevations indicated.

1. Maximum Equipment Height: Coordinate installed heights of equipment and components with finished elevations of protective surfacing. Set equipment so fall heights and elevation requirements for age group use and accessibility are within required limits. Verify that playground equipment elevations comply with requirements for each type and component of equipment.

B. Post and Footing Excavation: Excavate holes for posts and footings as indicated in firm, undisturbed or compacted subgrade soil.

C. Post Set on Subgrade: Level bearing surfaces with drainage fill to required elevation.

D. Post Set with Concrete Footing: Comply with ACI 301 for measuring, batching, mixing, transporting, forming, and placing concrete.

1. Set equipment posts in concrete footing. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at the correct angle, alignment, height, and spacing.

a. Place concrete around posts and vibrate or tamp for consolidation. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

b. Concrete footing depth to be 42" minimum and 3" clear of post all sides unless otherwise noted.

2. Embedded Items: Use setting drawings and manufacturer's written instructions to ensure correct installation of anchorages for equipment.

3. Concrete Footings: Smooth top, and shape to shed water.

**CITY OF TRAVERSE CITY
TECHNICAL SPECIFICATIONS
PLAY FIELD EQUIPMENT AND SPECIFICATIONS**

3.4 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- B. Perform tests and inspections.
 - 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
- C. Tests and Inspections: For playground and playground equipment and components during installation and at final completion and to certify compliance with ASTM F 1487 and CPSC No. 325.
- D. Prepare test and inspection reports.
- E. Notify Engineer 48 hours in advance of date and time of final inspection.

CONSTRUCTION PLANS FOR THE CITY OF TRAVERSE CITY 2018 CLANCY PARK IMPROVEMENT PROJECT

THE FOLLOWING ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MDOT STANDARD PLANS REFERENCED BELOW:

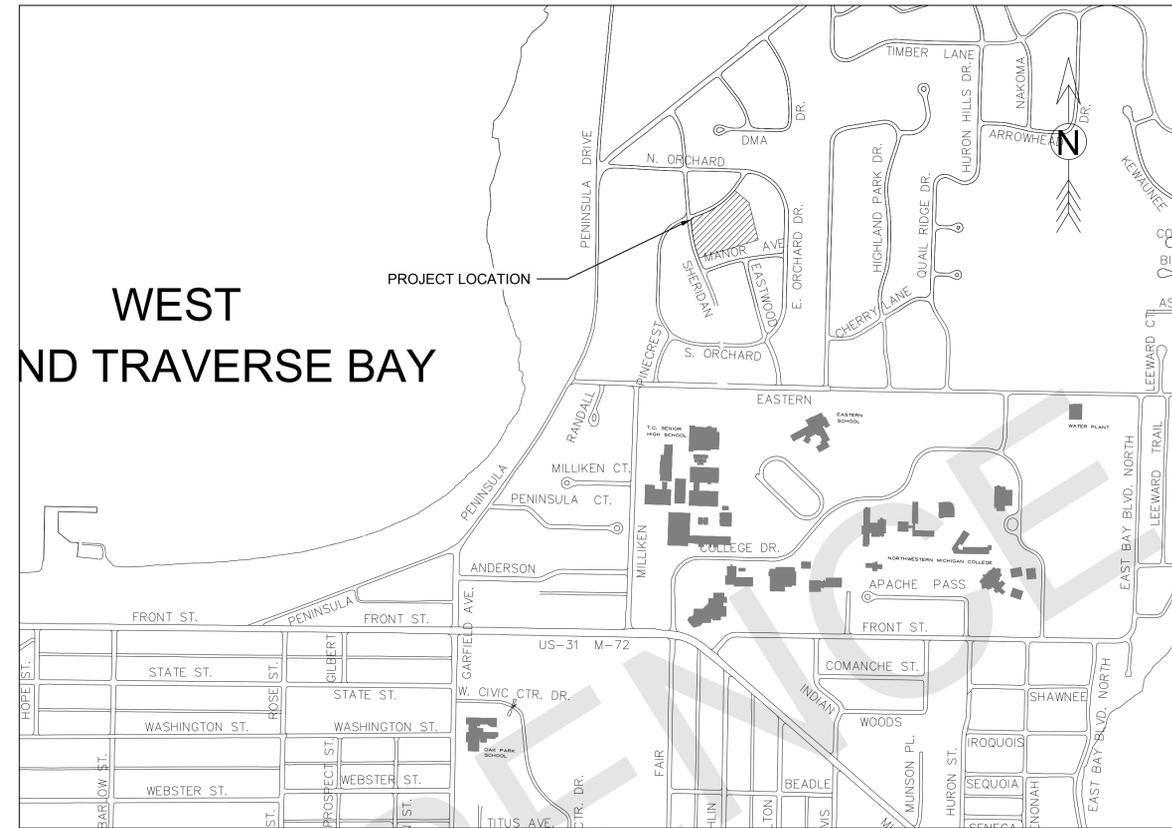
MDOT STANDARD PLANS - NOT PRINTED

- R-28-J SIDEWALK RAMP DETAILS*
- R-29-I DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALKS*
- R-96-E SOIL EROSION & SEDIMENTATION CONTROL MEASURES*

TRAFFIC & SAFETY STANDARD PLANS - NOT PRINTED

- M0020A*
- M0140A*
- M0110A*
- WZD-100-A TEMPORARY GROUND DRIVEN SIGNS*
- WZD-125-E TEMPORARY TRAFFIC CONTROL DEVICES*

* SPECIAL DETAIL INCLUDED IN PROPOSAL



LOCATION PLAN
NO SCALE

GRAND TRAVERSE COUNTY
CITY OF TRAVERSE CITY
R11W, T27N

PLAN INDEX	
SHEET	DESCRIPTION
1	COVER SHEET
2	DETAIL SHEET
3	SITE PLAN

LOCAL UTILITIES

CITY OF TRAVERSE CITY ENGINEERING DEPARTMENT
ADDRESS: 400 BOARDMAN AVENUE, TRAVERSE CITY
CONTACT: TIMOTHY J. LODGE
TELEPHONE: (231) 922-4460

TRAVERSE CITY LIGHT AND POWER
ADDRESS: 1131 HASTINGS STREET, TRAVERSE CITY
ENGINEER: TONY CHARTRAND
TELEPHONE: (231) 922-4940 EXT. 258

TRAVERSE CITY SOIL EROSION & SEDIMENTATION CONTROL
ADDRESS: 400 BOARDMAN AVENUE, TRAVERSE CITY
CONTACT: JOHN MCWETHY
TELEPHONE: (231) 922-4467

CONSUMERS ENERGY COMPANY (C.P.)
ADDRESS: 821 HASTINGS ST., TRAVERSE CITY
AREA ENGINEER: CURTIS HANSEN
TELEPHONE: 1-800-477-5050

AT&T
ADDRESS: 142 E. STATE STREET, TRAVERSE CITY
AREA ENGINEER: KATHY DOHM-BEISER
TELEPHONE: (231) 941-2707

DTE ENERGY
ADDRESS: 609 BJORNSON RD., BIG RAPIDS, MI 49307
AREA ENGINEER: LARRY BOURKE
TELEPHONE: (231) 349-2364
EMERGENCY LEAK RESPONSE: 1-800-947-5000

TRAVERSE CITY SEWER AND WATER MAINTENANCE DEPARTMENT
ADDRESS: 507 HANNAH AVE., TRAVERSE CITY
CONTACT: JUSTIN ROY
TELEPHONE: (231) 922-4923

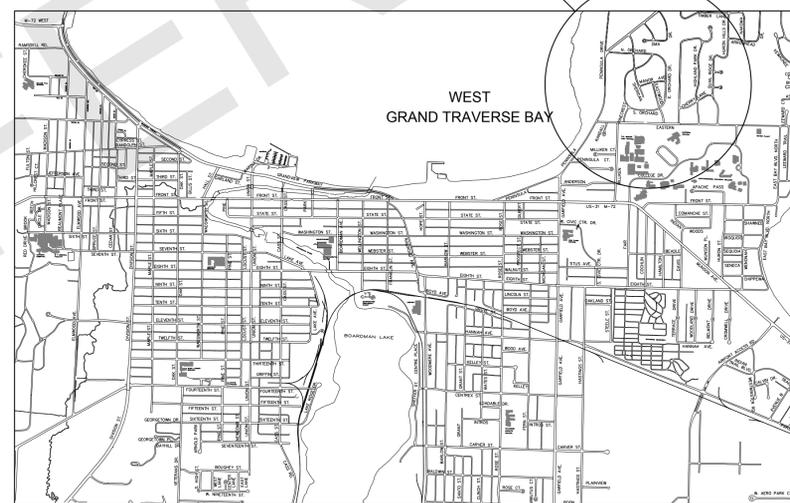
MICHIGAN DEPARTMENT OF TRANSPORTATION (M.D.O.T.)
TRAVERSE CITY TSC
ADDRESS: 2084 US-31 SOUTH, TRAVERSE CITY
ENGINEER: DAVE PAX
TELEPHONE: (231) 941-1986

CHARTER COMMUNICATION
ADDRESS: 1392 TRADE CENTRE DR., TRAVERSE CITY
ENGINEER: KEVIN MORRISON
TELEPHONE: (231) 932-8140

POLICE AGENCIES
EMERGENCY CALLS: 911
CITY OF TRAVERSE CITY: (231) 995-5150
MICHIGAN STATE POLICE: (231) 946-4646
GRAND TRAVERSE COUNTY SHERIFF: (231) 922-4500

FIRE DEPARTMENTS
EMERGENCY CALLS: 911
CITY OF TRAVERSE CITY: (231) 922-4930

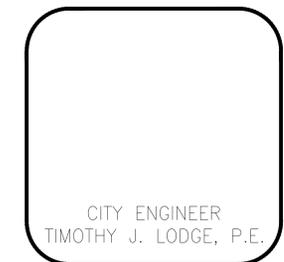
AMBULANCE
EMERGENCY CALLS: 911



**Michigan
Natural
Resources
Trust Fund**



City of Traverse City



The City of Traverse City
Engineering Department
GOVERNMENTAL CENTER
400 Boardman Avenue
Traverse City, Michigan 49684

**CITY OF TRAVERSE CITY
2018 CLANCY PARK IMPROVEMENT PROJECT
COVER SHEET**

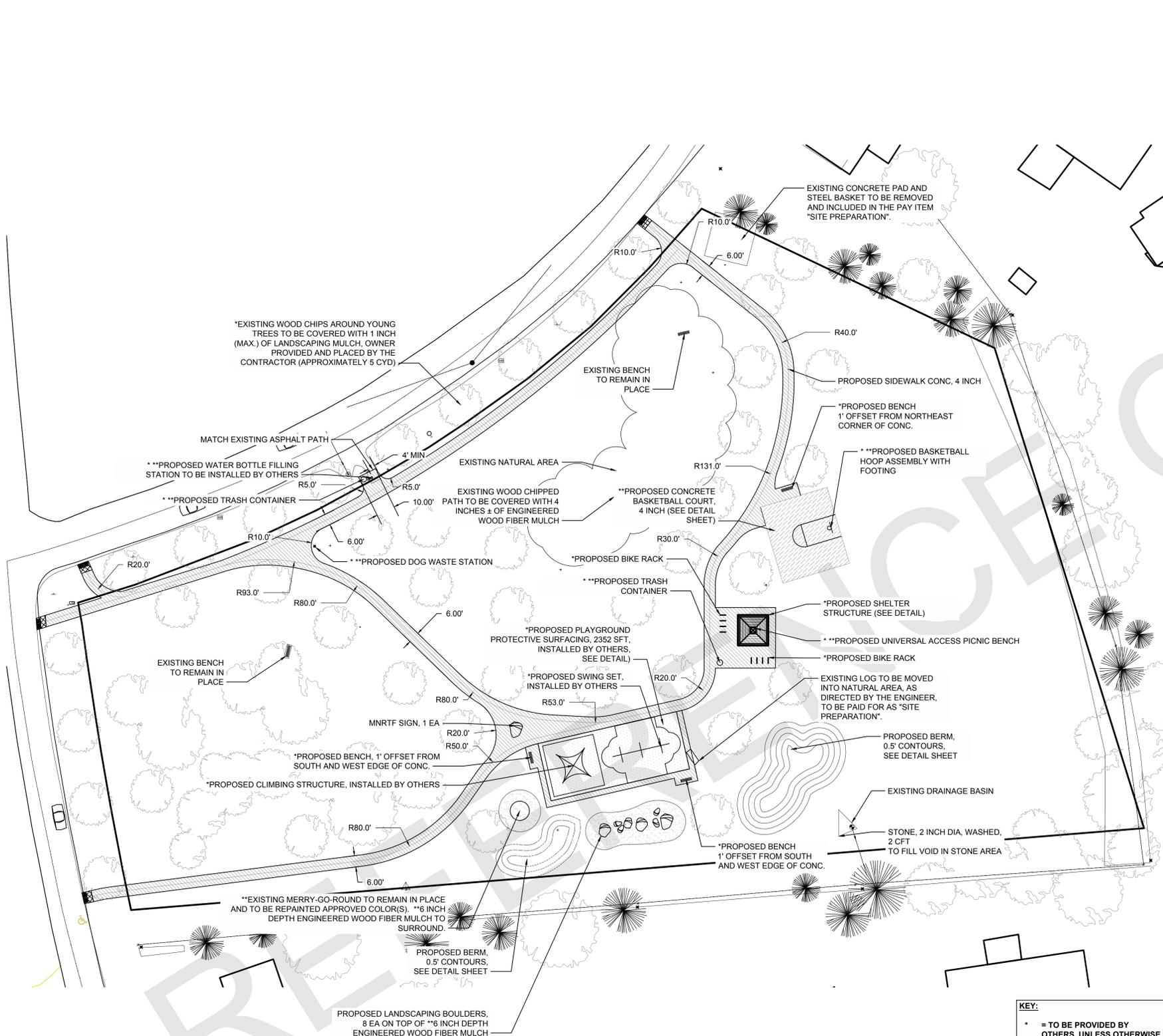
Revision/Issue	Date
NRTF SET	8-17-17
REVISION 1	9-27-17

Date:	7-26-2017
Project No.:	2017-06
Drawn by:	JLC
Scale:	N.T.S.
Sheet No.:	1 OF 3

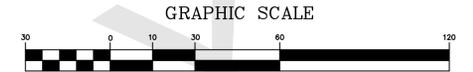


The City of Traverse City
Engineering Department
GOVERNMENTAL CENTER
400 Boardman Avenue
Traverse City, Michigan 49684

**CITY OF TRAVERSE CITY
2018 CLANCY PARK IMPROVEMENT PROJECT
SITE PLAN**



BENCHMARK DATA
BENCHMARK #1
SET SPIKE IN PP
ELEVATION = 599.61 (NAVD88)



LEGEND		HATCH LEGEND	
✕	FOUND PROPERTY CORNER	○	PEDESTRIAN SCALE LIGHTING
△	BENCHMARK	—	TREE LINE
○	SIGN	—	SHRUB LINE
□	GAS BOX	—	OVERHEAD ELECTRIC
○	UTILITY POLE	—	UNDERGROUND ELECTRIC
—	GUY WIRE	—	OVERHEAD TELEPHONE
—	WATER VALVE	—	UNDERGROUND TELEPHONE
—	PED LIGHT POLE	—	OVERHEAD CABLE TV
—	ELECTRIC RISER	—	UNDERGROUND CABLE TV
—	TELEPHONE RISER/BOX	—	SANITARY SEWER
—	FIRE HYDRANT	—	STORM SEWER
—	CATCHBASIN	—	WATERMAIN
—	BEEHIVE GRATE CATCHBASIN	—	GUARDRAIL
—	STORM MANHOLE	—	FENCE
—	SANITARY MANHOLE	—	TOP/BOTTOM OF SLOPE
—	PARKING METER	—	RIGHT OF WAY
—	PROPOSED TREE	—	PROPERTY LINE
		—	DOCK LINE

NOTES:

- SITE PREPARATION INCLUDES, BUT IS NOT LIMITED TO, THE REMOVAL AND DISPOSAL OF CONCRETE BASKETBALL COURT AND STEEL BASKET AND CONCRETE PAD FOR EXISTING DRINKING FOUNTAIN; MOVING THE EXISTING LOG IN THE PLAY AREA TO THE NATURAL AREA (PER DIRECTION BY THE ENGINEER); AND CLEARING OF VEGETATION FOR PROPOSED CONCRETE SIDEWALKS AND ENGINEERED MULCH PATHS IN NATURAL AREA.
- THE CONTRACTOR SHALL CREATE THE PROPOSED BERMS USING EXCESS MATERIAL REMOVED FOR SIDEWALK, PLAY SURFACE, AND FOOTING PLACEMENT. ADDITIONAL MATERIAL MAY BE REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED BERM. 4 INCHES OF TOPSOIL (MIN), SEED, FERTILIZER, AND MULCH TO COVER BERMS TO BE INCLUDED IN THE PAY ITEM "BERM".
- OWNER TO PROVIDE SIGN TO BE MOUNTED TO LANDSCAPING BOULDER. CONTRACTOR TO WORK WITH OWNER TO ENSURE THAT AN APPROPRIATELY SIZED AND SHAPED BOULDER IS PROVIDED. CONTRACTOR TO MOUNT SIGN TO BOULDER TO BE INCLUDED IN THE PAY ITEM "MNRTF SIGN".
- CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF THE WATER FILLING STATION TO ENSURE PROPER LAYOUT/PREPARATION OF THE INSTALLATION SITE AND WATER SERVICE HOOK UP. WATER BOTTLE FILLING STATION TO BE INSTALLED BY OTHERS.
- CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF ITEMS TO BE INSTALLED "BY OTHERS".
- THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- SEDIMENTATION AND SOIL EROSION CONTROL REQUIRED FOR THE PROJECT SHALL BE IN ACCORDANCE WITH THE "MICHIGAN SOIL AND SEDIMENTATION CONTROL PART 91 OF PA 451, 1994, AND MDOT SECTION 208, STANDARD SPECIFICATIONS FOR CONSTRUCTION (2012 EDITION). ALL ITEMS REQUIRED FOR SOIL EROSION CONTROL OF THIS PROJECT ARE INCLUDED IN PROJECT AND WILL BE PAID FOR SEPARATELY AT THE CONTRACT UNIT PRICE.
- SITE CLEANUP/RESTORATION TO INCLUDE TOPSOIL, SEED, FERTILIZER, AND MULCH AS NEEDED FOR DISTURBED AREAS.
- EXISTING PICNIC BENCHES TO REMAIN IN THE PARK AND PLACED AS DIRECTED BY THE ENGINEER.
- SIDEWALK SLOPE NOT TO EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE.
- SLOPE OF PLAYGROUND SURFACE NOT TO EXCEED 2% IN ALL DIRECTIONS.

KEY:
 * = TO BE PROVIDED BY OTHERS, UNLESS OTHERWISE NOTED
 ** = NOT TO BE FUNDED BY MNRTF GRANT (NON-PARTICIPATING)

MISCELLANEOUS QUANTITIES		
QTY	UNIT	DESCRIPTION
1	LSUM	MOBILIZATION
1	LSUM	SITE PREPARATION
10	EA	TREE ROOT CUTTING/REMOVAL
9868	SFT	CONCRETE SIDEWALK, 4 INCH
121	SFT	CONCRETE SIDEWALK/DRIVE/RAMP, 6 INCH
1554	SFT	CONCRETE BASKETBALL COURT, REINFORCED, 4 INCH
20	FT	DETECTABLE WARING, CAST IN PLACE, REPLACEABLE, BRICK RED, 24" WIDE
69	FT	PAVT MRKG, WATERBORNE, 3 INCH, WHITE
2	CFT	STONE, 2 INCH DIA, WASHED
2	EA	BERM
8	EA	LANDSCAPING BOULDER
1	EA	MNRTF SIGN
1	LSUM	LANDSCAPING MULCH, OWNER PROVIDED
65	CYD	ENGINEERED WOOD FIBER MULCH
1	LSUM	SITE CLEANUP/RESTORATION

ITEMS TO BE PROVIDED BY OTHERS		
QTY	UNIT	DESCRIPTION
2352	SFT	PLAYGROUND PROTECTIVE SURFACING
1	EA	WATER BOTTLE FILLING STATION
1	EA	DOG WASTE STATION
2	EA	BENCH
2	EA	BIKE RACK
1	EA	SHUTTER STRUCTURE
1	EA	UNIVERSAL ACCESS PICNIC BENCH
1	EA	BASKETBALL HOOP ASSEMBLY WITH FOOTING
2	EA	TRASH CONTAINER
1	EA	SWING SET
2	EA	CLIMBING STRUCTURE

Revision/Issue	Date
NRTF SET	8-17-17
REVISION 1	9-27-17

Date: 2017-07-25
 Project No.: 2017-06
 Drawn by: JLC
 Scale: 1" = 30'
 Sheet No.: 3 OF 3