

Contract Routing Form

ROUTING: Routine

printed on: 06/02/2020

Contract between: Madison Commercial Landscapes Inc
and Dept. or Division: Engineering Division
Name/Phone Number:

Project: 2020 Playground Improvements - Group 1

Contract No.: 8849
Enactment No.: RES-20-00402
Dollar Amount: 132,978.20

File No.: 60356
Enactment Date: ~~05/19/2020~~
5/27/2020

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	6/3/2020	6/3/2020
Director of Civil Rights	6/4/2020	6/4/2020
Risk Manager	6/5/2020	6/5/2020 RN
Finance Director	6/5/2020	6/8/2020
City Attorney	6-08-20	6/9/2020
Mayor	6-9-2020	6-9-2020

Please return signed Contracts to the City Clerk's Office
Room 103, City-County Building for filing.

Original + 2 Copies

06/02/2020 14:44:12 enjls - Sarah Lerner 261-4281

Dis Rights: OK (N/A) Problem - Hold
Prev Wage: AA / Agency / No
Contract Value: see above
AA Plan: Approved
Amendment / Addendum # -
Type: POS / Dvlp / Sbdv / Gov't /
Grant (PW) Goal / Loan / Agrmt



City of Madison

City of Madison
Madison, WI 53703
www.cityofmadison.com

Legislation Details (With Text)

File #: 60356 **Version:** 1 **Name:** Awarding Public Works Contract No. 8849, 2020 Playground Improvements - Group 1.
Type: Resolution **Status:** Passed
File created: 4/28/2020 **In control:** Engineering Division
On agenda: 5/19/2020 **Final action:** 5/19/2020
Enactment date: 5/27/2020 **Enactment #:** RES-20-00402
Title: Awarding Public Works Contract No. 8849, 2020 Playground Improvements - Group 1. (5th, 13th, & 14h ADs)
Sponsors: BOARD OF PUBLIC WORKS

Indexes:

Code sections:

Attachments: 1. Contract 8849.pdf, 2. 8849.pdf

Date	Ver.	Action By	Action	Result
5/19/2020	1	COMMON COUNCIL	Adopt	Pass
5/5/2020	1	COMMON COUNCIL	Refer to a future Meeting to Adopt	Pass
4/28/2020	1	Engineering Division	Referred for Introduction	

The proposed resolution authorizes the award of Public Works Contract No. 8849, 2020 Playground Improvements - Group 1. The total estimated cost of the project is \$143,620. The Parks Division Capital Budget Playgrounds / Accessibility Improvements project (Munis project #17436) has sufficient funding for the contract.

Awarding Public Works Contract No. 8849, 2020 Playground Improvements - Group 1. (5th, 13th, & 14h ADs)
BE IT RESOLVED, that the following low bids for miscellaneous improvements be accepted and that the Mayor and City Clerk be and are hereby authorized and directed to enter into a contract with the low bidder contained herein, subject to the Contractor's compliance with Section 39.02 of the Madison General Ordinances concerning compliance with the Affirmative Action provisions **and subject to the Contractor's compliance with Section 33.07 of the Madison General Ordinances regarding Best Value Contracting:**

BE IT FURTHER RESOLVED, that the funds be encumbered to cover the cost of the projects contained herein.

See attached document (Contract No. 8849) for itemization of bids.

Digitally signed by enssd
DN: cn=enssd,
email=sdannerrivers@cityofma
dison.com
Date: 2020.06.02 14:28:46
-05'00'

enssd

PROJECT _____ CONTRACTOR _____ AMOUNT OF BID

CONTRACT NO. 8849
2020 PLAYGROUNDS – GROUP 1

MADISON COMMERCIAL LANDSCAPES, INC.

\$132,978.20

Acct. No. 11969-51-130: 54255 (98863)	\$44,645.60
Contingency 8%+	<u>3,574.40</u>
Sub-Total	\$48,220.00

Acct. No. 12676-51-130: 54255 (98863)	\$88,332.60
Contingency 8%+	<u>7,006.74</u>
Sub-Total	\$95,400.00

GRAND TOTAL	<u>\$143,620.00</u>
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Jurisdiction: Wisconsin

Demographics

Company Name: Western Surety Company	NAIC CoCode: 13188	Short Name:
SBS Company Number: 54219777	State of Domicile: South Dakota	FEIN: 46-0204900
Domicile Type: Foreign	Organization Type: Stock	Country of Domicile: United States
NAIC Group Number: 218 - CNA INS GRP		Date of Incorporation: 07/10/1900
Merger Flag: No		

Address

Business Address 151 N FRANKLIN ST CHICAGO, IL 60606 United States	Mailing Address 151 N FRANKLIN ST CHICAGO, IL 60606 United States	Statutory Home Office Address 101 S REID ST SIOUX FALLS, SD 57103 United States	Main Administrative Office Address 151 N FRANKLIN ST CHICAGO, IL 60606 United States
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Phone, Email, Website

Phone	Email	Website						
<table border="1"> <thead> <tr> <th>Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Business Primary Phone</td> <td>(312) 822-5000</td> </tr> <tr> <td>Fax Phone</td> <td>(312) 260-4376</td> </tr> </tbody> </table>	Type	Number	Business Primary Phone	(312) 822-5000	Fax Phone	(312) 260-4376	No results found.	No results found.
Type	Number							
Business Primary Phone	(312) 822-5000							
Fax Phone	(312) 260-4376							

Company Type

Company Type: Property and Casualty	Status Reason:	Status Date: 05/29/1942
Status: Active	Legacy State ID: 111843	Expiration Date:
Effective Date: 05/29/1942	Approval Date:	File Date:
Issue Date: 05/29/1942	Article No:	COA Number:
Articles of Incorporation Received: No		

Appointments

Show entries Showing 1 to 3 of 2551 entries

Licensee Name	License Number	NPN	License Type	Line of Authority	Appointment Date	Effective Date	Expiration Date
PATRICIA WANECKI	6512852	6512852	Intermediary (Agent) Individual	Casualty	02/18/2004	03/04/2020	03/15/2021
PATRICIA WORTHINGTON-BRICE	289352	289352	Intermediary (Agent) Individual	Casualty	03/25/1993	03/04/2020	03/15/2021
PATRICIA WEBER	8198989	8198989	Intermediary (Agent) Individual	Casualty	07/09/2008	03/04/2020	03/15/2021

First Previous **1** Next Last

Line Of Business

Line of Business	Citation Type	Effective Date
Fidelity Insurance	Fidelity Insurance	05/29/1942
Liability and Incidental Medical Expense Insurance (other than automobile)	Liability and Incidental Medical Expense Insurance (other than automobile)	05/29/1942
Surety Insurance	Surety Insurance	05/29/1942

Contact

Contact Type	Preferred Name	Name	E-mail	Phone	Address
Registered Agent for Service of Process					Other CT CORPORATION SYSTEM 301 S BEDFORD ST STE 1 MADISON, WI United States County 53703

Company Merger

No results found.

Name Change History

Previous Name	New Name	Effective Date
	Western Surety Company	

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\$132,978.20
ORIGINAL

BID OF MADISON COMMERCIAL LANDSCAPES INC.

2020

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

2020 PLAYGROUND IMPROVEMENTS – GROUP 1

CONTRACT NO. 8849

MUNIS NO. 11969-51-130 & 12676-51-130

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON MAY 19, 2020

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**2020 PLAYGROUND IMPROVEMENTS - GROUP 1
CONTRACT NO. 8849**

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This Proposal, and Agreement have
been prepared by:

**CITY PARKS DIVISION
CITY OF MADISON
MADISON, DANE COUNTY, WISCONSIN**

Kay H. Rutledge for
Eric Krepp, Parks Superintendent

EMK: scl

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	2020 PLAYGROUND IMPROVEMENTS - GROUP 1
CONTRACT NO.:	8849
SBE GOAL	9%
BID BOND	5%
SBE PRE BID MEETING (1:00 P.M.)	See Pre Bid meeting information below
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	4/16/2020
BID SUBMISSION (2:00 P.M.)	4/23/2020
BID OPEN (2:30 P.M.)	4/23/2020
PUBLISHED IN WSJ	4/9/2020 & 4/16/2020

SBE PRE BID MEETING: Small Business Enterprise Pre-Bid Meetings are not being held in person at this time. Contractors can schedule one-on-one phone calls with Juan Pablo Torres Meza in Affirmative Action to count towards good faith efforts. Juan Pablo can be reached at 608-261-9162 or by email, jtorresmeza@cityofmadison.com.

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/business/pw/forms.cfm. If not currently prequalified in the categories listed in Section A, an amendment to your Prequalification will need to be submitted prior to the same due date. Postmark is not applicable.

BIDS TO BE SUBMITTED by hand to 1600 EMIL ST., MADISON, WI 53713 or online at www.bidexpress.com.

THE BID OPENING is at 1600 EMIL ST., MADISON, WI 53713.

The process for submission of bids has not changed. Bids may be submitted on live through Bid Express or in person at 1600 Emil St. Please note that the doors at 1600 Emil St. are locked, but there is a sign with phone numbers on the door. Please call one of the numbers and staff will come to the door to get your bid. Until further notice, the bid openings will be closed to the public to support the guidance of social distancing as the City responds to COVID-19 impacts to services. The bids will be posted online after the bid opening. If you have any questions, please call Alane Boutelle at 608-267-1197, or John Fahrney at 608-266-9091.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2020 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, www.cityofmadison.com/Business/PW/specs.cfm.

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102, "BIDDING REQUIREMENTS AND CONDITIONS" and Article 103, "AWARD AND EXECUTION OF THE CONTRACT." For the convenience of the bidder, below are highlights of three subsections of the specifications.

SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a). of the General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms.

The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

SECTION 102.4 PROPOSAL

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of which such corporation was chartered. The required signatures shall in all cases appear in the space provided thereof on the proposal.

Each proposal shall be placed, together with the proposal guaranty, in a sealed envelope, so marked as to indicate name of project, the contract number or option to which it applies, and the name and address of the Contractor or submitted electronically through Bid Express (www.bidexpress.com). Proposals will be accepted at the location, the time and the date designated in the advertisement. Proposals received after the time and date designated will be returned to the bidder unopened.

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond (City of Madison form) equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer. Bid deposit of the successful bidders shall be returned within forty-eight (48) hours following execution of the contract and bond as required.

MINOR DISCREPENCIES

Bidder is responsible for submitting all forms necessary for the City to determine compliance with State and City bidding requirements. Notwithstanding any language to the contrary contained herein, the City may

exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion or performance of the contract.

Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an

Building Demolition

- 101 Asbestos Removal
 120 House Mover

- 110 Building Demolition

Street, Utility and Site Construction

- 201 Asphalt Paving
 205 Blasting
 210 Boring/Pipe Jacking
 215 Concrete Paving
 220 Con. Sidewalk/Curb & Gutter/Misc. Flat Work
 221 Concrete Bases and Other Concrete Work
 222 Concrete Removal
 225 Dredging
 230 Fencing
 235 Fiber Optic Cable/Conduit Installation
 240 Grading and Earthwork
 241 Horizontal Saw Cutting of Sidewalk
 242 Infrared Seamless Patching
 245 Landscaping, Maintenance
 246 Ecological Restoration
 250 Landscaping, Site and Street
 251 Parking Ramp Maintenance
 252 Pavement Marking
 255 Pavement Sealcoating and Crack Sealing
 260 Petroleum Above/Below Ground Storage Tank Removal/Installation
 262 Playground Installer

- 265 Retaining Walls, Precast Modular Units
 270 Retaining Walls, Reinforced Concrete
 275 Sanitary, Storm Sewer and Water Main Construction
 276 Sawcutting
 280 Sewer Lateral Drain Cleaning/Internal TV Insp.
 285 Sewer Lining
 290 Sewer Pipe Bursting
 295 Soil Borings
 300 Soil Nailing
 305 Storm & Sanitary Sewer Laterals & Water Svc.
 310 Street Construction
 315 Street Lighting
 318 Tennis Court Resurfacing
 320 Traffic Signals
 325 Traffic Signing & Marking
 332 Tree pruning/removal
 333 Tree, pesticide treatment of
 335 Trucking
 340 Utility Transmission Lines including Natural Gas, Electrical & Communications
 399 Other _____

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

- 401 Floor Covering (including carpet, ceramic tile installation, rubber, VCT)
 402 Building Automation Systems
 403 Concrete
 404 Doors and Windows
 405 Electrical - Power, Lighting & Communications
 410 Elevator - Lifts
 412 Fire Suppression
 413 Furnishings - Furniture and Window Treatments
 415 General Building Construction, Equal or Less than \$250,000
 420 General Building Construction, \$250,000 to \$1,500,000
 425 General Building Construction, Over \$1,500,000
 428 Glass and/or Glazing
 429 Hazardous Material Removal
 430 Heating, Ventilating and Air Conditioning (HVAC)
 433 Insulation - Thermal
 435 Masonry/Tuck pointing

- 437 Metals
 440 Painting and Wallcovering
 445 Plumbing
 450 Pump Repair
 455 Pump Systems
 460 Roofing and Moisture Protection
 464 Tower Crane Operator
 461 Solar Photovoltaic/Hot Water Systems
 465 Soil/Groundwater Remediation
 466 Warning Sirens
 470 Water Supply Elevated Tanks
 475 Water Supply Wells
 480 Wood, Plastics & Composites - Structural & Architectural
 499 Other _____

State of Wisconsin Certifications

- 1 Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.
 2 Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.
 3 Class 7 Blaster - Blasting Operations and Activities for structures greater than 15' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".
 4 Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)
 5 Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: www.dhs.wisconsin.gov/Asbestos/Cert. State of Wisconsin Performance of Asbestos Abatement Certificate must be attached.
 6 Certification number as a Certified Arborist or Certified Tree Worker as administered by the International Society of Arboriculture
 7 Pesticide application (Certification for Commercial Applicator For Hire with the certification in the category of turf and landscape (3.0) and possess a current license issued by the DATCP)
 8 State of Wisconsin Master Plumbers License.

SECTION B: PROPOSAL

Please refer to the
Bid Express Website
at <https://bidexpress.com>
look up contract number
and go to
Section B: Proposal Page

You can access all City of Madison bid solicitations for FREE at www.bidexpress.com

Click on the "Register for Free" button and follow the instructions to register your company and yourself. You will be asked for a payment subscription preference, since you may wish to bid online someday. Simply choose the method to pay on a 'per bid' basis. This requires no payment until / unless you actually bid online. You can also choose the monthly subscription plan at this time. You will, however, be asked to provide payment information. Remember, you can change your preference at anytime. You will then be able to complete your free registration and have full access to the site. Your free access does not require completion of the 'Digital ID' process, so you will have instant access for viewing and downloading. To be prepared in case you ever do wish to bid online, you may wish to establish your digital ID also, since you cannot bid without a Digital ID.

If you have any problems with the free registration process, you can call the bidexpress help team, toll free at 1-888-352-2439 (option 1, option1).

SECTION C: SMALL BUSINESS ENTERPRISE

Instructions to Bidders City of Madison SBE Program Information

2 Small Business Enterprise (SBE) Program Information

2.1 Policy and Goal

The City of Madison reaffirms its policy of nondiscrimination in the conduct of City business by maintaining a procurement process which remains open to all who have the potential and ability to sell goods and services to the City. It is the policy of the City of Madison to allow Small Business Enterprises (SBE) maximum feasible opportunity to participate in City of Madison contracting. The bidder acknowledges that its bid has been submitted in accordance with the SBE program and is for the public's protection and welfare.

Please refer to the "ADVERTISEMENT FOR BIDS" for the goal for the utilization of SBEs on this project. SBEs may participate as subcontractors, vendors and/or suppliers, which provide a commercially useful function. The dollar value for SBE suppliers or 'materials only' vendors shall be discounted to 60% for purposes of meeting SBE goals.

A bidder which achieves or exceeds the SBE goal will be in compliance with the SBE requirements of this project. In the event that the bidder is unable to achieve the SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Failure to either achieve the goal or demonstrate a good faith effort to do so will be grounds for the bidder being deemed a non-responsible contractor ineligible for award of this contract.

A bidder may count towards its attainment of the SBE goal only those expenditures to SBEs that perform a commercially useful function. For purposes of evaluating a bidder's responsiveness to the attainment of the SBE goal, the contract participation by an SBE is based on the percentage of the total base bid proposed by the Contractor. The total base bid price is inclusive of all addenda.

Work performed by an SBE firm in a particular transaction can be counted toward the goal only if it involves a commercially useful function. That is, in light of industry practices and other relevant considerations, does the SBE firm have a necessary and useful role in the transaction, of a kind for which there is a market outside the context of the SBE Program, or is the firm's role a superfluous step added in an attempt to obtain credit towards goals? If, in the judgment of the Affirmative Action Division, the SBE firm will not perform a commercially useful function in the transaction, no credit towards goals will be awarded.

The question of whether a firm is performing a commercially useful function is completely separate from the question of whether the firm is an eligible SBE. A firm is eligible if it meets the definitional criteria and ownership and control requirements, as set forth in the City of Madison's SBE Program.

If the City of Madison determines that the SBE firm is performing a commercially useful function, then the City of Madison must then decide what that function is. If the commercially useful function is that of an SBE vendor / supplier that regularly transacts business with the respective product, then the City of Madison will count 60% of the value of the product supplied toward SBE goals.

To be counted, the SBE vendor / supplier must be engaged in selling the product in question to the public. This is important in distinguishing an SBE vendor / supplier, which has a regular trade with a variety of customers, from a firm which performs supplier-like

functions on an ad hoc basis or for only one or two contractors with whom it has a special relationship.

A supplier of bulk goods may qualify as an eligible SBE vendor / supplier if it either maintains an inventory or owns or operates distribution equipment. With respect to the distribution equipment; e.g., a fleet of trucks, the term "operates" is intended to cover a situation in which the supplier leases the equipment on a regular basis for its entire business. It is not intended to cover a situation in which the firm simply provides drivers for trucks owned or leased by another party; e.g., a prime contractor, or leases such a party's trucks on an ad hoc basis for a specific job.

If the commercially useful function being performed is not that of a qualified SBE vendor / supplier, but rather that of delivery of products, obtaining bonding or insurance, procurement of personnel, acting as a broker or manufacturer's representative in the procurement of supplies, facilities, or materials, etc., only the fees or commissions will apply towards the goal.

For example, a business that simply transfers title of a product from manufacturer to ultimate purchaser; e. g., a sales representative who re-invoices a steel product from the steel company to the Contractor, or a firm that puts a product into a container for delivery would not be considered a qualified SBE vendor / supplier. The Contractor would not receive credit based on a percentage of the cost of the product for working with such firms.

Concerning the use of services that help the Contractor obtain needed supplies, personnel, materials or equipment to perform a contract: only the fee received by the service provider will be counted toward the goal. For example, use of a SBE sales representative or distributor for a steel company, if performing a commercially useful function at all, would entitle the Contractor receiving the steel to count only the fee paid to the representative or distributor toward the goal. This provision would also govern fees for professional and other services obtained expressly and solely to perform work relating to a specific contract.

Concerning transportation or delivery services: if an SBE trucking company picks up a product from a manufacturer or a qualified vendor / supplier and delivers the product to the Contractor, the commercially useful function it is performing is not that of a supplier, but simply that of a transporter of goods. Unless the trucking company is itself the manufacturer or a qualified vendor / supplier in the product, credit cannot be given based on a percentage of the cost of the product. Rather, credit would be allowed for the cost of the transportation service.

The City is aware that the rule's language does not explicitly mention every kind of business that may contribute work on this project. In administering these programs, the City would, on a case-by-case basis, determine the appropriate counting formula to apply in a particular situation.

2.2 Contract Compliance

Questions concerning the SBE Program shall be directed to the Contract Compliance Officer of the City of Madison Department of Civil Rights, Affirmative Action Division, 210 Martin Luther King, Jr. Blvd., Room 523, Madison, WI 53703; telephone (608) 266-4910.

2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at www.cityofmadison.com/civil-rights/contract-compliance/targeted-business-enterprise-programs/targeted-business-enterprise.

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at www.cityofmadison.com/civil-rights/contract-compliance/targeted-business-enterprise-programs/targeted-business-enterprise. Submittal of the Targeted Business Certification Application by the time specified does not guarantee that the applicant will be certified as a SBE eligible to be utilized towards meeting the SBE goal for this project.

2.4 Small Business Enterprise Compliance Report

2.4.1 Good Faith Efforts

Bidders shall take all necessary affirmative steps to assure that SBEs are utilized when possible and that the established SBE goal for this project is achieved. A contractor who self performs a portion of the work, and is pre-qualified to perform that category of work, may subcontract that portion of the work, but shall not be required to do so. When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Such a good faith effort should include the following:

- 2.4.1.1 Attendance at the pre-bid meeting.
- 2.4.1.2 Using the City of Madison's directory of certified SBEs to identify SBEs from which to solicit bids.
- 2.4.1.3 Assuring that SBEs are solicited whenever they are potential sources.
- 2.4.1.4 Referring prospective SBEs to the City of Madison Affirmative Action Division for certification.
- 2.4.1.5 Dividing total project requirements into smaller tasks and/or quantities, where economically feasible, to permit maximum feasible SBE participation.
- 2.4.1.6 Establishing delivery schedules, where requirements permit, which will encourage participation by SBEs.
- 2.4.1.7 Providing SBEs with specific information regarding the work to be performed.
- 2.4.1.8 Contacting SBEs in advance of the deadline to allow such businesses sufficient time to prepare a bid.
- 2.4.1.9 Utilizing the bid of a qualified and competent SBE when the bid of such a business is deemed reasonable (i.e. 5% above the lowest bidder), although not necessarily low.
- 2.4.1.10 Contacting SBEs which submit a bid, to inquire about the details of the bid and confirm that the scope of the work was interpreted as intended.
- 2.4.1.11 Completion of Cover Page (page C-6), Summary Sheet (page C-7) and SBE Contact Reports (pages C-8 and C9) if applicable.

2.4.2 Reporting SBE Utilization and Good Faith Efforts

The Small Business Enterprise Compliance Report is to be submitted by the bidder with the bid: This report is due by the specified bid closing time and date. Bids submitted without a completed SBE Compliance Report as outlined below may be deemed non-responsible and the bidder ineligible for award of this contract. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant

and not one related to price, quality, quantity, time of completion, performance of the contract, or percentage of SBE utilization.

2.4.2.1 If the Bidder meets or exceeds the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.1.1 **Cover Page**, Page C-6; and

2.4.2.1.2 **Summary Sheet**, C-7.

2.4.2.2 If the bidder does not meet the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.2.1 **Cover Page**, Page C-6;

2.4.2.2.2 **Summary Sheet**, C-7; and

2.4.2.2.3 **SBE Contact Report**, C-8 and C-9. (A separate Contact Report must be completed for each applicable SBE which is not utilized.)

2.5 Appeal Procedure

A bidder which does not achieve the established goal and is found non-responsible for failure to demonstrate a good faith effort to achieve such goal and subsequently denied eligibility for award of contract may appeal that decision to the Small Business Enterprises Appeals Committee. All appeals shall be made in writing, and shall be delivered to and received by the City Engineer no later than 4:30 PM on the third business day following the bidder's receipt of the written notification of ineligibility by the Affirmative Action Division Manager. Postmark not acceptable. The notice of appeal shall state the basis for the appeal of the decision of the Affirmative Action Division Manager. The Appeal shall take place in accordance with Madison General Ordinance 33.54.

2.6 SBE Requirements After Award of the Contract

The successful bidder shall identify SBE subcontractors, suppliers and vendors on the subcontractor list in accordance with the specifications. The Contractor shall submit a detailed explanation of any variances between the listing of SBE subcontractors, vendors and/or suppliers on the subcontractor list and the Contractor's SBE Compliance Report for SBE participation.

No change in SBE subcontractors, vendors and/or suppliers from those SBEs indicated in the SBE Compliance Report will be allowed without prior approval from the Engineer and the Affirmative Action Division. The contractor shall submit in writing to the City of Madison Affirmative Action Division a request to change any SBE citing specific reasons which necessitate such a change. The Affirmative Action Division will use a general test of reasonableness in approving or rejecting the contractor's request for change. If the request is approved, the Contractor will make every effort to utilize another SBE if available.

The City will monitor the project to ensure that the actual percentage commitment to SBE firms is carried out.

2.7 SBE Definition and Eligibility Guidelines

A Small Business Enterprise is a business concern awarded certification by the City of Madison. For the purposes of this program a Small Business Enterprise is defined as:

- A. An independent business operated under a single management. The business may not be a subsidiary of any other business and the stock or ownership may not be held by any individual or any business operating in the same or a similar field. In determining whether an entity qualifies as a SBE, the City shall consider all factors relevant to being an independent business including, but not limited to, the date the business was established, adequacy of its resources for the work in which it proposes to involve itself, the degree to which financial, equipment leasing and other relationships exist with other ineligible firms in the same or similar lines of work. SBE owner(s) shall enjoy the customary incidents of ownership and shall share in the risks and profits commensurate with their enjoyment interests, as demonstrated by an examination of the substance rather than form or arrangements that may be reflected in its ownership documents.
- B. A business that has averaged no more than \$4.0 million in annual gross receipts over the prior three year period and the principal owner(s) do not have a personal net worth in excess of \$1.32 million.

Firm and/or individuals that submit fraudulent documents/testimony may be barred from doing business with the City and/or forfeit existing contracts.

SBE certification is valid for one (1) year unless revoked.

SECTION D: SPECIAL PROVISIONS

2020 PLAYGROUND IMPROVEMENTS - GROUP 1 CONTRACT NO. 8849

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

SECTION 102.11: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$63,500 for a single trade contract; or equal to or greater than \$311,500 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 104: SCOPE OF WORK

This project consists of installation of new playground equipment and/or nature play features and associated site and playground amenities, underdrain, and asphalt or concrete paths at three (3) City of Madison park locations including Eagle Trace Park, Hillington Green Park, and Wingra Park.

The Contractor shall view the sites prior to bidding to become familiar with the existing conditions. The Contractor shall work with the existing utilities to resolve conflicts during the construction process.

The design and ordering of the park playground equipment and benches is excluded from the scope of this work.

SECTION 104.4: INCREASED OR DECREASED QUANTITIES

It is agreed and understood that the quantities of any items of work shown on the plans or in the proposal are subject to increase or decrease during the progress of the work. The Engineer reserves the right to increase or decrease the quantities of any items of work, including increase or decrease of quantities by alteration of plans, as may be considered necessary or desirable during the progress of the work to satisfactorily complete the project. Such increases or decreases in quantities shall not be considered as a waiver of any conditions of the contract nor invalidate any of the provisions thereof. All terms of Section 104.5 Increased Items and Section 104.6 Decreased and Deleted Items of the Standard Specifications for Public Works Construction are applicable to this project.

SECTION 105.1: AUTHORITY OF THE ENGINEER

The Engineer shall resolve all questions which arise as to the quality and acceptability of materials furnished, work performed, manner of performance, rate of progress of the work, interpretation of the plans and Specifications, acceptable fulfillment of the contract, compensation, and disputes and mutual rights between Contractors under the Specifications. The Engineer shall determine the amount and quantity of work performed and materials furnished.

All decisions of the Engineer shall, when so requested, be rendered in writing. They shall be final and conclusive in all matters unless within ten (10) days after such decision the Contractor applies in writing to the Board of Public Works for a review of such decision.

Any change proposed by a Contractor in SBE subcontractors, vendors or suppliers from those SBEs indicated on the SBE Compliance Report must be approved by the Engineer and the City's Manager of the Affirmative Action Division (hereafter, AAD). When requested, such decision shall be rendered in writing.

Such decisions shall be final and conclusive in all matters unless within ten (10) days after such decision the Contractor or the affected SBE applies in writing to the Board of Public Works for a review of such decision.

In the event the Engineer and the AAD disagree over the proper decision to be made regarding an SBE, the Mayor shall appoint a third person to resolve the disagreement, within 30 days of appointment. The decision thus rendered may be reviewed by the Board of Public Works upon request of the Contractor or the affected SBE as set forth in Sections 105.1 and 105.2 of the City's standard specifications.

SECTION 105.9: SURVEYS, POINTS, AND INSTRUCTION

The Contractor is responsible for the layout of the playground underdrain system per Bid Item 20130. The City of Madison shall be responsible for setting all other lines and/or grades required to complete the work for the 2020 Playground Replacements – Group 1 Contract. **Contractor to note: for paths, the City shall provide offset stakes along one side, unless special circumstances such as large width or irregular geometry, as determined by the City, require additional stakes. The Contractor shall set any additional stakes, such as hubs at gravel grade.** Any questions regarding the layout and staking of this project should be directed to City of Madison Parks Surveyor Dan Rodman at (608) 658-3087.

SECTION 105.12: COOPERATION BY CONTRACTOR

The Contractor shall be required to contact the City of Madison Playground Construction Inspector Andy Peters at (608) 220-6501 to remove existing play equipment at least seven (7) business days in advance of starting construction.

Utilities may exist on site. The Contractor shall perform a One Call through Digger's Hotline for each site at least three working days prior to beginning construction.

The Contractor shall secure materials at the end of each work day to deter any potential vandalism and theft.

The Contractor shall attend a pre-construction meeting prior to the start of construction. The City may determine that this meeting shall be held via remote conferencing and will provide a method to remote conference the preconstruction meeting if necessary.

The Contractor warrants that its services are performed, within the limits prescribed by the City, with the usual thoroughness and competence of the consulting profession; in accordance with the standard for professional services at the time those services are rendered. The Contractor shall be responsible for the accuracy of the work performed under this Agreement, and shall promptly make necessary revisions or corrections resulting from their negligent acts, errors or omissions without additional compensation. The Contractor shall be responsible for any damages incurred as a result of their errors, omissions, or negligent acts and for any losses or costs to repair or remedy construction.

The Contractor shall take care when accessing the site not to damage the existing utilities, concrete curb, sidewalk or asphalt pavement. Any damage shall be repaired by the Contractor per the Standard Specifications and considered incidental to this contract.

The Contractor shall contact Andy Peters, Playground Construction Inspector (608) 220-6501 each day to inform the Playground Construction Inspector the location of the day's proposed playground construction.

This contract includes installation of a playground at Eagle Trace Park. Eagle Trace Park is an existing parcel owned by the City of Madison that currently does not have park amenities, nor is it at final grade. Final grading, installation of the path to the playground, sun shelter and basketball court shall be performed by Veridian Homes in 2020 prior (or at the same time) as playground construction. Construction plans for work to be performed by Veridian for Eagle Trace Park is included in Appendix C. The Contractor shall work with Veridian Homes (Todd Wozniak at 608-226-3000) and their contractors to coordinate playground construction.

The Contractor shall note that soccer fields at Wingra Park are reserved throughout the summer for league play. The Contractor shall accommodate park users, maintaining construction fencing and limiting work to within construction limits.

SECTION 105.13: ORDER OF COMPLETION

Prior to beginning construction, the Contractor shall submit to the City a detailed schedule showing the sequence and anticipated dates of all playground installation operations. Work at Hillington Green shall not start prior to July 6, 2020, to avoid a neighborhood event in the park.

SECTION 107.13: TREE PROTECTION SPECIFICATIONS

The Contractor is advised to review Article 107.13 of the Standard Specifications for tree protection.

The intent of this design is to minimize the damage to those trees that remain following construction. Trees that must be protected are designated on the plans. It is recognized that grading operations and root cutting of some trees will need to occur within 5 feet of trees in order to complete the work, and care must be taken in these areas. For trees where construction operations, including grading, stone placement, filling, etc. occur within 5 feet of the trunk, construction operations near these trees shall be done under the supervision of a City of Madison Forestry Representative.

Roots shall be cut cleanly by using a saw, ax, lopping shears, chain saw, stump grinder, or other means which will produce a clean cut. Exposed roots shall be covered as soon as excavation and installation are complete. All roots over one (1) inch in diameter that are damaged shall be cleanly cut immediately back of the damaged section on the same day of the excavation. The Contractor shall not rip or pull roots out towards the trunk of a tree while excavating with a backhoe. The use of a backhoe to cut roots is NOT acceptable.

Protection of these trees shall be paid under BID ITEM 10803 – ROOT CUTTING.

SECTION 108.2: PERMITS

The following permits have been applied for by the City of Madison for each applicable playground site:

1. City of Madison Erosion Control Permit

The Contractor shall meet the conditions of all permits and must keep a copy of each individual permit on site at all times throughout construction.

The Contractor shall note that street sweeping shall be incidental to this contract and will not be paid as a separate bid item. The Contractor is responsible for cleaning any material tracked into street.

The Contractor shall meet the conditions of the permits including properly installing and maintaining the erosion control measures shown on the plans, specified in these special provisions, or as directed by the Engineer or his designees.

The City's obtaining these permits is not intended to be exhaustive of all permits that may be required to be obtained by the Contractor for construction of this project. It shall be the responsibility of the Contractor to identify and obtain any other permits needed for construction.

SECTION 109.2: PROSECUTION OF THE WORK

The Contractor is made aware that the start work date listed in the contract may be delayed, due to concerns and problems addressing the effects of COVID-19. This change is at the discretion of the Engineer.

Work cannot start on this contract until after the "Start to Work" letter has been received. Construction work must begin within seven (7) calendar days after the date appearing on the mailed notice that was sent to the Contractor. Construction work shall be carried out at a rate so as to secure full completion within the contract times outlined in Section 109.7, the rate of progress and the time of completion being essential conditions of this Agreement. Definite notice of intention to start work shall be given to the Engineer at least seventy-two (72) hours in advance of beginning work.

The fixed, agreed upon, liquidated damages for failure to complete all work within the contract, unless otherwise specified in this section, shall be calculated in accordance with Article 109 of the Standard Specifications. The Contractor shall limit workdays from 7:00 am to 7:00 pm, Monday - Friday, unless approved by the Engineer in writing.

SECTION 109.7: TIME OF COMPLETION

The Contractor shall begin work on the 2020 Park Playground Replacements – Group 1 contract on or before June 15, 2020 and shall be completed by November 1, 2020.

SECTION 110.1: MEASUREMENT OF QUANTITIES

All bid items listed in the proposal page will be paid for at the quantity listed in the proposal page, and will not be measured in the field unless otherwise indicated in these special provisions, or there is a significant change approved by the Engineer.

BID ITEM 10803 - ROOT CUTTING

DESCRIPTION

Work under this item shall include all costs associated with root cutting as described in Section 107.13 Tree Protection Specifications.

METHOD OF MEASUREMENT

Root Cutting shall be measured per each individual tree marked NRC on the plan.

BASIS OF PAYMENT

Root Cutting shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, materials, tools, equipment, labor and incidentals required to complete the work as set forth in the description.

BID ITEM 10911 - MOBILIZATION

DESCRIPTION

Work under this item shall include all costs associated with mobilization of the Contractor to each playground location. Parking of equipment, storage of materials and staging shall be allowed within project limits as shown on plans. The Contractor may only enter the construction site through the construction entrance as shown on the plans. THE CONTRACTOR MAY NOT DRIVE OR STORE EQUIPMENT ON ANY PORTION OF THE PARK OUTSIDE THE CONSTRUCTION LIMITS UNLESS INDICATED OTHERWISE ON PLANS OR DIRECTED IN THE FIELD. RESTORATION WILL BE CONSIDERED INCIDENTAL TO THIS BID ITEM AND SHALL NOT BE CONSIDERED SEPARATELY.

The Contractor is responsible for restoration of any damage to the site due to construction.

BID ITEM 20101 – EXCAVATION CUT

DESCRIPTION

Excavation Cut shall consist of the loosening, loading, hauling and disposal of all materials, except the existing pea gravel or mixed pea gravel and rubber mulch playground surfacing which shall be paid for under BID ITEM 20103 - EXCAVATION CUT – PEA GRAVEL or BID ITEM 20104 – EXCAVATION CUT – PEA GRAVEL / RUBBER MIX. Excavation cut shall be in accordance with Article 201 of the Standard Specifications.

The excavation quantities for this contract have been calculated by subtracting digital terrain models of the existing and proposed surfaces and sub surfaces within the different material areas. Cut (in place quantities) and fill have been estimated from these models. Cut and fill quantities have been determined based on an estimated existing playground surface depth of 17". No shrinkage factor has been applied to fill quantities to estimate net volume. The Contractor is responsible to review attached earthwork calculations. Three-dimensional AutoCAD Civil 3D (.dwg) files containing the digital terrain models used for the earthwork calculations are available. Additional excavation may be necessary if existing playground surfacing is greater than seventeen (17) inches. The Contractor shall notify the Engineer prior to excavation and removal of playground surfacing beyond seventeen (17) inches.

The proposal quantity was computed by AutoCAD Civil 3D surface data volume computations and the assumptions listed above. Adjustments were made for topsoil assuming excavation of six (6) inches of existing topsoil, placement of six (6) inches of proposed topsoil and placement of fourteen (14) of playground surfacing.

Excess excavated material deemed unusable shall be disposed of at a suitable location determined by the Contractor at no additional cost to the City of Madison.

Suitable materials (to be determined by the Engineer) may be reused as fill within the project limits. Placement of these fill materials shall be considered incidental to this bid item and shall not be compensated separately. All double handling and subsoil placement is included in this bid item.

Any additional undercut required due to field conditions shall be paid for at the Excavation Cut unit bid price.

Test rolling for undercut determination is required at all playground sites and is incidental to this bid item.

Final playground subgrade must be within +/- 1". The Contractor shall contact the Engineer to proof subgrade prior to installation of fabric over playground subgrade.

Contractor to note all excavated areas shall be filled at the end of each work day. No excavated areas shall be "open" during non-work hours.

BID ITEM 20103 – EXCAVATION CUT - PEA GRAVEL

DESCRIPTION

Excavation Cut – Pea Gravel shall consist of the loosening, loading, hauling and disposal of the existing pea gravel playground surfacing as identified on the plans per Article 201 of the Standard Specifications.

The excavation quantities for this contract have been calculated by subtracting digital terrain models of the existing and proposed surfaces and sub surfaces within the different material areas. Cut (in place quantities) and fill have been estimated from these models. Cut and fill quantities have been determined based on an estimated existing playground surface depth of 17". No shrinkage factor has been applied to fill quantities to estimate net volume. The Contractor is responsible to review attached earthwork calculations. Three-dimensional AutoCAD Civil 3D (.dwg) files containing the digital terrain models used for the earthwork calculations are available. Additional excavation may be necessary if existing playground surfacing is

greater than seventeen (17) inches. The Contractor shall notify the Engineer prior to excavation and removal of playground surfacing beyond seventeen (17) inches.

The proposal quantity was computed by AutoCAD Civil 3D surface data volume computations and the assumptions listed above. Adjustments were made for excavation of seventeen (17) inches of existing playground surfacing.

Excess material shall be disposed offsite at a location to be determined and provided by the City at no extra cost to the City. Double handling and stockpiling pea gravel is included in this bid item. Contractor to note all excavated areas shall be filled at the end of each work day. No excavated areas shall be "open" during non-work hours.

Clean pea gravel that is excavated may be placed at Wingra Park at the locations shown on the plans under BID ITEM 90004- Playground Surfacing – Pea Gravel. It is estimated that there will be approximately 85.1 cubic yards of pea gravel removed from Wingra Park, of which 27 cubic yards shall be placed as Playground Surfacing – Pea Gravel at Wingra Park. Pea gravel mixed with dirt or debris may not be reused on site and any additional clean pea gravel that needs to be brought in to the site shall be considered incidental to this bid item.

METHOD OF MEASUREMENT

Excavation Cut – Pea Gravel within the limits shown on the plans shall be measured by the cubic yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Excavation Cut – Pea Gravel shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, labor, tools, equipment, disposal, and incidentals required to complete the work as set forth in the description.

BID ITEM 20104 – EXCAVATION CUT - PEA GRAVEL / RUBBER MIX

DESCRIPTION

Excavation Cut – Pea Gravel / Rubber Mix shall consist of the loosening, loading, hauling and disposal of the existing pea gravel and recycled rubber tire playground surfacing as identified on the plans per Article 202 of the Standard Specifications. The playground surfacing at Hillington Green Park is approximately 5 inch depth of shredded rubber tires, with approximately 12 (twelve) inches of pea gravel below the surfacing.

The excavation quantities for this contract have been calculated by subtracting digital terrain models of the existing and proposed surfaces and sub surfaces within the different material areas. Cut (in place quantities) and fill have been estimated from these models. Cut and fill quantities have been determined based on an estimated existing playground surface depth of 17 inches. No shrinkage factor has been applied to fill quantities to estimate net volume. The Contractor is responsible to review attached earthwork calculations. Three-dimensional AutoCAD Civil 3D (.dwg) files containing the digital terrain models used for the earthwork calculations are available. Additional excavation may be necessary if existing playground surfacing is greater than seventeen (17) inches. The Contractor shall notify the Engineer prior to excavation and removal of playground surfacing beyond seventeen (17) inches.

The proposal quantity was computed by AutoCAD Civil 3D surface data volume computations and the assumptions listed above. Adjustments were made for excavation of 17 (seventeen) inches of existing playground surfacing.

Excess material shall be disposed offsite at a location determined by the Contractor at no extra cost to the City. Double handling and stockpiling pea gravel/rubber mix is included in this bid item. Contractor to note

all excavated areas shall be filled at the end of each work day. No excavated areas shall be "open" during non-work hours.

METHOD OF MEASUREMENT

Excavation Cut – Pea Gravel / Rubber Mix within the limits shown on the plans shall be measured by the cubic yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Excavation Cut – Pea Gravel / Rubber Mix shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, labor, tools, equipment, disposal, and incidentals required to complete the work as set forth in the description. Disposal of the pea gravel / rubber mix material is incidental to this bid item.

BID ITEM 20130 - UNDERDRAIN

DESCRIPTION

This work shall include all labor, equipment, materials, and incidentals required to install and connect four-inch perforated pipe underdrain with mitered end cap / opening at daylight area, wrapped, including open graded base course and filter fabric sock as shown on the plans or as directed by the Engineer.

All costs associated with the construction of the underdrain, as shown on the plans or as directed by the Engineer, shall be considered incidental to this item including stone, pipe, fabric and excavation cut. The work involved with the placement of the perforated pipe shall be in accordance with Sections 612 and 645 of the latest edition of the Standard Specifications for Highway and Structure Construction of the State of Wisconsin, Department of Transportation.

Flexible drain pipe will not be allowed.

When installing the underdrain system the Contractor shall maintain an 18" minimum clearance from playground equipment footings.

The Contractor shall be responsible for staking horizontal and vertical alignment of drain tile.

The Contractor shall contact City of Madison Parks Surveyor, Dan Rodman at (608) 658-3087 at least 48 hours prior to field check underdrain elevations prior to backfilling.

BID ITEM 20140 – GEOTEXTILE FABRIC TYPE SAS NON WOVEN

DESCRIPTION

Work under this bid item shall include all necessary work, labor and incidentals required to install Geotextile Fabric Type SAS Non Woven between the proposed subgrade/underdrain and the playground surfacing.

Geotextile fabric shall have a minimum 4 oz/sy fabric strength.

Overlap and staple pattern shall be in accordance with the manufacturer's recommendations, or as modified or approved in the field to accommodate the underlying play equipment. The Contractor shall provide to the City the manufacturer's recommended staple pattern.

BID ITEM 20202 – FILL BORROW

DESCRIPTION

This item shall include all necessary work, labor and incidentals required to import and distribute fill to meet proposed subgrades. Fill shall comply with material described in Article 202 of the Standard Specifications.

The fill quantities for this contract have been computed by AutoCAD Civil 3D surface data volume. Adjustments were made for topsoil assuming excavation of six (6) inches of existing topsoil, excavation of seventeen (17) inches of existing playground surfacing, placement of six (6) inches of proposed topsoil, and placement of fourteen (14) inches of playground surfacing.

Distribution of fill made available through excavation cut shall be incidental to BID ITEM 20101 EXCAVATION CUT.

Double handling, stockpiling and placing fill is included in this bid item.

BID ITEM 20217 – CLEAR STONE

DESCRIPTION

This item shall include the quantity of clear stone required for the construction entrance per BID ITEM 21011 – CONSTRUCTION ENTRANCE and does not include stone for construction of the underdrain. Stone required for construction of the underdrain shall be incidental to BID ITEM 20130 – UNDERDRAIN.

BID ITEM 20221 - TOPSOIL

DESCRIPTION

This item shall include all necessary work, labor and incidentals required to distribute, dispose and/or place topsoil to meet proposed grades. Topsoil shall comply with Article 202 of the Standard Specifications.

Stripped topsoil can be stockpiled on site within the construction fence boundary. Stripped topsoil quantities are identified in the Plans under Design Calculations and in the proposal page.

The topsoil quantities for this contract have been computed by AutoCAD Civil 3D surface data volume computations and the assumptions listed above. Adjustments were made for topsoil assuming excavation of six (6) inches of existing topsoil, seventeen (17) inches of existing playground surfacing, and placement of six (6) inches of proposed topsoil. Any additional topsoil material required beyond quantities available through stripped topsoil are included in the quantities for this bid item. The estimated below quantities of topsoil will need to be imported:

Eagle Trace Park: 0 cubic yards
Hillington Green Park: 3 cubic yards
Wingra Park: 12 cubic yards

Excess topsoil shall be disposed offsite at a location to be determined and provided by the City at no extra cost to the City or shall be used as import. The location shall be within the City of Madison. Double handling, stockpiling and placing topsoil is included in this bid item.

Contractor to note - the City of Madison Playground Construction Inspector is to be called to inspect and approve the finish grade prior to seeding and mulching.

BID ITEM 20701 – TERRACE SEEDING

DESCRIPTION

This work shall consist of preparing seed beds, furnishing and sowing the required seed, furnishing and applying the required stabilizers, fertilizer, and mulching material on all disturbed areas including areas damaged by construction activities, in accordance with Article 207 of the Standard Specifications. Seed mixture shall be either in whole, or a mixture of the City of Madison sun terrace mix and shade terrace mix applied appropriately based on shady and sunny areas of the site.

Since construction is limited to within the construction fence area, no additional compensation shall be given for seeding quantities beyond what is specified in this contract.

Contractor to note – the City of Madison Playground Construction Inspector shall be called to inspect and approve the finish grade prior to seeding and mulching.

Contractor is responsible for obtaining seed bed germination per Article 207 of the Standard Specifications, regardless of site conditions.

BID ITEM 21017 - SILT SOCK (8 INCH) - COMPLETE

DESCRIPTION

Work under this item shall include all work, materials, labor, and incidentals required to install, maintain and remove silt sock at locations shown on the plans and around any subsoil/topsoil staging piles and to install, maintain and remove additional undistributed silt sock as a precautionary measure to address emergency erosion control.

An additional 100 linear feet of silt sock has been added to each project for undistributed silt sock.

BID ITEM 21061 - EROSION MATTING, CLASS I URBAN TYPE A

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary to install Erosion Matting, Class I Urban Type A on all seeded disturbed areas as noted in the plans.

The Class and Type requirements match those of the Wisconsin Department of Transportation Product Acceptability List (PAL) nomenclature. Products listed in the PAL as Class I Urban Type A are all 100 percent biodegradable, and therefore do not need to be designated ORGANIC.

Work under this bid item shall be as set forth in the latest edition of the Standard Specifications, except the Contractor shall note that special care with anchorage devices shall be required so as to not injure park users. Anchorage devices for the mat are required to be a product identified on the Wisconsin Department of Transportation Erosion Control Product Acceptability List (PAL) under the category of "Anchoring Devices for Class I, Urban Erosion Mat."

Anchorage devices shall be completely biodegradable. Photobiodegradable or metal anchorage devices shall not be allowed. Materials deemed to present a hazard from splintering or spearing shall not be approved, including solid wood devices.

Erosion Matting, Class I Urban Type A shall be installed correctly with correct anchorage, staple pattern, and overlap. To verify the staple pattern, the Contractor shall provide to the Engineer a manufacturer's recommended staple pattern for the type of matting installed.

Trimming of the Erosion Matting, Class I Urban Type A required to accommodate existing tree locations shall be considered incidental to this bid item.

BID ITEM 40102 – CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2

DESCRIPTION

Work under this bid item shall include all work, materials, labor and incidentals necessary for the Contractor to install nine (9) inches of Crushed Aggregate Base Course Gradation No. 2 for asphalt path construction.

All aggregate base course shall extend six (6) inches beyond the proposed pavement edge and shall have three (3) inches of topsoil and terrace seed over the extended gravel base to be paid for under BID ITEM 20221 – TOPSOIL and 20701 – TERRACE SEEDING for all paved paths, except for where the path extends into the playground.

The Contractor shall contact Dan Rodman at 658-3087 at least 48 hours prior to proof subgrade elevations prior to paving.

BID ITEM 90000 - CONSTRUCTION FENCE (PLASTIC)

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to provide, install, maintain and remove construction fence from the project site as shown on the plans.

Construction fence shall be installed to discourage access to the construction area by the general public during the course of the project. Fence shall be maintained throughout construction and adjusted or removed at the request of the Engineer.

This fence shall be highly visible (orange), constructed of a plastic web and able to withstand the expected amount of use it shall receive on a construction site. Relocation of fence may be required as the work progresses. No extra payment shall be made for temporarily opening and re-closing the fence, or relocation of the fence as needed to perform the work. Fence shall be left in place until construction operations are complete.

Construction fence shall be International Orange color, high-density polyethylene mesh conforming to the following:

- Mesh opening: 1 inch minimum to 3 inch maximum
- Height: 4 feet
- Ultimate tensile strength: Avg 3000 lb per 4' width (ASTM D638)

Construction fence associated with tree protection is incidental to this bid item.

METHOD OF MEASUREMENT

Construction Fence (Plastic) shall be measured by the linear foot quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Construction Fence (Plastic) shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90001 - PLAYGROUND EQUIPMENT

DESCRIPTION

All play equipment **will be purchased by the City of Madison** and ordered for delivery from the vendors to the Contractor's pre-determined receiving location. The Contractor shall provide equipment and labor for off-loading, loading and trucking as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation. Contractor is required to inspect all deliveries received for damage and shall notify the Engineer when materials have been received and inspected. Inspection by the Contractor shall occur upon delivery. If materials are found to have been damaged upon delivery to Contractor, Contractor shall inform vendor and provide photographs of damage, and, if necessary, store the materials at the receiving location. If the materials are damaged after delivery to Contractor but before installation is complete, Contractor shall be responsible for securing replacement materials.

The Contractor shall contact the Engineer within three (3) working days of receipt of the playground equipment to confirm equipment matches what was specified. Original packing slips from each shipment shall be provided to the Engineer.

The Contractor shall contact the City of Madison Playground Construction Inspector both prior to installation to coordinate exact date for playground installation and after installation is complete to verify correct layout. All installation of equipment shall adhere and conform to the installation specifications as provided by the playground manufacturer, and shall be further inspected by the City of Madison Playground Construction Inspector and manufacturer following installation. The Contractor is required to make any necessary adjustments to the play equipment installation determined by the City of Madison Playground Construction Inspector to rectify incorrect installation. Actual layout of play system and components to be installed shall comply with that shown in the plans and be confirmed in the field by the City of Madison Playground Construction Inspector and Dan Rodman (608) 658-3087, the City of Madison Parks Surveyor. Please allow 48 hours to schedule.

The Contractor shall contact the City of Madison Parks Surveyor throughout installation to verify that playground equipment is installed at the correct horizontal layout and vertical elevations with respect to the proposed playground surfacing elevation identified on the plans.

The playground shall be installed to the correct elevations as specified by the playground manufacturer and installation specifications to meet required elevations based on the finished playground surfacing elevations as shown on the plans.

See Appendix 1 for the Manufacturers' Playground Equipment Installation Instructions for each park. Appendix 1 is available as a separate downloadable file on Bid Express and shall be considered part of this contract.

METHOD OF MEASUREMENT

Playground Equipment shall be measured by lump sum per each park playground site for the completed work as described above.

BASIS OF PAYMENT

Playground Equipment shall be measured as described above and shall be paid at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description. Playground equipment concrete footing installation, materials and excavation are incidental to this bid item.

BID ITEM 90002 - PLAYGROUND TIMBERS

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to install playground timbers at each project site as shown on the plans.

All playground timbers **will be purchased by the City of Madison** and ordered for delivery from the vendors to the Contractor's pre-determined receiving location. The Contractor shall provide equipment and labor for off-loading, loading, and trucking as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation. Contractor is required to inspect all deliveries received for damage and shall notify the Engineer when materials have been received and inspected. Inspection by the Contractor shall occur upon delivery. If materials are found to have been damaged upon delivery to Contractor, Contractor shall inform vendor and provide photographs of damage, and, if necessary, store the materials at the receiving location. If the materials are damaged after delivery to Contractor but before installation is complete, Contractor shall be responsible for securing replacement materials.

The Contractor shall contact the Engineer within three (3) working days of receipt of the playground timbers to confirm equipment matches what was specified. Original packing slips from each shipment shall be provided to the Engineer.

All installation of playground timbers shall adhere and conform to the installation specifications as provided by the manufacturer, and shall be further inspected by the Playground Construction Inspector following installation. Actual layout of playground timbers shall comply with the dimensions shown on the plans and be confirmed in the field by the Playground Construction Inspector. The playground timbers shall be installed at the correct elevations as specified on the plans. The Contractor shall field confirm playground timber placement does not encroach upon the play equipment fall zones as shown in the attached plans.

The Contractor shall contact the Parks Surveyor throughout installation to verify that playground timbers are installed at the correct horizontal and vertical location.

METHOD OF MEASUREMENT

Playground Timbers shall be measured per each playground timber as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Playground Timbers shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90003 – PLAYGROUND SURFACING - WOOD FIBER MULCH

DESCRIPTION

This item shall include all necessary work, labor and incidentals required to load, transport and distribute playground surfacing wood fiber mulch.

All playground surfacing wood fiber mulch shall be provided by the City of Madison. The playground surfacing wood fiber mulch shall be available at the City of Madison Transfer Station, 121 E. Olin Ave. The transfer station's hours of operation are 7:30 am to 2:30 pm, Monday thru Friday, excluding City holidays. The Contractor shall contact Bill Durkin at the City of Madison Streets Department (phone: 608-266-4911) a minimum of seven (7) working days prior to any anticipated dates of the playground surfacing wood fiber mulch pick up. The Contractor shall provide equipment and labor for loading, trucking and off-loading as needed.

The playground surfacing wood fiber mulch shall be installed to the finished elevations as indicated on the plans. Minimum installed depth of playground surfacing wood fiber mulch is fourteen (14) inches.

Double handling, stockpiling and placing playground surfacing wood fiber mulch shall be incidental to this bid item.

METHOD OF MEASUREMENT

Playground Surfacing - Wood Fiber Mulch shall be measured by the cubic yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Playground Surfacing - Wood Fiber Mulch shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, labor, tools, equipment, and incidentals required to complete the work as set forth in the description.

BID ITEM 90004 – PLAYGROUND SURFACING – PEA GRAVEL

DESCRIPTION

This item shall include all necessary work, labor and incidentals required to load, transport and distribute playground surfacing pea gravel at Wingra Park.

It is estimated that there will be approximately 85.1 cubic yards of pea gravel removed from Wingra Park, which shall be paid for under BID ITEM 20103 – Excavation Cut – Pea Gravel, of which 27 cubic yards shall be placed through this bid item.

Pea gravel shall be installed to the finished elevations as indicated on the plans. Minimum installed depth of pea gravel is fourteen (14) inches.

Double handling, stockpiling and placing pea gravel shall be incidental to this bid item.

METHOD OF MEASUREMENT

Playground Surfacing – Pea Gravel shall be measured by the cubic yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Playground Surfacing – Pea Gravel shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, labor, tools, equipment, and incidentals required to complete the work as set forth in the description.

BID ITEM 90005 – REMOVE EXISTING BENCH

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to remove and dispose of an existing park bench and associated concrete slab.

The removed bench and mounting hardware shall be disposed of at a suitable location determined by the Contractor at no additional cost to the City of Madison.

METHOD OF MEASUREMENT

Remove Existing Bench shall be measured per each individual removed bench as listed in the proposal page.

BASIS OF PAYMENT

Remove Existing Bench shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90006 – RELOCATE EXISTING BENCH

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to remove, store and reinstall the existing memorial bench at Wingra Park.

Relocated bench shall be surface mounted to an 8'x5', 5" thick concrete slab as specified by the manufacturer's installation instructions. Concrete for benches requiring new concrete slabs shall be paid for under BID ITEM 30301 – 5 INCH CONCRETE SIDEWALK.

METHOD OF MEASUREMENT

Relocate Existing Bench shall be measured per each individual removed bench as listed in the proposal page.

BASIS OF PAYMENT

Relocate Existing Bench shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90007 – BACKED BENCH

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to assemble and install KayPark 'Madison' (Part #6BARP) benches, surface mounted at the locations specified on the plans.

All benches will be purchased by the City of Madison and ordered for delivery from the vendors to City of Madison Parks Division's Goodman Maintenance Facility (1402 Wingra Creek Parkway, Madison WI 53715). The Contractor may contact Andy Peters (phone: 608-220-6501) to arrange pick-up of the benches from the facility.

The Contractor shall provide equipment and labor for off-loading, loading and trucking as needed.

All handling and installation shall be according to manufacturer's specifications. The complete installation specifications shall be included in the shipment of equipment from the vendor.

New benches shall be surface mounted to an 8'x5', 5" thick concrete slab as specified by the manufacturer's installation instructions. Concrete for benches requiring new concrete slabs shall be paid for under BID ITEM 30301 – 5 INCH CONCRETE SIDEWALK.

METHOD OF MEASUREMENT

Install Backed Bench shall be measured per each individual installed bench as listed in the proposal page.

BASIS OF PAYMENT

Install Backed Bench shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90008 – GRANITE BOULDER 36" X 36" X 36"

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to install granite boulders in accordance with these plans and specifications. The boulders shall be glacially tumbled, natural fieldstone of the approximate dimensions listed. The boulders shall not have significant sharp or jagged edges and shall be free of mud and debris.

The Contractor shall coordinate a site visit with the Engineer to the Contractor's designated supplier to review the proposed boulders prior to delivery. If the Contractor delivers boulders to the site without preapproval by the Engineer, the Contractor shall be responsible for their replacement per the direction of the Engineer at no additional cost to the City

The Contractor shall coordinate the placement of the boulders with an on-site meeting with the Engineer. The Contractor shall provide 48 hrs. notice to the Engineer prior to the requested meeting date. At the site meeting, each boulder location will be staked and a particular boulder assigned to that location. Contact Sarah Lerner at (608) 261-4281 to schedule.

Boulders shall be placed prior to the installation of playground surfacing and shall be placed directly on the subgrade geotextile fabric. The boulders shall be placed with the predominately flat face down or per the direction of the Engineer.

If the Contractor installs boulders without preapproval of the staking by the Engineer, the Contractor shall be responsible for any necessary adjustments per the direction of the Engineer at not additional cost to the City.

METHOD OF MEASUREMENT

Granite Boulder 36" x 36" x 36" shall be measured per each boulder as listed in the proposal page.

BASIS OF PAYMENT

Granite Boulder 36" x 36" x 36" shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90009 – NATURAL WOOD LOG

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to install City of Madison provided logs in accordance with these plans and specifications.

Natural wood logs shall be provided by the City and delivered to the project site. The logs will range in size from approximately 8 to 12 feet long and approximately 24 to 36 inches in diameter. The logs will be delivered to a location in the park adjacent to an existing asphalt path. The Contractor shall be responsible for transporting the logs to the playground from the delivery location.

The Contractor shall coordinate the placement of the logs with an on-site meeting with the Engineer. This meeting shall coincide with the boulder staking meeting if applicable. The Contractor shall provide 48 hrs

notice to the Engineer prior to the requested meeting date. At the site meeting, each log location will be staked and a particular log assigned to that location.

The logs shall be placed on top of the installed playground surfacing and per the direction of the Engineer.

METHOD OF MEASUREMENT

Install Natural Wood Log shall be measured per each log as listed in the proposal page.

BASIS OF PAYMENT

Install Natural Wood Log shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90010 – ORNAMENTAL METAL FENCE

DESCRIPTION

Work includes all labor, materials and equipment necessary **to furnish and install** decorative metal picket fencing per details and as shown on the plans. All fittings, fasteners, concrete footings, and miscellaneous related items shall be incidental to this item.

Basis of design for this fence is Ameristar Montage II, or approved equal. Proposed equivalents must be submitted to the Engineer for approval one week prior to bid.

METHOD OF MEASUREMENT

Ornamental Metal Fence shall be measured as listed in the proposal page, acceptably completed at the contract unit listed under basis of payment acceptably complete.

BASIS OF PAYMENT

Ornamental Metal Fence shall be paid for at the contract price per linear foot and shall be full compensation for furnishing and installing all materials including concrete footings, hardware, and for all labor, equipment, tools and incidentals necessary to complete this item of work.

END OF SPECIAL PROVISIONS



Madison Parks Division

210 Martin Luther King, Jr. Blvd., Room 104
Madison, WI 53703
608-266-4711 • cityofmadison.com/parks



April 20, 2020

NOTICE OF ADDENDUM ADDENDUM 1

CONTRACT NO. 8849

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

PROPOSAL PAGE

- CHANGE THE QUANTITIES FOR BID ITEM 20140 FOR EAGLE TRACE AND WINGRA PARK PLAYGROUND TO THE QUANTITIES LISTED IN BID EXPRESS.

EAGLE TRACE PARK PLAYGROUND

ITEM	TYPE OF WORK
20140	GEOTEXTILE FABRIC TYPE SAS NON WOVEN

WINGRA PARK PLAYGROUND

ITEM	TYPE OF WORK
20140	GEOTEXTILE FABRIC TYPE SAS NON WOVEN


Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Sincerely,



Eric Knepp, Parks Superintendent

SECTION E: BIDDERS ACKNOWLEDGEMENT

2020 PLAYGROUND IMPROVEMENTS – GROUP 1

CONTRACT NO. 8849

Bidder must state a Unit Price and Total Bid for each item. The Total Bid for each item must be the product of quantity, by Unit Price. The Grand Total must be the sum of the Total Bids for the various items. In case of multiplication errors or addition errors, the Grand Total with corrected multiplication and/or addition shall determine the Grand Total bid for each contract. The Unit Price and Total Bid must be entered numerically in the spaces provided. All words and numbers shall be written in ink.

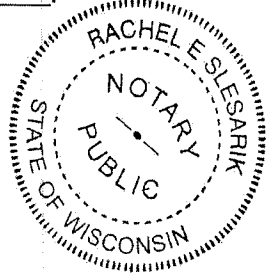
- The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2020 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda to the Contract Nos. 1 through 1 issued thereto, at the prices for said work as contained in this proposal. (Electronic bids submittals shall acknowledge addendum under Section E and shall not acknowledge here)
- If awarded the Contract, we will initiate action within seven (7) days after notification or in accordance with the date specified in the contract to begin work and will proceed with diligence to bring the project to full completion within the number of work days allowed in the Contract or by the calendar date stated in the Contract.
- The undersigned Bidder or Contractor certifies that he/she is not a party to any contract, combination in form of trust or otherwise, or conspiracy in restraint of trade or commerce or any other violation of the anti-trust laws of the State of Wisconsin or of the United States, with respect to this bid or contract or otherwise.
- I hereby certify that I have met the Bid Bond Requirements as specified in Section 102.5. (IF BID BOND IS USED, IT SHALL BE SUBMITTED ON THE FORMS PROVIDED BY THE CITY. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID).
- I hereby certify that all statements herein are made on behalf of Madison Commercial Landscapes (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of WISCONSIN a partnership consisting of Note Amble; an individual trading as President; of the City of Madison State of Wisconsin; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

Sheena Amble
SIGNATURE Sheena Amble

CHO
TITLE, IF ANY Sheena Amble CHO

Sworn and subscribed to before me this 20 day of April, 2020.

[Signature]
(Notary Public or other officer authorized to administer oaths)
My Commission Expires May 16, 2021
Bidders shall not add any conditions or qualifying statements to this Proposal.



Contract 8849 – Madison Commercial Landscapes Inc.

Section F: Best Value Contracting (BVC)

This section is a required document for the bid to be considered complete. There are two methods for completing the Best Value Contracting (BVC) form. Method one: The form can be filled out online and submitted to this site to be included with your electronic bid. Method two: The form can be downloaded from the site and submitted by hand to the City of Madison.

Method of Submittal for BVC (click in box below to choose) *

I will submit Bid Express fillable online form (BVC).

Best Value Contracting

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.
playground installer/ landscaper

2. Madison General Ordinance (M.G.O.), 33.07(7), does provide for some exemptions from the active apprentice requirement. Apprenticeable trades are those trades considered apprenticeable by the State of Wisconsin. Please check applicable box if you are seeking an exemption.

- Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.
- No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.
- Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.
- First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.
- Contractor has been in business less than one year.
- Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.
- An exemption is granted in accordance with a time period of a "Documented Depression" as defined by the State of Wisconsin.

3. The Contractor shall indicate on the following section which apprenticeable trades are to be used on this contract. Compliance with active apprenticeship, to the extent required by M.G.O. 33.07(7), shall be satisfied by documentation from an applicable trade training body; an apprenticeship contract with the Wisconsin Department of Workforce Development or a similar agency in another state; or the U.S Department of

Labor. This documentation is required prior to the Contractor beginning work on the project site.

The Contractor has reviewed the list and shall not use any apprenticeable trades on this project.

LIST APPRENTICABLE TRADES (check all that apply to your work to be performed on this contract)

- BRICKLAYER
- CARPENTER
- CEMENT MASON / CONCRETE FINISHER
- CEMENT MASON (HEAVY HIGHWAY)
- CONSTRUCTION CRAFT LABORER
- DATA COMMUNICATION INSTALLER
- ELECTRICIAN
- ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC
INSTALL / SERVICE
- GLAZIER
- HEAVY EQUIPMENT OPERATOR / OPERATING ENGINEER
- INSULATION WORKER (HEAT and FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER and DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER and WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER and FINISHER
- TELECOMMUNICATIONS (VOICE, DATA and VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

CONTRACT NO. 8849

Small Business Enterprise Compliance Report

This information may be submitted electronically through Bid Express or submitted with bid in sealed envelope.

Cover Sheet

Prime Bidder Information

Company:	Madison Commercial Landscapes inc
Address:	1871 hwy MM fitchburg wi 53575
Telephone Number:	608.835.7700
Fax Number:	608.835.7987
Contact Person/Title:	Nate Amble

Prime Bidder Certification

Name:	Nate Amble
Title:	president
Company:	Madison Commercial Landscapes inc


I certify that the information contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.



Witness' Signature

4/20/20

Date


Bidder's Signature

CONTRACT NO. 8849

Small Business Enterprise Compliance Report

Summary Sheet

SBE Subcontractors Who Are NOT Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
madison commercial landscapes inc	playground install/landscaping	92 %
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		_____ %

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
		%
		%
		%
		%
		%

Subtotal Contractors who are suppliers: _____ % x 0.6 = _____ % (discounted to 60%)

Total Percentage of SBE Utilization: 92 _____ %.

2020 PLAYGROUND IMPROVEMENTS - GROUP 1

CONTRACT NO. 8849
DATE: 4/23/20

**Madison Commercial
Landscapes Inc.**

Item	Quantity	Price	Extension
Section B: Proposal Page - Eagle Trace			
10911.0 - MOBILIZATION - LS	1.00	\$8,000.00	\$8,000.00
20101.0 - EXCAVATION CUT - CY	152.00	\$24.00	\$3,648.00
20202.0 - FILL BORROW - CY	19.00	\$35.00	\$665.00
20130.0 - UNDERDRAIN - LF	272.60	\$12.00	\$3,271.20
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	442.80	\$3.00	\$1,328.40
20217.0 - CLEAR STONE - TON	37.00	\$25.00	\$925.00
20221.0 - TOPSOIL - SY	346.00	\$7.50	\$2,595.00
20701.0 - TERRACE SEEDING - SY	346.00	\$2.00	\$692.00
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$350.00	\$350.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	437.00	\$8.00	\$3,496.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	346.00	\$3.00	\$1,038.00
30301.0 - 5 INCH CONCRETE SIDEWALK - SF	80.00	\$18.00	\$1,440.00
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	508.00	\$2.00	\$1,016.00
90001.0 - PLAYGROUND EQUIPMENT - LS	1.00	\$7,900.00	\$7,900.00
90002.0 - PLAYGROUND TIMBERS - EA	57.00	\$15.00	\$855.00
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	178.00	\$17.00	\$3,026.00
90007.0 - INSTALL BACKED BENCH - EA	2.00	\$150.00	\$300.00
90008.0 - GRANITE BOULDER 36"X36"X36" - EA	3.00	\$1,300.00	\$3,900.00
90009.0 - NATURAL WOOD LOG - EA	1.00	\$200.00	\$200.00
Subtotals			\$44,645.60
Section B: Proposal Page - Hillington Green			
10803.0 - ROOT CUTTING - EA	2.00	\$25.00	\$50.00
10911.0 - MOBILIZATION - LS	1.00	\$5,000.00	\$5,000.00
20101.0 - EXCAVATION CUT - CY	46.00	\$25.00	\$1,150.00
20104.0 - EXCAVATION CUT - PEA GRAVEL/RUBBER MIX - CY	83.00	\$34.00	\$2,822.00
20130.0 - UNDERDRAIN - LF	77.00	\$12.00	\$924.00
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	147.00	\$3.00	\$441.00
20202.0 - FILL BORROW - CY	30.00	\$45.00	\$1,350.00
20217.0 - CLEAR STONE - TON	37.00	\$24.00	\$888.00
20221.0 - TOPSOIL - SY	164.00	\$7.50	\$1,230.00
20404.0 - CLEARING - LS - LS	1.00	\$600.00	\$600.00
20409.0 - GRUBBING - LS - LS	1.00	\$600.00	\$600.00
20701.0 - TERRACE SEEDING - SY	164.00	\$2.00	\$328.00
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$350.00	\$350.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	150.00	\$8.00	\$1,200.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	164.00	\$3.00	\$492.00
30301.0 - 5 INCH CONCRETE SIDEWALK - SF	40.00	\$18.00	\$720.00
40102.0 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 - TON	1.00	\$150.00	\$150.00
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	450.00	\$2.00	\$900.00
90001.0 - PLAYGROUND EQUIPMENT - LS	1.00	\$7,900.00	\$7,900.00
90002.0 - PLAYGROUND TIMBERS - EA	33.00	\$15.00	\$495.00
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	68.00	\$17.00	\$1,156.00
90005.0 - REMOVE EXISTING BENCH - EA	1.00	\$200.00	\$200.00
90007.0 - INSTALL BACKED BENCH - EA	1.00	\$150.00	\$150.00
90008.0 - GRANITE BOULDER 36"X36"X36" - EA	3.00	\$1,300.00	\$3,900.00

2020 PLAYGROUND IMPROVEMENTS - GROUP 1

CONTRACT NO. 8849

DATE: 4/23/20

**Madison Commercial
Landscapes Inc.**

Item	Quantity	Price	Extension
90009.0 - NATURAL WOOD LOG - EA	1.00	\$200.00	\$200.00
90010.0 - ORNAMENTAL METAL FENCE - LF	108.00	\$115.00	\$12,420.00
Subtotals			\$12,620.00
Section B: Proposal Page - Wingra Park			
10803.0 - ROOT CUTTING - EA	5.00	\$25.00	\$125.00
10911.0 - MOBILIZATION - LS	1.00	\$5,000.00	\$5,000.00
20101.0 - EXCAVATION CUT - CY	65.00	\$24.00	\$1,560.00
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	151.00	\$24.00	\$3,624.00
20130.0 - UNDERDRAIN - LF	260.00	\$12.00	\$3,120.00
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	426.20	\$3.00	\$1,278.60
20202.0 - FILL BORROW - CY	72.00	\$25.00	\$1,800.00
20217.0 - CLEAR STONE - TON	37.00	\$24.00	\$888.00
20221.0 - TOPSOIL - SY	281.00	\$7.00	\$1,967.00
20303.0 - SAWCUT ASPHALT PAVEMENT - LF	8.00	\$22.00	\$176.00
20701.0 - TERRACE SEEDING - SY	281.00	\$2.00	\$562.00
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$350.00	\$350.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	210.00	\$7.00	\$1,470.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	281.00	\$3.00	\$843.00
30301.0 - 5 INCH CONCRETE SIDEWALK - SF	80.00	\$18.00	\$1,440.00
40102.0 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 - TON	6.00	\$25.00	\$150.00
40202.0 - HMA PAVEMENT 4 LT 58-28 S - TON	2.30	\$1,200.00	\$2,760.00
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	658.00	\$2.00	\$1,316.00
90001.0 - PLAYGROUND EQUIPMENT - LS	1.00	\$9,000.00	\$9,000.00
90002.0 - PLAYGROUND TIMBERS - EA	77.00	\$15.00	\$1,155.00
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	164.00	\$17.00	\$2,788.00
90004.0 - PLAYGROUND SURFACING - PEA GRAVEL - CY	27.00	\$22.00	\$594.00
90005.0 - REMOVE EXISTING BENCH - EA	1.00	\$250.00	\$250.00
90006.0 - RELOCATE EXISTING BENCH - EA	1.00	\$150.00	\$150.00
90007.0 - INSTALL BACKED BENCH - EA	1.00	\$150.00	\$150.00
90009.0 - NATURAL WOOD LOG - EA	1.00	\$200.00	\$200.00
Subtotals			\$42,716.60
71 Items	Totals		\$132,978.20

SECTION G: BID BOND

LET ALL KNOW BY THESE DOCUMENTS PRESENTED, THAT Principal and Surety, as identified below, are held and firmly bound unto the City of Madison, (hereinafter referred to as the "Obligee"), in the sum of five per cent (5%) of the amount of the total bid or bids of the Principal herein accepted by the Obligee, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that, whereas the Principal has submitted, to the City of Madison a certain bid, including the related alternate, and substitute bids attached hereto and hereby made a part hereof, to enter into a contract in writing for the construction of:

**2020 PLAYGROUND IMPROVEMENTS - GROUP 1
CONTRACT NO. 8849**

1. If said bid is rejected by the Obligee, then this obligation shall be void.
2. If said bid is accepted by the Obligee and the Principal shall execute and deliver a contract in the form specified by the Obligee (properly completed in accordance with said bid) and shall furnish a bond for his/her faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

If said bid is accepted by the Obligee and the Principal shall fail to execute and deliver the contract and the performance and payment bond noted in 2. above executed by this Surety, or other Surety approved by the City of Madison, all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to forfeit to the Obligee as liquidated damages the sum mentioned above, it being understood that the liability of the Surety for any and all claims hereunder shall in no event exceed the sum of this obligation as stated, and it is further understood that the Principal and Surety reserve the right to recover from the Obligee that portion of the forfeited sum which exceed the actual liquidated damages incurred by the Obligee.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by an extension of the time within which the Obligee may accept such bid, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

Seal PRINCIPAL

Madison Commercial Landscapes Inc.

Name of Principal

By

Wade Amble President

Name and Title

Date

4/20/2020

Seal SURETY

WESTERN SURETY COMPANY

Name of Surety

Patricia K Wiancki

By

PATRICIA K WIANECKI, Attorney-in-Fact

Name and Title

Date

April 23, 2020

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Provider No. 6519852 for the year 2020, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

Date

4/23/20

Agent Signature

Patricia K Wiancki

P. O. BOX 620067

Address

MIDDLETON, WI 53562-0067

City, State and Zip Code

608-831-3168

Telephone Number



NOTE TO SURETY & PRINCIPAL

The bid submitted which this bond guarantees shall be rejected if the following instrument is not attached to this bond:

Power of Attorney showing that the agent of Surety is currently authorized to execute bonds on behalf of the Surety, and in the amounts referenced above.

Western Surety Company

POWER OF ATTORNEY - CERTIFIED COPY

Bond No. 65042065

Know All Men By These Presents, that WESTERN SURETY COMPANY, a corporation duly organized and existing under the laws of the State of South Dakota, and having its principal office in Sioux Falls, South Dakota (the "Company"), does by these presents make, constitute and appoint Patricia K Wianecki

its true and lawful attorney(s)-in-fact, with full power and authority hereby conferred, to execute, acknowledge and deliver for and on its behalf as Surety, bonds for:

Principal: Madison Commercial Landscapes Inc.

Obligee: City of Madison

Amount: \$1,000,000.00

and to bind the Company thereby as fully and to the same extent as if such bonds were signed by the Vice President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said attorney(s)-in-fact may do within the above stated limitations. Said appointment is made under and by authority of the following bylaw of Western Surety Company which remains in full force and effect.

"Section 7. All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

If Bond No. 65042065 is not issued on or before midnight of July 22nd, 2020, all authority conferred in this Power of Attorney shall expire and terminate.

In Witness Whereof, Western Surety Company has caused these presents to be signed by its Vice President, Paul T. Bruflat, and its corporate seal to be affixed this 23rd day of April, 2020.

STATE OF SOUTH DAKOTA }
COUNTY OF MINNEHAHA } ss

WESTERN SURETY COMPANY
Paul T. Bruflat
Paul T. Bruflat, Vice President

On this 23rd day of April, in the year 2020, before me, a notary public, personally appeared Paul T. Bruflat, who being to me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of WESTERN SURETY COMPANY and acknowledged said instrument to be the voluntary act and deed of said corporation.

J. MOHR
NOTARY PUBLIC
SOUTH DAKOTA

J. Mohr
Notary Public - South Dakota

My Commission Expires June 23, 2021

I the undersigned officer of Western Surety Company, a stock corporation of the State of South Dakota, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable, and furthermore, that Section 7 of the bylaws of the Company as set forth in the Power of Attorney is now in force.

In testimony whereof, I have hereunto set my hand and seal of Western Surety Company this 23rd day of April, 2020.

WESTERN SURETY COMPANY
Paul T. Bruflat
Paul T. Bruflat, Vice President

To validate bond authenticity, go to www.cnasurety.com > Owner/Obligee Services > Validate Bond Coverage.

SECTION H: AGREEMENT

THIS AGREEMENT made this 20 day of May in the year Two Thousand and Twenty between **MADISON COMMERCIAL LANDSCAPES INC.**, hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted **MAY 19, 2020**, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

**2020 PLAYGROUND IMPROVEMENTS – GROUP 1
CONTRACT NO. 8849**

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of **ONE HUNDRED THIRTY-TWO THOUSAND NINE HUNDRED SEVENTY-EIGHT AND 20/100 (\$132,978.20)** Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualification and application procedures and deadlines. The contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established

by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.

2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or ten thousand dollars (\$10,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

5. Substance Abuse Prevention Program Required. Prior to commencing work on the Contract, the Contractor, and any Subcontractor, shall have in place a written program for the prevention of substance abuse among its employees as required under Wis. Stat. Sec. 103.503.
6. **Contractor Hiring Practices.**

Ban the Box - Arrest and Criminal Background Checks. (Sec. 39.08, MGO)

This provision applies to all prime contractors on contracts entered into on or after January 1, 2016, and all subcontractors who are required to meet prequalification requirements under MGO 33.07(7)(I), MGO as of the first time they seek or renew pre-qualification status on or after January 1, 2016. The City will monitor compliance of subcontractors through the pre-qualification process.

- a. **Definitions.** For purposes of this section, "Arrest and Conviction Record" includes, but is not limited to, information indicating that a person has been questioned, apprehended, taken into custody or detention, held for investigation, arrested, charged with, indicted or tried for any felony, misdemeanor or other offense pursuant to any law enforcement or military authority.

"Conviction record" includes, but is not limited to, information indicating that a person has been convicted of a felony, misdemeanor or other offense, placed on probation, fined, imprisoned or paroled pursuant to any law enforcement or military authority.

"Background Check" means the process of checking an applicant's arrest and conviction record, through any means.

- b. **Requirements.** For the duration of this Contract, the Contractor shall:
 1. Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.

2. Refrain from asking an applicant in any manner about their arrest or conviction record until after conditional offer of employment is made to the applicant in question.
3. Refrain from conducting a formal or informal background check or making any other inquiry using any privately or publicly available means of obtaining the arrest or conviction record of an applicant until after a conditional offer of employment is made to the applicant in question.
4. Make information about this ordinance available to applicants and existing employees, and post notices in prominent locations at the workplace with information about the ordinance and complaint procedure using language provided by the City.
5. Comply with all other provisions of Sec. 39.08, MGO.

c. Exemptions: This section shall not apply when:

1. Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
2. Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise be prohibited by this ordinance, including a licensed trade or profession where the licensing authority explicitly authorizes or requires the inquiry in question.

To be exempt, Contractor has the burden of demonstrating that there is an applicable law or regulation that requires the hiring practice in question, if so, the contractor is exempt from all of the requirements of this ordinance for the position(s) in question.

2020 PLAYGROUND IMPROVEMENTS – GROUP 1
 CONTRACT NO. 8849

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.

Countersigned:

MADISON COMMERCIAL LANDSCAPES INC.

[Signature] 5-11-20
 Witness Date

[Signature] 5-11-20
 Witness Date

Company Name
[Signature] 5-11-20
 President Date

[Signature] 5-11-20
 Secretary Date
 Treasurer

CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

[Signature]
 Finance Director

[Signature]
 City Attorney

Signed this 9th day of June, 20 20
[Signature] 6-9-20
 Witness

[Signature] 6/9/2020
 Mayor Date

[Signature]
 Witness

[Signature] 6/13/2020
 City Clerk Date

SECTION I: PAYMENT AND PERFORMANCE BOND

LET ALL KNOW BY THESE DOCUMENTS PRESENTED, that we **MADISON COMMERCIAL LANDSCAPES INC.** as principal, and WESTERN SURETY COMPANY Company of Chicago, IL as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **ONE HUNDRED THIRTY-TWO THOUSAND NINE HUNDRED SEVENTY-EIGHT AND 20/100 (\$132,978.20)** Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully perform all of the terms of the Contract entered into between him/herself and the City of Madison for the construction of:

2020 PLAYGROUND IMPROVEMENTS – GROUP 1
CONTRACT NO. 8849

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation (under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is to be void, otherwise of full force, virtue and effect.

Signed and sealed this 20th day of May, 2020

Countersigned:

[Signature]
Witness

[Signature]
Secretary

MADISON COMMERCIAL LANDSCAPES INC.
Company Name (Principal)

[Signature]
President Seal

Approved as to form:

Michael Hany
City Attorney

WESTERN SURETY COMPANY

Surety
 Salary Employee Commission

By Patricia K Wianacki
Attorney-in-Fact



This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 6512852 for the year 2020 and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

5/20/20
Date

Patricia K Wianacki
Agent Signature

Western Surety Company

POWER OF ATTORNEY - CERTIFIED COPY

Bond No. 65065318

Know All Men By These Presents, that WESTERN SURETY COMPANY, a corporation duly organized and existing under the laws of the State of South Dakota, and having its principal office in Sioux Falls, South Dakota (the "Company"), does by these presents make, constitute and appoint Patricia K. Wiannecki

its true and lawful attorney(s)-in-fact, with full power and authority hereby conferred, to execute, acknowledge and deliver for and on its behalf as Surety, bonds for:

Principal: Madison Commercial Landscapes Inc.

Obligee: City of Madison

Amount: \$1,000,000.00

and to bind the Company thereby as fully and to the same extent as if such bonds were signed by the Vice President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said attorney(s)-in-fact may do within the above stated limitations. Said appointment is made under and by authority of the following bylaw of Western Surety Company which remains in full force and effect.

"Section 7. All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

If Bond No. 65065318 is not issued on or before midnight of November 1, 2020, all authority conferred in this Power of Attorney shall expire and terminate.

In Witness Whereof, Western Surety Company has caused these presents to be signed by its Vice President, Paul T. Bruflat, and its corporate seal to be affixed this 20th day of May, 2020.

WESTERN SURETY COMPANY
STATE OF SOUTH DAKOTA
COUNTY OF MINNEAPHA

} ss

WESTERN SURETY COMPANY
Paul T. Bruflat
Paul T. Bruflat, Vice President

On this 20th day of May, in the year 2020, before me, a notary public, personally appeared Paul T. Bruflat, who being to me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of WESTERN SURETY COMPANY and acknowledged said instrument to be the voluntary act and deed of said corporation.



J. Mohr
Notary Public - South Dakota

My Commission Expires June 23, 2021

I the undersigned officer of Western Surety Company, a stock corporation of the State of South Dakota, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable, and furthermore, that Section 7 of the bylaws of the Company as set forth in the Power of Attorney is now in force.

In testimony whereof, I have hereunto set my hand and seal of Western Surety Company this 20th day of May, 2020.

WESTERN SURETY COMPANY
Paul T. Bruflat
Paul T. Bruflat, Vice President

To validate bond authenticity, go to www.cnasurety.com > Owner/Obligee Services > Validate Bond Coverage.

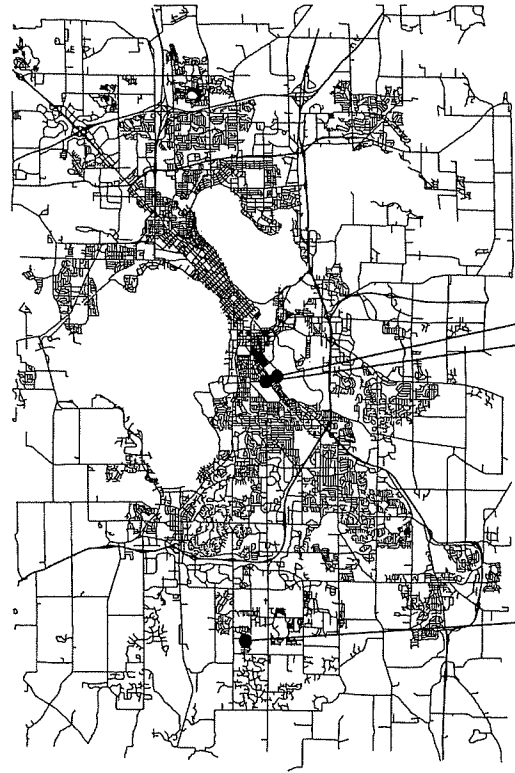
LEGEND

- EX. ELECTRICAL HAND HOLE
- EX. ELECTRICAL PEDESTAL
- EX. TELEPHONE PEDESTAL
- EX. TREE
- EX. WATER HYDRANT
- EX. WATER VALVE
- EX. PROPERTY LINE
- EX. EASEMENT
- EX. FENCE LINE
- EX. TREE LINE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. ABANDONED UTILITY
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. NATURAL GAS
- EX. OVERHEAD LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. CABLE TV
- EX. UNDERGROUND TELEPHONE
- EX. WATER LINE
- EX. GRAVEL
- EX. CONCRETE
- PRO. SPOT ELEVATION
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER)
- PRO. FENCE
- PRO. GRADING LIMITS
- PRO. SILT SOCK
- PRO. CONSTRUCTION FENCE
- PRO. STORM SEWER (UNDERDRAIN)
- PRO. ASPHALT
- PRO. WOOD MULCH
- PRO. PEA GRAVEL
- PRO. CONCRETE
- PRO. CONSTRUCTION ENTRANCE
- PRO. BOULDER RETAINING WALL
- REMOVE EX. ASPHALT
- REMOVE EX. TOPSOIL

SHEET SCHEDULE

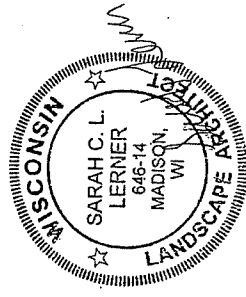
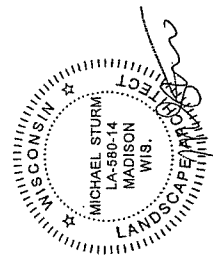
- 1 Eagle Trace Park
 - 1.1 Project Location & Site Access
 - 1.2 Existing Conditions
 - 1.3 Demolition & Protection Plan
 - 1.4 Site Plan
 - 1.5 Grading and Erosion Control Plan
 - 1.6 Design Computations
- 2 Hillington Green Park
 - 2.1 Project Location & Site Access
 - 2.2 Existing Conditions
 - 2.3 Demo & Protection Plan
 - 2.4 Site Plan
 - 2.5 Grading & Erosion Control Plan
 - 2.6 Design Computations
- 3 Wingra Park
 - 3.1 Project Location & Site Access
 - 3.2 Existing Conditions
 - 3.3 Demolition & Protection Plan
 - 3.4 Site Plan
 - 3.5 Grading and Erosion Control Plan
 - 3.6 Design Computations
 - 3.7 Design Computations
- 4 Details
 - 4.1 Details - Playground & Pavement Edge
 - 4.2 Details - Ornamental Metal Fencing

**2020 PLAYGROUND IMPROVEMENTS -
GROUP 1
MUNIS NUMBERS:
11969-51-130 & 12676-51-130**



DESIGNED BY (HILLINGTON GREEN PARK):

DESIGNED BY (EAGLE TRACE & WINGRA PARK):



City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53705



PROJECT:
**2020 PLAYGROUND IMPROVEMENTS -
GROUP 1**

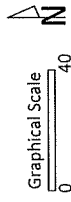
When any office has been used by a contractor and subcontractor must check all details and dimensions of drawings for the same.

ITEM: _____ DATE: 2020-04-07
ADVERTISED TO BID: _____

PUBLIC WORKS PROJECT #: **8849**

SHEET TITLE:
COVER SHEET

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:

2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:

EAGLE TRACE PARK
 10321 WHITE FOX LN
 MADISON, WI 53593

Although every effort has been made in preparing this plan, the City of Madison, its employees, contractors, and subcontractors must check all details and dimensions of the same.

ITEM: _____ DATE: 2020-06-09

ADVERTISED TO BID: _____

PUBLIC WORKS PROJECT #: 8849

SHEET TITLE:

PROJECT LOCATION
 AND SITE ACCESS

SHEET NUMBER:

1.1



NOTES

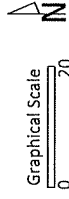
1.) PARK FEATURES SHOWN IN GRAY ARE PROPOSED FEATURES BEING CONSTRUCTED WITH A SEPARATE CONTRACT AND SHALL BE CONSTRUCTED PRIOR TO BUILDING PLAYGROUND.

WHITE FOX LANE

CONSTRUCTION ACCESS FROM
 WHITE FOX LANE

PROPOSED STAGING AREA WITHIN
 CONSTRUCTION FENCE LIMITS

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:

2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:

**EAGLE TRACE PARK
 10321 WHITE FOX LN
 MADISON, WI 53553**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and professional must check all details and dimensions of proposed work for responsibility for the same.

ITEM

ADVERTISED TO BID

DATE

2020-04-09

PUBLIC WORKS PROJECT #:

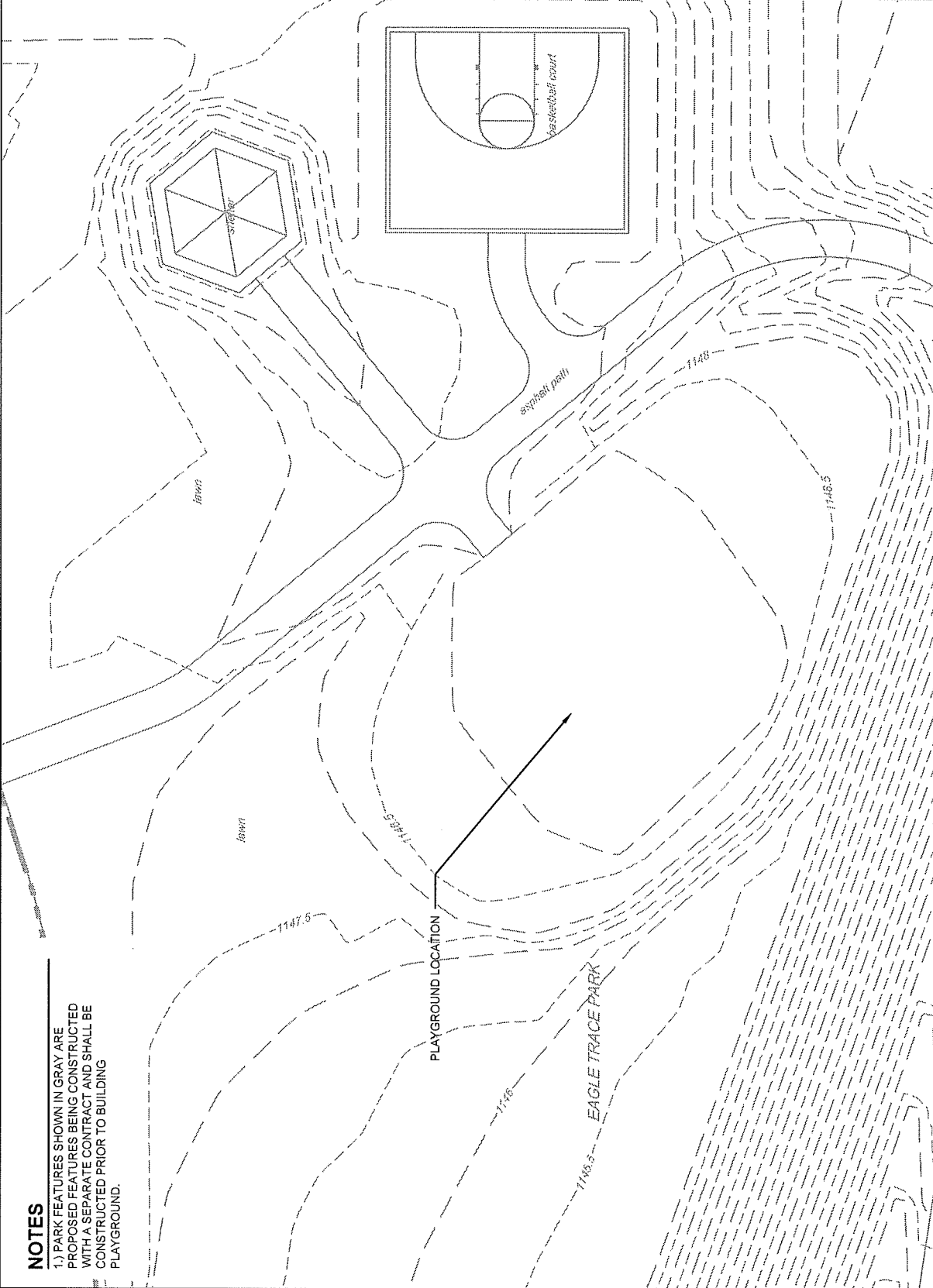
8849

SHEET TITLE:

EXISTING CONDITIONS

SHEET NUMBER:

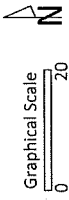
1.2



NOTES

- 1.) PARK FEATURES SHOWN IN GRAY ARE PROPOSED FEATURES BEING CONSTRUCTED WITH A SEPARATE CONTRACT AND SHALL BE CONSTRUCTED PRIOR TO BUILDING PLAYGROUND.

City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703



PROJECT:
2020 PLAYGROUND
IMPROVEMENTS -
GROUP 1

PROJECT ADDRESS:
EAGLE TRACE PARK
10321 WHITE FOX LN
MADISON, WI 53553

Although every effort has been made in preparing this plan, the City of Madison, its employees, contractors, and subcontractors must check all details and dimensions of the work.

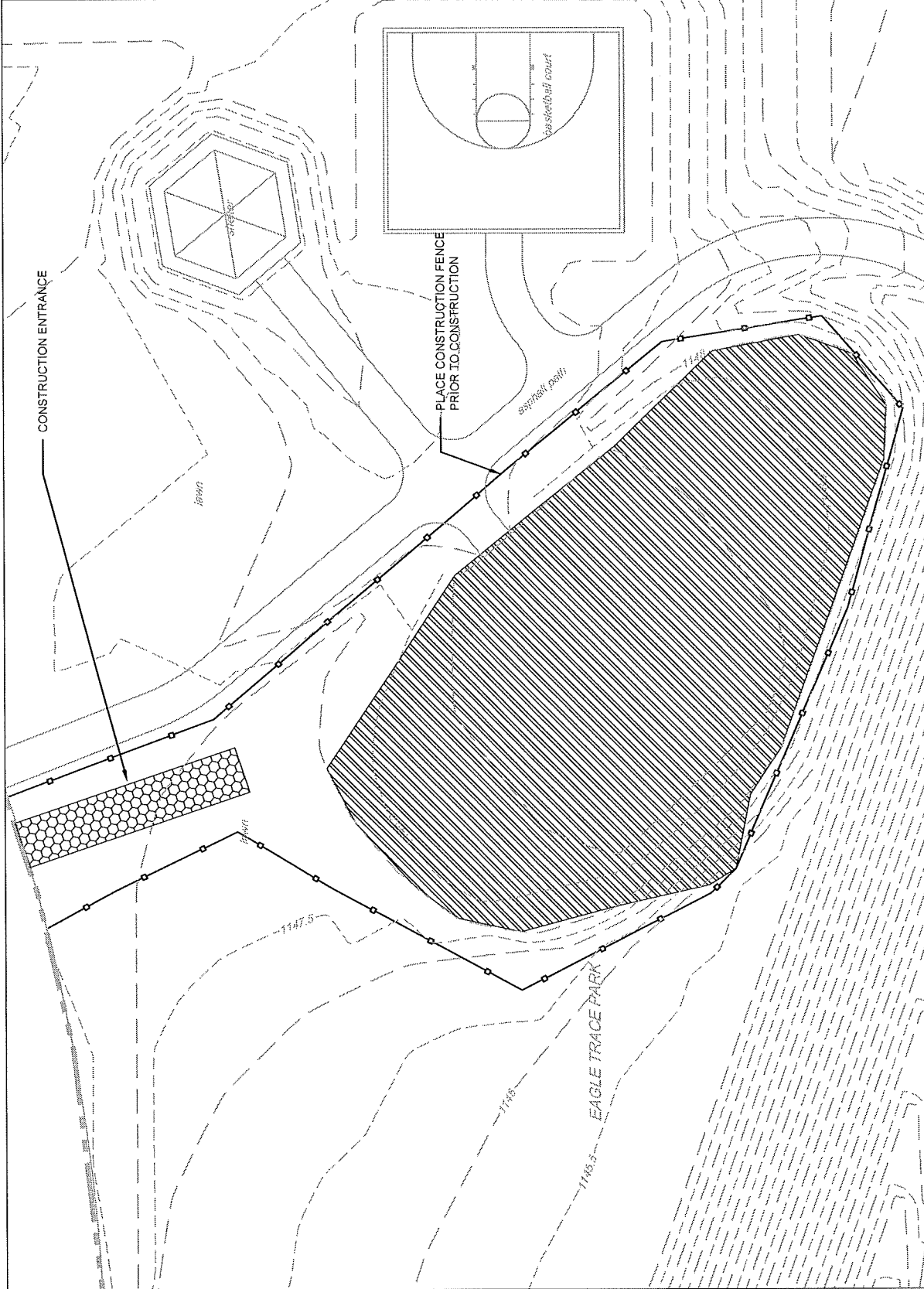
ITEM:
ADVERTISED TO BID

DATE:
2020-04-09

PUBLIC WORKS PROJECT #:
8849

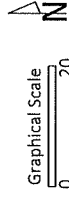
SHEET TITLE:
DEMOLITION AND
PROTECTION PLAN

SHEET NUMBER:
1.3



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53705

play
MADISON
PARKS



PROJECT:

2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:

**EAGLE TRACE PARK
 10321 WHITE FOX LN
 MADISON, WI 53593**

Although every effort has been made to ensure the accuracy of these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of the work to be responsible for the same.

ITEM:

ADVERTISED TO BID:

DATE:

2020-04-29

PUBLIC WORKS PROJECT #:

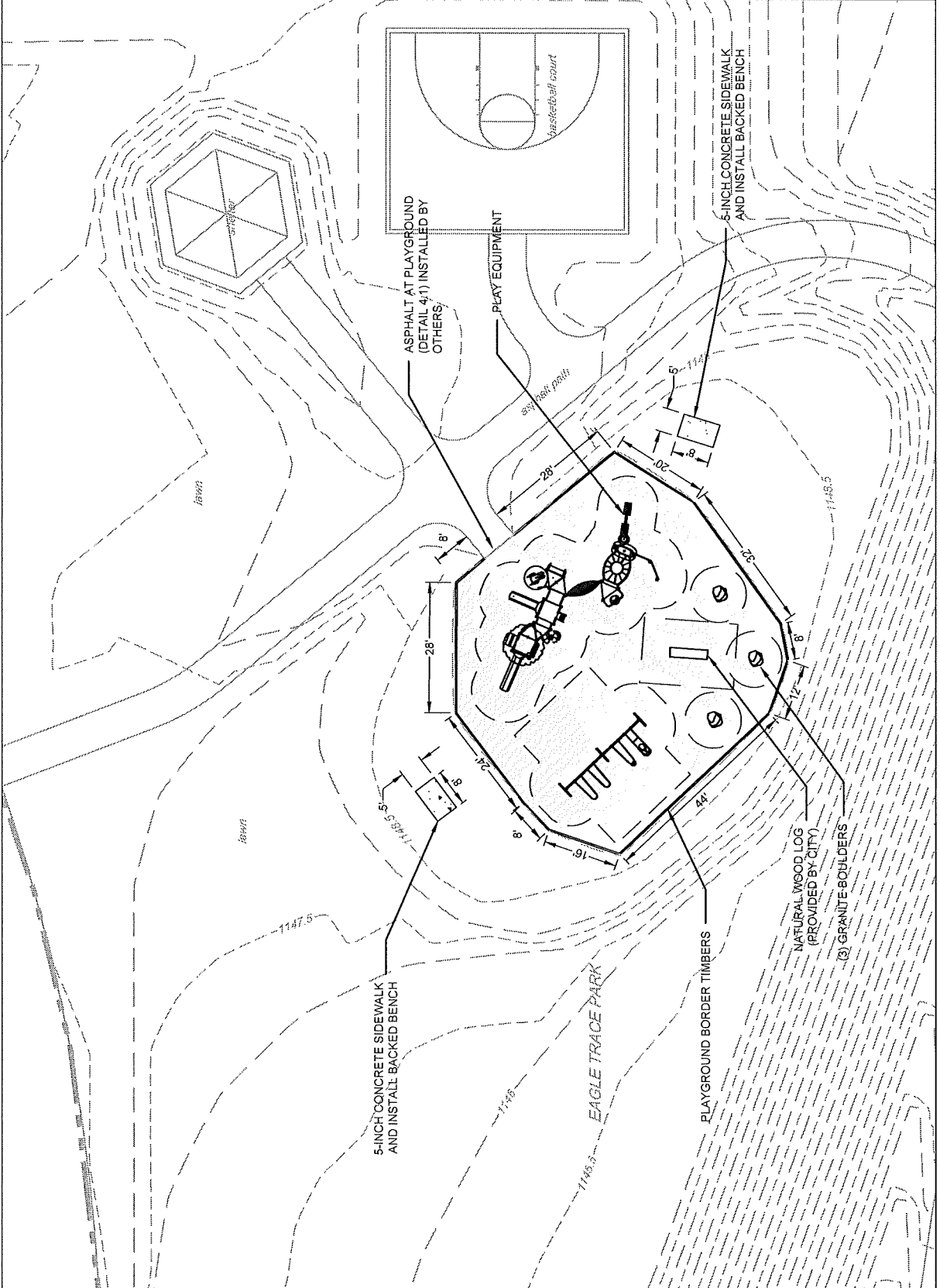
8849

SHEET TITLE:

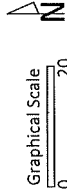
SITE PLAN

SHEET NUMBER:

1.4



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 204
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:
**2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1**

PROJECT ADDRESS:
**EAGLE TRACE PARK
 10321 WHITE FOX LN
 MADISON, WI 53593**

When any project is to be installed by a contractor, the contractor and subcontractor must check all details and dimensions of this plan. The contractor is responsible for the same.

ITEM: _____ DATE: 2020-04-09
 ADVERTISED TO BID: _____

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
**GRADING PLAN AND
 EROSION CONTROL
 PLAN**

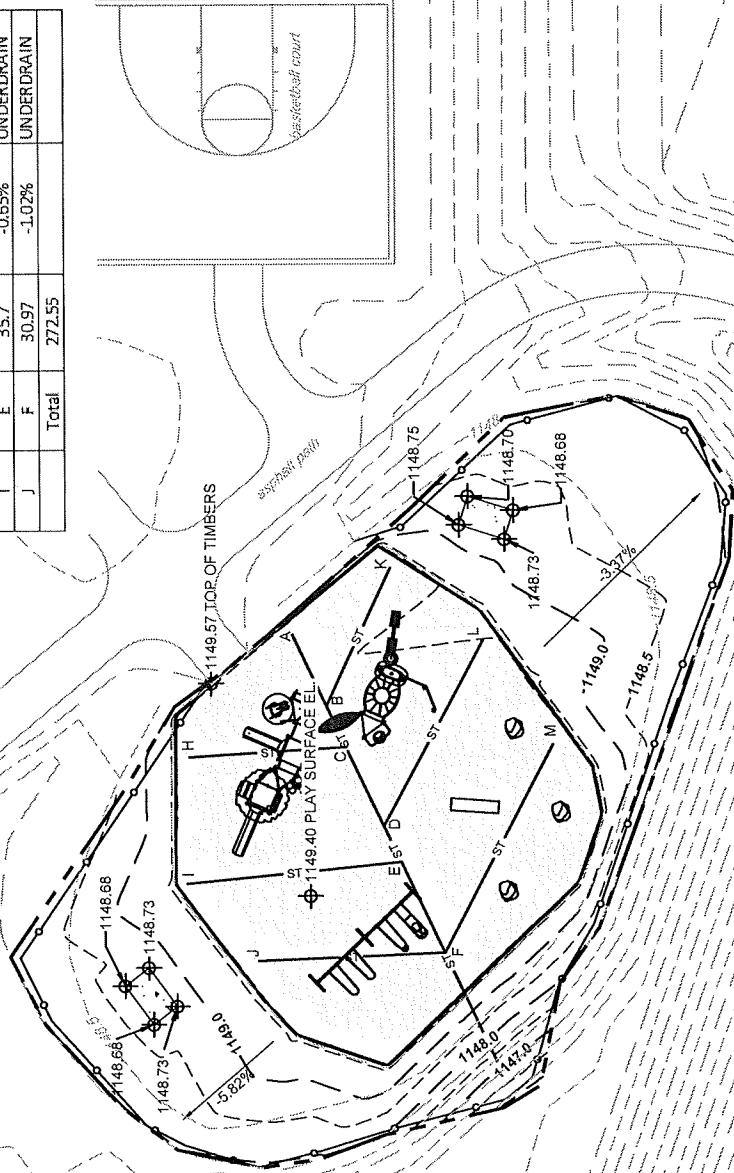
SHEET NUMBER:
1.5

Drain Tile Lengths & Slopes from intersection to intersection				
From	To	Length (ft)	Slope (%)	Pipe type
A	B	13.13	-0.70%	UNDERDRAIN
B	C	6.82	-0.50%	UNDERDRAIN
C	D	14.41	-0.50%	UNDERDRAIN
D	E	6.64	-0.50%	UNDERDRAIN
E	F	16.68	-0.50%	UNDERDRAIN
F	G	23.4	-0.59%	UNDERDRAIN
G	H	25	-0.37%	UNDERDRAIN
H	I	34.9	-0.57%	UNDERDRAIN
I	J	38.85	-0.81%	UNDERDRAIN
J	K	26.05	-0.48%	UNDERDRAIN
K	L	35.7	-0.65%	UNDERDRAIN
L	M	30.97	-1.02%	UNDERDRAIN
M	Total	272.55		

NOTES
 1.) ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING.

Eagle Trace Park	
Point	Invert (ft)
A	1047.52
B	1047.42
C	1047.39
D	1047.32
E	1047.29
F	1047.20
G	1047.06
H	1047.52
I	1047.52
J	1047.52
K	1047.52
L	1047.52
M	1047.52

Eagle Trace Park	
Point	Distance from top of timbers 1049.57 (INCHES)
A	-24.64
B	-25.74
C	-26.15
D	-27.02
E	-27.42
F	-28.42
G	-30.07
H	-24.64
I	-24.64
J	-24.64
K	-24.64
L	-24.64
M	-24.64



Eagle Trace Playground
 City of Madison Public Works Contract
 Date Revised: 3/19/2020

Notes:
 Positive volumes are cuts, negative volumes are fills.
 Not all parts of all surface models (Digital Terrain Models) are used for computations or intended for actual construction.

Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfactored volume (cu ft)	Unfactored volume (cu yd)	Expansion Factor (%)	Factored (Uncompacted) Volume (cu yd)
1.1	Grass to Grass	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	3117.98	0.50	1558.99	57.7	0%	57.7
1.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	3117.98	varies	76.99	2.9	0%	2.9
1.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	3117.98	varies	-960.76	-35.6	0%	-35.6
1.4	Grass to Grass	Topsoil Place	Place 6" topsoil	n/a	n/a	3117.98	-0.50	-1558.99	-57.7	0%	-57.7
2.1	1 inch Concrete	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	80.00	0.50	40.00	1.5	0%	1.5
2.2	1 inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	80.00	varies	0.81	0.0	0%	0.0
2.3	1 inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	80.00	varies	-0.61	0.0	0%	0.0
2.4	1 inch Concrete	Concrete Place	Place 5" of concrete	n/a	n/a	80.00	-0.41	-32.80	-1.2	0%	-1.2
2.5	1 inch Concrete	Gravel Place (Concrete)	Place 3" of gravel	n/a	n/a	80.00	-0.25	-20.00	-0.7	0%	-0.7
3.1	Grass to play surface	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	3988.50	0.50	1994.25	74.0	0%	74.0
3.2	Grass to play surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12 inch	3988.50	varies	385.93	14.3	0%	14.3
3.3	Grass to play surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12 inch	3988.50	varies	-3.15	-0.1	0%	-0.1
3.4	Grass to play surface	Play Surface Place (Wood Mulch)	Place 14" of wood mulch	n/a	n/a	3988.50	-1.17	-4668.25	-172.8	0%	-172.8
4.1	Grass to Timbers	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	76.46	0.50	38.23	1.4	0%	1.4
4.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	76.46	varies	0.00	0.0	0%	0.0
4.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	76.46	varies	-5.11	-0.2	0%	-0.2
4.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Place playground border timbers (placeholder volume to balance volume comp)	n/a	n/a	76.46	-1.00	-76.46	-2.8	0%	-2.8
5.1	Adjust	Play Surface Place	of asphalt ramp gravel base volume = 1/2 x (2.25 ft x 9 ft x 7 in)	n/a	n/a	9	-0.29	-3	-0.1	0%	-0.1

Computation Summary

Positive volumes are cuts (material available), negative volumes are fills (material needed)

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Subsoil Excavate	17.2
Subsoil Place	-35.9
Topsoil Excavate	134.7
Topsoil Place	-57.7
Concrete Place	-1.2
Gravel Place (Concrete)	-0.7
Play Surface Place (Wood Mulch)	-148.1
Border Timbers Place (placeholder volume)	-2.8
Grand Total	-94.7

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	152	CY	= Subsoil Excavate + Topsoil Excavate
20202 Fill - Borrow	19	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	346	SY	= (Topsoil Place)-167
90003 Playground Surfacing - Wood Fiber Mulch	177.7	CY	= Play Surface Place (Wood Mulch * -1.2)

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53705



PROJECT:
 2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:

EAGLE TRACE PARK
 10321 WHITE FOX LN
 MADISON, WI 53593

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all depths and dimensions of the site before being responsible for the same.

ITEM ADVERTISED TO BID DATE 2020-04-09

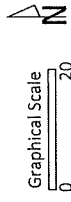
PUBLIC WORKS PROJECT #: 8849

SHEET TITLE: DESIGN COMPUTATIONS

SHEET NUMBER:

1.6

City of Madison
 Department of Public Works
 PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:

2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:

HILLINGTON GREEN
 435 HILLINGTON WAY
 MADISON, WI 53726

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor shall be responsible for the verification of all field conditions and dimensions of their site and be responsible for the same.

ITEM: _____ DATE: _____
 ADVERTISED TO BID: 2020.04.02

PUBLIC WORKS PROJECT #:
 8849

SHEET TITLE:
 PROJECT LOCATION
 AND SITE ACCESS

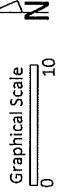
SHEET NUMBER:

2.1



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703

play
MADISON
PARKS



PROJECT:

**2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1**

PROJECT ADDRESS:

**HILLINGTON GREEN
 435 HILLINGTON WAY
 MADISON, WI 53726**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor shall verify all measurements, locations and dimensions of their trade and be responsible for the same.

ITEM

DATE

2020-04-09

ADVERTISED TO BID

PUBLIC WORKS PROJECT #:

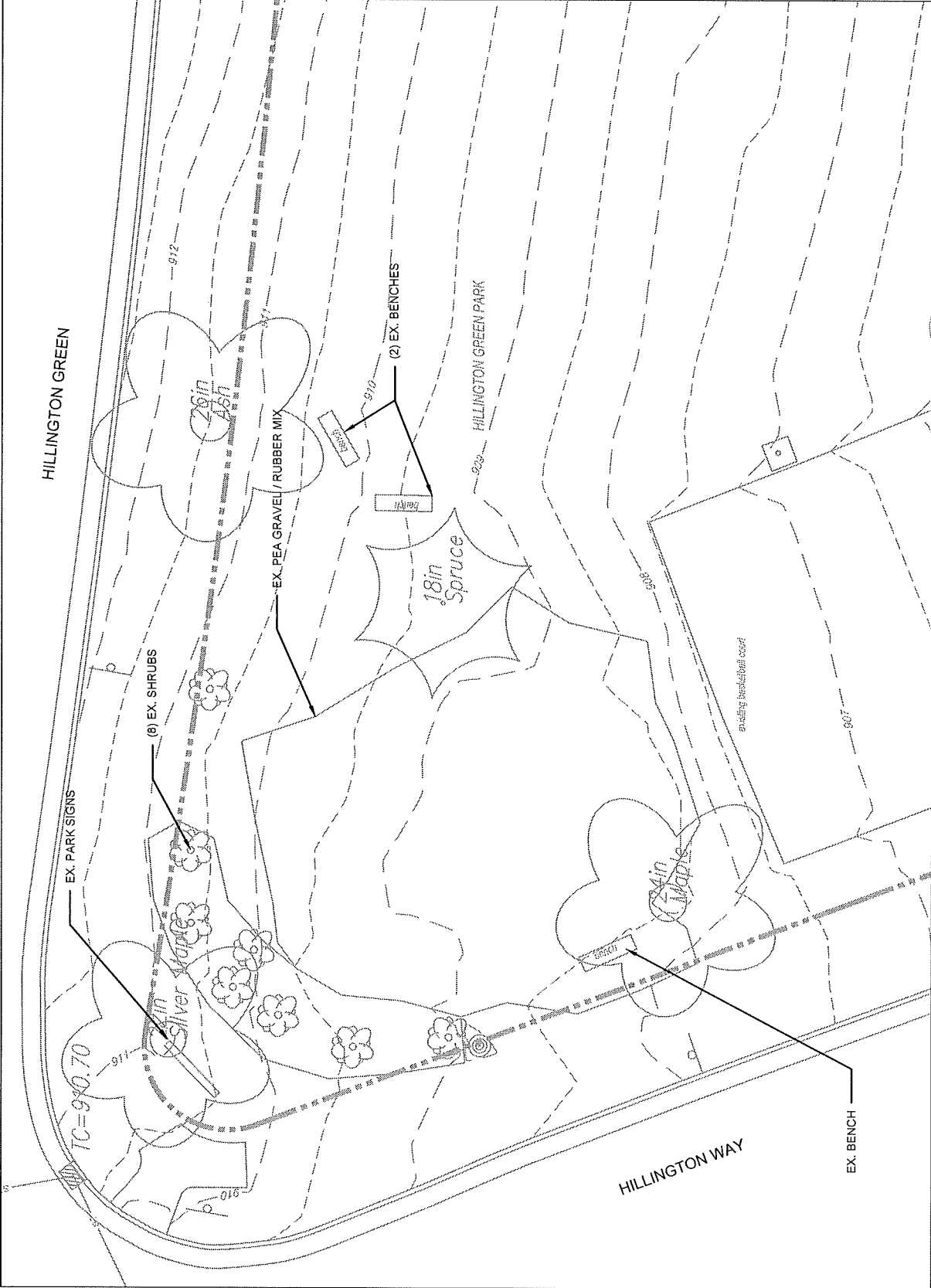
8849

SHEET TITLE

EXISTING CONDITIONS

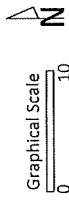
SHEET NUMBER

2.2



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703

play
**MADISON
 PARKS**



PROJECT:

**2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1**

PROJECT ADDRESS:

**HILLINGTON GREEN
 435 HILLINGTON WAY
 MADISON, WI 53726**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor shall verify the location, depth and dimensions of their work and be responsible for the same.

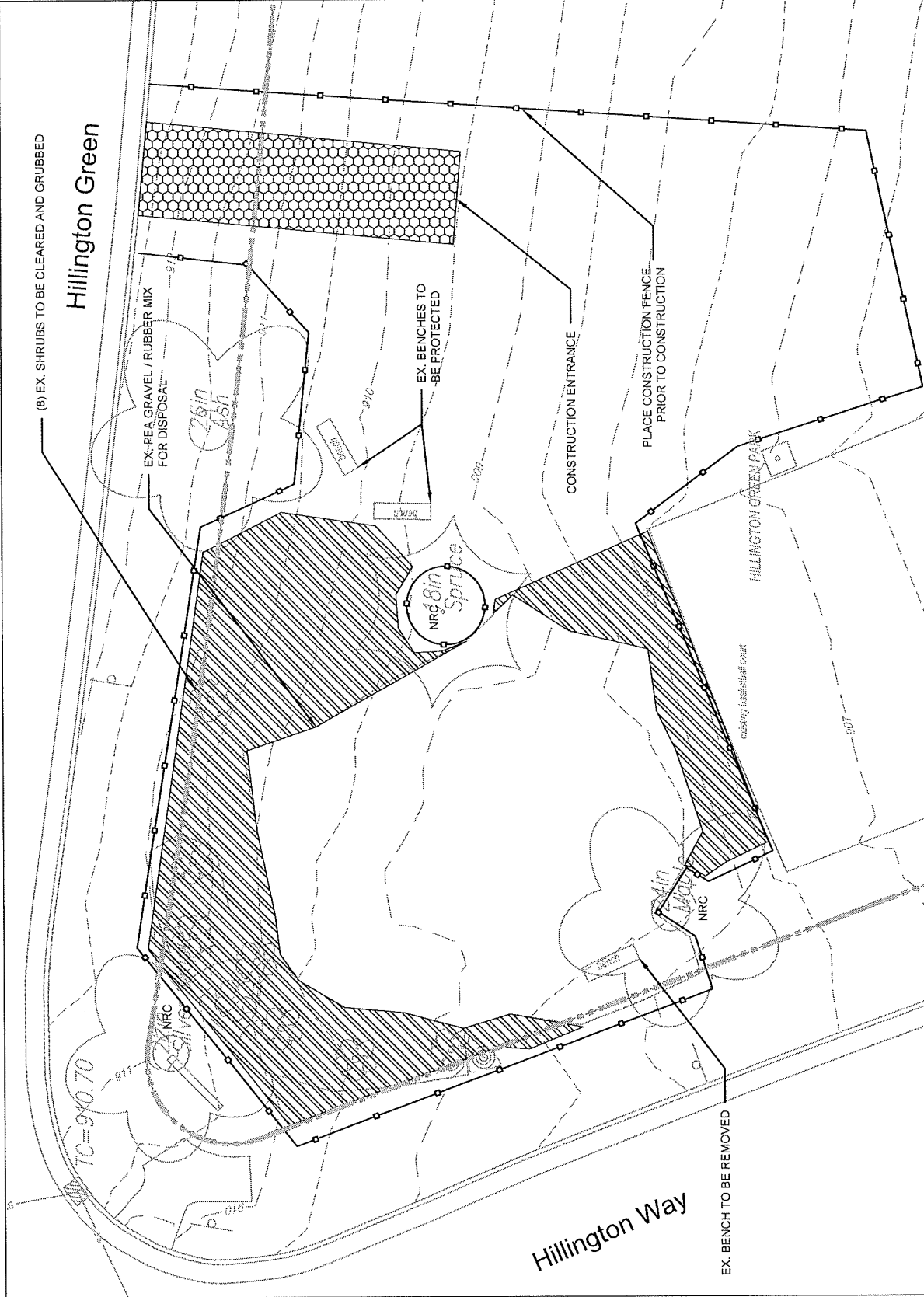
ITEM _____ DATE _____
 ADVERTISED TO BID _____ 2020.06.09

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

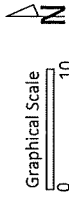
SHEET NUMBER:

2.3



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703

play
MADISON
PARKS



PROJECT:
2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:

**HILLINGTON GREEN
 435 HILLINGTON WAY
 MADISON, WI 53726**

Although every effort has been made to prepare these plans and checking them for accuracy, the contractor and subcontractor must check all details and dimensions of the work to be performed on the same.

ITEM ADVERTISED TO BID: DATE: 2020-04-08

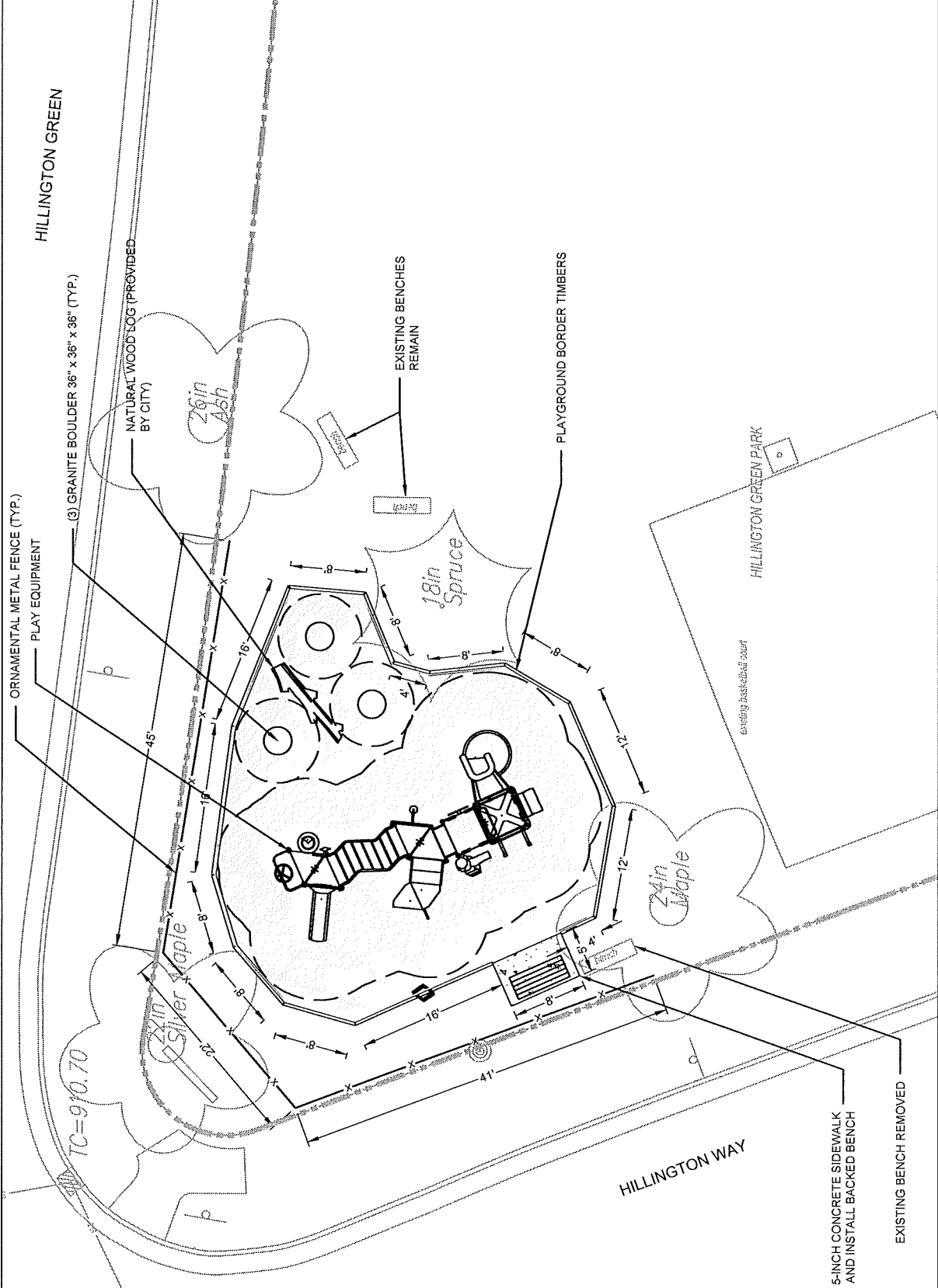
PUBLIC WORKS PROJECT #: **8849**

SHEET TITLE:

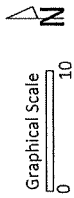
SITE PLAN

SHEET NUMBER:

2.4



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:
2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:
**HILLINGTON GREEN
 435 HILLINGTON WAY
 MADISON, WI 53726**

All work to be done shall be done in accordance with the plans and specifications for the project. The contractor and subcontractor must check all details and dimensions of the work to be done before the start of the work.

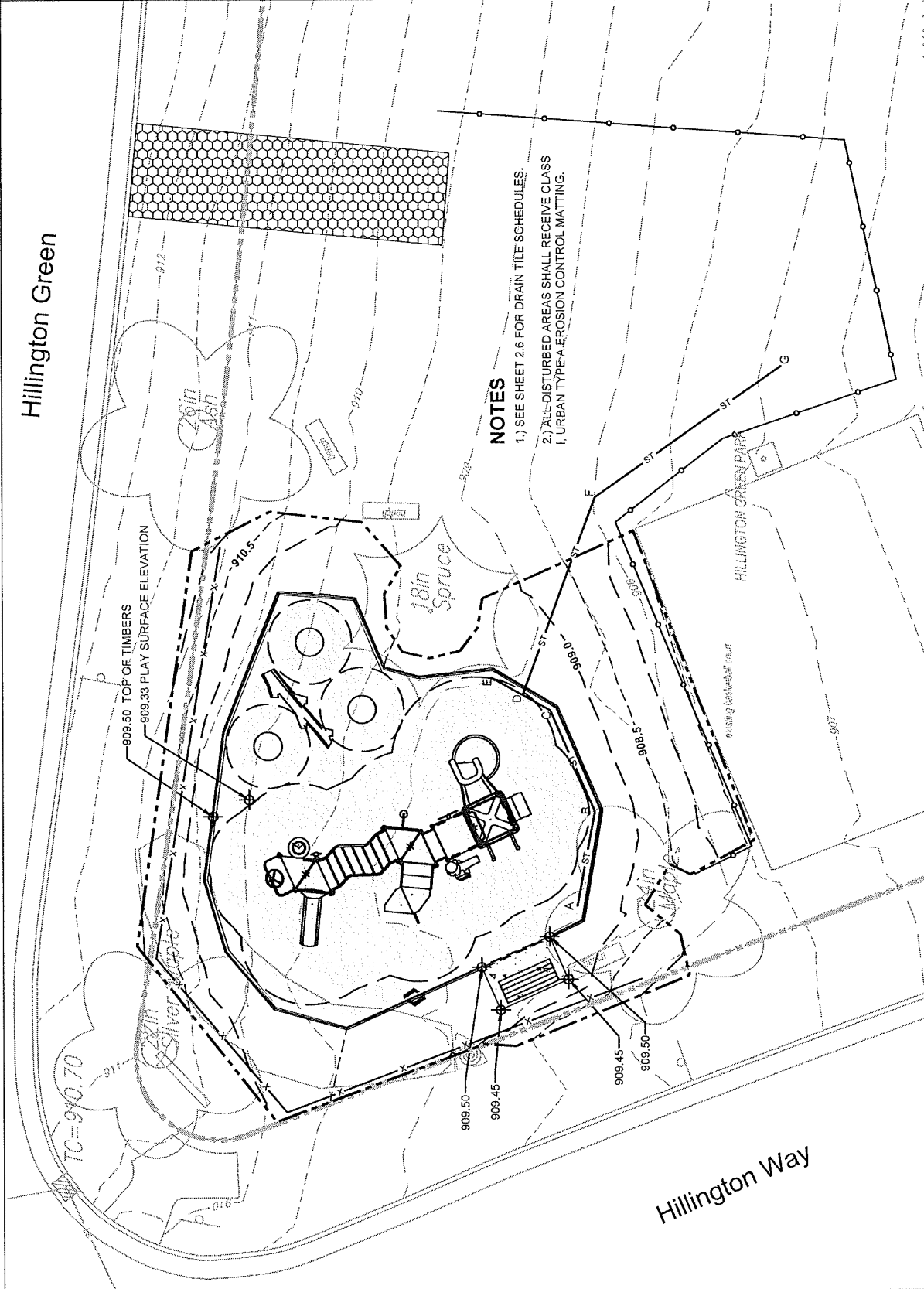
ITEM	DATE
ADMITTED TO BID	3/22/2020

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
**GRADING AND
 EROSION CONTROL
 PLAN**

SHEET NUMBER:
2.5

Hillington Green



NOTES

- 1.) SEE SHEET 2.6 FOR DRAIN TILE SCHEDULES.
- 2.) ALL-DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE-A EROSION CONTROL MATTING.

City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703



PROJECT:
**2020 PLAYGROUND
IMPROVEMENTS -
GROUP 1**

PROJECT ADDRESS:
**HILLINGTON GREEN
435 HILLINGTON WAY
MADISON, WI 53726**

Although every effort has been made in making these plans and specifications most clear, all planning and construction shall be subject to the approval of the plans.

ITEM DATE
ADVERTISED TO BID 2020-04-29

PUBLIC WORKS PROJECT #: 8849

SHEET TITLE:
**DESIGN
COMPUTATIONS**

SHEET NUMBER:

2.6

Hillington Green Playground
City of Madison Public Works Contract
Date Revised: 03-19-20

Computation Summary

Positive volumes are cuts (material available), negative volumes are fills (material needed)

Row Labels	Sum of Factored (Uncompacted) Volume
Subsoil Excavate	21.3
Subsoil Place	-50.9
Topsoil Excavate	-24.8
Topsoil Place	-0.8
Concrete Place	-0.3
Play Surface Place (Wood Mulch)	-50.2
Border Timbers Place (placeholder volume)	-1.5
Play Surface Excavate	82.7
Grand Total	-2.1

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	46	CY	= Subsoil Excavate + Topsoil Excavate + Pavement Excavate + Concrete
20104 Excavation Cut -Pea Gravel/Rubber Mix	83	CY	= Play Surface Excavate
20202 Fill - Borrow	30	CY	= Subsoil Excavate + Topsoil Place
20221 Topsoil	184	SY	= ((Topsoil Place)/.167)
40102 Crushed Aggregate Base Course Gradation No. 2	1	tons	= ((Gravel Place) pavement) * -2 ton/cubic yard
80003 Playground Surfacing - Wood Fiber Mulch	60.2	CY	= Play Surface Place (Wood Mulch * -1.2)

Hillington Green	
Point	Invert(ft)
A	908.00
B	907.95
C	907.89
D	907.87
E	907.89
F	907.42
G	906.88

Drain Tile Invert (Flowline) Elevations			
Point	Invert(ft)	Distance from top of timbers 909.33 (INCHES)	Elevation
A	908.00	1.33	
B	907.95	1.38	
C	907.89	1.44	
D	907.87	1.46	
E	907.89	1.44	
F	907.42	1.91	
G	906.88	2.45	

Drain Tile Lengths & Slopes			
From	To	Length (ft)	Slope (%)
A	B	10.28	0.5%
B	C	11.78	0.5%
C	D	3.42	0.5%
D	E	3.82	0.5%
E	F	22.56	2.0%
F	G	24.5	2.2%

Sort	Qty	Material	Item	From Surface (sq ft)	To Surface Area (sq ft)	Volume (cu ft)	Unexcavated volume (cu ft)	Unexcavated volume (cu ft)	Expansion Factor (%)	Expansion Factor (%)
1.1	111.32	Grass to Grass	Strip 6" topsoil	Exc-17n	Exc-17n	111.32	111.32	111.32	0%	18.9
1.2	1022.65	Grass to Grass	Strip 6" topsoil	Exc-17n	Exc-17n	1022.65	1022.65	1022.65	0%	7.8
1.3	1022.65	Grass to Grass	Strip 6" topsoil	Exc-17n	Exc-17n	1022.65	1022.65	1022.65	0%	-5.8
1.4	1511.33	Grass to Grass	Strip 6" topsoil	Exc-17n	Exc-17n	1511.33	1511.33	1511.33	0%	-18.9
2.1	209.90	Grass to Play	Strip 6" topsoil	Exc-17n	Exc-17n	209.90	209.90	209.90	0%	5.4
2.2	209.90	Grass to Play	Strip 6" topsoil	Exc-17n	Exc-17n	209.90	209.90	209.90	0%	12.1
2.3	209.90	Grass to Play	Strip 6" topsoil	Exc-17n	Exc-17n	209.90	209.90	209.90	0%	0.0
2.4	209.90	Grass to Play	Strip 6" topsoil	Exc-17n	Exc-17n	209.90	209.90	209.90	0%	-16.8
3.1	25.10	Timbers to Topsoil	Strip 6" topsoil	Exc-17n	Exc-17n	25.10	25.10	25.10	0%	0.5
3.2	25.10	Timbers to Topsoil	Strip 6" topsoil	Exc-17n	Exc-17n	25.10	25.10	25.10	0%	1.0
3.3	25.10	Timbers to Topsoil	Strip 6" topsoil	Exc-17n	Exc-17n	25.10	25.10	25.10	0%	0.0
3.4	25.10	Timbers to Topsoil	Strip 6" topsoil	Exc-17n	Exc-17n	25.10	25.10	25.10	0%	-5.9
4.1	467.00	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	467.00	467.00	467.00	0%	24.0
4.2	467.00	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	467.00	467.00	467.00	0%	0.0
4.3	467.00	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	467.00	467.00	467.00	0%	-20.9
4.4	467.00	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	467.00	467.00	467.00	0%	-4.5
5.1	1953.44	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	1953.44	1953.44	1953.44	0%	55.8
5.2	1953.44	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	1953.44	1953.44	1953.44	0%	0.4
5.3	1953.44	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	1953.44	1953.44	1953.44	0%	-28.0
5.4	1953.44	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	1953.44	1953.44	1953.44	0%	-38.4
6.1	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	0.8
6.2	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	0.0
6.3	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	-5.6
6.4	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	-6.5
7.1	41.32	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	41.32	41.32	41.32	0%	2.2
7.2	41.32	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	41.32	41.32	41.32	0%	0.0
7.3	41.32	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	41.32	41.32	41.32	0%	-2.6
7.4	41.32	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	41.32	41.32	41.32	0%	-5.8
7.5	41.32	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	41.32	41.32	41.32	0%	-0.3
8.1	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	0.8
8.2	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	0.0
8.3	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	-0.0
8.4	14.68	Play Surface Excavate	Remove existing play surface, subsoil to proposed	Exc-17n	Exc-17n	14.68	14.68	14.68	0%	-2.6

Hillington Green Playground
City of Madison Public Works Contract
Date Revised: 03-19-20

Notes:
1. Positive volumes are cuts, negative volumes are fills.
2. Not all parts of all surface models (Digital Terrain Models) are used for computations or intended for actual construction.

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:

**2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1**

PROJECT ADDRESS:

**WINGRA PARK
 824 KNICKERBOCKER ST.
 MADISON, WI 53711**

Although every effort has been made in preparing this plan, the contractor and subcontractor must check all details and dimensions of the same.

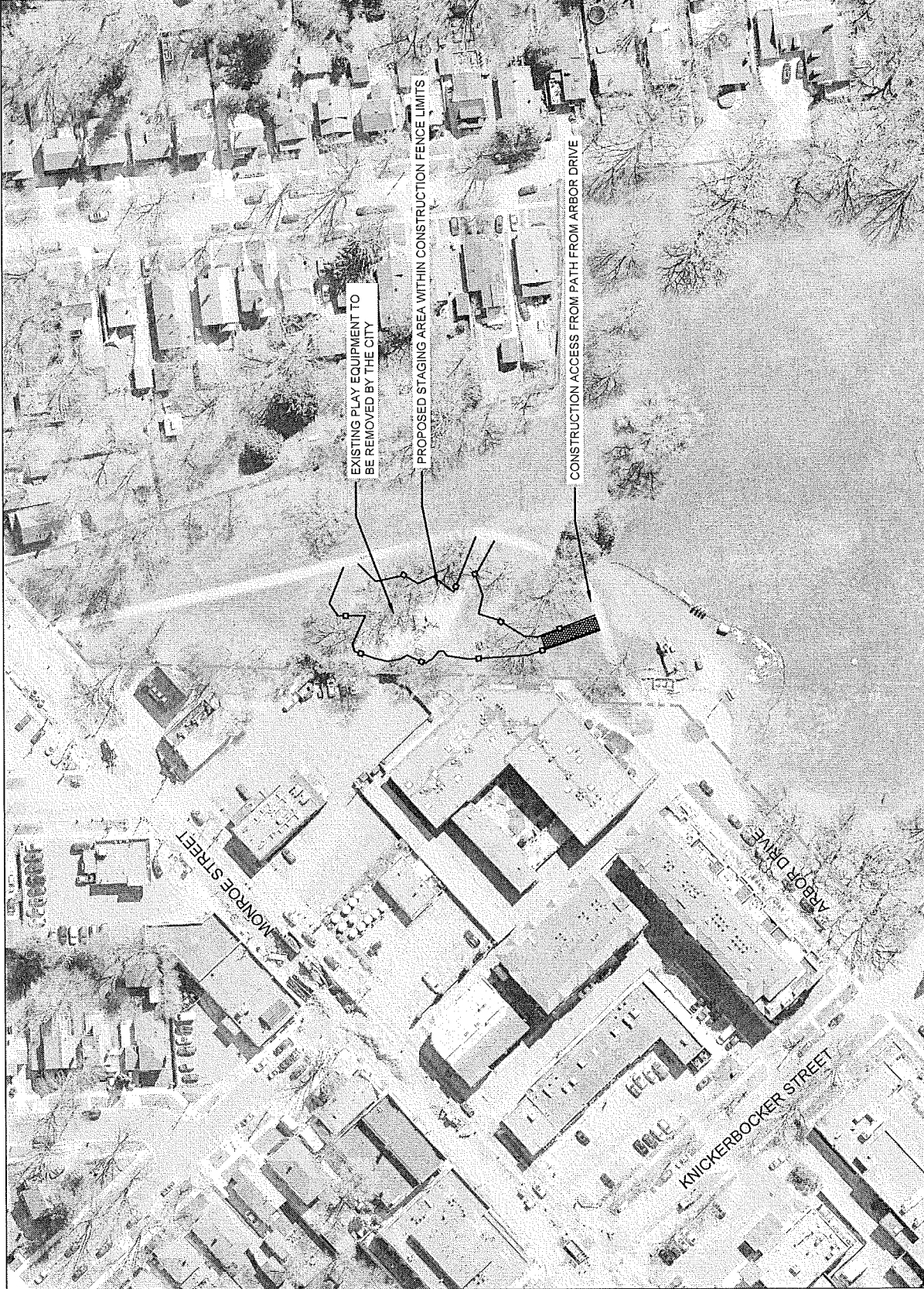
ITEM ADVERTISED TO BID: DATE: 2020-04-29

PUBLIC WORKS PROJECT #: **8849**

SHEET TITLE:
**PROJECT LOCATION
 AND SITE ACCESS**

SHEET NUMBER:

3.1



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:
2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:
**WINGRA PARK
 824 KNICKERBOCKER ST.
 MADISON, WI 53711**

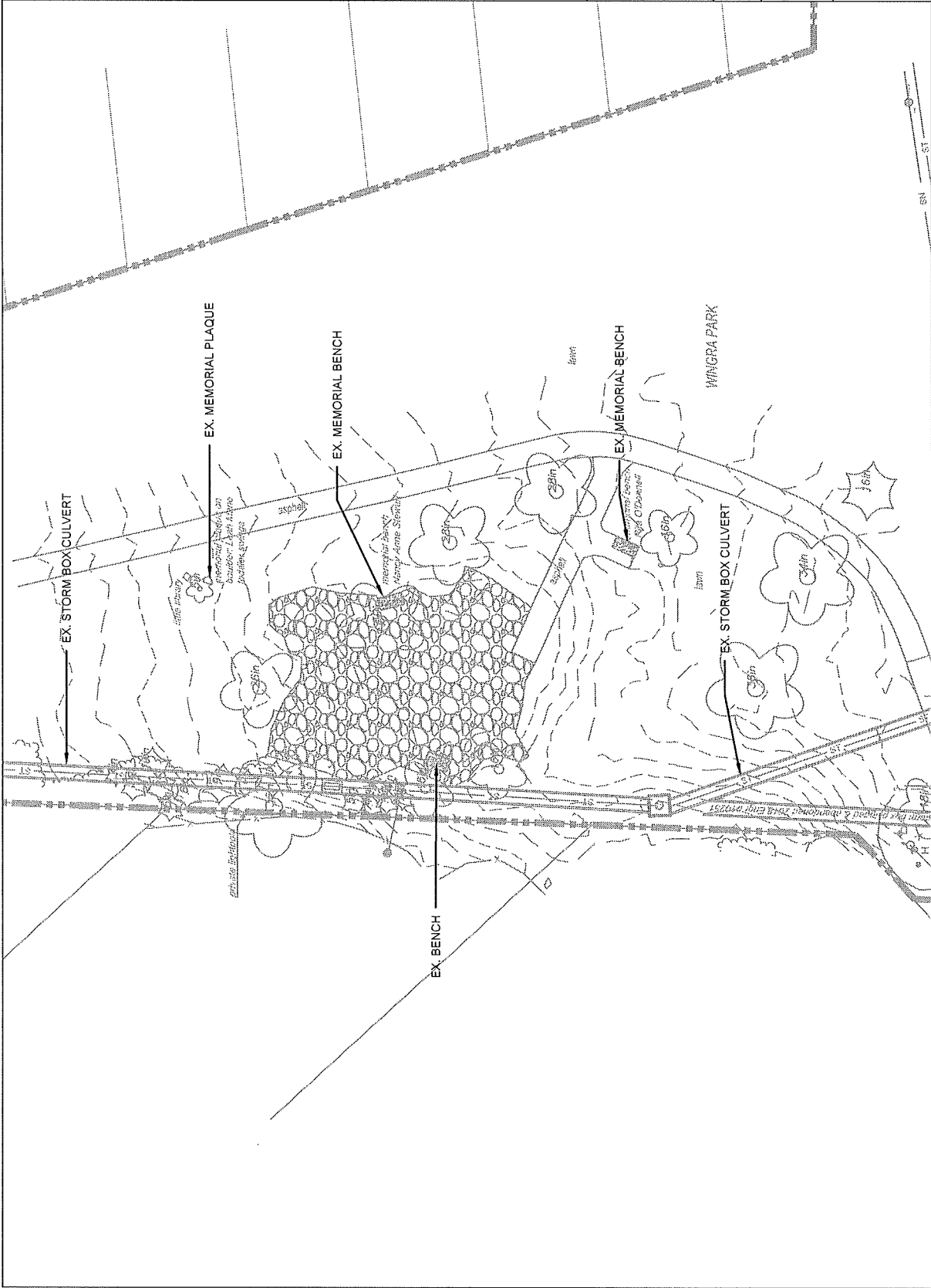
Although every effort has been made in preparing these plans and checking them for accuracy, the engineer and architect assume no responsibility for any errors or omissions of their work and is responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2020-04-09

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
3.2



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:

2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:

WINGRA PARK
 824 KNICKERBOCKER ST.
 MADISON, WI 53711

Although every effort has been made in preparing this plan, the contractor and subcontractors must check all details and dimensions of the work to be responsible for the same.

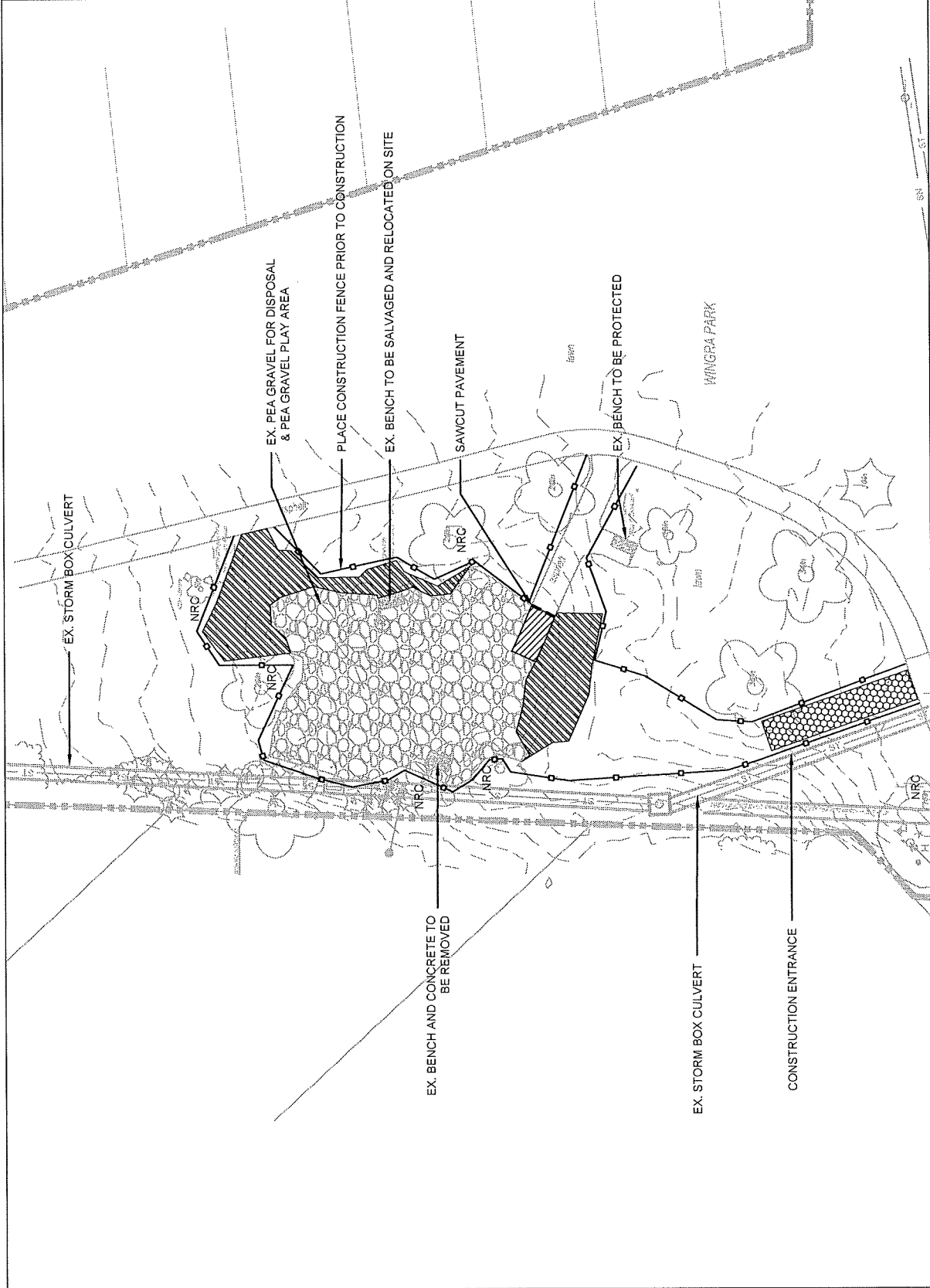
ITEM	DATE
ADVERTISED TO BID	2020 06 09

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

SHEET NUMBER:

3.3



City of Madison
 Department of Public Works
 PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:
 2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:

WINGRA PARK
 824 KNICKERBOCKER ST.
 MADISON, WI 53711

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and installer must create all details and dimensions of materials and equipment to be used on the same.

ITEM	DATE
ADVERTISED TO BID	2020-04-09

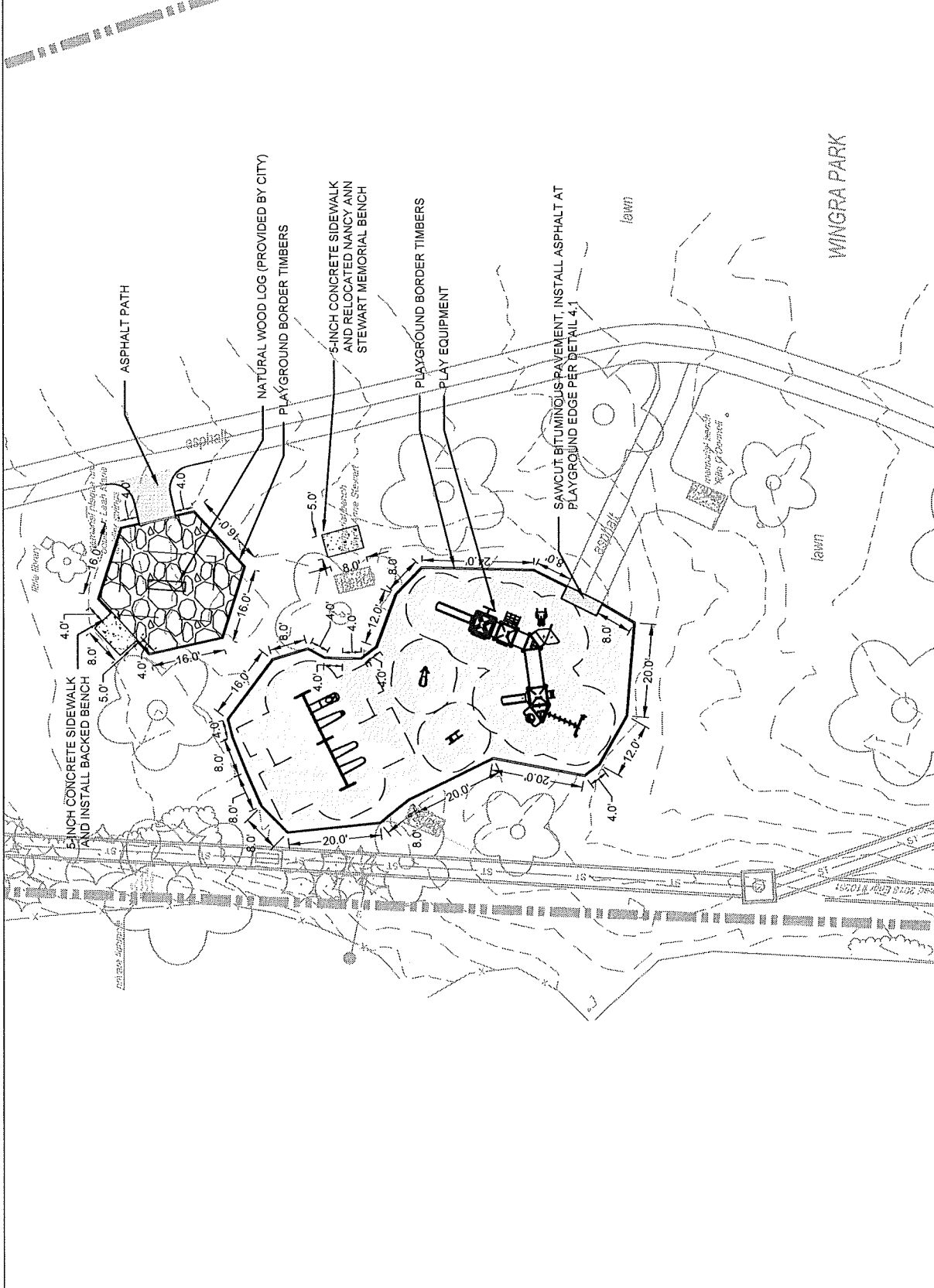
PUBLIC WORKS PROJECT #:
 8849

SHEET TITLE:

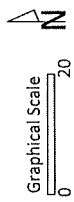
SITE PLAN

SHEET NUMBER:

3.4



City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703



PROJECT:
2020 PLAYGROUND IMPROVEMENTS - GROUP 1

PROJECT ADDRESS:
**WINGRA PARK
 824 KNICKERBOCKER ST.
 MADISON, WI 53711**

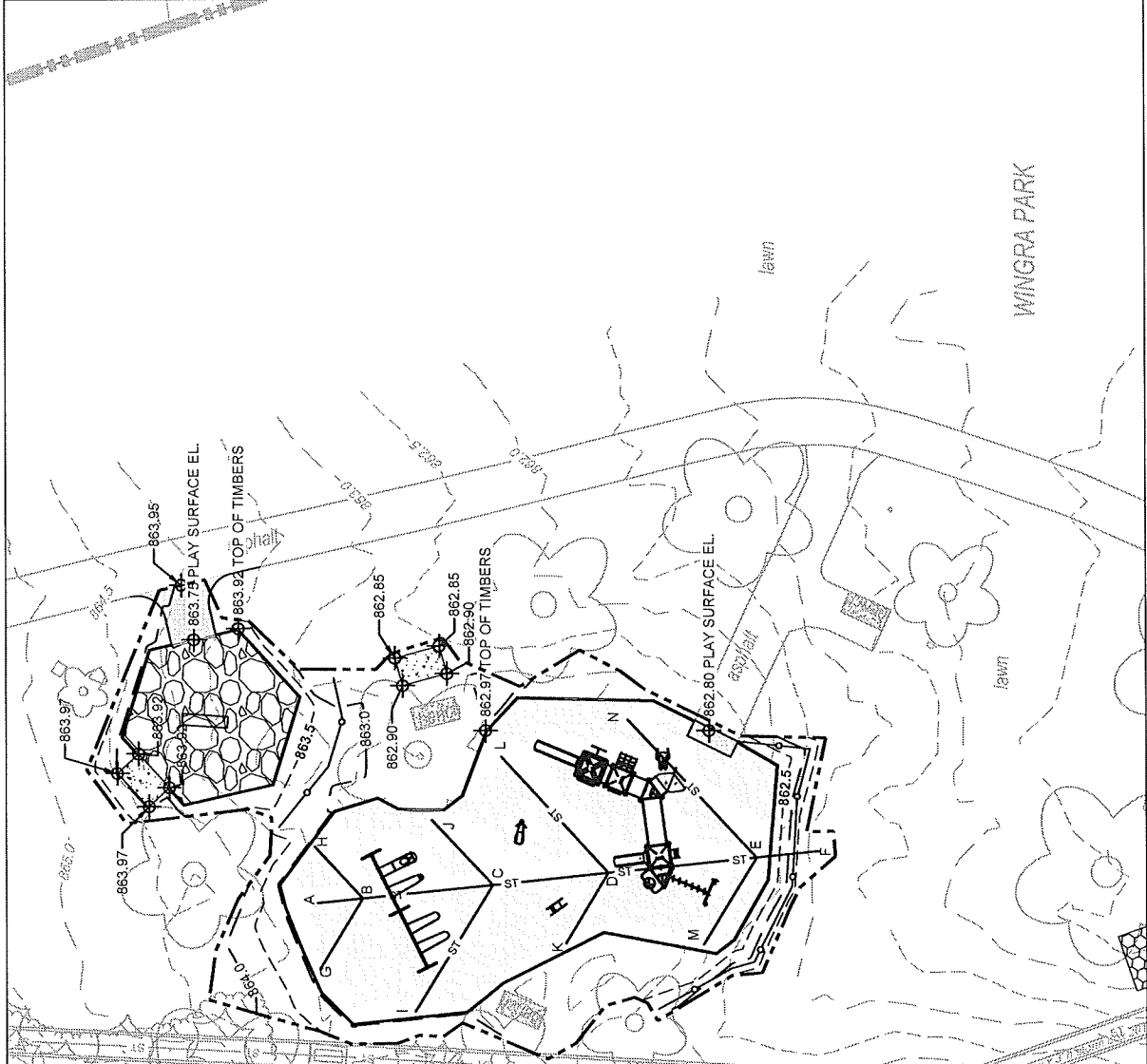
Although every effort has been made in preparing this plan, the City of Madison, its employees, contractor and subcontractors must check all details and dimensions of materials for the same.

ITEM	DATE
ADVERTISED TO BID	2020-04-08

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
3.5



NOTES
 1.) ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING.

Point	Invert (ft)	Distance from top of timbers 862.97 (INCHES)
A	861.22	-21.00
B	861.18	-21.48
C	861.07	-22.84
D	860.96	-24.08
E	860.83	-25.64
F	860.78	-26.29
G	860.70	-27.24
H	861.22	-21.04
I	861.22	-21.04
J	861.22	-21.04
K	861.22	-21.04
L	861.22	-21.04
M	861.22	-21.04
N	861.22	-21.04

Drain Tile Lengths & Slopes from intersection to intersection				
From	To	Length (ft)	Slope (%)	Pipe type
A	B	8	-0.50%	UNDERDRAIN
B	C	22.7	-0.50%	UNDERDRAIN
C	D	20.59	-0.50%	UNDERDRAIN
D	E	26	-0.50%	UNDERDRAIN
E	F	10.8	-0.50%	UNDERDRAIN
G	B	14.4	-3.33%	UNDERDRAIN
I	C	25.8	-1.86%	UNDERDRAIN
K	D	14.42	-1.76%	UNDERDRAIN
M	E	17.7	-2.16%	UNDERDRAIN
H	B	12.35	-0.30%	UNDERDRAIN
J	C	15.5	-0.97%	UNDERDRAIN
L	D	27.7	-0.91%	UNDERDRAIN
N	E	32.9	-1.16%	UNDERDRAIN
E	F	10.8	-0.25%	UNDERDRAIN
Total		259.66		

City of Madison
 Department of Public Works
 PARKS DIVISION
 City-County Building, Suite 104
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 Madison, WI 53703



PROJECT:
 2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:

WINGRA PARK
 824 KNICKERBOCKER ST.
 MADISON, WI 53711

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor shall be responsible for the interpretation of their work and be responsible for the same.

ITEM: DATE: 2020-04-09

PUBLIC WORKS PROJECT #:
 8849

SHEET TITLE:
 DESIGN
 COMPUTATIONS

SHEET NUMBER:

3.6

Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfactored volume (cu ft)	Unfactored volume (cu yd)	Expansion Factor (%)	Factored (Uncompacted) Volume (cu yd)
1.1	Grass to Grass	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	852.19	0.50	426.10	15.8	0%	15.8
1.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	852.19	varies	43.75	1.6	0%	1.5
1.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	852.19	varies	-220.45	-8.2	0%	-8.2
1.4	Grass to 5-	Topsoil Place	Place 6" topsoil	n/a	n/a	852.19	-0.50	-426.10	-15.8	0%	-15.8
2.1	1 inch Concrete	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	80.00	0.50	40.00	1.5	0%	1.5
2.2	1 inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-8inch	80.00	varies	21.13	0.8	0%	0.8
2.3	1 inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-8inch	80.00	varies	-0.36	0.0	0%	0.0
2.4	1 inch Concrete	Concrete Place	Place 5" of concrete	n/a	n/a	80.00	-0.41	-32.80	-1.2	0%	-1.2
2.5	1 inch Concrete	Gravel Place (Concrete)	Place 3" of gravel	n/a	n/a	80.00	-0.25	-20.00	-0.7	0%	-0.7
3.1	Grass to play surface	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	414.38	0.50	207.19	7.7	0%	7.7
3.2	Grass to play surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-14 inch	414.38	varies	87.25	3.2	0%	3.2
3.3	Grass to play surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-14 inch	414.38	varies	-48.94	-1.8	0%	-1.8
3.4	Grass to play surface (pea gravel)	Play Surface Place (Wood Mulch)	Place 14" of wood mulch	n/a	n/a	414.38	-1.17	-483.44	-17.9	0%	-17.9
4.1	Grass to play surface (pea gravel)	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	445.94	0.50	222.97	8.3	0%	8.3
4.2	Grass to play surface (pea gravel)	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-14 inch	445.94	varies	291.47	10.8	0%	10.8
4.3	Grass to play surface (pea gravel)	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-14 inch	445.94	varies	0.00	0.0	0%	0.0
4.4	Grass to Asphalt	Pea gravel place	Place 14" of pea gravel	n/a	n/a	445.94	-1.17	-520.26	-19.3	0%	-19.3
5.1	Grass to Asphalt	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	84.72	0.50	42.36	1.6	0%	1.6
5.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	84.72	varies	41.26	1.5	0%	1.5
5.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	84.72	varies	0.00	0.0	0%	0.0
5.4	Grass to Asphalt	Gravel Place (pavement)	Place 9" of gravel	n/a	n/a	84.72	-0.75	-63.54	-2.4	0%	-2.4
5.5	Grass to Timbers	Asphalt Place	Place 3in asphalt	n/a	n/a	84.72	-0.25	-21.16	-0.8	0%	-0.8
6.1	Grass to Timbers	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	39.24	0.50	19.62	0.7	0%	0.7
6.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	39.24	varies	10.18	0.4	0%	0.4
6.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	39.24	varies	-10.54	-0.4	0%	-0.4
6.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Place playground border timbers (placeholder volume to balance volume comps)	n/a	na	39.24	-1.00	-39.24	-1.5	0%	-1.5

City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703



PROJECT:
**2020 PLAYGROUND
IMPROVEMENTS -
GROUP 1**

PROJECT ADDRESS:
**WINGRA PARK
824 KNICKERBOCKER ST.
MADISON, WI 53711**

Although every effort has been made in preparing this estimate, the contractor and subcontractor must check all details and dimensions of the job before starting work.

ITEM ADVERTISED TO BID DATE
2020-04-28

PUBLIC WORKS PROJECT #:
8849

SHEET TITLE:
**DESIGN
COMPUTATIONS**

SHEET NUMBER:
3.7

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Asphalt Place	-1.1
Subsoil Excavate	22.9
Subsoil Place	-94.7
Topsoil Excavate	35.5
Topsoil Place	-47.0
Concrete Place	-1.2
Pavement Excavate	5.3
Gravel Place (Concrete)	-0.7
Play Surface Place (Wood Mulch)	-136.8
Border Timbers Place (glacemaker volume)	-3.2
Play Surface Excavate	-3.8
Concrete Excavate	150.9
Play Surface Excavate	85.1
Pea gravel place	-27.0
Grand Total	-14.4

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	65	CY	= Subsoil Excavate + Topsoil Excavate + Pavement Excavate + Concrete Excavate
20103 Excavation Cut - Pea Gravel	151	CY	= Play Surface Excavate + Subsoil Excavate + Subsoil Place
20202 Fill - Borrow	72	CY	= (Topsoil Place)/-.167
20221 Topsoil	281	SY	= ((Gravel Place) pavement) + Asphalt Place * -.2
40102 Crushed Aggregate Base Course Gradation No. 2	6	tons	= Asphalt Place * -.2 ton/cubic yard
40202 HMA Pavement 4	2.3	tons	= Play Surface Place (Wood Mulch * -.1.2)
90003 Playground Surfacing - Wood Fiber Mulch	164.2	CY	= Pea gravel place
90004 Playground Surfacing - Pea Gravel	27	CY	

Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfaced volume (cu ft)	Unfaced volume Factor (%)	Expan- sion Factor (%)	Factored (Uncom- pacted) Volume (cu yd)
7.1	Play surface to Grass	Play Surface Excavate	Remove existing play surface, estimated depth 17 in	n/a	n/a	1621.02	1.42	2295.45	85.1	0%	185.1
7.2	Play surface to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-6in	1621.02	varies	0.00	0.0	0%	0.0
7.3	Play surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	1621.02	varies	-1380.10	-51.5	0%	-51.5
7.4	Play surface to Grass	Topsoil Place	Place 6" of topsoil	n/a	n/a	1621.02	-0.50	-810.51	-30.0	0%	-30.0
8.1	Play surface to play surface	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	2632.33	1.42	3729.13	138.1	0%	138.1
8.2	Play surface to play surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	2632.33	varies	88.34	3.3	0%	3.3
8.3	Play surface to play surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	2632.33	varies	-665.89	-25.4	0%	-25.4
8.4	Play surface to play surface (pea gravel)	Play Surface Place (Wood Mulch)	Place 14in wood mulch play surface	n/a	n/a	2632.33	-1.17	-3079.83	-114.1	0%	-114.1
9.1	Play surface to play surface (pea gravel)	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	179.00	1.42	253.59	9.4	0%	9.4
9.2	Play surface to play surface (pea gravel)	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-14in	179.00	varies	0.00	0.0	0%	0.0
9.3	Play surface to play surface (pea gravel)	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-14in	179.00	varies	-154.94	-5.7	0%	-5.7
9.4	Play surface to play surface (pea gravel)	Pea gravel place	Place 14" of pea gravel	n/a	n/a	179.00	-1.17	-208.83	-7.7	0%	-7.7
10.1	Play surface to mulch	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	64.52	1.42	91.40	3.4	0%	3.4
10.2	Play surface to mulch	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-2in	64.52	varies	3.14	0.1	0%	0.1
10.3	Play surface to mulch	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-2in	64.52	varies	-28.03	-1.0	0%	-1.0
10.4	Play surface to mulch	Border Timbers Place (glacemaker volume)	Subgrade around border timbers (glacemaker volume to balance volume comp)	n/a	n/a	64.52	-1.00	-64.52	-2.4	0%	-2.4
11.1	Asphalt to Asphalt	Pavement Excavate	Strip 1" of Asphalt and Gravel	n/a	n/a	30.98	1.00	30.98	1.1	0%	1.1
11.2	Asphalt to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-1"	Pro-1"	30.98	varies	0.80	0.0	0%	0.0
11.3	Asphalt to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-1"	Pro-1"	30.98	varies	-1.17	0.0	0%	0.0
11.4	Asphalt to Asphalt	Gravel Place (pavement)	Place 9" of gravel	n/a	n/a	30.98	-0.75	-23.24	-0.9	0%	-0.9
11.5	Asphalt to Asphalt	Asphalt Place	Place 3" of asphalt	n/a	n/a	30.98	-0.25	-7.75	-0.3	0%	-0.3
12.1	Asphalt to Asphalt	Pavement Excavate	Strip 1" of Asphalt and Gravel	n/a	n/a	111.57	1.00	111.57	4.1	0%	4.1
12.2	Asphalt to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-1"	Pro-12in	111.57	varies	31.38	1.2	0%	1.2
12.3	Asphalt to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-1"	Pro-12in	111.57	varies	-4.10	0.0	0%	0.0
12.4	Asphalt to Asphalt	Play Surface Place (Wood Mulch)	Place 14in wood mulch play surface	n/a	n/a	111.57	-1.17	-130.54	-4.8	0%	-4.8
13.1	Concrete to Concrete	Concrete Excavate	Remove 5" of concrete and 3" of gravel	n/a	n/a	62.37	0.65	41.16	1.5	0%	1.5
13.2	Concrete to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-8in	Pro-6in	62.37	varies	0.00	0.0	0%	0.0
13.3	Concrete to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-8in	Pro-6in	62.37	varies	-16.07	-0.6	0%	-0.6
13.4	Concrete to Concrete	Topsoil Place	Place 6" of concrete	n/a	n/a	62.37	-0.50	-31.19	-1.2	0%	-1.2
14	Adjust	Play Surface Place (Wood Mulch)	Increase play surface by 1/2 of asphalt ramp gravel base (x 7 ft)	n/a	n/a	31	-0.29	-9	-0.3	0%	-0.3

City of Madison
 Department of Public Works
 PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 Madison, WI 53703

play
MADISON
PARKS

PROJECT:
 2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:

Although every effort has been made to ensure the
 accuracy of these plans and drawings, the contractor
 and subcontractors must check all details
 and dimensions of proposed work for responsibility for
 the same.

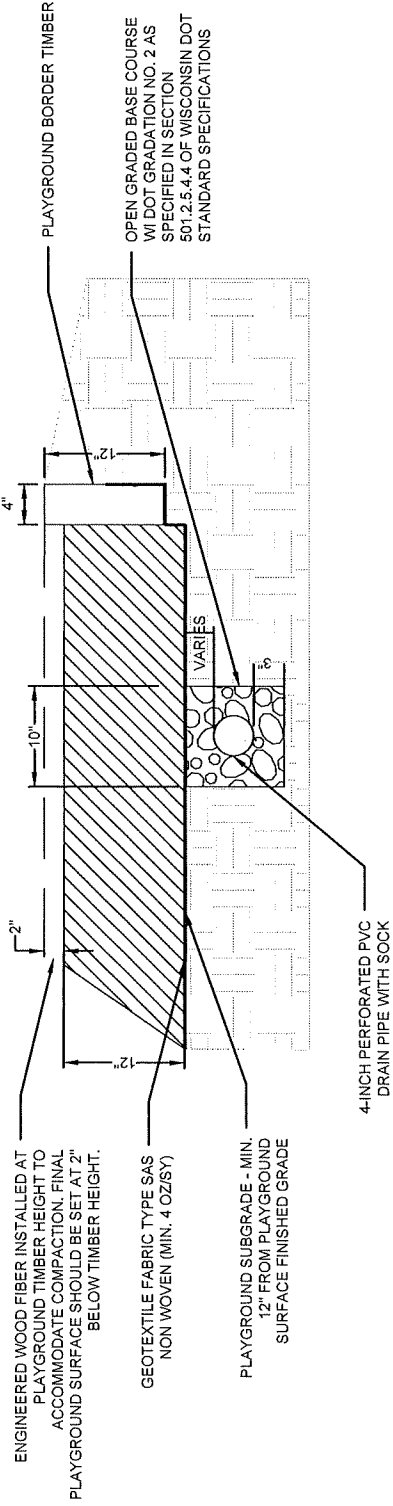
ITEM
 ADVERTISED TO BID
 DATE
 2020-04-09

PUBLIC WORKS PROJECT #:
 8849

SHEET TITLE:
 DETAILS -
 PLAYGROUND &
 PAVEMENT EDGE

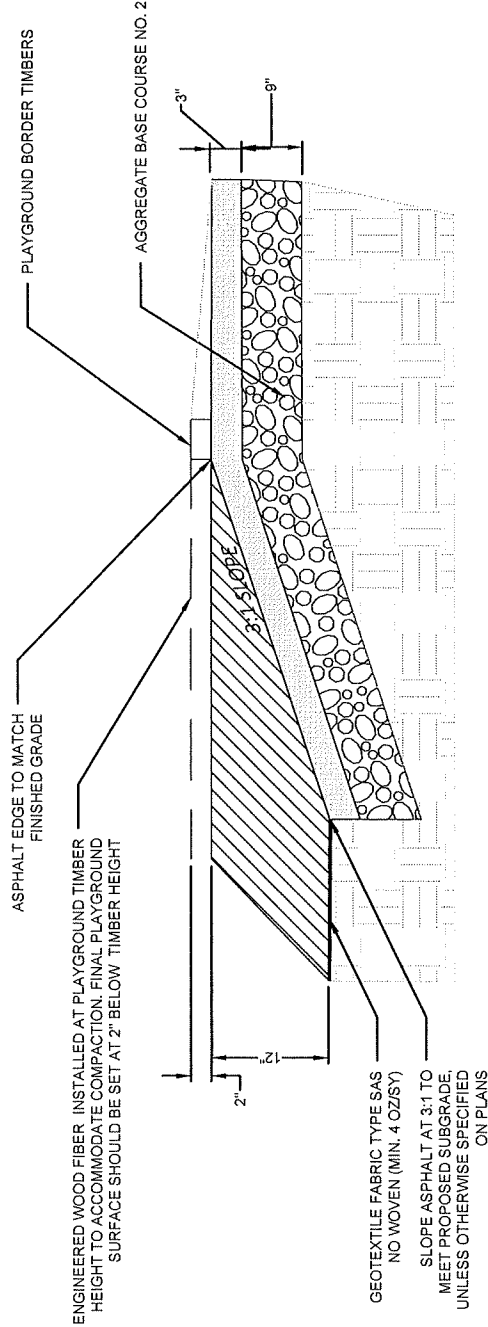
SHEET NUMBER:

4.1



1 PLAYGROUND SURFACING WITH UNDERDRAIN

4.1 NOT TO SCALE



2 ASPHALT AT PLAYGROUND EDGE

4.1 NOT TO SCALE

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
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 Madison, WI 53703

play
**MADISON
 PARKS**

PROJECT:
 2020 PLAYGROUND
 IMPROVEMENTS -
 GROUP 1

PROJECT ADDRESS:
 HILLINGTON GREEN
 435 HILLINGTON WAY
 MADISON, WI 53726

Although every effort has been made to provide
 these plans and specify them for accuracy, the
 contractor and purchaser shall verify all details
 and dimensions of their respective work with the
 other party at the same.

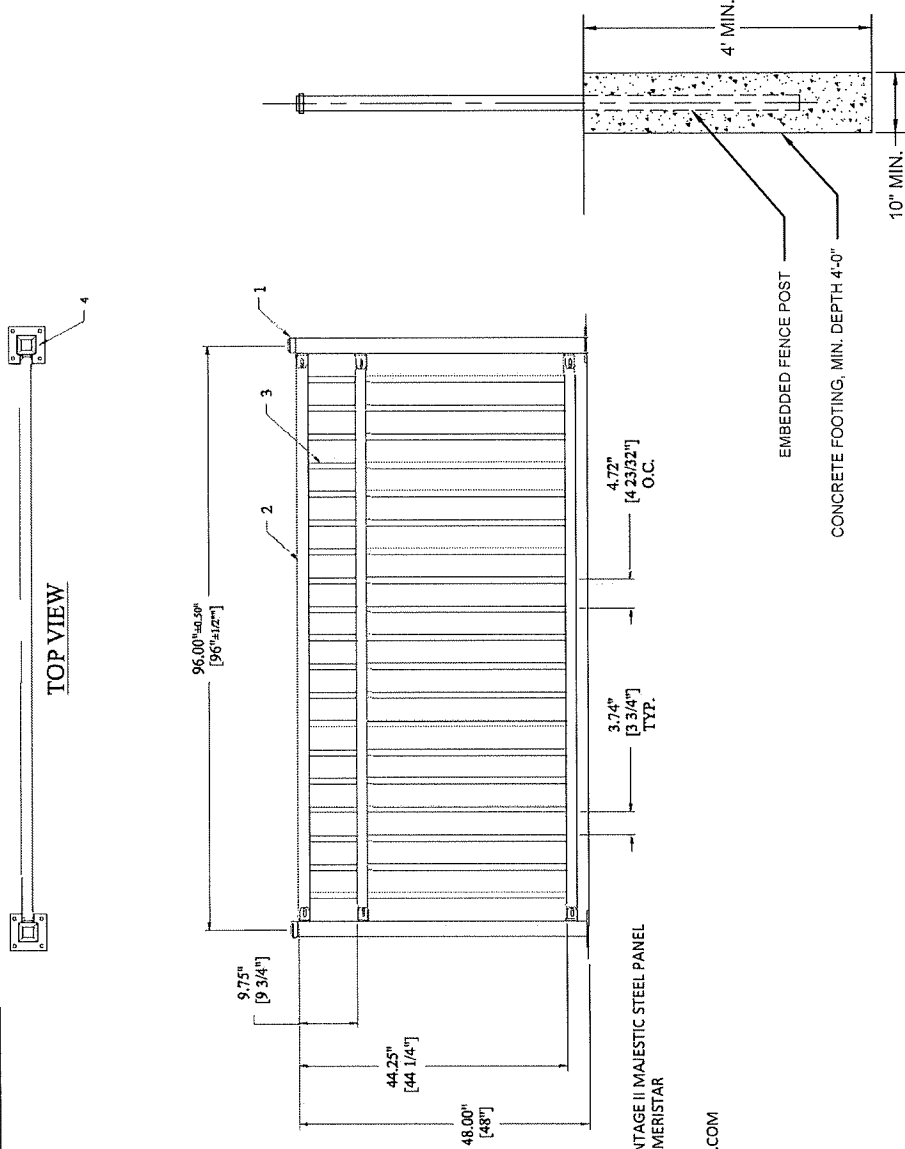
ITEM
 ADVERTISED TO BID
 DATE
 2020-04-09

PUBLIC WORKS PROJECT #:
 8849

SHEET TITLE:
 DETAILS -
 ORNAMENTAL METAL
 FENCING

SHEET NUMBER:

4.2



- DESCRIPTION:
1. 2 1/2" SQ. POST
 2. 1 3/4" SQ. X 12 GA. CHANNEL RAIL
 3. 1" SQ. X 14GA. PICKET
 4. BASE PLATE
 BX301 BRACKET

NOTE:
 PRODUCT SHOWN IS MONTAGE II MAJESTIC STEEL PANEL
 AS MANUFACTURED BY AMERISTAR
 1555 N. MINGO
 TULSA, OK 74116
 WWW.AMERISTARFENCE.COM

APPENDIX A:

**PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS**

APPENDIX A:

Eagle Trace Park

**PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS**

APPENDIX B:
SOIL BORINGS



**Soils &
Engineering
Services, Inc.**

December 9, 2019

Project 13300.31 R01

Ms. Sarah Lerner, LEED AP, RLA
City of Madison Parks Division
City-County Building, Room 104
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703-3342

Subject: Preliminary Geotechnical Exploration and Analyses Report
Site Fill
Eagle Trace Park
10321 White Fox Lane
City of Madison
Dane County, Wisconsin

Dear Ms. Lerner:

We have completed the requested exploration consisting of the performance of one soil boring and associated laboratory testing. The purpose of this boring was to obtain information about the soil, bedrock, and water conditions at the boring location. We present our findings and preliminary comments and recommendations in the enclosed *Preliminary Geotechnical Exploration and Analyses Report* for the subject project.

Respectfully submitted,

SOILS & ENGINEERING SERVICES, INC.

Craig M. Bower, P.E.

CMB:DER:cmb

Enclosure

Delivered by email: Slerner@cityofmadison.com

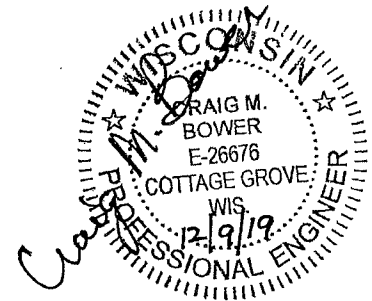
PRELIMINARY GEOTECHNICAL EXPLORATION AND ANALYSES REPORT

**SITE FILL
EAGLE TRACE PARK
10321 WHITE FOX LANE
CITY OF MADISON
DANE COUNTY, WISCONSIN
SES Project Number 13300.31**

Prepared By

Soils & Engineering Services, Inc.
1102 Stewart Street
Madison, Wisconsin 53713-4648
phone: (608) 274-7600
e-mail: soils@soils.ws

Craig M. Bower, P.E.



Submitted To

City of Madison Parks Division
City-County Building, Room 104
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703-3342
Phone: (608) 261-4281

Ms. Sarah Lerner, LEED AP, RLA

December 9, 2019



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- Laboratory Test Result Records, Figure 1

Appendix B

- *Important Information about This Geotechnical-Engineering Report advisory*



I. INTRODUCTION

This *Preliminary Geotechnical Exploration and Analyses Report* summarizes the findings of the geotechnical exploration and laboratory tests performed for providing comments and recommendations regarding the filling of the Eagle Trace Park site located at 10321 White Fox Lane in the City of Madison in Dane County, Wisconsin. We completed this work under the general direction of City of Madison Parks Division who established the general scope of the work.

The intent of this preliminary report is to: (1) convey the geotechnical information obtained from one soil boring; (2) present the results of laboratory and field tests; (3) present our comments and recommendations for site filling; and (4) present preliminary structure comments. We recommend City of Madison Parks Division employ Soils & Engineering Services, Inc. to make observations and perform tests at the time of excavation and construction of the proposed improvements to verify the subsurface conditions encountered by the exploration performed, and to validate our comments, analyses, and recommendations presented in this report for the subject improvements.

II. PROJECT DESCRIPTION

The Eagle Trace Park site is currently being developed. We understand the development plans call for raising the grade at the park site by several feet. On November 18, 2019, you requested Soils & Engineering Services, Inc. to provide geotechnical recommendations on the placement of the fill in the park site.

III. GEOTECHNICAL EXPLORATION

The geotechnical field exploration consisted of the performance of one soil boring (designated Boring 1).

A. Boring Location

We located Boring 1 in the general vicinity that you requested. We show the boring location on the Location Sketch, Drawing 13300.31-1, enclosed in Appendix A.

B. Boring Elevations

We did not determine the ground surface elevation at the boring location after completion of the drilling and sampling. We set the ground surface at 0 feet of depth



for the soil boring on the Boring Log Record enclosed in Appendix A. We plotted the Boring Log Record with depth scales for reference.

C. Drilling and Sampling Procedures

The exploration plan was to complete Boring 1 to a depth of 15 feet below existing grade. We drilled and sampled the boring to the planned depth.

We used 2¼-inch-inside-diameter hollow-stem augers (HSA) for the boring to maintain an open borehole as we advanced the boring to the termination depth. As we advanced the borehole of this boring, we obtained soil samples at 2½-foot intervals starting at a depth of 1-foot below the ground surface and continued to a depth of 10 feet. We increased the sampling interval to 5 feet from a depth of 10 feet to the boring termination depth. We performed this sampling using a 2-inch-outside-diameter split-barrel sampler according to ASTM Designation D1586. We visually identified the recovered soils in general compliance with the Unified Soil Classification System (USCS) identification procedures as defined in ASTM Designation D2488.

Please refer to the Boring Log Record enclosed in Appendix A for additional information regarding the drilling and sampling of this boring. We provide information pertinent to the Boring Log Record on the Notes and Legend Record enclosed in Appendix A.

D. Subsurface Stratigraphy

In general terms, we characterize the soil stratigraphy encountered at Boring 1 as fill material overlying native soil strata. This boring encountered bedrock within the depth drilled.

Boring 1 encountered 7 inches of very dark brown LEAN CLAY FILL TOPSOIL over 17 inches of brown fine SILTY SAND (SM) FILL over 24 inches of brown LEAN CLAY (CL) FILL over 12 inches of red and black fine to coarse POORLY-GRADED GRAVEL (GP) FILL.

Below the fill material, Boring 1 encountered a native soil strata consisting of brown fine SILTY SAND (SM) over brown LEAN CLAY (CL).

Below the native soil stratification, Boring 1 encountered yellowish-brown and orange highly-weathered SANDSTONE bedrock.



Please refer to the Boring Log Record enclosed in Appendix A for a further description of the fill material, native soil strata, and bedrock encountered at the location of Boring 1.

E. Subsurface Water

Our drilling crew found the borehole of the boring performed to be dry and caved at a depth of 12.5 feet at the completion of the drilling and sampling at this boring.

We expect the subsurface (groundwater) level to fluctuate as influenced by precipitation, snowmelt, surface water runoff, and other hydrological and hydrogeological factors. The groundwater level at the time of construction of the subject project may be higher or lower than the groundwater level encountered on the day that we performed the boring.

IV. LABORATORY AND FIELD TESTS

A. Laboratory Tests

We performed laboratory tests on a portion of selected split-barrel soil samples to determine the physical properties of the fill material and underlying native soil strata encountered at the boring location. The laboratory tests on the selected material from the split-barrel soil samples consisted of determining the moisture content (MC), Atterberg limits (liquid limit [LL] and plastic limit [PL]), and the percentage of soil particles passing the No. 200-mesh sieve (P_{200}). In addition to the above tests, we tested some of the cohesive soils for approximate unconfined compressive strength (q_u) using a spring penetrometer.

We include the laboratory test results obtained for this report on the Boring Log Record and Laboratory Test Result Record (Figure 1) enclosed in Appendix A. We used the results from the Atterberg limits and P_{200} tests to confirm or modify the USCS soil identifications in general compliance with USCS classification procedures as defined in ASTM Designation D2487.

B. Field Tests

The field tests consisted of the performance of the standard penetration resistance test (SPT) for Boring 1. We performed the SPT during the sampling procedure at this boring. It consists of driving the split-barrel sampler up to 18 inches with a 140-pound hammer weight falling 30 inches. From the SPT, we obtain the N-value which



is the sum of the number of blows required to drive the split-barrel sampler the last 12 inches or portion thereof as noted on the Soil Boring Records.

We include the N-value results obtained for this report on the Boring Log Record enclosed in Appendix A.

C. Test Results Discussion

The laboratory and field tests indicated the following:

- The brown fine SILTY SAND (SM) FILL is in a moist relative moisture condition and in a medium dense state of relative density.
- The brown LEAN CLAY (CL) FILL is in a moist relative moisture condition and of stiff consistency.
- The red and black fine to coarse POORLY-GRADED GRAVEL (GP) FILL is in a moist relative moisture condition and in a very dense state of relative density.
- The brown fine SILTY SAND (SM) is in a moist relative moisture condition and in a very loose state of relative density.
- The brown LEAN CLAY (CL) is in a moist relative moisture condition and of very soft to soft consistency.
- The yellowish-brown and orange highly-weathered SANDSTONE bedrock is in a moist relative moisture condition and in a medium dense state of relative density.

We utilized the laboratory and field test results in our evaluation of the soils to provide comments and recommendations for the filling of the subject site.

V. CONCLUSIONS

We offer the following general comments regarding the soils encountered by the boring:

- The boring encountered 7 inches of topsoil.
- Below the topsoil, Boring 1 encountered 41 inches of moderate to high strength fill soil.



- Below the fill soil, Boring 1 encounter low strength native granular soil over very low to low strength native cohesive soil.
- Below the native soil strata, Boring 1 encountered moderate strength bedrock within the depth drilled.

Based on the soil information obtained, placement of fill material to raise the grade for the proposed park is feasible. Due to the very low to low strength native soil strata, we recommend additional soil borings at the location of specific park structures for the purposes of determining a suitable foundation support system for said structures. Depending upon the bearing capacity required for said structures, a deep foundation system, such as helical piers, may be needed to transfer the structure loads to the moderate strength bedrock below.

VI. COMMENTS AND RECOMMENDATIONS

Based on the soil boring information and laboratory tests performed, we offer the following comments and recommendations regarding the site filling of Eagle Trace Park located on White Fox Lane in the City of Madison, Dane County, Wisconsin.

A. Building Support

As stated above, Boring 1 encountered very low to low strength native soil strata which will be susceptible to consolidation under the proposed site filling and under any proposed building. Consolidation of soils results in settlement of the ground surface and any improvements. The degree of settlement is a function of the additional load that is imposed on the very low to low strength native soil encountered. The higher the load, the higher the settlement. Therefore, we recommend additional soil borings be completed at the location of specific improvements to obtain information regarding the type and strength of the subsurface materials present at each improvement.

B. Initial Site Preparation

Initial site preparations should include removing existing topsoil and vegetation (including trees and tree roots). The boring found the surficial topsoil to be 7 inches in thickness. The thickness of the topsoil encountered elsewhere on the project site could be more or less than what was encountered by our soil boring. The topsoil could be stockpiled for reuse in landscaped areas.



We expect the selected earthwork contractor can accomplish removal of the above surficial materials with normal earth-moving equipment.

After completion of these site preparations and prior to placement of any fill material to raise the grade, we recommend exposed granular material be thoroughly compacted and that exposed cohesive material be proof-rolled as follows:

- We recommend thorough compaction be performed using a large self-propelled vibratory, steel-drum compactor. Exposed granular soil should be compacted to a density of at least 95 percent of the maximum dry density determined for the soil according to ASTM Designation D 1557 for a minimum depth of 18 inches below the excavation surface. Below designated landscaped areas, the minimum soil compaction requirement can be reduced to achieve 90 percent.

The compacted native soil should be tested by Soils & Engineering Services, Inc. personnel to verify that the minimum density is achieved before placing any new fill material. If the exposed granular soils cannot be compacted, excavation undercut may be necessary. New fill material, as specified herein, can then be placed to reach the proposed finished grades.

- We recommend proof-rolling be performed using a heavily-loaded triaxle truck or similar heavy pneumatic rubber-tire construction equipment. The proof-rolling procedure should be observed by Soils & Engineering Services, Inc. The purpose of proof-rolling is to identify and delineate low-strength and unstable subgrade soil that may be present as evidenced by rutting, yielding, or pumping of the subgrade surface. If unstable subgrade areas are encountered, the unstable soil should be undercut to firm, competent subgrade soil. Granular fill material or crushed stone placed and compacted should be used to replace the unstable soil.

Following acceptance of the exposed excavation surface, new fill material, as specified herein, can be placed to raise the grade to reach the proposed finished grades.

C. Landscaped Area Fill

We recommend the material used to raise the grade below landscaped areas consist of "Fill" as described in Article 202.2(a) of the 2019 City of Madison *Standard Specifications for Public Works Construction (SSPWC)*. We recommend the material be placed and compacted in accordance with the specifications described as "Standard Compaction" as specified in Article 202.3(b) of the 2019 Madison SSPWC. Standard Compaction specifications require that the fill material



should be placed in maximum 12-inch-thick lifts with each lift compacted until no further appreciable consolidation is evidenced under the action of the compaction equipment.

Improper or poor densification of the fill material placed in landscaped areas could result in settlement of the soils and subsequent depressions in the landscaped area surface. Additionally, compaction of material that is too dry could result in settlement of the soils after the moisture content of the material increases due to surface water permeation, and material that is spongy or rutting under the travel of the construction equipment should be disc'd and dried to lower the moisture content of the material. We recommend the fill material placed in landscaped areas be placed with the moisture content of the material within 3 percent of the optimum moisture content of the material. The optimum moisture content of the fill material should be obtained in accordance with ASTM Designation D1557.

D. Structure/Paved Area Fill

We recommend the material used to raise the grade below proposed building areas or other structures and proposed paved areas consist of "Select Fill" as described in Article 202.2(b) of the 2019 Madison SSPWC. We recommend the material be placed and compacted in accordance with the specifications described as "Special Compaction" as specified in Article 202.3(c) of the 2019 Madison SSPWC. Special Compaction specifications require that the granular fill material should be placed in maximum 12-inch-thick lifts with each lift compacted to a density of at least 95 percent of the maximum density for the upper 6 feet of the embankment and to a density of at least 90 percent of the maximum density below 6 feet. The maximum density of the granular fill material should be obtained in accordance with ASTM Designation D1557.

The above percent compaction specifications are appropriate for paved areas. For under building areas, we recommend that the material be compacted to 95 percent of the maximum density for the entire depth of the fill placement.

We recommend that the Select Fill placed below areas prepared for structures and paved areas extend horizontally outward from the anticipate maximum exterior extents of the proposed improvement at least 1 foot for every vertical foot of fill placed.

E. Coarse Crushed Stone

If needed due to site conditions at the time of construction, a coarse crushed stone may be needed to stabilize the exposed soils. Placement of a separation-type



geotextile may also be needed dependant upon the type and strength of material disturbed. We recommend the coarse crushed stone consist of breaker run as described in Article 202.2(b) of the 2019 Madison SSPWC and the separation-type geotextile meet the specifications for Type SAS geotextile as described in Article 201.3(b) of the Madison SSPWC.

F. Fill Material Monitoring

We recommend the compactive effort of the Landscaped Area Fill, Structure/Paved Area Fill, and Coarse Crushed Stone be monitored during construction by Soils & Engineering Services, Inc. personnel at regular depths and intervals to verify that the minimum density has been achieved, especially during initial placement of the fill material. Any compacted lift that does not meet the specified density should receive additional compactive effort and then be retested until the required density has been achieved. Subsequent lifts should not be placed until the specified minimum density has been achieved on the preceding lift.

G. Cold Weather Fill Material Placement

During cold weather conditions, Landscaped Area Fill, Structure/Paved Area Fill, and Coarse Crushed Stone used to backfill any excavation or to raise the grade should not be deposited over frozen soil, either frozen native soil or frozen fill material. Also, any of the fill materials to be placed and compacted should not be frozen or contain snow or ice.

H. Suitability of On-Site Soils

The existing fill/native topsoil and native cohesive soil are not suitable to use as fill material beneath proposed structures or pavements, or as material to be placed to backfill the below-grade section of foundation elements. Excavated fill/native topsoil could be stockpiled for use in landscaped areas only.

Existing granular native soil could be used as backfill material as long as the moisture content of the soil is in the proper range to obtain the required density at the time of compaction.

I. Site Grading Recommendations

Surface water from precipitation runoff if allowed to accumulate within the construction area can cause problems with construction. The contractor should grade the site to drain surface water away from the construction areas. Water accumulations in the construction area should be promptly removed. Any soil



softened, loosened or disturbed by water should be excavated, removed and replaced with compacted granular fill material or coarse crushed stone. Temporary surface water diversion structures, such as ditches and berms, could be constructed in areas where surface water drainage into the work area is encountered.

J. Project Safety

Safety precautions, such as those required by OSHA and the Wisconsin Department of Safety and Professional Services, should be followed throughout the entire construction of the proposed project. They include, but are not limited to, the proper sloping and/or support of excavation sidewalls and adjacent embankments, roadways, access ramps, sidewalks, utility lines, towers, and/or buildings.

VII. CLOSING COMMENTS

Soils & Engineering Services, Inc. prepared this report for the exclusive use of the City of Madison Parks Division to aid in the filling of the Eagle Trace Park site located at 10321 White Fox Lane in the City of Madison in Dane County, Wisconsin. The recommendations in this report are based on the project information provided to our office. Soils & Engineering Services, Inc. should review any changes in the nature, design, or location of the proposed improvements after submittal of this *Preliminary Geotechnical Exploration and Analyses Report* to revise the recommendations in the report, if necessary. The nature and extent of soil or groundwater variations may not become evident until the time of excavation or construction of the subject project. If soil or groundwater variations are evident at the time of excavation or construction, it will be necessary for Soils & Engineering Services, Inc. to re-evaluate the soil and groundwater, and other site conditions, which may result in the revision of our recommendations in this report.

Please read the *Important Information about This Geotechnical-Engineering Report* advisory sheet enclosed in Appendix B which provides comments about how to interpret and use this *Preliminary Geotechnical Exploration and Analyses Report* for the Site Fill project.

Soils & Engineering Services, Inc. should review the final design and specification documents for this project to verify that our recommendations regarding the proposed improvements are interpreted correctly and implemented in the design of the subject project as they are intended. We recommend that Soils & Engineering Services, Inc. be present at the time of construction to observe compliance with the design concept and specifications, and to provide recommendations to modify the design if subsurface conditions differ from those anticipated prior to construction. It is important that the exposed soil strength, degree of compaction, and other soil properties required be



confirmed and/or determined at the time of excavation and construction activities for the subject project.

The recommendations provided in this report are based on our identification/classification and interpretation of the soils and information given on the Boring Log Record, and may not be based solely on the contents of the driller's field log.

Soils & Engineering Services, Inc. prepared this report for the subject project in accordance with generally accepted geotechnical engineering practices at this time. Soils & Engineering Services, Inc. offers no other expressed or implied warranty.

Soils & Engineering Services, Inc. will store the soil samples obtained from the soil boring performed for this project for a period of 60 calendar days after the date of this report. Please advise us if we should extend this period.

We recommend that this *Preliminary Geotechnical Exploration and Analyses Report*, in its entirety, be made available to bidding contractors or subcontractors for information purposes. The Appendices, Boring Log Record, and/or other attachments referenced in this report should not be separated from the text of this report. This report should be considered invalid if used for purposes other than those described herein.

Soils & Engineering Services, Inc. respectfully submits this *Preliminary Geotechnical Exploration and Analyses Report*, dated December 9, 2019, to the **City of Madison Parks Division**.



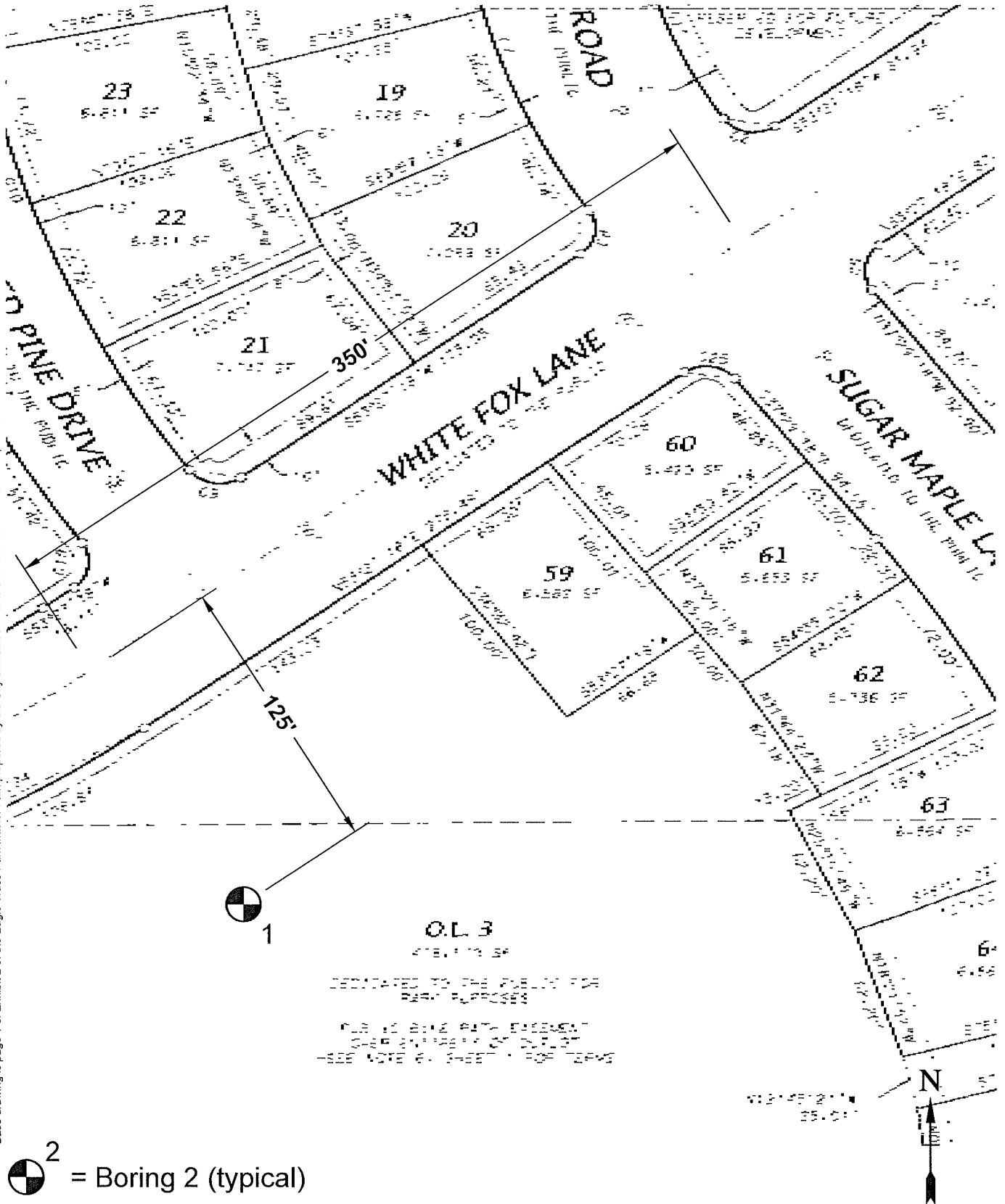
APPENDIX A

Appendix A Contents

- Location Sketch, Drawing 13300.31-1
- Notes and Legend Record for Boring Log Record
- Boring Log Record for Boring 1
- Laboratory Test Result Records, Figure 1



Base drawing is page 1 of Exhibit 2 of the Eagle Trace Park Master Plan prepared by the City of Madison Parks Division and dated June 12, 2019.



 ² = Boring 2 (typical)

NOT-TO-SCALE

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LOCATION SKETCH
 Eagle Trace Park
 10321 White Fox Lane
 City of Madison, Dane County, Wisconsin

DRAWING
 13300.19-1

NOTES

1. The boundary lines between different soil strata, as shown on the Boring Log Record, are approximate and may be gradual.
2. The boring field log contains a description of the soil conditions between samples based on the equipment performance and the soil cuttings. The Boring Log Record contains the description of the soil conditions as interpreted by a geotechnical engineer and/or a geologist after review of the boring field logs and soil samples and/or laboratory test results.
3. We define "Caved Level" as the depth below the existing ground surface at a boring location where the soils have collapsed into the borehole following removal of the drilling tools.
4. We define "Water Level" as the depth below the existing ground surface at a boring location to the level of water in the open borehole at the time indicated unless otherwise defined on the Boring Log Record.
5. We define "at completion" for a boring as being the time when our drilling crew has completed the removal of all drilling tools from the borehole.
6. The Notes and Legend Record and the Boring Log Record are a part of the geotechnical report. The geotechnical report should be included in the bidding or reference documents.

RELATIVE PERCENTAGE TERMS

no	0%
trace	<5%
few	5 to <10%
little	10 to <30%
some	30 to < 50%

TEST RESULTS LEGEND

q_p = Penetrometer reading, $\frac{ton}{ft^2}$
 MC = Moisture Content, % moisture by weight
 LL = Liquid Limit, % moisture by weight
 PL = Plastic Limit, % moisture by weight
 PI = Plasticity Index, % moisture by weight
 P_{200} = % Passing the No. 200-mesh Sieve

RELATIVE MOISTURE TERMS AT TIME OF SAMPLING

Frozen or F = Frozen material
 Dry = Dusty, dry to touch, absence of moisture
 Moist or M = Damp to touch, no visible water
 Wet or W = Visible free water


DRILLING METHODS LEGEND


HSA = Continuous flight hollow-stem augers


N-VALUE LEGEND

DS = Drove Stone

SAMPLER TYPE LEGEND

 Grab sample

 2-inch-outside-diameter, split-barrel sampler


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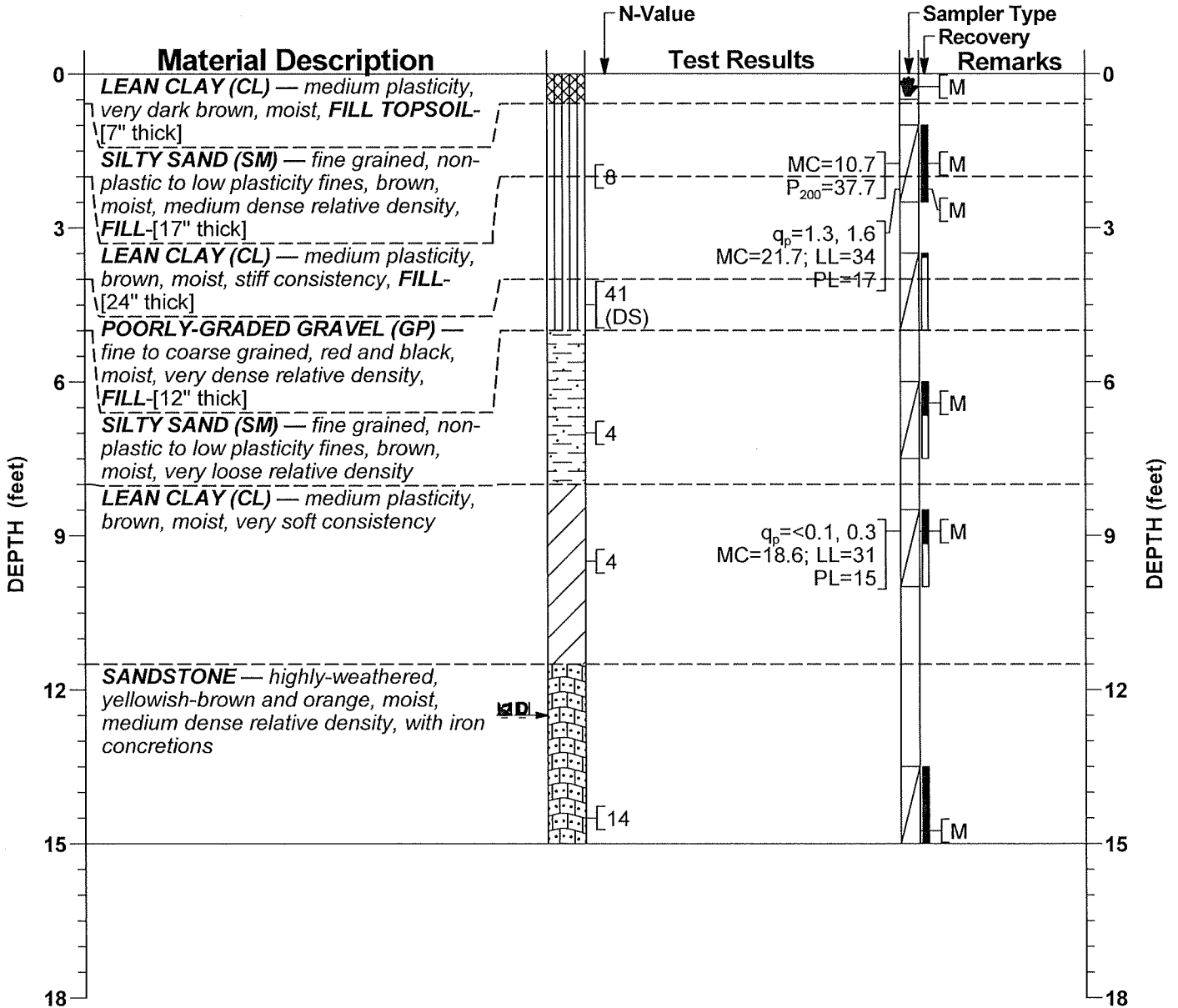
NOTES AND LEGEND RECORD
 Eagle Trace Park
 10321 White Fox Lane
 City of Madison, Dane County, Wisconsin

13300.19

General Location:

Boring 1

LATITUDE: —	LONGITUDE: —	COUNTY: Dane	SECTION: 20	CREW CHIEF: RRR	DRILL RIG: CME 550X	PAGE: 1 of 1
NORTHING: —	EASTING: —	TOWNSHIP: (Middleton) 7 N	¼: NE	LOG REVIEW: CMB	HAMMER TYPE: Automatic	TOTAL DEPTH: 15'-0"
STATION: —	OFFSET: —	RANGE: 8 E	¼ ¼: SE	LOG QC: CMB	DATE STARTED: 11/15/2019	DATE COMPLETED: 11/15/2019



WATER LEVEL LEGEND	OTHER LEVEL LEGEND
12'-6" Dry at completion	12'-6" Caved at completion

DRILL METHOD	TOOL SIZE	CASING SIZE	DRILL FLUID	DEPTH FROM	DEPTH TO	HOLE DIA
HSA	2 1/4"	—	None	0'-0"	15'-0"	6.3"
SAMPLING METHOD(S): ASTM D1586						
SURFACE PATCH: —						
BACKFILL: Auger Cuttings, Bentonite Chips, Caved Soil						

The Notes and Legend Record is considered a part of this Boring Log Record.

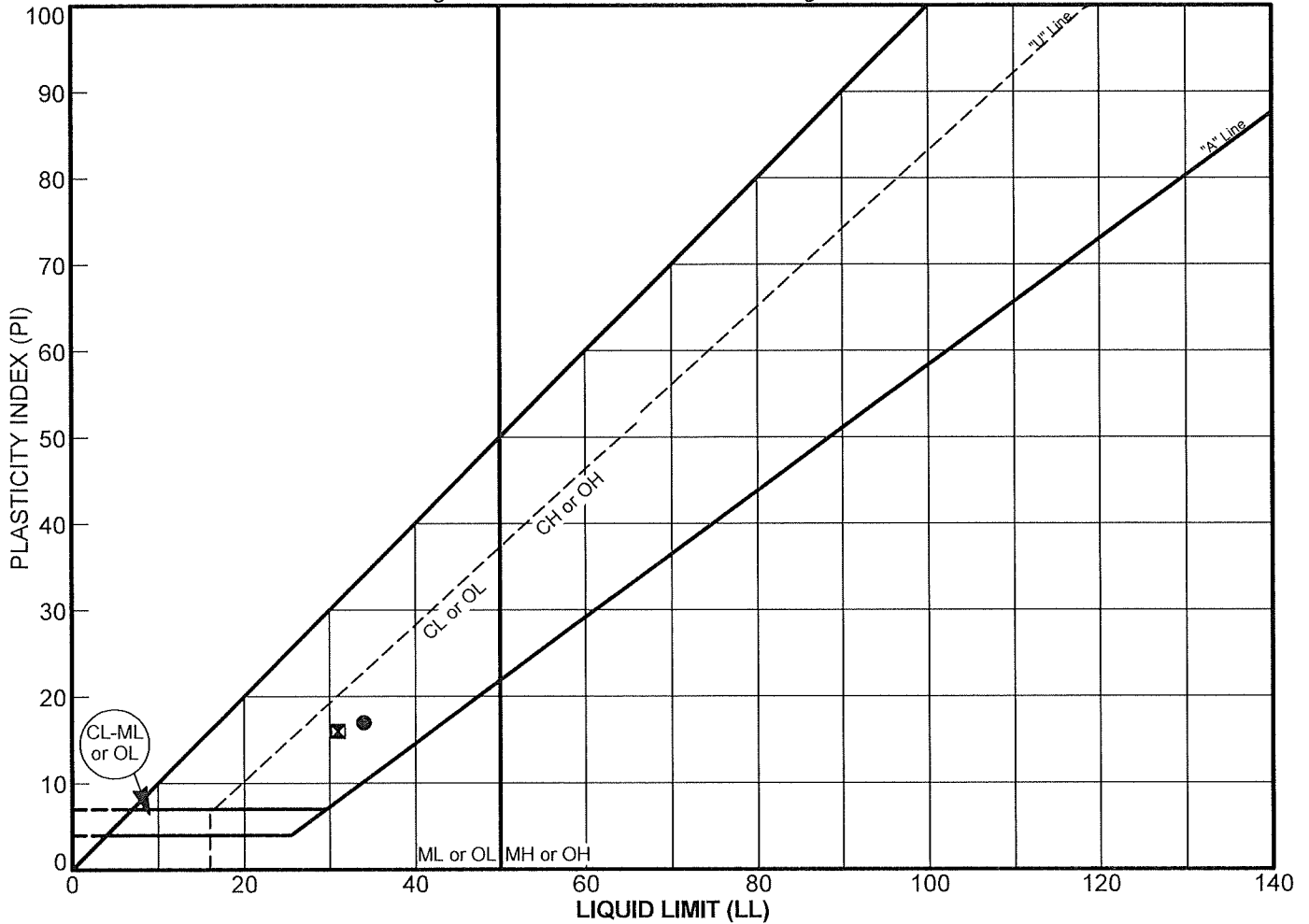
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BORING LOG RECORD
 Eagle Trace Park
 10321 White Fox Lane
 City of Madison, Dane County, Wisconsin

13300.19

ATTERBERG LIMITS TEST REPORT

ASTM Test Designation D4318/AASHTO Test Designations T89 & T90



Specimen Identification	LL	PL	PI	Sample Classification
● Boring 1, 2'-3" Depth	34	17	17	LEAN CLAY (CL) — medium plasticity, dark brown, moist, stiff consistency, FILL
✕ Boring 1, 8'-11" Depth	31	15	16	LEAN CLAY (CL) — medium plasticity, grayish-brown, moist, very soft to soft consistency

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LABORATORY TEST RESULT RECORD
 Eagle Trace Park
 10321 White Fox Lane
 City of Madison, Dane County, Wisconsin

13300.19
 FIGURE 1

APPENDIX B

Appendix B Contents

- *Important Information about This Geotechnical-Engineering Report advisory*



Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer

will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. *Do not* rely on an executive summary. *Do not* read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys.

Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the “Findings” Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site’s subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report’s Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals’ misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals’ plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note*

conspicuously that you’ve included the material for information purposes only. To avoid misunderstanding, you may also want to note that “informational purposes” means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled “limitations,” many of these provisions indicate where geotechnical engineers’ responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a “phase-one” or “phase-two” environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer’s services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, *proper implementation of the geotechnical engineer’s recommendations will not of itself be sufficient to prevent moisture infiltration.* Confront the risk of moisture infiltration by including building-envelope or mold specialists on the design team. *Geotechnical engineers are not building-envelope or mold specialists.*

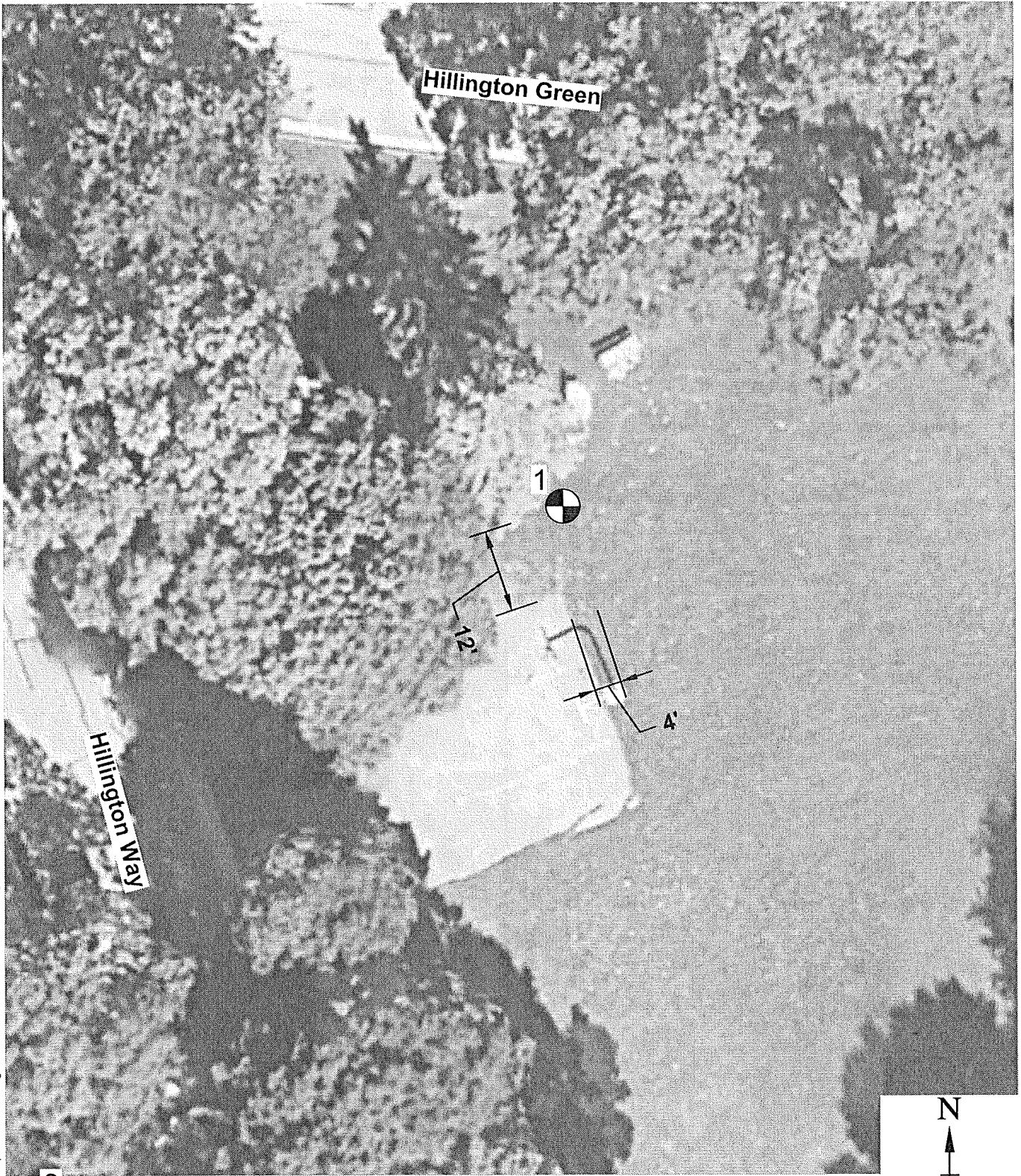


Telephone: 301/565-2733

e-mail: info@geoprofessional.org www.geoprofessional.org

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Map Source: "Hillington Green Park, Madison, WI." Google Earth September 2014 Aerial. Accessed December 16, 2019.



2 = Boring 2 (typical)



NOT-TO-SCALE



Soils & Engineering Services, Inc.

1102 STEWART STREET • MADISON, WISCONSIN 53713
Phone: 608-274-7600 • 888-866-SOIL (7645)
Fax: 608-274-7511 • Email: soils@soils.ws

CONSULTING CIVIL ENGINEERS SINCE 1966

LOCATION SKETCH

Hillington Green Park
435 Hillington Way
City of Madison, Dane County, Wisconsin

DRAWING
13300.21-1

NOTES

1. The boundary lines between different soil strata, as shown on the Boring Log Record, are approximate and may be gradual.
2. The boring field log contains a description of the soil conditions between samples based on the equipment performance and the soil cuttings. The Boring Log Record contains the description of the soil conditions as interpreted by a geotechnical engineer and/or a geologist after review of the boring field logs and soil samples and/or laboratory test results.
3. We define "Caved Level" as the depth below the existing ground surface at a boring location where the soils have collapsed into the borehole following removal of the drilling tools.
4. We define "Water Level" as the depth below the existing ground surface at a boring location to the level of water in the open borehole at the time indicated unless otherwise defined on the Boring Log Record.
5. We define "at completion" for a boring as being the time when our drilling crew has completed the removal of all drilling tools from the borehole.
6. The Notes and Legend Record and the Boring Log Record should not be separated.

RELATIVE PERCENTAGE TERMS

no	0%
trace	<5%
few	5 to <10%
little	10 to <30%
some	30 to < 50%

TEST RESULTS LEGEND

q_p = Penetrometer reading, $\frac{\text{ton}}{\text{ft}^2}$


RELATIVE MOISTURE TERMS AT TIME OF SAMPLING


Frozen or F = Frozen material
 Dry = Dusty, dry to touch, absence of moisture
 Moist or M = Damp to touch, no visible water
 Wet or W = Visible free water

DRILLING METHODS LEGEND

HSA = Continuous flight hollow-stem augers

SAMPLER TYPE LEGEND

 Grab sample

 2-inch-outside-diameter, split-barrel sampler

 **Soils & Engineering Services, Inc.**
 1102 STEWART STREET • MADISON, WISCONSIN 53713
 Phone: 608-274-7600 • 888-866-SOIL (7645)
 Fax: 608-274-7511 • Email: soils@soils.ws
 CONSULTING CIVIL ENGINEERS SINCE 1966

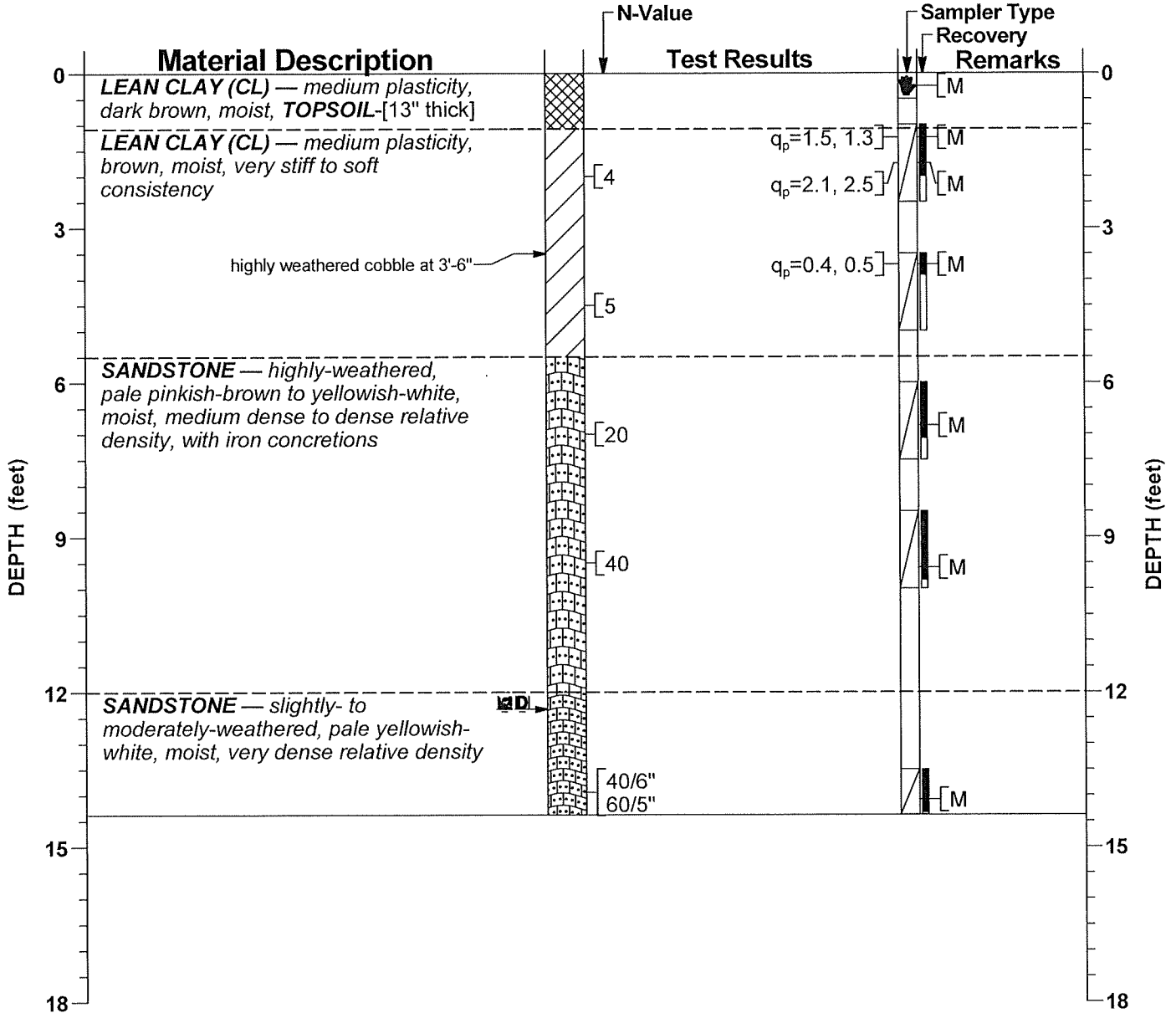
NOTES AND LEGEND RECORD
 Hillington Green Park
 435 Hillington Way
 City of Madison, Dane County, Wisconsin

13300.21

General Location:

Boring 1

LATITUDE: —	LONGITUDE: —	COUNTY: Dane	SECTION: 21	CREW CHIEF: SJH	DRILL RIG: CME 550X	PAGE: 1 of 1
NORTHING: —	EASTING: —	TOWNSHIP: (Madison) 7 N	¼: SE	LOG REVIEW: CMB	HAMMER TYPE: Automatic (80%)	TOTAL DEPTH: 14'-4 1/2"
STATION: —	OFFSET: —	RANGE: 9 E	¼ ¼: SE	LOG QC: CMB	DATE STARTED: 12/10/2019	DATE COMPLETED: 12/10/2019



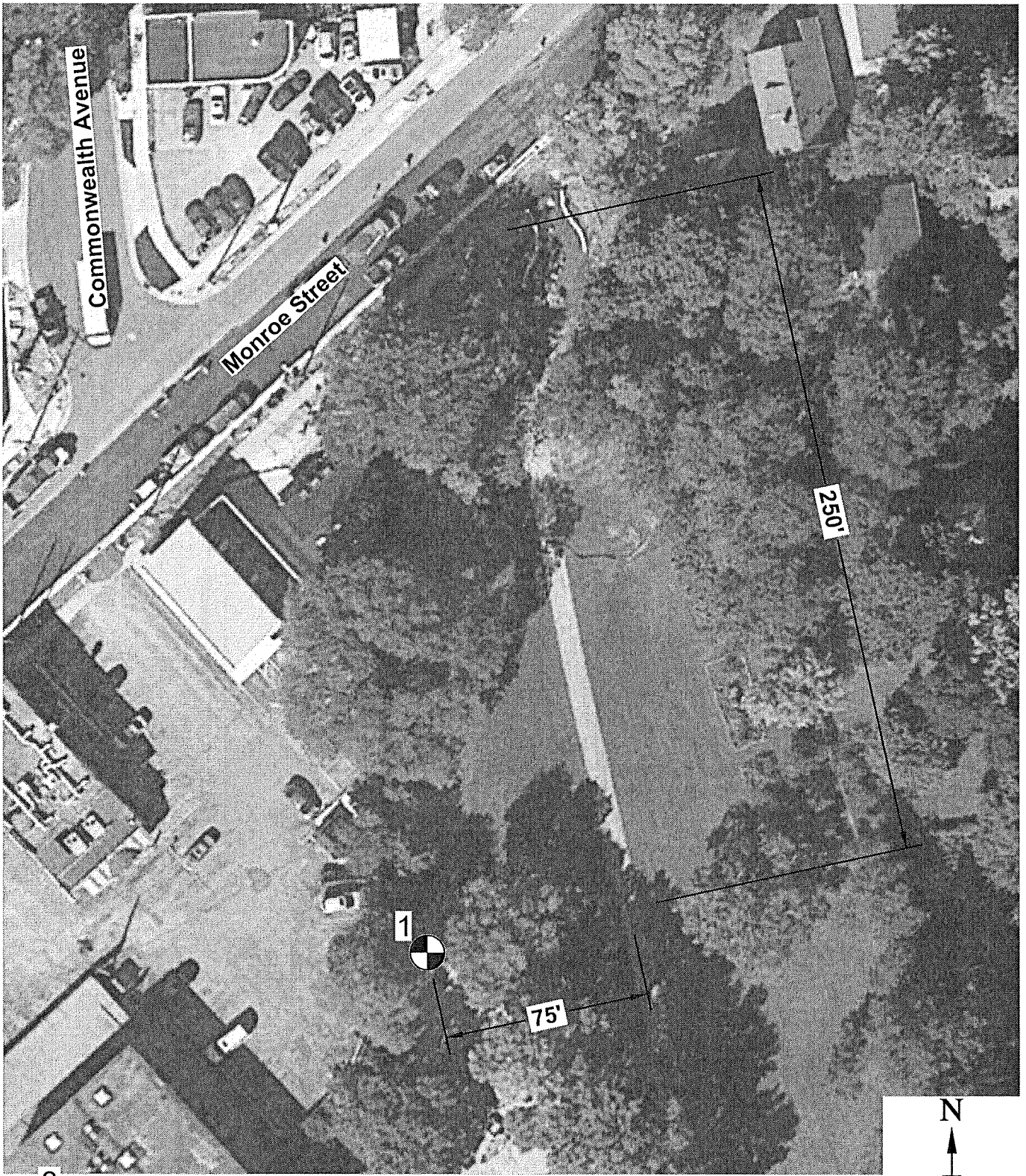
WATER LEVEL LEGEND	OTHER LEVEL LEGEND
D 12'-4" Dry at completion	M 12'-4" Caved at completion

DRILL METHOD	TOOL SIZE	CASING SIZE	DRILL FLUID	DEPTH FROM	DEPTH TO	HOLE DIA
HSA	2 1/4"	—	None	0'-0"	14'-4 1/2"	6.3"
SAMPLING METHOD(S): ASTM D1586						
SURFACE PATCH: —						
BACKFILL: Auger Cuttings, Bentonite Chips, Caved Soil						

The Notes and Legend Record is considered a part of this Boring Log Record.

<p>Soils & Engineering Services, Inc. 1102 STEWART STREET • MADISON, WISCONSIN 53713 Phone: 608-274-7600 • 888-866-SOIL (7645) Fax: 608-274-7511 • Email: soils@soils.ws CONSULTING CIVIL ENGINEERS SINCE 1966</p>	<p>BORING LOG RECORD Hillington Green Park 435 Hillington Way City of Madison, Dane County, Wisconsin</p>	13300.21
	<p>Printed on 12/19/2019</p>	

Map Source: "824 Knickerbocker Street, Madison, WI." Google Earth, October 2018 Aerial, Accessed December 17, 2019.



= Boring 2 (typical)

N
↑
+
↓
NOT-TO-SCALE



Soils & Engineering Services, Inc.

1102 STEWART STREET • MADISON, WISCONSIN 53713
Phone: 608-274-7600 • 888-866-SOIL (7645)
Fax: 608-274-7511 • Email: soils@soils.ws

CONSULTING CIVIL ENGINEERS SINCE 1966

LOCATION SKETCH

Wingra Park
824 Knickerbocker Street
City of Madison, Dane County, Wisconsin

DRAWING
13300.30-1

NOTES

1. The boundary lines between different soil strata, as shown on the Boring Log Record, are approximate and may be gradual.
2. The boring field log contains a description of the soil conditions between samples based on the equipment performance and the soil cuttings. The Boring Log Record contains the description of the soil conditions as interpreted by a geotechnical engineer and/or a geologist after review of the boring field logs and soil samples and/or laboratory test results.
3. We define "Caved Level" as the depth below the existing ground surface at a boring location where the soils have collapsed into the borehole following removal of the drilling tools.
4. We define "Water Level" as the depth below the existing ground surface at a boring location to the level of water in the open borehole at the time indicated unless otherwise defined on the Boring Log Record.
5. We define "at completion" for a boring as being the time when our drilling crew has completed the removal of all drilling tools from the borehole.
6. The Notes and Legend Record and the Boring Log Record should not be separated.

RELATIVE PERCENTAGE TERMS

no	0%
trace	<5%
few	5 to <10%
little	10 to <30%
some	30 to < 50%

TEST RESULTS LEGEND

q_p = Penetrometer reading, $\frac{\text{ton}}{\text{ft}^2}$


RELATIVE MOISTURE TERMS AT TIME OF SAMPLING


Frozen or F = Frozen material
 Dry = Dusty, dry to touch, absence of moisture
 Moist or M = Damp to touch, no visible water
 Wet or W = Visible free water

DRILLING METHODS LEGEND

HSA = Continuous flight hollow-stem augers

SAMPLER TYPE LEGEND

 Grab sample

 2-inch-outside-diameter, split-barrel sampler



Soils & Engineering Services, Inc.

1102 STEWART STREET • MADISON, WISCONSIN 53713
 Phone: 608-274-7600 • 888-866-SOIL (7645)
 Fax: 608-274-7511 • Email: soils@soils.ws

CONSULTING CIVIL ENGINEERS SINCE 1966

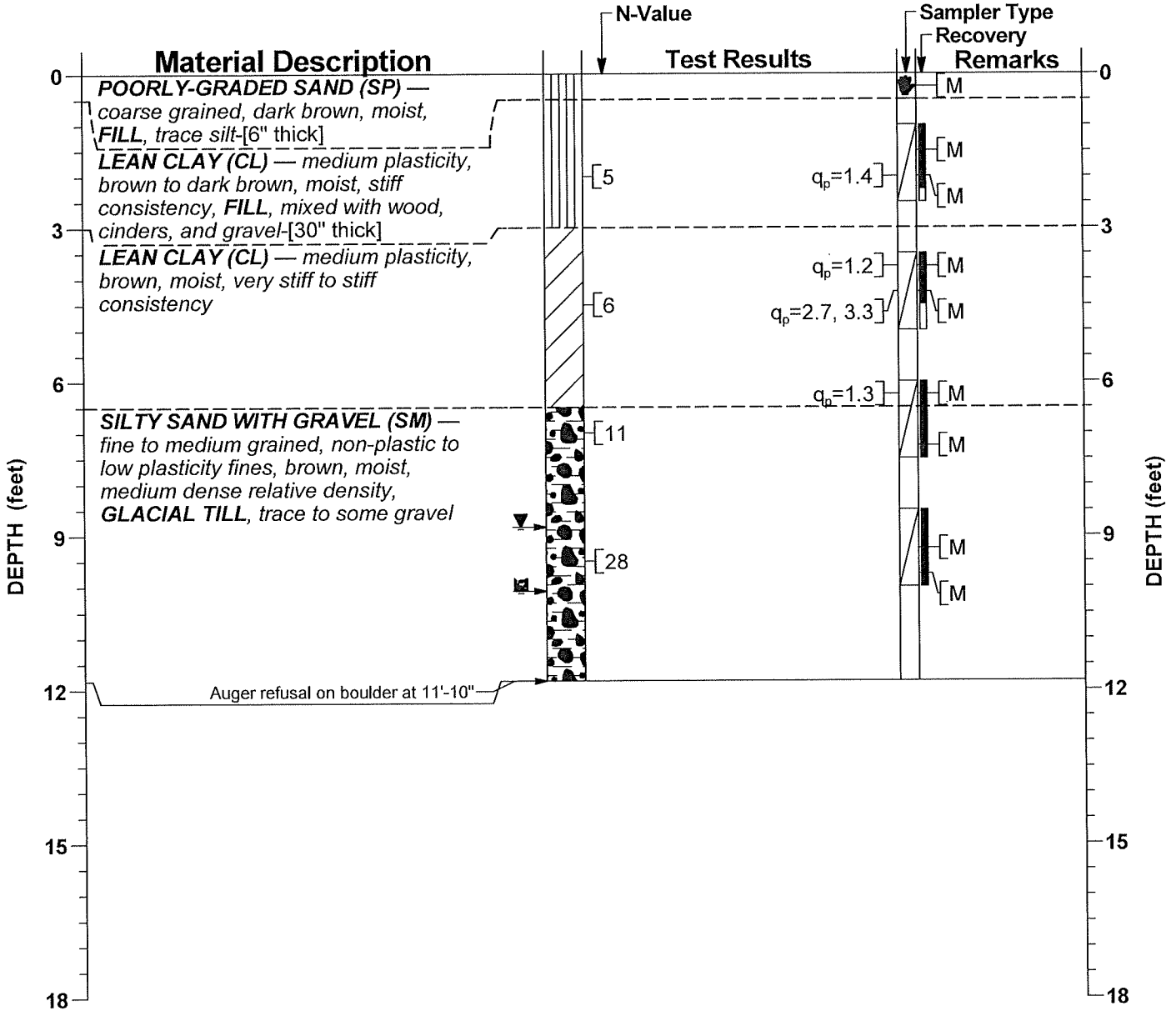
NOTES AND LEGEND RECORD
 Wingra Park
 824 Knickerbocker Street
 City of Madison, Dane County, Wisconsin

13300.30

General Location:

Boring 1

LATITUDE: ---	LONGITUDE: ---	COUNTY: Dane	SECTION: 28	CREW CHIEF: SWK	DRILL RIG: Geoprobe 7822DT	PAGE: 1 of 1
NORTHING: ---	EASTING: ---	TOWNSHIP: (Madison) 7 N	¼: NE	LOG REVIEW: CMB	HAMMER TYPE: Automatic (80%)	TOTAL DEPTH: 11'-10"
STATION: ---	OFFSET: ---	RANGE: 9 E	¼¼: NE	LOG QC: CMB	DATE STARTED: 12/06/2019	DATE COMPLETED: 12/06/2019



WATER LEVEL LEGEND	OTHER LEVEL LEGEND
▼ 8'-10" at completion	⊠ 10'-1" Caved at completion

DRILL METHOD	TOOL SIZE	CASING SIZE	DRILL FLUID	DEPTH FROM	DEPTH TO	HOLE DIA
HSA	2 1/4"	—	None	0'-0"	11'-10"	6.3"
SAMPLING METHOD(S): ASTM D1586						
SURFACE PATCH: —						
BACKFILL: Auger Cuttings, Bentonite Chips, Caved Soil						

The Notes and Legend Record is considered a part of this Boring Log Record.

Soils & Engineering Services, Inc.
 1102 STEWART STREET • MADISON, WISCONSIN 53713
 Phone: 608-274-7600 • 888-866-SOIL (7645)
 Fax: 608-274-7511 • Email: soils@soils.ws
 CONSULTING CIVIL ENGINEERS SINCE 1966

BORING LOG RECORD
 Wingra Park
 824 Knickerbocker Street
 City of Madison, Dane County, Wisconsin

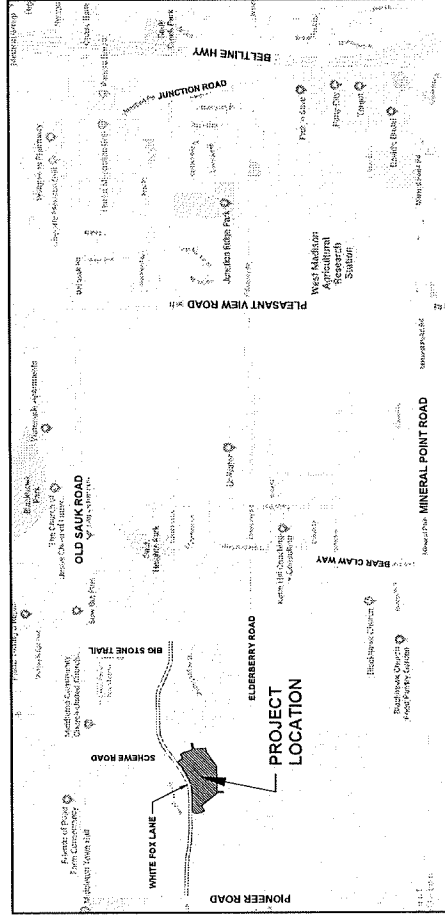
13300.30

APPENDIX C:
EAGLE TRACE PARK PLANS

2020 - EAGLE TRACE PARK IMPROVEMENTS

EAGLE TRACE NEIGHBORHOOD MADISON, WI

SITE PLAN REVIEW SET



PROJECT LOCATION - NOT TO SCALE

SHEET INDEX

- C001 COVER SHEET
- C100 EXISTING SITE PLAN
- C101 TREE PROTECTION & REMOVAL PLAN
- C200 PROPOSED SITE PLAN
- C300 OVERALL GRADING PLAN
- C301 GRADING & EROSION CONTROL PLAN
- C302 GRADING & EROSION CONTROL PLAN
- C303 GRADING & EROSION CONTROL PLAN
- C304 OVERALL RESTORATION PLAN
- C400 PATH PLAN & PROFILE
- C401 PATH PLAN & PROFILE
- C402 PATH PLAN & PROFILE
- C500 STORM PLAN & PROFILE
- C600 CONSTRUCTION DETAILS
- C601 EROSION CONTROL DETAILS & NOTES
- C602 SUN SHELTER DETAILS

City of Madison
Department of Public Works
PARKS DIVISION
City Center Building, Suite 104
210 Monroe, Luther King, Jr. Blvd.
PO Box 2987
Madison, WI 53701-2987



PROJECT:
2020 - EAGLE TRACE
PARK
IMPROVEMENTS

**EAGLE TRACE
PARK**
OUTLOT 3
EAGLE TRACE
10321 WHITE FOX LANE
MADISON, WI

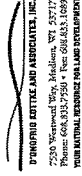
Although every effort has been made to ensure the accuracy of the information presented herein, the user assumes all responsibility for the use of the information presented herein.

ITEM _____ DATE _____
Drawn By: MS 03-04-2020
Approved By: DP 03-04-2020

CONTRACT #: 9424

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
C001



PRINCIPAL ENGINEERS AND ASSOCIATES, INC.
7503 Wisconsin Valley, Madison, WI 53717
Phone: 608.337.7500 • Fax: 608.337.1599
YOUR NATURAL RESOURCE VIA LAND DEVELOPMENT

NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987



Graphical Scale
 0 100'

PROJECT:
 2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS

**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

Approved by the Office of the Director of Public Works for the purpose of providing the City of Madison with the information necessary to review and approve the proposed improvements to the park. This information is provided for informational purposes only and does not constitute a contract for the work.

ITEM	DATE
Drawn By: AG	09-04-2020
Approved By: BD	03-04-2020

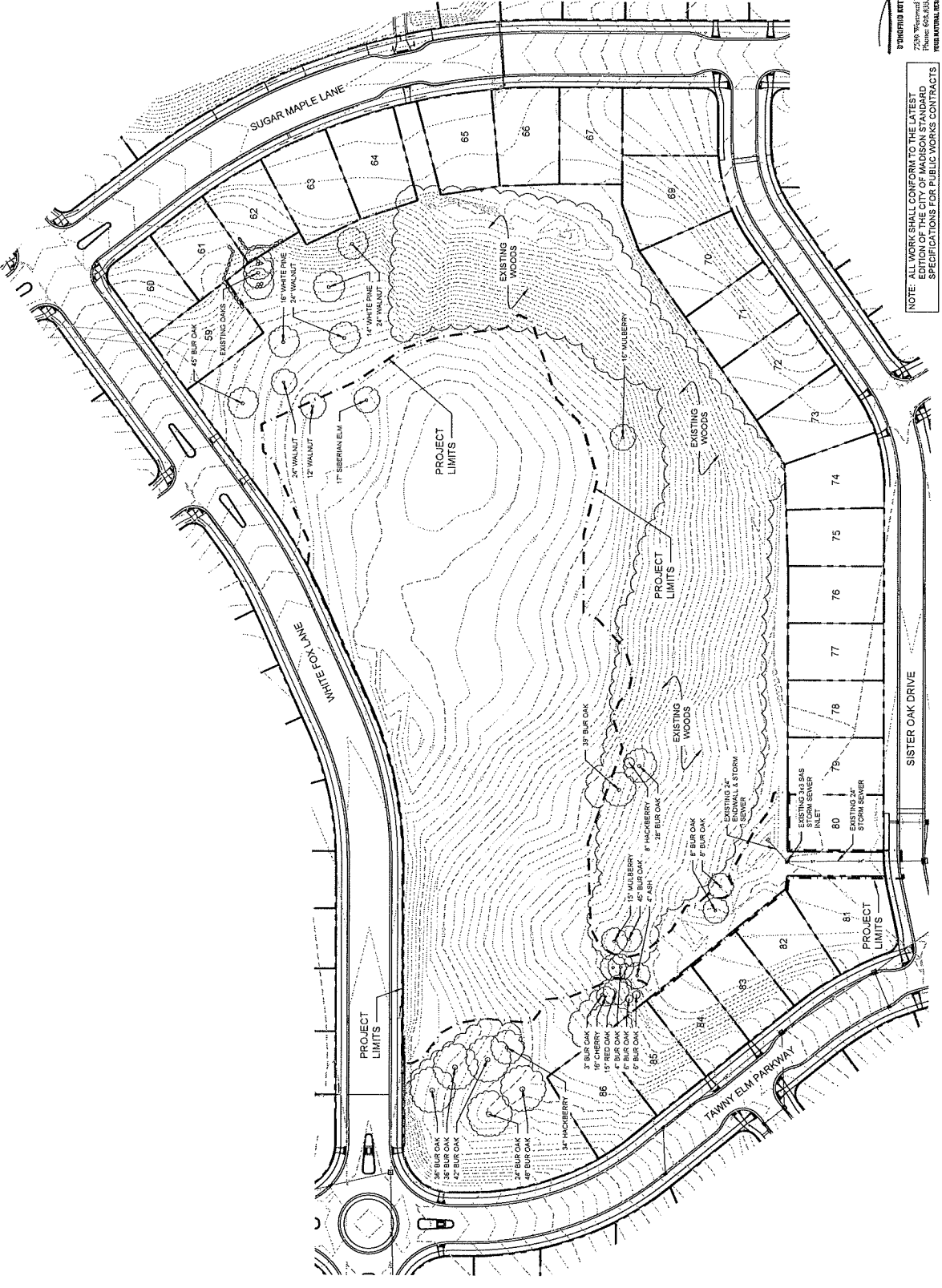
CONTRACT #:
9424

SHEET TITLE:
**EXISTING SITE
 PLAN**

SHEET NUMBER:
C100

STANBRIA RUTTEN & ASSOCIATES, INC.
 7250 Woodmont Way, Madison, WI 53719
 (608) 261-1111
 WWW.STANBRIA.COM

NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS



City of Madison
 Department of Public Works
PARKS DIVISION
 City County Building, Suite 104
 210 North Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987



Graphical Scale
 0 100'

PROJECT:
 2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS

**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

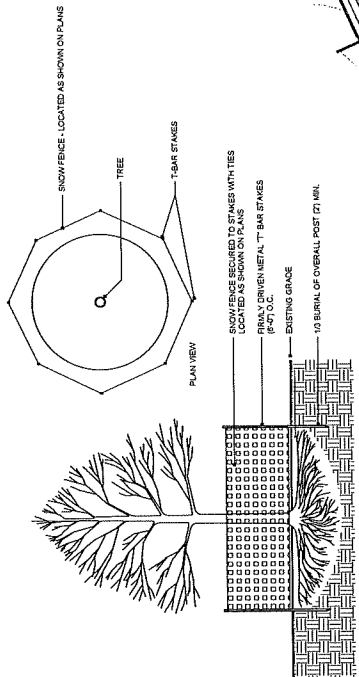
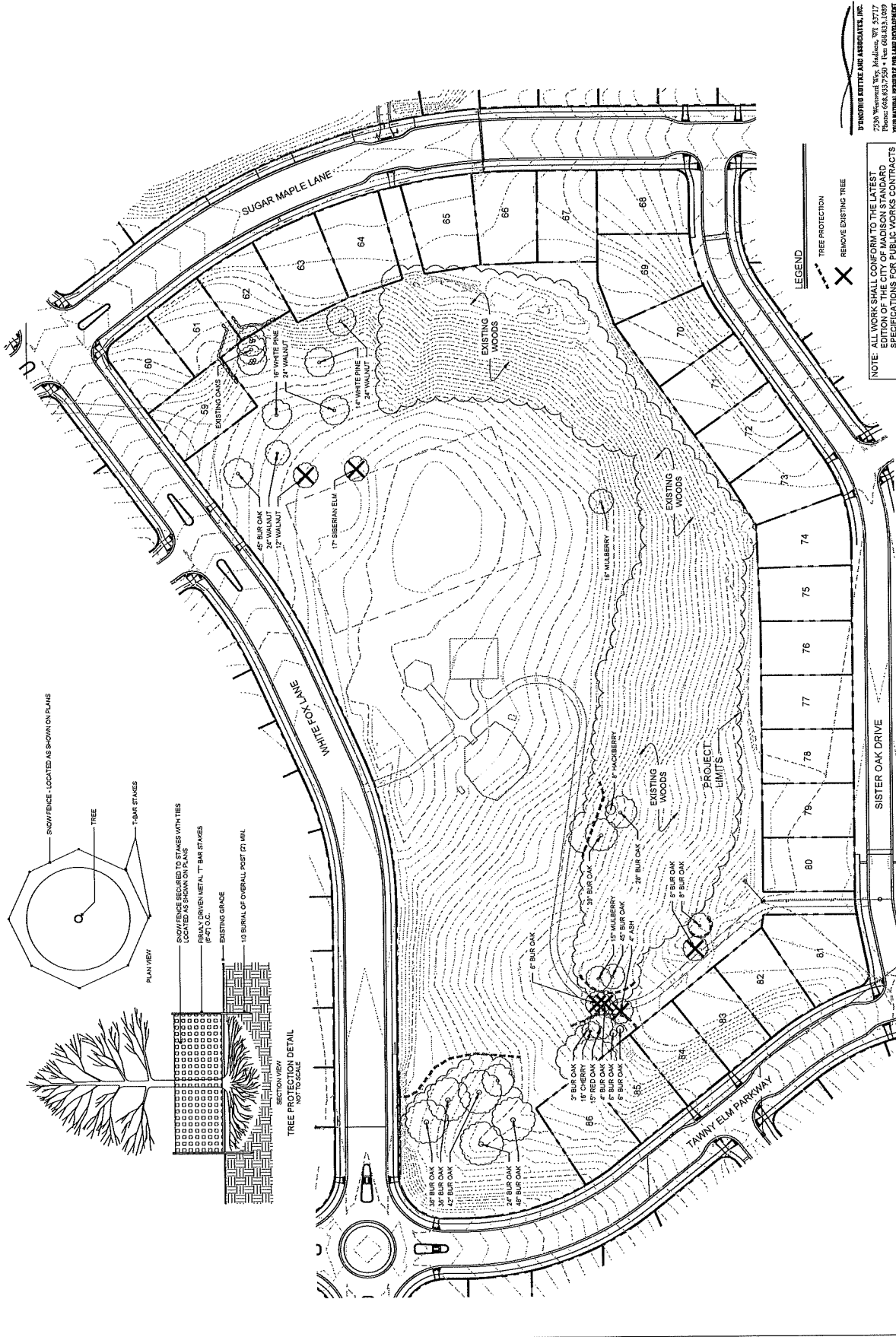
Although every effort has been made to ensure the accuracy of the information shown on this drawing, the contractor shall be responsible for the field verification of all measurements and conditions.

ITEM DATE
 Drawn by: AS 09-04-2020
 Approved by: DP 09-04-2020

CONTRACT #: 9424

SHEET TITLE:
**TREE PROTECTION
 & REMOVAL PLAN**

SHEET NUMBER:
C101



LEGEND
 --- TREE PROTECTION
 X REMOVE EXISTING TREE

NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

PERKINS EDWARDS AND ASSOCIATES, INC.
 2015 McFarland Way, Madison, WI 53717
 Phone: 608.263.7550 • Fax: 608.263.1499
 WWW.NATURAL_RESOURCE.PLAN.LAND DEVELOPMENT

City of Madison
 Department of Public Works
PARKS DIVISION
 City-Council Building, Suite 104
 210 Martin Luther King, Jr. Blvd
 PO Box 2987
 Madison, WI 53701-2987



Graphical Scale
 0 100'

PROJECT:
**2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS**

**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

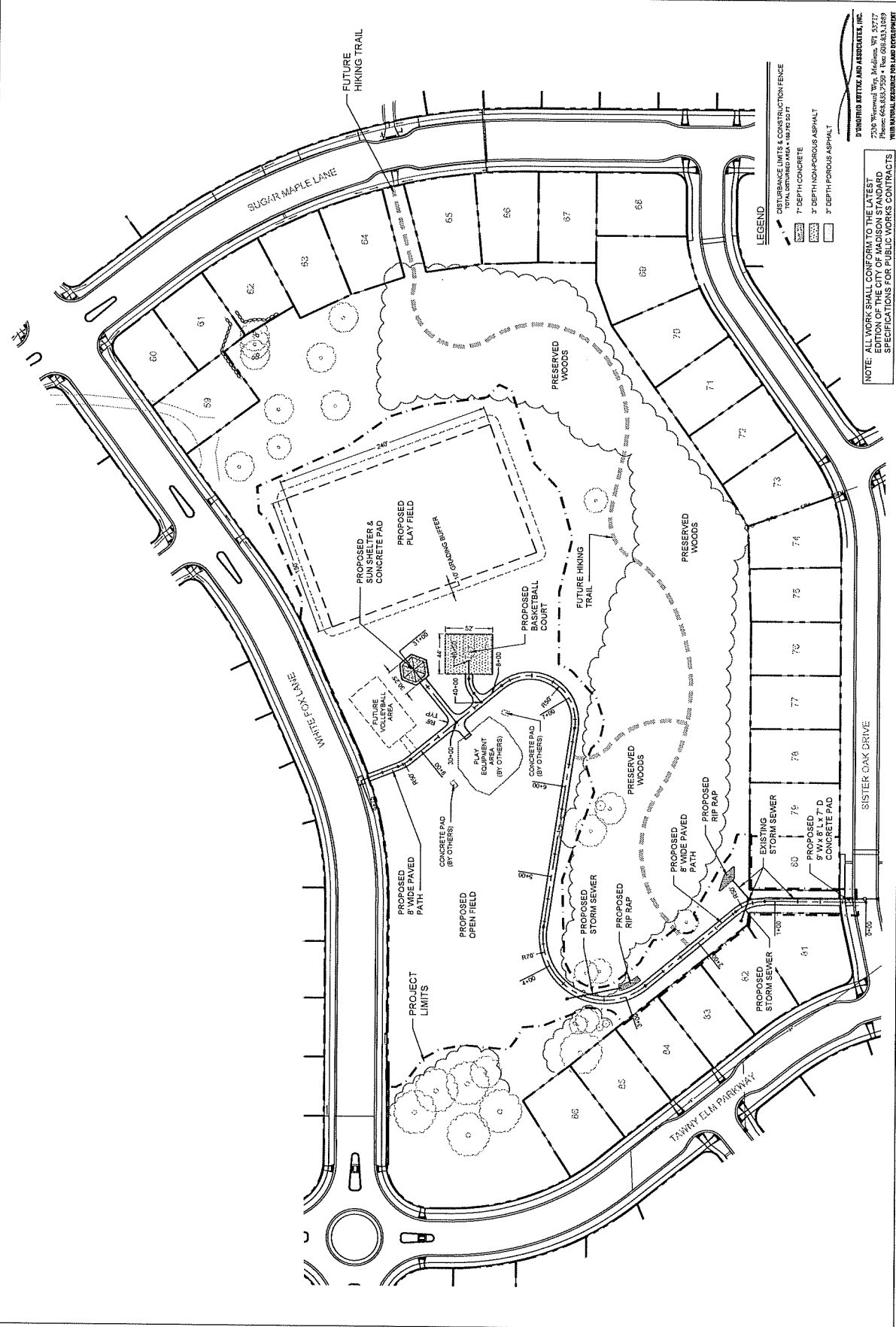
Although every effort has been made to ensure the accuracy of the information presented on this drawing, the contractor shall be responsible for verifying the information shown on this drawing prior to construction.

ITEM	DATE
Drawn by: AS	03-04-2020
Approved by: DD	03-04-2020

CONTRACT #:
9424

SHEET TITLE:
**PROPOSED
 SITE PLAN**

SHEET NUMBER:
C200



LEGEND

- DISTURBANCE LIMITS & CONSTRUCTION FENCE
- TOTAL DISTURBED AREA = 89,792 SQ. FT.
- 7" DEPTH CONCRETE
- 3" DEPTH NON-POROUS ASPHALT
- 3" DEPTH POROUS ASPHALT

DUNBRID ARTIFICAL AND ASSOCIATES, INC.
 2530 Westwood Way, Madison, WI 53717
 Phone: 608.261.1189
 Fax: 608.261.1189
 WWW.DUNBRIDARTIFICAL.COM

**NOTE: ALL WORK SHALL CONFORM TO THE LATEST
 EDITION OF THE CITY OF MADISON STANDARD
 SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS**

City of Madison
 Department of Public Works
PARKS DIVISION
 City County Building, Cycle 104
 210 Walnut Lane, 4th Fl. Bldg.
 Madison, WI 53701-2987



Graphical Scale
 0 100'

PROJECT:
 2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS

EAGLE TRACE
 PARK
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

ITEM	DATE
Drawn By: JAS	05-04-2020
Approved By: DD	07-04-2020

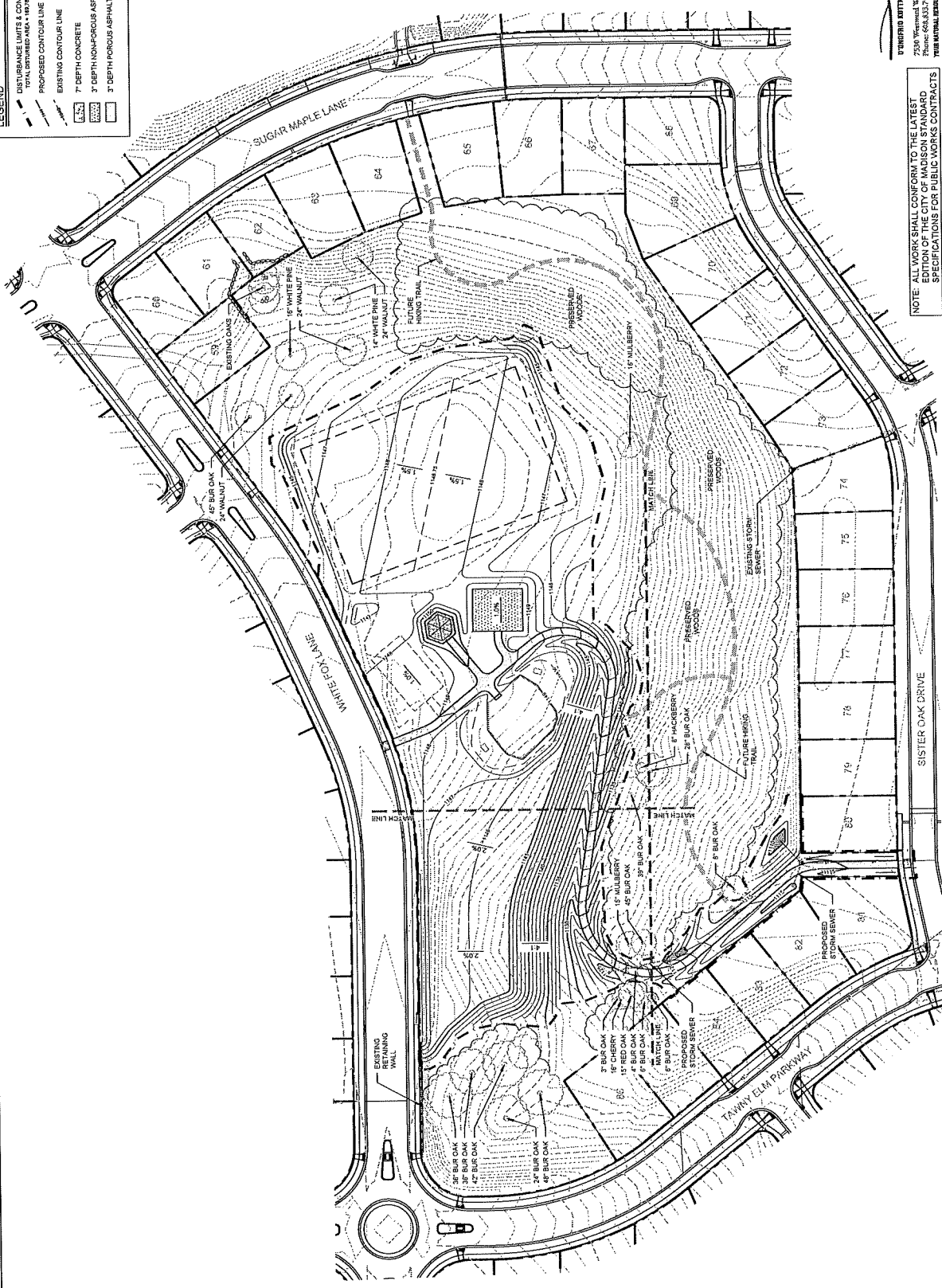
CONTRACT #: 9424

SHEET TITLE:
 OVERALL
 GRADING PLAN

SHEET NUMBER:
C300

LEGEND

	DISTURBANCE LIMITS & CONSTRUCTION FENCE
	TOTAL DISTURBED AREA - 18,745.50 SF
	PROPOSED CONTOUR LINE
	EXISTING CONTOUR LINE
	7" DEPTH CONCRETE
	3" DEPTH NON-POROUS ASPHALT
	3" DEPTH POROUS ASPHALT



NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

FRANCIS BENTLEY AND ASSOCIATES, INC.
 2300 UNIVERSITY AVENUE, SUITE 200, RT. 15017
 MADISON, WI 53706-3750 • PHONE: 608.833.1239
 FAX: 608.833.1239
 WWW.FRANCISBENTLEY.COM
 YOUR MUTUAL ASSURANCE FOR LAND DEVELOPMENT

City of Madison
 Department of Public Works
PARKS DIVISION
 City County Building, Suite 204
 210 West Washington, St. Bldg.
 Madison, WI 53701-2987

play
MADISON
PARKS

Graphical Scale
 0 40'

PROJECT:
 2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS

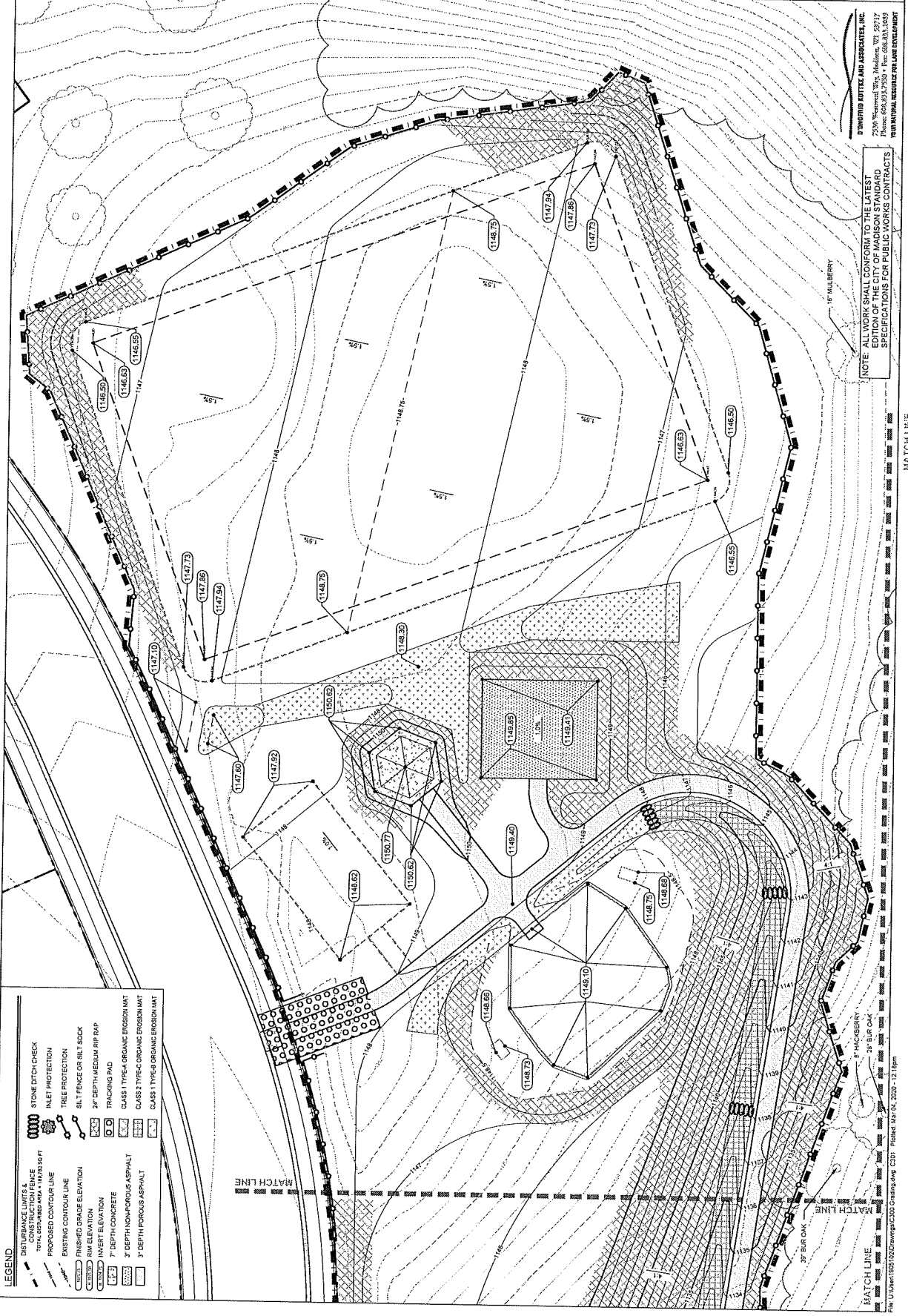
**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

Although every effort has been made to ensure the accuracy of the information and calculations contained herein, the user assumes all responsibility for the use of the information for the project.
 ITEM DATE
 Drawn by: AGS 03-04-2020
 Approved by: GD 03-04-2020

CONTRACT #: 9424

SHEET TITLE:
**GRADING &
 EROSION
 CONTROL PLAN**

SHEET NUMBER:
C301



LEGEND

	DISTURBANCE LIMITS & CONSTRUCTION FENCE		STONE DITCH CHECK
	PROPOSED CONTOUR LINE		TREE PROTECTION
	EXISTING CONTOUR LINE		SILT FENCE OR SALT ROCK
	FINISHED GRADE ELEVATION		24\"/>
	RIM ELEVATION		TRACING PAD
	INLET ELEVATION		CLASS 1 TYPE-A ORGANIC EROSION MAT
	7\"/>		CLASS 2 TYPE-C ORGANIC EROSION MAT
	9\"/>		CLASS 1 TYPE-E ORGANIC EROSION MAT
	9\"/>		CLASS 2 TYPE-E ORGANIC EROSION MAT

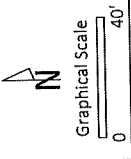
D'AMICO KOTTICK AND ASSOCIATES, INC.
 7500 Westwood Way, Madison, WI 53717
 Phone: 608.327.7930 • Fax: 608.331.8659
 www.damico-kottick.com • License: Professional Engineer

NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

MATCH LINE
 39' BUR OAK
 16' MALBERRY
 39' BUR OAK
 16' MALBERRY
MATCH LINE

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987

play
MADISON
PARKS



PROJECT:
**2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS**

**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

Although every effort has been made to ensure the accuracy of the information contained herein, the contractor and subcontractor shall be responsible for the work.

ITEM	DATE
Drawn by: AIC	03/04/2020
Reviewed by: DP	03/04/2020

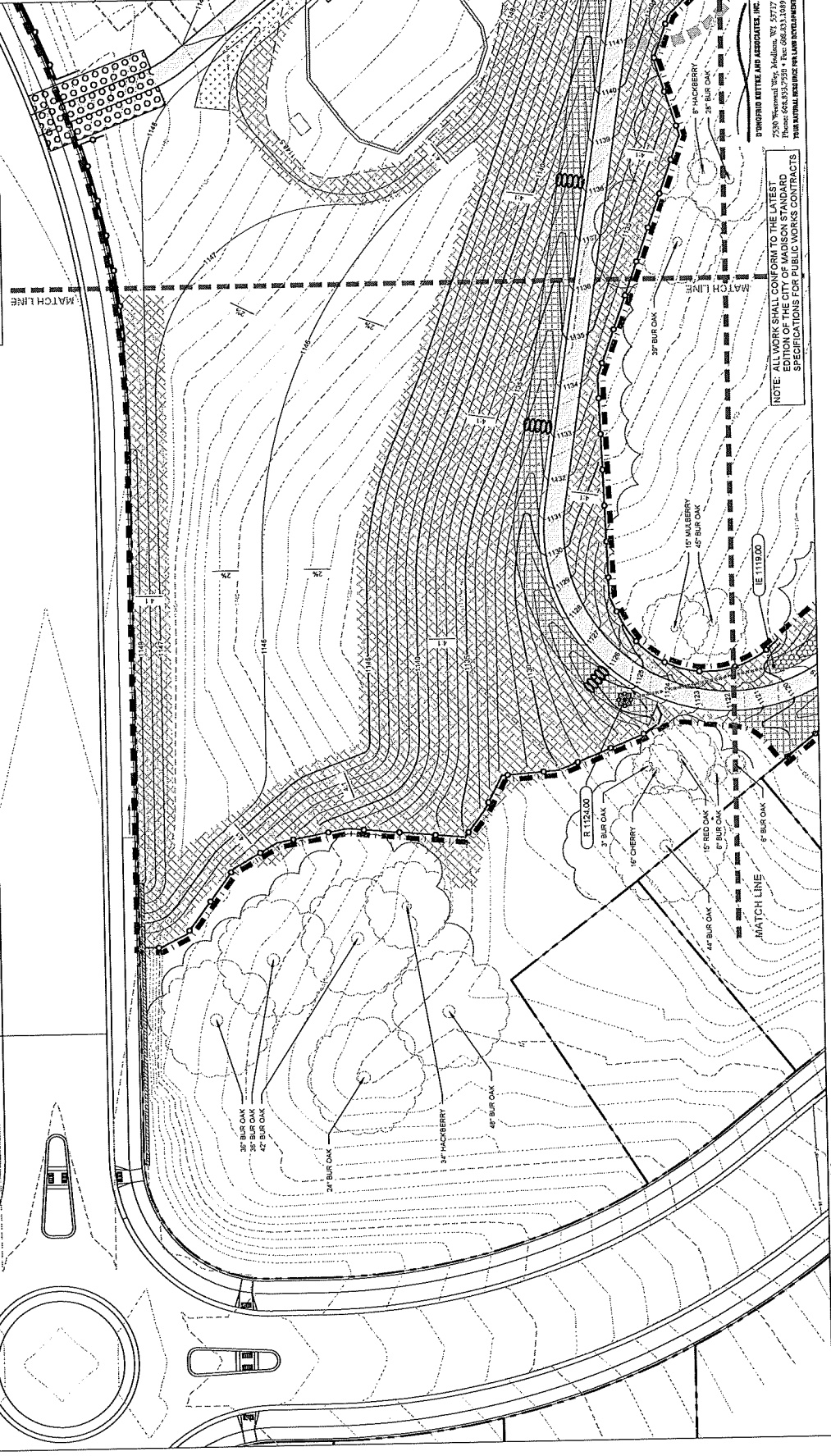
CONTRACT #:
9424

SHEET TITLE:
**GRADING &
 EROSION
 CONTROL PLAN**

SHEET NUMBER:
C302

LEGEND

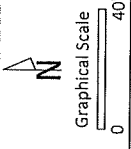
	DISTURBANCE LIMITS & EROSION CONTROL
	PROPOSED CONTOUR LINE
	EXISTING CONTOUR LINE
	FINISHED GRADE ELEVATION
	RIM ELEVATION
	INVERT ELEVATION
	2' DEPTH NONPOROUS ASPHALT
	2' DEPTH POROUS ASPHALT
	STONE DITCH CHECK
	INLET PROTECTION
	TREE PROTECTION
	SILT FENCE OR SILT SOCK
	24' DEPTH MEDIUM RIP RAP
	TRACKING PAD
	CLASS 1 TYPE A ORGANIC EROSION MAT
	CLASS 2 TYPE B ORGANIC EROSION MAT
	CLASS 3 TYPE C ORGANIC EROSION MAT



NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS.

SYNOPSIS BY THE ASSOCIATES, INC.
 2500 Wisconsin Ave., Madison, WI 53717
 Phone: 608.939.7500 • Fax: 608.331.1839
 THIS MATERIAL IS PROVIDED FOR YOUR INFORMATION ONLY.

City of Madison
 Department of Public Works
PARKS DIVISION
 City County Building, Suite 602
 210 North Liberty Street, 16. Bldg.
 Madison, WI 53701-2897



PROJECT:
**2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS**

**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

Always verify every detail for every material in the drawing. The contractor shall be responsible for providing and for the availability of the materials.

ITEM	DATE
Drawn by: AS	03-04-2020
Approved by: DD	03-04-2020

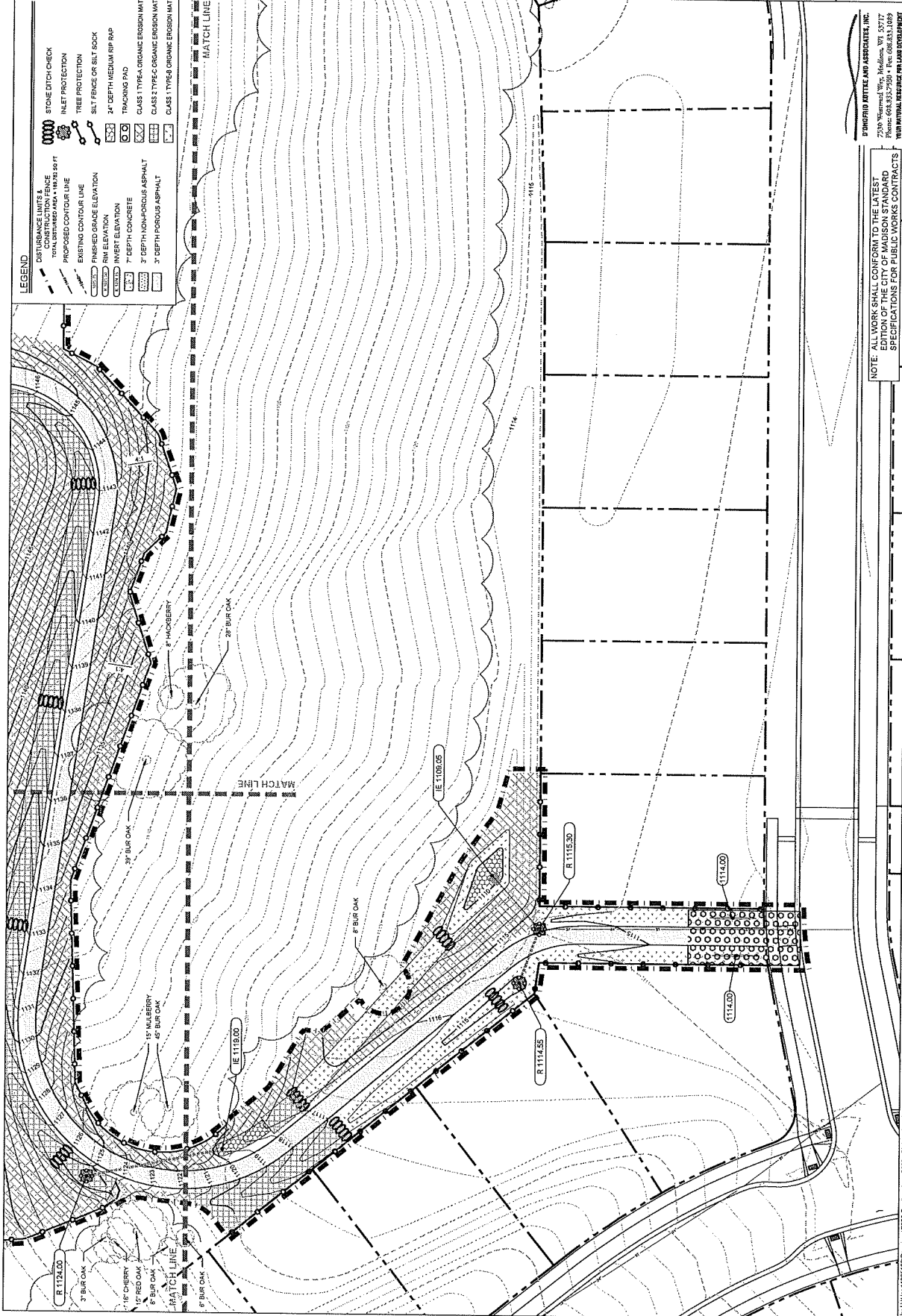
CONTRACT #:
9424

SHEET TITLE:
**GRADING &
 EROSION
 CONTROL PLAN**

SHEET NUMBER:
C303

LEGEND

	DISTURBANCE LIMITS 4
	CONSTRUCTION FENCE
	TOTAL UNIMPAVED AREA 144.75 x 50 FT
	PROPOSED CONTOUR LINE
	EXISTING CONTOUR LINE
	FINISHED GRADE ELEVATION
	RM ELEVATION
	INVERT ELEVATION
	7' DEPTH CONCRETE
	3' DEPTH NON-POROUS ASPHALT
	3' DEPTH POROUS ASPHALT
	STONE DITCH CHECK
	INLET PROTECTION
	TREE PROTECTION
	SILT FENCE OR SILT SOCK
	24' DEPTH MEDIUM RIP RAP
	TRACKING PAD
	CLASS 1 TYPE A ORGANIC EROSION MAT
	CLASS 2 TYPE C ORGANIC EROSION MAT
	CLASS 1 TYPE B ORGANIC EROSION MAT



PUNDRIO OUTREACH AND ASSOCIATES, INC.
 2530 Westwood Way, Madison, WI 53717
 608.261.1333 Fax: 608.261.1499
 www.pundrio.com

NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

City of Madison
 Department of Public Works
PARKS DIVISION
 City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987



Graphical Scale
 0 100'

PROJECT:
 2020 - EAGLE TRACE
 PARK
 IMPROVEMENTS

**EAGLE TRACE
 PARK**
 OUTLOT 3
 EAGLE TRACE
 10321 WHITE FOX LANE
 MADISON, WI

Although every effort has been made to ensure the accuracy of this information, the contractor shall verify all information shown on this drawing and be responsible for any errors.

ITEM	DATE
Drawn By: JAS	03-04-2020
Approved By: JD	03-04-2020

CONTRACT #:
9424

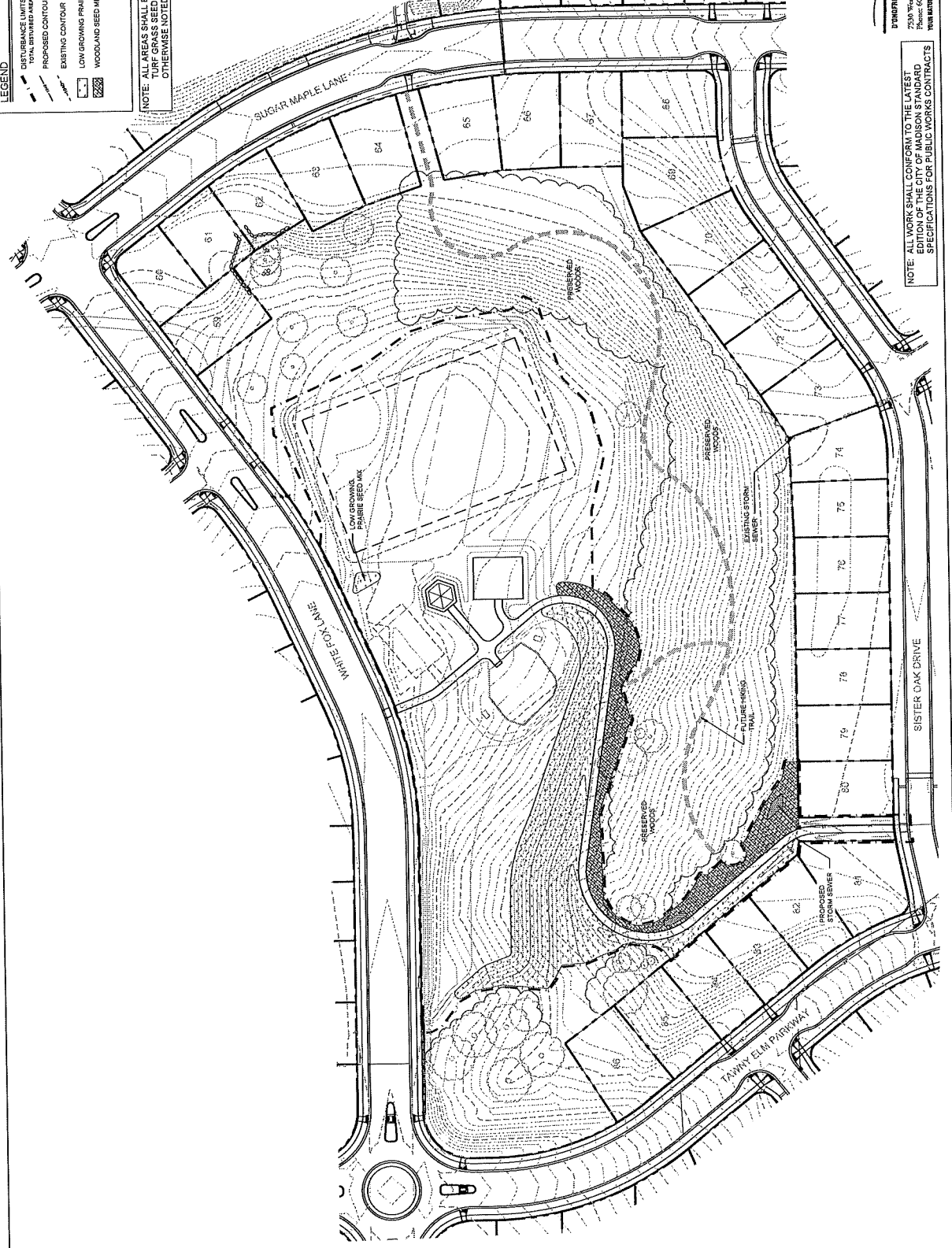
SHEET TITLE:
**OVERALL
 RESTORATION
 PLAN**

SHEET NUMBER:
C304

LEGEND

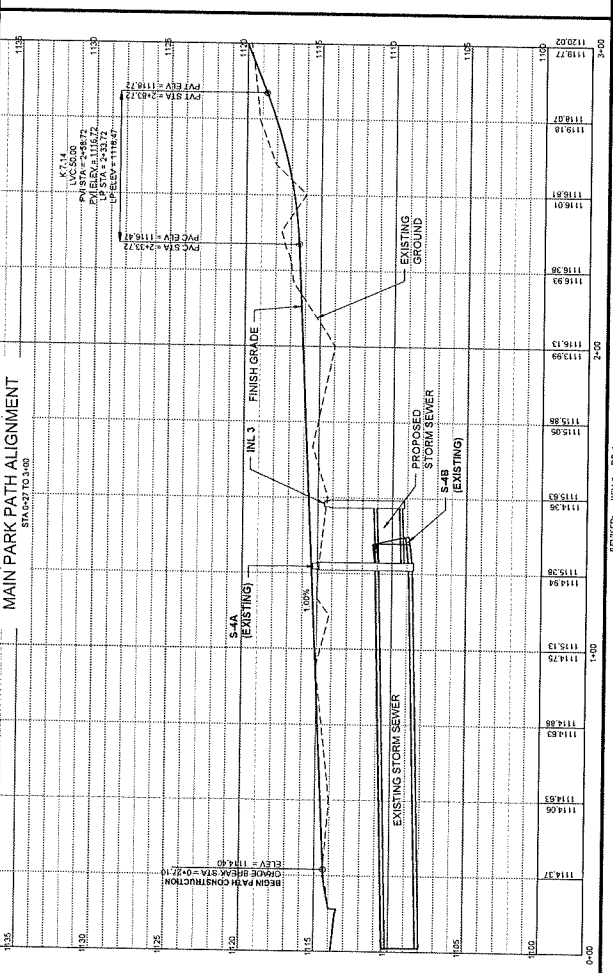
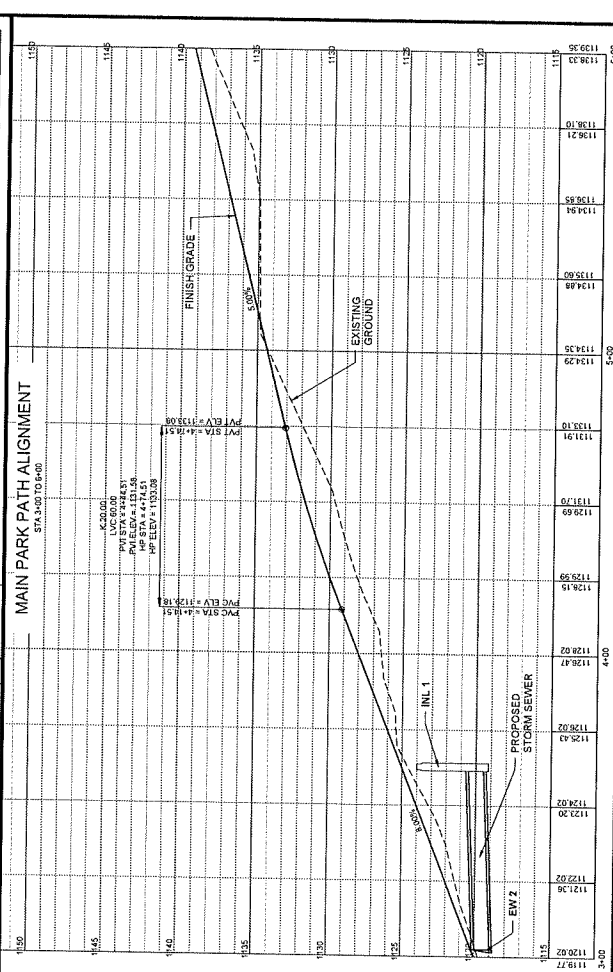
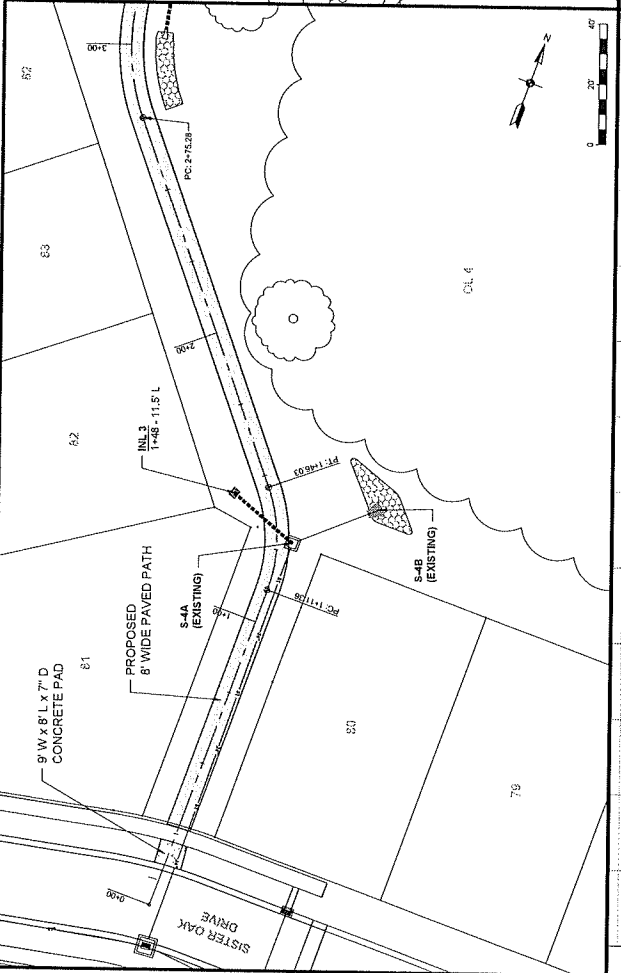
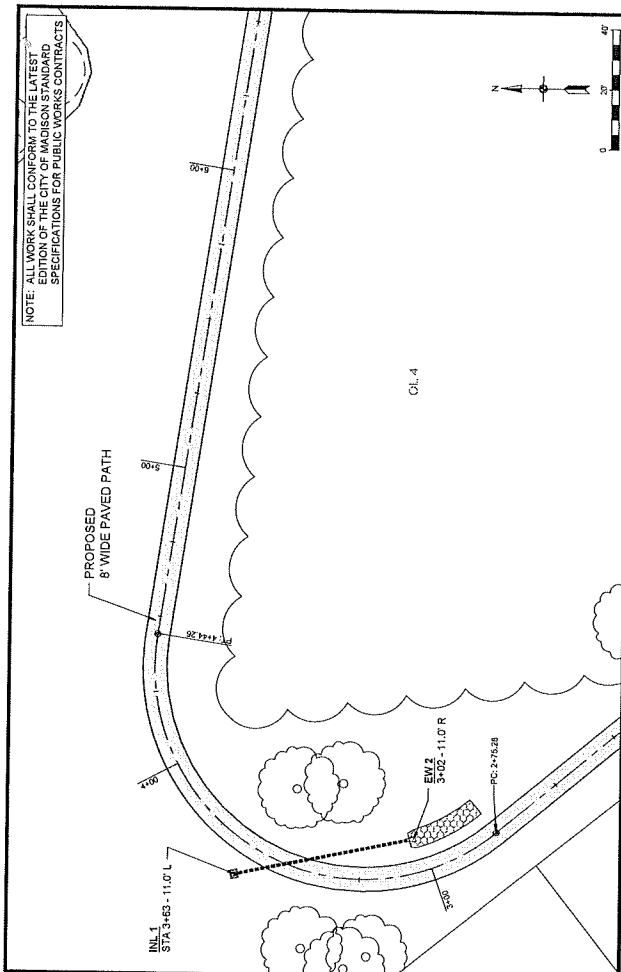
	DISTURBANCE LIMITS & CONSTRUCTION FENCE
	TOTAL DISTURBED AREA - 180,750 SQ FT
	PROPOSED CONTOUR LINE
	EXISTING CONTOUR LINE
	LOW GROWING PRAIRIE SEED MIX
	WOODLAND SEED MIX

NOTE: ALL AREAS SHALL BE RESTORED WITH
 THE SEED MIX INDICATED UNLESS
 OTHERWISE NOTED.



NOTE: ALL WORK SHALL CONFORM TO THE LATEST
 EDITION OF THE CITY OF MADISON STANDARD
 SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

DUNFORD DUNFORD AND ASSOCIATES, INC.
 7500 Woodland Hills, Madison, WI, 53717
 Phone: 608.831.7250 • Fax: 608.831.1899
 WWW.DUNFORDAD.COM



PROJECT NO. ----- EAGLE TRACE PARK IMPROVEMENTS

DATE 03-05-2020

REVISED: REV # DR #

Scale: 1" = 40'

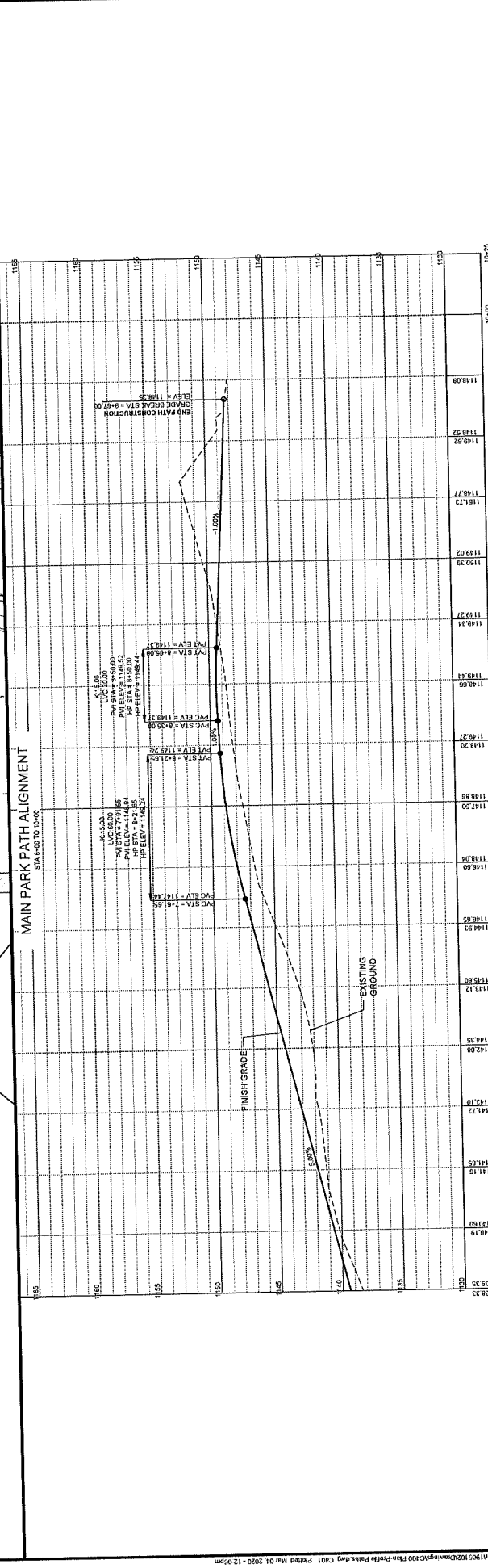
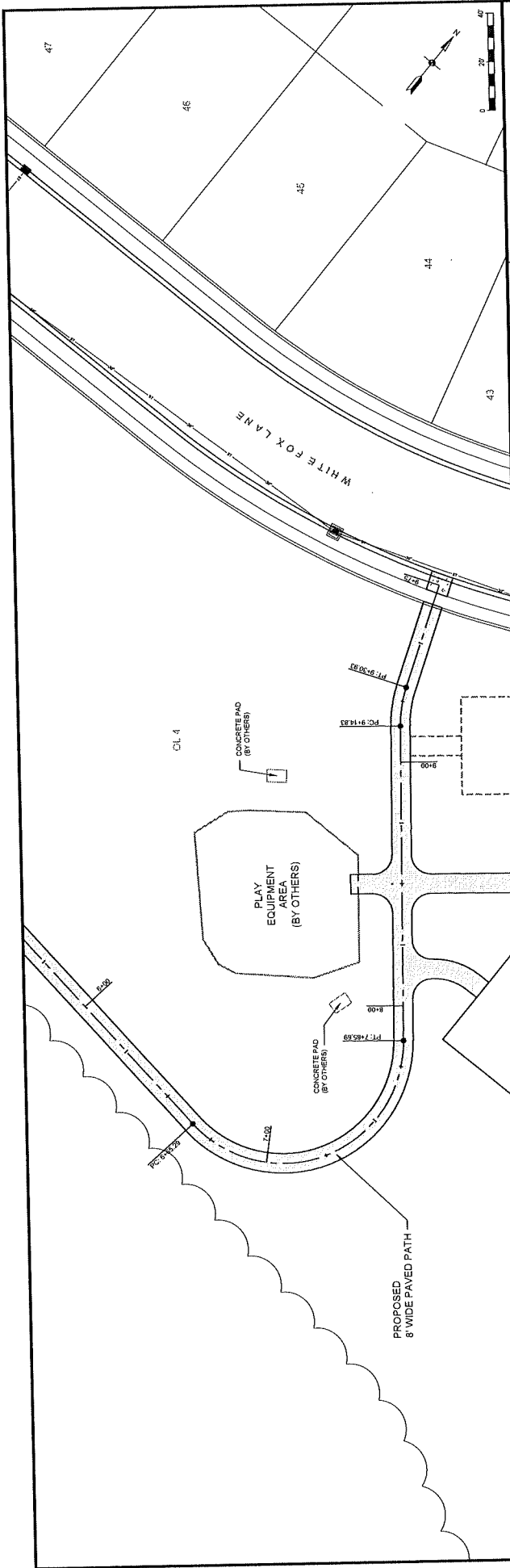
Planned by: PUMPHREY GOTTKE AND ASSOCIATES, INC.

Checked by: PUMPHREY GOTTKE AND ASSOCIATES, INC.

Drawn by: PUMPHREY GOTTKE AND ASSOCIATES, INC.

Path Plan & Profile

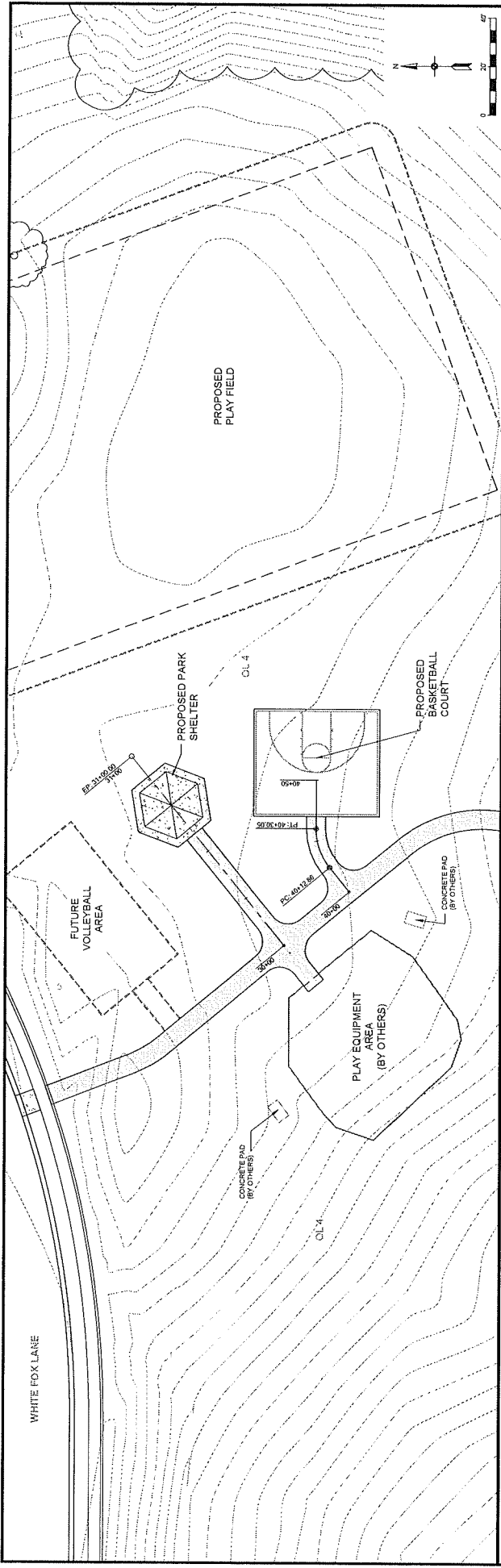
C-400



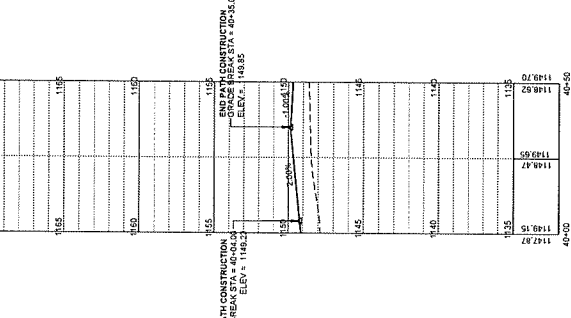
PROJECT NO. 19-05-102
DATE 03-05-2020

REVISIONS: REV # 1

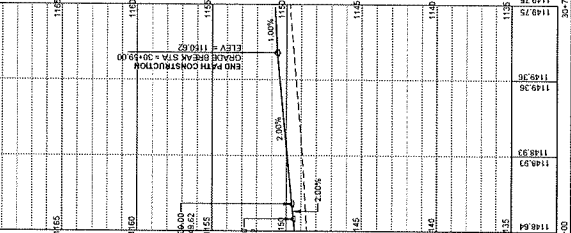
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1295+00	1148.00
1290+00	1148.00
1285+00	1148.00
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1275+00	1148.00
1270+00	1148.00
1265+00	1148.00
1260+00	1148.00
1255+00	1148.00
1250+00	1148.00
1245+00	1148.00
1240+00	1148.00
1235+00	1148.00
1230+00	1148.00
1225+00	1148.00
1220+00	1148.00
1215+00	1148.00
1210+00	1148.00
1205+00	1148.00
1200+00	1148.00
1195+00	1148.00
1190+00	1148.00
1185+00	1148.00
1180+00	1148.00
1175+00	1148.00
1170+00	1148.00
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1160+00	1148.00
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1150+00	1148.00
1148+00	1148.00



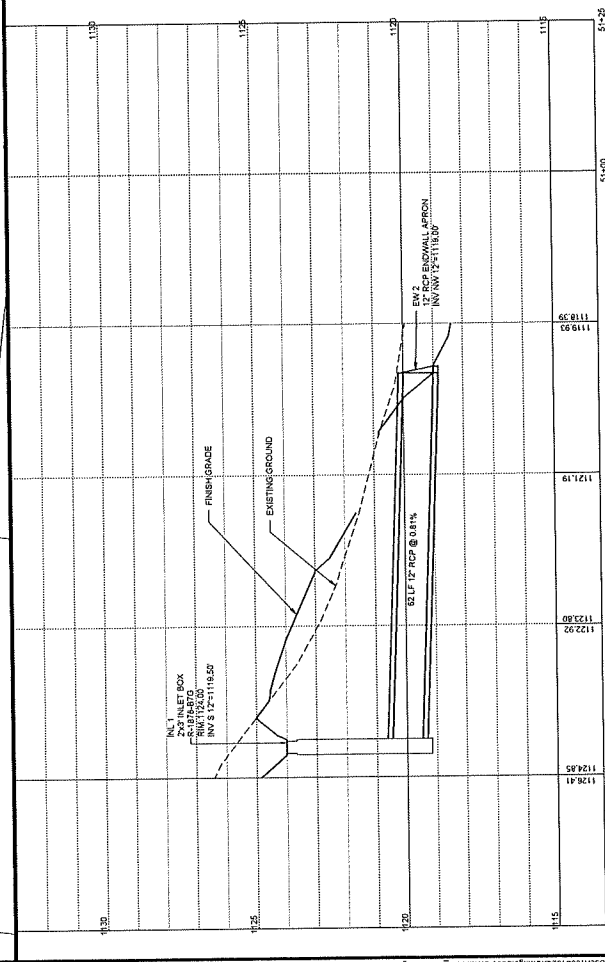
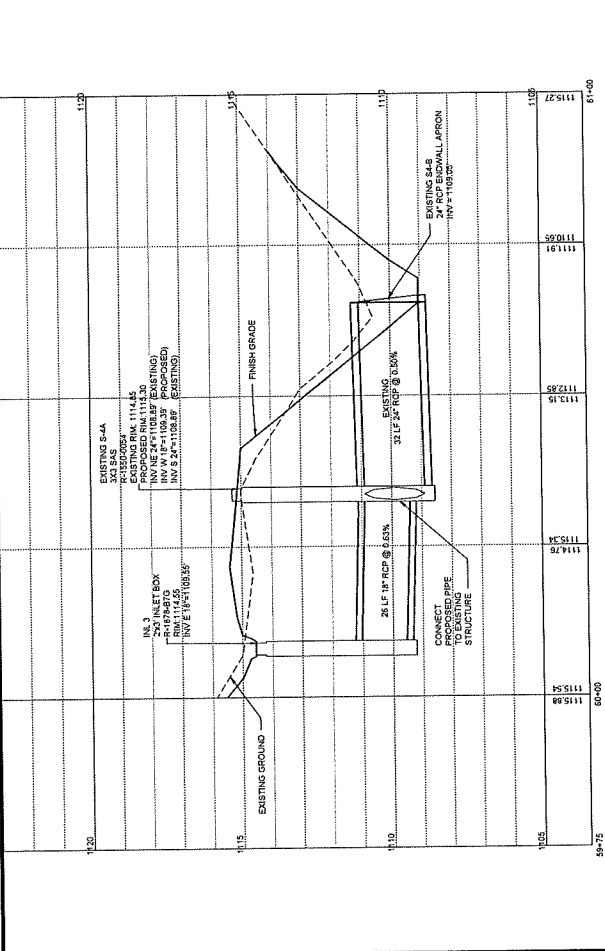
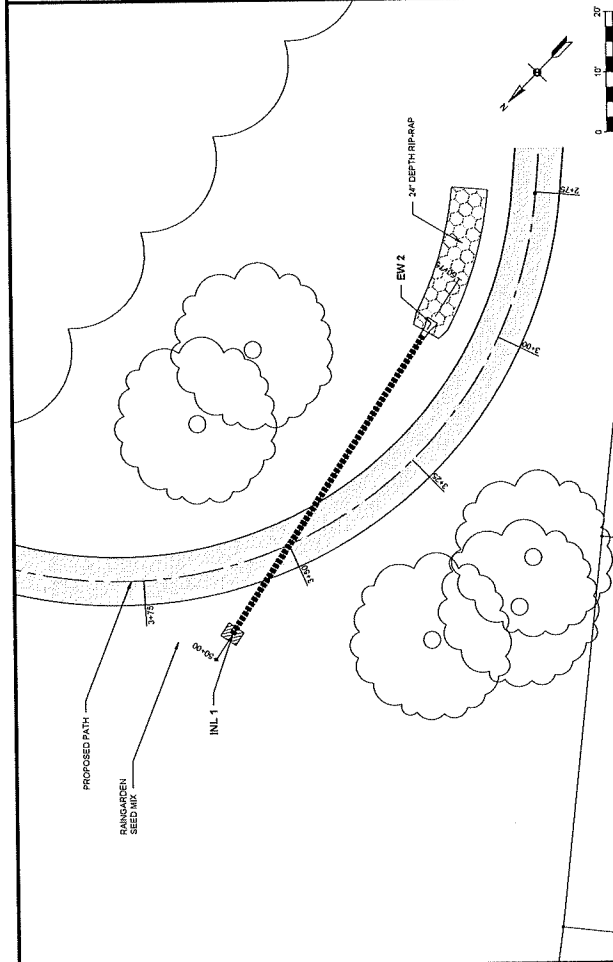
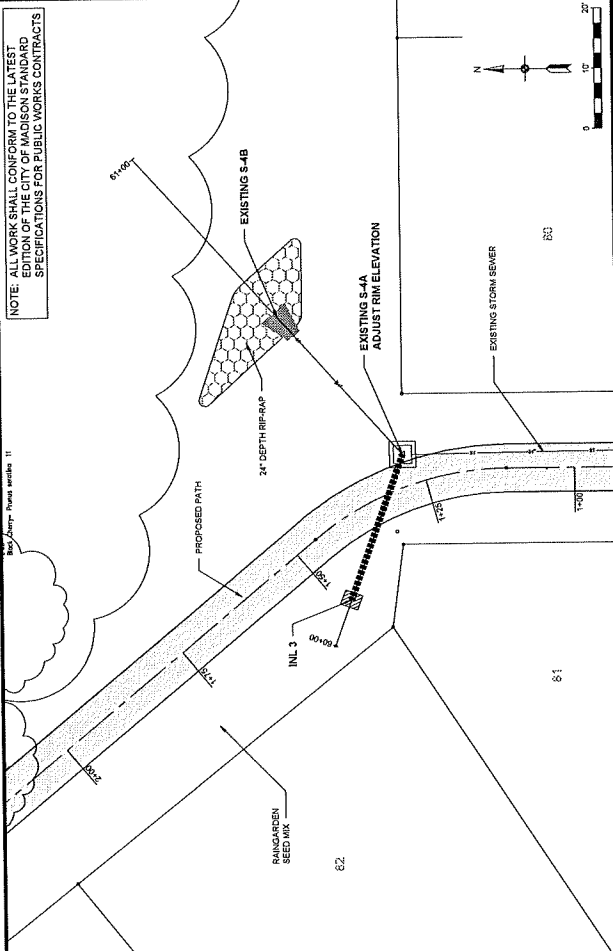
BASKETBALL COURT PATH ALIGNMENT
Sta. 40+00 to 46+58



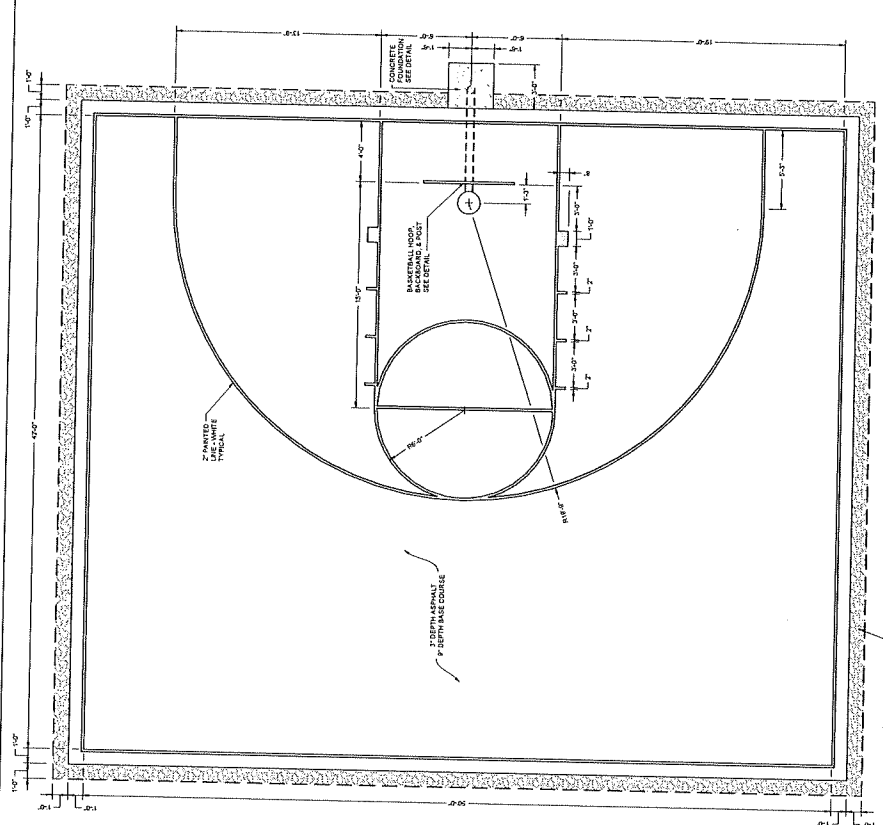
SHELTER PATH ALIGNMENT
Sta. 30+00 to 35+75



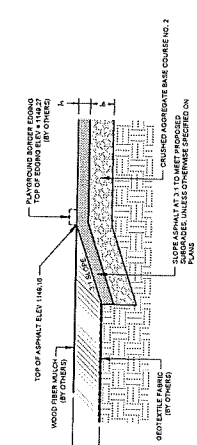
REVISION: REV. # DR #
 DATE: 03-05-2020
 PROJECT NO. -----
 EAGLE TRACE PARK IMPROVEMENTS
 PUNJIBD MOTYKE AND ASSOCIATES, INC.
 PUNJIBD MOTYKE AND ASSOCIATES, INC.
 PARKS
 PATH PLAN & PROFILE
 C402



PROJECT NO. ----- EAGLE TRACE PARK IMPROVEMENTS
 PK 19-05-102 DATE: 03-05-2020
 REVIEWED: REV # DR #
 SUNDTROFF ENGINEERING, INC.
 MADISON, WISCONSIN
 STORM PLAN & PROFILE
 C500



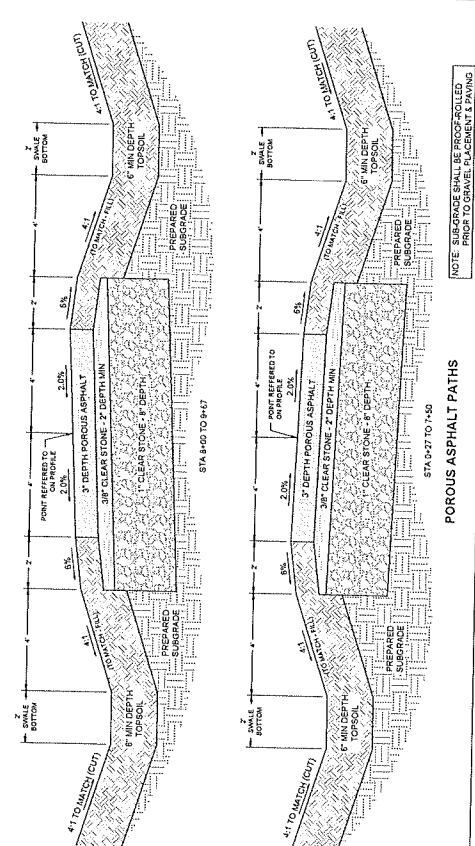
BASKETBALL COURT LAYOUT



ASPHALT AT PLAYGROUND EDGE

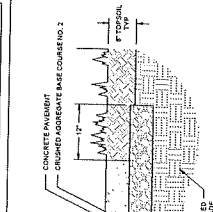
NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS

DORRHOFF OTTE AND ASSOCIATES, INC.
7350 Woodward Way, Madison, WI 53717
Phone: 608-833-2310 • Fax: 608-833-1089
www.national-standard-for-public-works.com



POROUS ASPHALT PATHS

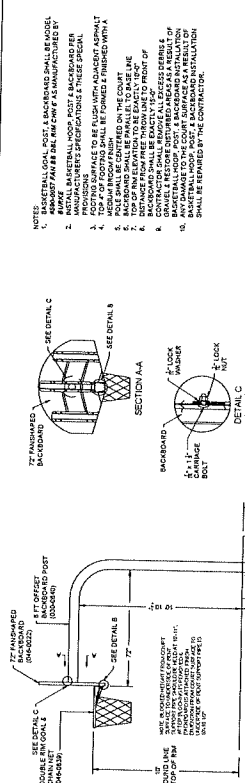
NOTE: SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO GRAVEL PLACEMENT & PAVING



7\"/>

NOTE: SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO GRAVEL PLACEMENT & PAVING

BASKETBALL COURT PAVEMENT



BASKETBALL HOOP, POST, & FOUNDATION DETAIL

NOTE: SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO GRAVEL PLACEMENT & PAVING

BASKETBALL COURT PAVEMENT

NOTE: SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO GRAVEL PLACEMENT & PAVING

BASKETBALL COURT PAVEMENT



PROJECT:
2020 - EAGLE TRACE
PARK
IMPROVEMENTS

**EAGLE TRACE
PARK**
OUTLOT 3
EAGLE TRACE
10321 WHITE FOX LANE
MADISON, WI

ITEM: DATE
Drawn by: JAC 08-04-2020
Approved by: JDO 03-02-2020

CONTRACT #: **9474**

SHEET TITLE:
**EROSION CONTROL
DETAILS & NOTES**

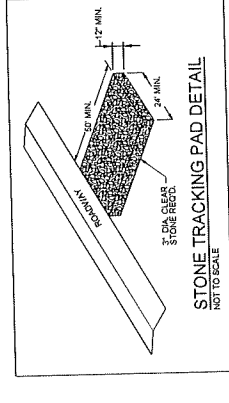
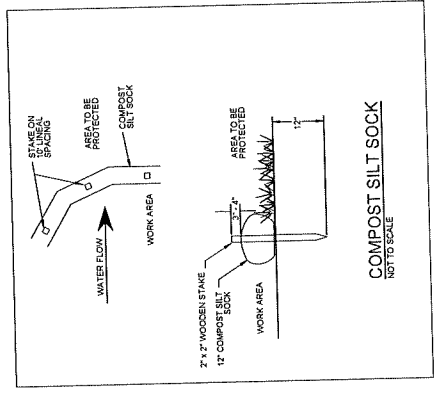
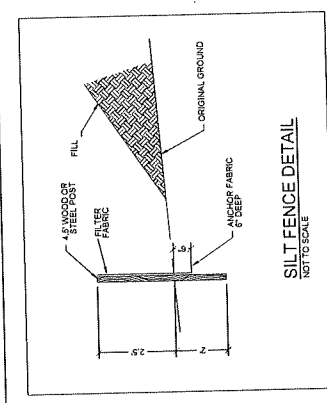
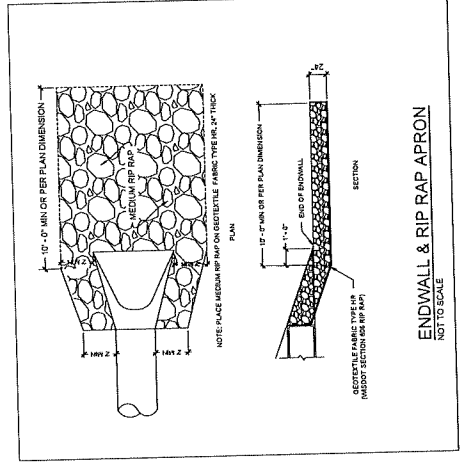
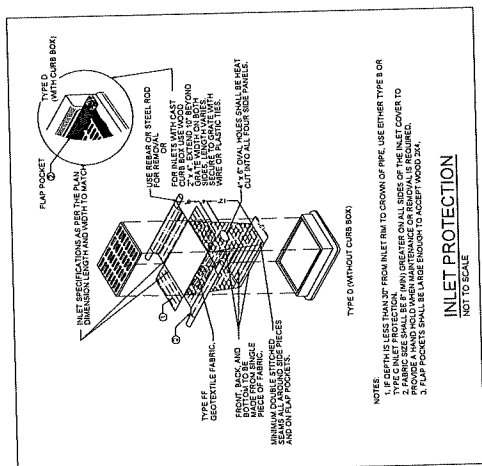
SHEET NUMBER:
C601

NOTES

1. INSTALL PERMITTED EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
3. EROSION CONTROL IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
4. EROSION CONTROL MEASURES AS SHOWN ON THE APPROVED PLAN SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING EROSION PROBLEMS THAT ARE A RESULT OF CONSTRUCTION ACTIVITIES.
5. INSPECTIONS, REPORTING AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. INSPECTIONS SHALL BE CONDUCTED AT THE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE WORKING ORDER AT THE END OF EACH WORK DAY.
6. INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
7. NO SITE GRADING OUTSIDE OF THE LIMITS OF DISTURBANCE OR DOWNSTREAM OF SILT FENCE.
8. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
9. INSTALL INLET PROTECTION IN ALL STORM SEWER INLETS AND CATCH BASINS THAT MAY RECEIVE RUNOFF FROM DISTURBED AREAS, CITY OF MADISON TYPE D.
10. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1
11. SLOPES EXCEEDING 6:1 SHALL BE STABILIZED WITH CLASS 1 TYPE A EROSION MATTING WITH CLASS 1 TYPE B - ORGAINIC EROSION MATTING
12. ALL DRAINAGE SWALES WITH SLOPES UNDER 5% ALONG THE CHANNEL SHALL BE STABILIZED WITH CLASS 2 TYPE B - ORGAINIC EROSION MATTING
13. ALL DRAINAGE SWALES WITH SLOPES 5% & ABOVE ALONG THE CHANNEL SHALL BE STABILIZED WITH CLASS 1 TYPE B - ORGAINIC EROSION MATTING
14. ALL INCIDENTAL MUD TRACKING OFF-SITE ONTO ADJACENT PUBLIC THOROUGHFARES SHALL BE CLEANED UP AND REMOVED BY THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS.
15. PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
16. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
17. STONE DITCH CHECKS SHALL BE PLACED AS SHOWN WHEN THE SUBGRADE IS ESTABLISHED. CHECKS SHALL BE BUILT PER DETAIL PROVIDED & NOT BE LESS THAN 12" HIGH. STATION NUMBER & LOCATION OF CHECKS SHALL BE SHOWN ON THE PLAN. FIELD INSPECTION OR ENGINEER. REMOVE VELOCITY CHECKS PRIOR TO FINISH GRADING & SEEDING.
18. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL, FERTILIZER, SEED AND MULCH.
19. SEED MIXTURES SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS.
20. FERTILIZER SHALL BE PLACED PER A SOIL TEST.
21. DEWATERING, IF APPLICABLE, SHALL BE CONDUCTED PER YOUR STORM WATER MANAGEMENT TECHNICAL STANDARD 1051.
22. ADDITIONAL EROSION CONTROL MEASURES AS REQUESTED BY THE OWNER, CITY'S ENGINEER OR THE OWNERS REPRESENTATIVE SHALL BE INSTALLED WITHIN 24 HRS.
23. ANY CHANGES TO THIS EROSION CONTROL PLAN MUST BE APPROVED BY THE CITY OF MADISON

POWERSOURCE HYDRA-LINE ASSOCIATES, INC.
7430 Williams Ave., Madison, WI 53717
761-664-8375/501 • Fax: 608.653.1459
YOUR MATERIAL, RESOURCE FOR LAND DEVELOPMENT

NOTE: ALL WORK SHALL CONFORM TO THE LATEST EDITION AND ALL CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS



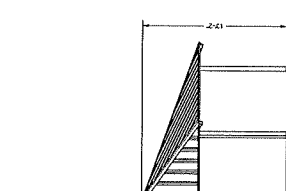
Approval of this plan by the City of Madison is not a warranty, nor does it constitute an endorsement of the materials or methods of construction shown. The contractor shall be responsible for the same.

ITEM	DATE
Drawn by: AKS	08-04-2020
Approved by: JD	02-04-2020

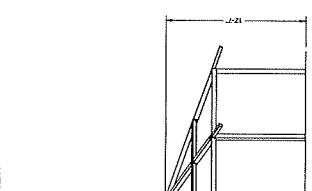
CONTRACT #:
9424

SHEET TITLE:
SUN SHELTER DETAILS

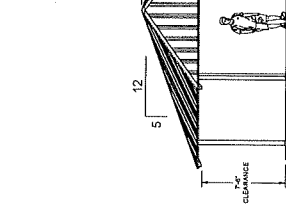
SHEET NUMBER:
C602



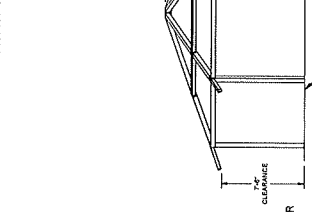
FRONT VIEW



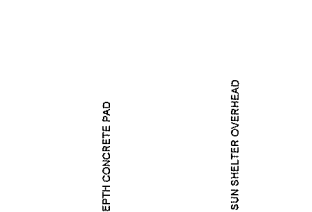
FRAMING FRONT VIEW



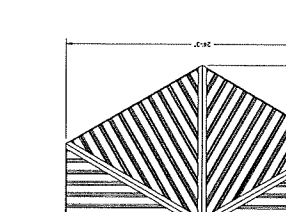
PLAN VIEW



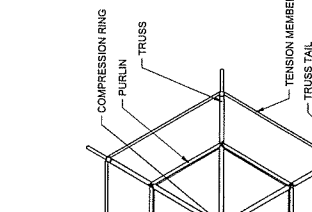
FRAMING PLAN VIEW



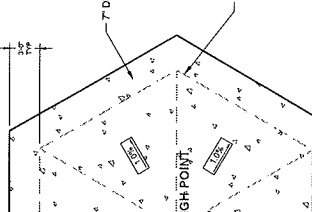
SHELTER CONCRETE PAD PLAN VIEW



ISOMETRIC VIEW



FRAMING ISOMETRIC VIEW



COLUMN LAYOUT

GENERAL SUN SHADE NOTES

1. THE PROVIDED DIMENSIONS ARE FOR REFERENCE ONLY. SUN SHADE SHALL BE MADE, MANUFACTURED, PROVIDED BY MANUFACTURER. NOTES AS PROVIDED BY OEM. CONTACT SALES REPRESENTATIVE FOR THE SPECIFIC DIMENSIONS OF THE PRODUCT.
2. THE PROVIDED DIMENSIONS ARE FOR REFERENCE ONLY. SUN SHADE SHALL BE MADE, MANUFACTURED, PROVIDED BY MANUFACTURER. NOTES AS PROVIDED BY OEM. CONTACT SALES REPRESENTATIVE FOR THE SPECIFIC DIMENSIONS OF THE PRODUCT.
3. IT IS RECOMMENDED THAT THE PRIMARY FRAMING STRUCTURE AND ROOF INSTALLATION HAVE A MINIMUM OF FIVE (5) YEARS OF DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.
4. ENGINEERED CONSTRUCTION PLANS SHALL BE PROVIDED BY MANUFACTURER.
5. ROOF TYPE SHALL BE STANDING SEAM OF TONGUE & GROOVE.
6. VERIFY COLORS WITH OWNER.

ENGINEERING NOTICE AND ASSOCIATES, INC.
 7759 Silverwood Way, Madison, WI 53717
 WWW.ENGINEERINGNOTICEANDASSOCIATES.COM

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