



Contract Routing Form

ROUTING: ~~Routine~~

printed on: 05/14/2015

Contract between: Dresens Decks and Patios Inc
and Dept. or Division: Engineering Division
Name/Phone Number:

Project: 2015 Parks Playgrounds - Group 2

Contract No.: 7493
Enactment No.: RES-15-00371
Dollar Amount: 221,065.78

File No.: 37843
Enactment Date: 04/21/2015

Contract entered & posted in Memis.
KLS ✓

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	5-14-15	5-14-15
Director of Civil Rights	5-14-2015	5/18/15 [Signature]
Risk Manager	5-18-15	5/19/15 RAN
Finance Director	5-19-15 KLS ✓	5-20-15
City Attorney	5-20-15 598	5-20-15
Mayor	5/20/15	5-21-15

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

Original + 2 Copies

05/14/2015 10:07:29 enjap - Sarah Lerner - 261-4281

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

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File #: 37843 **Version:** 1 **Name:** Awarding Public Works Contract No. 7493, 2015 Park Playgrounds - Group 2.
Type: Resolution **Status:** Passed
File created: 3/26/2015 **In control:** BOARD OF PUBLIC WORKS
On agenda: 4/21/2015 **Final action:** 4/21/2015
Enactment date: 4/23/2015 **Enactment #:** RES-15-00371
Title: Awarding Public Works Contract No. 7493, 2015 Park Playgrounds - Group 2.
Sponsors: BOARD OF PUBLIC WORKS
Attachments: 1. Contract 7493.pdf

[History \(3\)](#) [Text](#)

3 records			Group	Export			
Date	Ver.	Action By	Action	Result	Action Details	Watch	
4/21/2015	1	<u>COMMON COUNCIL</u>	Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25	Pass	Action details	Not available	
4/8/2015	1	<u>BOARD OF PUBLIC WORKS</u>	RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER	Pass	Action details	Not available	
3/27/2015	1	<u>Engineering Division</u>	Refer		Action details	Not available	

SJR

CONTRACT NO. 7493
 2015 PARK PLAYGROUNDS – GROUP 2

DRESEN'S DECKS & PATIOS, INC.

\$221,065.78

Arbor Hills Park	
10645-51-130: 54250 (65038)	\$47,750.81
+/- 8% Contingency	<u>3,819.19</u>
Subtotal	\$51,570.00

Badger Park	
10644-51-130: 54250 (65038)	\$27,955.60
+/- 8% Contingency	<u>2,234.40</u>
Subtotal	\$30,190.00

Bernie's Beach Park	
10643-51-130:54250 (65038)	\$24,684.00
+/- 8% Contingency	<u>1,976.00</u>
Subtotal	\$26,660.00

Demetral Park	
10640-51-130: 54250 (65038)	\$45,576.17
+/- 8% Contingency	<u>3,643.83</u>
Subtotal	\$49,220.00

Junction Ridge Park	
10637-51-130: 54250 (65038)	\$22,965.75
+/- 8% Contingency	<u>1,844.25</u>
Subtotal	\$24,810.00

Sunridge Park	
10632-51-130: 54250 (65038)	\$24,951.45
+/- 8% Contingency	<u>1,998.55</u>
Subtotal	\$26,950.00

Tenney Park Beach	
10631-51-130: 54250 (65038)	\$27,182.00
+/- 8% Contingency	<u>2,178.00</u>
Subtotal	\$29,360.00

GRAND TOTAL	<u>\$238,760.00</u>
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**Wisconsin Office of the Commissioner of Insurance
Licensed Producer Search**

Wednesday, May 13, 2015

MITCHELL, GIGI
MADISON WI

License Status: Active
License No: 2654914
NPN No: 17504188
Effective Date: 02-12-2015
Expiration Date: 12-31-2017
License Type: Resident Intermediary Indv

Lines of Authority

Line of Authority	Residency	Effective Date	Status
Casualty	Resident	02-12-2015	Active
Property	Resident	02-12-2015	Active

Appointments and Terminations

Company Name	Qualification Type/Status	Effective Date	Termination Date	Termination Reason
ACUITY, A Mutual Insurance Company	CAS/Active	02-18-2015		
	PROP/Active	02-18-2015		
American Guarantee and Liability Insurance Company	CAS/Active	02-20-2015		
	PROP/Active	02-20-2015		
American Zurich Insurance Company	CAS/Active	02-20-2015		
	PROP/Active	02-20-2015		
Chubb Indemnity Insurance Company	CAS/Active	02-20-2015		
	PROP/Active	02-20-2015		
Chubb National Insurance Company	CAS/Active	02-20-2015		
	PROP/Active	02-20-2015		
Cincinnati Casualty Company, The	CAS/Active	02-17-2015		
	PROP/Active	02-17-2015		
Cincinnati Indemnity Company, The	CAS/Active	02-17-2015		
	PROP/Active	02-17-2015		
Cincinnati Insurance Company, The	CAS/Active	02-17-2015		
	PROP/Active	02-17-2015		
Continental Casualty Company	CAS/Active	03-09-2015		
	PROP/Active	03-09-2015		
Executive Risk Indemnity Inc.	CAS/Active	02-20-2015		
	PROP/Active	02-20-2015		

Federal Insurance Company	CAS/Active PROP/Active	02-20-2015 02-20-2015
Great Northern Insurance Company	CAS/Active PROP/Active	02-20-2015 02-20-2015
Merchants Bonding Company (Mutual)	CAS/Active	02-17-2015
Merchants National Bonding, Inc.	CAS/Active	02-17-2015
Old Republic Insurance Company	CAS/Active	02-24-2015
Old Republic Surety Company	CAS/Active	02-24-2015
Pacific Indemnity Company	CAS/Active PROP/Active	02-20-2015 02-20-2015
SOCIETY INSURANCE, a mutual company	CAS/Active PROP/Active	02-20-2015 02-20-2015
Travelers Casualty and Surety Company of America	CAS/Active PROP/Active	03-13-2015 03-13-2015
United Fire & Casualty Company	CAS/Active PROP/Active	02-20-2015 02-20-2015
Vigilant Insurance Company	CAS/Active PROP/Active	02-20-2015 02-20-2015
West Bend Mutual Insurance Company	CAS/Active PROP/Active	02-19-2015 02-19-2015
Western Surety Company	CAS/Active	04-03-2015
Zurich American Insurance Company	CAS/Active PROP/Active	02-20-2015 02-20-2015
Zurich American Insurance Company of Illinois	CAS/Active PROP/Active	02-20-2015 02-20-2015

DISCLAIMER: The Office of the Commissioner of Insurance does not endorse any specific agent or insurance agency. You are encouraged to contact the Agent Licensing Section at if you have any concerns with any of the agents or agencies listed.

\$221,065.78
FILE

BID OF DRESEN'S DECKS & PATIOS, INC.

2015

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

2015 PARK PLAYGROUNDS – GROUP 2

CONTRACT NO. 7493

MUNIS NO. 10631, 10632, 10637, 10640, 10643, 10644, &10645

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON APRIL 21, 2015

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493**

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This Proposal, and Agreement have
been prepared by:

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


Eric Knepp, Parks Superintendent

EMK: SCLL

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:	2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO.:	7493
SBE GOAL	7%
BID BOND	5%
PRE BID MEETING (1:00 P.M.)	3/20/2015
PREQUALIFICATION APPLICATION DUE (1:00 P.M.)	3/20/2015
BID SUBMISSION (1:00 P.M.)	3/27/2015
BID OPEN (1:30 P.M.)	3/27/2015
PUBLISHED IN WSJ	3/6/2015, 3/13/2015 & 3/20/2015

PRE BID MEETING: Representatives of the Affirmative Action Department will be present to discuss the Small Business Enterprise requirements at 1600 Emil Street, Madison Wisconsin.

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.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2015 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)l. 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.

The Bidder shall execute the Disclosure of Ownership form. REFER TO SECTION F.

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond 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.

PREVAILING WAGE RATES

Prevailing Wage Rates may be required and are attached in Section J of the contract. See Special Provisions to determine applicability.

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
 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/dcr/aaTBDDir.cfm.

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/dcr/aaTBDDir.cfm. 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.

2.4.2 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

shall be deemed non-responsible and the bidder ineligible for award of this contract.

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.

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493**

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: _____

Address: _____

Telephone Number: _____ Fax Number: _____

Contact Person/Title: _____

Prime Bidder Certification

I, _____, _____ of
Name Title
_____ certify that the information
Company

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

Witness' Signature

Bidder's Signature

Date

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493**

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
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
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:	_____	%.

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493**

Small Business Enterprise Compliance Report

SBE Contact Report

Submit separate copy of this form for each SBE which you are not able to utilize towards meeting the SBE goal for this project. Attach separate sheets if necessary.

SBE Information

Company: _____

Address: _____

Telephone Number: _____

Contact Person/Title: _____

1. Outline below all efforts to solicit a bid from the above SBE. Include date, means of contact, who from your company made this contact and the result.

2. Describe the information provided to the aforementioned SBE regarding the scope of work for which he/she was to provide a bid.

Is this the same scope of work on which the subcontractor you intend to utilize based his/her bid?

Yes No

3. Did this SBE submit a bid? Yes No

4. Is the General Contractor pre-qualified to self-perform this category of work?

Yes No

5. If you responded "Yes" to Question 3, please check the items below which apply and provide the requested detail. If you responded "No" to Question 3, please skip ahead to item 6 below.

The SBE listed above is unavailable for work on this project for the following reasons. Provide specific detail for this conclusion.

The SBE listed above is unqualified for work on this project. Provide specific details for this conclusion.

The SBE listed above provided a price that was unreasonable (i.e. more than 5% above the lowest bidder). Provide specific detail for this conclusion including the SBE's price and the price of the subcontractor you intend to utilize.

A contract with the SBE listed above may constitute a breach of the bidder's collective bargaining agreements. Provide specific detail for this conclusion including, but not limited to, correspondence from the SBE indicating it will not sign a project labor agreement and/or correspondence from the applicable trade union indicating a project labor agreement will not be allowed at the time of project bidding.

Other; please specify reason(s) other than listed above which made it impossible for you to utilize this SBE on this project.

6. Describe any other good faith efforts:

SECTION D: SPECIAL PROVISIONS

2015 PARK PLAYGROUNDS - GROUP 2 CONTRACT NO. 7493

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 102.1: PREQUALIFICATION OF BIDDERS

The bidder for this contract must be pre-qualified in at least one of several different categories due to the nature of work involved. If the General Contractor is prequalified in a category other than Playground Installer (#262 under Street, Utility and Site Construction), their sub contractor must be prequalified as a Playground Installer. Work to be performed by prequalified category #262 Playground Installer, shall include (but not be limited to) BID ITEM 90001 – PLAYGROUND EQUIPMENT INSTALLATION. General Contractors who are not prequalified as a Playground Installer under prequalification category #262 must submit proof that their sub contractor is prequalified under category #262 within 2 business days of submitting their bid.

SECTION 102.10: PREVAILING WAGE

For this project, payment of prevailing wages (white sheet) shall be required unless the box indicating prevailing wages are not required is checked below.

Prevailing wages shall not be required when this box is checked.

If prevailing wages (white sheets) are required, the wages and benefits paid on the contract shall not be less than those specified in the Prevailing Wage Determination included with these contract documents for the following types of work:

- Building or Heavy Construction
- Sewer, Water, or Tunnel Construction
- Local Street or Miscellaneous Paving Construction
- Residential or Agricultural Construction

When multiple boxes are checked, worker's wages may vary according to the type and area of work performed. It is the responsibility of the Contractor to determine and apply the appropriate wage rate for the specific work assigned.

SECTION 102.12: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$55,500 for a single trade contract; or equal to or greater than \$271,500 for a multi-trade contract pursuant to MGO 33.07(7).

SECTION 104: SCOPE OF WORK

This project consists of installation of new playground equipment and associated site and playground amenities, underdrain and paths at various City of Madison project sites.

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.

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 2014 Playground Improvements – Group 2. Any questions regarding the layout and staking of this project should be directed to City of Madison Parks Surveyor Dan Rodman at 266-6674.

SECTION 105.12: COOPERATION BY CONTRACTOR

Several utilities exist on site. The Contractor shall perform a One Call through Digger's Hotline for each site at least three days prior to beginning construction. To ensure that Parks-owned utilities are also marked, include the PARK NAME AT THE BEGINNING OF THE MARKING instructions field on the ticket, and send a copy of the ticket to the City of Madison Parks Surveyor (Dan Rodman / drodman@cityofmadison.com / tel (608)266-6674 / fax (608)267-1162).

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 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 the Playground Construction Inspector each day to inform the Playground Construction Inspector the location of the day's proposed playground construction.

SECTION 105.13: ORDER OF COMPLETION

Prior to beginning construction, the Contractor shall submit to the City a detailed schedule at or prior to the preconstruction meeting showing the sequence and anticipated dates of all playground installation operations.

Construction of the Tenney Park Playground must be completed by 7/1/2015. Construction of the Demetral Park Playground must be completed by 8/1/2015.

Construction of playgrounds may run concurrently.

SECTION 107.13: TREE PROTECTION SPECIFICATIONS

The Contractor is advised to review Article 107.13 of the Standard Specifications for tree protection. Note that Articles 107.13(a) Underground Utility Excavation & Installation, 107.13(b) Curb Excavation and Installation, and 107.13(c) Sidewalk Excavation and Installation are not applicable to this project except as noted below.

The intent of these designs 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. The sequence to construct in these areas shall be as follows:

1. Trees within 5' of construction operations shall not be disturbed until inspected by a City of Madison Forestry Representative.
2. The Contractor shall place a yellow ribbon around the tree to highlight these trees for the equipment operator.
3. The ribbon shall remain until the area is fine graded and seeded or sodded. 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.

All provisions of Articles 107.13(d), 107.13(f) Bark Abrasions and Limb Damage, 107.13(g) Soil Compaction, 107.13(h) Contractor/Foreperson Acknowledgement, and 107.13(i) Cost Recovery and Liquidated Damages are applicable to this contract.

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 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

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 to do so that was sent to the Contractor. Construction work shall be carried 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.

The project site at Demetral Park playground is on an existing landfill and construction has been approved by the Wisconsin Department of Natural Resources. If the Contractor encounters waste during excavation, the Contractor shall notify the Engineer, segregate waste and disposed of as solid waste at the Dane County Rodefild Landfill, at no additional cost to the City.

The Contractor must notify Andy Solberg, City of Madison Engineering at (608) 267-9408 at least 4 hours prior to the start of construction at Demetral Park. The Demetral landfill has the following soil profile:

- 6 inches of topsoil
- 2 feet of compacted material

SECTION 109.7: TIME OF COMPLETION

Work on the 2015 Park Playgrounds – Group 2 shall start on or around 6/01/2015 and shall be completed by 12/18/2015.

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 root cutting as described in special provisison 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 park 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 an area bordered by construction fencing 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.**

All materials purchased by the City of Madison shall be ordered for delivery to pre-determined receiving locations as described in the individual bid item descriptions. The Contractor shall provide equipment and labor for receiving, trucking and off-loading as needed.

The Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.

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

METHOD OF MEASUREMENT

Mobilization shall be paid as a lump sum for mobilization related to each project site.

BASIS OF PAYMENT

Mobilization 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 20101 – EXCAVATION CUT

DESCRIPTION

Excavation Cut shall consist of the loosening, loading, hauling and disposal of all materials, excluding the existing pea gravel playground surfacing which shall be paid for under BID ITEM 20103 EXCAVATION CUT – PEA GRAVEL. 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 Microstation (.dgn) files containing the digital terrain models used for the earthwork calculations are available.

The proposal quantity was computed by Microstation InRoads 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 either twelve (12) or nine (9) inches of playground surfacing (depending on the surfacing type).

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.

METHOD OF MEASUREMENT

Excavation Cut shall be measured by the cubic yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Excavation Cut 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 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 Microstation (.dgn) files containing the digital terrain models used for the earthwork calculations are available.

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

For Bernie's Beach Park, removal of the existing rubber surfacing is calculated into the bid quantity for Excavation Cut – Pea Gravel, and shall be considered incidental to this bid item.

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.

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 - OBJECTS GREATER THAN 4' IN DIAMETER

DESCRIPTION

Work under this item shall include all work, materials, equipment, and incidentals required to remove objects greater than 4' in diameter that are encountered during excavation cut. Methodology for managing these obstructions is the responsibility of the Contractor. This bid item is intended to address existing boulders imbedded on the surface at Arbor Hills Park that have unknown dimensions. This bid item may be eliminated from the contract if boulders are determined to be less than 4' in diameter. Objects less than 4' in diameter shall be paid per BID ITEM 20101 Excavation Cut and BID ITEM 20103 Excavation Cut – Pea Gravel.

Material shall be disposed offsite at a location to be determined and provided by the City at no extra cost to the City. The location shall be within the City of Madison. Double handling and stockpiling is incidental to 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 – Objects Greater than 4' in Diameter shall be measured by the cubic yard quantity as determined in the field.

BASIS OF PAYMENT

Excavation Cut – Objects Greater than 4' in Diameter 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, loosening, hauling, loading, labor, tools, equipment, disposal, and incidentals required to complete the work as set forth in the description.

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, wrapped, including open graded base course and filter fabric sock as shown on the plans or as directed by the Engineer.

Drain pipe shall pitch at a minimum 0.5% slope in a bed of open graded base course to cover and envelope the pipe a minimum of 3" around. Drain pipe shall be located to intersect a main run that shall daylight to a low spot noted on the plan and confirmed in the field. The pipe end shall include a secured mitered drain grate (Drain-Tech # 0499MDB or approved equal). Installation of the secured mitered drain grate, stone, filter fabric sock, perforated pipe and excavation cut is incidental to this bid item.

Flexible drain pipe will not be allowed.

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

Connecting to the existing storm sewer structure shall be paid under BID ITEM 50792 – STORM SEWER TAP.

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 209-7012 at least 48 hours prior to field check underdrain elevations prior to backfilling.

METHOD OF MEASUREMENT

Underdrain shall be measured by the linear foot quantity.

BASIS OF PAYMENT

Underdrain 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, and incidentals required to complete the work as set forth in the description.

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 Type SAS Non Woven Geotextile Fabric 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.

METHOD OF MEASUREMENT

Geotextile Fabric Type SAS Non Woven shall be measured by the square yard quantity as listed in the proposal page without measurement thereof, not including run out in anchor trenches or overlap.

BASIS OF PAYMENT

Geotextile Fabric Type SAS Non Woven 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, and incidentals required to complete the work as set forth in the description.

BID ITEM 20201 - FILL

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 Microstation InRoads 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 either twelve (12) or nine (9) inches of playground surfacing (depending on the surfacing type).

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.

METHOD OF MEASUREMENT

Fill shall be measured by the cubic yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Fill 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 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 or modular block retaining wall. Stone required for construction of the underdrain shall be incidental to BID ITEM 20130 – UNDERDRAIN and BID ITEM 90008 – MODULAR BLOCK RETAINING WALL.

METHOD OF MEASUREMENT

Clear Stone shall be measured by the ton as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Clear Stone 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 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. Double handling of stockpiled topsoil is incidental to this bid item.

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:

Arbor Hills Park: ~ 20 cubic yards
Badger Park: ~ 3 cubic yards
Bernie's Beach Park: 0 cubic yards; ~ 35 cubic yards will need to be disposed
Demetral Park: ~ 119 cubic yards
Junction Ridge Park: ~ 8 cubic yards shall
Sunridge Park: 0 cubic yards; ~ 3 cubic yards will need to be disposed
Tenney Park: 0 cubic yards; ~ 6 cubic yards will need to be disposed

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 Parks Division is to be called to inspect and approve the finish grade prior to seeding and mulching.

The topsoil quantities for this contract have been computed by Microstation InRoads 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.

METHOD OF MEASUREMENT

Topsoil shall be measured by the square yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Topsoil 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 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, 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.

METHOD OF MEASUREMENT

Terrace Seeding shall be measured by the square yard quantity as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Terrace Seeding 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, and incidentals required to complete the work as set forth in the description.

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. The proposal quantities include an additional 200 linear feet of undistributed silt sock per park. It is probable that the additional linear feet of undistributed silt sock shall be reduced or eliminated from the proposal quantities.

METHOD OF MEASUREMENT

Silt Sock (8 inch) – Complete, shall be measured by linear foot for the completed work as described above.

BASIS OF PAYMENT

Silt Sock (8 inch) – Complete, 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 21030 – INLET PROTECTION, TYPE B - COMPLETE

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary to install, maintain and remove inlet protection per WDNR CPS 1060 and Article 210 of the Standard Specifications at locations shown on the plans.

METHOD OF MEASUREMENT

Inlet Protection, Type B – Complete shall be measured per each individual inlet for the completed work as described above.

BASIS OF PAYMENT

Inlet Protection, Type B 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 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.

METHOD OF MEASUREMENT

Erosion Matting, Class I Urban Type A shall be measured by the square yard quantity as listed in the proposal page without measurement thereof, not including run out and overlap.

BASIS OF PAYMENT

Erosion Matting, Class I Urban Type A 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 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 9 inches of Crushed Aggregate Base Course Gradation No. 2 for asphalt path construction.

All aggregate base course shall extend 6 inches beyond the proposed pavement edge and shall have 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 209-7012 at least 48 hours prior to proof subgrade elevations prior to paving.

METHOD OF MEASUREMENT

Crushed Aggregate Base Course Gradation No. 2 shall be measured by the ton as listed in the proposal page without measurement thereof.

BASIS OF PAYMENT

Crushed Aggregate Base Course Gradation No. 2 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 40201 – 3 INCH DEPTH HMA PAVEMENT TYPE E-0.3

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to provide and install 3 Inch Depth HMA Pavement Type E-0.3 in accordance with these plans and specifications and the latest edition of the Standard Specifications.

METHOD OF MEASUREMENT

3 Inch Depth HMA Pavement Type E-0.3 shall be measured by the ton as listed on the proposal page without measurement thereof.

BASIS OF PAYMENT

3 Inch Depth HMA Pavement Type E-0.3 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 50792 – STORM SEWER TAP

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to connect drain tile to the existing storm structure at Demetral Park per the Standard Specifications. Since this site is within an existing landfill, the Contractor shall provide a water tight seal per City of Madison Standard Detail Drawing 5.7.31 and shall require the installation of a Kor n Seal Boot.

METHOD OF MEASUREMENT

Storm Sewer Tap shall be measured by the individual tap as listed on the proposal page without measurement thereof.

BASIS OF PAYMENT

Storm Sewer Tap 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 90000 - CONSTRUCTION FENCING (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 fencing shall be installed to discourage access to the construction area by the general public during the course of the project. Fencing 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 fencing 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 fencing as needed to perform the work. Fencing shall be left in place until construction operations are complete.

Construction fencing 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)

METHOD OF MEASUREMENT

Construction Fence (Plastic) shall be measured by the plan 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 INSTALLATION

DESCRIPTION

All play equipment shall be purchased by the City of Madison and ordered for delivery from the play equipment vendor to the Contractor's pre-determined receiving location. The Contractor shall provide equipment and labor for off-loading, loading, and trucking as needed. The Contractor is responsible for storing all equipment, securing all deliveries and insuring the completeness of the playground equipment order prior to installation. Original packing slips from each shipment shall be provided to the Engineer.

The Contractor shall contact the Engineer within three (3) working days of receipt of the playground equipment to confirm equipment matches what was specified.

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 the City of Madison Playground Construction Inspector (225-0810) and Dan Rodman (209-7012), the City of Madison Parks Surveyor. Please allow 48 hours to schedule.

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.

For Badger Park, play equipment installation shall also include installation of the Gerber Tuffrider Horse. This piece of equipment shall be removed from its current location by City staff, and stored at the Goodman Maintenance Facility located at 1402 Wingra Creek Parkway, for pickup by the Contractor to install at Badger Park.

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.

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

Playground Equipment Installation 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.

Playground timbers shall be purchased by the City of Madison and ordered for delivery from the vendor to the Contractor's pre-determined receiving location. The Contractor shall provide equipment and labor for off-loading, loading, and trucking as needed. The Contractor is responsible for storing and securing all deliveries and insuring the completeness of the playground timber order prior to installation. Original packing slips from each shipment shall be provided to the Engineer.

All installation of equipment shall adhere and conform to the installation specifications as provided by the playground timber 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 wood fiber mulch playground surfacing.

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 shall be installed to the finished elevations as indicated on the plans. Minimum installed depth of wood fiber mulch is twelve (12) inches.

Double handling, stockpiling and placing 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 RUBBER MULCH

DESCRIPTION

This item shall include all necessary work, labor and incidentals required to receive, store, transport and distribute rubber mulch playground surfacing.

All rubber mulch playground surfacing shall be purchased by the City of Madison and ordered for delivery from the rubber mulch vendor to the City's pre-determined receiving location. The rubber mulch shall be available at the City of Madison Goodman Maintenance Facility, 1402 Wingra Creek Parkway, or the Forest Hill Cemetery, 1 Speedway Road, or Yahara Hills Golf Course at 6421 Millpond Road depending upon available storage area. These facilities are open 7:30 am to 2:00 pm for Contractor pickup. The Contractor shall provide equipment and labor for loading, trucking and off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the playground surfacing rubber mulch order prior to installation.

The playground surfacing shall be installed a minimum of nine (9) inches to account for compaction. Quantities identified in the proposal page have been calculated for installation of nine (9) inches of rubber surfacing, assuming compaction to a final depth of seven (7) inches.

Double handling, stockpiling and placing rubber mulch shall be incidental to this bid item.

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

Playground Surfacing Rubber 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 90005 – INSTALL BENCH

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to assemble and install KayPark (Part #6BARP) bench, surface mounted at the locations specified on the plans. 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. **The benches shall be purchased by the City of Madison and ordered for delivery from the bench vendor to the Contractor's pre-determined receiving location.**

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

Install 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 BENCH

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to salvage and reinstall existing benches at the locations specified on the plans.

All double handling is included in this bid tem.

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

Relocate 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 –MODULAR BLOCK RETAINING WALL

DESCRIPTION

This bid item includes all work, materials, equipment and incidentals to install Modular Block Retaining Wall at the locations indicated on the plans. All excavation, base materials, geotextile fabric, clear stone backfill, and modular block components shall be considered incidental to this bid item.

PROPRIETARY MODULAR BLOCK WALL SYSTEMS

Proprietary wall systems may be used for this work, but must conform to the requirements of this specification. The Modular Block Retaining Wall basis of design is:

Unilock Pisa2 Retaining Wall System
Color: Sierra
Unilock
W4814 County Highway A
Elkhorn,WI 53121
Phone: 262-742-3890

For any substitutions, the Contractor must provide a submittal package for consideration by 2:00 PM Wednesday, March 18, 2015. The substitution submittal shall include block dimensions, a picture of the block face texture, the manufacturer's ASTM testing information and installation instructions, and a color image of the available colors.

MATERIALS

Materials furnished under this contract shall conform to the following requirements.

Leveling Pad: The wall leveling pad shall be non-frost susceptible, well graded compacted crushed aggregate (GW-Unified Soil Classification). The wall leveling pad shall be as wide as the proposed blocks or 12 inches (minimum) whichever is greater and shall be compacted to 98% Standard Proctor Density. The bottom of the bottom row of blocks shall be flat and 100% of the block surface shall bear on the leveling pad. The leveling pad shall step to follow the general slope of the ground line. The leveling pad steps shall

keep the bottom of the wall within one block thickness of the minimum embedment, i.e., a minimum embedment plus an additional embedment of up to one block's thickness. Additional embedment may be detailed, but shall not be measured for payment.

Wall Facing: Wall facing units shall consist of precast modular concrete blocks. All units shall incorporate a mechanism or devices which shall develop a mechanical connection between vertical block layers. A single block type and style shall be used throughout each wall. The color of the block shall be as given on the plan or chosen by the Engineer. Modular block facing units which are chipped, cracked or unsightly shall not be used.

The top course of facing units shall be a solid precast concrete unit designed to be compatible with the remainder of the wall. The finishing course shall be bonded to the underlying facing units with a durable, high strength, flexible adhesive compound compatible with the block material. A formed cast-in-place concrete cap may also be used to finish the wall. A cap of this type shall be designed to have texture, color, and appearance which complements the remainder of the wall. The vertical dimension of the cap shall not be less than 3-1/2 inches. Expansion joints shall be placed in the cap to correspond with each 24 inch change in vertical wall height or at a maximum spacing of 10 feet. Concrete for all cast-in-place caps shall be Grade A and shall conform to the requirements of Subsection 501.4 of the WisDOT Standard Specifications.

Block dimensions may vary no more than $\pm 1/8$ inch from the standard values published by the manufacturer. Blocks must have a minimum depth (front face to back face) of 8 inches. The minimum front face thickness of blocks shall be 4 inches measured perpendicular from the front face to inside voids greater than 4 square inches. Also the minimum allowed thickness of any other portions of the block is 2 inches. The front face of the blocks shall conform to plan requirements for color, texture, or patterns.

Connectors: Pins, rods, clips, or other devices used to develop mechanical interlock between facing unit block layers shall be manufactured from corrosion resistant materials. The Contractor shall furnish documentation which establishes and substantiates the design life of such devices.

Backfill Materials: Wall backfill clear stone shall comply with the Article 202 of the Standard Specifications.

All other backfill materials required to finish the wall and restore the ground surface may be selected material available on the project which meets the Engineer's approval.

CONSTRUCTION METHODS

After completion of excavation, the Engineer shall inspect the site and determine if the foundation is adequate for the intended loads. The Engineer shall be allowed two working days to perform the inspection.

The wall facing units shall be placed in accordance with the manufacturer's instructions to the lines, elevations, batter, and tolerances as shown on the plans. The initial layer of facing units shall be centered on the leveling pad, leveled and brought to proper alignment. Formed voids or openings in the facing units shall be filled with Clear Stone. Each layer of facing units shall be swept clean of all debris before the next layer of facing units is placed. All pins, rods, clips, or other devices used to develop mechanical interlock between facing unit layers shall be installed in accordance with the manufacturer's directions. Wall units which are cracked, chipped, or unsightly shall be rejected by the Engineer.

At the end of each working day, the Contractor shall provide good temporary drainage such that the backfill shall not become contaminated with run-off soil or water if it should rain. No materials or large equipment shall be stockpiled or stored within 10 feet of the front face of the wall.

Backfill: Materials shall be placed in the areas as indicated on the plans and as detailed in this specification. Backfill lifts shall be no more than 8-inches in depth. Backfilling shall closely follow erection of each course of wall facing units. Compaction of wall backfill shall be accomplished by at least three passes of lightweight manually operated compaction equipment acceptable to the Engineer.

Backfilling operations shall be conducted in such a manner as to prevent damage or misalignment of the wall facing units, soil reinforcement, or other wall components. Any such damage or misalignment shall be corrected at the Contractor's expense as directed by the Engineer. A field representative of the wall supplier shall be available during wall construction to provide technical assistance to the Contractor and the Engineer.

No tracked or wheeled equipment may operate on the backfill within 3 feet from the back face of modular blocks. The Engineer may order the removal of any large or heavy equipment which may cause damage or misalignment of the wall facing units.

METHOD OF MEASUREMENT

Modular Block Retaining Wall shall be measured by the square foot of face on a vertical plane between the top of the leveling pad and a line indicating the top of wall including wall cap or copings as required and shown on the plans. Unless ordered by the Engineer, wall area constructed above or below these limits shall not be measured for payment. The total quantity shall be the sum of the quantities for each wall segment.

BASIS OF PAYMENT

Modular Retaining Block Wall, measured as provided above, shall be paid for at the contract unit price per square foot, which shall be full compensation for site preparation, including all necessary excavation and disposal of surplus materials, supplying all necessary wall components to produce a functional system, construction of the retaining system as shown on Sheet 8.3 and including, but not limited to backfill, backfilling, compaction, and for furnishing all tools, labor, and equipment necessary to complete the work.

END OF SPECIAL PROVISIONS

SECTION E: BIDDERS ACKNOWLEDGEMENT

2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493

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.

1. 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 - 2015 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. _____ through _____ 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)
2. 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.
3. 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.
4. 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).
5. I hereby certify that all statements herein are made on behalf of Dresen Decks & Patios Inc. (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 _____; an individual trading as _____; of the City of _____ State of _____; 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.

Karen Queen

 SIGNATURE
President

 TITLE, IF ANY

Sworn and subscribed to before me this
27 day of March, 2015.

Magdalena MB

 (Notary Public or other officer authorized to administer oaths)
 My Commission Expires 1/26/15

Bidders shall not add any conditions or qualifying statements to this Proposal.

SECTION F: DISCLOSURE OF OWNERSHIP & BEST VALUE CONTRACTING

2015 PARK PLAYGROUNDS - GROUP 2 CONTRACT NO. 7493

State of Wisconsin
Department of Workforce Development
Equal Rights Division
Labor Standards Bureau

Disclosure of Ownership

Notice required under Section 15.04(1)(m), Wisconsin Statutes. The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d) and 103.49(7)(d), Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes. Personal information you provide may be used for secondary purposes.

- (1) On the date a contractor submits a bid to or completes negotiations with a state agency or local governmental unit, on a project subject to Section 66.0903 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency or local governmental unit the name of any "other construction business", which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.
- (2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 103.49(2) and 103.50(2), Wisconsin Statutes.
- (3) This form must ONLY be filed, with the state agency or local governmental unit that will be awarding the contract, if **both (A) and (B) are met.**
 - (A) The contractor, or a shareholder, officer or partner of the contractor:
 - (1) Owns at least a 25% interest in the "other construction business", indicated below, on the date the contractor submits a bid or completes negotiations.
 - (2) Or has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.
 - (B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.

Other Construction Business

Not Applicable

Name of Business

Street Address or P O Box

City

State

Zip Code

Name of Business

Street Address or P O Box

City

State

Zip Code

Name of Business

Street Address or P O Box

City

State

Zip Code

I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.

Print the Name of Authorized Officer

Kevin Doesen

Signature of Authorized Officer

Date Signed

Name of Corporation, Partnership or Sole Proprietorship

Street Address or P O Box

City

State

Zip Code

If you have any questions call (608) 266-0028

ERD-777-E (R. 09/2003)

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493**

Best Value Contracting

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.

None

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

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 & FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER & DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER & WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER & FINISHER
- TELECOMMUNICATIONS (VOICE, DATA & VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493

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: Dresen's Decks & Patios, Inc.
Address: 9031 Katzenbyechel Rd Mazomanie, WI 53560
Telephone Number: 608-235-1497 Fax Number: 608-767-3140
Contact Person/Title: Kevin Dresen, President

Prime Bidder Certification

I, Kevin Dresen, President of
Name Title
Dresen's Decks & Patios, Inc. certify that the information
Company

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

[Signature]
Witness' Signature
3-27-15
Date

[Signature]
Bidder's Signature

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT NO. 7493**

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
Living Landscapes, LLC.	landscaping	14 %
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		<u>14</u> %

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
N/A		%
		%
		%
		%
		%
		%
Subtotal Contractors who are suppliers:	<u> </u> % x 0.6 = <u> </u> % (discounted to 60%)	

Total Percentage of SBE Utilization: 14 %.

2015 PARK PLAYGROUNDS - GROUP 2
 CONTRACT NO. 7493
 DATE: 3/27/15

Dresen's Decks &
 Patios, Inc.

Item	Quantity	Price	Extension
Section B: Proposal Page - Arbor Hills Park			
10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	58.00	\$15.75	\$913.50
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	273.00	\$15.75	\$4,299.75
20104.0 - EXCAVATION CUT - OBJECTS GREATER THAN 4' IN DIAMETER - CY	10.00	\$30.00	\$300.00
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	341.22	\$1.40	\$477.71
20201.0 - FILL - CY	176.00	\$15.75	\$2,772.00
20217.0 - CLEAR STONE - TON	28.00	\$15.75	\$441.00
20221.0 - TOPSOIL - SY	373.00	\$11.75	\$4,382.75
20701.0 - TERRACE SEEDING - SY	1307.00	\$1.20	\$1,568.40
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	638.00	\$6.75	\$4,306.50
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	375.00	\$3.25	\$1,218.75
40102.0 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 - TON	57.00	\$78.00	\$4,446.00
40201.0 - 3" DEPTH HMA PAVEMENT TYPE E-0.3 - TON	18.20	\$332.00	\$6,042.40
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	834.00	\$1.60	\$1,334.40
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$6,200.00	\$6,200.00
90002.0 - PLAYGROUND TIMBERS - EA	43.00	\$15.75	\$677.25
90004.0 - PLAYGROUND SURFACING - RUBBER MULCH - CY	94.00	\$10.60	\$996.40
90007.0 - MODULAR BLOCK RETAINING WALL - SF	108.00	\$40.50	\$4,374.00
Section B: Proposal Page - Badger Park			
10803.0 - ROOT CUTTING - EA	5.00	\$100.00	\$500.00
10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	36.00	\$15.75	\$567.00
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	174.00	\$15.75	\$2,740.50
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	315.00	\$1.40	\$441.00
20201.0 - FILL - CY	116.00	\$15.75	\$1,827.00
20217.0 - CLEAR STONE - TON	17.00	\$15.75	\$267.75
20221.0 - TOPSOIL - SY	193.00	\$11.75	\$2,267.75
20701.0 - TERRACE SEEDING - SY	692.00	\$1.20	\$830.40
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	382.00	\$6.75	\$2,578.50
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	206.00	\$3.25	\$669.50
30301.0 - 5 INCH CONCRETE SIDEWALK - SF	40.00	\$9.15	\$366.00
40102.0 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 - TON	16.00	\$78.00	\$1,248.00
40201.0 - 3" DEPTH HMA PAVEMENT TYPE E-0.3 - TON	4.90	\$332.00	\$1,626.80
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	403.00	\$1.60	\$644.80
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$6,400.00	\$6,400.00
90002.0 - PLAYGROUND TIMBERS - EA	52.00	\$15.75	\$819.00
90004.0 - PLAYGROUND SURFACING - RUBBER MULCH - CY	86.00	\$10.60	\$911.60
90006.0 - RELOCATE BENCH - EA	1.00	\$250.00	\$250.00
Section B: Proposal Page - Bernie's Beach Park			
10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	61.00	\$15.75	\$960.75
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	34.00	\$15.75	\$535.50
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	240.00	\$1.40	\$336.00
20201.0 - FILL - CY	59.00	\$15.75	\$929.25
20217.0 - CLEAR STONE - TON	27.00	\$15.75	\$425.25
20221.0 - TOPSOIL - SY	114.00	\$11.75	\$1,339.50
20701.0 - TERRACE SEEDING - SY	507.00	\$1.20	\$608.40
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00

2015 PARK PLAYGROUNDS - GROUP 2
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Dresen's Decks &
 Patios, Inc.

Item	Quantity	Price	Extension
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	447.00	\$6.75	\$3,017.25
21030.0 - INLET PROTECTION, TYPE B - COMPLETE - EA	2.00	\$300.00	\$600.00
21055.0 - INLET PROTECTION, TYPE D HYBRID - COMPLETE - EA	1.00	\$300.00	\$300.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	116.00	\$3.25	\$377.00
40102.0 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 - TON	21.00	\$78.00	\$1,638.00
40201.0 - 3" DEPTH HMA PAVEMENT TYPE E-0.3 - TON	8.00	\$332.00	\$2,656.00
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	401.00	\$1.60	\$641.60
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$5,800.00	\$5,800.00
90002.0 - PLAYGROUND TIMBERS - EA	44.00	\$15.75	\$693.00
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	87.00	\$9.50	\$826.50

Section B: Proposal Page - Demetral Park

10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	23.00	\$15.75	\$362.25
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	539.00	\$15.75	\$8,489.25
20130.0 - UNDERDRAIN - LF	293.00	\$4.00	\$1,172.00
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	415.44	\$1.40	\$581.62
20201.0 - FILL - CY	430.00	\$15.75	\$6,772.50
20217.0 - CLEAR STONE - TON	17.00	\$15.75	\$267.75
20221.0 - TOPSOIL - SY	719.00	\$11.75	\$8,448.25
20301.0 - SAWCUT BITUMINOUS PAVEMENT - LF	7.00	\$12.00	\$84.00
20701.0 - TERRACE SEEDING - SY	1156.00	\$1.20	\$1,387.20
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	426.00	\$6.75	\$2,875.50
21030.0 - INLET PROTECTION, TYPE B - COMPLETE - EA	2.00	\$300.00	\$600.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	747.00	\$3.25	\$2,427.75
50792.0 - STORM SEWER TAP - EA	1.00	\$300.00	\$300.00
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	476.00	\$1.60	\$761.60
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$5,100.00	\$5,100.00
90002.0 - PLAYGROUND TIMBERS - EA	70.00	\$15.75	\$1,102.50
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	152.00	\$9.50	\$1,444.00
90005.0 - INSTALL BENCH - EA	2.00	\$200.00	\$400.00

Section B: Proposal Page - Junction Ridge Park

10803.0 - ROOT CUTTING - EA	1.00	\$100.00	\$100.00
10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	32.00	\$15.75	\$504.00
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	158.00	\$15.75	\$2,488.50
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	277.00	\$1.40	\$387.80
20201.0 - FILL - CY	115.00	\$15.75	\$1,811.25
20217.0 - CLEAR STONE - TON	18.00	\$15.75	\$283.50
20221.0 - TOPSOIL - SY	190.00	\$11.75	\$2,232.50
20701.0 - TERRACE SEEDING - SY	457.00	\$1.20	\$548.40
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	267.00	\$6.75	\$1,802.25
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	175.00	\$3.25	\$568.75
30301.0 - 5 INCH CONCRETE SIDEWALK - SF	81.00	\$9.15	\$741.15
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	354.00	\$1.60	\$566.40
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$5,800.00	\$5,800.00
90002.0 - PLAYGROUND TIMBERS - EA	49.00	\$15.75	\$771.75
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	101.00	\$9.50	\$959.50
90006.0 - RELOCATE BENCH - EA	2.00	\$200.00	\$400.00

Section B: Proposal Page - Sunridge Park

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Dresen's Decks &
 Patios, Inc.

Item	Quantity	Price	Extension
10803.0 - ROOT CUTTING - EA	7.00	\$100.00	\$700.00
10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	50.00	\$15.75	\$787.50
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	171.00	\$15.75	\$2,693.25
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	357.00	\$1.40	\$499.80
20201.0 - FILL - CY	34.00	\$15.75	\$535.50
20217.0 - CLEAR STONE - TON	8.00	\$15.75	\$126.00
20221.0 - TOPSOIL - SY	158.00	\$11.75	\$1,856.50
20701.0 - TERRACE SEEDING - SY	260.00	\$1.20	\$312.00
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	376.00	\$6.75	\$2,538.00
21055.0 - INLET PROTECTION, TYPE D HYBRID - COMPLETE - EA	3.00	\$300.00	\$900.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	156.00	\$3.25	\$507.00
40102.0 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 - TON	9.00	\$78.00	\$702.00
40201.0 - 3" DEPTH HMA PAVEMENT TYPE E-0.3 - TON	2.70	\$332.00	\$896.40
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	357.00	\$1.60	\$571.20
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$6,500.00	\$6,500.00
90002.0 - PLAYGROUND TIMBERS - EA	50.00	\$15.75	\$787.50
90004.0 - PLAYGROUND SURFACING - RUBBER MULCH - CY	98.00	\$10.60	\$1,038.80
Section B: Proposal Page - Tenney Beach Park			
10803.0 - ROOT CUTTING - EA	2.00	\$100.00	\$200.00
10911.0 - MOBILIZATION - LS	1.00	\$2,000.00	\$2,000.00
20101.0 - EXCAVATION CUT - CY	40.00	\$15.75	\$630.00
20103.0 - EXCAVATION CUT - PEA GRAVEL - CY	157.00	\$15.75	\$2,472.75
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - SY	326.00	\$1.40	\$456.40
20201.0 - FILL - CY	70.00	\$15.75	\$1,102.50
20217.0 - CLEAR STONE - TON	9.00	\$15.75	\$141.75
20221.0 - TOPSOIL - SY	109.00	\$11.75	\$1,280.75
20401.0 - CLEARING - ID	3.00	\$200.00	\$600.00
20403.0 - GRUBBING - ID	3.00	\$200.00	\$600.00
20701.0 - TERRACE SEEDING - SY	213.00	\$1.20	\$255.60
21011.0 - CONSTRUCTION ENTRANCE - EA	1.00	\$1,000.00	\$1,000.00
21017.0 - SILT SOCK (8 INCH) - COMPLETE - LF	337.00	\$6.75	\$2,274.75
21030.0 - INLET PROTECTION, TYPE B - COMPLETE - EA	1.00	\$300.00	\$300.00
21055.0 - INLET PROTECTION, TYPE D HYBRID - COMPLETE - EA	3.00	\$300.00	\$900.00
21061.0 - EROSION MATTING, CLASS I URBAN TYPE A - SY	110.00	\$3.25	\$357.50
30301.0 - 5 INCH CONCRETE SIDEWALK - SF	444.00	\$9.15	\$4,062.60
90000.0 - CONSTRUCTION FENCE (PLASTIC) - LF	319.00	\$1.60	\$510.40
90001.0 - PLAYGROUND EQUIPMENT INSTALLATION - LS	1.00	\$6,100.00	\$6,100.00
90002.0 - PLAYGROUND TIMBERS - EA	50.00	\$15.75	\$787.50
90003.0 - PLAYGROUND SURFACING - WOOD FIBER MULCH - CY	121.00	\$9.50	\$1,149.50
Totals			\$221,065.78

SECTION G: BID BOND

KNOW ALL MEN BY THESE PRESENT, THAT Dresen Decks & Patios Inc. _____ (a corporation of the State of Wisconsin _____) (individual), (partnership), hereinafter referred to as the "Principal") and ^{West Bend Mutual} _____, a corporation of the State of Wisconsin _____ (hereinafter referred to as the "Surety") and licensed to do business in the State of Wisconsin, 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:

2015 PARK PLAYGROUNDS-GROUP 2 CONTRACT NO. 7493

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 Dresen Decks & Patios Inc. 3/27/15
Principal _____ Date _____
By: *Karen Dresen* _____

West Bend Mutual Insurance Company
Name of Surety _____
By: *Brooke Parker* _____ 3/27/15
Brooke Parker, Attorney-in-Fact _____ Date _____

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 2512433 for the year 2015, 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.

3/27/15
Date _____

Hausmann-Johnson Insurance Company
Agent _____

Brooke Parker

700 Regent St.
Address _____

Madison, WI 53715
City, State and Zip Code _____

608-257-3795
Telephone Number _____

NOTE TO SURETY & PRINCIPAL

The bid submitted which this bond guarantees may 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.



2281584

Power of Attorney

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

BROOKE PARKER

lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: Four Hundred Thousand Dollars (\$400,000)

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21st day of December, 1999.

Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of March, 2009.

Attest

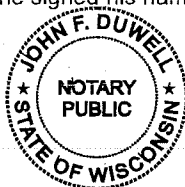
James J. Pauly
James J. Pauly
Secretary



Kevin A. Steiner
Kevin A. Steiner
Chief Executive Officer / President

State of Wisconsin
County of Washington

On the 1st day of March, 2009 before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.



John F. Duwell
John F. Duwell
Executive Vice President - Chief Legal Officer
Notary Public, Washington Co. WI
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 27 day of March, 2015



Dale J. Kent
Dale J. Kent
Executive Vice President -
Chief Financial Officer

SECTION H: AGREEMENT

THIS AGREEMENT made this 22 day of APRIL in the year Two Thousand and Fifteen between DRESEN'S DECKS & PATIOS, 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 APRIL 21, 2015, 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:

2015 PARK PLAYGROUNDS – GROUP 2 CONTRACT NO. 7493

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 TWO HUNDRED TWENTY-ONE THOUSAND SIXTY-FIVE AND 78/100 (\$221,065.78) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Wage Rates for Employees of Public Works Contractors**

General and Authorization. The Contractor shall compensate its employees at the prevailing wage rate in accordance with section 66.0903, Wis. Stats., DWD 290 of the Wisconsin Administrative Code and as hereinafter provided unless otherwise noted in Section D: Special Provisions, Subsection 102.10 – Minimum Rate of Wage Scale.

"Public Works" shall include building or work involving the erection, construction, remodeling, repairing or demolition of buildings, parking lots, highways, streets, bridges, sidewalks, street lighting, traffic signals, sanitary sewers, water mains and appurtenances, storm sewers, and the grading and landscaping of public lands.

"Building or work" includes construction activity as distinguished from manufacturing, furnishing of materials, or servicing and maintenance work, except for the delivery of mineral aggregate such as sand, gravel, bituminous asphaltic concrete or stone which is incorporated into the work under contract with the City by depositing the material directly in final place from transporting vehicle.

"Erection, construction, remodeling, repairing" means all types of work done on a particular building or work at the site thereof in the construction or development of the project, including without limitation, erecting, construction, remodeling, repairing, altering, painting, and decorating, the transporting of materials and supplies to or from the building or work done by the employees of the Contractor, Subcontractor, or Agent thereof, and the manufacturing or furnishing of

materials, articles, supplies or equipment on the site of the building or work, by persons employed by the Contractor, Subcontractor, or Agent thereof.

"Employees working on the project" means laborers, workers, and mechanics employed directly upon the site of work.

"Laborers, Workers, and Mechanics" include pre-apprentices, helpers, trainees, learners and properly registered and indentured apprentices but exclude clerical, supervisory, and other personnel not performing manual labor.

Establishment of Wage Rates. The Department of Public Works shall periodically obtain a current schedule of prevailing wage rates from DWD. The schedule shall be used to establish the City of Madison Prevailing Wage Rate Schedule for Public Works Construction (prevailing wage rate). The Department of Public Works may include known increases to the prevailing wage rate which can be documented and are to occur on a future specific date. The prevailing wage rate shall be included in public works contracts subsequently negotiated or solicited by the City. Except for known increases contained within the schedule, the prevailing wage rate shall not change during the contract. The approved wage rate is attached hereto.

Workforce Profile. The Contractor shall, at the time of signature of the contract, notify the City Engineer in writing of the names and classifications of all the employees of the Contractor, Subcontractors, and Agents proposed for the work. In the alternative, the Contractor shall submit in writing the classifications of all the employees of the Contractor, Subcontractors and Agents and the total number of hours estimated in each classification for the work. This workforce profile(s) shall be reviewed by the City Engineer who may, within ten (10) days, object to the workforce profile(s) as not being reflective of that which would be required for the work. The Contractor may request that the workforce profile, or a portion of the workforce profile, be submitted after the signature of the contract but at least ten (10) days prior to the work commencing. Any costs or time loss resulting from modifications to the workforce profile as a result of the City Engineer's objections shall be the responsibility of the Contractor.

Payrolls and Records. The Contractor shall keep weekly payroll records setting forth the name, address, telephone number, classification, wage rate and fringe benefit package of all the employees who work on the contract, including the employees of the Contractor's subcontractors and agents. Such weekly payroll records must include the required information for all City contracts and all other contracts on which the employee worked during the week in which the employee worked on the contract. The Contractor shall also keep records of the individual time each employee worked on the project and for each day of the project. Such records shall also set forth the total number of hours of overtime credited to each such employee for each day and week and the amount of overtime pay received in that week. The records shall set forth the full weekly wages earned by each employee and the actual hourly wage paid to the employee.

The Contractor shall submit the weekly payroll records, including the records of the Contractor's subcontractors and agents, to the City Engineer for every week that work is being done on the contract. The submittal shall be within twenty-one (21) calendar days of the end of the Contractor's weekly pay period.

Employees shall receive the full amounts accrued at the time of the payment, computed at rates not less than those stated in the prevailing wage rate and each employee's rate shall be determined by the work that is done within the trade or occupation classification which should be properly assigned to the employee.

An employee's classification shall not be changed to a classification of a lesser rate during the contract. If, during the term of the contract, an employee works in a higher pay classification than the one which was previously properly assigned to the employee, then that employee shall be considered to be in the higher pay classification for the balance of the contract, receive the appropriate higher rate of pay, and she/he shall not receive a lesser rate during the balance of the

contract. For purposes of clarification, it is noted that there is a distinct difference between working in a different classification with higher pay and doing work within a classification that has varying rates of pay which are determined by the type of work that is done within the classification. For example, the classification "Operating Engineer" provides for different rates of pay for various classes of work and the Employer shall compensate an employee classified as an "Operating Engineer" based on the highest class of work that is done in one day. Therefore, an "Operating Engineer's" rate may vary on a day to day basis depending on the type of work that is done, but it will never be less than the base rate of an "Operating Engineer". Also, as a matter of clarification, it is recognized that an employee may work in a higher paying classification merely by chance and without prior intention, calculation or design. If such is the case and the performance of the work is truly incidental and the occurrence is infrequent, inconsequential and does not serve to undermine the single classification principle herein, then it may not be required that the employee be considered to be in the higher pay classification and receive the higher rate of pay for the duration of the contract. However, the Contractor is not precluded or prevented from paying the higher rate for the limited time that an employee performs work that is outside of the employee's proper classification.

Questions regarding an employee's classification, rate of pay or rate of pay within a classification, shall be resolved by reference to the established practice that predominates in the industry and on which the trade or occupation rate/classification is based. Rate of pay and classification disputes shall be resolved by relying upon practices established by collective bargaining agreements and guidelines used in such determination by appropriate recognized trade unions operating within the City of Madison.

The Contractor, its Subcontractors and Agents shall submit to interrogation regarding compliance with the provisions of this ordinance.

Mulcting of the employees by the Contractor, Subcontractor, and Agents on Public Works contracts, such as by kickbacks or other devices, is prohibited. The normal rate of wage of the employees of the Contractor, Subcontractor, and Agents shall not be reduced or otherwise diminished as a result of payment of the prevailing wage rate on a public works contract.

Hourly contributions. Hourly contributions shall be determined in accordance with the prevailing wage rate and with DWD. 290.01(10), Wis. Admin. Code.

Apprentices and Subjourney persons. Apprentices and sub journeypersons performing work on the project shall be compensated in accordance with the prevailing wage rate and with DWD 290.02, and 290.025, respectively, Wis. Admin. Code.

Straight Time Wages. The Contractor may pay straight time wages as determined by the prevailing wage rate and DWD 290.04, Wis. Admin. Code.

Overtime Wages. The Contractor shall pay overtime wages as required by the prevailing wage rate and DWD 290.05, Wis. Admin. Code.

Posting of Wage Rates and Hours. A clearly legible copy of the prevailing wage rate, together with the provisions of Sec. 66.0903(10)(a) and (11)(a), Wis. Stats., shall be kept posted in at least one conspicuous and easily accessible place at the project site by the Contractor and such notice shall remain posted during the full time any laborers, workers or mechanics are employed on the contract.

Evidence of Compliance by Contractor. Upon completion of the contract, the Contractor shall file with the Department of Public Works an affidavit stating:

- a. That the Contractor has complied fully with the provisions and requirements of Sec. 66.0903(3), Wis. Stats., and Chapter DWD 290, Wis. Admin. Code; the Contractor has received evidence of compliance from each of the agents and subcontractors; and the

names and addresses of all of the subcontractors and agents who worked on the contract.

- b. That full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records will be kept and the name, address and telephone number of the person who will be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Evidence of Compliance by Agent and Subcontractor. Each agent and subcontractor shall file with the Contractor, upon completion of their portion of the work on the contract an affidavit stating that all the provisions of Sec. 66.0903(3), Wis. Stats., have been fully complied with and that full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records shall be kept and the name, address and telephone number of the person who shall be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Failure to Comply with the Prevailing Wage Rate. If the Contractor fails to comply with the prevailing wage rate, she/he shall be in default on the contract. In addition, if DWD finds that a contractor or subcontractor violated the prevailing wage law, DWD will assess liquidated damages of 100% of the wages owed to employees.

Establishment of Wage Rates. The Department of Public Works shall periodically obtain a current schedule of prevailing wage rates from DWD. The schedule shall be used to establish the City of Madison Prevailing Wage Rate Schedule for Public Works Construction (prevailing wage rate). The Department of Public Works may include known increases to the prevailing wage rate which can be documented and are to occur on a future specific date. The prevailing wage rate shall be included in public works contracts subsequently negotiated or solicited by the City. Except for known increases contained within the schedule, the prevailing wage rate shall not change during the contract. The approved wage rate and DWD prevailing wage requirements are attached hereto as Sec. I of the contract.

5. **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, qualifications 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 stated 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 five thousand dollars (\$5,000), 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.)

6. 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.

2015.PARK PLAYGROUNDS – GROUP 2
CONTRACT NO. 7493

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:

DRESEN'S DECKS & PATIOS, INC.

Company Name

Jared Christenson 5-8-15 Ken Dren 5-8-15
Witness Date President Date

Witness

Date

Secretary

Date

CITY OF MADISON, WISCONSIN

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

Approved as to form:

One hundred
Finance Director

[Signature]
City Attorney

Signed this 21st day of May

[Signature]
Mayor

5-21-15
Date

[Signature]
Witness

Thomas Lund
Witness

[Signature]
City Clerk

5-14-2015
Date

SECTION 1: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we DRESEN'S DECKS & PATIOS, INC. as principal, and West Bend Mutual Insurance Company Company of Wisconsin as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of TWO HUNDRED TWENTY-ONE THOUSAND SIXTY-FIVE AND 78/100 (\$221,065.78) 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:

2015 PARK PLAYGROUNDS -- GROUP 2
CONTRACT NO. 7493

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 22nd day of April, 2015.

Countersigned:

Jenel Christianson
Witness

DRESEN'S DECKS & PATIOS, INC.
Company Name (Principal)
Ken Dresen
President Seal

Secretary

Approved as to form:

[Signature]
City Attorney

West Bend Mutual Insurance Company
Surety Seal
 Salary Employee Commission
By Gigi Mitchell
Attorney-in-Fact Gigi Mitchell

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 2654914 for the year 2015, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

5/4/15
Date

Gigi Mitchell
Agent Signature Gigi Mitchell

Power of Attorney

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

Gigi Mitchell

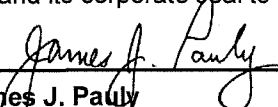
lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: Four Hundred Thousand Dollars (\$400,000)

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21st day of December, 1999.

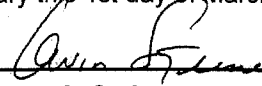
Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of March, 2009.

Attest

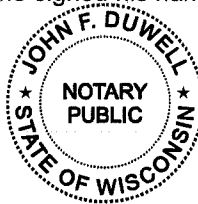

James J. Pauly
Secretary

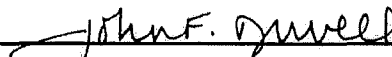



Kevin A. Steiner
Chief Executive Officer / President

State of Wisconsin
County of Washington

On the 1st day of March, 2009 before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.





John F. Duwell
Executive Vice President - Chief Legal Officer
Notary Public, Washington Co. WI
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 29 day of April, 2015




Dale J. Kent
Executive Vice President -
Chief Financial Officer

SECTION J: PREVAILING WAGE RATES

PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin
Department of Workforce Development
Pursuant to s. 66.0903, Wis. Stats.
Issued On: 1/7/2015

DETERMINATION NUMBER: 201500014

EXPIRATION DATE: Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2015. If NOT, You MUST Reapply.

PROJECT NAME: ALL PUBLIC WORKS PROJECTS UNDER SEC. 66.0903, STATS-CITY OF MADISON

PROJECT LOCATION: MADISON CITY, DANE COUNTY, WI

CONTRACTING AGENCY: CITY OF MADISON - ENGINEERING

CLASSIFICATION:	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm .
OVERTIME:	Time and one-half must be paid for all hours worked: <ul style="list-style-type: none">- over 10 hours per day on prevailing wage projects- over 40 hours per calendar week- Saturday and Sunday- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;- The day before if January 1, July 4 or December 25 falls on a Saturday;- The day following if January 1, July 4 or December 25 falls on a Sunday. Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime. A DOT Premium (discussed below) may supersede this time and one-half requirement.
FUTURE INCREASE:	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
PREMIUM PAY:	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
DOT PREMIUM:	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
APPRENTICES:	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
SUBJOURNEY:	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place on **the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.

s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR" for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

s. 66.0903 (11) LIABILITY AND PENALTIES.

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.

3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

BUILDING OR HEAVY CONSTRUCTION

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
102	Boilermaker Future Increase(s): Add \$1.50/hr. on 01/01/2016	33.35	28.24	61.59
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$1.40 on 06/01/2015; Add \$1.45 on 06/06/2016 Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	18.66	51.48
104	Cabinet Installer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.72	16.00	48.72
106	Carpet Layer or Soft Floor Coverer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
107	Cement Finisher	31.98	12.04	44.02
108	Drywall Taper or Finisher	26.05	18.23	44.28
109	Electrician Future Increase(s): Add \$1.20/hr on 6/1/15; Add \$1.25/hr on 6/1/16. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.82	19.67	54.49
110	Elevator Constructor	43.84	27.09	70.93

Fringe Benefits Must Be Paid On All Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
111	Fence Erector	18.00	6.09	24.09
112	Fire Sprinkler Fitter	36.79	18.81	55.60
113	Glazier Future Increase(s): Add \$.75/hr eff. 06/01/2015; Add \$.90/hr eff. 06/01/2016	37.07	14.42	51.49
114	Heat or Frost Insulator	33.43	25.81	59.24
115	Insulator (Batt or Blown) Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
116	Ironworker	31.50	20.01	51.51
117	Lather	31.40	15.90	47.30
118	Line Constructor (Electrical)	39.50	17.73	57.23
119	Marble Finisher	16.25	2.32	18.57
120	Marble Mason	32.09	18.04	50.13
121	Metal Building Erector	19.05	8.08	27.13
122	Millwright Future Increase(s): Add \$1.47/hr on 6/1/2015; Add \$1.47/hr on 6/1/2016.	34.44	16.07	50.51
123	Overhead Door Installer	27.46	1.98	29.44
124	Painter	25.75	16.60	42.35
125	Pavement Marking Operator	30.10	17.34	47.44
126	Piledriver Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 6/1/2016. Premium Increase(s): Add \$.65/hr for Piledriver Loftsman; Add \$.75/hr for Sheet Piling Loftsman. DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	30.11	26.51	56.62
127	Pipeline Fuser or Welder (Gas or Utility)	30.83	20.89	51.72
129	Plasterer Future Increase(s): Add \$1.56 on 06/01/2015; Add \$1.61 on 06/01/2016; Add \$1.66 on 06/01/2017	32.65	19.36	52.01
130	Plumber Future Increase(s): Add \$1.80 on 6/1/15	37.57	17.47	55.04

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
132	Refrigeration Mechanic Future Increase(s): Add \$1.80 on 6/1/15	44.20	18.26	62.46
133	Roofer or Waterproofer	29.40	11.31	40.71
134	Sheet Metal Worker	34.45	22.54	56.99
135	Steamfitter Future Increase(s): Add \$1.80/hr on 6/1/15.	44.20	18.26	62.46
137	Teledata Technician or Installer Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.50	12.74	35.24
138	Temperature Control Installer	42.95	15.04	57.99
139	Terrazzo Finisher	16.25	2.32	18.57
140	Terrazzo Mechanic	31.18	17.35	48.53
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter	29.81	17.18	46.99
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	36.17	19.44	55.61
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	30.16	15.11	45.27
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	26.76	58.36
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	14.49	42.14
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.83	15.01	42.84
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.90	9.83	31.73

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle	32.89	18.96	51.85
203	Three or More Axle	18.00	21.99	39.99

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
204	Articulated, Euclid, Dumptror, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	18.00	21.99	39.99

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016 Premium Increase(s): Add \$1.00/hr for certified welder; Add \$.25/hr for mason tender	24.97	15.12	40.09
302	Asbestos Abatement Worker	18.00	9.58	27.58
303	Landscaper	18.75	10.26	29.01
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	21.55	14.14	35.69
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	18.82	14.16	32.98
314	Railroad Track Laborer	14.50	5.29	19.79
315	Final Construction Clean-Up Worker Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016	24.97	15.12	40.09

**HEAVY EQUIPMENT OPERATORS
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfgr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	31.62	19.78	51.40
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	41.65	21.71	63.36

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	35.46	20.40	55.86

**HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016. Premium Increase(s): Add \$.50/hr for >200 Ton; Add \$1/hr at 300 Ton; Add \$1.50/hr at 400 Ton; Add \$2/hr at 500 Ton & Over.	36.67	19.78	56.45
509	Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016. Premium Increase(s): Add \$.25/hr for all >45 Ton lifting capacity cranes.	35.42	19.78	55.20
510	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	34.22	19.78	54.00

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	31.62	19.78	51.40
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	30.99	19.78	50.77
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment). Future Increase(s): Add \$1/hr on 6/1/2015; Add \$1/hr on 5/30/2016.	36.34	22.14	58.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.65/hr on 6/1/2015.	33.12	19.35	52.47
516	Fiber Optic Cable Equipment	28.89	17.95	46.84

SEWER, WATER OR TUNNEL CONSTRUCTION

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

SKILLED TRADES

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
103	Bricklayer, Blocklayer or Stonemason	32.09	18.04	50.13
105	Carpenter Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.65/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.13	20.61	54.74
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	35.18	16.78	51.96
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.93	22.77	56.70
111	Fence Erector	18.00	6.09	24.09
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	39.50	17.73	57.23
125	Pavement Marking Operator	30.10	17.34	47.44
126	Piledriver	29.56	25.71	55.27
130	Plumber	21.50	0.00	21.50
135	Steamfitter	42.95	17.81	60.76
137	Teledata Technician or Installer	22.25	12.24	34.49
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	13.28	38.96
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.18	18.31	43.49
203	Three or More Axle	19.50	4.97	24.47
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	19.50	4.97	24.47

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016 Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for tunnel work 0-15 lbs. compressed air; Add \$2.00 for over 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	26.34	15.13	41.47
303	Landscaper	39.43	0.00	39.43

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
304	Flagperson or Traffic Control Person	31.95	0.00	31.95
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
314	Railroad Track Laborer	14.50	5.29	19.79

**HEAVY EQUIPMENT OPERATORS
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
521	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver. Future Increase(s): Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	37.24	20.10	57.34
522	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	34.22	19.78	54.00
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.82	18.96	49.78
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.69	18.46	49.15
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	30.19	18.96	49.15
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	35.46	20.40	55.86

AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

SKILLED TRADES

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
103	Bricklayer, Blocklayer or Stonemason	32.09	18.04	50.13
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.72	16.00	48.72
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	35.18	16.78	51.96
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.93	22.77	56.70
111	Fence Erector	18.00	6.09	24.09
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	39.50	17.73	57.23
124	Painter	26.65	13.10	39.75
125	Pavement Marking Operator	29.22	25.90	55.12
126	Piledriver Future Increase(s): Add \$1.44/hr on 6/1/2015; Add \$1.44/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.24	16.00	49.24
133	Rofer or Waterproofer	29.40	11.31	40.71

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
137	Teledata Technician or Installer	22.25	12.24	34.49
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.29	46.89
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	12.83	38.51
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.73	12.17	33.90

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.18	18.31	43.49
203	Three or More Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.28	18.31	43.59
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	30.27	21.15	51.42
205	Pavement Marking Vehicle	23.16	21.13	44.29
206	Shadow or Pilot Vehicle	24.37	17.77	42.14

207	Truck Mechanic	24.52	17.77	42.29
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LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s): Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	30.41	15.14	45.55
302	Asbestos Abatement Worker	18.00	9.58	27.58
303	Landscaper Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	30.41	15.14	45.55
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s):	26.76	15.14	41.90

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
	DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.			
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
314	Railroad Track Laborer	14.50	5.29	19.79

**HEAVY EQUIPMENT OPERATORS
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
531	Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.72	21.15	58.87
532	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.22	21.15	58.37

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
533	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm.</p>	36.72	21.15	57.87

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
534	Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.46	21.15	57.61
535	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.17	21.15	57.32
536	Fiber Optic Cable Equipment.	28.89	17.95	46.84
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
538	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
539	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
540	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	35.46	20.40	55.86

LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION
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Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.09	18.04	50.13
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.72	16.00	48.72
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	35.18	16.78	51.96
109	Electrician	35.72	19.17	54.89
111	Fence Erector	18.00	6.09	24.09
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	39.50	17.73	57.23
124	Painter	25.75	16.60	42.35
125	Pavement Marking Operator	30.10	17.34	47.44
126	Piledriver	29.56	25.71	55.27
133	Rofer or Waterproofer	29.40	11.31	40.71
137	Teledata Technician or Installer	22.25	12.24	34.49
143	Tuckpointer, Caulker or Cleaner	23.60	7.10	30.70
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	13.28	38.96
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72

TRUCK DRIVERS

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	25.18	18.31	43.49
203	Three or More Axle	16.00	0.00	16.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
205	Pavement Marking Vehicle	20.85	11.02	31.87
206	Shadow or Pilot Vehicle	24.37	17.77	42.14
207	Truck Mechanic	16.00	0.00	16.00

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer	29.32	12.44	41.76
303	Landscaper Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 Premium Increase(s):	30.13	15.14	45.27

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
	DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).			
304	Flagperson or Traffic Control Person	19.06	14.29	33.35
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
314	Railroad Track Laborer	14.50	5.29	19.79

**HEAVY EQUIPMENT OPERATORS
CONCRETE PAVEMENT OR BRIDGE WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
541	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.72	21.15	58.87

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
542	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm.</p>	37.22	21.15	58.37
543	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p>	35.72	17.85	53.57

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
544	Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm .	36.46	21.15	57.61
545	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	35.17	20.40	55.57
546	Fiber Optic Cable Equipment.	28.89	17.95	46.84
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	41.65	21.71	63.36
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	35.72	17.85	53.57
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	35.46	20.40	55.86

**HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	36.72	20.40	57.12
552	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	37.22	21.15	58.37
553	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames. Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.	36.17	20.80	56.97
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	36.17	21.15	57.32
556	Fiber Optic Cable Equipment.	27.89	17.20	45.09

RESIDENTIAL OR AGRICULTURAL CONSTRUCTION

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
101	Acoustic Ceiling Tile Installer	33.07	16.07	49.14
102	Boilermaker	32.05	28.04	60.09
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$1.40 on 06/01/2015; Add \$1.45 on 06/06/2016 Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	18.66	51.48
104	Cabinet Installer	34.42	0.00	34.42
105	Carpenter	31.40	2.01	33.41
106	Carpet Layer or Soft Floor Coverer	30.00	0.00	30.00
107	Cement Finisher	24.08	0.00	24.08
108	Drywall Taper or Finisher	8.50	0.00	8.50
109	Electrician	20.00	6.62	26.62
110	Elevator Constructor	23.26	0.00	23.26
111	Fence Erector	16.00	3.76	19.76
112	Fire Sprinkler Fitter	39.00	18.00	57.00
113	Glazier Future Increase(s): Add \$.75/hr eff. 06/01/2015; Add \$.90/hr eff. 06/01/2016	37.07	14.42	51.49
114	Heat or Frost Insulator	33.43	25.81	59.24
115	Insulator (Batt or Blown)	23.00	10.55	33.55
116	Ironworker	31.50	20.01	51.51
117	Lather	31.40	2.01	33.41
119	Marble Finisher	16.25	2.32	18.57
120	Marble Mason	32.09	18.04	50.13

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
121	Metal Building Erector	18.00	5.88	23.88
123	Overhead Door Installer	16.65	1.03	17.68
124	Painter	25.75	8.94	34.69
125	Pavement Marking Operator	18.75	2.47	21.22
129	Plasterer	25.00	10.45	35.45
130	Plumber	30.00	10.44	40.44
132	Refrigeration Mechanic	17.00	13.56	30.56
133	Rofer or Waterproofer	15.00	1.37	16.37
134	Sheet Metal Worker	22.54	5.20	27.74
135	Steamfitter	23.62	16.12	39.74
137	Teledata Technician or Installer	18.00	28.48	46.48
138	Temperature Control Installer	22.00	1.62	23.62
139	Terrazzo Finisher	16.25	2.32	18.57
140	Terrazzo Mechanic	30.71	16.52	47.23
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter Future Increase(s): Add \$1.40/hr on 6/01/2015; Add \$1.45/hr on 6/06/2016.	31.55	18.26	49.81
143	Tuckpointer, Caulker or Cleaner	14.00	8.75	22.75
146	Well Driller or Pump Installer	12.75	9.50	22.25
147	Siding Installer	17.25	0.00	17.25

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	16.50	0.00	16.50
203	Three or More Axle	18.00	2.44	20.44
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	18.00	2.44	20.44

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer	24.21	8.02	32.23
302	Asbestos Abatement Worker	16.50	8.21	24.71
303	Landscaper	12.00	0.00	12.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.33	13.65	31.98
315	Final Construction Clean-Up Worker	10.00	3.47	13.47

**HEAVY EQUIPMENT OPERATORS
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames.	34.22	19.78	54.00

Future Increase(s):
Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.

558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	36.72	21.15	57.87
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Future Increase(s):
 Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016;
 Add \$1.25/hr on 6/1/2017.

Premium Increase(s):
 DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm>.

***** END OF RATES *****

Department of Workforce Development
Equal Rights Division
P.O. Box 8928
Madison, WI 53708-8928
Telephone: (608) 266-6860
Fax: (608) 267-4592
TTY: (608) 264-8752



Scott Walker, Governor
Reginald J. Newson, Secretary

PREVAILING WAGE – Contractors

Any public works project that has a total estimated project cost that equals or exceeds prevailing wage project thresholds requires a prevailing wage rate determination issued by the Department of Workforce Development (DWD). Public works include erecting, constructing, remodeling, repairing, demolishing, alterations, painting and decorating projects for a local governmental unit or state agency. State law excludes minor service or maintenance work, warranty work, or work under a supply-and-installation contract. There is a statutory definition for most of these exclusions. The prevailing wage laws that apply to local governmental units and their contractors are §§66.0903 and 103.503, Wis. Stats. The prevailing wage laws that apply to state agencies and their contractors are §§103.49 and 103.503, Wis. Stats. The applicable administrative rules for all prevailing wage projects are DWD 290 and DWD 294, Wis. Adm. Code. These laws include provisions that apply to all contractors and subcontractors working on prevailing wage projects.

Any contractor or subcontractor working on a local governmental unit or state agency's public works project that equals or exceeds current prevailing wage project thresholds must do all of the following:

- Receive and review the project's prevailing wage rate determination (i.e., white sheet).
- Tell subcontractors the project is subject to state prevailing wage law and include the prevailing wage rate determination in the construction contract, or if there is no written contract, provide a copy of the project determination to each subcontractor.
- Hire subcontractors who do *not* appear on the "Consolidated List of Debarred Contractors."
- Have a written substance abuse testing program in place that fulfills the requirements of §103.503, Wis. Stats., before commencing work on the project.

- Notify subcontractors that if DWD finds that a contractor or subcontractor violated the prevailing wage law, DWD will assess liquidated damages of 100% of the wages owed to employees.
- Apply to DWD for subjourney wage rates prior to employing these individuals on the project.
- Receive and retain a completed Affidavit of Compliance from each subcontractor brought on to the project before providing final payment to those subcontractors.
- Submit a completed Affidavit of Compliance to the contractor who brought the subcontractor on to the project before receiving final payment for the project.
- Maintain payroll records for 3 years that comply with §§66.0903(10)(a) or 103.49(5)(a), Stats. and DWD 274.06.
- Respond to requests from DWD or the project owner to provide payroll records and/or respond to prevailing wage complaints filed by employees or third parties.

For more information, visit the prevailing wage website: http://dwd.wisconsin.gov/er/prevailing_wage_rate/default.htm. For further assistance, call the Equal Rights Division at 608-266-6861 and ask for prevailing wage.

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:
 2015 PARK
 PLAYGROUNDS -
 GROUP 2

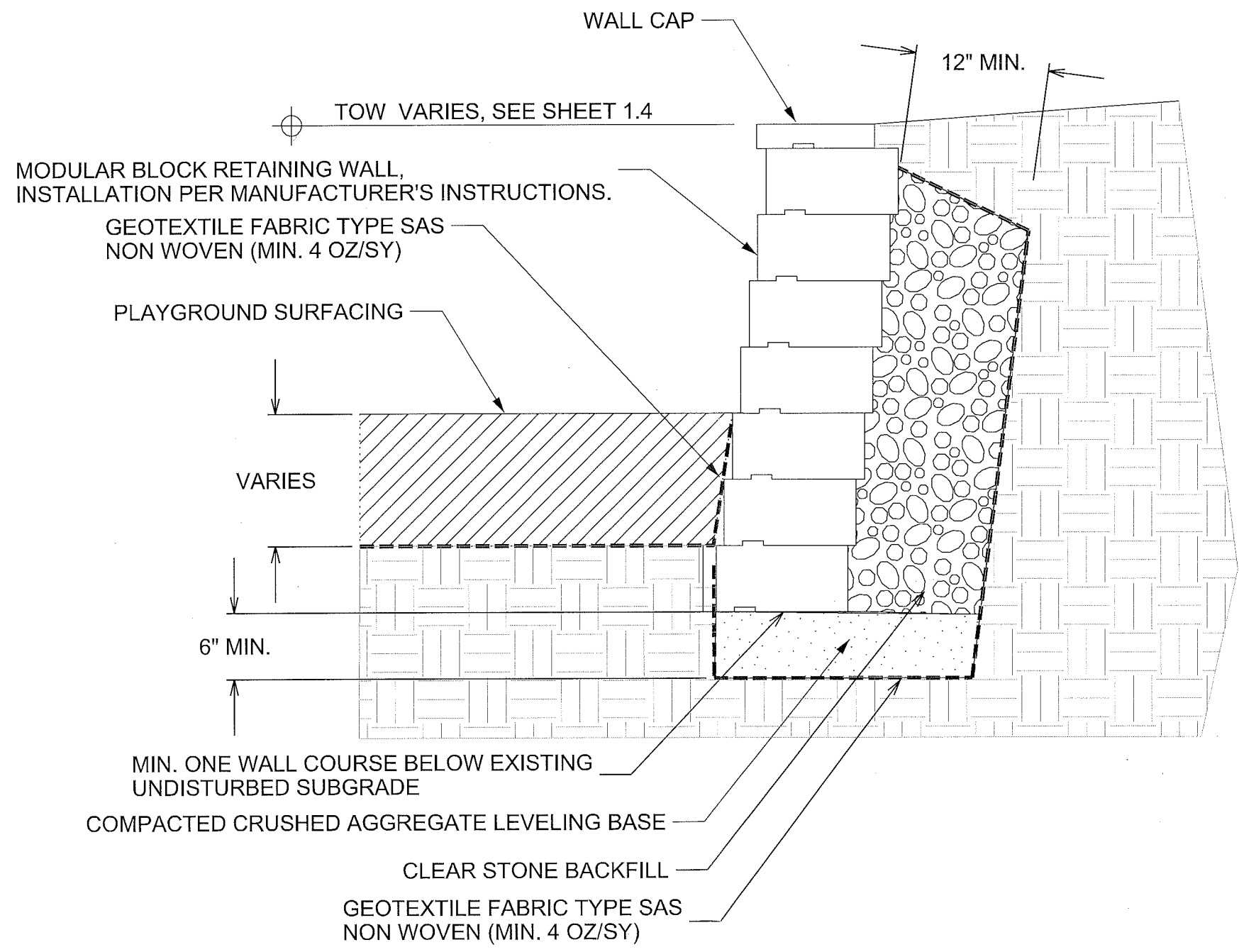
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: SCL/KK	03-06-2015

PUBLIC WORKS PROJECT #:
 7493

SHEET TITLE:
**MODULAR BLOCK
 RETAINING WALL**

SHEET NUMBER:
8.3



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:

*2015 PARK
 PLAYGROUNDS -
 GROUP 2*

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

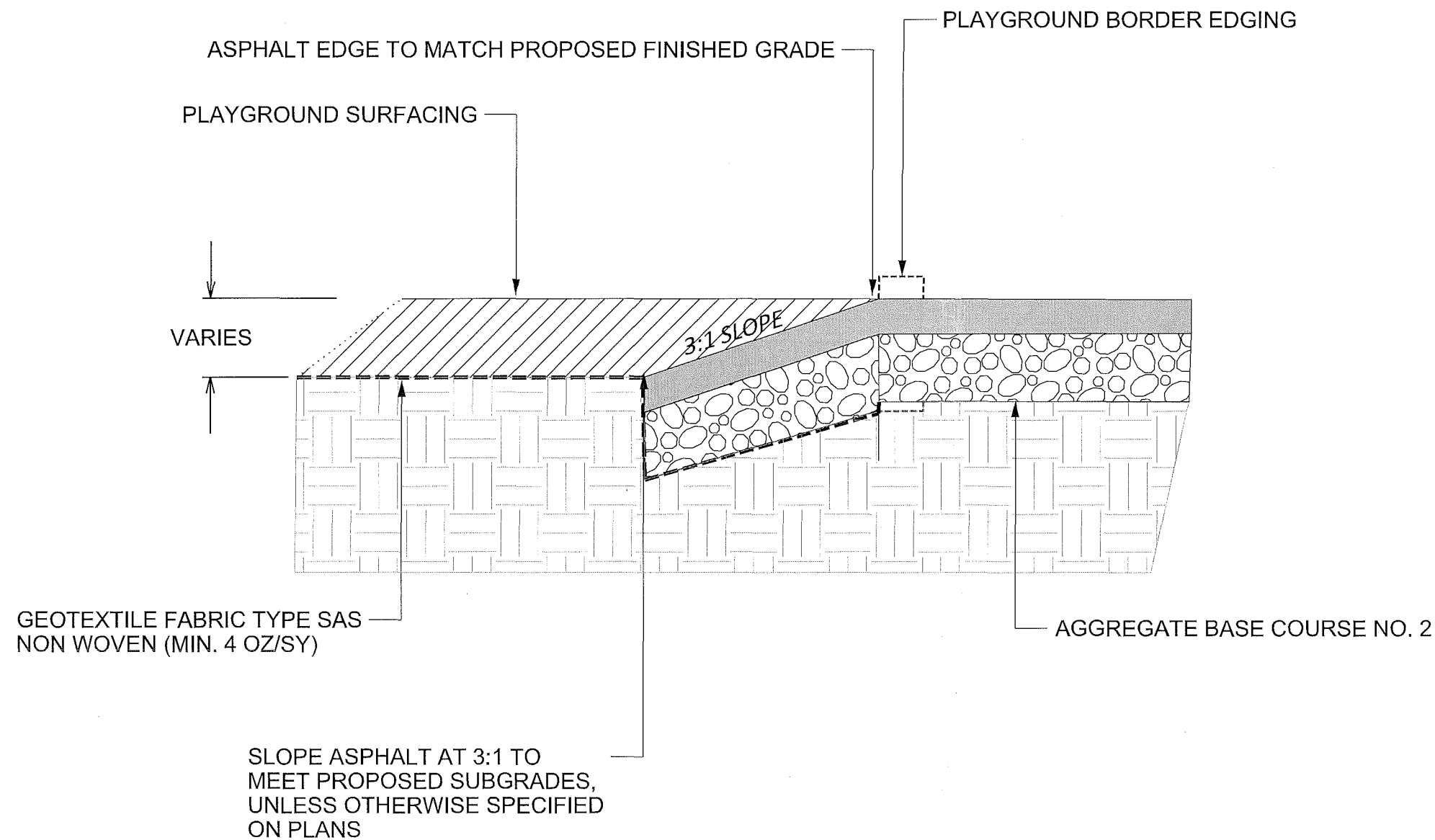
ITEM	DATE
Drawn by: SCL/KK	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
**PAVEMENT EDGE
 AT PLAYGROUND**

SHEET NUMBER:

8.2



NOTE: AT TENNEY PARK PLAYGROUND THE PAVEMENT EDGE IS CONCRETE, NOT ASPHALT. THE CONTRACTOR SHALL FOLLOW THE ABOVE DETAIL, SLOPING THE CONCRETE AT 3:1 TO MEET PROPOSED SUBGRADES. BASE COURSE MATERIAL AND DEPTHS FOR CONCRETE SHALL FOLLOW THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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:
 2015 PARK
 PLAYGROUNDS -
 GROUP 2

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

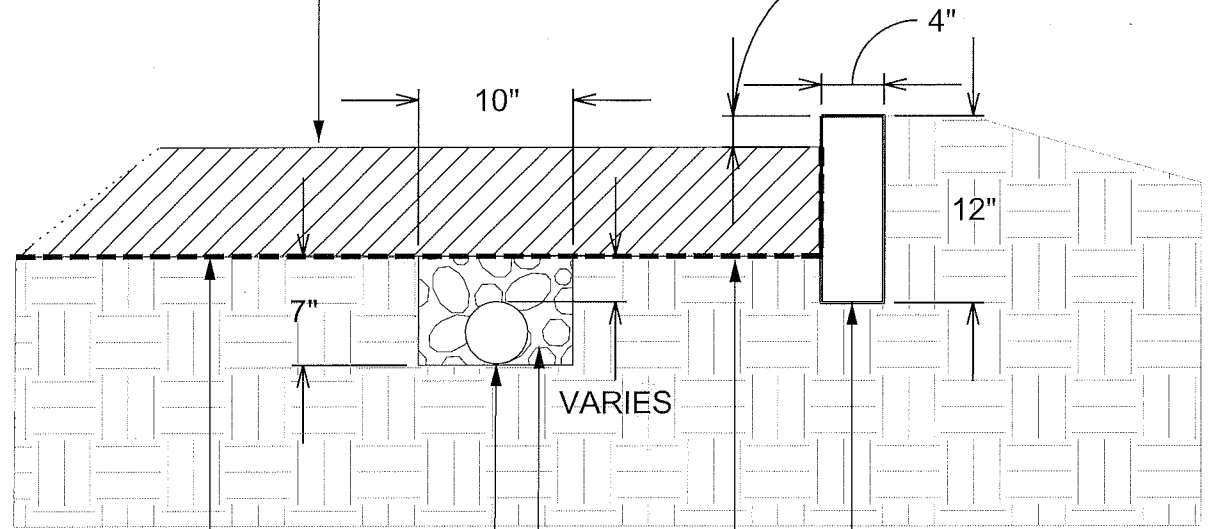
ITEM	DATE
Drawn by: SCL/KK	03-06-2015

PUBLIC WORKS PROJECT #:
7439

SHEET TITLE:
**TYPICAL PLAYGROUND
 SURFACING WITH
 UNDERDRAIN**

SHEET NUMBER:
8.1

PLAYGROUND SURFACING
 2" LIP BETWEEN PLAYGROUND BORDER TIMBERS AND FINAL PLAYGROUND SURFACING GRADE
 4"



TEXTILE FABRIC TYPE SAS NON WOVEN (MIN. 4 OZ/SY)

4 INCH PERFORATED PVC DRAIN PIPE WITH 'SOCK'
 PITCHED MINIMUM OF 0.5% SLOPE

OPEN GRADED BASE COURSE WI DOT GRADATION
 NO. 2 AS SPECIFIED IN SECTION 501.2.5.4.4 OF WI
 DOT STANDARD SPECIFICATIONS

PLAYGROUND SUBGRADE
 - MIN. 7" FROM PLAYGROUND SURFACE FINISHED
 GRADE FOR SHREDDED RUBBER MULCH
 - MIN. 12" FROM FROM PLAYGROUND SURFACE
 FINISHED GRADE FOR WOOD MULCH

PROPOSED PLAYGROUND BORDER
 TIMBERS PER MANUFACTURER'S
 INSTALLATION SPECIFICATIONS

Tenney Park Beach Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/5/2015

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.

Existing: Tenney_Sun2013-11-01_BeachComb.dtm
Proposed: Pro_1.dtm

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	Asphalt to Concrete	Asphalt Excavate	Remove estimated 3in asphalt in existing playground	n/a	n/a	44	0.25	11	0.4	0%	0.4
1.2	Asphalt to Concrete	Gravel Excavate	Remove estimated 6in gravel base in existing playground	n/a	n/a	44	0.50	22	0.8	0%	0.8
1.3	Asphalt to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-9in	Pro-11in	44	varies	3	0.1	0%	0.1
1.4	Asphalt to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-9in	Pro-11in	44	varies	0	0.0	0%	0.0
1.5	Asphalt to Concrete	Gravel Place	Place 6in deep gravel base out to 6in from concrete edge	n/a	n/a	44	-0.50	-22	-0.8	0%	-0.8
1.6	Asphalt to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	41	-0.42	-17	-0.6	0%	-0.6
1.7	Asphalt to Concrete	Play Surface Place	Place 5in wood mulch play surface on 6in wide gravel edge	n/a	n/a	3	-0.42	-1	0.0	0%	0.0
2.1	Asphalt to Play Surface	Asphalt Excavate	Remove estimated 3in asphalt in existing playground	n/a	n/a	124	0.25	31	1.1	0%	1.1
2.2	Asphalt to Play Surface	Gravel Excavate	Remove estimated 6in gravel base in existing playground	n/a	n/a	124	0.50	62	2.3	0%	2.3
2.3	Asphalt to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-9in	Pro-12in	124	varies	15	0.5	0%	0.5
2.4	Asphalt to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-9in	Pro-12in	124	varies	0	0.0	0%	0.0
2.5	Asphalt to Play Surface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	124	-1.00	-124	-4.6	0%	-4.6
3.1	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	439	0.50	220	8.1	0%	8.1
3.2	Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-11in	439	varies	138	5.1	0%	5.1
3.3	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-11in	439	varies	0	0.0	0%	0.0
3.4	Grass to Concrete	Gravel Place	Place 6in deep gravel base out to 6in from concrete edge	n/a	n/a	439	-0.50	-220	-8.1	0%	-8.1
3.5	Grass to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	405	-0.42	-169	-6.3	0%	-6.3
3.6	Grass to Concrete	Topsoil Place	Place 5in topsoil on 6in wide gravel edge	n/a	n/a	34	-0.42	-14	-0.5	0%	-0.5
4.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	404	0.50	202	7.5	0%	7.5
4.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-11in	404	varies	3	0.1	0%	0.1
4.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-11in	404	varies	-75	-2.8	0%	-2.8
4.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	404	-0.50	-202	-7.5	0%	-7.5
5.1	Grass to Play Surface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	447	0.50	224	8.3	0%	8.3
5.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	447	varies	99	3.7	0%	3.7
5.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	447	varies	-9	-0.3	0%	-0.3
5.4	Grass to Play Surface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	447	-1.00	-447	-16.6	0%	-16.6
6.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	33	0.50	17	0.6	0%	0.6
6.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	33	varies	7	0.3	0%	0.3
6.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	33	varies	-3	-0.1	0%	-0.1
6.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Place border timbers (placeholder to balance volume comps)	n/a	n/a	33	-1.00	-33	-1.2	0%	-1.2
7.1	Play Surface to Concrete	Play Surface Excavate	Remove existing pea gravel play surface (est. 17 in depth)	n/a	n/a	34	1.42	48	1.8	0%	1.8
7.2	Play Surface to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-11in	34	varies	0	0.0	0%	0.0
7.3	Play Surface to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-11in	34	varies	-20	-0.7	0%	-0.7
7.4	Play Surface to Concrete	Gravel Place	Place 6in deep gravel base out to 6in from concrete edge	n/a	n/a	34	-0.50	-17	-0.6	0%	-0.6
7.5	Play Surface to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	28	-0.42	-12	-0.4	0%	-0.4
7.6	Play Surface to Concrete	Play Surface Place	Place 5in wood mulch play surface on 6in wide gravel edge	n/a	n/a	6	-0.42	-3	-0.1	0%	-0.1

8.1	Play Surface to Grass	Play Surface Excavate	Remove existing pea gravel play surface (est. 17 in depth)	n/a	n/a	551	1.42	781	28.9	0%	28.9
8.2	Play Surface to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-6in	551	varies	0	0.0	0%	0.0
8.3	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	551	varies	-575	-21.3	0%	-21.3
8.4	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	551	-0.50	-276	-10.2	0%	-10.2
9.1	Play Surface to Play Surface	Play Surface Excavate	Remove existing pea gravel play surface (est. 17 in depth)	n/a	n/a	2377	1.42	3367	124.7	0%	124.7
9.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	2377	varies	0	0.0	0%	0.0
9.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	2377	varies	-1471	-54.5	0%	-54.5
9.4	Play Surface to Play Surface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	2377	-1.00	-2377	-88.0	0%	-88.0
10.1	Play Surface to Timbers	Play Surface Excavate	Remove existing pea gravel play surface (est. 17 in depth)	n/a	n/a	33	1.42	47	1.7	0%	1.7
10.2	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	33	varies	0	0.0	0%	0.0
10.3	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	33	varies	-23	-0.9	0%	-0.9
10.4	Play Surface to Timbers	Border Timbers Place (placeholder volume)	Place border timbers (placeholder to balance volume comps)	n/a	n/a	33	-1.00	-33	-1.2	0%	-1.2
11.1	Adjust	Play Surface Place	Increase play surface by 1/2 of concrete ramp gravel base volume = 1/2 x (39 sq ft x 12in)	n/a	n/a	39	-0.50	-20	-0.7	0%	-0.7
11.2	Adjust	Subsoil Excavate	Increase subsoil excavate by 1/2 of concrete ramp gravel base volume = 1/2 x (39 sq ft x 12in)	n/a	n/a	39	0.50	20	0.7	0%	0.7

Tenney Park Beach Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/5/2015

Derived from more detailed spreadsheet available from Parks Div

Computation Summary

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

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Asphalt Excavate	1.6
Border Timbers Place (placeholder volume)	-2.4
Concrete Place	-7.3
Gravel Excavate	3.1
Gravel Place	-9.6
Play Surface Excavate	157.1
Play Surface Place	-110.0
Subsoil Excavate	10.5
Subsoil Place	-80.6
Topsoil Excavate	24.5
Topsoil Place	-18.2
Grand Total	-31.4

Net subsoil	-70 cu yd
Net topsoil	6 cu yd
Net topsoil & subsoil	-64 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	40	CY	= Asphalt Excavate + Gravel Excavate + Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	157	CY	= Play Surface Excavate
20201 Fill	-70	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	109	SY	= (Topsoil Place) - 167
90004 Playground Surfacing - Wood Mulch	121	CY	= Play Surface Place * -1.10

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play
MADISON PARKS

PROJECT:
2015 PLAYGROUND IMPROVEMENTS - GROUP 2

TENNEY PARK
1414 E JOHNSON ST
MADISON, WI 53703

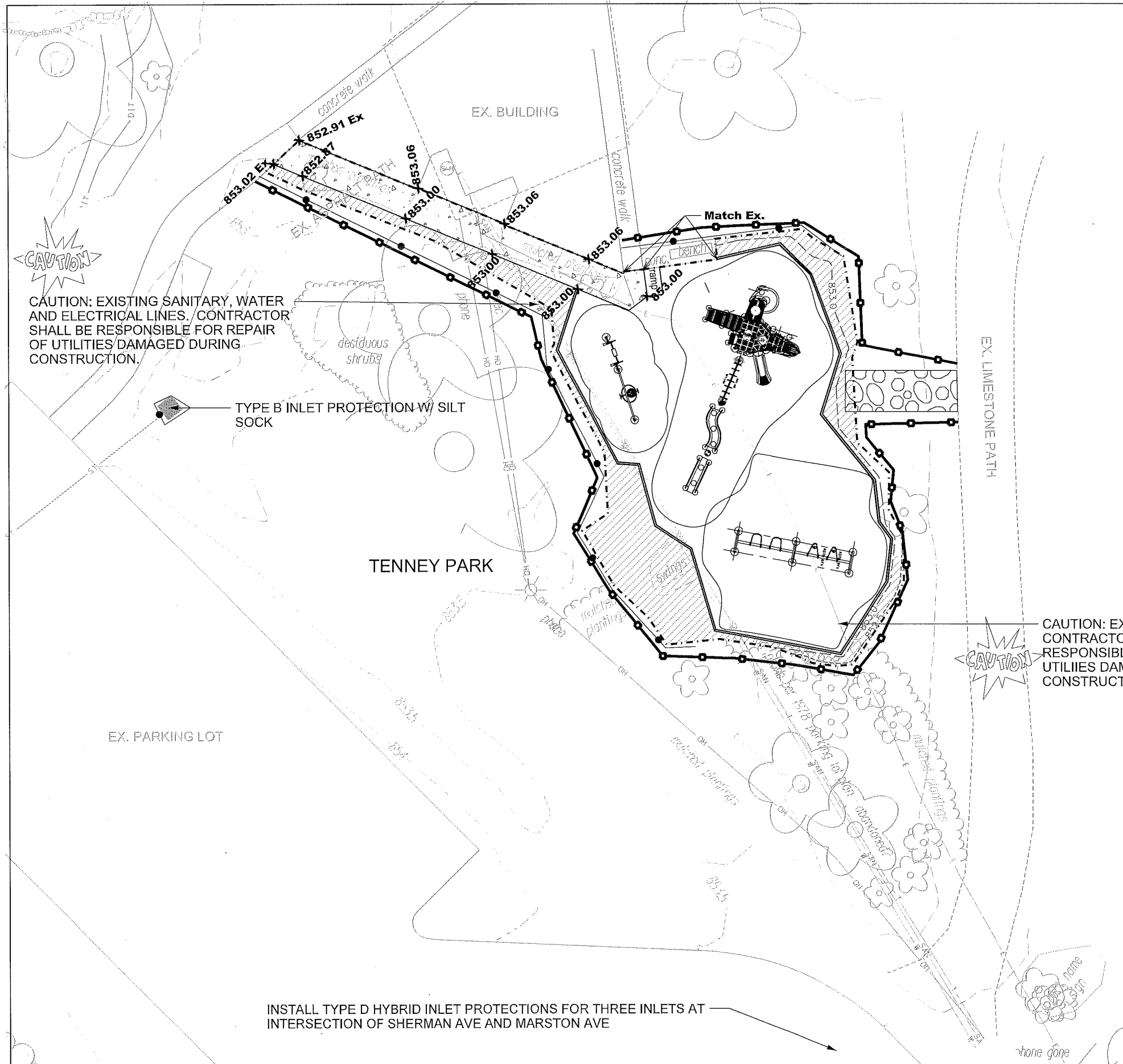
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
Drawn by: SCL 03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DESIGN CALCULATIONS

SHEET NUMBER:
7.5



CAUTION: EXISTING SANITARY, WATER AND ELECTRICAL LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UTILITIES DAMAGED DURING CONSTRUCTION.

TYPE B INLET PROTECTION W/ SILT SOCK

CAUTION: EXISTING ELECTRICAL LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UTILITIES DAMAGED DURING CONSTRUCTION.

INSTALL TYPE D HYBRID INLET PROTECTIONS FOR THREE INLETS AT INTERSECTION OF SHERMAN AVE AND MARSTON AVE

LEGEND

- PRO. SPOT EL.
- PRO. CONCRETE
- PRO. WOOD MULCH
- PRO. EROSION MATTING
- PRO. CONSTRUCTION ENTRANCE
- PRO. GRADING LIMITS
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER.)
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

NOTES

- 1.) PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND SUBGRADE PER DETAIL 8.2.
- 2.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.

EDGE OF PLAYGROUND BORDER TIMBERS: 853.17
 ELEVATION OF FINISHED PLAYGROUND SURFACE: 853.00
 PLAYGROUND SUBGRADE ELEVATION: 852.00
 CONCRETE AT PLAYGROUND ELEVATION: 853.00

**City of Madison
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PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**TENNEY PARK
 1414 E JOHNSON ST
 MADISON, WI 53703**

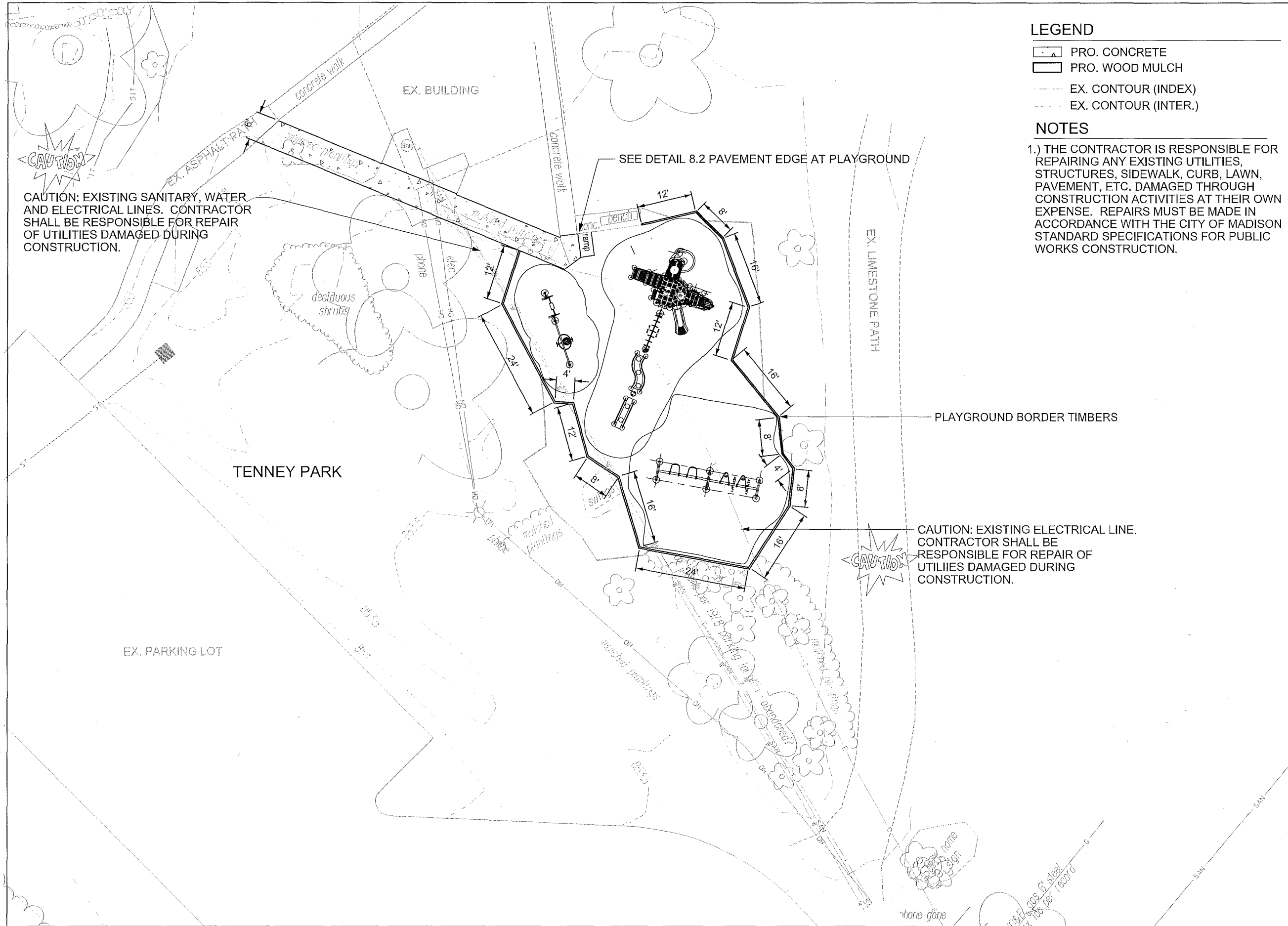
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
7.4



LEGEND

- PRO. CONCRETE
- PRO. WOOD MULCH
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

NOTES

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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play
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Graphical Scale
 0 20 ft

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**TENNEY PARK
 1414 E JOHNSON ST
 MADISON, WI 53703**

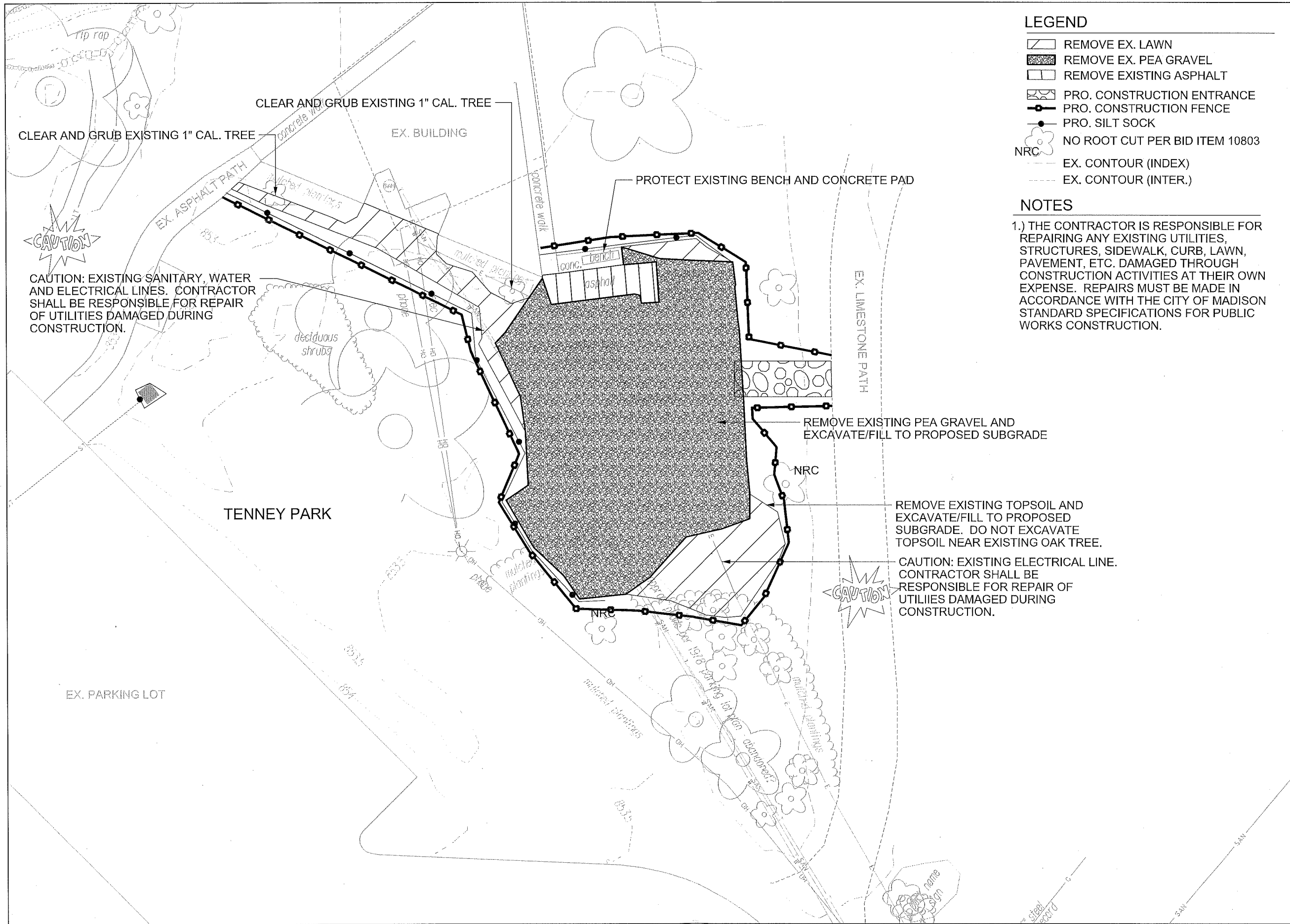
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
7.3



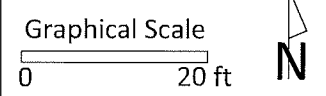
LEGEND

- REMOVE EX. LAWN
- REMOVE EX. PEA GRAVEL
- REMOVE EXISTING ASPHALT
- PRO. CONSTRUCTION ENTRANCE
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- NO ROOT CUT PER BID ITEM 10803
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

NOTES

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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PROJECT:
2015
PLAYGROUND
IMPROVEMENTS
- GROUP 2

TENNEY PARK
1414 E JOHNSON ST
MADISON, WI 53703

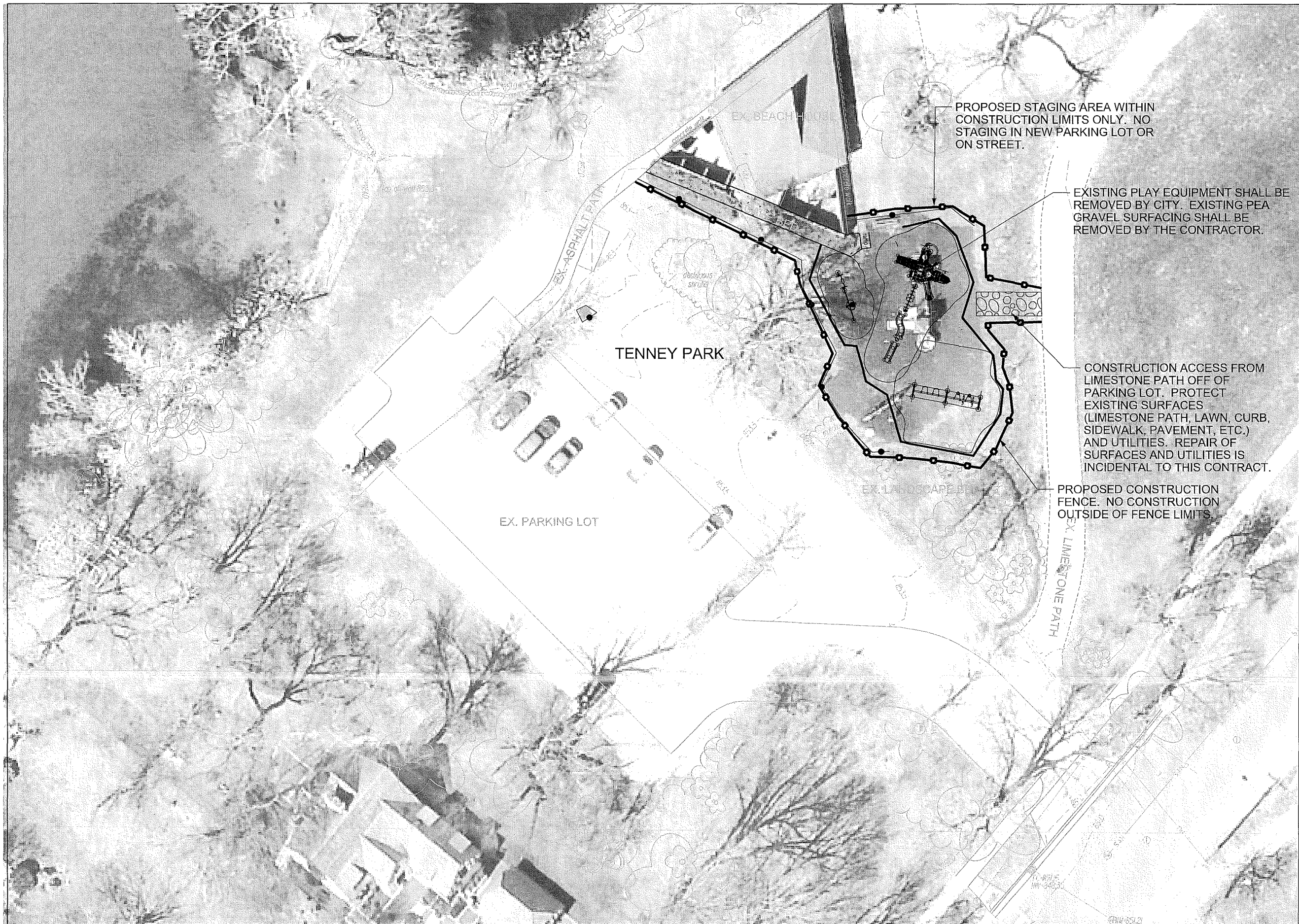
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

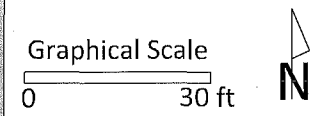
SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
7.2



City of Madison
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PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**TENNEY PARK
 1414 E JOHNSON ST
 MADISON, WI 53703**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
7.1

Sunridge Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 1/29/2015

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.

Existing Sunridge_Survey2014-08-28.dtm
Proposed Pro_1.dtm

Sunridge Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 1/29/2015

Derived from more detailed spreadsheet available from Parks Div

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

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Asphalt Place	-1.2
Border Timbers Place (placeholder volume)	-2.3
Gravel (Path) Place	-4.3
Play Surface Excavate	171.1
Play Surface Place	-89.0
Subsoil Excavate	21.4
Subsoil Place	-55.4
Topsoil Excavate	29.0
Topsoil Place	-26.3
Grand Total	42.9

Net subsoil	-34 cu yd
Net topsoil	3 cu yd
Net topsoil & subsoil	-31 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	50	CY	= Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	171	CY	= Play Surface Excavate
20201 Fill	-34	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	158	SY	= (Topsoil Place) - .167
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	9	tons	= (Gravel Place) * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	2.7	tons	= Asphalt Place * -2.16 ton/cubic yard
90003 Playground Surfacing - Rubber Mulch	98	CY	= Play Surface Place * -1.10

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 Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	156	0.50	78	2.9	0%	2.9
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	156	varies	70	2.8	0%	2.6
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	156	varies	0	0.0	0%	0.0
1.4	Grass to Asphalt	Gravel (Path) Place	Place 9in depth gravel base out to 6in from pavement edge	n/a	n/a	156	-0.75	-117	-4.3	0%	-4.3
1.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt (includes ramp into playground)	n/a	n/a	134	-0.25	-34	-1.2	0%	-1.2
1.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	22	-0.25	-6	-0.2	0%	-0.2
2.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	250	0.50	125	4.6	0%	4.6
2.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	250	varies	20	0.7	0%	0.7
2.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	250	varies	-14	-0.5	0%	-0.5
2.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	250	-0.50	-125	-4.6	0%	-4.6
3.1	Grass to Play Surface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1112	0.50	556	20.6	0%	20.6
3.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-7in	1112	varies	455	16.8	0%	16.8
3.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-7in	1112	varies	-3	-0.1	0%	-0.1
3.4	Grass to Play Surface	Play Surface Place	Place 9in uncompacted rubber chips (expected to compact to 7in)	n/a	n/a	1112	-0.58	-649	-24.0	29%	-30.9
4.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	47	0.50	24	0.9	0%	0.9
4.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	47	varies	27	1.0	0%	1.0
4.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	47	varies	0	0.0	0%	0.0
4.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Border Timbers (placeholder volume to balance volume comps)	n/a	n/a	47	-1.00	-47	-1.7	0%	-1.7
5.1	Play Surface to Grass	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	1160	1.42	1643	60.9	0%	60.9
5.2	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	1160	varies	-1022	-37.9	0%	-37.9
5.3	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1160	-0.50	-580	-21.5	0%	-21.5
6.1	Play Surface to Play Surface	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	2085	1.42	2954	109.4	0%	109.4
6.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-7in	2085	varies	0	0.0	0%	0.0
6.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-7in	2085	varies	-456	-16.9	0%	-16.9
6.4	Play Surface to Play Surface	Play Surface Place	Place 9in uncompacted rubber chips (expected to compact to 7in)	n/a	n/a	2085	-0.58	-1216	-45.0	29%	-57.9
7.1	Play Surface to Timbers	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	16	1.42	23	0.8	0%	0.8
7.2	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	16	varies	1	0.0	0%	0.0
7.3	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	16	varies	-1	0.0	0%	0.0
7.4	Play Surface to Timbers	Border Timbers Place (placeholder volume)	Place border timbers (12in tall). Placeholder volume to balance volume comps	n/a	n/a	16	-1.00	-16	-0.6	0%	-0.6
8.1	Adjust	Play Surface Place	Increase play surface by 1/2 of asphalt ramp gravel base volume = 1/2 x (2.25 ft x 9 ft x 7 in)	n/a	n/a	20	-0.29	-6	-0.2	0%	-0.2
8.2	Adjust	Subsoil Excavate	Increase subsoil excavate by 1/2 of asphalt ramp gravel base volume = 1/2 x (2.25 ft x 9 ft x 7 in)	n/a	n/a	20	0.29	6	0.2	0%	0.2

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play
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PROJECT:
2015 PLAYGROUND IMPROVEMENTS - GROUP 2

**SUNRIDGE PARK
5901 PIPING ROCK RD.
MADISON, WI 53711**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
Drawn by: SCL 03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DESIGN CALCULATIONS

SHEET NUMBER:
6.5

EDGE OF PLAYGROUND BORDER TIMBERS: ~1015.97 (SEE SPOT ELEVATIONS)
 ELEVATION OF FINISHED PLAYGROUND SURFACE: 1015.81 (ASSUMES 2" OF COMPACTION.
 CONTRACTOR SHALL INSTALL RUBBER MULCH TO TOP OF PLAYGROUND BORDER TIMBERS)
 PLAYGROUND SUBGRADE ELEVATION: 1015.23
 ASPHALT AT PLAYGROUND ELEVATION: 1015.81

PIPING ROCK RD

PROTECT (3) INLETS WITH TYPE D HYBRID INLET PROTECTION AT CORNER OF PIPING ROCK ROAD AND MANHASSET PL



CAUTION: EXISTING SANITARY LINE.
 CONTRACTOR SHALL BE RESPONSIBLE FOR
 REPAIR OF UTILITIES DAMAGED DURING
 CONSTRUCTION.

LEGEND

- PRO. SPOT EL.
- PRO. ASPHALT
- PRO. RUBBER MULCH
- PRO. EROSION MATTING
- PRO. CONSTRUCTION ENTRANCE
- PRO. GRADING LIMITS
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER)
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. APPROXIMATE PROPERTY LINE

NOTES

- 1.) PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND SUBGRADE PER DETAIL 8.2.
- 2.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.

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Graphical Scale
 0 20 ft N

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**SUNRIDGE PARK
 5901 PIPING ROCK RD.
 MADISON, WI 53711**

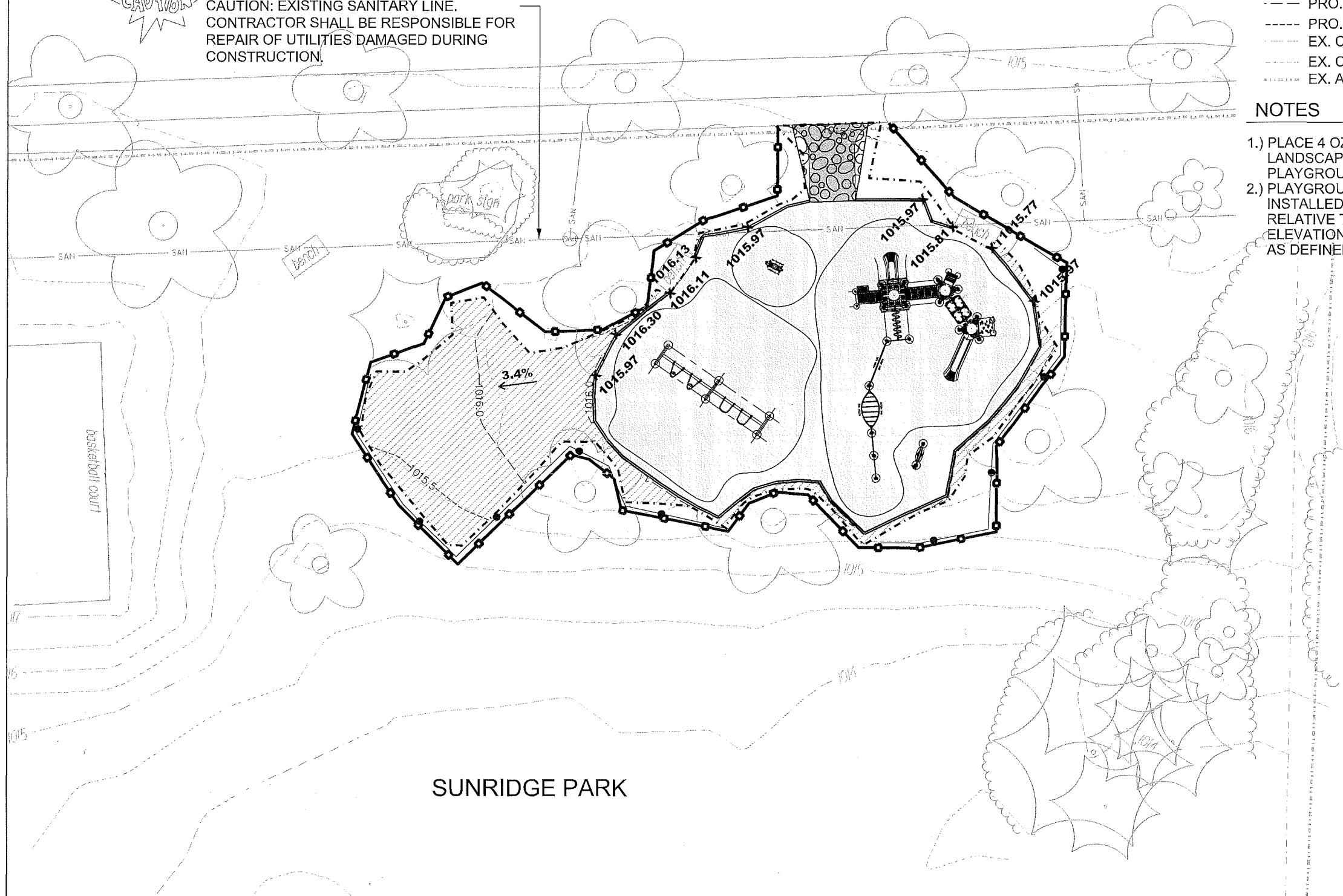
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ITEM	DATE
Drawn by: SCL	03-06-2015

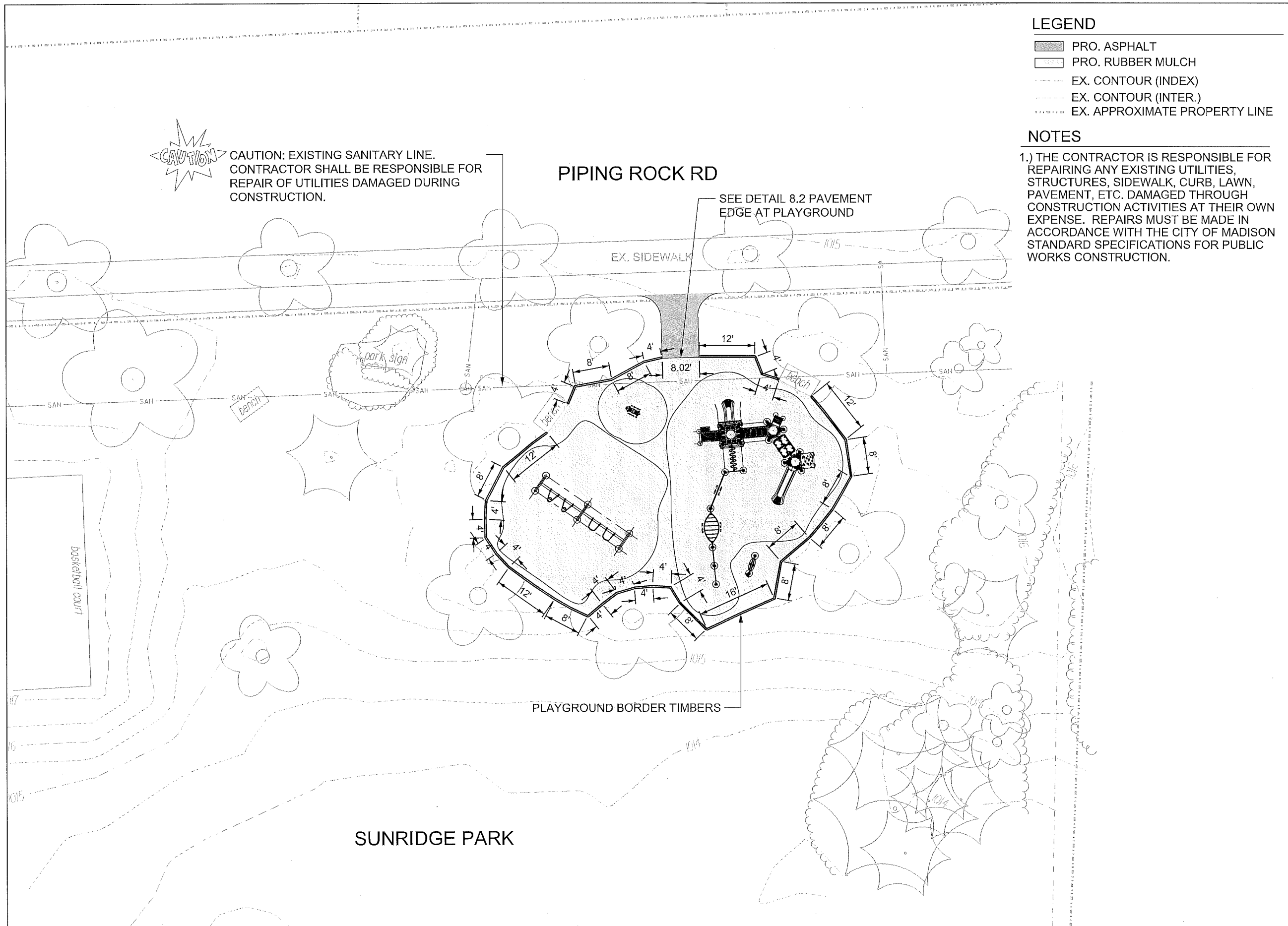
PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
6.4



SUNRIDGE PARK



CAUTION CAUTION: EXISTING SANITARY LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UTILITIES DAMAGED DURING CONSTRUCTION.

PIPING ROCK RD

SEE DETAIL 8.2 PAVEMENT EDGE AT PLAYGROUND

EX. SIDEWALK

PLAYGROUND BORDER TIMBERS

SUNRIDGE PARK

LEGEND

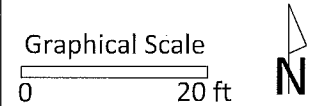
- PRO. ASPHALT
- PRO. RUBBER MULCH
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- EX. APPROXIMATE PROPERTY LINE

NOTES

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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 Department of Public Works
PARKS DIVISION
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 PO Box 2987
 Madison, WI 53701-2987

play
MADISON PARKS



PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**SUNRIDGE PARK
 5901 PIPING ROCK RD.
 MADISON, WI 53711**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: SCL	03-06-2015

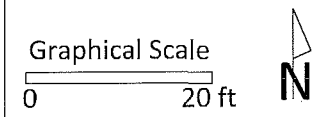
PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
6.3

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 PARKS**



PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**SUNRIDGE PARK
 5901 PIPING ROCK RD.
 MADISON, WI 53711**

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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

SHEET NUMBER:
6.2

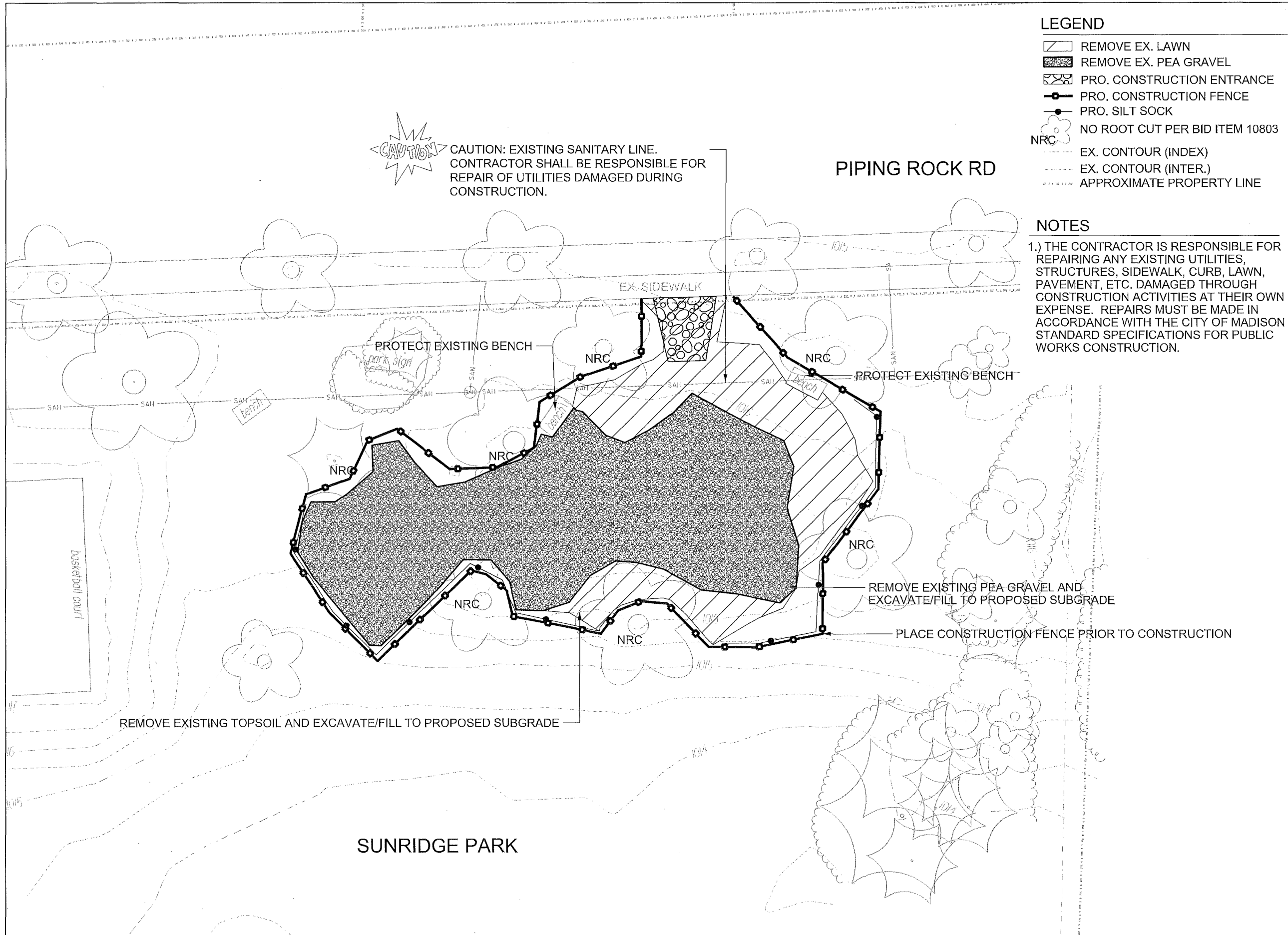
LEGEND

- REMOVE EX. LAWN
- REMOVE EX. PEA GRAVEL
- PRO. CONSTRUCTION ENTRANCE
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- NO ROOT CUT PER BID ITEM 10803
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- APPROXIMATE PROPERTY LINE

NOTES


1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

CAUTION CAUTION: EXISTING SANITARY LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF UTILITIES DAMAGED DURING CONSTRUCTION.



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play
**MADISON
 PARKS**

Graphical Scale
 0 30 ft 

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**SUNRIDGE PARK
 5901 PIPING ROCK RD.
 MADISON, WI 53711**

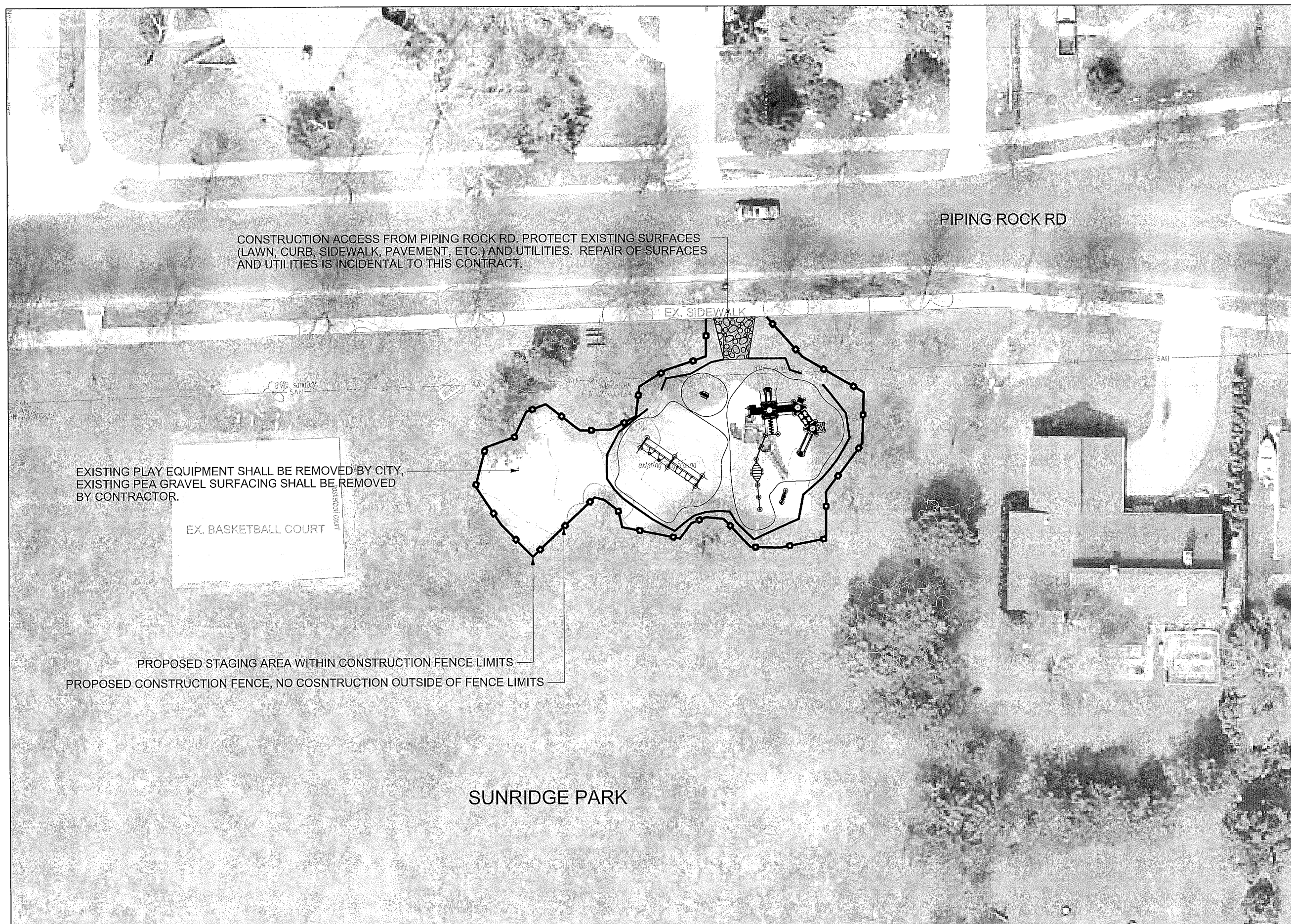
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
6.1



CONSTRUCTION ACCESS FROM PIPING ROCK RD. PROTECT EXISTING SURFACES (LAWN, CURB, SIDEWALK, PAVEMENT, ETC.) AND UTILITIES. REPAIR OF SURFACES AND UTILITIES IS INCIDENTAL TO THIS CONTRACT.

EXISTING PLAY EQUIPMENT SHALL BE REMOVED BY CITY, EXISTING PEA GRAVEL SURFACING SHALL BE REMOVED BY CONTRACTOR.

EX. BASKETBALL COURT

PROPOSED STAGING AREA WITHIN CONSTRUCTION FENCE LIMITS
 PROPOSED CONSTRUCTION FENCE, NO CONSTRUCTION OUTSIDE OF FENCE LIMITS

SUNRIDGE PARK

Junction Ridge Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/5/2015

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.

Existing Demetral_Survey2014-10-23_PlayComb.dtm
Proposed Pro_1.dtm

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	Concrete to Grass	Concrete Excavate	Remove existing concrete bench pad (assumed 5in depth)	n/a	n/a	57	0.42	24	0.9	0%	0.9
1.2	Concrete to Grass	Gravel Excavate	Remove existing gravel base (assumed 6in depth)	n/a	n/a	57	0.50	29	1.1	0%	1.1
1.3	Concrete to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-6in	57	varies	0	0.0	0%	0.0
1.4	Concrete to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-6in	57	varies	-20	-0.7	0%	-0.7
1.5	Concrete to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	57	-0.50	-29	-1.1	0%	-1.1
2.1	Concrete to Play Surface	Concrete Excavate	Remove existing concrete bench pad (assumed 5in depth)	n/a	n/a	4	0.42	2	0.1	0%	0.1
2.2	Concrete to Play Surface	Gravel Excavate	Remove existing gravel base (assumed 6in depth)	n/a	n/a	4	0.50	2	0.1	0%	0.1
2.3	Concrete to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-12in	4	varies	1	0.0	0%	0.0
2.4	Concrete to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-12in	4	varies	0	0.0	0%	0.0
2.5	Concrete to Play Surface	Play Surface Place	Place 12in wood chips	n/a	n/a	4	-1.00	-4	-0.1	0%	-0.1
3.1	Concrete to Timbers	Concrete Excavate	Remove existing concrete bench pad (assumed 5in depth)	n/a	n/a	2	0.42	1	0.0	0%	0.0
3.2	Concrete to Timbers	Gravel Excavate	Remove existing gravel base (assumed 6in depth)	n/a	n/a	2	0.50	1	0.0	0%	0.0
3.3	Concrete to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-11in	Pro-12in	2	varies	0	0.0	0%	0.0
3.4	Concrete to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-11in	Pro-12in	2	varies	0	0.0	0%	0.0
3.5	Concrete to Timbers	Topsoil Place	Place 6in topsoil	n/a	n/a	2	-0.50	-1	0.0	0%	0.0
4.1	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	59	0.50	30	1.1	0%	1.1
4.2	Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-11in	59	varies	25	0.9	0%	0.9
4.3	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-11in	59	varies	0	0.0	0%	0.0
4.4	Grass to Concrete	Gravel Place	Place 6in gravel base out 6in from pavement edge	n/a	n/a	59	-0.50	-30	-1.1	0%	-1.1
4.5	Grass to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	49	-0.42	-20	-0.8	0%	-0.8
4.6	Grass to Concrete	Topsoil Place	Place 5in topsoil around 6in wide gravel edge	n/a	n/a	10	-0.42	-4	-0.2	0%	-0.2
5.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	300	0.50	150	5.6	0%	5.6
5.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	300	varies	1	0.0	0%	0.0
5.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	300	varies	-78	-2.9	0%	-2.9
5.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	300	-0.50	-150	-5.6	0%	-5.6
6.1	Grass to Play Surface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	883	0.50	442	16.4	0%	16.4
6.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	883	varies	125	4.6	0%	4.6
6.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	883	varies	-24	-0.9	0%	-0.9
6.4	Grass to Play Surface	Play Surface Place	Place 12in wood mulch	n/a	n/a	883	-1.00	-883	-32.7	0%	-32.7

7.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	38	0.50	19	0.7	0%	0.7
7.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	38	varies	6	0.2	0%	0.2
7.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	38	varies	-5	-0.2	0%	-0.2
7.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Border Timbers (placeholder volume to balance volume comps)	n/a	n/a	38	-1.00	-38	-1.4	0%	-1.4
8.1	Play Surface to Concrete	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	45	1.42	64	2.4	0%	2.4
8.2	Play Surface to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-11in	45	varies	-58	-2.1	0%	-2.1
8.3	Play Surface to Concrete	Gravel Place	Place 6in gravel base out 6in from pavement edge	n/a	n/a	45	-0.50	-23	-0.8	0%	-0.8
8.4	Play Surface to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	32	-0.42	-13	-0.5	0%	-0.5
8.5	Play Surface to Concrete	Topsoil Place	Place 5in topsoil around 6in wide gravel edge	n/a	n/a	13	-0.42	-5	-0.2	0%	-0.2
9.1	Play Surface to Grass	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	1331	1.42	1986	69.8	0%	69.8
9.2	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	1331	varies	-1603	-59.4	0%	-59.4
9.3	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1331	-0.50	-666	-24.6	0%	-24.6
10.1	Play Surface to Play Surface	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	1601	1.42	2268	84.0	0%	84.0
10.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	1601	varies	0	0.0	0%	0.0
10.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	1601	varies	-1456	-53.9	0%	-53.9
10.4	Play Surface to Play Surface	Play Surface Place	Place 12in wood mulch	n/a	n/a	1601	-1.00	-1601	-59.3	0%	-59.3
11.1	Play Surface to Timbers	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	25	1.42	35	1.3	0%	1.3
11.2	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	25	varies	0	0.0	0%	0.0
11.3	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	25	varies	-28	-1.0	0%	-1.0
11.4	Play Surface to Timbers	Border Timbers Place (placeholder volume)	Place border timbers (12in tall). Placeholder volume to balance volume comps	n/a	n/a	25	-1.00	-25	-0.9	0%	-0.9

Junction Ridge Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/5/2015

Derived from more detailed spreadsheet available from Parks Div

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

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Border Timbers Place (placeholder volume)	-2.3
Concrete Excavate	1.0
Concrete Place	-1.3
Gravel Excavate	1.2
Gravel Place	-1.9
Play Surface Excavate	157.5
Play Surface Place	-92.1
Subsoil Excavate	5.8
Subsoil Place	-121.2
Topsoil Excavate	23.7
Topsoil Place	-31.7
Grand Total	-61.3

Net subsoil	-115 cu yd
Net topsoil	-8 cu yd
Net topsoil & subsoil	-123 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	32	CY	= Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	158	CY	= Play Surface Excavate
20201 Fill	115	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	190	SY	= (Topsoil Place) * -1.167
90004 Playground Surfacing - Wood Mulch	101	CY	= Play Surface Place * -1.10

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Department of Public Works
PARKS DIVISION

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play
MADISON PARKS

PROJECT:

**2015
PLAYGROUND
IMPROVEMENTS
- GROUP 2**

**JUNCTION RIDGE PARK
8502 ELDERBERRY RD
MADISON, WI 53717**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
Drawn by: SCL 03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:

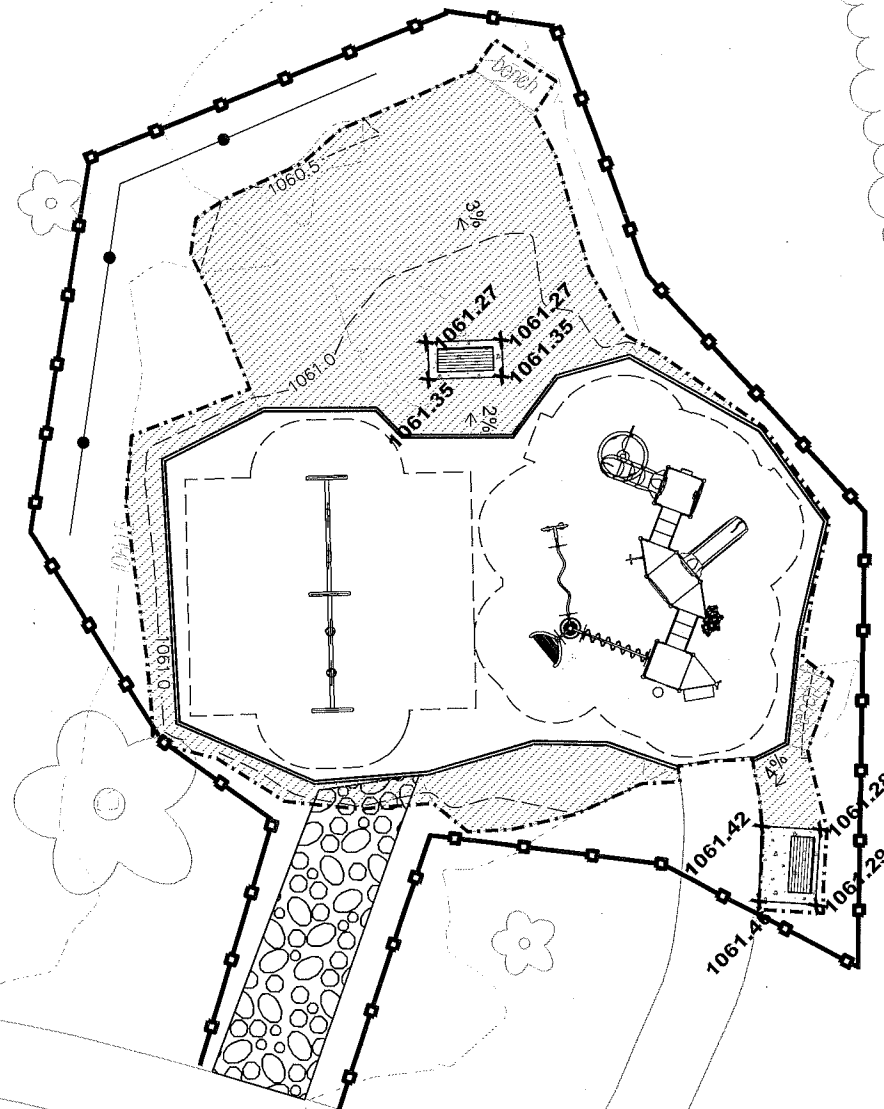
**DESIGN
CALCULATIONS**

SHEET NUMBER:

5.5

EDGE OF PLAYGROUND BORDER TIMBERS: 1061.46
 ELEVATION OF FINISHED PLAYGROUND SURFACE: 1061.29
 PLAYGROUND SUBGRADE ELEVATION: 1060.29

JUNCTION RIDGE PARK



LEGEND

- ####+ PRO. SPOT EL.
- PRO. ASPHALT
- ▨ PRO. WOOD MULCH
- PRO. CONCRETE
- ▨ PRO. EROSION MATTING
- PRO. CONSTRUCTION ENTRANCE
- - - - PRO. GRADING LIMITS
- — — — PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- - - - PRO. CONTOUR (INDEX)
- - - - PRO. CONTOUR (INTER.)
- - - - EX. CONTOUR (INDEX)
- - - - EX. CONTOUR (INTER.)

NOTES

- 1.) PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND SUBGRADE PER DETAIL 8.2.
- 2.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.

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PARKS DIVISION

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play
**MADISON
 PARKS**

Graphical Scale
 0 20 ft



PROJECT:
 2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2

JUNCTION RIDGE PARK
 8502 ELDERBERRY RD
 MADISON, WI 53717

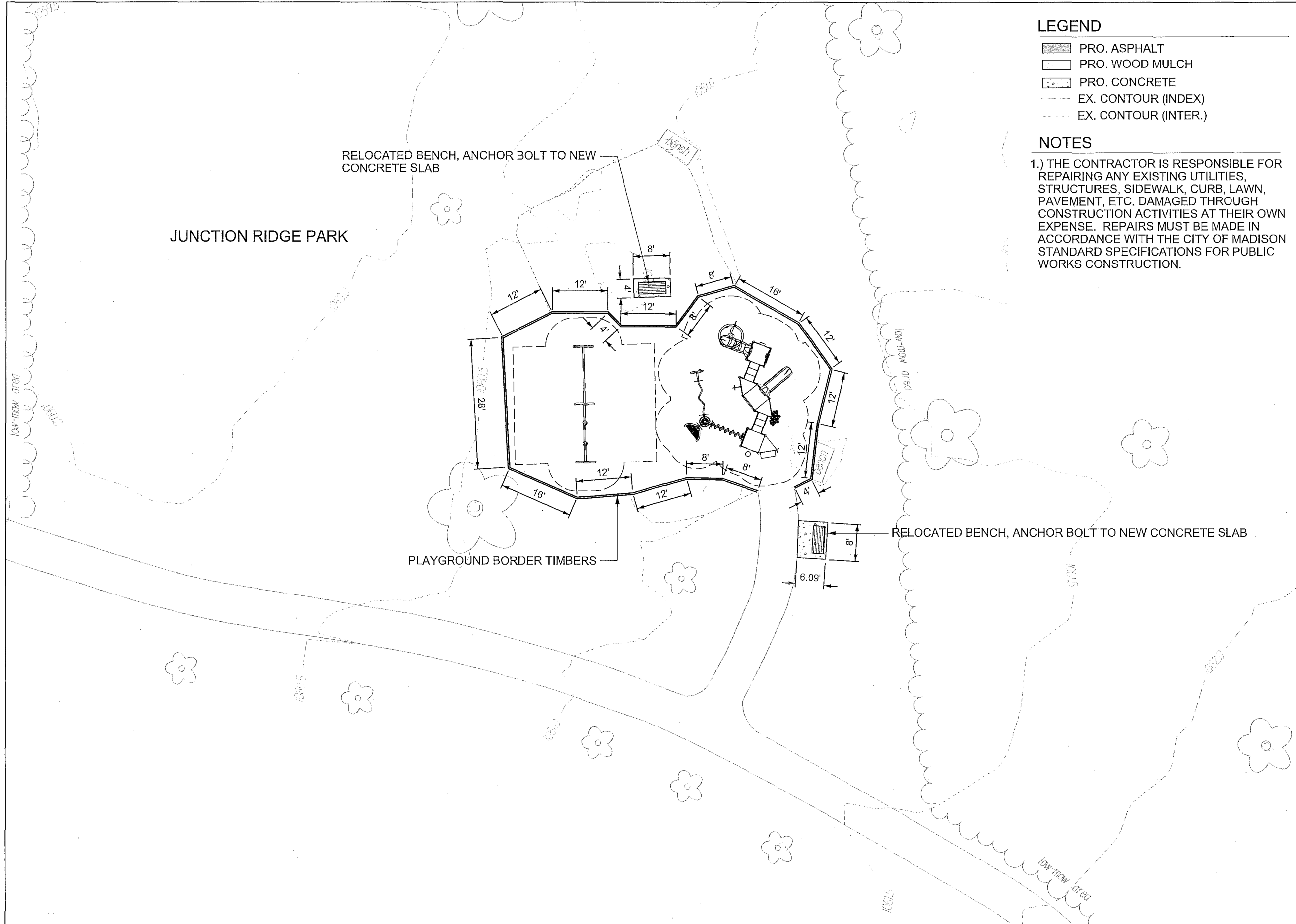
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
 7493

SHEET TITLE:
 GRADING AND
 EROSION CONTROL
 PLAN

SHEET NUMBER:
5.4



LEGEND

- PRO. ASPHALT
- PRO. WOOD MULCH
- PRO. CONCRETE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

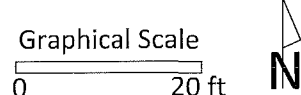
NOTES

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PROJECT:
 2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2

JUNCTION RIDGE PARK
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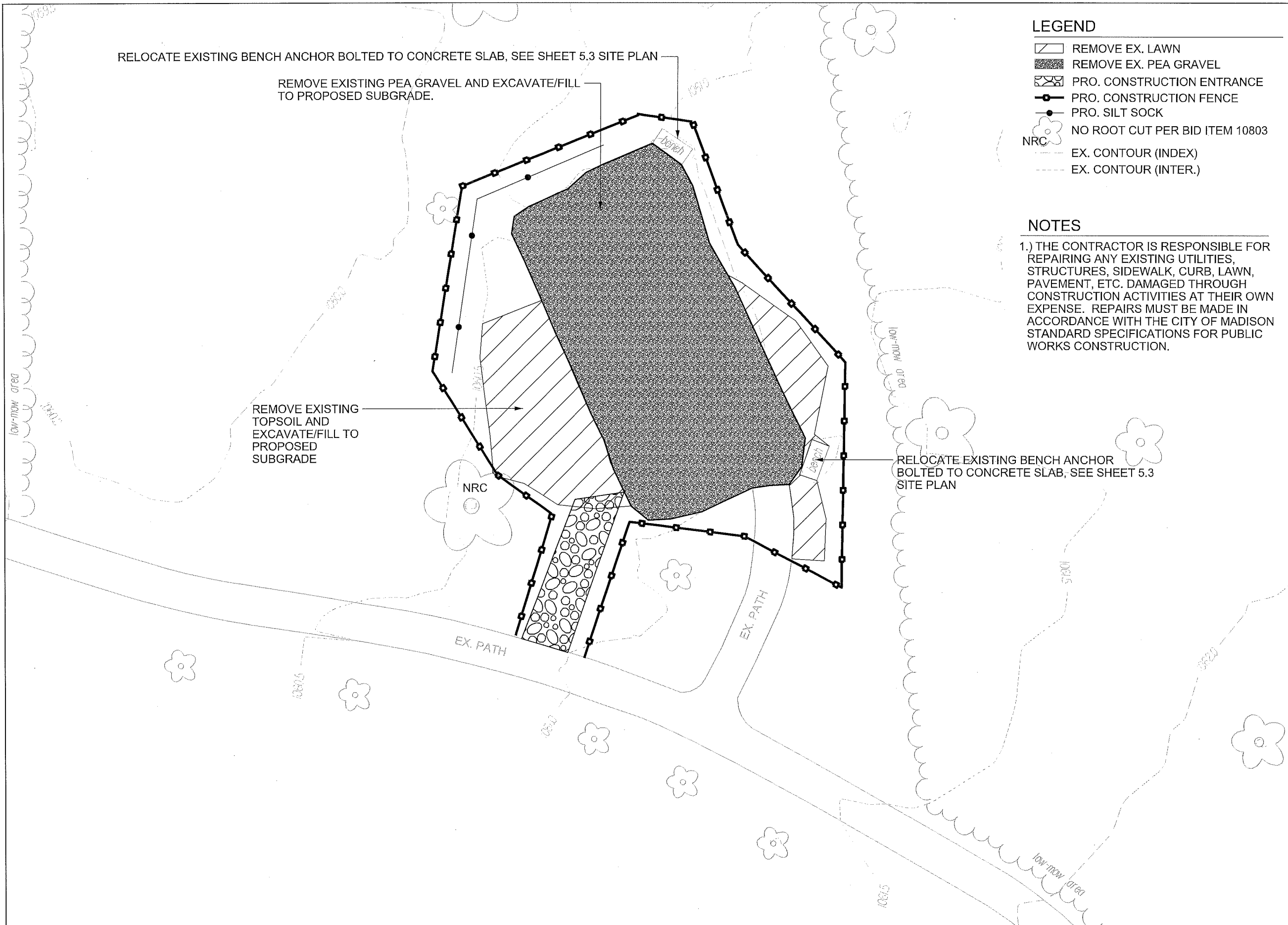
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
5.3



LEGEND

- REMOVE EX. LAWN
- REMOVE EX. PEA GRAVEL
- PRO. CONSTRUCTION ENTRANCE
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- NO ROOT CUT PER BID ITEM 10803
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

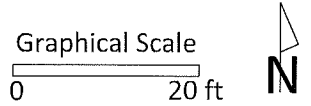
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MADISON
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PROJECT:
2015
PLAYGROUND
IMPROVEMENTS
 - GROUP 2

JUNCTION RIDGE PARK
 8502 ELDERBERRY RD
 MADISON, WI 53717

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ITEM	DATE
Drawn by: SCL	03-06-2015


PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
5.2

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 Department of Public Works
PARKS DIVISION
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play
**MADISON
 PARKS**

Graphical Scale
 0 30 ft 

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**JUNCTION RIDGE PARK
 8502 ELDERBERRY RD
 MADISON, WI 53717**

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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
5.1

EXISTING PLAY EQUIPMENT SHALL BE REMOVED BY CITY.
 EXISTING PEA GRAVEL SURFACING SHALL BE REMOVED BY CONTRACTOR.

PROPOSED CONSTRUCTION FENCE. NO CONSTRUCTION OUTSIDE OF FENCE LIMITS.

PROPOSED STAGING AREA WITHIN CONSTRUCTION FENCE LIMITS

JUNCTION RIDGE PARK

EX. PATH

EX. PATH

CONSTRUCTION ACCESS FROM JUNCTION RIDGE PARK PATH VIA AUGUSTA DRIVE. PROTECT EXISTING SURFACES (LAWN, CURB, SIDEWALK, PAVEMENT, ETC.) AND UTILITIES. REPAIR OF SURFACES AND UTILITIES IS INCIDENTAL TO THIS CONTRACT.

Demetral Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/2/2015

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.

Existing Demetral_Survey2014-10-23_PlayComb.dtm
Proposed Pro_1.dtm

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 6in topsoil	n/a	n/a	34	0.50	17	0.6	0%	0.6
1.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	34	varies	0	0.0	0%	0.0
1.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	34	varies	-4	-0.1	0%	-0.1
1.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	34	-0.50	-17	-0.6	0%	-0.6
3.1	Grass to Play Surface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	6	0.50	3	0.1	0%	0.1
3.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	6	varies	3	0.1	0%	0.1
3.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	6	varies	0	0.0	0%	0.0
3.4	Grass to Play Surface	Play Surface Place	Place 12in wood mulch	n/a	n/a	6	-1.00	-6	-0.2	0%	-0.2
4.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	4	0.50	2	0.1	0%	0.1
4.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	4	varies	2	0.1	0%	0.1
4.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	4	varies	0	0.0	0%	0.0
4.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Border Timbers (placeholder volume to balance volume comps)	n/a	n/a	4	-1.00	-4	-0.1	0%	-0.1
5.1	Play Surface to Grass	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	6448	1.42	9135	338.3	0%	338.3
5.2	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	6448	varies	-8301	-307.4	0%	-307.4
5.3	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	6448	-0.50	-3224	-119.4	0%	-119.4
6.1	Play Surface to Play Surface	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	3733	1.42	5288	195.9	0%	195.9
6.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	3733	varies	0	0.0	0%	0.0
6.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	3733	varies	-3679	-136.3	0%	-136.3
6.4	Play Surface to Play Surface	Play Surface Place	Place 12in wood mulch	n/a	n/a	3733	-1.00	-3733	-138.3	0%	-138.3
7.1	Play Surface to Timbers	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	89	1.42	126	4.7	0%	4.7
7.2	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	89	varies	0	0.0	0%	0.0
7.3	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	89	varies	-102	-3.8	0%	-3.8
7.4	Play Surface to Timbers	Border Timbers Place (placeholder volume)	Place border timbers (12in tall). Placeholder volume to balance volume comps	n/a	n/a	89	-1.00	-89	-3.3	0%	-3.3
8.1	Adjust	Subsoil Excavate	Drain tile - approx 300 ft x 1ft wide x average 2 ft deep	n/a	n/a	300	2.00	600	22.2	0%	22.2
8.2	Adjust	Drain Tile Stone Place	Drain tile stone - approx 230 ft x 1ft wide x average 2 ft deep (approx - includes volume of pipe itself)	n/a	n/a	230	-2.00	-460	-17.0	0%	-17.0
8.3	Adjust	Subsoil Place	Drain Tile subsoil replacement outside playground - approx 70 ft x 1ft wide x average 2 ft deep (approx - includes volume of pipe itself)	n/a	n/a	70	-2.00	-140	-5.2	0%	-5.2

Demetral Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/2/2015

Derived from more detailed spreadsheet available from Parks Div

Computation Summary

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

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Border Timbers Place (placeholder volume)	-3.4
Drain Tile Stone Place	-17.0
Play Surface Excavate	538.9
Play Surface Place	-138.5
Subsoil Excavate	22.4
Subsoil Place	-452.8
Topsoil Excavate	0.8
Topsoil Place	-120.0
Grand Total	-169.7

Net subsoil	-430 cu yd
Net topsoil	-119 cu yd
Net topsoil & subsoil	-550 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	23	CY	= Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	539	CY	= Play Surface Excavate
20201 Fill	-430	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	719	SY	= (Topsoil Place)-.167
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	0	tons	= (Gravel Place) * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	0.0	tons	= Asphalt Place * -2.16 ton/cubic yard
90003 Playground Surfacing - Wood Mulch	152	CY	= Play Surface Place * -1.10

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:

2015 PARK PLAYGROUNDS - GROUP 2

*DEMETRAL PARK
601 N. SIXTH ST.
MADISON, WI 53704*

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
Drawn by: SCL 03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DESIGN CALCULATIONS

SHEET NUMBER:

4.5

Drain Tile Lengths & Slopes
from intersection to intersection

From	To	Length (ft)	Slope (%)
A	B	5.86	-4.2
B	C	2.88	-1.39
C	D	13.21	-1.51
D	E	1	-1
E	F	11.35	-1
F	G	2.22	-1
G	N	39.49	-1.5
N	O	26.91	-2
H	B	35.6	-0.1
K	C	28.13	-1
I	D	33.25	-1.46
L	E	22.23	-2.23
J	F	38.3	-1.58
M	G	32.77	-1.91

Drain Tile Invert (Flowline) Elevations

Point	Invert (ft)	Distance from top of timbers 859.04 (INCHES)
A	857.29	21.05
B	857.04	24.00
C	857.00	24.48
D	856.80	26.88
E	856.79	27.00
F	856.68	28.32
G	856.66	28.56
H	857.29	21.05
I	857.29	21.05
J	857.29	21.00
K	857.29	21.05
L	857.29	21.00
M	857.29	21.00
N	856.06	35.76
O	855.53	42.12

EXISTING PATH AT ~ 858.45 AT PLAYGROUND. PATH SHALL BE RECONSTRUCTED BY OTHERS.

CAUTION

EX. SHELTER

EDGE OF PLAYGROUND BORDER TIMBERS: 859.04
ELEVATION OF FINISHED PLAYGROUND SURFACE: 858.87
PLAYGROUND SUBGRADE ELEVATION: 857.87

CAUTION EXISTING SANITARY LINE, CONTRACTOR WILL BE REQUIRED TO REPAIR DAMAGED UTILITIES

LEGEND

- PRO. SPOT EL.
- PRO. WOOD MULCH
- PRO. EROSION MATTING
- PRO. CONSTRUCTION ENTRANCE
- PRO. GRADING EXTENTS
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- PRO. DRAIN TILE
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER.)
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

- NOTES**
- PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND SUBGRADE PER DETAIL 8.2.
 - PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.
 - THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG AT (608) 267-9408, PRIOR TO EACH CONSTRUCTION DAY AT DEMETRAL PARK.

City of Madison
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PARKS DIVISION
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PO Box 2987
Madison, WI 53701-2987

play
MADISON PARKS

Graphical Scale
0 20 ft

PROJECT:
2015 PARK PLAYGROUNDS - GROUP 2

DEMETRAL PARK
601 N. SIXTH ST.
MADISON, WI 53704

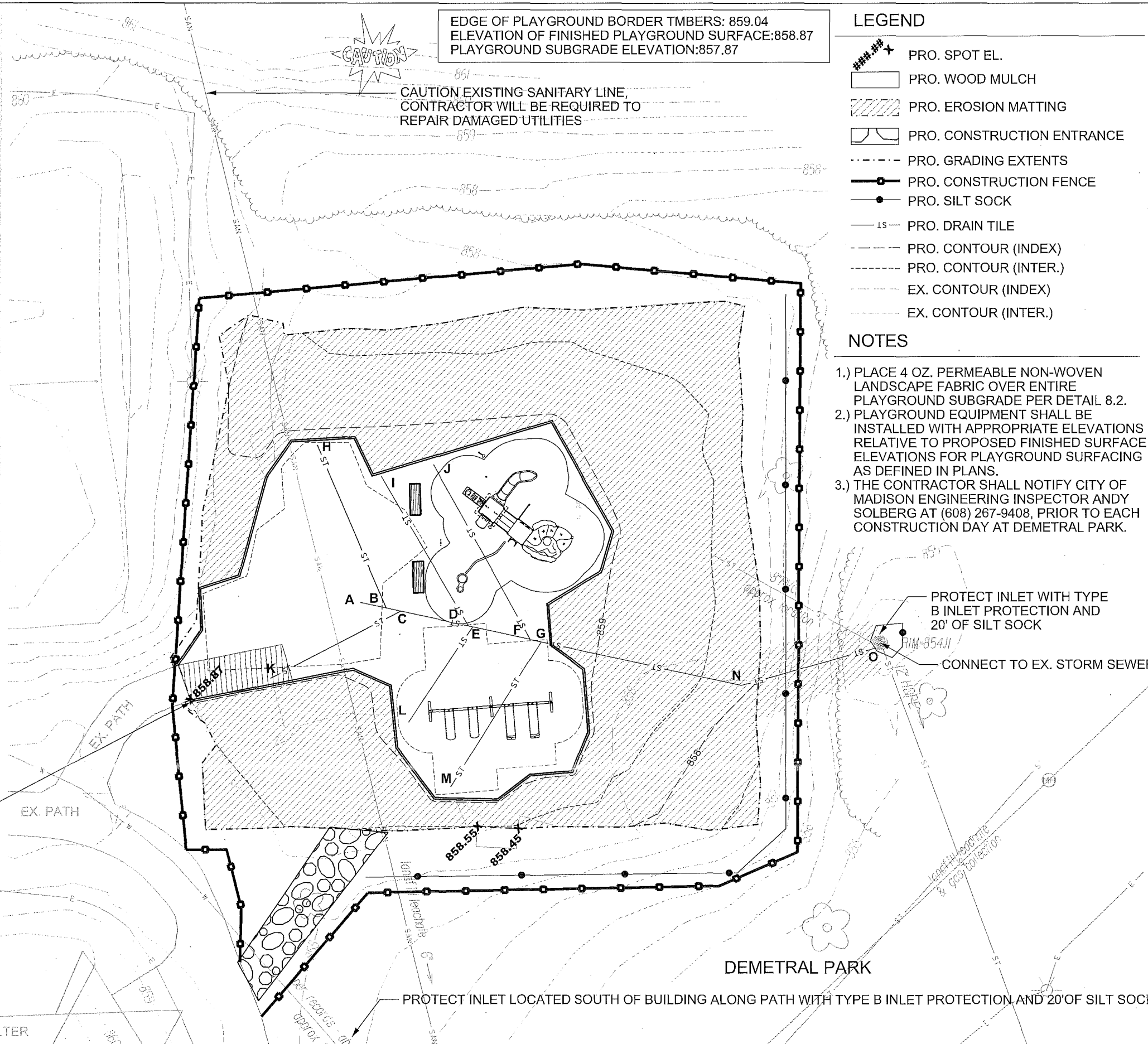
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

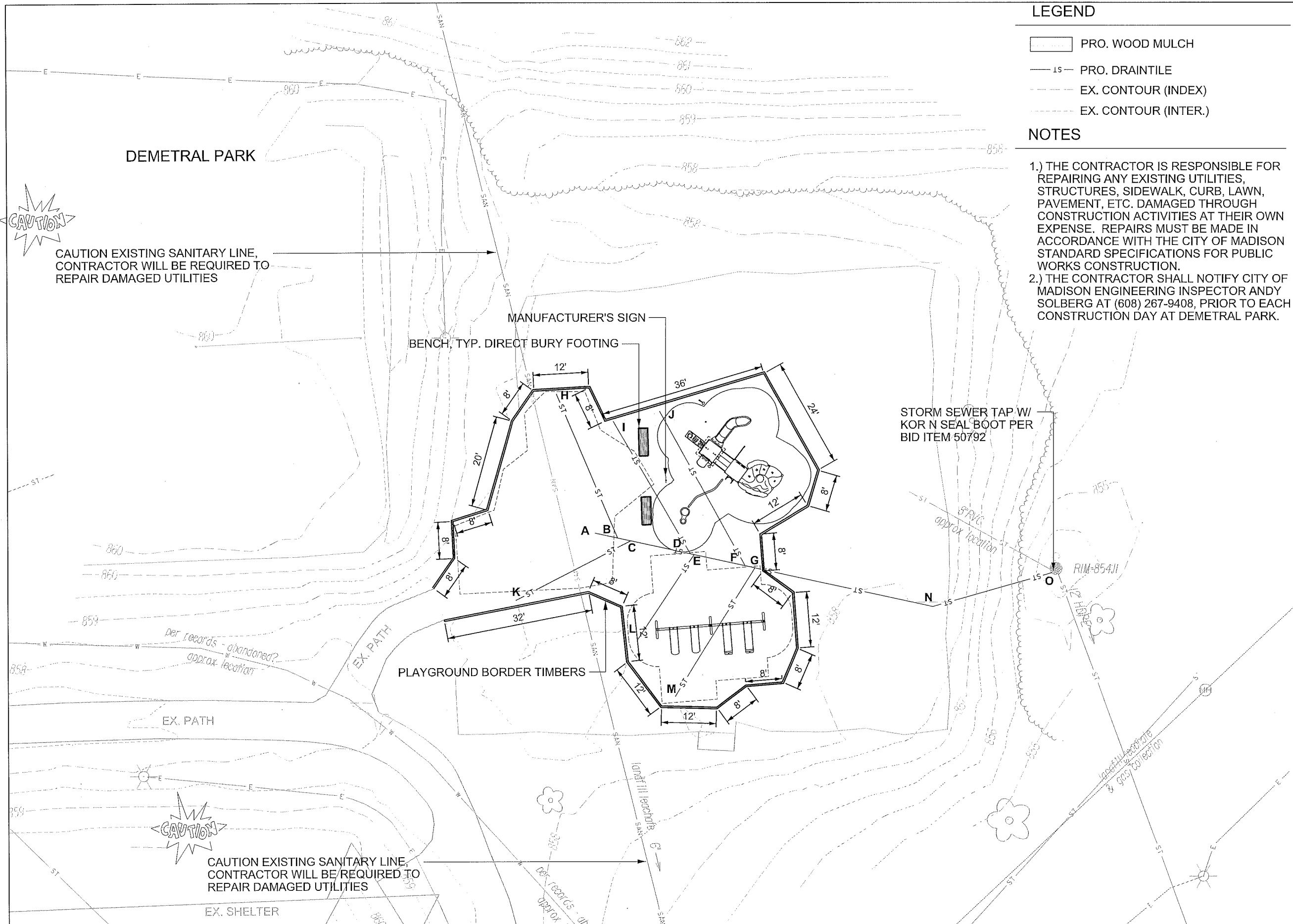
ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
4.4





LEGEND

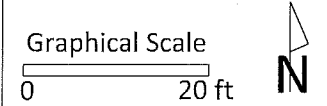
- PRO. WOOD MULCH
- PRO. DRAINTILE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

NOTES

- 1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 2.) THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG AT (608) 267-9408, PRIOR TO EACH CONSTRUCTION DAY AT DEMETRAL PARK.

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play
MADISON PARKS



PROJECT:
2015 PARK PLAYGROUNDS - GROUP 2

DEMETRAL PARK
601 N. SIXTH ST.
MADISON, WI 53704

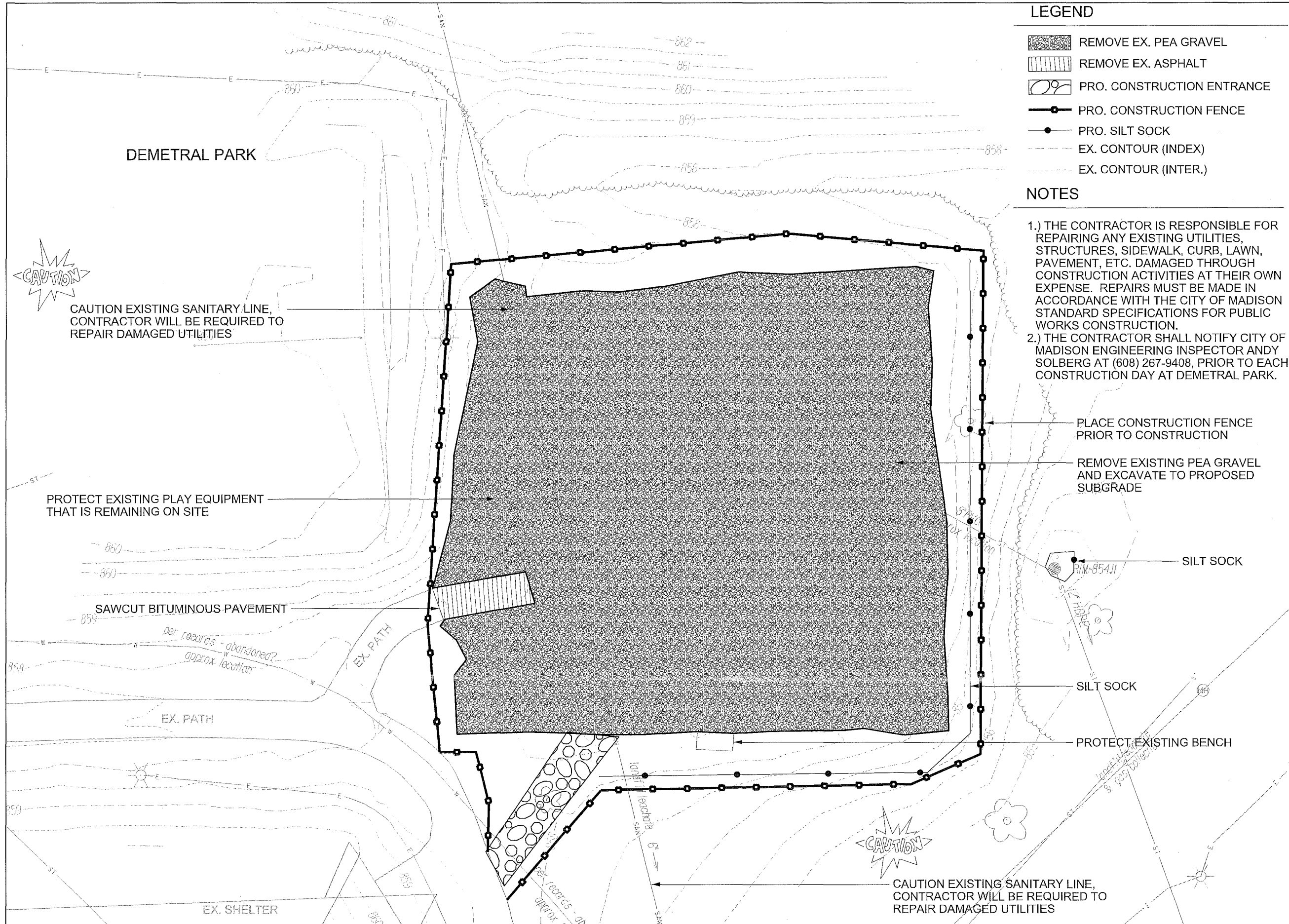
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ITEM	DATE
Drawn by: SCL	03-06-2015

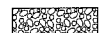






PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
4.3



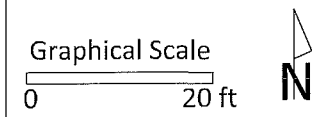
LEGEND

-  REMOVE EX. PEA GRAVEL
-  REMOVE EX. ASPHALT
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

NOTES

- 1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 2.) THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG AT (608) 267-9408, PRIOR TO EACH CONSTRUCTION DAY AT DEMETRAL PARK.

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MADISON
PARKS



PROJECT:
2015 PARK PLAYGROUNDS - GROUP 2

DEMETRAL PARK
601 N. SIXTH ST.
MADISON, WI 53704

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: SCL	03-06-2015


PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
4.2

City of Madison
 Department of Public Works
PARKS DIVISION
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play
**MADISON
 PARKS**

Graphical Scale
 0 20 ft 

PROJECT:
**2015 PARK
 PLAYGROUNDS -
 GROUP 2**

**DEMETRAL PARK
 601 N. SIXTH ST.
 MADISON, WI 53704**

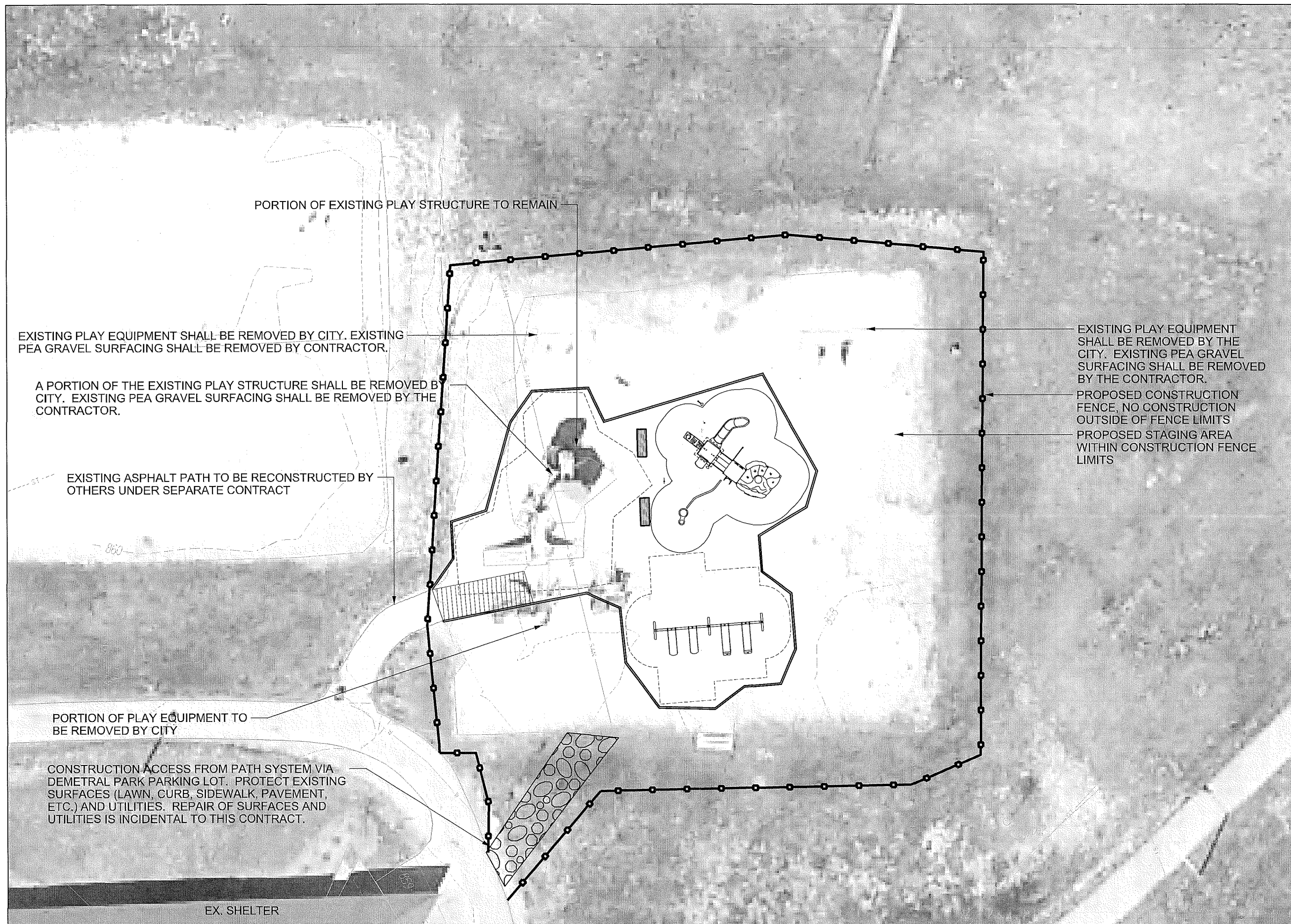
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
4.1



Bernie's Beach Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 3/3/2015

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.

Existing: Bernies_Survey2014-08-15.dtm
Proposed: Pro1.dtm

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 Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	373	0.50	187	6.9	0%	6.9
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	373	varies	3	0.1	0%	0.1
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	373	varies	-102	-3.8	0%	-3.8
1.4	Grass to Asphalt	Gravel (Path) Place	Place 9in gravel base, out to 6in from asphalt edge	n/a	n/a	373	-0.75	-280	-10.4	0%	-10.4
1.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	330	-0.25	-83	-3.1	0%	-3.1
1.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	43	-0.25	-11	-0.4	0%	-0.4
2.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	941	0.50	471	17.4	0%	17.4
2.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	941	varies	0	0.0	0%	0.0
2.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	941	varies	-391	-14.5	0%	-14.5
2.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	941	-0.50	-471	-17.4	0%	-17.4
3.1	Grass to Play Surface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1553	0.50	777	28.8	0%	28.8
3.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	1553	varies	168	6.2	0%	6.2
3.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	1553	varies	-306	-11.3	0%	-11.3
3.4	Grass to Play Surface	Play Surface Place	Place 12in wood chips	n/a	n/a	1553	-1.00	-1553	-57.5	0%	-57.5
4.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	52	0.50	26	1.0	0%	1.0
4.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	52	varies	7	0.3	0%	0.3
4.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	52	varies	-20	-0.7	0%	-0.7
4.4	Grass to Timbers	Timbers Place (placeholder volume)	Place border timbers (placeholder volume to balance volume computations)	n/a	n/a	52	-1.00	-52	-1.9	0%	-1.9
5.1	Play Surface to Asphalt	Play Surface (Rubber) Excavate	Remove rubber chips (est 6in depth)	n/a	n/a	3	0.50	2	0.1	0%	0.1
5.2	Play Surface to Asphalt	Play Surface (Pea Gravel) Excavate	Remove pea gravel under rubber chips (est 11in depth)	n/a	n/a	3	0.92	3	0.1	0%	0.1
5.3	Play Surface to Asphalt	Play Surface (Pea Gravel) Excavate	Remove pea gravel (est 17 in depth)	n/a	n/a	3	1.42	4	0.2	0%	0.2
5.4	Play Surface to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	6	varies	0	0.0	0%	0.0
5.5	Play Surface to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	6	varies	-8	-0.3	0%	-0.3
5.6	Play Surface to Asphalt	Gravel (Path) Place	Place 9in gravel base, out to 6in from asphalt edge	n/a	n/a	6	-0.75	-5	-0.2	0%	-0.2
5.7	Play Surface to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	3	-0.25	-1	0.0	0%	0.0
5.8	Play Surface to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	3	-0.25	-1	0.0	0%	0.0
6.1	Play Surface to Grass	Play Surface (Rubber) Excavate	Remove rubber chips (est 6in depth)	n/a	n/a	43	0.50	22	0.8	0%	0.8
6.2	Play Surface to Grass	Play Surface (Pea Gravel) Excavate	Remove pea gravel under rubber chips (est 11in depth)	n/a	n/a	43	0.92	39	1.5	0%	1.5
6.3	Play Surface to Grass	Play Surface (Pea Gravel) Excavate	Remove pea gravel (est 17 in depth)	n/a	n/a	23	1.42	33	1.2	0%	1.2

6.4	Play Surface to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-6in	66	varies	0	0.0	0%	0.0
6.5	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	66	varies	-113	-4.2	0%	-4.2
6.6	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	66	-0.50	-33	-1.2	0%	-1.2
7.1	Play Surface to Play Surface	Play Surface (Rubber) Excavate	Remove rubber chips (est 6in depth)	n/a	n/a	423	0.50	212	7.8	0%	7.8
7.2	Play Surface to Play Surface	Play Surface (Pea Gravel) Excavate	Remove pea gravel under rubber chips (est 11in depth)	n/a	n/a	423	0.92	388	14.4	0%	14.4
7.3	Play Surface to Play Surface	Play Surface (Pea Gravel) Excavate	Remove pea gravel (est 17 in depth)	n/a	n/a	152	1.42	215	8.0	0%	8.0
7.4	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	575	varies	0	0.0	0%	0.0
7.5	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	575	varies	-830	-30.7	0%	-30.7
7.6	Play Surface to Play Surface	Play Surface Place	Place 12in wood chips	n/a	n/a	575	-1.00	-575	-21.3	0%	-21.3
8.1	Play Surface to Timbers	Play Surface (Rubber) Excavate	Remove rubber chips (est 6in depth)	n/a	n/a	5	0.50	3	0.1	0%	0.1
8.2	Play Surface to Timbers	Play Surface (Pea Gravel) Excavate	Remove pea gravel under rubber chips (est 11in depth)	n/a	n/a	5	0.92	5	0.2	0%	0.2
8.3	Play Surface to Timbers	Play Surface (Pea Gravel) Excavate	Remove pea gravel (est 17 in depth)	n/a	n/a	2	1.42	3	0.1	0%	0.1
8.4	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	7	varies	0	0.0	0%	0.0
8.5	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	7	varies	-12	-0.4	0%	-0.4
8.6	Play Surface to Timbers	Timbers Place (placeholder volume)	Place border timbers (placeholder volume to balance volume computations)	n/a	n/a	7	-1.00	-7	-0.3	0%	-0.3
12.1	Adjust	Play Surface Place	Increase play surface by 1/2 of path ramp gravel base volume = 1/2 x (32 sq ft x 12in)	n/a	n/a	32	-0.50	-16	-0.6	0%	-0.6
12.2	Adjust	Subsoil Excavate	Increase subsoil excavate by 1/2 of concrete ramp gravel base volume = 1/2 x (32 sq ft x 12in)	n/a	n/a	32	0.50	16	0.6	0%	0.6

Bernie's Beach Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 3/3/2015

Derived from more detailed spreadsheet available from Parks Div

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

Row Labels	Sum of Unfactored volume (cu yd)
Asphalt Place	-3.1
Gravel (Path) Place	-10.5
Play Surface (Pea Gravel) Excavate	25.5
Play Surface (Rubber) Excavate	8.8
Play Surface Place	-79.4
Subsoil Excavate	7.2
Subsoil Place	-66.0
Timbers Place (placeholder volume)	-2.2
Topsoil Excavate	54.1
Topsoil Place	-19.1
Grand Total	-84.7

Net subsoil: -59 cu yd
Net topsoil: 35 cu yd
Net topsoil & subsoil: -24 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	61	CY	= Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	34	CY	= Play Surface Excavate
20201 Fill	-59	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	114	SY	= (Topsoil Place) * -167
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	21	tons	=(Gravel Place) * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	8.0	tons	= Asphalt Place * -2.16 ton/cubic yard
90003 Playground Surfacing - Wood	87	CY	= Play Surface Place * -1.10

City of Madison
Department of Public Works
PARKS DIVISION

City-County Building, Suite 104
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PO Box 2987
Madison, WI 53701-2987

play
MADISON PARKS

Graphical Scale
0 20 ft N

PROJECT:

**2015
PLAYGROUND
IMPROVEMENTS
- GROUP 3**

**BERNIE'S BEACH PARK
901 GILSON STREET
MADISON, WI 53715**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
Drawn by: KK 03-06-2015
Approved by: KK-XX-XXXX








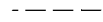
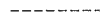


PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
**DESIGN
CALCULATIONS**

SHEET NUMBER:

3.5

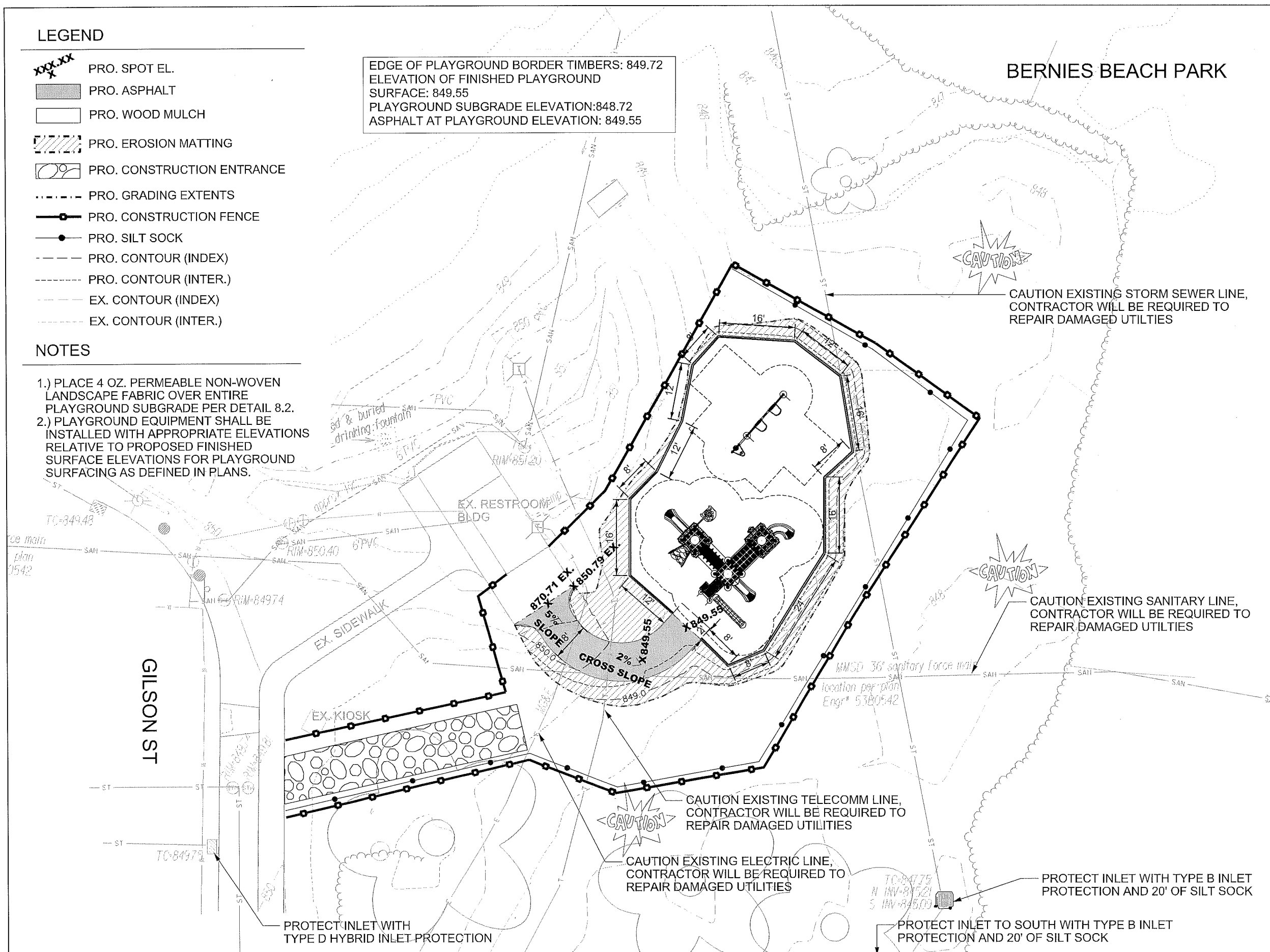
LEGEND

- xxx.xx** PRO. SPOT EL.
-  PRO. ASPHALT
-  PRO. WOOD MULCH
-  PRO. EROSION MATTING
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. GRADING EXTENTS
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  PRO. CONTOUR (INDEX)
-  PRO. CONTOUR (INTER.)
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

NOTES

- 1.) PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND SUBGRADE PER DETAIL 8.2.
- 2.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.

EDGE OF PLAYGROUND BORDER TIMBERS: 849.72
 ELEVATION OF FINISHED PLAYGROUND SURFACE: 849.55
 PLAYGROUND SUBGRADE ELEVATION: 848.72
 ASPHALT AT PLAYGROUND ELEVATION: 849.55



BERNIES BEACH PARK

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**

Graphical Scale
 0 20 ft



PROJECT:
 2015
**PLAYGROUND
 IMPROVEMENTS**
 - GROUP 3

BERNIE'S BEACH PARK
 901 GILSON STREET
 MADISON, WI 53715

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: KK	03-06-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
3.4

LEGEND

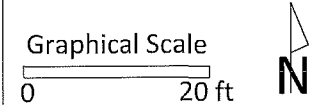
- PRO. ASPHALT
- PRO. WOOD MULCH
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

NOTES

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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PROJECT:
2015
PLAYGROUND
IMPROVEMENTS
- GROUP 3

BERNIE'S BEACH PARK
901 GILSON STREET
MADISON, WI 53715

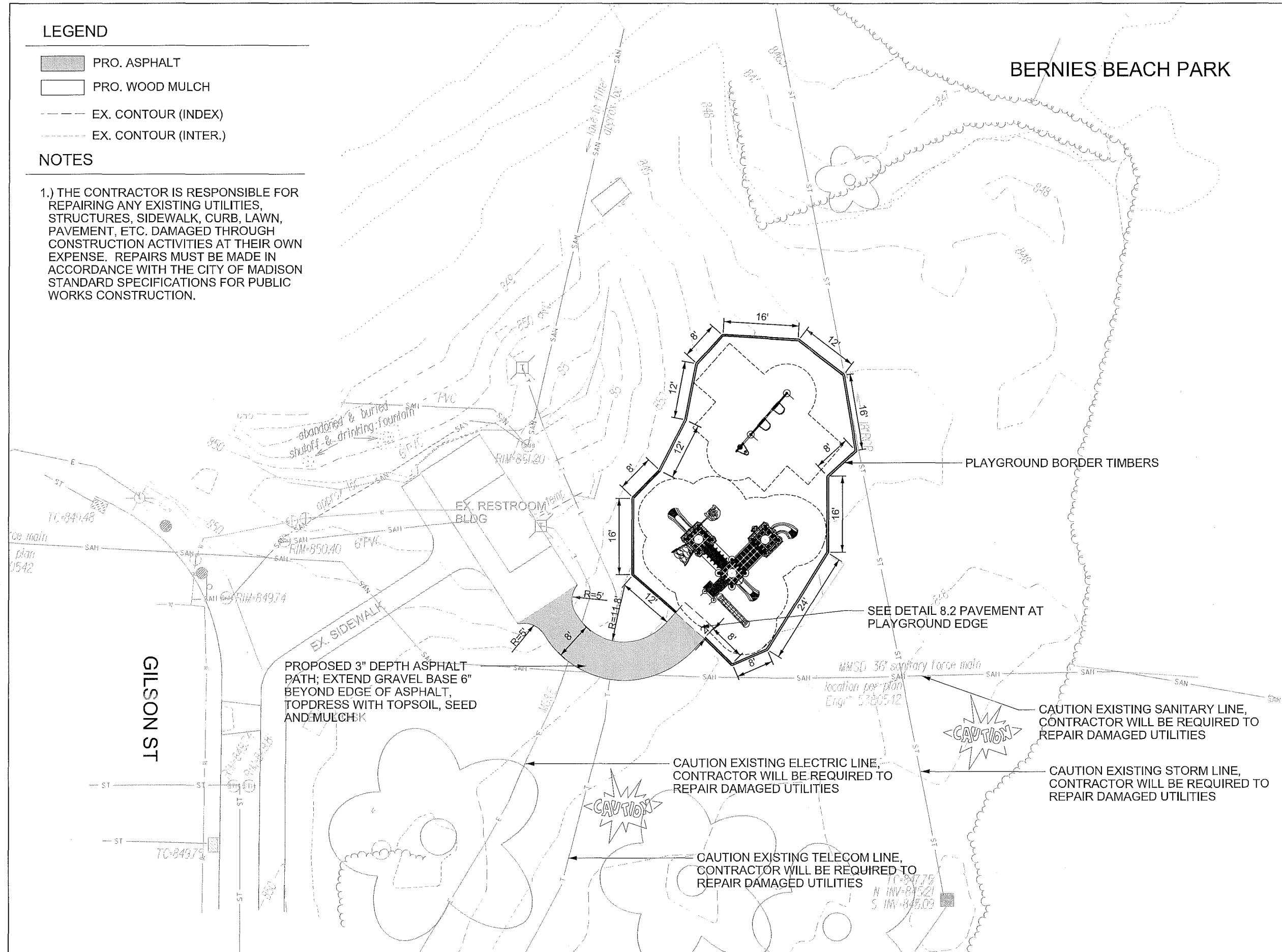
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Approved by:	xx-xx-xxxx









PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
3.3

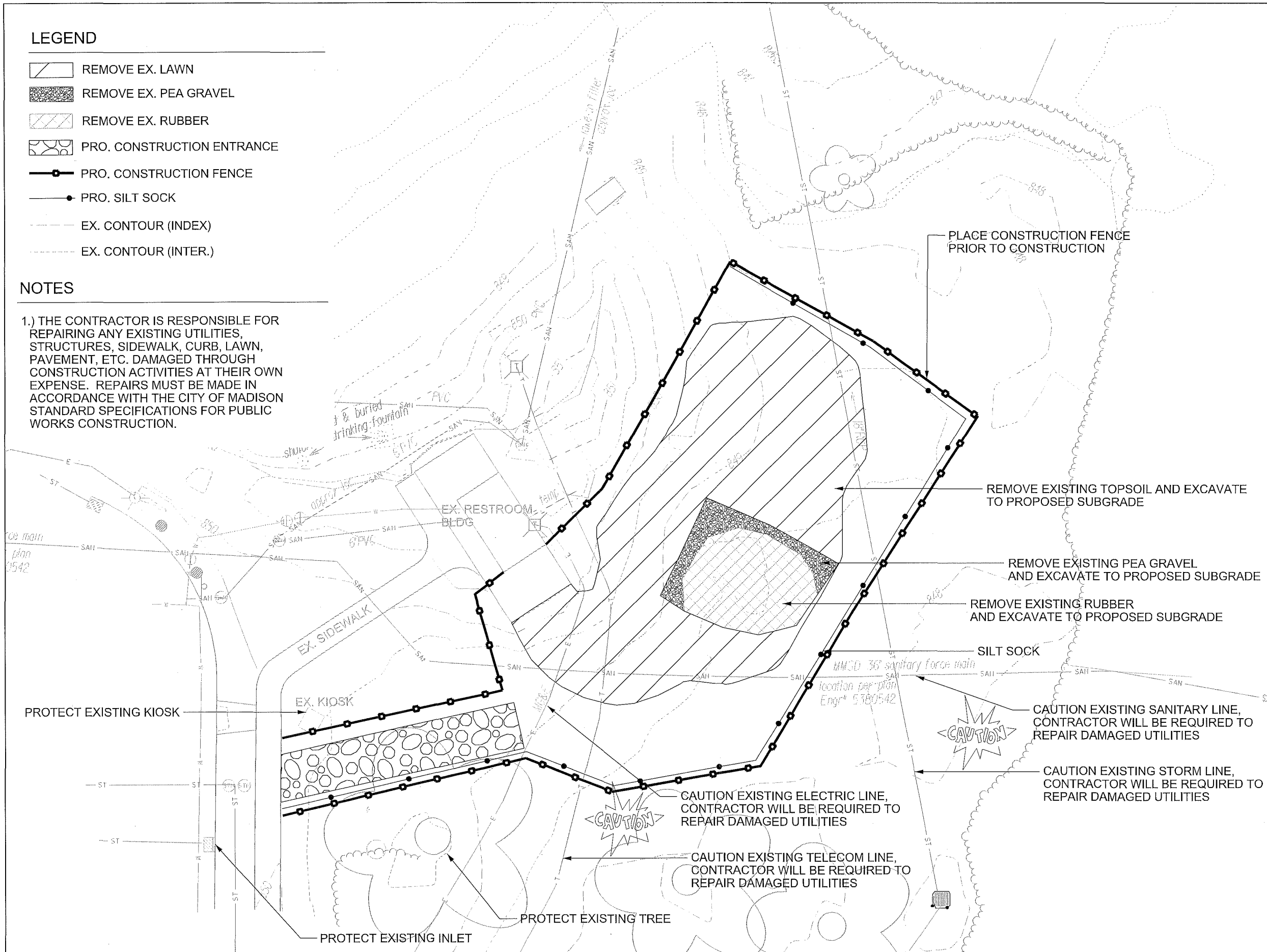


LEGEND

-  REMOVE EX. LAWN
-  REMOVE EX. PEA GRAVEL
-  REMOVE EX. RUBBER
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

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Madison, WI 53701-2987

play
**MADISON
PARKS**

Graphical Scale
0 20 ft



PROJECT:
*2015
PLAYGROUND
IMPROVEMENTS
- GROUP 3*

*BERNIE'S BEACH PARK
901 GILSON STREET
MADISON, WI 53715*

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ITEM	DATE
Drawn by: KK	03-06-2015
Approved by:	xx-xx-xxxx

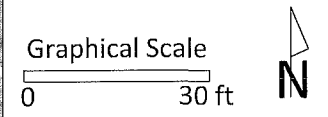
PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
**DEMOLITION AND
PROTECTION PLAN**

SHEET NUMBER:
3.2

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
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 PARKS**



PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 3**

**BERNIE'S BEACH PARK
 901 GILSON STREET
 MADISON, WI 53715**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: KK	03-06-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
3.1



Badger Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 3/2/2015

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.

Existing Badger_Survey2014-09-18.dtm
Proposed pro1.dtm

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	Bench Pad to Grass	Concrete Excavate	Remove existing concrete bench pad (est 5in thick)	n/a	n/a	30	0.42	13	0.5	0%	0.5
1.2	Bench Pad to Grass	Gravel (Bench Pad) Excavate	Remove existing bench pad gravel base (est 2in thick)	n/a	n/a	30	0.17	5	0.2	0%	0.2
1.3	Bench Pad to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-7in	Pro-6in	30	varies	0	0.0	0%	0.0
1.4	Bench Pad to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-7in	Pro-6in	30	varies	-5	-0.2	0%	-0.2
1.5	Bench Pad to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	30	-0.50	-15	-0.6	0%	-0.6
2.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	282	0.50	141	5.2	0%	5.2
2.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	282	varies	86	3.2	0%	3.2
2.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	282	varies	0	0.0	0%	0.0
2.4	Grass to Asphalt	Gravel (Path) Place	Place 9in gravel base, out 6in from asphalt edge	n/a	n/a	282	-0.75	-212	-7.8	0%	-7.8
2.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	247	-0.25	-62	-2.3	0%	-2.3
2.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	35	-0.25	-9	-0.3	0%	-0.3
3.1	Grass to Bench Pad	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	51	0.50	26	0.9	0%	0.9
3.2	Grass to Bench Pad	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-7in	51	varies	2	0.1	0%	0.1
3.3	Grass to Bench Pad	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-7in	51	varies	0	0.0	0%	0.0
3.4	Grass to Bench Pad	Gravel (Bench Pad) Place	Place 2in gravel base, out 6in from concrete edge	n/a	n/a	51	-0.17	-9	-0.3	0%	-0.3
3.5	Grass to Bench Pad	Concrete Place	Place 5in concrete	n/a	n/a	39	-0.42	-16	-0.6	0%	-0.6
3.6	Grass to Bench Pad	Topsoil Place	Place 5in topsoil on 6in wide gravel edge	n/a	n/a	12	-0.42	-5	-0.2	0%	-0.2
4.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	699	0.50	350	12.9	0%	12.9
4.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	699	varies	4	0.1	0%	0.1
4.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	699	varies	-71	-2.6	0%	-2.6
4.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	699	-0.50	-350	-12.9	0%	-12.9
5.1	Grass to Play Surface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	537	0.50	269	9.9	0%	9.9
5.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-7in	537	varies	66	2.4	0%	2.4
5.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-7in	537	varies	-18	-0.6	0%	-0.6
5.4	Grass to Play Surface	Play Surface Place	Place 7in compacted rubber chips (9in uncompacted)	n/a	n/a	537	-0.58	-313	-11.6	29%	-14.9
6.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	25	0.50	13	0.5	0%	0.5
6.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	25	varies	8	0.3	0%	0.3
6.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	25	varies	0	0.0	0%	0.0

6.4	Grass to Timbers	Timbers Place (placeholder volume)	Place border timbers (placeholder volume to balance volume comps)	n/a	n/a	25	-1.00	-25	-0.9	0%	-0.9
7.1	Play Surface to Asphalt	Play Surface Excavate	Remove existing pea gravel (est 17 in depth)	n/a	n/a	2	1.42	3	0.1	0%	0.1
7.2	Play Surface to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	2	varies	0	0.0	0%	0.0
7.3	Play Surface to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	2	varies	-1	0.0	0%	0.0
7.4	Play Surface to Asphalt	Gravel (Path) Place	Place 9in gravel base, out 6in from asphalt edge	n/a	n/a	2	-0.75	-2	-0.1	0%	-0.1
7.5	Play Surface to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	0	-0.25	0	0.0	0%	0.0
7.6	Play Surface to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	2	-0.25	-1	0.0	0%	0.0
8.1	Play Surface to Bench Pad	Play Surface Excavate	Remove existing pea gravel (est 17 in depth)	n/a	n/a	3	1.42	4	0.2	0%	0.2
8.2	Play Surface to Bench Pad	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-7in	3	varies	0	0.0	0%	0.0
8.3	Play Surface to Bench Pad	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-7in	3	varies	-3	-0.1	0%	-0.1
8.4	Play Surface to Bench Pad	Gravel (Bench Pad) Place	Place 2in gravel base, out 6in from concrete edge	n/a	n/a	3	-0.17	-1	0.0	0%	0.0
8.5	Play Surface to Bench Pad	Concrete Place	Place 5in concrete	n/a	n/a	1	-0.42	0	0.0	0%	0.0
8.6	Play Surface to Bench Pad	Topsoil Place	Place 5in topsoil on 6in wide gravel edge	n/a	n/a	2	-0.42	-1	0.0	0%	0.0
9.1	Play Surface to Grass	Play Surface Excavate	Remove existing pea gravel (est 17 in depth)	n/a	n/a	981	1.42	1390	51.5	0%	51.5
9.2	Play Surface to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-6in	981	varies	0	0.0	0%	0.0
9.3	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	981	varies	-1018	-37.7	0%	-37.7
9.4	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	981	-0.50	-491	-18.2	0%	-18.2
10.1	Play Surface to Play Surface	Play Surface Excavate	Remove existing pea gravel (est 17 in depth)	n/a	n/a	2278	1.42	3227	119.5	0%	119.5
10.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-7in	2278	varies	0	0.0	0%	0.0
10.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-7in	2278	varies	-2162	-80.1	0%	-80.1
10.4	Play Surface to Play Surface	Play Surface Place	Place 7in compacted rubber chips (9in uncompacted)	n/a	n/a	2278	-0.58	-1329	-49.2	29%	-63.3
11.1	Play Surface to Timbers	Play Surface Excavate	Remove existing pea gravel (est 17 in depth)	n/a	n/a	44	1.42	62	2.3	0%	2.3
11.2	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	44	varies	0	0.0	0%	0.0
11.3	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	44	varies	-33	-1.2	0%	-1.2
11.4	Play Surface to Timbers	Timbers Place (placeholder volume)	Place border timbers (placeholder volume to balance volume comps)	n/a	n/a	44	-1.00	-44	-1.6	0%	-1.6
12.1	Adjust	Play Surface Place	Increase play surface by 1/2 of path ramp gravel base volume = 1/2 x (23 sq ft x 7in)	n/a	n/a	23	-0.29	-7	-0.2	29%	-0.3
12.2	Adjust	Subsoil Excavate	Increase subsoil excavate by 1/2 of concrete ramp gravel base volume = 1/2 x (23 sq ft x 7in)	n/a	n/a	23	0.29	7	0.2	0%	0.2

Badger Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 3/2/2015

Derived from more detailed spreadsheet available from Parks Div

Computation Summary
Positive volumes are cuts (material available), negative volumes are fills (material to be added)

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Asphalt Place	-2.3
Concrete Excavate	0.8
Concrete Place	-0.6
Gravel (Bench Pad) Excavate	0.2
Gravel (Bench Pad) Place	-0.3
Gravel (Path) Place	-7.8
Play Surface Excavate	173.6
Play Surface Place	-78.5
Subsoil Excavate	6.4
Subsoil Place	-122.6
Timbers Place (placeholder volume)	-2.6
Topsoil Excavate	29.5
Topsoil Place	-32.2
Grand Total	-38.5

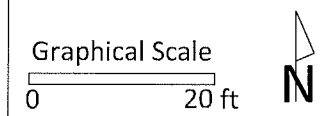
Net subsoil -116 cu yd
Net topsoil 3 cu yd
Net topsoil & subsoil -119 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	36	CY	= Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	174	CY	= Play Surface Excavate
20201 Fill	118	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	193	SY	= (Topsoil Place) * 1.67
40102 Crushed Aggregate Base Course Gradation No. 2&3	16	tons	= (Gravel Place) * 2 ton/cubic yard
40201 3" Depth HMA Pavement Type E.0.3	4.9	tons	= Asphalt Place * 2.16 ton/cubic yard
90004 Playground Surfacing - Rubber	96	CY	= Play Surface Place * -1.10

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play MADISON PARKS



PROJECT:
2015 PLAYGROUND IMPROVEMENTS - GROUP 3

**BADGER PARK
418 BURDETTE COURT
MADISON, WI 53713**

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








ITEM DATE
Drawn by: KK 03-06-2015
Approved by: xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DESIGN CALCULATIONS

SHEET NUMBER:
2.5

LEGEND

-  PRO. SPOT EL.
-  PRO. RUBBER MULCH
-  PRO. CONCRETE
-  PRO. EROSION MATTING
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. GRADING LIMITS
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  PRO. CONTOUR (INDEX)
-  PRO. CONTOUR (INTER.)
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

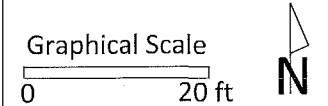
NOTES

- 1.) PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND PER DETAIL 8.2.
- 2.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.

EDGE OF PLAYGROUND BORDER TIMBERS: 866.00
 ELEVATION OF FINISHED PLAYGROUND SURFACE: 865.83
 (ASSUMES 2' OF COMPACTION. CONTRACTOR SHALL
 INSTALL RUBBER MULCH TO 866.00)
 PLAYGROUND SUBGRADE ELEVATION: 865.25
 ASPHALT AT PLAYGROUND ELEVATION: 865.83

City of Madison
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**MADISON
 PARKS**



PROJECT:
 2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 3

BADGER PARK
 418 BURDETTE COURT
 MADISON, WI 53713

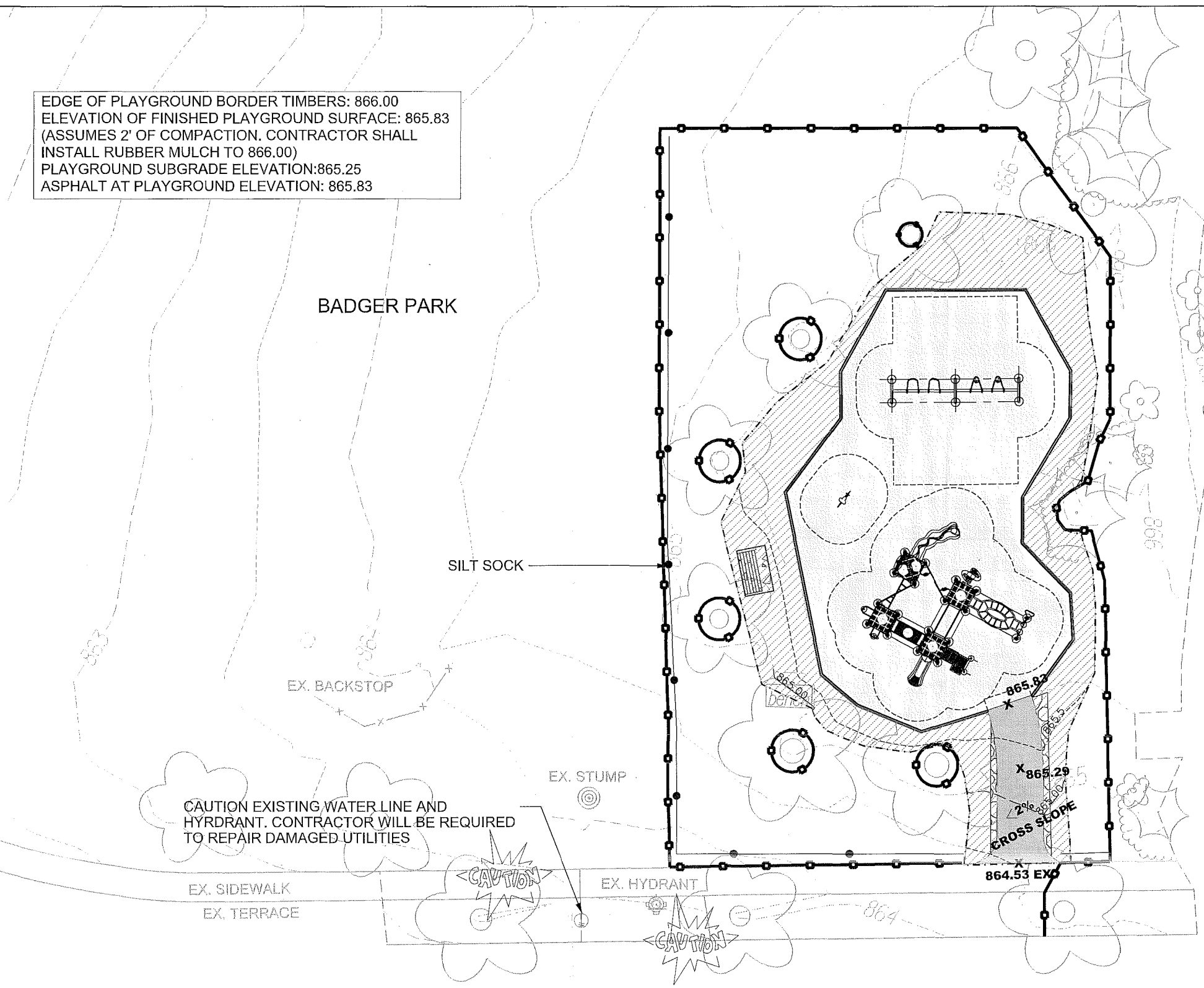
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ITEM	DATE
Drawn by: KK	03-06-2015
Approved by:	XX-XX-XXXX






PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
2.4



LEGEND

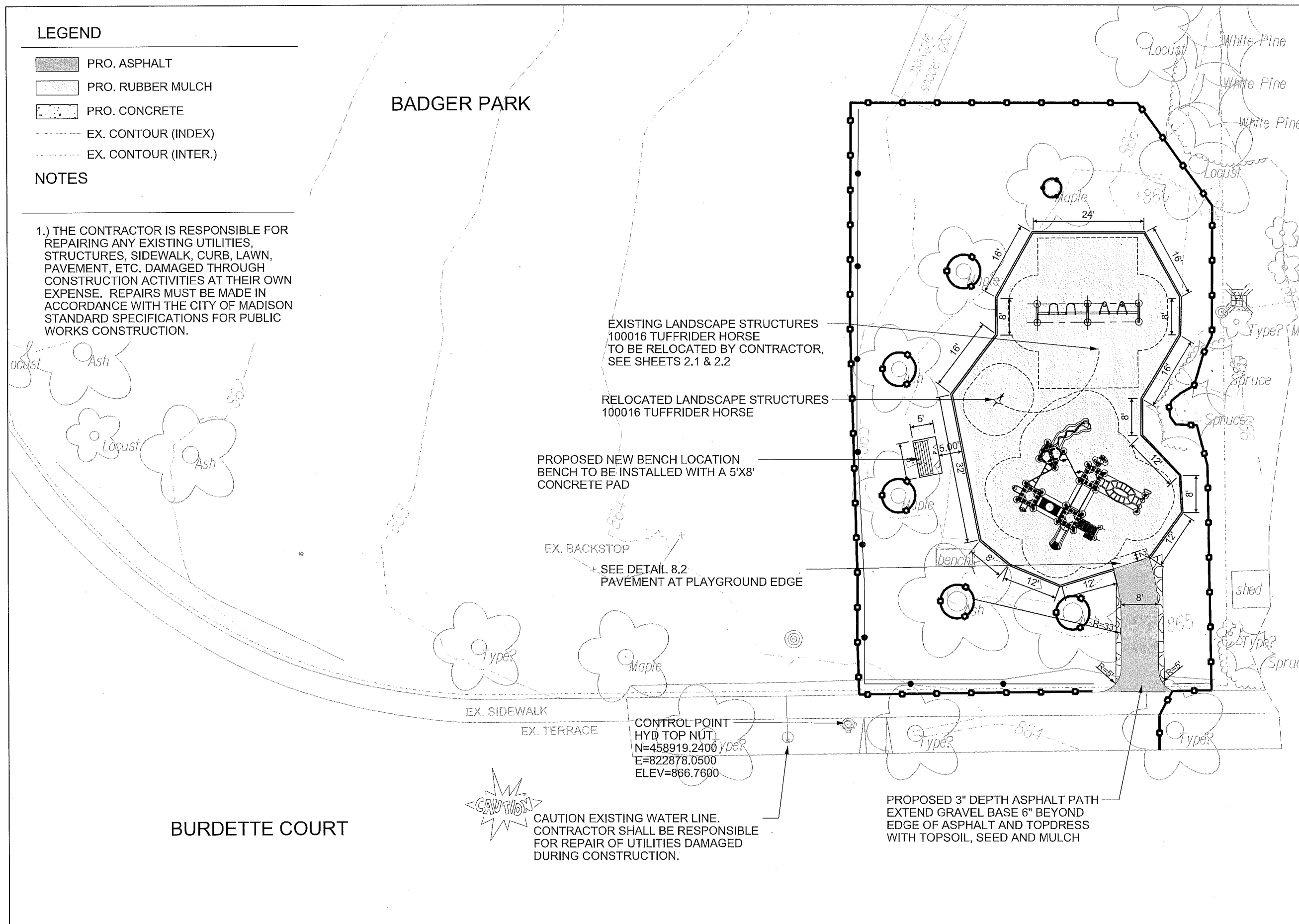
-  PRO. ASPHALT
-  PRO. RUBBER MULCH
-  PRO. CONCRETE
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

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BADGER PARK

BURDETTE COURT



EXISTING LANDSCAPE STRUCTURES
100016 TUFFRIDER HORSE
TO BE RELOCATED BY CONTRACTOR,
SEE SHEETS 2.1 & 2.2

RELOCATED LANDSCAPE STRUCTURES
100016 TUFFRIDER HORSE

PROPOSED NEW BENCH LOCATION
BENCH TO BE INSTALLED WITH A 5'X8'
CONCRETE PAD

EX. BACKSTOP
SEE DETAIL 8.2
PAVEMENT AT PLAYGROUND EDGE

CONTROL POINT
HYD TOP NUT
N=458919.2400
E=822878.0500
ELEV=866.7600

CAUTION
CAUTION EXISTING WATER LINE.
CONTRACTOR SHALL BE RESPONSIBLE
FOR REPAIR OF UTILITIES DAMAGED
DURING CONSTRUCTION.

PROPOSED 3" DEPTH ASPHALT PATH
EXTEND GRAVEL BASE 6" BEYOND
EDGE OF ASPHALT AND TOPDRESS
WITH TOPSOIL, SEED AND MULCH

City of Madison
Department of Public Works
PARKS DIVISION

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Madison, WI 53701-2987

play
**MADISON
PARKS**

Graphical Scale
20 ft

*2015
PLAYGROUND
IMPROVEMENTS
- GROUP 3*

BADGER PARK
418 BURDETTE COURT
MADISON, WI 53713

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.









DATE	03-06-2015
Drawn by: KK	
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
2.3

LEGEND


-  REMOVE EX. LAWN
-  REMOVE EX. PEA GRAVEL
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  NRC NO ROOT CUT PER BID ITEM 10803
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

NOTES

1.) THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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 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

Graphical Scale
 0 20 ft 

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 3**

**BADGER PARK
 418 BURDETTE COURT
 MADISON, WI 53713**

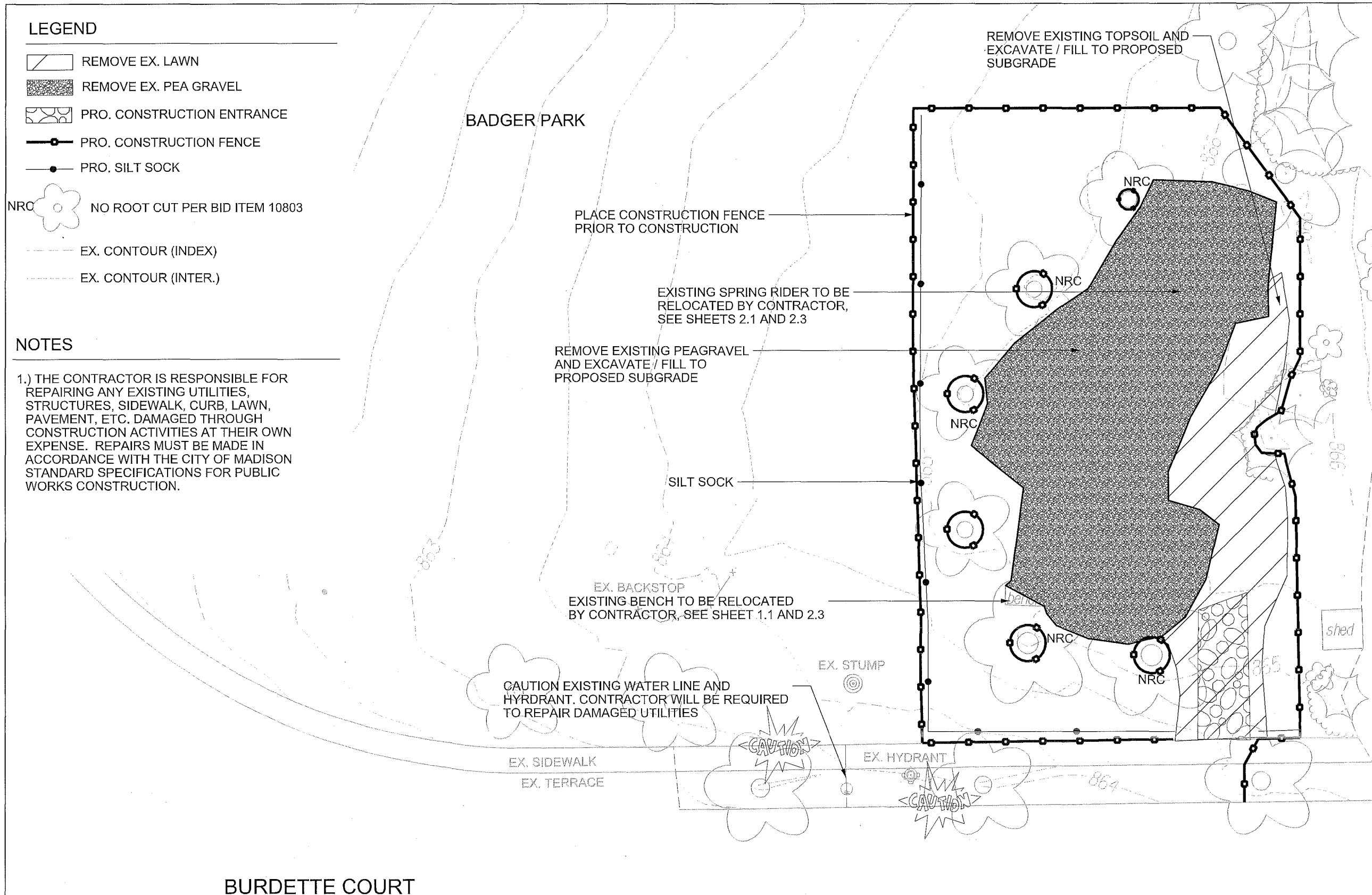
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: KK	1-02-2015
Approved by:	XX-XX-XXXX

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

SHEET NUMBER:
2.2




BADGER PARK

BURDETTE COURT

NOTE:
 1. SITE IS HEAVILY WOODED, THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO ENSURE EXISTING TREES ARE PROTECTED. TREE PROTECTION (NO ROOT CUT BID ITEMS) HAVE BEEN ADDED TO THIS CONTRACT. THE CONTRACTOR SHALL NOT DRIVE OUTSIDE OF CONSTRUCTION FENCE LIMITS.

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 Madison, WI 53701-2987

play
**MADISON
 PARKS**

Graphical Scale
 0 40 ft 

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 3**

**BADGER PARK
 418 BURDETTE COURT
 MADISON, WI 53713**

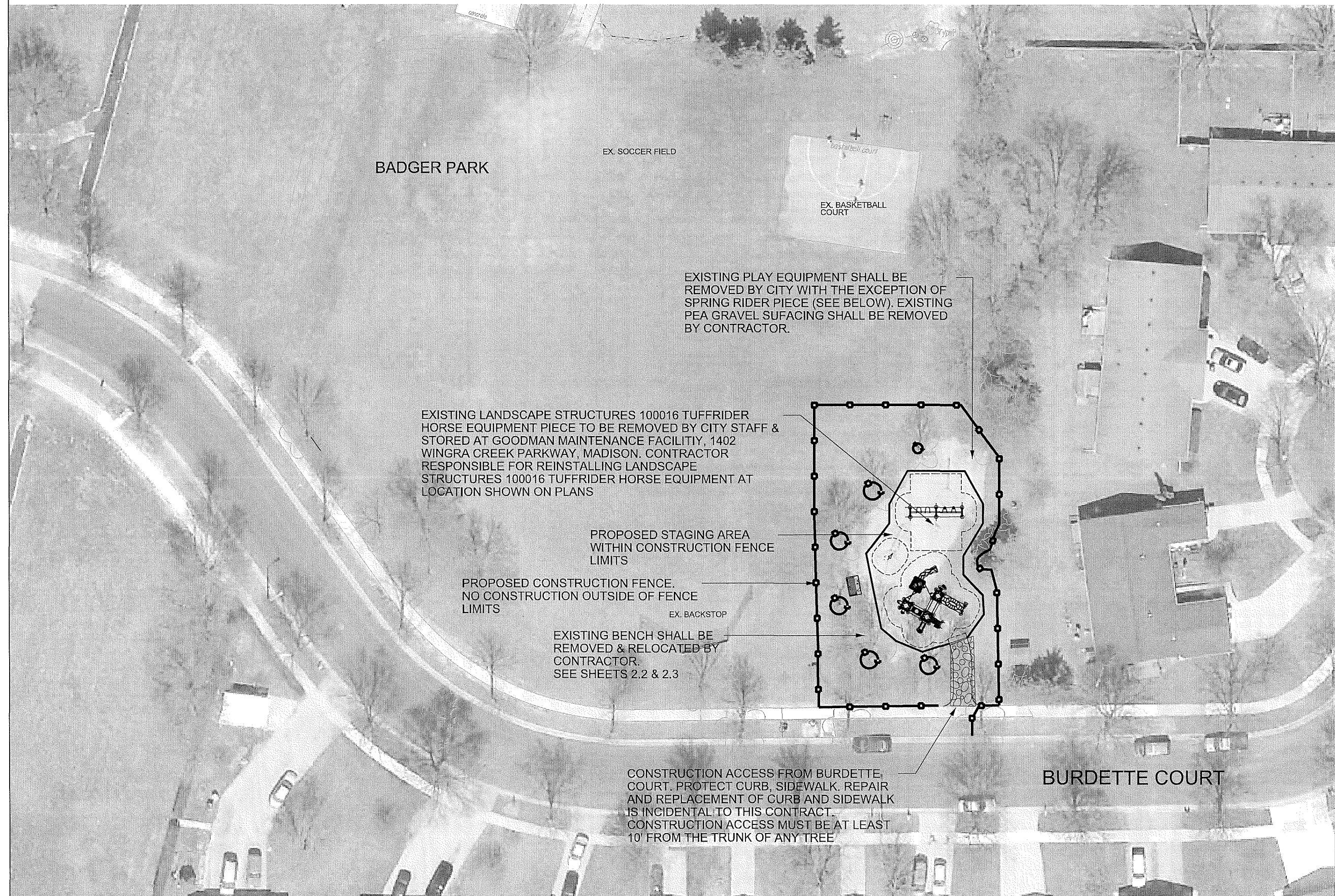
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ITEM	DATE
Drawn by: KK	01-07-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
2.1



BADGER PARK

EX. SOCCER FIELD

EX. BASKETBALL COURT

EXISTING PLAY EQUIPMENT SHALL BE REMOVED BY CITY WITH THE EXCEPTION OF SPRING RIDER PIECE (SEE BELOW). EXISTING PEAS GRAVEL SURFACING SHALL BE REMOVED BY CONTRACTOR.

EXISTING LANDSCAPE STRUCTURES 100016 TUFFRIDER HORSE EQUIPMENT PIECE TO BE REMOVED BY CITY STAFF & STORED AT GOODMAN MAINTENANCE FACILITY, 1402 WINGRA CREEK PARKWAY, MADISON. CONTRACTOR RESPONSIBLE FOR REINSTALLING LANDSCAPE STRUCTURES 100016 TUFFRIDER HORSE EQUIPMENT AT LOCATION SHOWN ON PLANS

PROPOSED STAGING AREA WITHIN CONSTRUCTION FENCE LIMITS

PROPOSED CONSTRUCTION FENCE. NO CONSTRUCTION OUTSIDE OF FENCE LIMITS

EX. BACKSTOP

EXISTING BENCH SHALL BE REMOVED & RELOCATED BY CONTRACTOR. SEE SHEETS 2.2 & 2.3

CONSTRUCTION ACCESS FROM BURDETTE COURT. PROTECT CURB, SIDEWALK. REPAIR AND REPLACEMENT OF CURB AND SIDEWALK IS INCIDENTAL TO THIS CONTRACT. CONSTRUCTION ACCESS MUST BE AT LEAST 10' FROM THE TRUNK OF ANY TREE

BURDETTE COURT

Arbor Hills Park Playground - Earthwork Quantities

City of Madison Public Works Contract
Date Revised: 2/3/2015

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.

Existing ArborHills_Survey2014-08-28.dtm ("Ex")
Proposed Pro_2.dtm

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 Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1031	0.50	516	19.1	0%	19.1
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	1031	varies	201	7.4	0%	7.4
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	1031	varies	-25	-0.9	0%	-0.9
1.4	Grass to Asphalt	Gravel (Path) Place	Place 9in depth gravel base out to 6in from pavement edge	n/a	n/a	1031	-0.75	-773	-28.6	0%	-28.6
1.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt (includes ramp into playground)	n/a	n/a	912	-0.25	-228	-8.4	0%	-8.4
1.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	119	-0.25	-30	-1.1	0%	-1.1
2.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	676	0.50	338	12.5	0%	12.5
2.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	676	varies	17	0.6	0%	0.6
2.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	676	varies	-109	-4.0	0%	-4.0
2.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	676	-0.50	-338	-12.5	0%	-12.5
3.1	Grass to Play Surface	Topsoil Excavate	Strip 8in topsoil	n/a	n/a	426	0.50	213	7.9	0%	7.9
3.2	Grass to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-7in	426	varies	48	1.8	0%	1.8
3.3	Grass to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-7in	426	varies	-108	-4.0	0%	-4.0
3.4	Grass to Play Surface	Play Surface Place	Place 9in uncompacted rubber chips (expected to compact to 7in)	n/a	n/a	426	-0.58	-249	-9.2	29%	-11.8
4.1	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	25	0.50	13	0.5	0%	0.5
4.2	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	25	varies	9	0.3	0%	0.3
4.3	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	25	varies	-2	-0.1	0%	-0.1
4.4	Grass to Timbers	Border Timbers Place (placeholder volume)	Border Timbers (placeholder volume to balance volume comps)	n/a	n/a	25	-1.00	-25	-0.9	0%	-0.9
5.1	Grass to Wall	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	144	0.50	72	2.7	0%	2.7
5.2	Grass to Wall	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	982.71ft	144	varies	118	4.4	0%	4.4
5.3	Grass to Wall	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	982.71ft	144	varies	0	0.0	0%	0.0
5.4	Grass to Wall	Gravel (Wall) Place	Place 6in gravel base under wall & out 6in on front & sides up to bottom of proposed topsoil	n/a	n/a	144	varies	-92	-3.4	0%	-3.4
5.5	Grass to Wall	Gravel (Wall) Place	Place 12in wide gravel in back of wall up to play subgrade	n/a	n/a	51	-1.04	-53	-2.0	0%	-2.0
5.6	Grass to Wall	Wall Place (placeholder volume)	Place block retaining wall (placeholder volume to balance volume comps)	n/a	n/a	61	-1.79	-109	-4.0	0%	-4.0
5.7	Grass to Wall	Topsoil Place	Place 6in topsoil on 12in wide gravel behind retaining wall	n/a	n/a	32	-0.50	-16	-0.6	0%	-0.6
5.8	Grass to Wall	Play Surface Place	Place 9in uncompacted rubber chips (expected to compact to 7in)	n/a	n/a	51	-0.58	-30	-1.1	29%	-1.4
5.9	Grass to Wall	(placeholder volume)	Placeholder to reconcile retaining wall volumes with overall DTM difference because proposed DTM doesn't fully model wall	n/a	n/a	144	varies	27	1.0	0%	1.0
6.1	Play Surface to Grass	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	1161	1.42	1645	60.9	0%	60.9
6.2	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	1161	varies	-1177	-43.6	0%	-43.6
6.3	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1161	-0.50	-581	-21.5	0%	-21.5

7.1	Play Surface to Grass (outside DTM)	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	1436	1.42	2034	75.3	0%	75.3
7.2	Play Surface to Grass (outside DTM)	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	ExPlayFilled-6in	1436	varies	-1496	-55.4	0%	-55.4
7.3	Play Surface to Grass (outside DTM)	Topsoil Place	Place 6in topsoil	n/a	n/a	1436	-0.50	-718	-26.6	0%	-26.6
8.1	Play Surface to Play Surface	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	2573	1.42	3645	135.0	0%	135.0
8.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-7in	2573	varies	1	0.0	0%	0.0
8.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-7in	2573	varies	-2245	-83.1	0%	-83.1
8.4	Play Surface to Play Surface	Play Surface Place	Place 9in uncompacted rubber chips (expected to compact to 7in)	n/a	n/a	2573	-0.58	-1501	-55.6	29%	-71.5
9.1	Play Surface to Timbers	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	32	1.42	45	1.7	0%	1.7
9.2	Play Surface to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	32	varies	3	0.1	0%	0.1
9.3	Play Surface to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	32	varies	-5	-0.2	0%	-0.2
9.4	Play Surface to Timbers	Border Timbers Place (placeholder volume)	Place border timbers (12in tall). Placeholder volume to balance volume comps	n/a	n/a	32	-1.00	-32	-1.2	0%	-1.2
10.1	Play Surface to Wall	Play Surface Excavate	Remove est. 17in pea gravel	n/a	n/a	9	1.42	13	0.5	0%	0.5
10.2	Play Surface to Wall	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	982.71ft	9	varies	2	0.1	0%	0.1
10.3	Play Surface to Wall	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	982.71ft	9	varies	0	0.0	0%	0.0
10.4	Play Surface to Wall	Gravel (Wall) Place	Place 12in wide gravel in back of wall up to play subgrade	n/a	n/a	9	-1.54	-14	-0.5	0%	-0.5
10.5	Play Surface to Wall	Wall Place (placeholder volume)	Place block retaining wall (placeholder volume to balance volume comps)	n/a	n/a	0	-1.79	0	0.0	0%	0.0
10.6	Play Surface to Wall	Play Surface Place	Place 9in uncompacted rubber chips (expected to compact to 7in)	n/a	n/a	9	-0.58	-5	-0.2	29%	-0.3
11.1	Adjust	Play Surface Place	Increase play surface by 1/2 of asphalt ramp gravel base volume = 1/2 x (2.25 ft x 9 ft x 7 in)	n/a	n/a	20	-0.29	-6	-0.2	0%	-0.2
11.2	Adjust	Subsoil Excavate	Increase subsoil excavate by 1/2 of asphalt ramp gravel base volume = 1/2 x (2.25 ft x 9 ft x 7 in)	n/a	n/a	20	0.29	6	0.2	0%	0.2

Arbor Hills Park Playground - Earthwork Quantities
City of Madison Public Works Contract
Date Revised: 2/3/2015

Derived from more detailed spreadsheet available from Parks Div

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

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
(placeholder volume)	1.0
Asphalt Place	-6.4
Border Timbers Place (placeholder volume)	-2.1
Gravel (Path) Place	-28.6
Gravel (Wall) Place	-6.9
Play Surface Excavate	273.4
Play Surface Place	-85.2
Subsoil Excavate	15.0
Subsoil Place	-191.3
Topsoil Excavate	42.6
Topsoil Place	-62.3
Wall Place (placeholder volume)	-4.0
Grand Total	-55.9

Net subsoil	-176 cu yd
Net topsoil	-20 cu yd
Net topsoil & subsoil	-196 cu yd

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	58	CY	= Subsoil Excavate + Topsoil Excavate
20103 Excavation Cut - Pea Gravel	273	CY	= Play Surface Excavate
20201 Fill	-176	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	373	SY	= (Topsoil Place) - 167
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	57	tons	= (Gravel Place) * 2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	18.2	tons	= Asphalt Place * 2.16 ton/cubic yard
90004 Playground Surfacing - Rubber	94	CY	= Play Surface Place * -1.10

City of Madison
Department of Public Works

PARKS DIVISION

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PO Box 2987
Madison, WI 53701-2987

play
MADISON PARKS

PROJECT:

**2015
PLAYGROUND
IMPROVEMENTS
- GROUP 2**

**ARBOR HILLS PARK
3109 PELHAM RD
MADISON, WI 53713**

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ITEM DATE
Drawn by: SCL 03-06-2015

PUBLIC WORKS PROJECT #:

7493

SHEET TITLE:

**DESIGN
COMPUTATIONS**

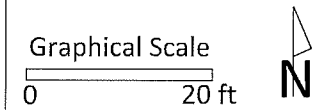
SHEET NUMBER:

1.6

1.) DESIGN GRADES MEET AMERICAN WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN. CONTRACTOR MUST COMPLY WITH DESIGN GRADES.

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PARKS DIVISION
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play
**MADISON
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PROJECT:
 2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2

ARBOR HILLS PARK
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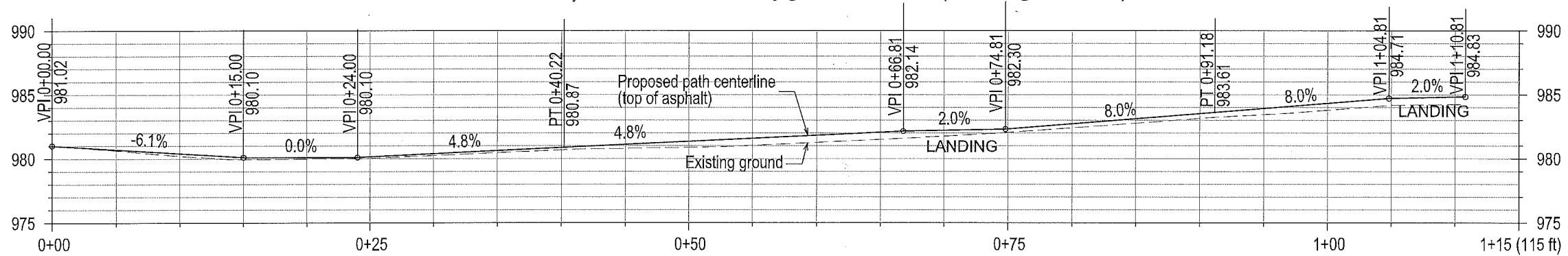
ITEM	DATE
Drawn by: DR	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
**PATH HORIZONTAL
 ALIGNMENT**

SHEET NUMBER:
1.5

Arbor Hills Park Playground Path (looking to east)



EDGE OF PLAYGROUND BORDER TIMBERS AND RETAINING WALL: 985.00
 ELEVATION OF FINISHED PLAYGROUND SURFACE: 984.83 (ASSUMES 2" OF
 COMPACTION. CONTRACTOR SHALL INSTALL RUBBER MULCH TO 985.00)
 PLAYGROUND SUBGRADE ELEVATION: 984.25
 ASPHALT AT PLAYGROUND ELEVATION: 984.83

PELHAM RD

SEE SHEET 1.5 FOR
 PROPOSED PATH
 HORIZONTAL ALIGNMENT

ARBOR HILLS PARK













EXISTING BURIED
 BOULDER DEPTH
 UNKNOWN, TYP.

LANDING

LANDING

existing
 regular swings

LEGEND

-  PRO. SPOT EL.
-  PRO. ASPHALT
-  PRO. RUBBER MULCH
-  PRO. EROSION MATTING
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. GRADING EXTENTS
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  PRO. CONTOUR (INDEX)
-  PRO. CONTOUR (INTER.)
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

NOTES

- 1.) PLACE 4 OZ. PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE PLAYGROUND SUBGRADE PER DETAIL 8.2.
- 2.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED IN PLANS.
- 3.) DESIGN GRADES MEET AMERICAN WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN. CONTRACTOR MUST COMPLY WITH DESIGN GRADES.

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play
**MADISON
 PARKS**

Graphical Scale
 0 20 ft



PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**ARBOR HILLS PARK
 3109 PELHAM RD
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ITEM	DATE
Drawn by:	03-06-2015
Approved by:	XX-XX-XXXX

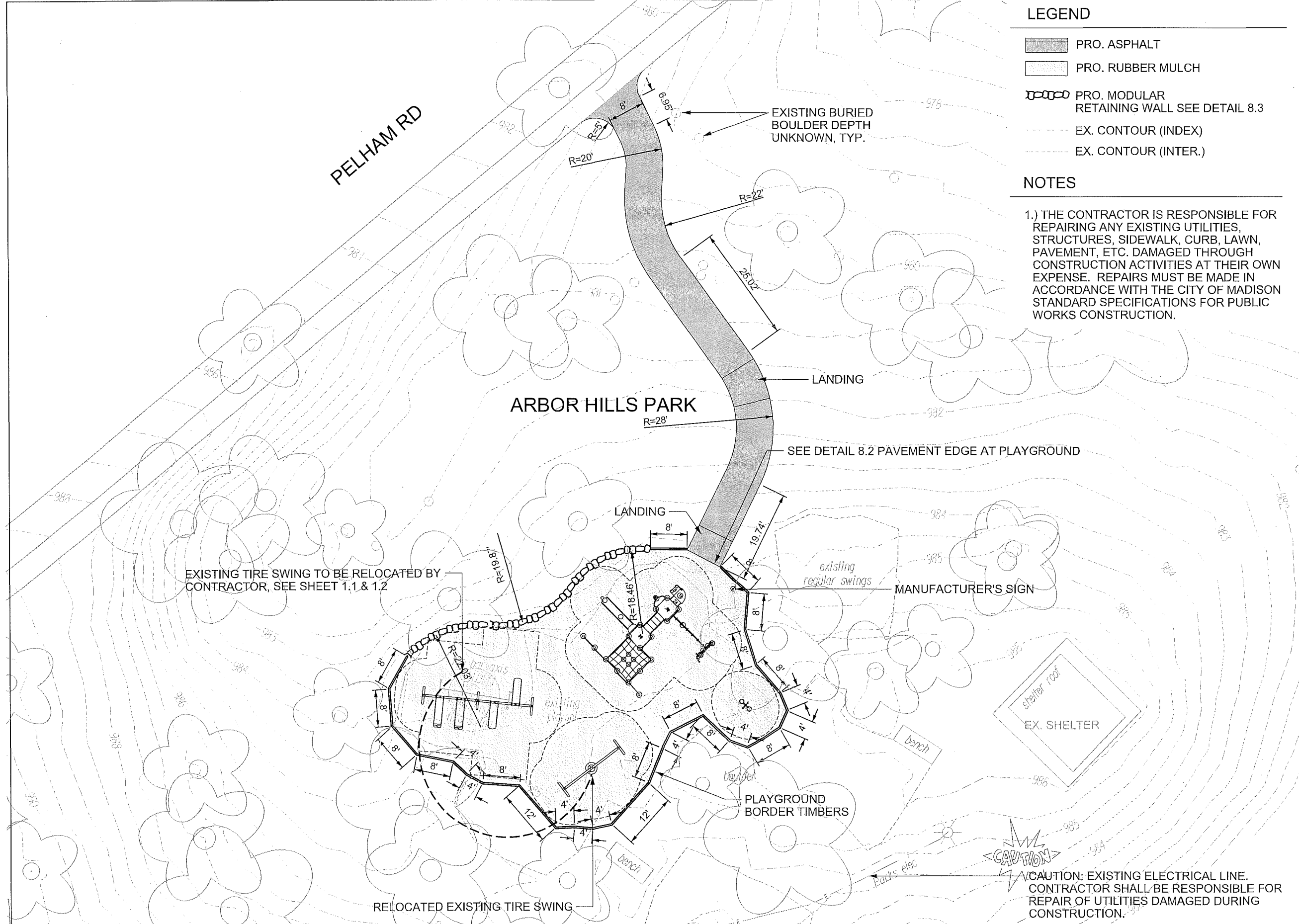
PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
1.4



CAUTION: EXISTING ELECTRICAL LINE.
 CONTRACTOR SHALL BE RESPONSIBLE FOR
 REPAIR OF UTILITIES DAMAGED DURING
 CONSTRUCTION.



LEGEND

- PRO. ASPHALT
- PRO. RUBBER MULCH
- PRO. MODULAR RETAINING WALL SEE DETAIL 8.3
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

NOTES

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play
MADISON
PARKS

Graphical Scale
 0 20 ft



PROJECT:
2015
PLAYGROUND
IMPROVEMENTS
- GROUP 2

ARBOR HILLS PARK
3109 PELHAM RD
MADISON, WI 53713

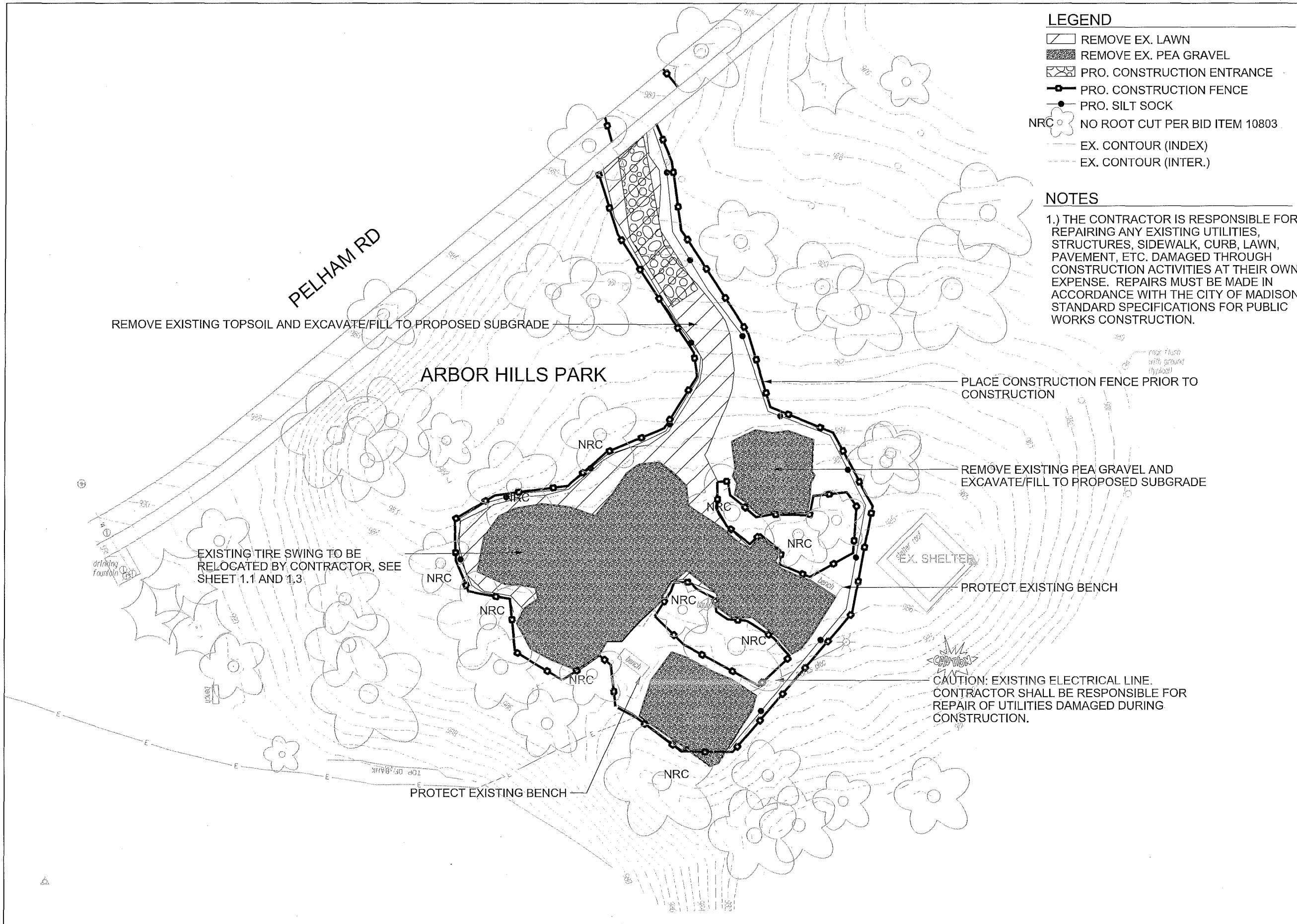
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ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
1.3



LEGEND

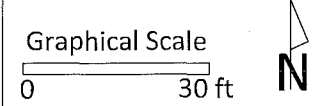
- REMOVE EX. LAWN
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- PRO. CONSTRUCTION FENCE
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- NRC NO ROOT CUT PER BID ITEM 10803
- EX. CONTOUR (INDEX)
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play
MADISON PARKS



PROJECT:
2015 PLAYGROUND IMPROVEMENTS - GROUP 2

ARBOR HILLS PARK
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 MADISON, WI 53713

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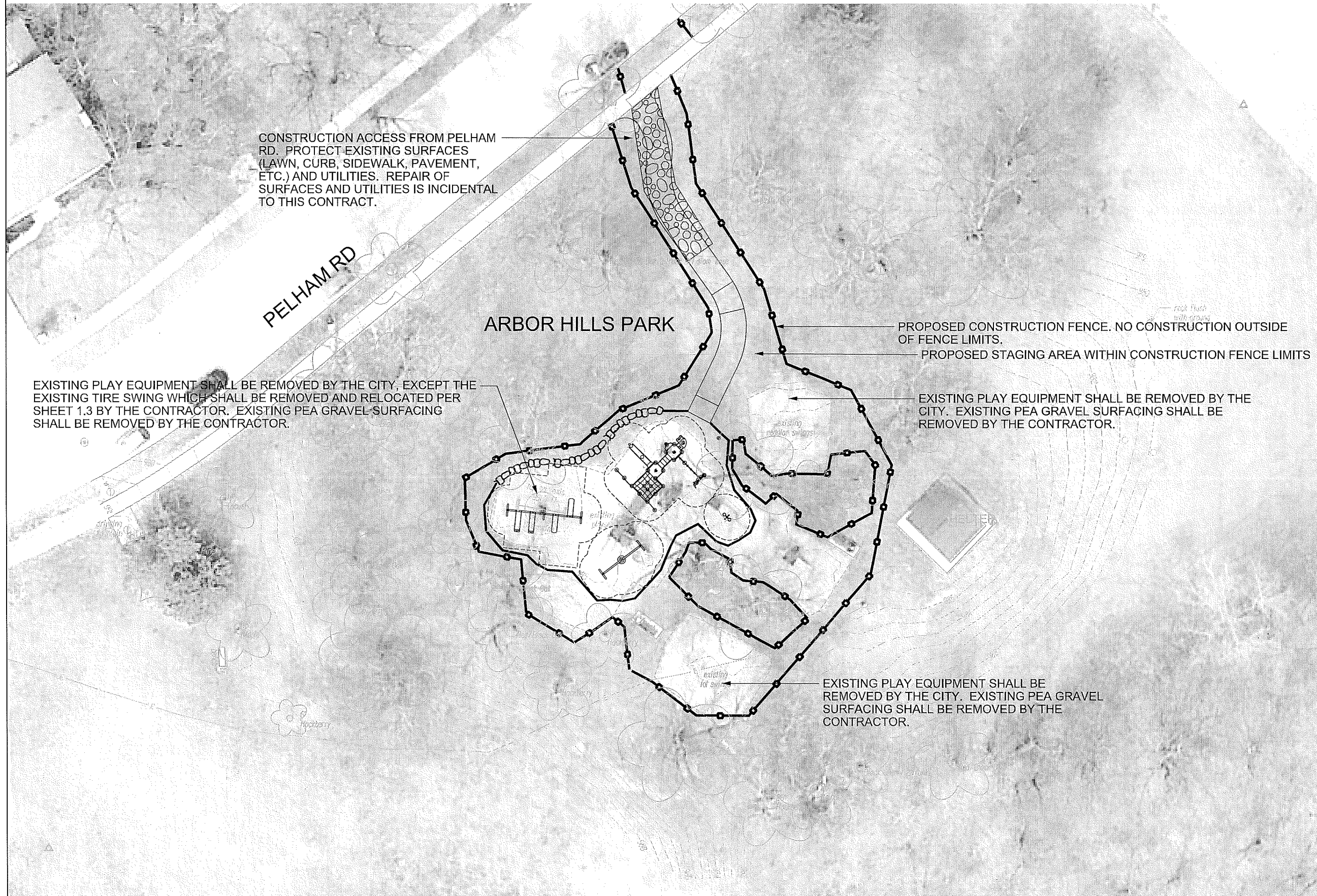
ITEM	DATE
Drawn by: SCL	03-06-2015

PUBLIC WORKS PROJECT #:
7493

SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
1.2

NOTE:
 1. SITE IS HEAVILY WOODED, THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO ENSURE EXISTING TREES ARE PROTECTED. TREE PROTECTION (NO ROOT CUT BID ITEMS) HAVE BEEN ADDED TO THIS CONTRACT. THE CONTRACTOR SHALL NOT DRIVE OUTSIDE OF CONSTRUCTION FENCE LIMITS.



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**

Graphical Scale
 0 30 ft

PROJECT:
**2015
 PLAYGROUND
 IMPROVEMENTS
 - GROUP 2**

**ARBOR HILLS PARK
 3109 PELHAM RD
 MADISON, WI 53713**

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ITEM	DATE
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PUBLIC WORKS PROJECT #:
7493

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

SHEET NUMBER:
1.1

SHEET SCHEDULE

- 1.1 ARBOR HILLS PARK - PROJECT LOCATION AND SITE ACCESS
- 1.2 ARBOR HILLS PARK - DEMOLITION AND PROTECTION PLAN
- 1.3 ARBOR HILLS PARK - SITE PLAN
- 1.4 ARBOR HILLS PARK - GRADING AND EROSION CONTROL PLAN
- 1.5 ARBOR HILLS PARK - PATH HORIZONTAL ALIGNMENT
- 1.6 ARBOR HILLS PARK - DESIGN COMPUTATIONS

- 2.1 BADGER PARK - PROJECT LOCATION AND SITE ACCESS
- 2.2 BADGER PARK - DEMOLITION AND PROTECTION PLAN
- 2.3 BADGER PARK - SITE PLAN
- 2.4 BADGER PARK - GRADING AND EROSION CONTROL PLAN
- 2.5 BADGER PARK - DESIGN COMPUTATIONS

- 3.1 BERNIE'S BEACH PARK - PROJECT LOCATION AND SITE ACCESS
- 3.2 BERNIE'S BEACH PARK - DEMOLITION AND PROTECTION PLAN
- 3.3 BERNIE'S BEACH PARK - SITE PLAN
- 3.4 BERNIE'S BEACH PARK - GRADING AND EROSION CONTROL PLAN
- 3.5 BERNIE'S BEACH PARK - DESIGN COMPUTATIONS

SHEET SCHEDULE (CONTINUED)

- 4.1 DEMETRAL PARK - PROJECT LOCATION AND SITE ACCESS
- 4.2 DEMETRAL PARK - DEMOLITION AND PROTECTION PLAN
- 4.3 DEMETRAL PARK - SITE PLAN
- 4.4 DEMETRAL PARK - GRADING AND EROSION CONTROL PLAN
- 4.5 DEMETRAL PARK - DESIGN COMPUTATIONS

- 5.1 JUNCTION RIDGE PARK - PROJECT LOCATION AND SITE ACCESS
- 5.2 JUNCTION RIDGE PARK - DEMOLITION AND PROTECTION PLAN
- 5.3 JUNCTION RIDGE PARK - SITE PLAN
- 5.4 JUNCTION RIDGE PARK - GRADING AND EROSION CONTROL PLAN
- 5.5 JUNCTION RIDGE PARK - DESIGN COMPUTATIONS

- 6.1 SUNRIDGE PARK - PROJECT LOCATION AND SITE ACCESS
- 6.2 SUNRIDGE PARK - DEMOLITION AND PROTECTION PLAN
- 6.3 SUNRIDGE PARK - SITE PLAN
- 6.4 SUNRIDGE PARK - GRADING AND EROSION CONTROL PLAN
- 6.5 SUNRIDGE PARK - DESIGN COMPUTATIONS

SHEET SCHEDULE (CONTINUED)

- 7.1 TENNEY PARK - PROJECT LOCATION AND SITE ACCESS
- 7.2 TENNEY PARK - DEMOLITION AND PROTECTION PLAN
- 7.3 TENNEY PARK - SITE PLAN
- 7.4 TENNEY PARK - GRADING AND EROSION CONTROL PLAN
- 7.5 TENNEY PARK - DESIGN CALCULATIONS

- 8.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN
- 8.2 PAVEMENT EDGE AT PLAYGROUND
- 8.3 MODULAR BLOCK RETAINING WALL

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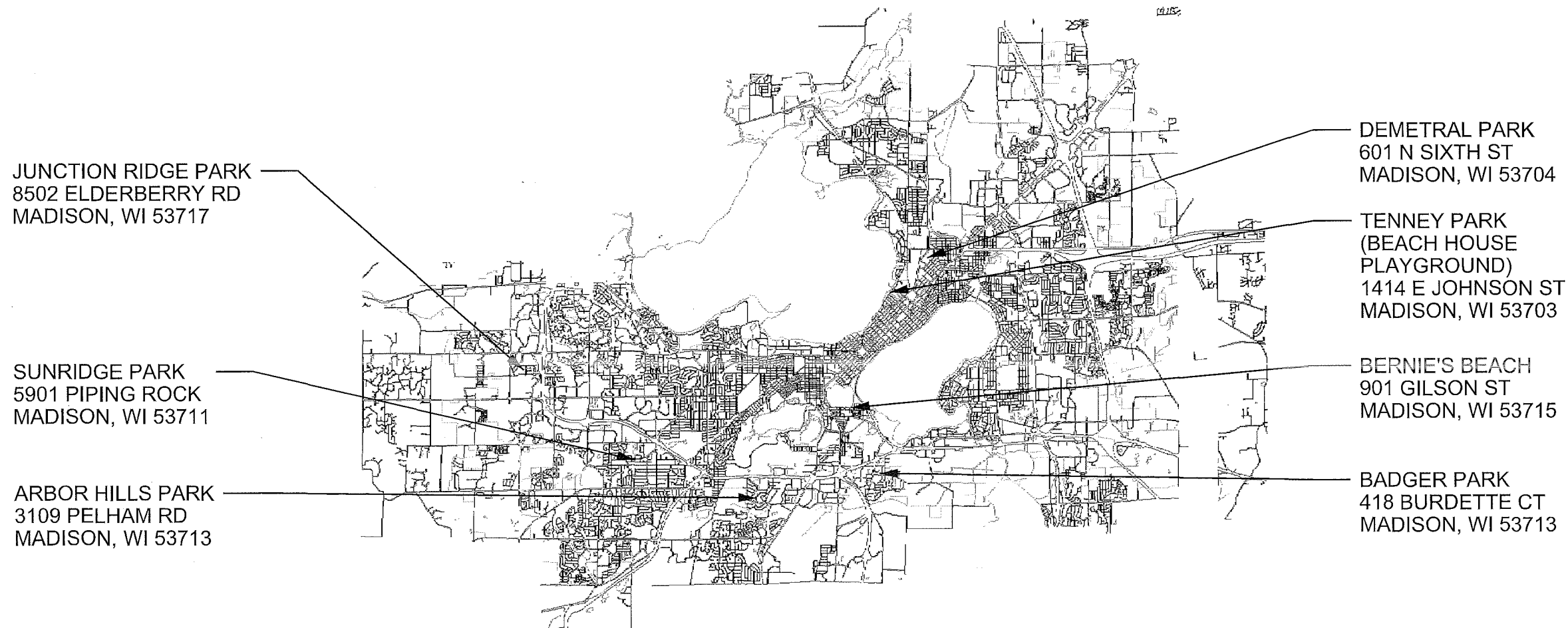
play
**MADISON
PARKS**



PROJECT:

*2015 PARK
PLAYGROUNDS -
GROUP 2*

**2015 PARK PLAYGROUNDS - GROUP 2
CONTRACT 7493**



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PUBLIC WORKS PROJECT #:
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SHEET TITLE:

SHEET NUMBER: