



Department of Public Works
City Engineering Division

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Operations Supervisor
Kathleen M. Cryan

Mapping Section Manager
Eric T. Pederson

Financial Officer
Steven B. Danner-Rivers

Hydrogeologist
Brynn Bemis

July 10, 2013

NOTICE OF ADDENDUM
ADDENDUM NO. 1
2013 PARK PLAYGROUND IMPROVEMENTS
CONTRACT NO. 7130

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

PLANS

- Replace **COVER SHEET** of the **PLANS** with revised **COVER SHEET** dated July 9, 2013.
- Replace **Sheet 1.3** of the **PLANS** with revised **Sheet 1.3** dated July 9, 2013 and discard old sheet. The sheet is updated to include playground equipment name designations for **BID ITEMS 90007-90011**.
- **Replace Sheet 1.4**
- **Replace Sheet 2.2**
- **Replace Sheet 2.4**
- **Replace Sheet 2.5**
- **Replace Sheet 3.2**
- **Replace Sheet 3.4**
- **Replace Sheet 4.3**
- **Replace Sheet 4.6**
- **Replace Sheet 4.7**
- **Replace Sheet 5.2**
- **Add Sheet 5.3**

PROPOSAL

- Adjust Quantity of BID ITEM 20101 - EXCAVATION CUT from 265.5 cy to 267.5 cy
- Adjust Quantity of BID ITEM 20201 - FILL BORROW from 408.7 cy to 414.7 cy
- Adjust Quantity of BID ITEM 90006 - PLAYGROUND EQUIPMENT INSTALLATION from 4.0 to 3.0 units
- Add BID ITEM 90007 - NAKOMA PARK OZONE CLIMBING STRUCTURE INSTALLATION - 1 lump sum
- Add BID ITEM 90008 - NAKOMA PARK HEMISPHERE CLIMBING STRUCTURE INSTALLATION - 1 lump sum
- Add BID ITEM 90009 - NAKOMA PARK 2-5 CLIMBING STRUCTURE INSTALLATION - 1 lump sum
- Add BID ITEM 90010 - NAKOMA PARK 5-12 SWINGS INSTALLATION - 1 lump sum

- Add BID ITEM 90011 - NAKOMA PARK 2-5 SWINGS INSTALLATION – 1 lump sum

SPECIAL PROVISIONS

- Add the following paragraph on page D-1 of **Section D: Special Provisions:**

Article 103 – AWARD AND EXECUTION OF THE CONTRACT

Prior to award of this contract by the Board of Public Works on July 24, 2013, the Contractor must provide proof of previous experience installing playgrounds. The Contractor must provide references for installation of a minimum of 5 playgrounds. If the Contractor is hiring a sub contractor for the playground installation component of this project, the Contractor must provide proof of the sub contractor's experience installing a minimum of 5 playgrounds.

If the Contractor does not provide proof of experience 5 days prior to award at the Board of Public Works on 7/24/2013 this contract will be awarded to the next lowest bidder that meets this requirement.

- Revise page D-4 of **Section D: SPECIAL PROVISIONS** as follows: Under **SECTION 107.7 MAINTENANCE OF TRAFFIC, Reservoir Park**,

DELETE: Traffic Control shall be measured as a lump sum. Payment for the Traffic Control is full compensation for constructing, assembling, hauling, erecting, re-erecting, maintaining, restoring, and removing non permanent traffic signs, drums, barricades, and similar control devices, including arrow boards, for providing, placing, and maintaining work zone. Maintaining shall include replacing damaged or stolen traffic control devices. Contractor shall supply all necessary mounting hardware and supports for signing. This shall also include covering and uncovering any conflicting signs during the project. Contractor shall display all signing so as to be easily viewed by all users. Contractor shall mount traffic control on posts or existing poles or drive posts whenever possible. Existing poles may be used with approval of Construction Engineer. Contractor shall inspect traffic control daily to insure all traffic control remains in place during the project.”

- Revise page D-4 of **Section D: SPECIAL PROVISIONS** as follows: Under **SECTION 107.7 Maintenance of Traffic, Reservoir Park**

ADD: The Contractor shall coordinate traffic control with the Booster Station construction project, in the event that the two projects overlap in time frame.

- Revise page D-4 of **Section D: SPECIAL PROVISIONS** as follows: Under **SECTION 107.7 Maintenance of Traffic, Reservoir Park**

Revise second to last paragraph to read, “Contractor SHALL NOT OCCUPY any other portions of the Street Right of Way at any time.”

- Revise page D-8 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 10701 – TRAFFIC CONTROL, BASIS OF PAYMENT** replace “Project Manager” with “Engineer.”

- Revise page D-9 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 20101 – EXCAVATION CUT, DESCRIPTION** replace “playground surface depth of 14” with “playground surface depth of 14” for Reynolds, Reindahl, and Nakoma Parks, and a depth of 12” for Worthington Park.”
- Revise page D-10 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 20101 – EXCAVATION CUT, DESCRIPTION** replace “excavation of fourteen (14) inches of existing playground surfacing” with “excavation of fourteen (14) inches playground surfacing for Reynolds, Reindahl, and Nakoma Parks, and excavation of twelve (12) inches playground surfacing for Worthington Park.””
- Revise page D-10 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 20101 – EXCAVATION CUT, DESCRIPTION** replace “or nine (9) inches of playground surfacing” with “or eight (8) inches of playground surfacing.”
- Revise page D-15 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 21024 – SILT SOCK (12 INCH) - COMPLETE, DESCRIPTION, Nakoma Park**, replace “xxx linear feet” with “100 linear feet.”
- Revise page D-15 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 21024 – SILT SOCK (12 INCH) - COMPLETE, DESCRIPTION, Worthington Park**, replace “xxx linear feet” with “100 linear feet.”
- Revise page D-19 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 90002 – PARK BENCH INSTALLATION**, add “**Park benches will be purchased by the City of Madison and ordered for delivery from the vendor to the Contractor’s pre-determined receiving location. The Contractor will provide equipment and labor for off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.**”
- Revise page D-21 of **Section D: SPECIAL PROVISIONS** as follows: Under **BID ITEM 90006 – PLAYGROUND EQUIPMENT INSTALLATION**, replace the **METHOD OF MEASUREMENT** with the following text:

METHOD OF MEASUREMENT

Playground Equipment Installation shall be measured by lump sum per each park playground site for the following parks:

Worthington Park
Reservoir Park
Reindahl Park

See bid items 90007-90011 for the Nakoma Park playground equipment installation.

- **ADD BID ITEM 90007 NAKOMA PARK OZONE CLIMBING STRUCTURE INSTALLATION**

BID ITEM 90007 NAKOMA PARK OZONE CLIMBING STRUCTURE
INSTALLATION

All play equipment will 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 will provide equipment and labor for off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.

All installation of equipment shall adhere and conform to the installation specifications as provided by the manufacturer, and will be further inspected by the City of Madison Playground Construction Inspector 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. Installation specifications are provided within this contract book. Actual layout of play system and components to be installed will comply with that shown in the plans and be confirmed in the field by the City of Madison Playground Construction Inspector and City of Madison Parks Surveyor. **The playground shall be installed at the correct elevations as specified by the playground manufacturer and installation specifications to meet required elevations based on the playground surfacing finished elevations as indicated on the plans.**

The Contractor shall contact Kevin Boehm, Playground Construction Inspector at 267-8805 prior to installation to coordinate exact date for playground installation.

The Contractor shall contact Dan Rodman, Parks Surveyor at 209-7012 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

Nakoma Park Ozone Climbing Structure Installation shall be measured by lump sum for the installation of the following features:

- 179188 Evos Arch (2)
- 156448 Ozone Climber
- 160252 Balance Winder
- 160254 Overhead Trekker
- 156464 Podstomper
- 182865 Rush Slide

BASIS OF PAYMENT

Nakoma Park Ozone Climbing Structure Installation shall be paid at the contract unit price for work described above and shall include all work, materials, labor and incidentals.

- **ADD BID ITEM 90008 NAKOMA PARK HEMISPHERE CLIMBING STRUCTURE INSTALLATION**

BID ITEM 90008 NAKOMA PARK HEMISPHERE CLIMBING STRUCTURE
INSTALLATION

All play equipment will 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 will provide equipment and labor for off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.

All installation of equipment shall adhere and conform to the installation specifications as provided by the manufacturer, and will be further inspected by the City of Madison Playground Construction Inspector 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. Installation specifications are provided within this contract book. Actual layout of play system and components to be installed will comply with that shown in the plans and be confirmed in the field by the City of Madison Playground Construction Inspector and City of Madison Parks Surveyor. **The playground shall be installed at the correct elevations as specified by the playground manufacturer and installation specifications to meet required elevations based on the playground surfacing finished elevations as indicated on the plans.**

The Contractor shall contact Kevin Boehm, Playground Construction Inspector at 267-8805 prior to installation to coordinate exact date for playground installation.

The Contractor shall contact Dan Rodman, Parks Surveyor at 209-7012 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

Nakoma Park Hemisphere Climbing Structure Installation shall be measured by lump sum for the installation of the following features:

171626 Evos Arch w/ Hemisphere Climber

182180 Surf Slide

156459 Gyro Twister

BASIS OF PAYMENT

Nakoma Park Hemisphere Climbing Structure Installation shall be paid at the contract unit price for work described above and shall include all work, materials, labor and incidentals.

- **ADD BID ITEM 90009 NAKOMA PARK 2-5 CLIMBING STRUCTURE INSTALLATION**

BID ITEM 90009 NAKOMA PARK 2-5 CLIMBING STRUCTURE
INSTALLATION

All play equipment will 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 will provide equipment and labor for off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.

All installation of equipment shall adhere and conform to the installation specifications as provided by the manufacturer, and will be further inspected by the City of Madison Playground Construction Inspector 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. Installation specifications are provided within this contract book. Actual layout of play system and components to be installed will comply with that shown in the plans and be confirmed in the field by the City of Madison Playground Construction Inspector and City of Madison Parks Surveyor. **The playground shall be installed at the correct elevations as specified by the playground manufacturer and installation specifications to meet required elevations based on the playground surfacing finished elevations as indicated on the plans.**

The Contractor shall contact Kevin Boehm, Playground Construction Inspector at 267-8805 prior to installation to coordinate exact date for playground installation.

The Contractor shall contact Dan Rodman, Parks Surveyor at 209-7012 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

Nakoma Park 2-5 Climbing Structure Installation shall be measured by lump sum for the installation of the following features:

- 152432 ABC Climber
- 179225 Square Poly Roof
- 132155 Double Poly Slide
- 139262 Loop Arch
- 153020 Curved Transfer Module
- 135346 Pod Climber w/ Handles
- 111288 Driver Panel
- 111348 Arch Bridge

BASIS OF PAYMENT

Nakoma Park 2-5 Climbing Structure Installation shall be paid at the contract unit price for work described above and shall include all work, materials, labor and incidentals.

- **ADD BID ITEM 90010 NAKOMA PARK 5-12 SWINGS INSTALLATION**

BID ITEM 90010 NAKOMA PARK 5-12 SWINGS INSTALLATION

All play equipment will 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 will provide equipment and labor for off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.

All installation of equipment shall adhere and conform to the installation specifications as provided by the manufacturer, and will be further inspected by the City of Madison Playground Construction Inspector 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. Installation specifications are provided within this contract book. Actual layout of play system and components to be installed will comply with that shown in the plans and be confirmed in the field by the City of Madison Playground Construction Inspector and City of Madison Parks Surveyor. **The playground shall be installed at the correct elevations as specified by the playground manufacturer and installation specifications to meet required elevations based on the playground surfacing finished elevations as indicated on the plans.**

The Contractor shall contact Kevin Boehm, Playground Construction Inspector at 267-8805 prior to installation to coordinate exact date for playground installation.

The Contractor shall contact Dan Rodman, Parks Surveyor at 209-7012 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

Nakoma Park 5-12 Swings Installation shall be measured by lump sum for the installation of the following features:

177330 5" Arch Swing
177351 Arch Swing Additional Bay
174018 Belt Seat (4)

BASIS OF PAYMENT

Nakoma Park 5-12 Swings Installation shall be paid at the contract unit price for work described above and shall include all work, materials, labor and incidentals.

- **ADD BID ITEM 90011 NAKOMA PARK 2-5 SWINGS INSTALLATION**

BID ITEM 90011 NAKOMA PARK 2-5 SWINGS INSTALLATION

All play equipment will 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 will provide equipment and labor for off-loading as needed. Contractor is responsible for securing all deliveries and insuring the completeness of the order prior to installation.

All installation of equipment shall adhere and conform to the installation specifications as provided by the manufacturer, and will be further inspected by the City of Madison Playground Construction Inspector 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. Installation specifications are provided within this contract book. Actual layout of play system and components to be installed will comply with that shown in the plans and be confirmed in the field by the City of Madison Playground Construction Inspector and City of Madison Parks Surveyor. **The playground shall be installed at the correct elevations as specified by the playground manufacturer and installation specifications to meet required elevations based on the playground surfacing finished elevations as indicated on the plans.**

The Contractor shall contact Kevin Boehm, Playground Construction Inspector at 267-8805 prior to installation to coordinate exact date for playground installation.

The Contractor shall contact Dan Rodman, Parks Surveyor at 209-7012 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

Nakoma Park 2-5 Swings Installation shall be measured by lump sum for installation of the following features:

177340 Arch Swings

176038 Full Bucket Seat (2)

BASIS OF PAYMENT

Nakoma Park 2-5 Swings Installation shall be paid at the contract unit price for work described above and shall include all work, materials, labor and incidentals.

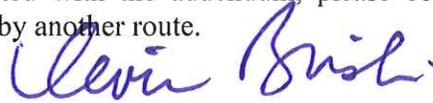
July 10, 2013

Page 9

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

Electronic version of these documents can be found on Bid Express at <https://www.bidexpress.com>.

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



Kevin Briski, Parks Superintendent

SHEET SCHEDULE

- 1.1 NAKOMA PARK - PROJECT LOCATION AND SITE ACCESS
- 1.2 NAKOMA PARK - DEMOLITION AND PROTECTION PLAN
- 1.3 NAKOMA PARK - SITE PLAN
- 1.4 NAKOMA PARK - GRADING, DRAINAGE & EROSION CONTROL PLAN
- 1.5 NAKOMA PARK - DESIGN COMPUTATIONS

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

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

SHEET SCHEDULE (CONTINUED)

- 4.1 WORTHINGTON PARK - PROJECT LOCATION AND SITE ACCESS
- 4.2 WORTHINGTON PARK - DEMOLITION AND PROTECTION PLAN - PLAYGROUND
- 4.3 WORTHINGTON PARK - DEMOLITION AND PROTECTION PLAN - PATH
- 4.4 WORTHINGTON PARK - SITE PLAN - PLAYGROUND
- 4.5 WORTHINGTON PARK - SITE PLAN - PATH
- 4.6 WORTHINGTON PARK - GRADING, DRAINAGE & EROSION CONTROL PLAN - PLAYGROUND
- 4.7 WORTHINGTON PARK - GRADING, DRAINAGE & EROSION CONTROL PLAN - PATH
- 4.8 WORTHINGTON PARK - DESIGN COMPUTATIONS

- 5.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN
- 5.2 ASPHALTY EDGE AT PLAYGROUND
- 5.3 BOULDER RETAINING WALL DETAIL

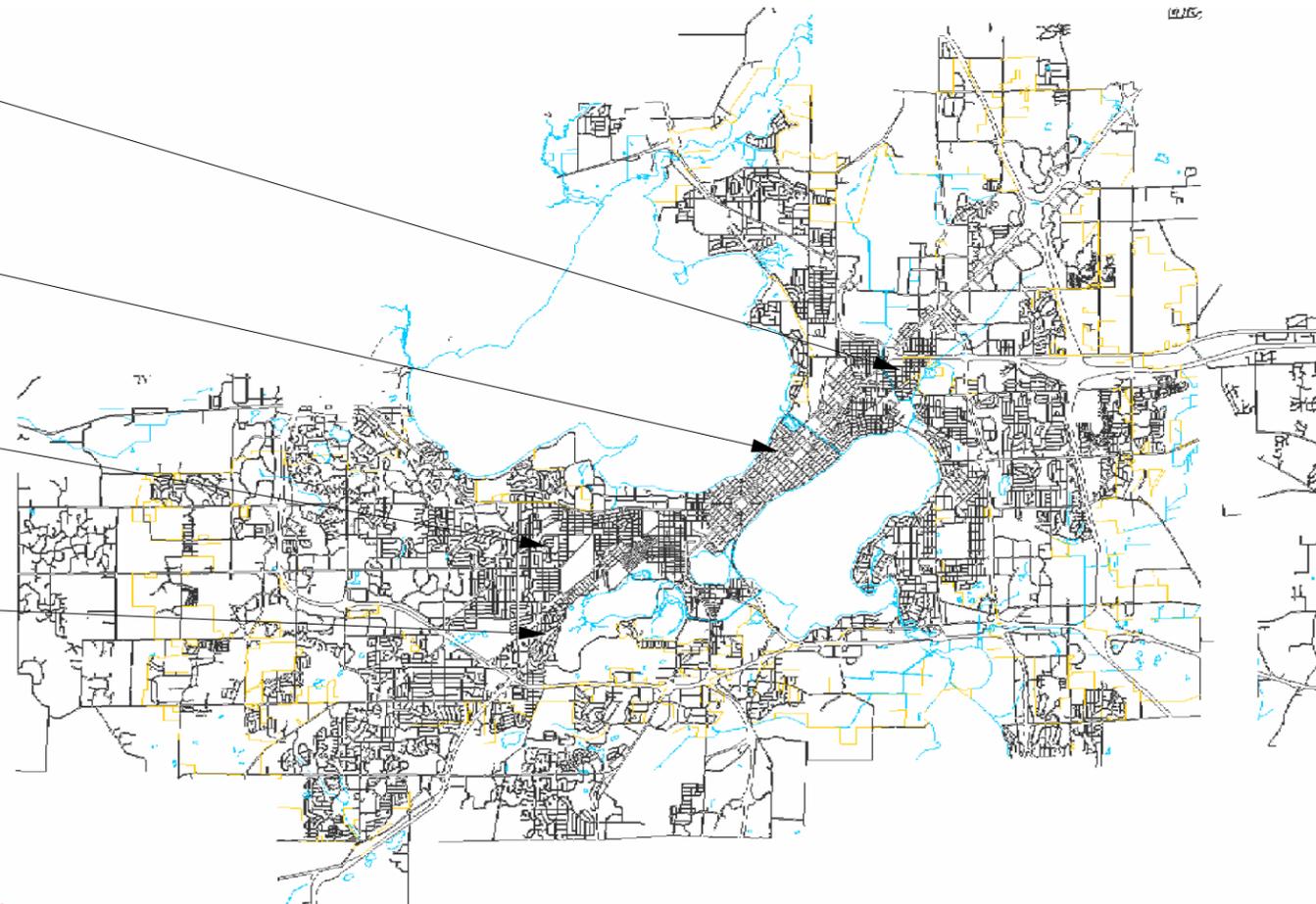
2013 PARK PLAYGROUND IMPROVEMENTS CONTRACT 7130

WORTHINGTON PARK
3102 WORTHINGTON AVENUE
MADISON, WI 53714

REYNOLDS PARK
810 EAST MIFFLIN STREET
MADISON, WI 53703

RESERVOIR PARK
126 GLENWAY STREET
MADISON, WI 53705

NAKOMA PARK
3801 CHEROKEE DRIVE
MADISON, WI 53711



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:

*2013 PARK
PLAYGROUND
IMPROVEMENTS*

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/MS	06-27-2013
Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:

SHEET NUMBER:

Graphical Scale

0 20 ft



PROJECT:

**NAKOMA PARK
PLAYGROUND**

**NAKOMA PARK
3801 CHEROKEE DR.
MADISON, WI**

Nakoma Park Playground 2013 Drain Tile Invert (Flowline) Elevations		
Point	Invert (ft)	Note
A1	882.14	
A2	881.86	
A3	881.82	
A4	881.69	OUTFALL
A5	881.97	
A6	882.14	
A7	882.14	
A8	882.14	
A9	882.00	
A10	881.91	
B1	882.14	
B2	882.00	
B3	881.96	
B4	881.88	OUTFALL
B5	882.14	
B6	882.14	

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: MS	07-03-13
Revised by: MRS	07-09-13

PUBLIC WORKS PROJECT #:

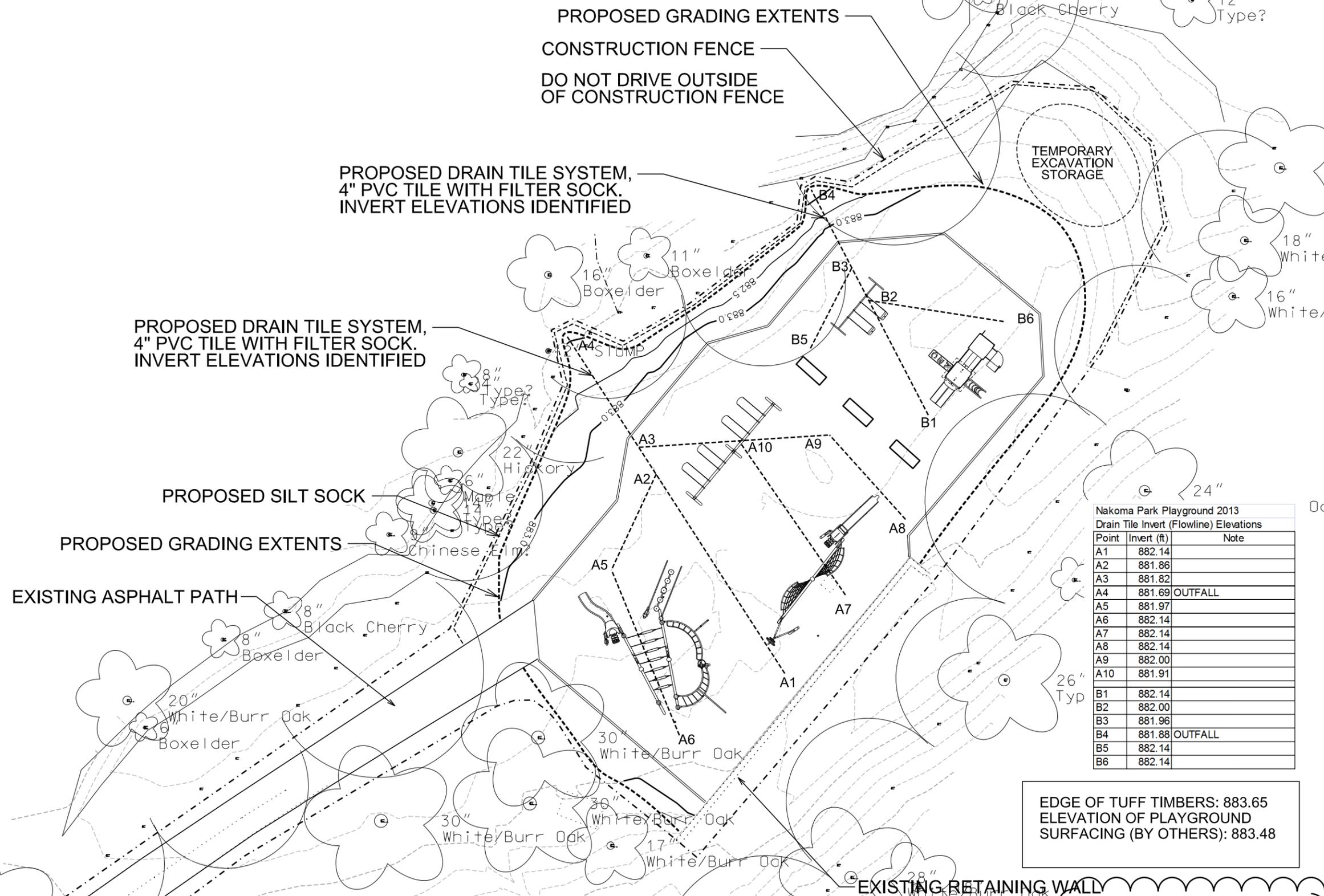
7130

SHEET TITLE:

**GRADING, DRAINAGE &
EROSION CONTROL
PLAN**

SHEET NUMBER:

1.4



NOTE:
1.) 4 OZ, PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE SUBGRADE AND DRAIN TILE SYSTEM PER DETAIL 5.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN.
2.) CONTRACTOR TO INSTALL DRAIN TILE SYSTEM, LANDSCAPE FABRIC, AND TO GRADE AREA FOR PLAYGROUND SURFACING TO PROPOSED SUBGRADES.
3.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED ON PLANS.

EDGE OF TUFF TIMBERS: 883.65
ELEVATION OF PLAYGROUND SURFACING (BY OTHERS): 883.48

NOTE:
1.) ALL EXISTING EQUIPMENT & PLAYGROUND SURFACING TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION.

NOTE:
PROTECT ALL EXISTING UTILITIES

PROTECT STORM OVERFLOW STRUCTURE

PLACE CONSTRUCTION FENCE AT GRADING EXTENTS
PRIOR TO CONSTRUCTION

REMOVE CONCRETE
CURB AND GUTTER

PROTECT EX. TREE (NO ROOT CUT)

PROTECT EXISTING TREE (NO ROOT CUT)

EXISTING
EXCAVATED
PLAYGROUND
SURFACING
(RESTORED
BY OTHERS)

CONTROL POINT
DRILL HOLE N RIM OF 4 MGE MHS
N=479357.69
E=806563.75
ELEV=1017.30

PROTECT EXISTING
CONCRETE PAD AND
DRINKING FOUNTAIN

REMOVE & RELOCATE
EXISTING BENCH TO
LOCATION SHOWN ON
SHEET 2.3

EXISTING PLAYGROUND
SURFACING TO BE
REMOVED BY CITY OF
MADISON TO 14" BELOW THE
EXISTING PLAYGROUND
SURFACE ELEVATION

PROTECT EXISTING TREE (NO ROOT CUT)

REMOVE EXISTING SOD &
TOPSOIL

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:

*2013 PARK
PLAYGROUND
IMPROVEMENTS*

*RESERVOIR PARK
126 GLENWAY STREET
MADISON, WI 53705*

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	06-27-2013
Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:
**DEMOLITION AND
PROTECTION PLAN**

SHEET NUMBER:
2.2

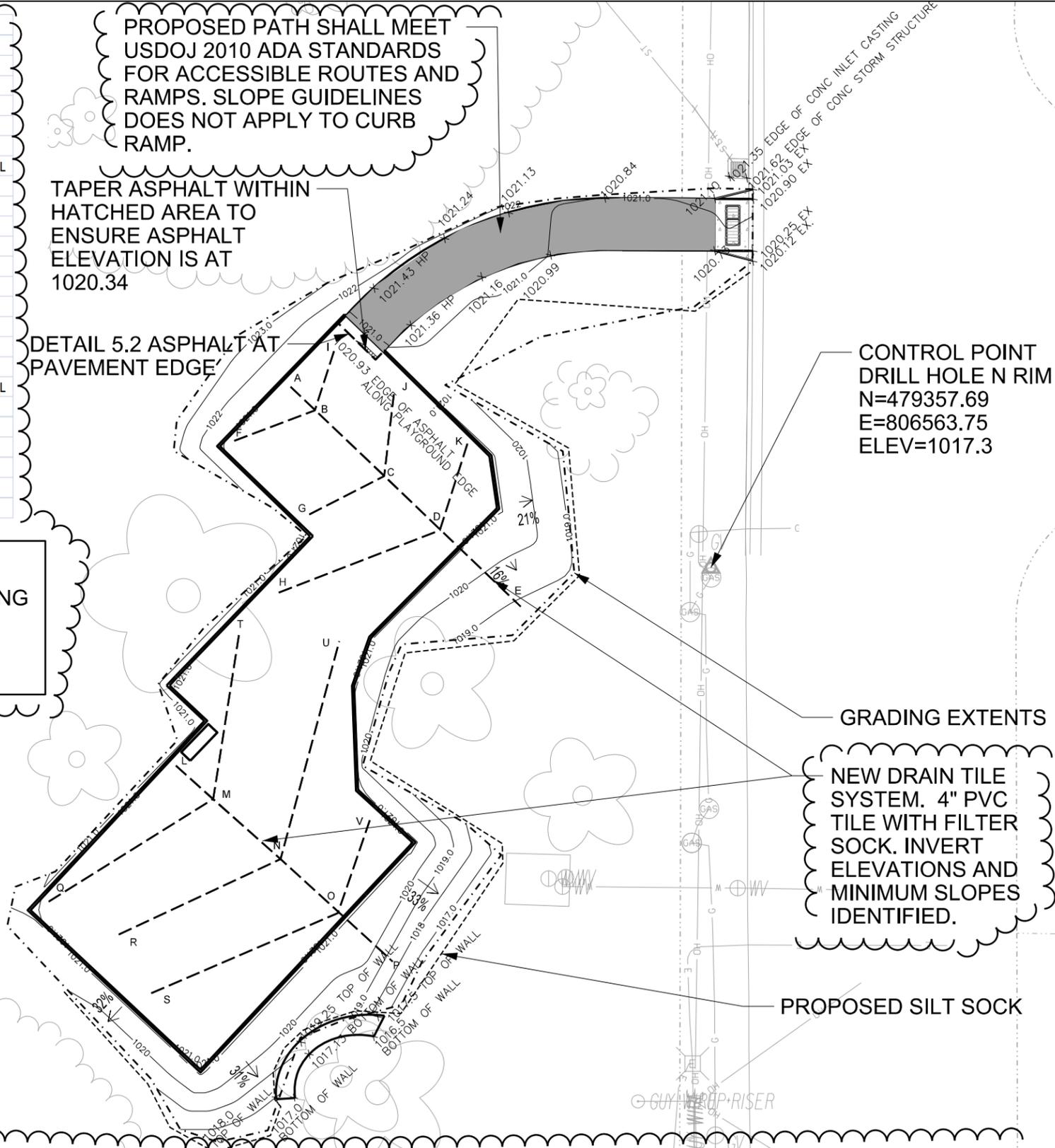
Drain Tile Lengths & Slopes from intersection to intersection				Reservoir Park Playground Drain Tile Invert (Flowline) Elevations		
From	To	Length (ft)	Slope (%)	Point	Invert (ft)	Note
A	B	5.18	-1.5	A	1019.67	
B	C	14.82	-1.5	B	1019.59	
C	D	11.87	-1.5	C	1019.37	
D	E	17.31	-1.5	D	1019.19	
F	B	13.32	-0.6	E	1018.95	OUTFALL
B	I	9.73	0.82	F	1019.67	
G	C	13.02	-0.54	G	1019.44	
C	J	12.69	0.47	H	1019.43	
H	D	26.7	-0.91	I	1019.67	
D	K	14.14	1.5	J	1019.43	
L	M	7.81	-1.96	K	1019.4	
M	N	13.85	-1.25	L	1019.67	
N	O	11.76	-1.5	M	1019.52	
O	P	11.76	-1.67	N	1019.35	
Q	M	30.24	-0.5	O	1019.17	
M	T	25.59	0.59	P	1018.99	OUTFALL
R	N	27.6	-0.5	Q	1019.67	
N	U	34.8	0.5	R	1019.49	
S	O	31.38	-0.5	S	1019.33	
O	V	15.17	0.5	T	1019.67	
				U	1019.52	
				V	1019.25	

PROPOSED PATH SHALL MEET USDOJ 2010 ADA STANDARDS FOR ACCESSIBLE ROUTES AND RAMPS. SLOPE GUIDELINES DOES NOT APPLY TO CURB RAMP.

TAPER ASPHALT WITHIN HATCHED AREA TO ENSURE ASPHALT ELEVATION IS AT 1020.34

DETAIL 5.2 ASPHALT AT PAVEMENT EDGE

EDGE OF TUFF TIMBERS: 1021.10
ELEVATION OF FINISHED PLAYGROUND SURFACING (BY OTHERS): 1020.93
SUBGRADE DEPTH: 1020.25



CONTROL POINT
DRILL HOLE N RIM OF 4 MGE MHS
N=479357.69
E=806563.75
ELEV=1017.3

GRADING EXTENTS

NEW DRAIN TILE SYSTEM. 4" PVC TILE WITH FILTER SOCK. INVERT ELEVATIONS AND MINIMUM SLOPES IDENTIFIED.

PROPOSED SILT SOCK

- NOTE:
- 1.) 4 OZ, PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE SUBGRADE AND DRAIN TILE SYSTEM PER DETAIL 5.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN.
 - 2.) MAT ALL SLOPES GREATER THAN 5:1 WITH EROSION CONTROL MATTING, CLASS I URBAN TYPE A.
 - 3.) CONTRACTOR TO INSTALL DRAIN TILE SYSTEM, LANDSCAPE FABRIC, AND TO GRADE AREA FOR PLAYGROUND SURFACING TO PROPOSED SUBGRADES.
 - 4.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED ON PLANS.

City of Madison
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PARKS DIVISION
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play
**MADISON
PARKS**

Graphical Scale
0 20 ft

PROJECT:
*2013 PARK
PLAYGROUND
IMPROVEMENTS*

*RESERVOIR PARK
126 GLENWAY STREET
MADISON, WI 53705*

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	06-27-2013
Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:
7130

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

SHEET NUMBER:
2.4

Reservoir Park Playground Improvements

City of Madison, WI Public Works Contract #7130
Date Revised: 7/9/2013

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.

Area ID# groups

CO	Turf to Concrete	CO
GR	Turf to Gravel	GR
AS	Asphalt	AS
PP	Playground to Playground	PP
PT	Playground to Turf	PT
TP	Turf to Playground	TP
TT	Turf to Turf	TT
TB	Turf to Border Timbers	TB
PB	Playground to Border Timbers	PB
WA	Wall	WA

Grp	ID#	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)
CO			Topsoil Excavate		Remove top 4" of topsoil	50	0.34	17	0.6	0%	0.6
CO			Subsoil Excavate		Remove subsoil to within 13" of proposed grade	50	varies	6.5	0.2	0%	0.2
CO			Subsoil Place		Place subsoil to within 13" of proposed grade	50	varies	0.2	0.0	0%	0.0
CO			Gravel Place		Place 6" of compacted crushed aggregate base course	50	-0.50	-25	-0.9	0%	-0.9
CO			Concrete Place		Place 7" of concrete sidewalk	50	-0.58	-29.15	-1.1	0%	-1.1
GR			Topsoil Excavate		Remove top 4" of topsoil	87	0.34	29.58	1.1	0%	1.1
GR			Subsoil Excavate		Remove subsoil to within 9" of proposed grade	87	varies	67.3	2.5	0%	2.5
GR			Gravel Place		Place 6" depth of gravel	87	-0.50	-43.5	-1.6	0%	-1.6
GR			Topsoil Place		Place 3" of topsoil over gravel base	87	-0.25	-21.75	-0.8	0%	-0.8
AS			Topsoil Excavate		Remove top 4" of topsoil	466	0.34	158.44	5.9	0%	5.9
AS			Subsoil Excavate		Remove subsoil to within 9" of proposed grade	466	varies	433.9	16.1	0%	16.1
AS			Gravel Place		Place 6" depth of gravel	466	-0.50	-233	-8.6	0%	-8.6
AS			Asphalt Place		Place 3" depth of asphalt for bike path construction	466	-0.25	-116.5	-4.3	0%	-4.3
PP			Play Material Excavate		Excavate 14" of playground surfacing	1527	1.17	1782	66.0	0%	66.0
PP			Subsoil Place		Place subsoil to within 8" of proposed grade	1527	varies	-1835	-68.0	0%	-68.0
PP			Play Material Place		Place 8" of rubber surfacing	1527	-0.67	-1023	-37.9	0%	-37.9
PT			Play Material Excavate		Excavate 14" of playground surfacing	321	1.17	375	13.9	0%	13.9
PT			Subsoil Place		Place subsoil to within 6" of pro grade	321	varies	-134	-5.0	0%	-5.0
PT			Topsoil Place		Place 6" topsoil	321	-0.50	-161	-5.9	0%	-5.9
TP			Topsoil Excavate		Excavate 4" of topsoil	1819	0.33	600	22.2	0%	22.2
TP			Subsoil Excavate		Excavate subsoil to within 8" of proposed grades	1819	varies	576	21.3	0%	21.3
TP			Subsoil Place		Place subsoil to within 8" of proposed grade	1819	varies	-725	-26.9	0%	-26.9
TP			Play Material Place		Place 8" of rubber surfacing	1819	-0.67	-1219	-45.1	0%	-45.1
TT			Topsoil Excavate		Remove 4" of topsoil	2427	0.33	801	29.7	0%	29.7
TT			Subsoil Place		Place subsoil to within 6" of pro grade	2427	varies	-1352	-50.1	0%	-50.1
TT			Subsoil Excavate		Excavate subsoil to within 6" of pro grade	2427	varies	428	15.9	0%	15.9
TT			Topsoil Place		Place 6" of topsoil	2427	-0.50	-1214	-44.9	0%	-44.9
TB			Topsoil Excavate		Excavate 4" of topsoil	92	0.33	30	1.1	0%	1.1
TB			Subsoil Excavate		Excavate subsoil to within 1' of proposed grade	92	varies	42	1.6	0%	1.6
TB			Subsoil Place		Place subsoil to within 1' of proposed grade	92	varies	-41	-1.5	0%	-1.5
TB			Place Border		Place Border	92	-1.00	-92	-3.4	0%	-3.4
PB			Play Material Excavate		Excavate 14" of playground surfacing	11	1.17	13	0.5	0%	0.5
PB			Subsoil Place		Place subsoil to within 1' of proposed grade	11	varies	-6	-0.2	0%	-0.2
PB			Place Border		Place Border	11	-1.00	-11	-0.4	0%	-0.4
WA			Topsoil Excavate		Excavate 4" of topsoil	70	0.33	23	0.9	0%	0.9
WA			Subsoil Excavate		Excavate Material for Wall	70	1.00	70	2.6	0%	2.6
WA			Wall Place		Place Wall	70	-1.00	-70	-2.6	0%	-2.6

Reservoir Park Playground

City of Madison, WI Public Works Contract #7130

Date Revised: 7/9/2013

Summary of stone (gravel) and soil quantities in the Bid Table.
Derived from more detailed spreadsheet available from Parks Div

Preliminary Computation Summary

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

Row Labels	Sum of Factored (Uncompacted) Volume (cu yd)
Gravel Place	-11
Subsoil Excavate	56
Subsoil Place	-150
Topsoil Excavate	59
Topsoil Place	-52
Play Material Excavate	80
Play Material Place	-83
Concrete Place	-1
Asphalt Place	-4
Grand Total	-106

Reorganized into Bid Table Items:

Bid Item #20101	
Excavation Cut	Subsoil Excavate + Topsoil Excavate
Bid Item #20201 Fill	Subsoil Place + Subsoil Excavate
Bid Item #20221	
Topsoil	= Topsoil Place
Bid Item #40201	= Asphalt
Bid Item #40102	= Gravel Place
Play material Exavate	By others, not included in this contract.
Play material Place	By others, not included in this contract.

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PARKS DIVISION

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Graphical Scale
0 20 ft



PROJECT:

*2013 PARK
PLAYGROUND
IMPROVEMENTS*

*RESERVOIR PARK
126 GLENWAY STREET
MADISON, WI 53705*

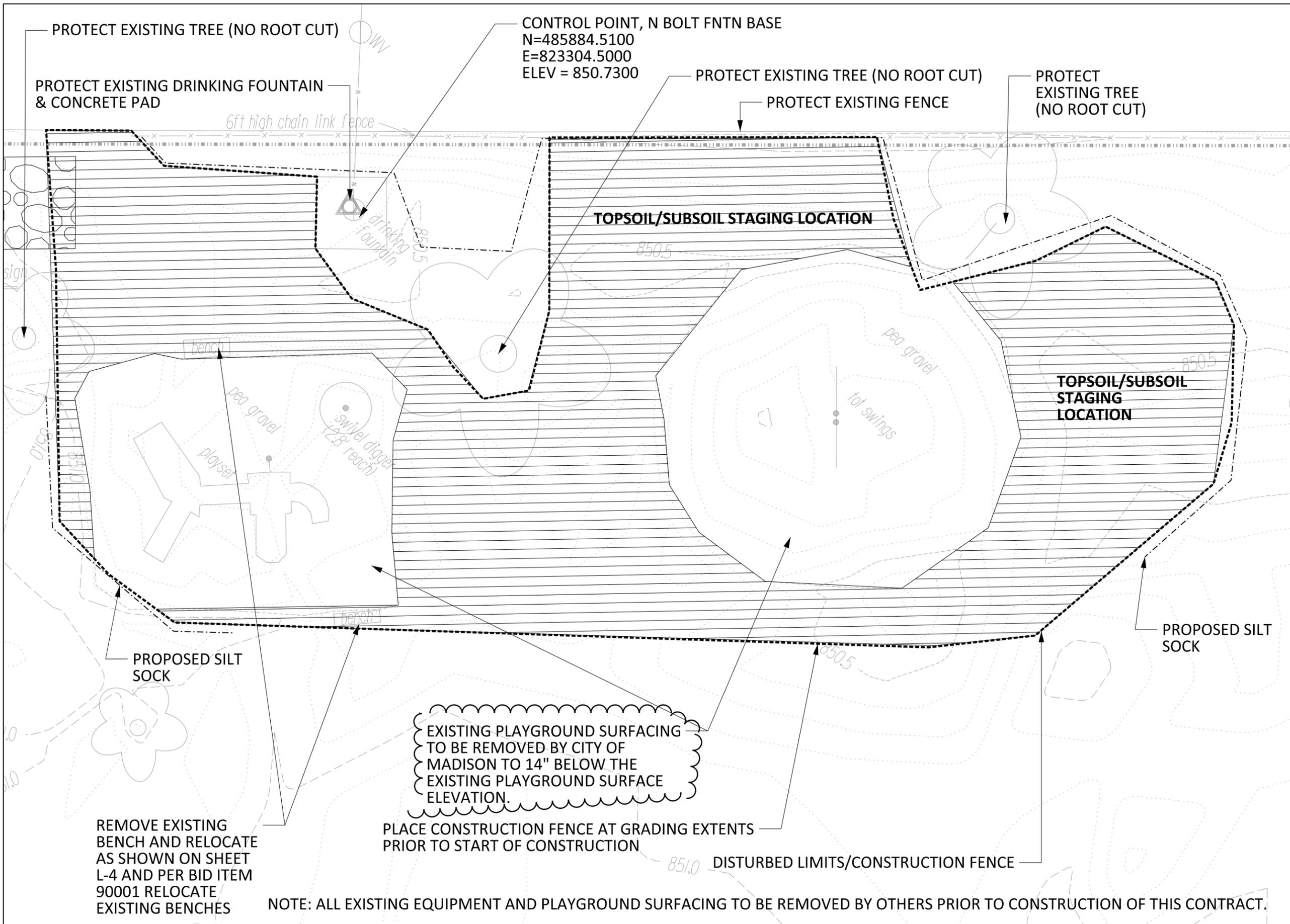
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawn by: SCL	06-27-2013
Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:
SITE PLAN

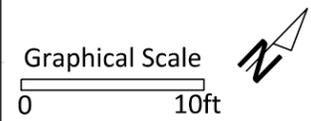
SHEET NUMBER:
2.5



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play
**MADISON
 PARKS**



PROJECT:
**2013 PARK
 PLAYGROUND
 IMPROVEMENTS**

**REYNOLDS PARK
 810 E MIFFLIN ST
 MADISON, WI 53703**

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ITEM	DATE
Drawn by: SCL	06-27-2013
Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:
**DEMOLITION PLAN
 AND PROTECTION
 PLAN**

SHEET NUMBER:
3.2

NOTE: ALL EXISTING EQUIPMENT AND PLAYGROUND SURFACING TO BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION OF THIS CONTRACT.



PROJECT:

**2013 PARK
PLAYGROUND
IMPROVEMENTS**

**REYNOLDS PARK
810 E MIFFLIN ST
MADISON, WI 53703**

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ITEM	DATE
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Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:

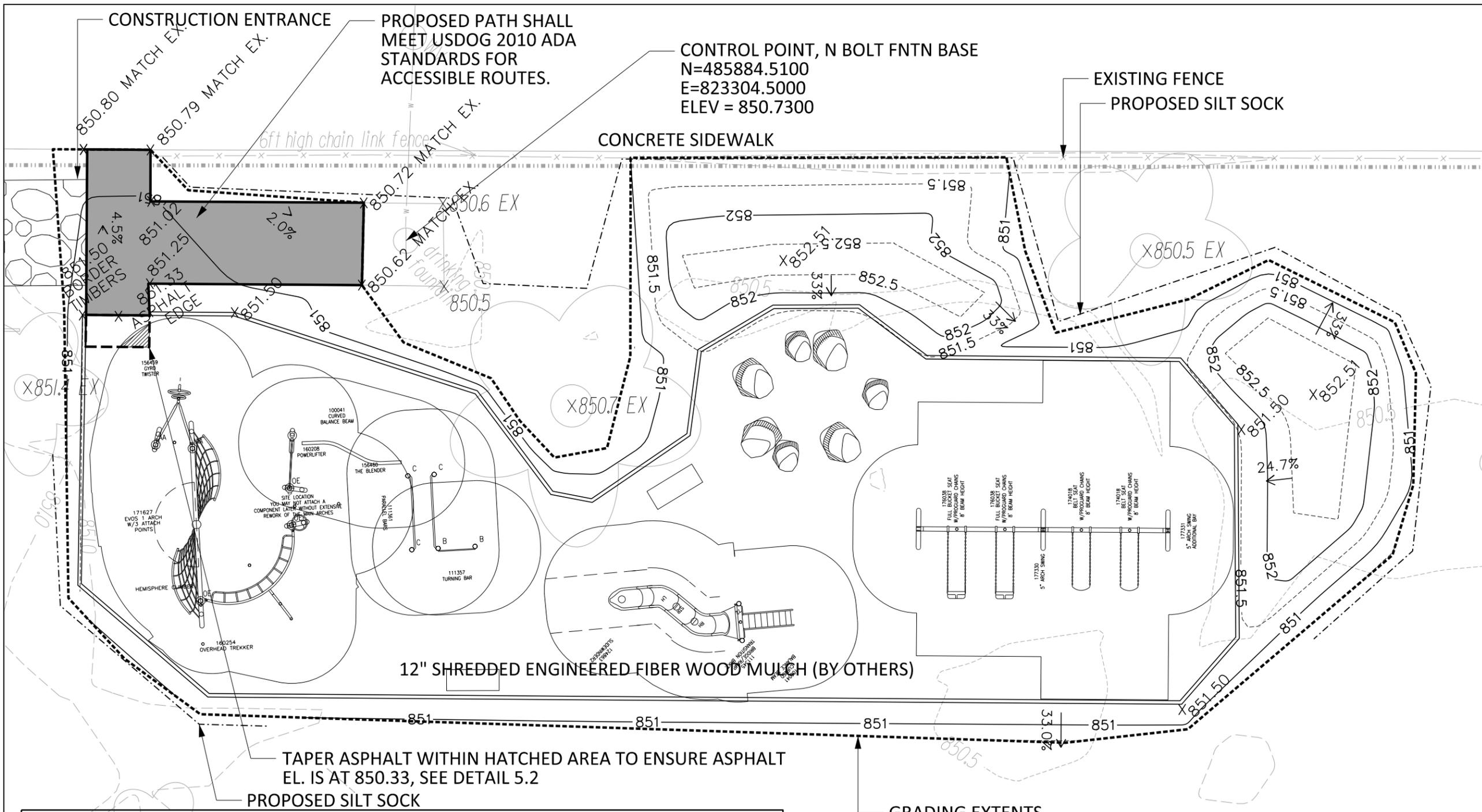
7130

SHEET TITLE:

**GRADING AND
EROSION
CONTROL PLAN**

SHEET NUMBER:

3.4



PROPOSED PATH SHALL MEET USDOG 2010 ADA STANDARDS FOR ACCESSIBLE ROUTES.

CONTROL POINT, N BOLT FNTN BASE
N=485884.5100
E=823304.5000
ELEV = 850.7300

EXISTING FENCE
PROPOSED SILT SOCK

CONCRETE SIDEWALK

12" SHREDDED ENGINEERED FIBER WOOD MULCH (BY OTHERS)

TAPER ASPHALT WITHIN HATCHED AREA TO ENSURE ASPHALT EL. IS AT 850.33, SEE DETAIL 5.2

PROPOSED SILT SOCK

GRADING EXTENTS

EDGE OF PLAYGROUND BORDER TIMBERS: 851.50
ELEVATION OF FINISHED PLAYGROUND SURFACING (BY OTHERS) : 851.33
PLAYGROUND SUBGRADE ELEVATION: 850.33

ASPHALT AT PLAYGROUND ELEVATION: 851.33, SEE DETAIL 5.2

NOTE:

- 1.) 4 OZ, PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE SUBGRADE AND DRAIN TILE SYSTEM PER DETAIL 5.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN.
- 2.) CONTRACTOR TO INSTALL DRAIN TILE SYSTEM, LANDSCAPE FABRIC, AND TO GRADE AREA FOR PLAYGROUND SURFACING TO PROPOSED SUBGRADES.
- 3.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED ON PLANS.

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play
**MADISON
PARKS**

Graphical Scale



PROJECT:

**WORTHINGTON PARK
PLAYGROUND
IMPROVEMENTS**

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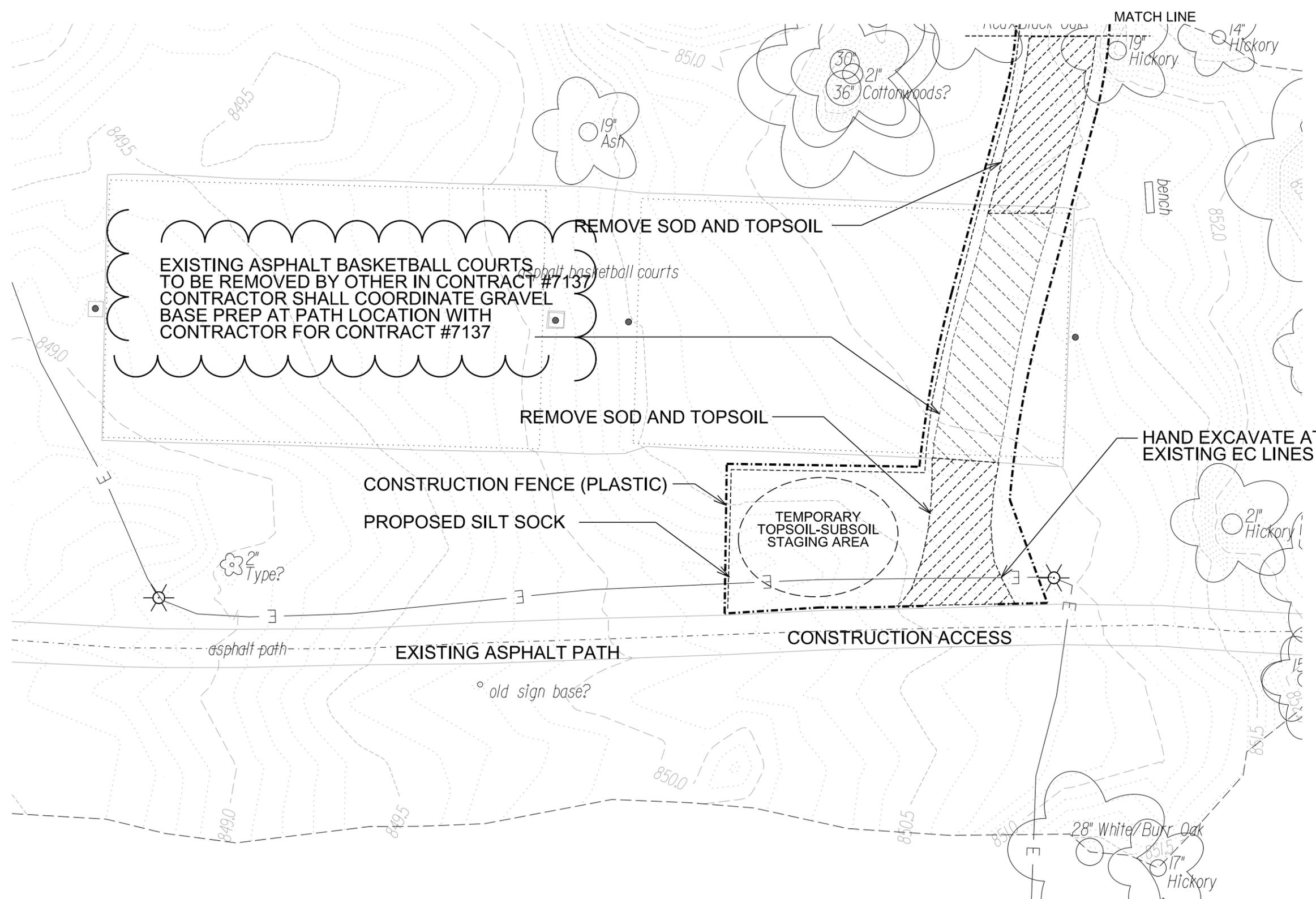
ITEM	DATE
Drawn by: MRS	06-21-13
Revised by: MRS	07-09-13

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:
**DEMOLITION AND
PROTECTION PLAN-
PATH**

SHEET NUMBER:

4.3



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play
**MADISON
PARKS**

Graphical Scale

0 20 ft



PROJECT:

**WORTHINGTON PARK
PLAYGROUND
IMPROVEMENTS**

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ITEM	DATE
Drawn by: MRS	06-21-13
Revised by: MRS	07-09-13

PUBLIC WORKS PROJECT #:
7130

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

SHEET NUMBER:

4.6

PROPOSED GRADING EXTENTS

CONSTRUCTION FENCE (PLASTIC)

PROPOSES SILT SOCK

PROPOSED DRAIN TILE SYSTEM, 4" PVC TILE WITH FILTER SOCK. INVERT ELEVATIONS IDENTIFIED

Worthington Park Playground 2013		
Point	Invert (ft)	Note
A1	851.40	
A2	851.34	
A3	851.33	
A4	851.27	
A5	851.26	
A6	851.22	
A7	851.18	
A8	851.17	
A9	851.10	OUTFALL
A10	851.40	
A11	851.40	
A12	851.40	
A13	851.40	
A14	851.40	
A15	851.40	
A16	851.40	
B1	851.40	
B2	851.35	
B3	851.33	
B4	851.29	
B5	851.26	
B6	851.23	
B7	851.11	OUTFALL
B8	851.40	
B9	851.40	
B10	851.40	
B11	851.40	
B12	851.40	

ASPHALT EDGE SLOPES, SEE SHEET 5/2

EDGE OF TUFF TIMBERS: 852.92
ELEVATION OF PLAYGROUND SURFACING (BY OTHERS): 852.75

EAST EDGE OF WALK TO MEET EXISTING ELEVATION, 2% CROSS SLOPE TO WEST FOR THE LENGTH OF PATH

PROPOSED PATH SHALL MEET USDOJ 2010 ADA STANDARDS FOR ACCESSIBLE ROUTES.

NOTE:

- 1.) 4 OZ, PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE SUBGRADE AND DRAIN TILE SYSTEM PER DETAIL 5.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN.
- 2.) CONTRACTOR TO INSTALL DRAIN TILE SYSTEM, LANDSCAPE FABRIC, AND TO GRADE AREA FOR PLAYGROUND SURFACING TO PROPOSED SUBGRADES.
- 3.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED WITH APPROPRIATE ELEVATIONS RELATIVE TO PROPOSED FINISHED SURFACE ELEVATIONS FOR PLAYGROUND SURFACING AS DEFINED ON PLANS.

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play
**MADISON
PARKS**

Graphical Scale

0 20 ft



PROJECT:

**WORTHINGTON PARK
PLAYGROUND
IMPROVEMENTS**

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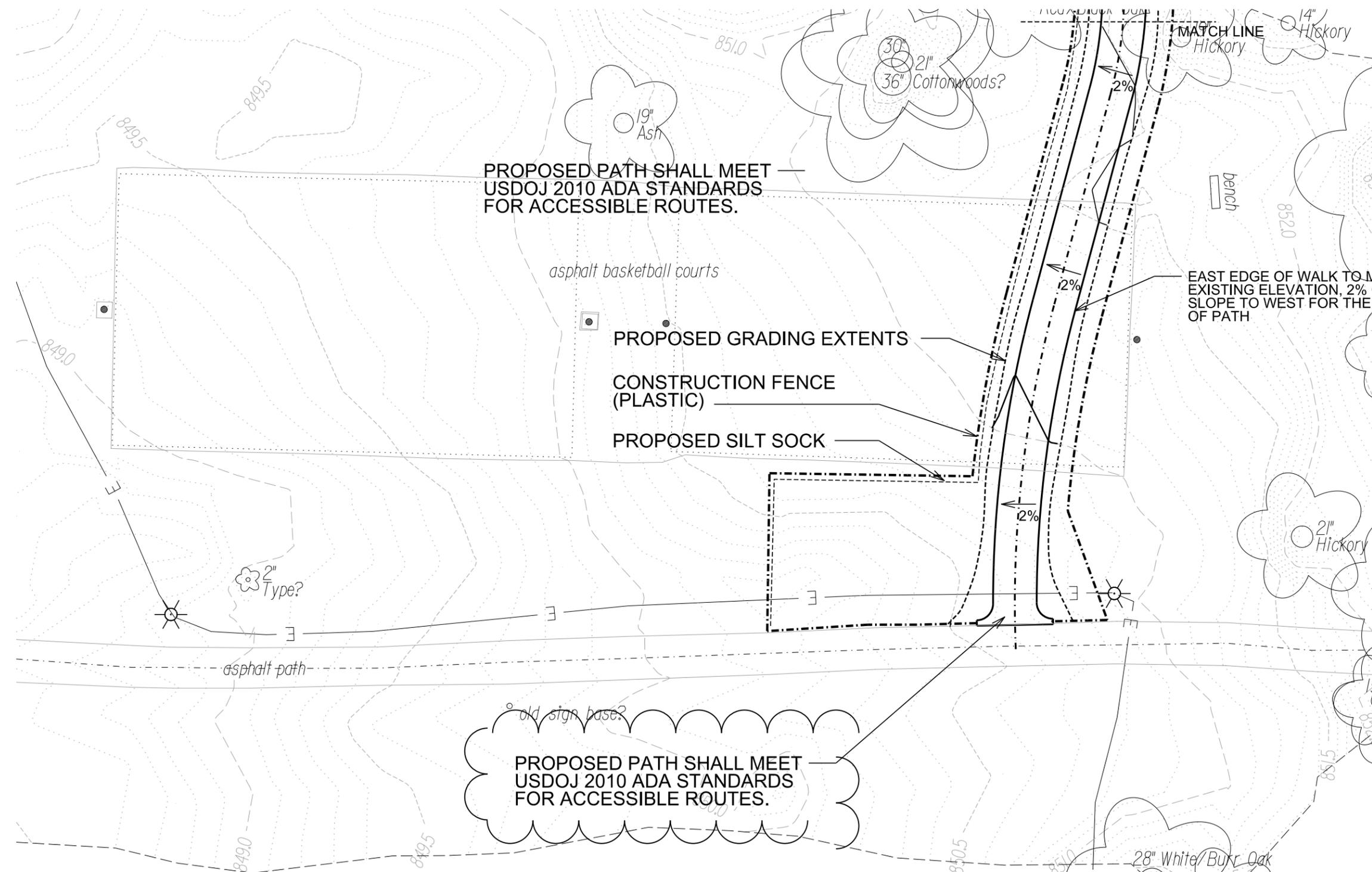
ITEM	DATE
Drawn by: MRS	06-21-13
Revised by: MRS	07-09-13

PUBLIC WORKS PROJECT #:
7130

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

SHEET NUMBER:

4.7



PROPOSED PATH SHALL MEET USDOJ 2010 ADA STANDARDS FOR ACCESSIBLE ROUTES.

asphalt basketball courts

PROPOSED GRADING EXTENTS

CONSTRUCTION FENCE (PLASTIC)

PROPOSED SILT SOCK

EAST EDGE OF WALK TO MEET EXISTING ELEVATION, 2% CROSS SLOPE TO WEST FOR THE LENGTH OF PATH

asphalt path

PROPOSED PATH SHALL MEET USDOJ 2010 ADA STANDARDS FOR ACCESSIBLE ROUTES.

NOTE:

- 1.) 4 OZ, PERMEABLE NON-WOVEN LANDSCAPE FABRIC OVER ENTIRE SUBGRADE AND DRAIN TILE SYSTEM PER DETAIL 5.1 TYPICAL PLAYGROUND SURFACING WITH UNDERDRAIN.
- 2.) CONTRACTOR TO INSTALL DRAIN TILE SYSTEM, LANDSCAPE FABRIC, AND TO GRADE AREA FOR PLAYGROUND SURFACING TO PROPOSED SUBGRADES.
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PROJECT:

*2013 PARK
 PLAYGROUND
 IMPROVEMENTS*

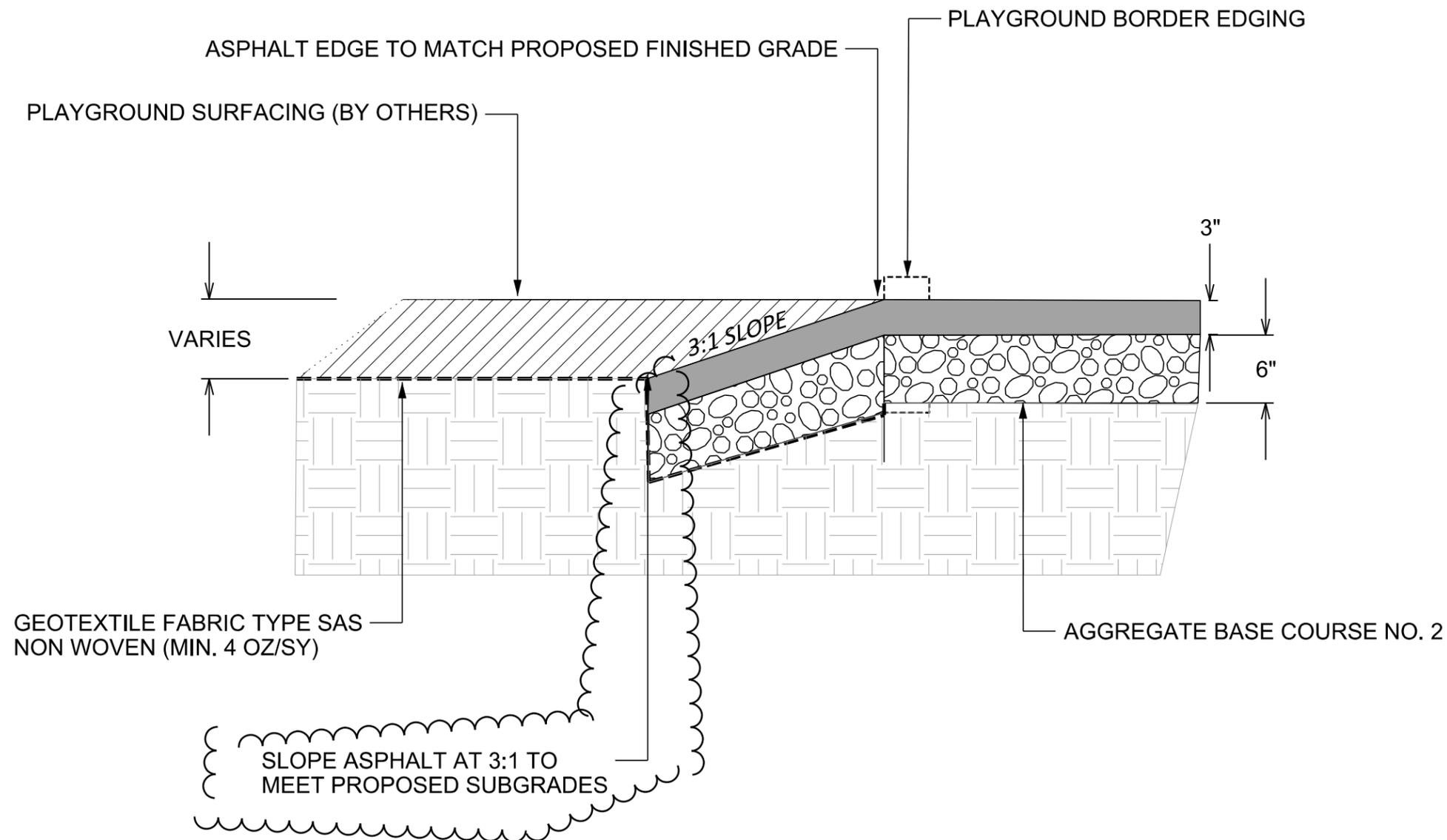
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ITEM	DATE
Drawn by: SCL	06-27-2013
Revised by: SCL/MS	07-09-2013

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:
**ASPHALT EDGE
 AT PLAYGROUND**

SHEET NUMBER:
5.2



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PROJECT:

*2013 PARK
 PLAYGROUND
 IMPROVEMENTS*

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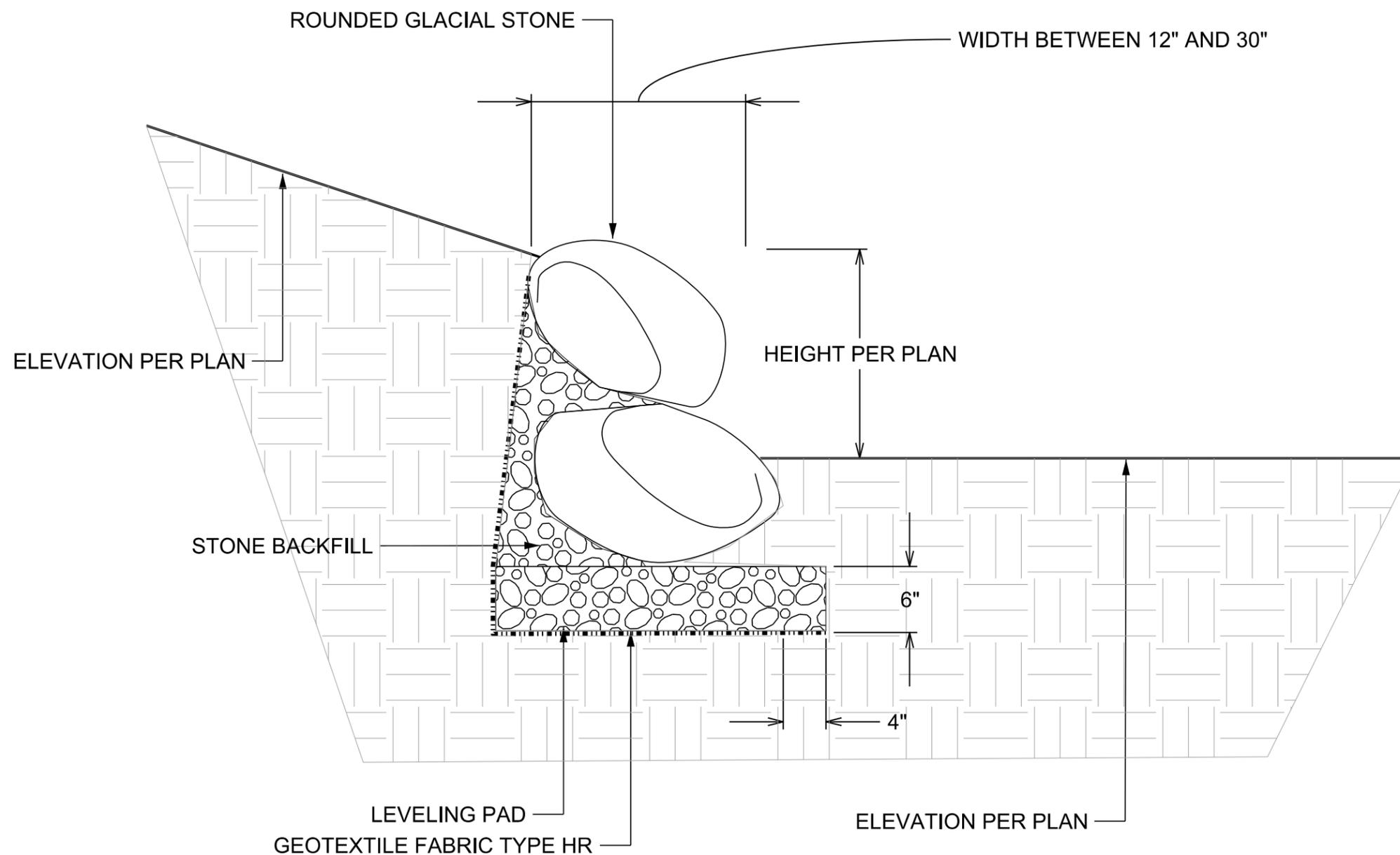
ITEM	DATE
Drawn by: SCL	07-09-2013

PUBLIC WORKS PROJECT #:
7130

SHEET TITLE:
**BOULDER RETAINING
 WALL DETAIL**

SHEET NUMBER:

5.3



NOT TO SCALE