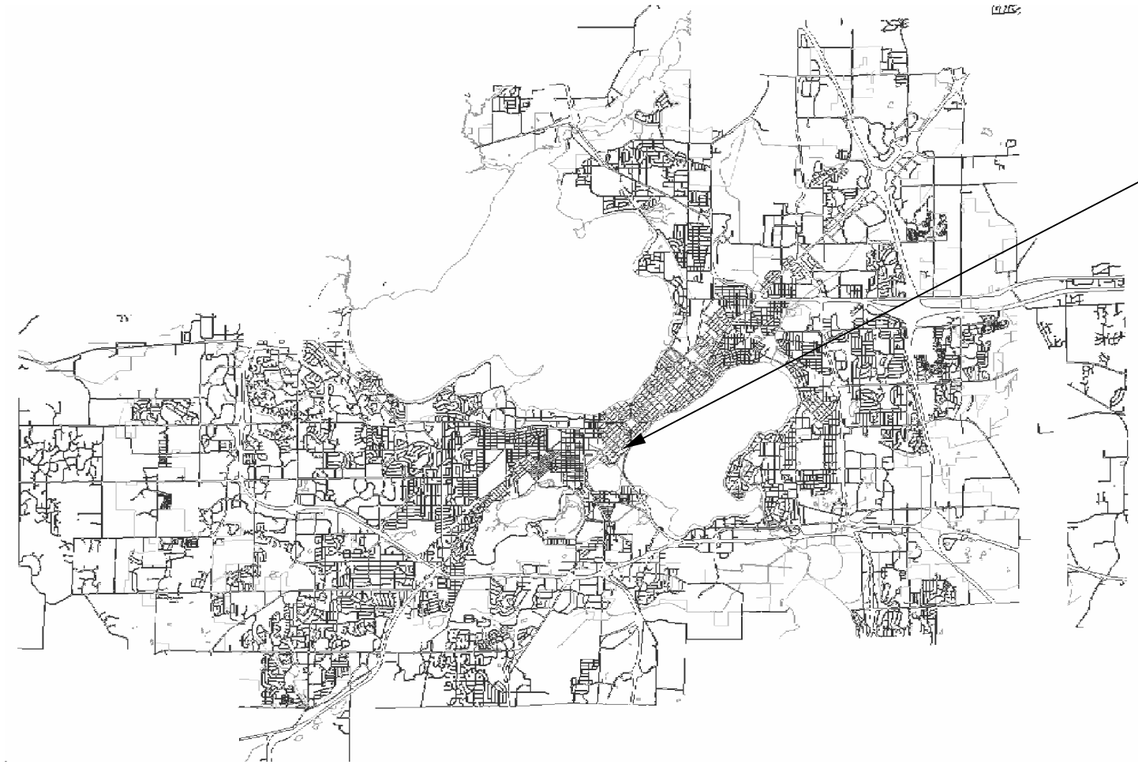
SHEET SCHEDULE

BRITTINGHAM PARK PAVING IMPROVEMENTS

CONTRACT 7325



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

N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	*06-21-14*
Revised by:	

PUBLIC WORKS PROJECT #:
7325

SHEET TITLE:

SHEET NUMBER:

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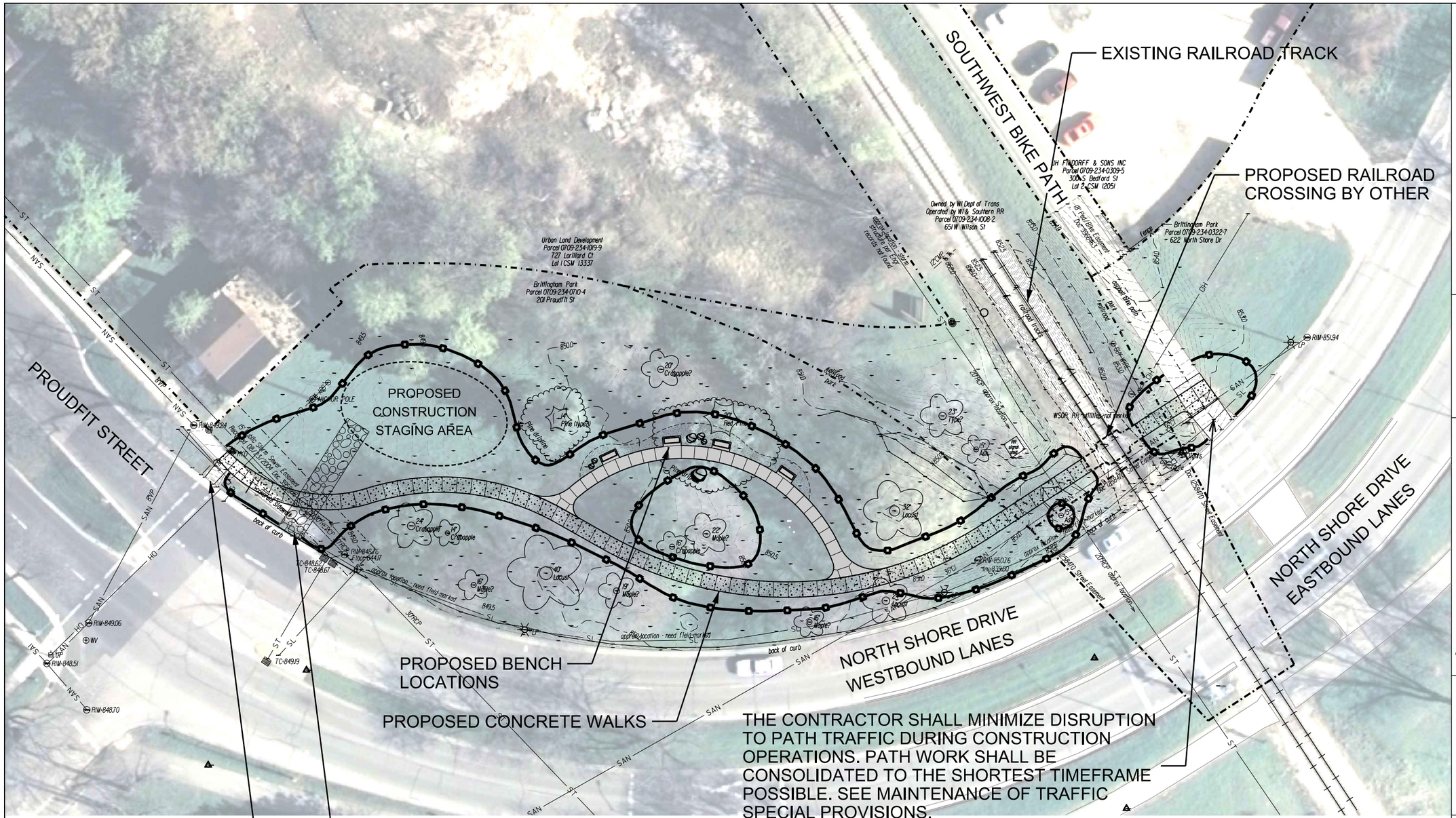

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Department of Public Works

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PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	06-21-14
Revised by:	

PUBLIC WORKS PROJECT: 7325

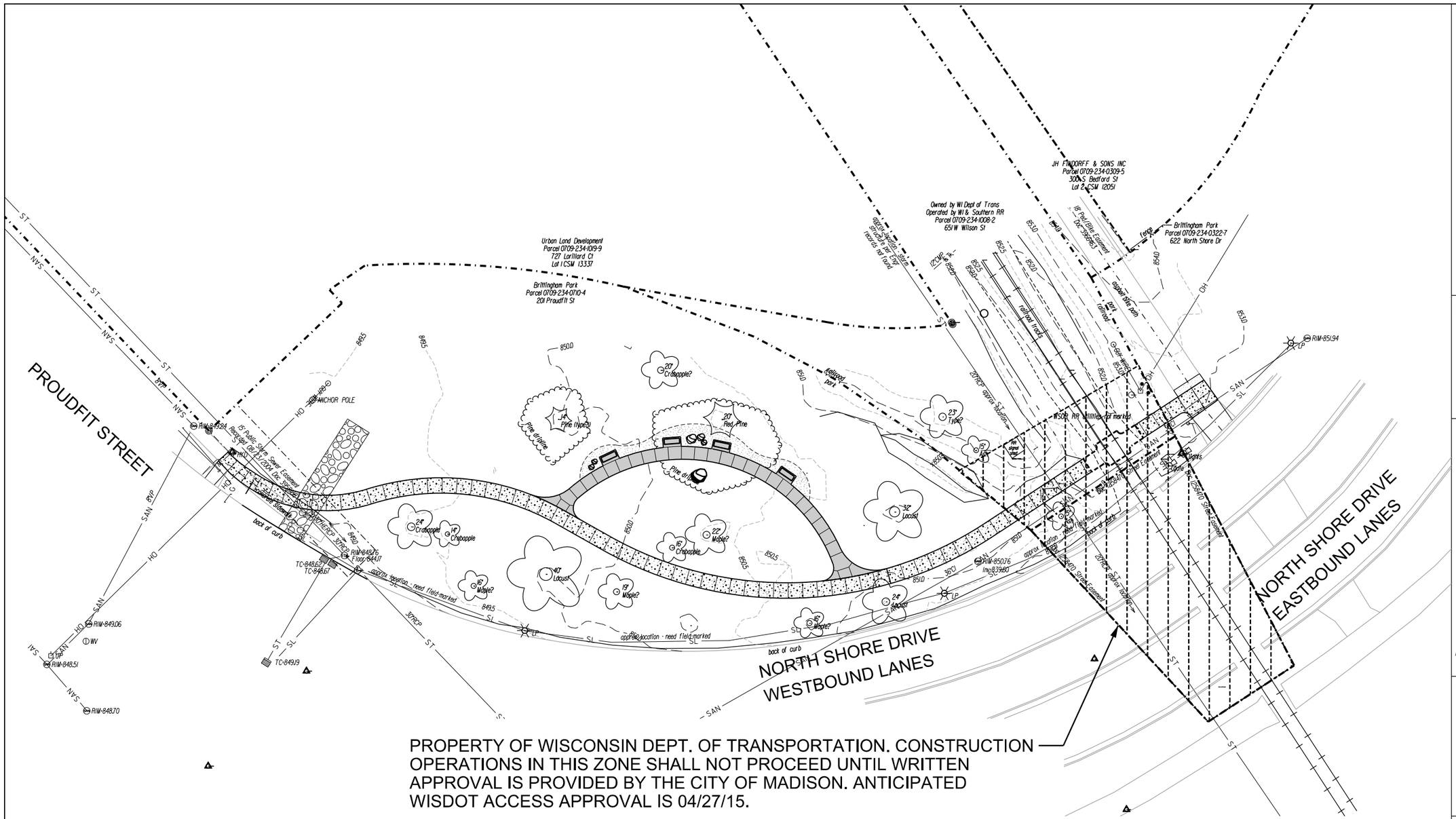
SHEET TITLE:

PROJECT LOCATION AND SITE ACCESS

SHEET NUMBER:

1.1

M:\Maps\parks\Brittingham\North_Shore_Drive_Improvements\7325_Plans.dgn



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Graphical Scale
0 40 ft
N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

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	06-21-14
Revised by:	

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:

CONSTRUCTION ACCESS LIMITATIONS

SHEET NUMBER:

1.2

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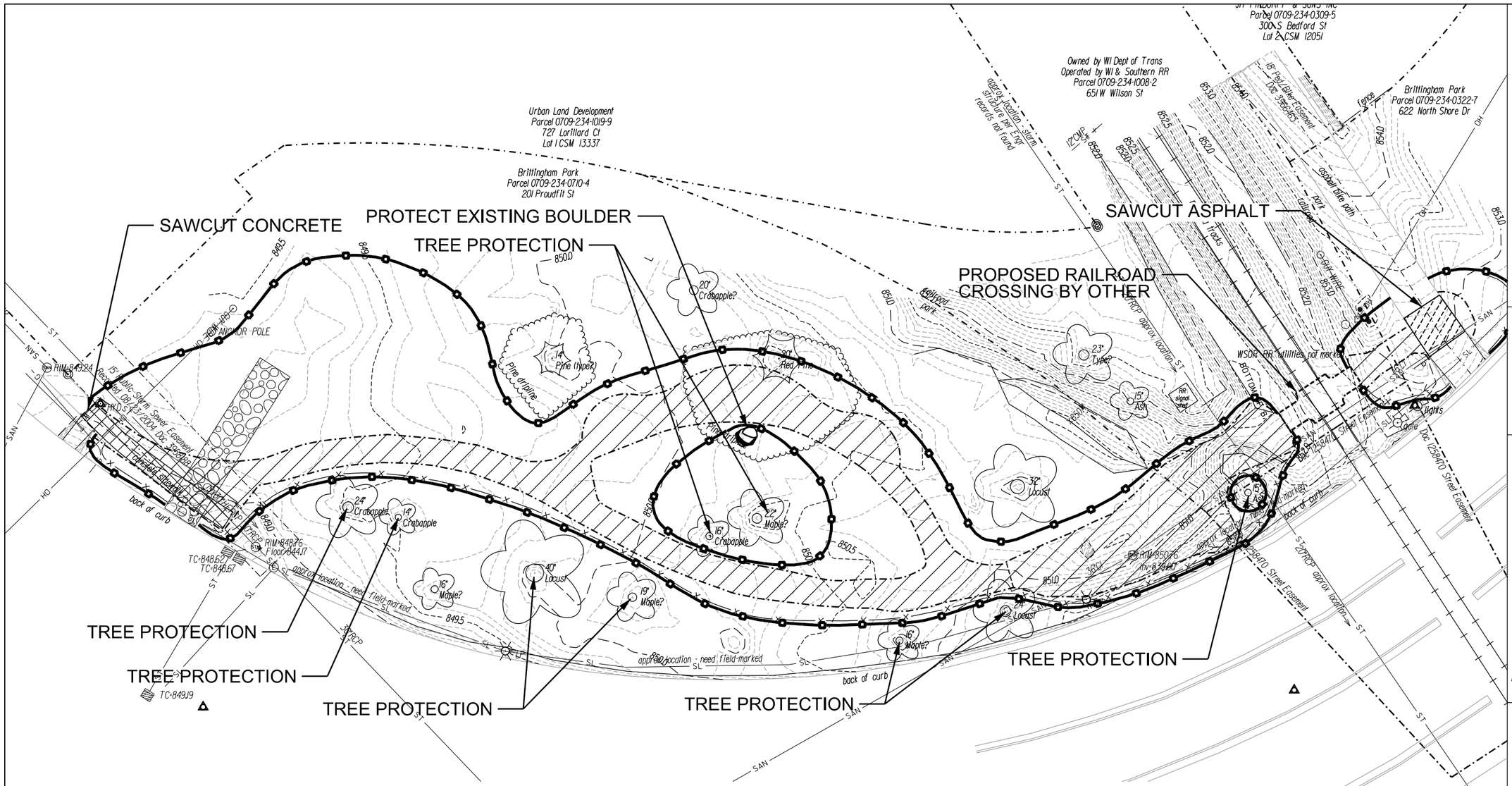

LEGEND

- SOD REMOVAL - TOPSOIL STRIP
- CONCRETE PAVEMENT REMOVAL
- ASPHALT REMOVAL
- CONSTRUCTION ENTRANCE
- CONSTRUCTION FENCE
- GRADING EXTENTS
- SILT SOCK
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- EX. APPROX. R-O-W

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.) CONTROL POINT TO BE IDENTIFIED BY CITY SURVEYOR.

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Graphical Scale
0 30 ft
N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	06-21-14
Revised by:	

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
2.1

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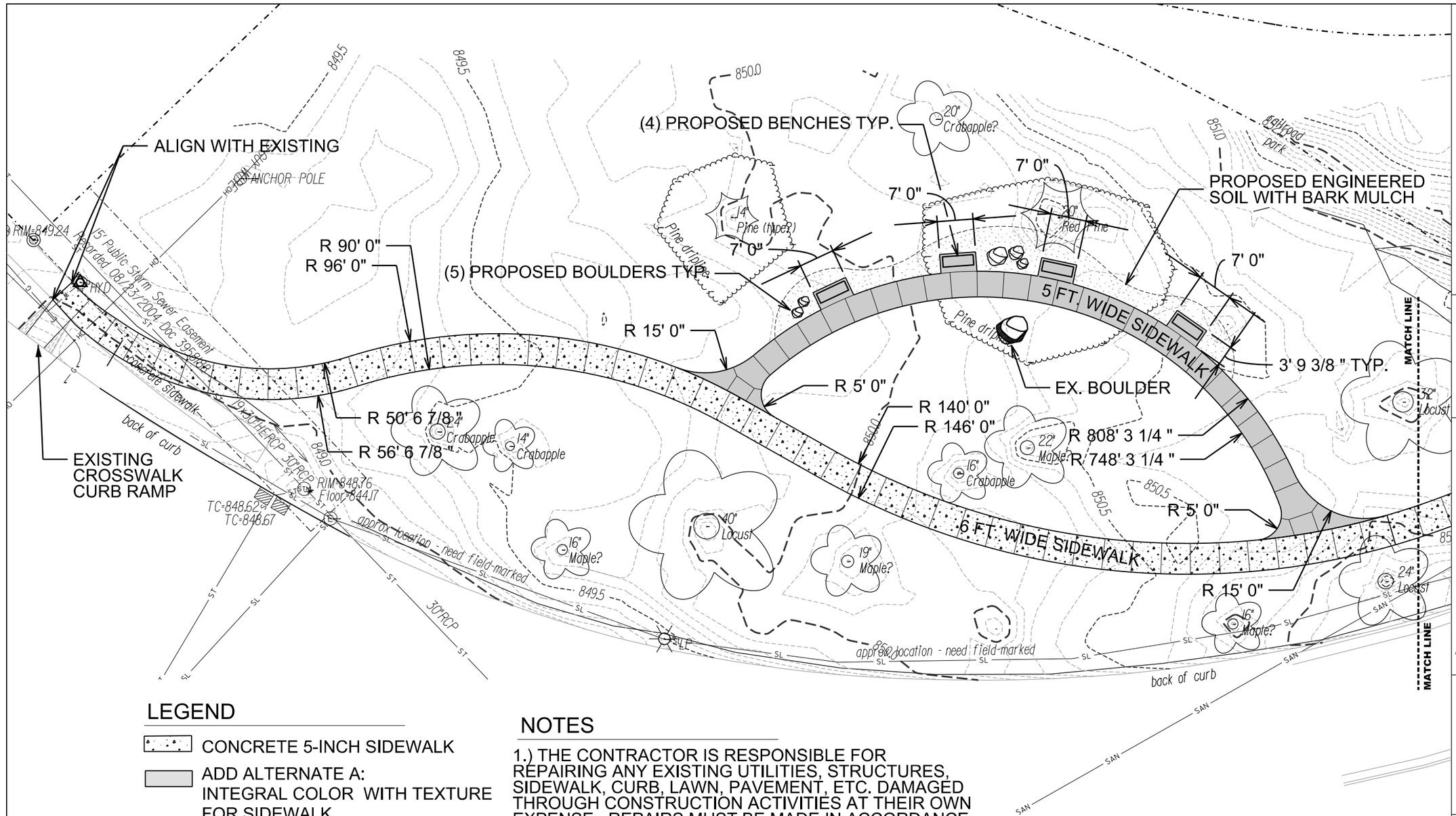

LEGEND

- CONCRETE 5-INCH SIDEWALK
- ADD ALTERNATE A: INTEGRAL COLOR WITH TEXTURE FOR SIDEWALK . BASE BID CONDITION IS STANDARD CONCRETE 5-INCH SIDEWALK.
- ENGINEERED SOIL WITH BARK MULCH
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- EX. APPROX. R-O-W

NOTES

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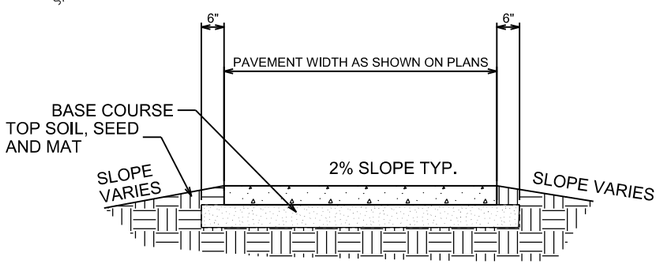

SIDEWALK TYPICAL SECTION

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Graphical Scale 0 20 ft

N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	06-21-14
Revised by:	

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:
SITE PLAN-WEST

SHEET NUMBER:
3.1

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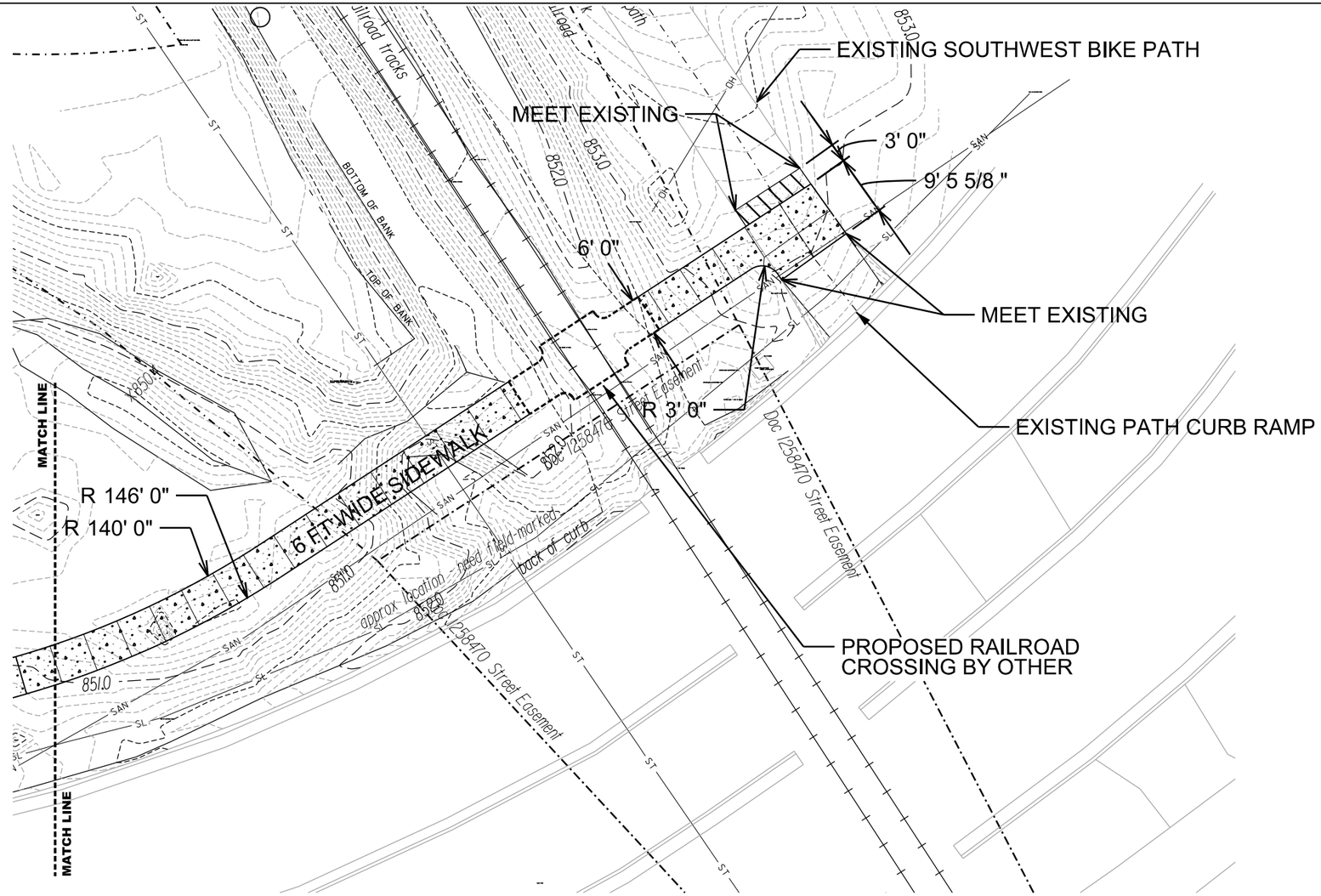

LEGEND

- CONCRETE 5-INCH SIDEWALK
- ASPHALT PAVEMENT
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- EX. APPROX. R-O-W

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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Graphical Scale
0 20 ft

N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	*06-21-14*
Revised by:	

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:
SITE PLAN-EAST

SHEET NUMBER:
3.2

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(2) INLET PROTECTION, TYPE H.

LEGEND

- CONCRETE FIVE-INCH SIDEWALK
- ADD ALTERNATE A: INTEGRAL COLOR WITH TEXTURE FOR SIDEWALK . BASE BID CONDITION IS STANDARD CONCRETE 5-INCH SIDEWALK.
- CONSTRUCTION ENTRANCE
- GRADING EXTENTS
- SILT SOCK
- CONTOUR (INDEX)
- CONTOUR (INTER.)
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- EX. APPROX. R-O-W
- CONSTRUCTION FENCE

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.) CONTROL POINT TO BE IDENTIFIED BY CITY SURVEYOR.

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Graphical Scale
0 20 ft

N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

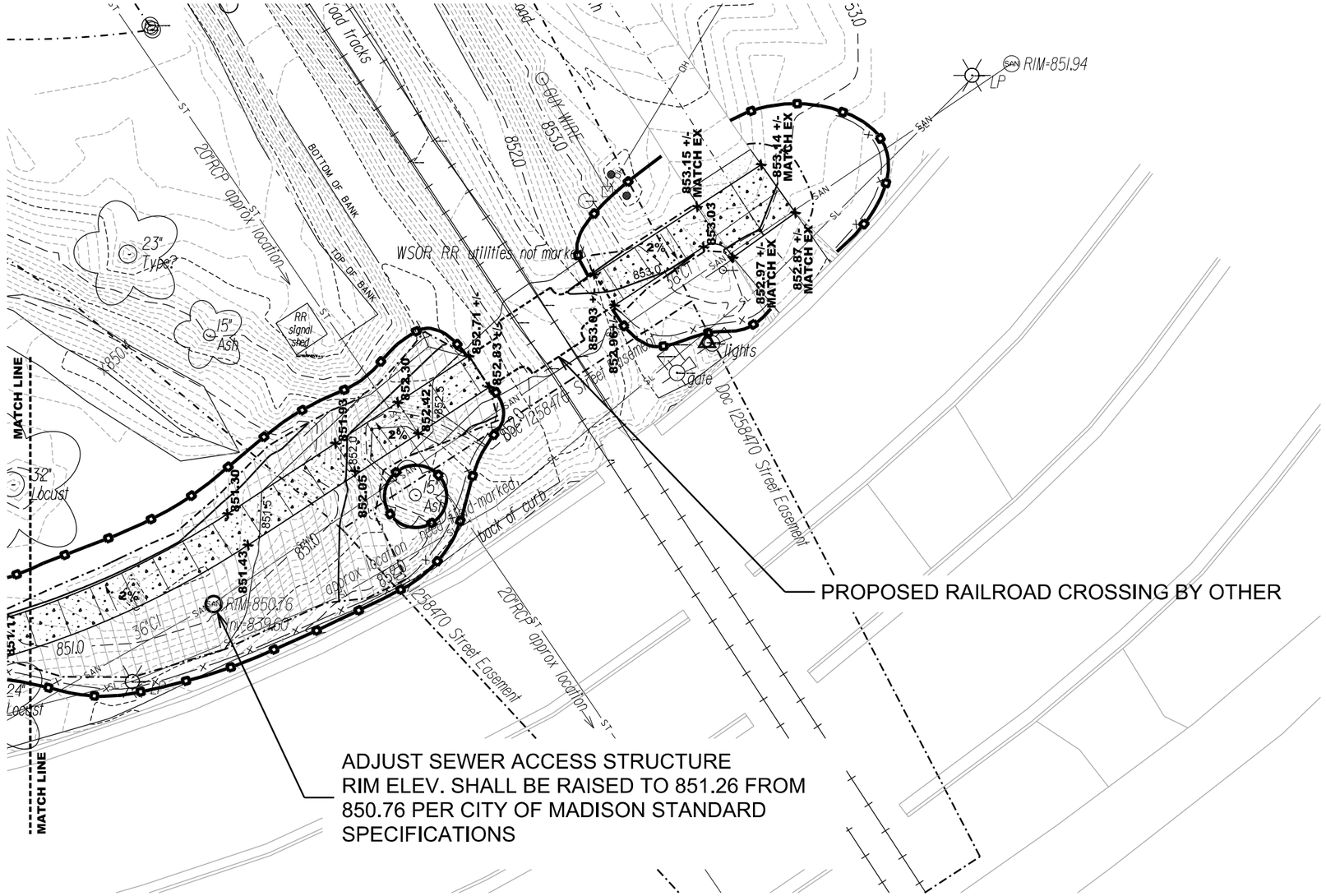
BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	06-21-14
Revised by:	

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN - WEST

SHEET NUMBER:
4.1



LEGEND

- CONCRETE FIVE-INCH SIDEWALK
- EROSION MATTING, CLASS I URBAN TYPE A - ORGANIC
- CONSTRUCTION ENTRANCE
- GRADING EXTENTS
- CONSTRUCTION FENCE
- SILT SOCK
- CONTOUR (INDEX)
- CONTOUR (INTER.)
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- EX. APPROX. R-O-W

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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Graphical Scale
0 20 ft

N

PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM	DATE
Drawn by: MS	*06-21-14*
Revised by:	

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN - EAST

SHEET NUMBER:
4.2

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Brittingham Park - 201 Proudfit St Path - Earthwork Quantities

City of Madison, WI Public Works Contract
Date Revised: 6/23/2014

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: Brit_Survey2014-04-03_201Proudfit.dtm ("Ex")
Proposed: Prop1.dtm ("Pro")

Sort	Group	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfac-tored volume (cu ft)	Unfac-tored volume (cu yd)	Expan-sion Factor (%)	Factored (Uncom-pacted) Volume (cu yd)
1.1	Asphalt to Asphalt	Asphalt Excavate	Remove existing bike path asphalt (assumed 3in)	n/a	n/a	36	0.25	9	0.3	0%	0.3
1.2	Asphalt to Asphalt	Asphalt Place	Place 3in bike path asphalt	n/a	n/a	36	-0.25	-9	-0.3	0%	-0.3
2.1	Asphalt to Concrete	Asphalt Excavate	Remove existing bike path asphalt (assumed 3in)	n/a	n/a	119	0.25	30	1.1	0%	1.1
2.2	Asphalt to Concrete	Gravel Excavate	Adjust existing gravel base to proposed concrete gravel base	n/a	n/a	119	0.17	20	0.7	0%	0.7
2.3	Asphalt to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	119	-0.42	-50	-1.8	0%	-1.8
3.1	Concrete to Concrete	Concrete Excavate	Remove existing concrete walk	n/a	n/a	141	0.42	59	2.2	0%	2.2
3.2	Concrete to Concrete	Gravel Place	Fill gravel to proposed concrete gravel base	Ex-5in	Pro-5in	141	varies	-7	-0.3	0%	-0.3
3.3	Concrete to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	129	-0.42	-54	-2.0	0%	-2.0
3.4	Concrete to Concrete	Topsoil Place	Place 5in topsoil on 6in gravel edge outside concrete	n/a	n/a	12	-0.42	-5	-0.2	0%	-0.2
4.1	Concrete to Grass	Concrete Excavate	Remove existing concrete walk	n/a	n/a	126	0.42	53	1.9	0%	1.9
4.2	Concrete to Grass	Gravel Excavate	Remove estimated 6in gravel base	n/a	n/a	126	0.50	63	2.3	0%	2.3
4.3	Concrete to Grass	Subsoil Place	Place subsoil to 6in below proposed topsoil	Ex-11in	Pro-6in	126	varies	-59	-2.2	0%	-2.2
4.4	Concrete to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	126	-0.50	-63	-2.3	0%	-2.3
5.1	Grass to Asphalt	NOT IN CONTRACT	RR CROSSING PAD - NOT IN CONTRACT	Ex	Pro	44	varies	-39	-1.5	0%	-1.5
6.1	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	3549	0.50	1775	65.7	0%	65.7
6.2	Grass to Concrete	Subsoil Excavate	Cut subsoil to path subgrade	Ex-6in	Pro-11in	3549	varies	1048	38.8	0%	38.8
6.3	Grass to Concrete	Subsoil Place	Fill subsoil to path subgrade	Ex-6in	Pro-11in	3549	varies	-129	-4.8	0%	-4.8
6.4	Grass to Concrete	Gravel Place	Place 6in gravel base, out 6in from proposed concrete walk edge	n/a	n/a	3549	-0.50	-1775	-65.7	0%	-65.7
6.5	Grass to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	3033	-0.42	-1264	-46.8	0%	-46.8
6.6	Grass to Concrete	Topsoil Place	Place 5in topsoil on 6in gravel edge outside concrete	n/a	n/a	516	-0.42	-215	-8.0	0%	-8.0
7.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1710	0.50	855	31.7	0%	31.7
7.2	Grass to Grass	Subsoil Excavate	Cut subsoil to 6in below proposed topsoil	Ex-6in	Pro-6in	1710	varies	3	0.1	0%	0.1
7.3	Grass to Grass	Subsoil Place	Fill subsoil to 6in below proposed topsoil	Ex-6in	Pro-6in	1710	varies	-489	-18.1	0%	-18.1
7.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1710	-0.50	-855	-31.7	0%	-31.7
8.1	RRbed to Asphalt	NOT IN CONTRACT	RR CROSSING PAD - NOT IN CONTRACT	Ex	Pro	169	varies	-109	-4.0	0%	-4.0
9.1	RRbed to RRbed	NOT IN CONTRACT	RR CROSSING PAD - NOT IN CONTRACT	Ex	Pro	138	varies	-34	-1.3	0%	-1.3
							TOTALS	-1241	-45.9		-45.9

Date Revised: 6/23/2014

Dervied 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 Unfac-tored volume (cu yd)	Check
Asphalt Excavate	1.4	
Asphalt Place	-0.3	Asphalt 2.16 ton/cu yd
Concrete Excavate	4.1	
Concrete Place	-50.6	New concrete 3281 sq ft x 5in = 1367 cu ft = 50.6 cu yd
Gravel Excavate	3.1	
Gravel Place	-66.0	Gravel w/ fines 1.9 ton/cu yd (compacted in place)
NOT IN CONTRACT	-6.8	
Subsoil Excavate	38.9	
Subsoil Place	-25.0	
Topsoil Excavate	97.4	
Topsoil Place	-42.4	
Grand Total	**-46.2**	

Net subsoil	14	surplus	
Net topsoil	55	surplus	

20101 Excavation Cut	145	CY	= Subsoil Excavate + Topsoil Excavate
20221 Topsoil	234	SY	= Topsoil Place/.167 (depth)
40102 Crushed Aggregate Base Course Gradation No. 2	132.0	TONS	= Gravel Place * 2.0 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	0.7	TONS	= Asphalt Place * 2.16 ton/cubic yard

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PROJECT:

BRITTINGHAM PARK PAVING IMPROVEMENTS

BRITTINGHAM PARK
201 PROUDFIT ST.
MADISON, WI

ITEM DATE
Drawn by: MS 06-21-14
Revised by:

PUBLIC WORKS PROJECT: 7325

SHEET TITLE:
DESIGN CALCULATIONS

SHEET NUMBER:
5.1

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