

SHEET SCHEDULE

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

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

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

- 4.1 WARNER DOG PARK POROUS ASPHALT DETAIL

City of Madison
 Department of Public Works
PARKS DIVISION

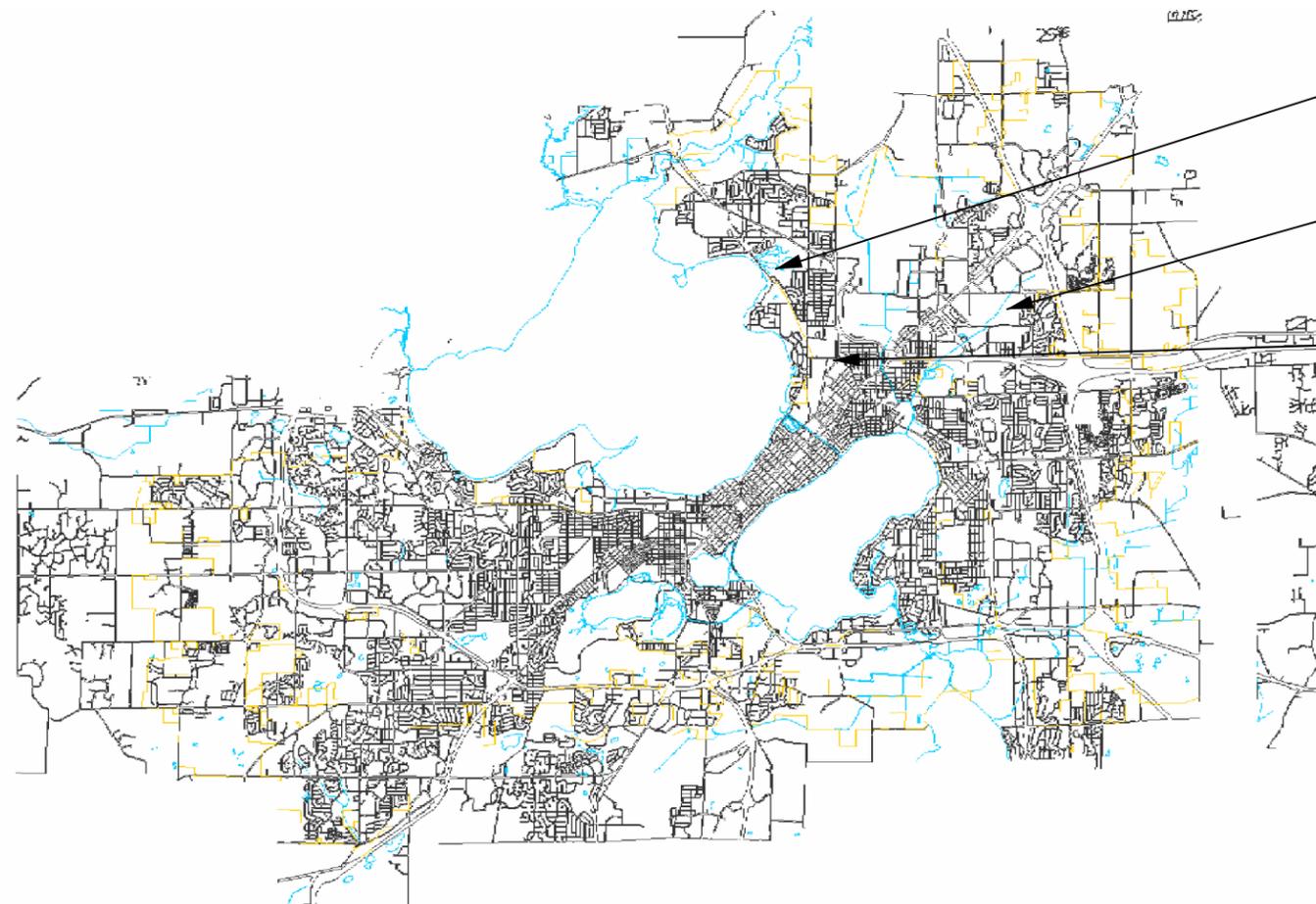
City-County Building, Suite 104
 210 Martin Luther King, Jr. Blvd.
 PO Box 2987
 Madison, WI 53701-2987



PROJECT:

2015 DOG PARK IMPROVEMENTS

2015 DOG PARK IMPROVEMENTS CONTRACT # 7488



WARNER PARK
 2301 SHERIDAN DRIVE
 MADISON, WI 53704

SYCAMORE PARK
 4517 SYCAMORE AVENUE
 MADISON, WI 53704

DEMETRAL PARK
 601 N. SIXTH STREET
 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	03-05-2015

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
COVER SHEET

SHEET NUMBER:

PACKERS AVE

NOTES

1. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.

DEMETRAL PARK OFF LEASH DOG PARK

PROPOSED CONSTRUCTION FENCE, NO CONSTRUCTION ALLOWED IN DOG PARK OUTSIDE OF CONSTRUCTION FENCE LIMITS

landfill pipes
approx location per records

landfill gas #27

PROPOSED FENCING (BY OTHERS)

PROJECT LOCATION

kiosk & bench

waste bins

CONSTRUCTION ENTRANCE

CITY OF MADISON PARKING LOT

City of Madison
Department of Public Works
PARKS DIVISION

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play
**MADISON
PARKS**

Graphical Scale
0 20 ft



PROJECT:

*2015 DOG PARK
IMPROVEMENTS*

*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
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

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

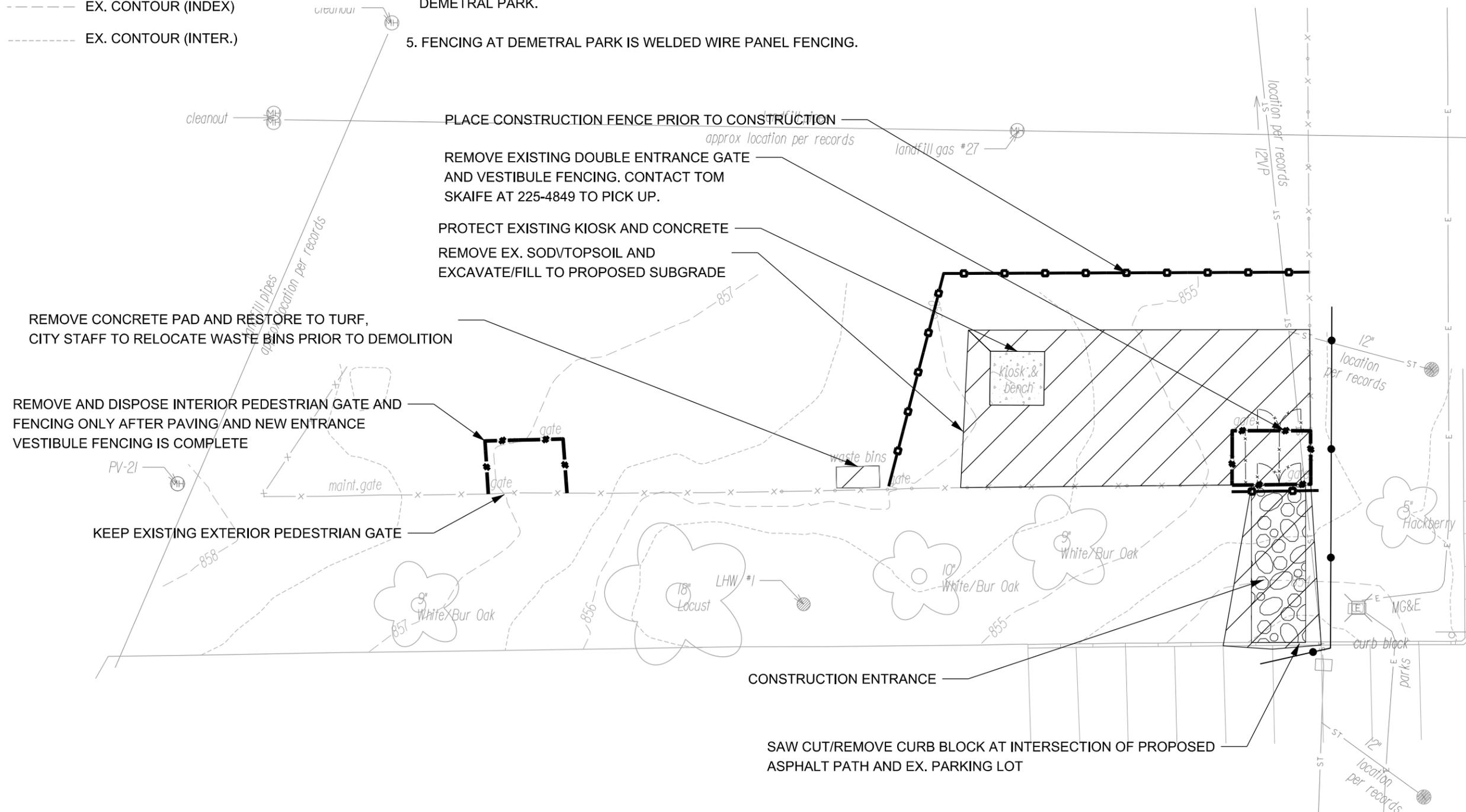
SHEET NUMBER:
1.1

LEGEND

-  REMOVE EX. LAWN
-  REMOVE AND DISPOSE EX. FENCE
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  EX. FENCE
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER.)

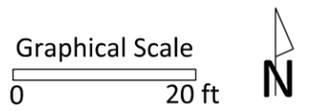
NOTES

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. TEMPORARILY REMOVE FENCING AS NECESSARY FOR ASPHALT PAVING.
3. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.
4. THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG AT (608) 267-9408 PRIOR TO EACH CONSTRUCTION DAY AT DEMETRAL PARK.
5. FENCING AT DEMETRAL PARK IS WELDED WIRE PANEL FENCING.



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PARKS DIVISION

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PROJECT:
2015 DOG PARK IMPROVEMENTS

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
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
1.2

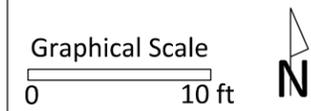
LEGEND

- PRO. ASPHALT
- PRO. FENCE (BY OTHERS)
- EX. FENCE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)

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PARKS



PROJECT:

2015 DOG PARK
IMPROVEMENTS

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	03-06-2014
Approved by:	xx-xx-xxxx

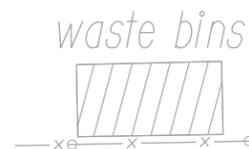
PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
1.3

NOTES

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2. TEMPORARILY REMOVE FENCING AS NECESSARY FOR ASPHALT PAVING.
3. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.
4. THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG PRIOR AT (608) 267-9408 TO EACH CONSTRUCTION DAY AT DEMETRAL PARK.
5. FENCING AT DEMETRAL PARK IS WELDED WIRE PANEL FENCING.



12" location per records

29' 9.56'

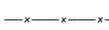
63'

855'

29.65'

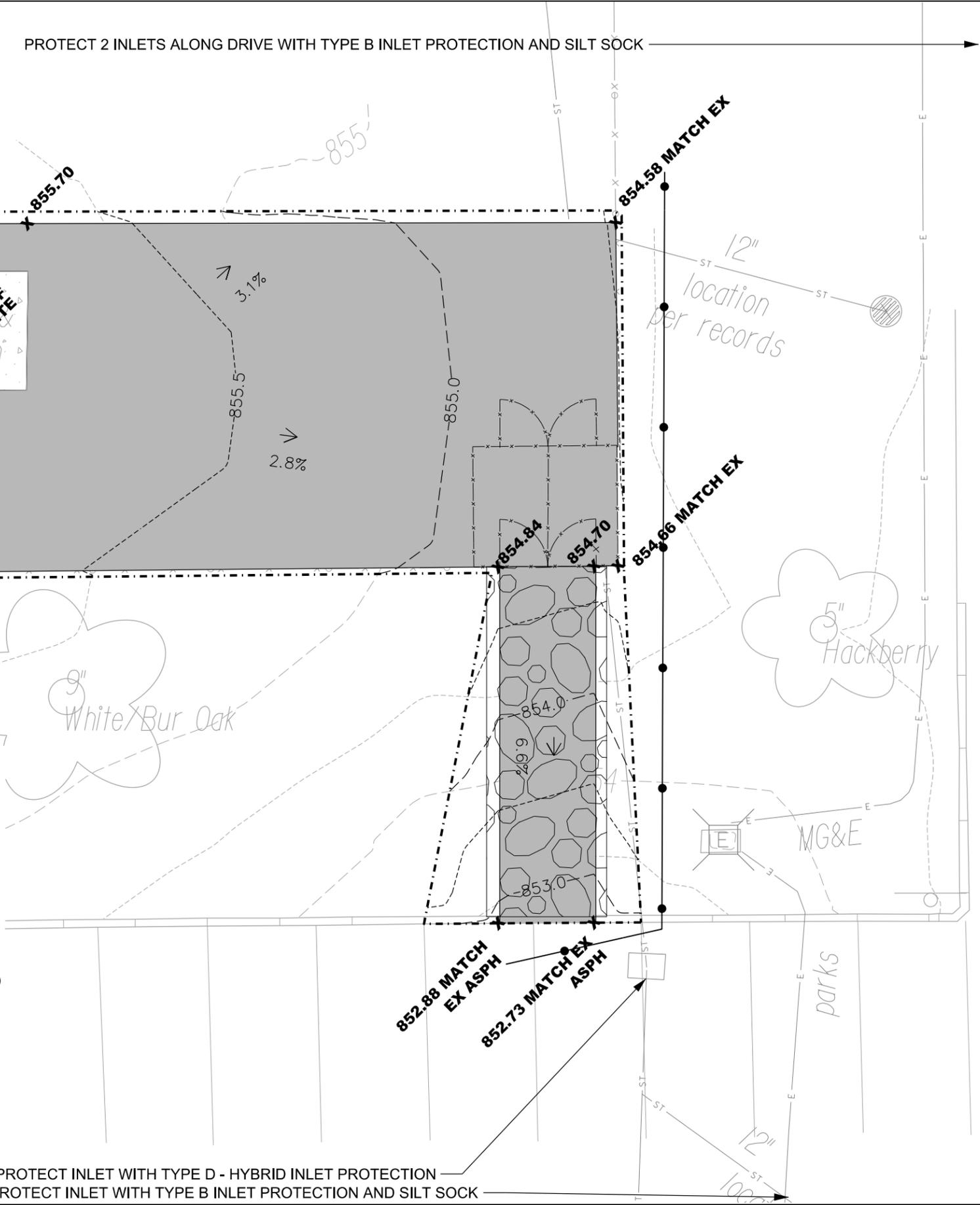
8'

LEGEND

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

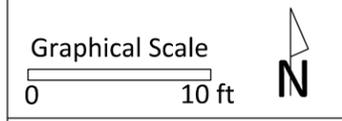
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5. FENCING AT DEMETRAL PARK IS WELDED WIRE PANEL FENCING.



PROTECT INLET WITH TYPE D - HYBRID INLET PROTECTION
 PROTECT INLET WITH TYPE B INLET PROTECTION AND SILT SOCK

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 Department of Public Works
PARKS DIVISION
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MADISON PARKS



PROJECT:
2015 DOG PARK IMPROVEMENTS
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
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
1.4

Demetral Dog Park - Earthwork Quantities

City of Madison, WI Public Works Contract

Date Revised: 1/14/2015

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_Survey2014-10-05_Dog.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 Stays	n/a	Existing concrete kiosk pad to remain	n/a	n/a	99	0.00	0	0.0	0%	0.0
2.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	2069	0.50	1035	38.3	0%	38.3
2.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-9in	2069	varies	377	14.0	0%	14.0
2.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-9in	2069	varies	-25	-0.9	0%	-0.9
2.4	Grass to Asphalt	Gravel Place	Place 6in gravel base ou tot 6in from asphalt edge	n/a	n/a	2069	-0.50	-1035	-38.3	0%	-38.3
2.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	1951	-0.25	-488	-18.1	0%	-18.1
2.5	Grass to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	118	-0.25	-30	-1.1	0%	-1.1
3.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	208	0.50	104	3.9	0%	3.9
3.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	208	varies	28	1.0	0%	1.0
3.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	208	varies	-1	0.0	0%	0.0
3.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	208	-0.50	-104	-3.9	0%	-3.9

Demetral Dog Park - Earthwork Quantities

City of Madison, WI Public Works Contract

Date Revised: 1/14/2015

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	-18.1
Gravel Place	-38.3
n/a	0.0
Subsoil Excavate	15.0
Subsoil Place	-1.0
Topsoil Excavate	42.2
Topsoil Place	-4.9
Grand Total	-5.1

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	57.2	CY	= Subsoil Excavate + Topsoil Excavate
20221 Topsoil	29.6	SY	= Topsoil Place/- 167
40102 Crushed Aggregate Base Course Gradation No. 2	76.6	TONS	= Gravel Place * -2 ton/cubic yard
40201 3" Depth HMA Pavement Type E-0.3	39.0	TONS	= Asphalt Place * - 2.16 ton/cubic yard

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PARKS DIVISION

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PROJECT:

2015 DOG PARK IMPROVEMENTS

*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

Approved by: xx-xx-xxxx

PUBLIC WORKS PROJECT #:

7488

SHEET TITLE:

*DESIGN
CALCULATIONS*

SHEET NUMBER:

1.5

NOTES

1. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.

City of Madison
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PARKS DIVISION

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play
MADISON
PARKS

Graphical Scale
 0 50 ft



PROJECT:

2015 DOG PARK
IMPROVEMENTS

SYCAMORE PARK
4517 SYCAMORE AVE
MADISON, WI 53704

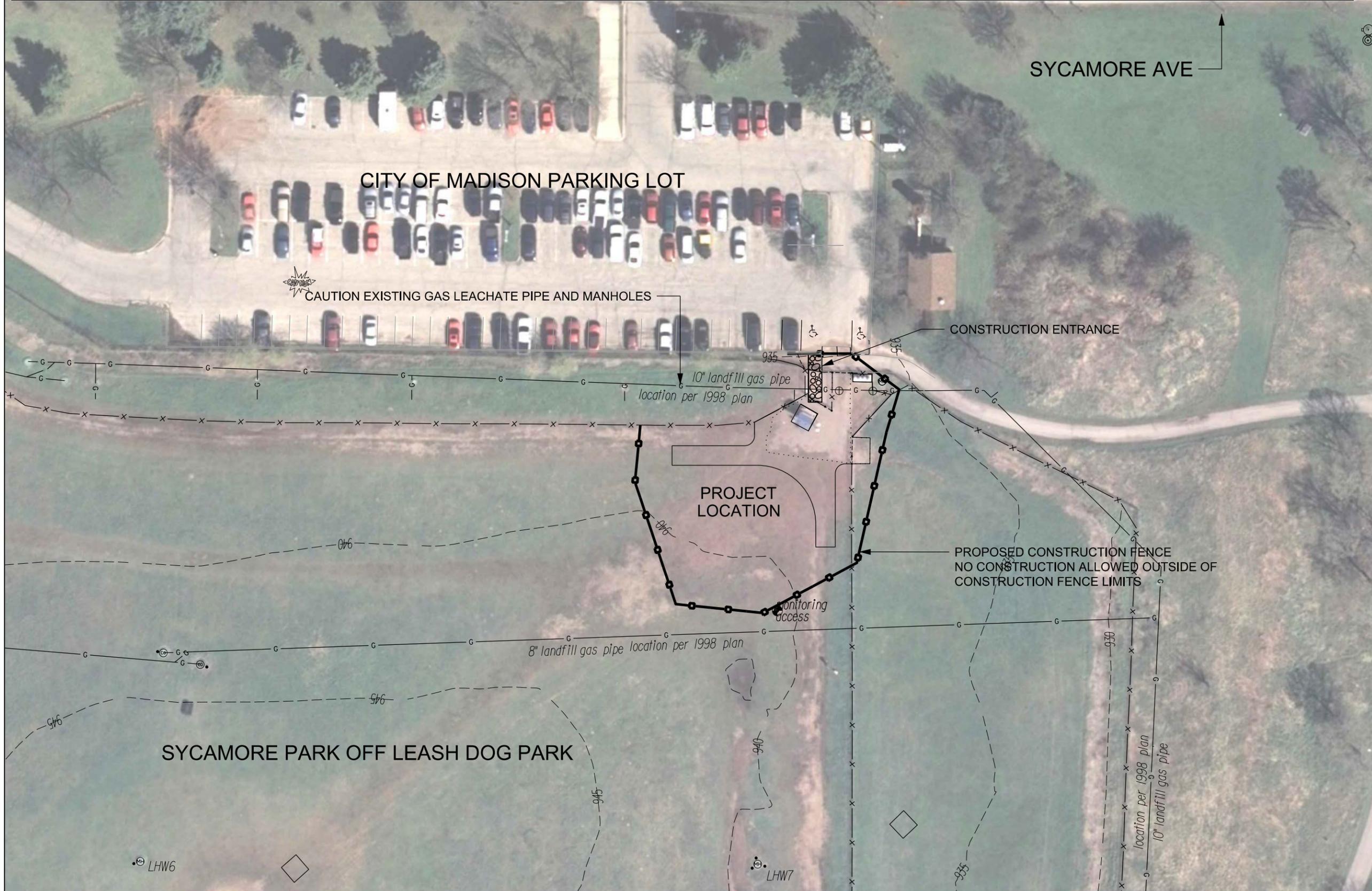
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ITEM	DATE
Drawn by: SCL	03-06-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
PROJECT LOCATION
AND SITE ACCESS

SHEET NUMBER:
2.1



City of Madison
 Department of Public Works
PARKS DIVISION

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play
MADISON
PARKS

Graphical Scale



PROJECT:

2015 DOG PARK IMPROVEMENTS

SYCAMORE PARK
 4517 SYCAMORE AVE
 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
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
2.2

LEGEND

-  REMOVE EX. LAWN
-  REMOVE EX. LANDSCAPE PAVER
-  PRO. CONSTRUCTION ENTRANCE
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  EX. FENCE
-  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. TEMPORARILY REMOVE FENCING AS NECESSARY FOR ASPHALT PAVING.
3. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.
4. SYCAMORE DOG PARK IS AN EXISTING LANDFILL WITH A COMPOSITE MEMBRANE 24" BELOW THE SURFACE. THE CONTRACTOR MUST NOT REMOVE THE EXISTING FENCE POSTS, AND MUST PAVE AROUND EXISTING FENCE POSTS (MAY REMOVE FABRIC AND FASTENERS). ANY DAMAGE TO THE EXISTING MEMBRANE MUST BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE. THE GRADING PLAN HAS BEEN DESIGNED TO ACCOMODATE THIS EXISTING MEMBRANE, AND MAXIMUM DEPTH OF EXCAVATION IS DESIGNED TO BE 10" FROM THE EXISTING SURFACE.
5. THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG PRIOR TO EACH CONSTRUCTION DAY AT SYCAMORE PARK.

CONSTRUCTION ENTRANCE



CAUTION: EXISTING GAS EXTRACTION WELL MANHOLE LOCATED JUST OUTSIDE OF EXISTING FENCING

EXISTING GAS LEACHATE PIPE ~7' BELOW GRADE

CAUTION: EXISTING GAS EXTRACTION WELL MANHOLE LOCATED JUST OUTSIDE OF EXISTING FENCING

10" landfill gas pipe location per 1998 plan

CITY TO RELOCATE DOG WASTE BAGS PRIOR TO CONSTRUCTION PROTECT EXISTING KIOSK AND CONCRETE

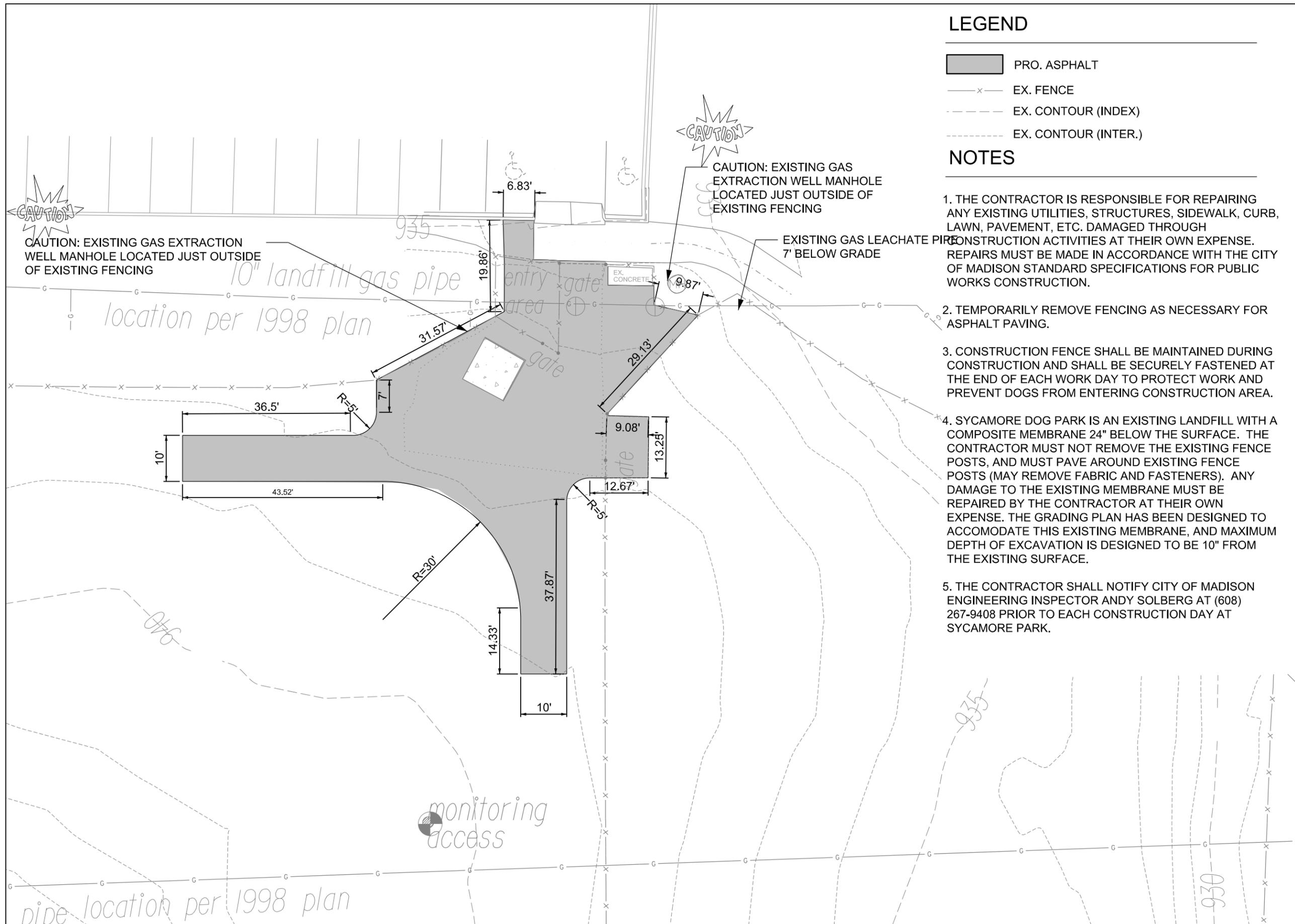
REMOVE EXISTING PAVERS AND EXCAVATE/FILL TO PROPOSED SUBGRADE

REMOVE EX. SOD AND EXCAVATE/FILL TO PROPOSED SUBGRADE

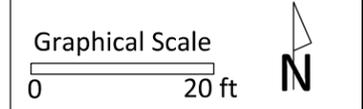
PLACE CONSTRUCTION FENCE PRIOR TO CONSTRUCTION

monitoring access

pipe location per 1998 plan



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play MADISON PARKS



PROJECT:
2015 DOG PARK IMPROVEMENTS

SYCAMORE PARK
 4517 SYCAMORE AVE
 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
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Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
2.3

TYPE D, HYBRID INLET PROTECT AT FOUR INLETS AT INTERSECTION OF ENTRANCE TO PARK AND SYCAMORE AVE.

LEGEND

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

NOTES

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5. THE CONTRACTOR SHALL NOTIFY CITY OF MADISON ENGINEERING INSPECTOR ANDY SOLBERG AT (608) 267-9408 PRIOR TO EACH CONSTRUCTION DAY AT SYCAMORE PARK.

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play
MADISON PARKS

Graphical Scale
0 20 ft 

PROJECT:
2015 DOG PARK IMPROVEMENTS

SYCAMORE PARK
4517 SYCAMORE AVE
MADISON, WI 53704

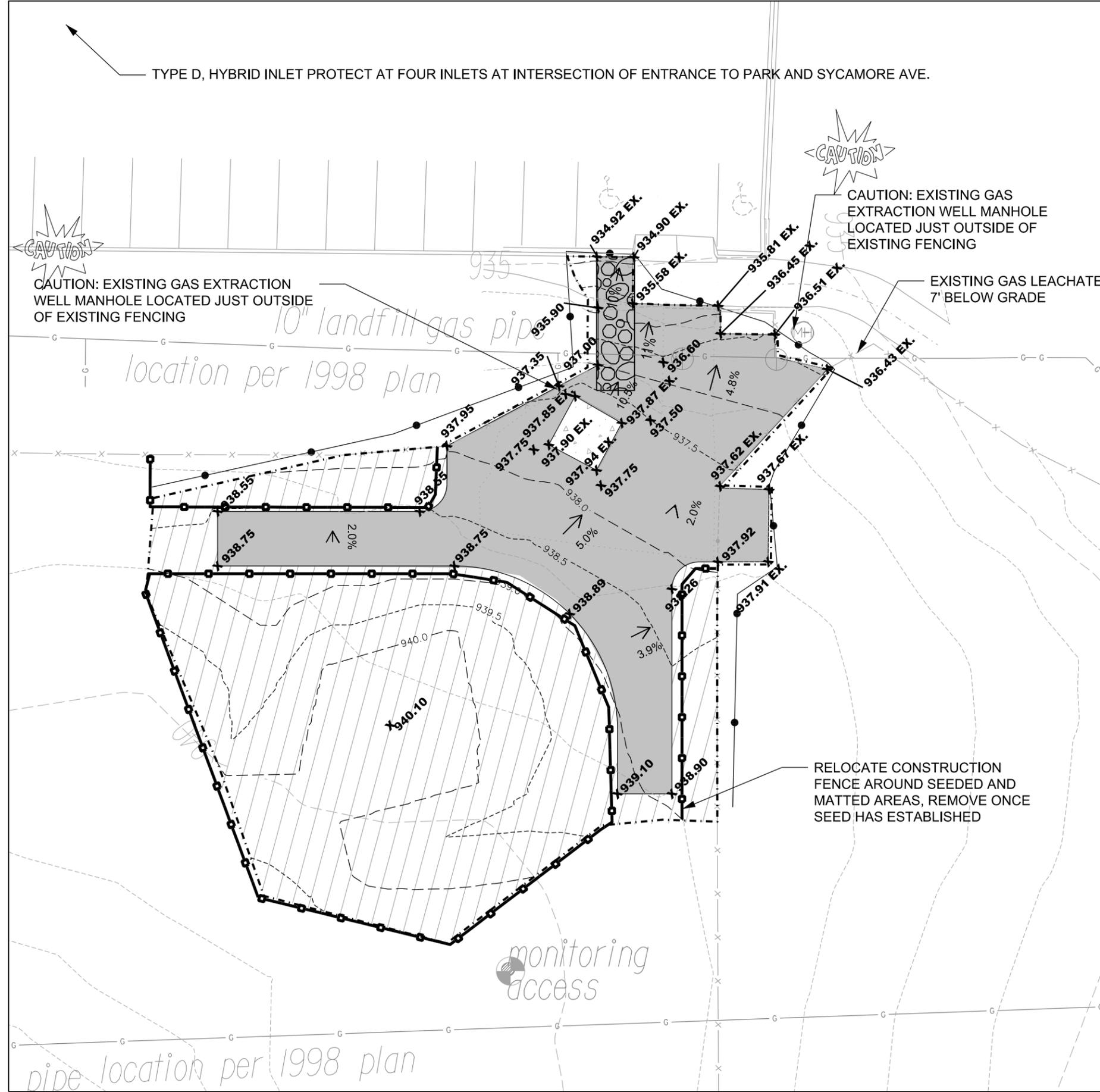
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Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
2.4



Sycamore Dog Park Entrance - Earthwork Quantities											
City of Madison, WI Public Works Contract											
Date Revised: Jan 8 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	Sycamore_SurveyComb2013-08-09.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	Conc Stays	n/a	Concrete kiosk pad remains	n/a	n/a	99	0.00	0	0.0	0%	0.0
2.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1886	0.50	943	34.9	0%	34.9
2.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-9in	1886	varies	137	5.1	0%	5.1
2.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-9in	1886	varies	-263	-9.7	0%	-9.7
2.4	Grass to Asphalt	Gravel Place	Place 6in deep gravel, to 6in out from asphalt edge	n/a	n/a	1886	-0.50	-943	-34.9	0%	-34.9
2.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	1720	-0.25	-430	-15.9	0%	-15.9
2.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	166	-0.25	-42	-1.5	0%	-1.5
3.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	5355	0.50	2678	99.2	0%	99.2
3.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	5355	varies	333	12.3	0%	12.3
3.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	5355	varies	-1655	-61.3	0%	-61.3
3.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	5355	-0.50	-2678	-99.2	0%	-99.2
4.1	Gravel to Asphalt	Gravel Excavate	Remove gravel (est 6in)	n/a	n/a	59	0.50	30	1.1	0%	1.1
4.2	Gravel to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-9in	59	varies	10	0.4	0%	0.4
4.3	Gravel to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-9in	59	varies	0	0.0	0%	0.0
4.4	Gravel to Asphalt	Gravel Place	Place 6in deep gravel, to 6in out from asphalt edge	n/a	n/a	59	-0.50	-30	-1.1	0%	-1.1
4.5	Gravel to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	55	-0.25	-14	-0.5	0%	-0.5
4.6	Gravel to Asphalt	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	4	-0.25	-1	0.0	0%	0.0
5.1	Gravel to Grass	Gravel Excavate	Remove gravel (est 6in)	n/a	n/a	26	0.50	13	0.5	0%	0.5
5.2	Gravel to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	26	varies	0	0.0	0%	0.0
5.3	Gravel to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	26	varies	0	0.0	0%	0.0
5.4	Gravel to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	26	-0.50	-13	-0.5	0%	-0.5
6.1	Pavers to Asphalt	Pavers Excavate	Remove paver blocks (est 4in depth)	n/a	n/a	1525	0.33	508	18.8	0%	18.8
6.2	Pavers to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-4in	Pro-9in	1525	varies	462	17.1	0%	17.1
6.3	Pavers to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-4in	Pro-9in	1525	varies	-16	-0.6	0%	-0.6
6.4	Pavers to Asphalt	Gravel Place	Place 6in deep gravel, to 6in out from asphalt edge	n/a	n/a	1525	-0.50	-763	-28.2	0%	-28.2
6.5	Pavers to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	1518	-0.25	-380	-14.1	0%	-14.1
6.6	Pavers to Asphalt	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	7	-0.25	-2	-0.1	0%	-0.1
7.1	Pavers to Grass	Pavers Excavate	Remove paver blocks (est 4in depth)	n/a	n/a	17	0.33	6	0.2	0%	0.2
7.2	Pavers to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-4in	Pro-6in	17	varies	3	0.1	0%	0.1
7.3	Pavers to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-4in	Pro-6in	17	varies	0	0.0	0%	0.0
7.4	Pavers to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	17	-0.50	-9	-0.3	0%	-0.3

Sycamore Dog Park Entrance - Earthwork Quantities			
City of Madison, WI Public Works Contract			
Date Revised: Jan 8 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	-30.5		
Gravel Excavate	1.6		
Gravel Place	-64.3		
n/a	0.0		
Pavers Excavate	19.0		
Subsoil Excavate	35.0		
Subsoil Place	-71.6		
Topsoil Excavate	134.1		
Topsoil Place	-101.6		
Grand Total	-78.3		
Subsoil deficit	-36.6		
Topsoil surplus	32.5		
Net subsoil & topsoil	-4.1		
Current design (Pro_1): 61 cu yd of subsoil placement under proposed grass.			
Surplus topsoil can contribute to that subsoil			
Reorganized into bid table items			
Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	190	CY	= Subsoil Excavate + Topsoil Excavate + Pavers Excavate + Gravel Excavate
20201 Fill	37	CY	= (Subsoil Excavate + Subsoil Place)*-1
20221 Topsoil	608	SY	= Topsoil Place /-.167
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	129	tons	= (Gravel Place) * -2 ton/cubic yard
40201 3" Depth HMA	65.9	tons	= Asphalt Place * -2.16 ton/cubic yard

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MADISON PARKS

PROJECT:
2015 DOG PARK IMPROVEMENTS

SYCAMORE PARK
4517 SYCAMORE AVE
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
Approved by: _____ xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
2.5

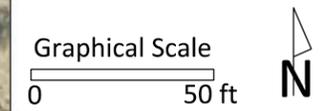
NOTES

1. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.

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PROJECT:

*2015 DOG PARK
 IMPROVEMENTS*

*WARNER PARK
 2301 SHERIDAN DRIVE
 MADISON, WI 53704*

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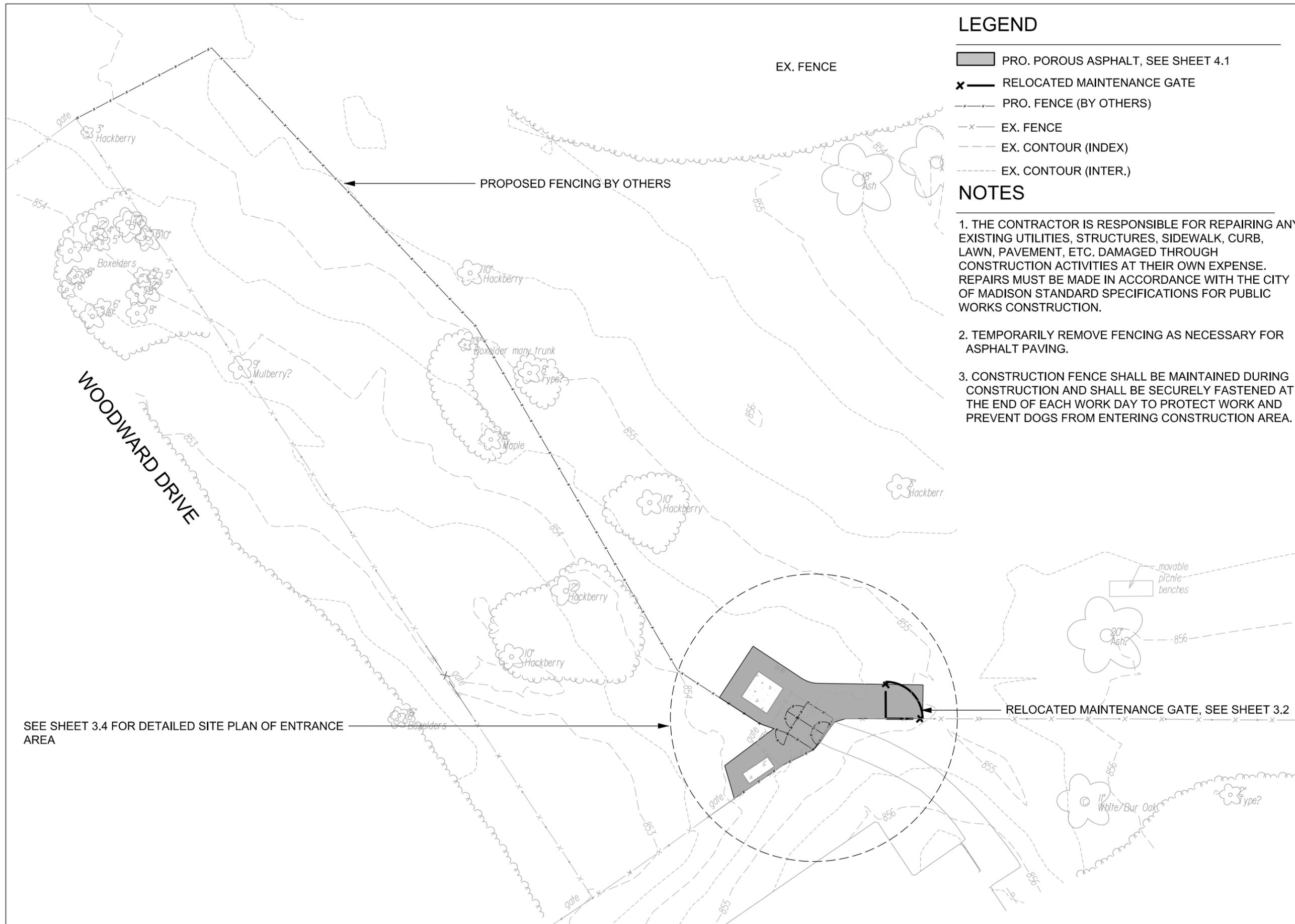
ITEM	DATE
Drawn by: SCL	03-06-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
*PROJECT LOCATION
 AND SITE ACCESS*

SHEET NUMBER:
3.1





LEGEND

- PRO. POROUS ASPHALT, SEE SHEET 4.1
- x** — RELOCATED MAINTENANCE GATE
- x—x— PRO. FENCE (BY OTHERS)
- x- EX. FENCE
- - - EX. CONTOUR (INDEX)
- · - · - EX. CONTOUR (INTER.)

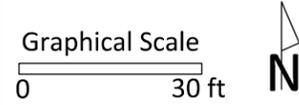
NOTES

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. TEMPORARILY REMOVE FENCING AS NECESSARY FOR ASPHALT PAVING.
3. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.

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PROJECT:
2015 DOG PARK
IMPROVEMENTS

WARNER PARK
2301 SHERIDAN DRIVE
MADISON, WI 53704

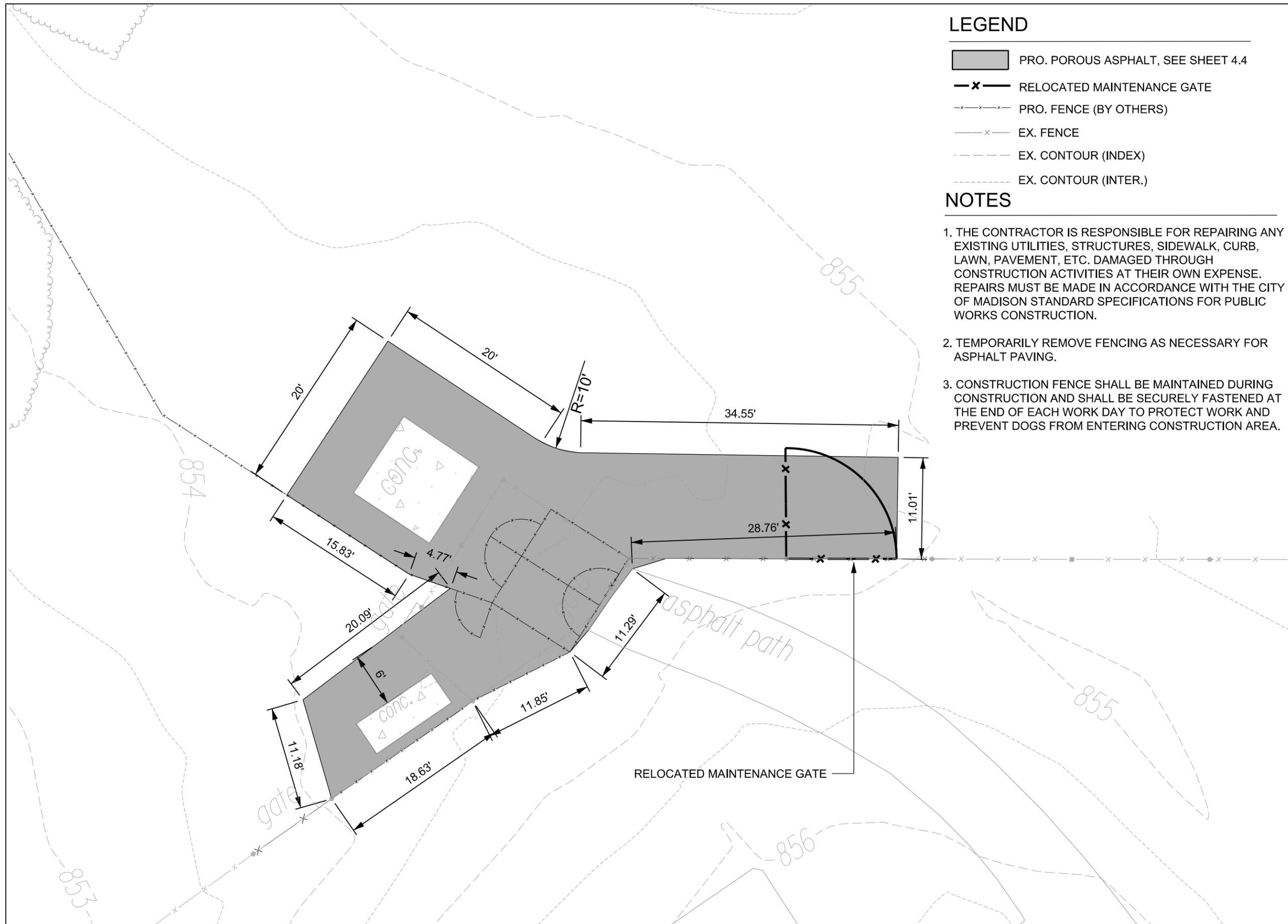
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ITEM	DATE
Drawn by: SCL	03-06-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
SITE PLAN -
OVERALL

SHEET NUMBER:
3.3



LEGEND

- PRO. POROUS ASPHALT, SEE SHEET 4.4
- x RELOCATED MAINTENANCE GATE
- PRO. FENCE (BY OTHERS)
- EX. FENCE
- 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. TEMPORARILY REMOVE FENCING AS NECESSARY FOR ASPHALT PAVING.
3. CONSTRUCTION FENCE SHALL BE MAINTAINED DURING CONSTRUCTION AND SHALL BE SECURELY FASTENED AT THE END OF EACH WORK DAY TO PROTECT WORK AND PREVENT DOGS FROM ENTERING CONSTRUCTION AREA.

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Graphical Scale
 0 10 ft



PROJECT:

2015 DOG PARK
IMPROVEMENTS

WARNER PARK
2301 SHERIDAN DRIVE
MADISON, WI 53704

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

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
SITE PLAN -
ENTRANCE

SHEET NUMBER:
3.4

Sort	Grp	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	Concrete Stays	n/a	Existing kiosk & trash barrel concrete pads remain	n/a	n/a	136	0.00	0	0.0	0%	0.0
2.1	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	221	0.50	111	4.1	0%	4.1
2.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-13in	221	varies	114	4.2	0%	4.2
2.3	Grass to Asphalt	Stone Place (bottom)	Place 8in bottom course clear stone (1in size)	n/a	n/a	221	-0.67	-147	-5.5	0%	-5.5
2.4	Grass to Asphalt	Stone Place (top)	Place 2in top course clear stone (pavement course)	n/a	n/a	221	-0.17	-37	-1.4	0%	-1.4
2.5	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	198	-0.25	-50	-1.8	0%	-1.8
2.6	Grass to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	23	-0.25	-6	-0.2	0%	-0.2
3.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	30	0.50	15	0.6	0%	0.6
3.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	30	varies	1	0.1	0%	0.1
3.3	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	30	-0.50	-15	-0.6	0%	-0.6
4.1	Pavers to Asphalt	Pavers Excavate	Remove existing paver blocks, estimated 4in depth	n/a	n/a	1041	0.33	347	12.9	0%	12.9
4.2	Pavers to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-4in	Pro-13in	1041	varies	774	28.7	0%	28.7
4.3	Pavers to Asphalt	Stone Place (bottom)	Place 8in bottom course clear stone (1in size)	n/a	n/a	1041	-0.67	-694	-25.7	0%	-25.7
	Pavers to Asphalt	Stone Place (top)	Place 2in top course clear stone (pavement course)	n/a	n/a	1041	-0.17	-174	-6.4	0%	-6.4
4.4	Pavers to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	961	-0.25	-240	-8.9	0%	-8.9
4.5	Pavers to Asphalt	Topsoil Place	Place 3in topsoil on 6in wide gravel edge	n/a	n/a	80	-0.25	-20	-0.7	0%	-0.7
5.1	Pavers to Grass	Pavers Excavate	Remove existing paver blocks, estimated 4in depth	n/a	n/a	655	0.33	218	8.1	0%	8.1
5.1	Pavers to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-4in	Pro-6in	655	varies	114	4.2	0%	4.2
5.1	Pavers to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	655	-0.50	-328	-12.1	0%	-12.1

Warner Dog Park Southwest - Earthwork Quantities

Date Revised: 1/15/2015

Derived from more detailed spreadsheet available from Parks Div

Computation Summary

Positive volumes are cuts (material available), negative volumes are fills (material needed)
Assumes excavate 17in existing play surface, 12in new play surface, new path 9in gravel + 3in

Row Labels	Sum of Unfac-tored volume (cu yd)	Check / Notes
Asphalt Place	-10.7	Asphalt 1159 sq ft x 3in = 10.7 cu yd x 2.16 ton/cu yd = 23 ton
n/a	0.0	Gravel w/ fines 1.9-2.0 ton/cu yd
Pavers Excavate	20.9	
Stone Place (bottom)	-31.2	Stone bottom course 1262 sq ft x 8in = 31.2 cu yd x ? ton / cu yd
Stone Place (top)	-7.8	Stone top course 1262 sq ft x 2in = 7.8 cu yd x ? ton / cu yd
Subsoil Excavate	37.2	
Topsoil Excavate	4.6	
Topsoil Place	-13.6	
Grand Total	-0.6	

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	63	CY	= Subsoil Excavate + Topsoil Excavate + Pavers Excavate
20221 Topsoil	82	SY	= Topsoil Place/- .167
40206 Porous Asphalt	23	CY	= Asphalt Place*-2.16 ton/cubic yard
20300 1" Clear Stone	57.6	TON	= Stone Place (bottom) * - 1.85 ton/cubic yard
20301 3/8" Clear Stone Pavement Course	16	TON	= Stone Place (top) * -2 ton/cubic yard

City of Madison Department of Public Works PARKS DIVISION

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**MADISON
PARKS**

PROJECT:

*2015 DOG PARK
IMPROVEMENTS*

*WARNER PARK
2301 SHERIDAN DRIVE
MADISON, WI 53704*

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

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
*DESIGN
CALCULATIONS*

SHEET NUMBER:
3.6

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**MADISON
 PARKS**

PROJECT:

*2015 DOG PARK
 IMPROVEMENTS*

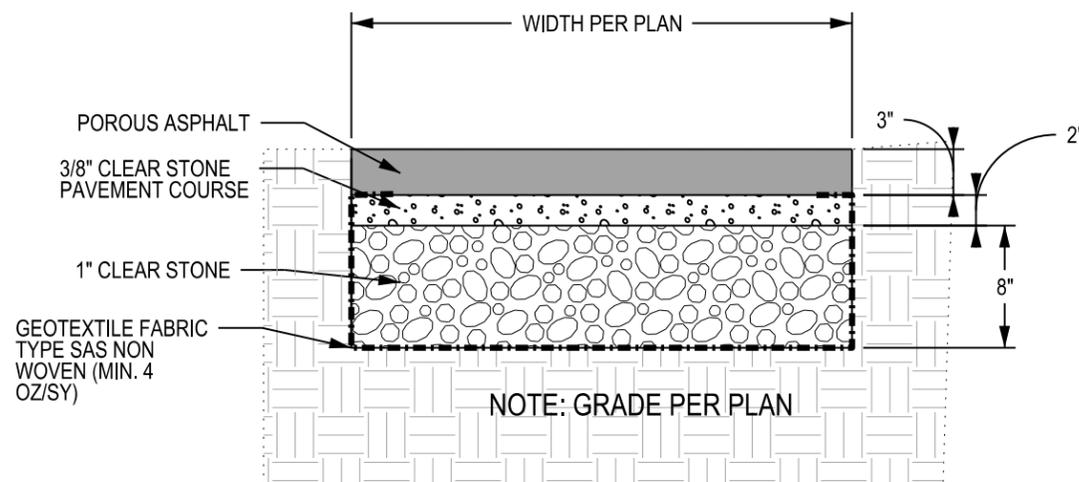
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ITEM	DATE
Drawn by: SCL	03-06-2015
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
7488

SHEET TITLE:
*WARNER DOG PARK
 POROUS ASPHALT
 DETAIL*

SHEET NUMBER:
4.1



1	WARNER DOG PARK POROUS ASPHALT DETAIL
4.1	N.T.S.