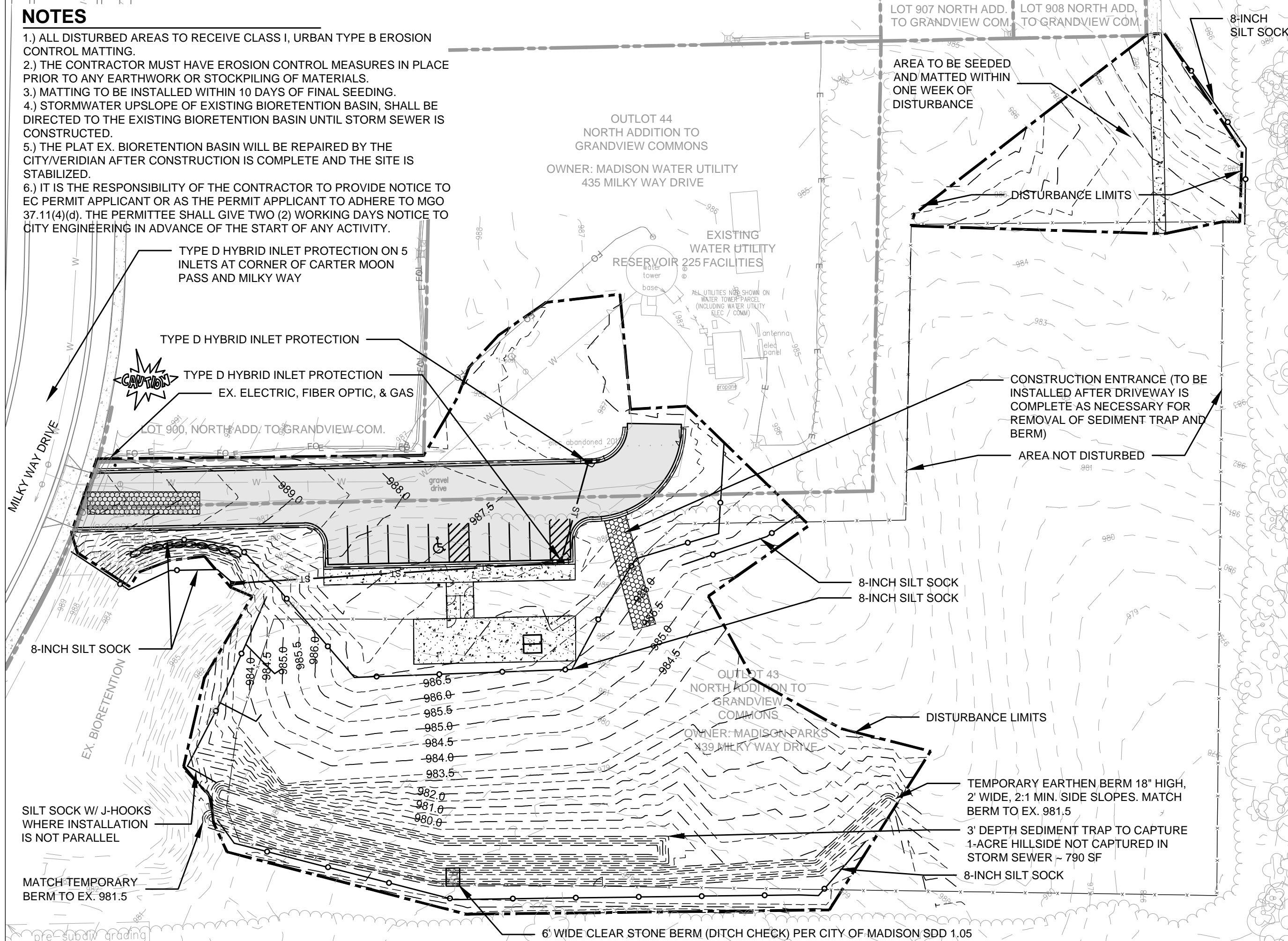


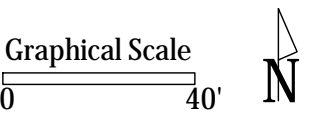
NOTES

- 1.) ALL DISTURBED AREAS TO RECEIVE CLASS I, URBAN TYPE B EROSION CONTROL MATTING.
- 2.) THE CONTRACTOR MUST HAVE EROSION CONTROL MEASURES IN PLACE PRIOR TO ANY EARTHWORK OR STOCKPILING OF MATERIALS.
- 3.) MATTING TO BE INSTALLED WITHIN 10 DAYS OF FINAL SEEDING.
- 4.) STORMWATER UPSLOPE OF EXISTING BIORETENTION BASIN, SHALL BE DIRECTED TO THE EXISTING BIORETENTION BASIN UNTIL STORM SEWER IS CONSTRUCTED.
- 5.) THE PLAT EX. BIORETENTION BASIN WILL BE REPAIRED BY THE CITY/VERIDIAN AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- 6.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE NOTICE TO EC PERMIT APPLICANT OR AS THE PERMIT APPLICANT TO ADHERE TO MGO 37.11(4)(d). THE PERMITTEE SHALL GIVE TWO (2) WORKING DAYS NOTICE TO CITY ENGINEERING IN ADVANCE OF THE START OF ANY ACTIVITY.



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

play
**MADISON
 PARKS**



PROJECT:
**NORTH STAR
 DOG PARK**

**439 MILKY WAY
 MADISON, WI 53718**

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
ADVERTISED TO BID: SCL	08/29/2019
ADDENDUM #1	09/11/2019
ADDENDUM #2	09/16/2019
ADDENDUM #3	09/18/2019
ADDENDUM #4	09/24/2019

PUBLIC WORKS PROJECT #:
8441

SHEET TITLE:
EROSION CONTROL PLAN

SHEET NUMBER:
4.0

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 6" topsoil	n/a	n/a	4920	0.50	2460	91.1	0%	91.1
1.2	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-15.5in	4920	varies	34.29	1.3	0%	1.3
1.3	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-15.5in	4920	varies	-6570.06	-243.3	0%	-243.3
1.4	Grass to Asphalt	Gravel Place	Place 1' depth gravel base	n/a	n/a	4920	-1.00	-4920	-182.2	0%	-182.2
1.5	Grass to Asphalt	Asphalt Place	Place 3.5" asphalt	n/a	n/a	4920	-0.29	-1432	-53.0	0%	-53.0
2.1	Grass to Grass	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	55015	0.50	27507.50	1018.8	0%	1018.8
2.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	55015	varies	3418.81	126.6	0%	126.6
2.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	55015	varies	-112617.04	-4171.0	0%	-4171.0
2.4	Grass to Grass	Topsoil Place	Place 6" topsoil	n/a	n/a	55015	-0.50	-27507.50	-1018.8	0%	-1018.8
3.1	Grass to 5-inch Concrete	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	490	0.50	245	9.1	0%	9.1
3.2	Grass to 5-inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-8inch	490	varies	77.31	2.9	0%	2.9
3.3	Grass to 5-inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-8inch	490	varies	-10	-0.4	0%	-0.4
3.4	Grass to 5-inch Concrete	Concrete Place	Place 5" of concrete	n/a	n/a	490	-0.42	-204	-7.6	0%	-7.6
3.5	Grass to 5-inch Concrete	Gravel Place	Place 3" of gravel	n/a	n/a	490	-0.25	-123	-4.5	0%	-4.5
4.1	Grass to 7-inch Concrete	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	2416	0.50	1208	44.7	0%	44.7
4.2	Grass to 7-inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-10inch	2416	varies	0.00	0.0	0%	0.0
4.3	Grass to 7-inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-10inch	2416	varies	-10386	-384.7	0%	-384.7
4.4	Grass to 7-inch Concrete	Concrete Place	Place 5" of concrete	n/a	n/a	2416	-0.58	-1409	-52.2	0%	-52.2
4.5	Grass to 7-inch Concrete	Gravel Place	Place 3" of gravel	n/a	n/a	2416	-0.25	-604	-22.4	0%	-22.4
5.1	Grass to Curb	Topsoil Excavate	Strip 6" topsoil	Ex-6in	Pro-18in	817	0.50	408	15.1	0%	15.1
5.2	Grass to Curb	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-18in	817	varies	23.42	0.9	0%	0.9
5.3	Grass to Curb	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-18in	817	varies	-1020	-37.8	0%	-37.8
5.4	Grass to Curb	Curb Place	Place 12" concrete curb	n/a	n/a	817	-1.00	-817	-30.2	0%	-30.2
5.5	Grass to Curb	Gravel Place	Place 6" of gravel	n/a	n/a	817	-0.50	-408	-15.1	0%	-15.1
6.1	Gravel to Curb	Topsoil Excavate	Strip 6" topsoil	Ex-9in	Pro-18in	308	0.75	231	8.6	0%	8.6
6.2	Gravel to Curb	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-9in	Pro-18in	308	varies	23.07	0.9	0%	0.9
6.3	Gravel to Curb	Subsoil Place	Fill subsoil to proposed subgrade	Ex-9in	Pro-18in	308	varies	-81	-3.0	0%	-3.0
6.4	Gravel to Curb	Curb Place	Place 12" concrete curb	n/a	n/a	308	-1.00	-308	-11.4	0%	-11.4
6.5	Gravel to Curb	Gravel Place	Place 6" of gravel	n/a	n/a	308	-0.50	-154	-5.7	0%	-5.7
7.1	Gravel to Grass	Topsoil Excavate	Strip 6" topsoil	n/a	n/a	148	0.50	74	2.7	0%	2.7
7.2	Gravel to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6inch	Pro-6inch	148	varies	0	0.0	0%	0.0
7.3	Gravel to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6inch	Pro-6inch	148	varies	-215	-8.0	0%	-8.0
7.4	Gravel to Grass	Topsoil Place	Place 6" of topsoil	n/a	n/a	148	-0.50	-74	-2.7	0%	-2.7
8.1	Gravel to Asphalt	Gravel Excavate	Strip 9" of gravel	n/a	n/a	3583	0.75	2687	99.5	0%	99.5
8.2	Gravel to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-15.5in	3583	varies	14.47	0.5	0%	0.5
8.3	Gravel to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-15.5in	3583	varies	-2316.51	-85.8	0%	-85.8
8.4	Gravel to Asphalt	Gravel Place	Place 1' depth gravel base	n/a	n/a	3583	-1.00	-3583	-132.7	0%	-132.7
8.5	Gravel to Asphalt	Asphalt Place	Place 3.5" asphalt	n/a	n/a	3583	-0.29	-1043	-38.6	0%	-38.6

North Star Dog Park

City of Madison Public Works Contract
Date Revised: 8/7/2019

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	-91.6
Subsoil Excavate	133.0
Subsoil Place	-4933.9
Topsoil Excavate	1190.1
Topsoil Place	-1021.5
Concrete Place	-59.8
Gravel Place	-362.7
Grand Total	-5146.3

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	1323	CY	= Subsoil Excavate + Topsoil Excavate
20202 Fill - Borrow	4801	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	6117	SY	= (Topsoil Place)/-. 167
40102 Crushed Aggregate Base Course Gradation No. 2	725	tons	= (Gravel Place) * -2 ton/cubic yard
40202 HMA Pavement 4 LT 58-28 S	197.9	tons	= Asphalt Place * -2.16 ton/cubic yard

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PUBLIC WORKS PROJECT #:
8441

SHEET TITLE:

**DESIGN
CALCULATIONS**

SHEET NUMBER:

9.0