

RICE LAKE - LAKE PROTECTION & REHABILITATION DISTRICT  
BARRON COUNTY FAIRGROUNDS  
AREA "B" BMP  
BARRON COUNTY, WISCONSIN

STANDARD SYMBOLS

EXISTING WATER VALVE

PROPOSED WATER VALVE

EXISTING CURBSTOP

PROPOSED CURBSTOP

PROPOSED MANHOLE

EX. SAN. MANHOLE

EX. STORM MANHOLE

EXISTING CATCH BASIN OR INLET

PROPOSED CATCH BASIN OR INLET

EXISTING HYDRANT

PROPOSED HYDRANT

CLEANOUT

TELEPHONE PED

UTILITY POLE

GUY WIRE ANCHOR

ELECTRIC PEDESTAL

LIGHT POLE

CABLE TV PEDESTAL

CONIFEROUS TREE

DECIDUOUS TREE

ANY STUMP

SHRUB

PROPOSED CULVERT

1-POST SIGN

2-POST SIGN

TRAFFIC SIGNAL

IRON ROD

BENCHMARK OR SECTION CORNER LOCATION

SECTION CORNER

IRON PIPE

CONTROL POINT

EXISTING RIGHT OF WAY

PROPOSED RIGHT OF WAY

SOIL BORING

PIEZOMETER

MONITORING/WATER WELL

EXISTING CONTOURS

PROPOSED CONTOURS

COMBUSTIBLE FLUID

TREE LINE

TRAFFIC FLOW

CENTERLINE

HANDICAP

MAILBOX

MARSH/WETLAND

RAILROAD TRACKS

SILT FENCE (SLOPE TOE)

BARBED WIRE FENCE

CHAINLINK FENCE

WOODEN FENCE

SHORELINE

STONEWALL

GUARDRAIL

TEXT

UTILITY LINE WITH TEXT

STM=STORM SEWER

SAN=SANITARY SEWER

TV=CABLE TELEVISION

UGE/OE=ELECTRIC

TEL=TELEPHONE

GAS=GAS

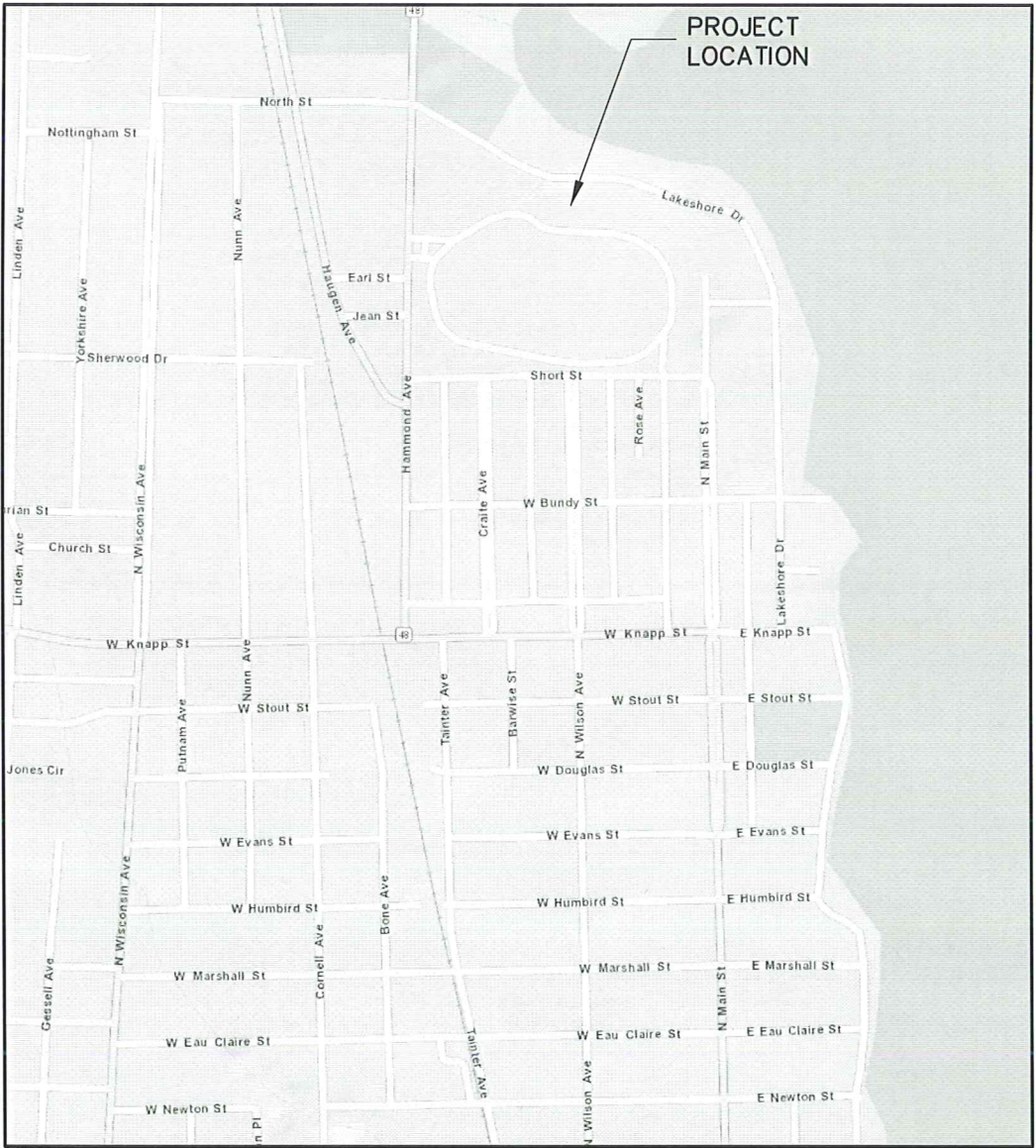
WTR=WATER

PROPOSED SANITARY SEWER

PROPOSED STORM SEWER

PROPOSED WATERMAIN

PROPOSED FORCEMAIN



RIVER FALLS, WI



SHEET INDEX	
SHEET	SHEET DESCRIPTION
1	TITLE SHEET
2	PROJECT OVERVIEW
3	DETAILS
4	PLAN SHEET
5	PLANTING SCHEDULE

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DRAFT

For Client Review

8/4/2017

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY PERSONAL DIRECTION AND CONTROL AND THAT I AM A DULY REGISTERED PROFESSIONAL UNDER THE LAWS OF THE STATE OF WISCONSIN.

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BARRON COUNTY, WISCONSIN  
TITLE SHEET

SHEET NO.  
1 OF 5



Point	Northing	Easting	Elevation	Description
1	139043.2220'	334536.3300'	1148.39'	PK Nail
2	139022.4930'	334321.4600'	1150.93'	PK Nail
1000	Benchmark		1150.28'	Nail in PP

## PROJECT LOCATION

**BM 1000**

CP 2

CP 1

**HAMMOND AVENUE**

## SHORT STREET

LAKE PROTECTION & REHAB DISTRICT  
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PROJECT OVERVIEW

SHEET NO.

2 OF 5



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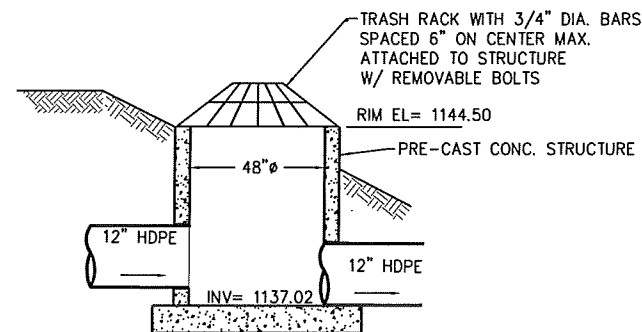
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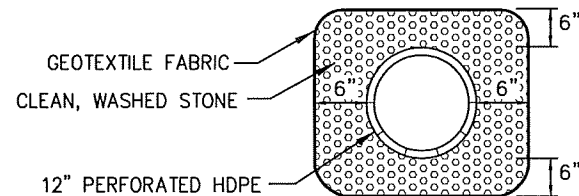


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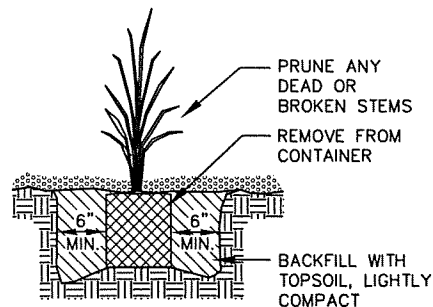


NOTES:  
STEPS NEEDED WHEN DEPTH IS GREATER THAN 4.0'

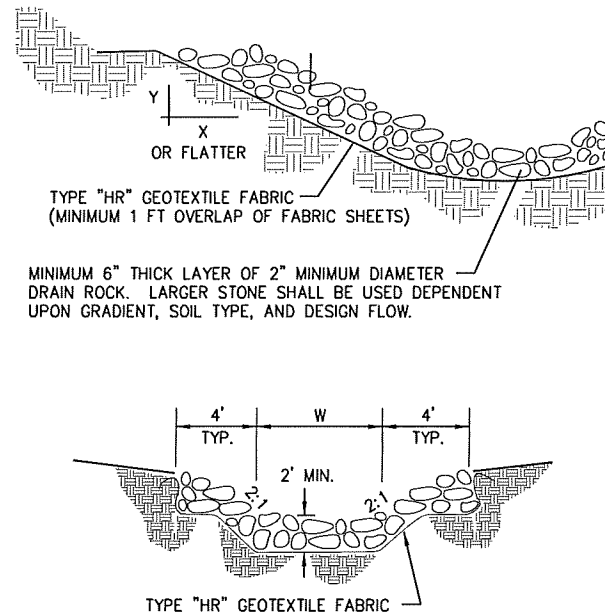
OVERFLOW STRUCTURE  
NO SCALE



STORM PIPE TRENCH DETAIL  
NO SCALE

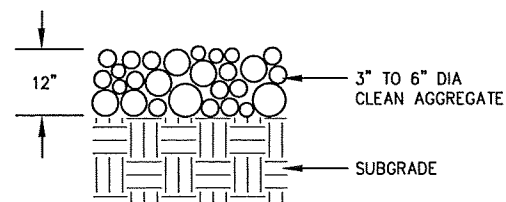


PERENNIAL, GRASS &  
VINE PLANTING DETAIL  
NO SCALE



NOTE:  
DESIGN HEIGHT (H), WIDTH (W) AND STONE SIZE  
SHALL BE DETERMINED BY THE ENGINEER.

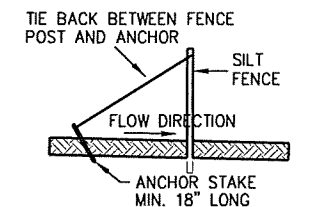
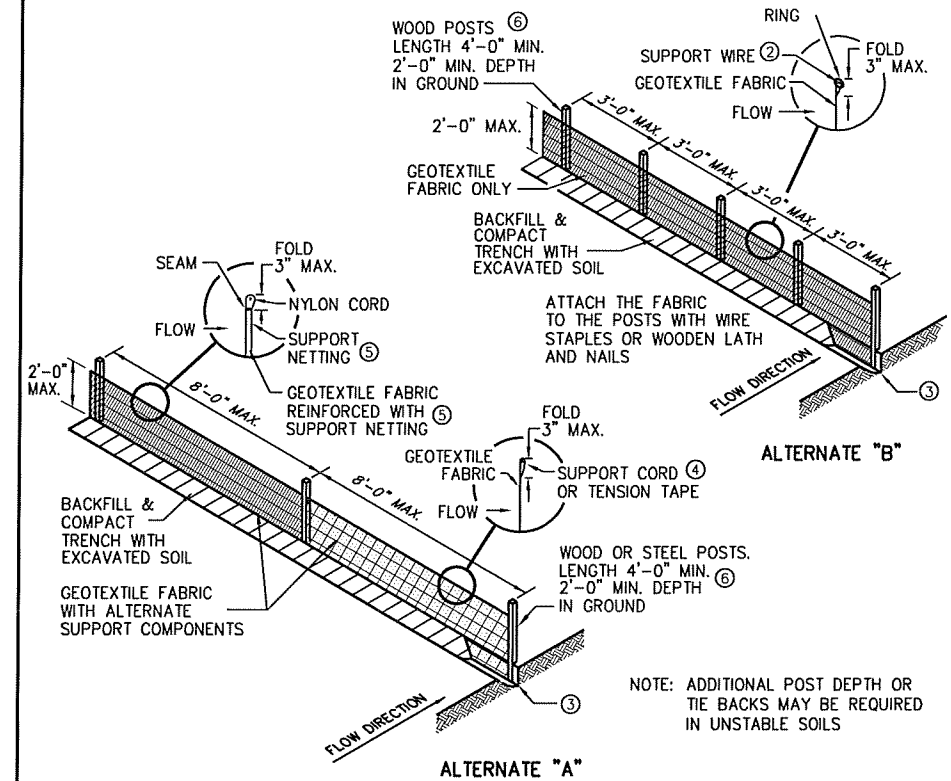
ROCK LINED CHANNEL  
NO SCALE



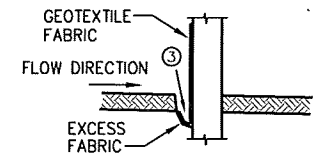
NOTES:  
TRACKING PAD AREA TO BE 50' x 20'  
UNLESS OTHERWISE NOTED.

REMOVE AND REPLACE AGGREGATE WHEN  
VOIDS BECOME FILLED WITH SEDIMENT OR IF  
SURFACE OPENINGS BECOME PLUGGED SO THAT  
TRACKING PAD DOES NOT FUNCTION

AGGREGATE TRACKING PAD  
NO SCALE



SILT FENCE TIE BACK  
(WHEN REQUIRED BY THE ENGINEER)



TRENCH DETAIL

#### GENERAL NOTES

DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM  
TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND  
APPLICABLE SPECIAL PROVISIONS.

WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR  
HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH  
STRENGTH AND EFFECTIVENESS.

- CROSS BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP  
OF POSTS AS DIRECTED BY THE ENGINEER.
- MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND  
STAPLE OR PLACE WIRE RINGS ON 12" C-C.
- EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY  
AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT  
TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH  
A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC  
TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
- GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL  
POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4"  
OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT  
IS REQUIRED.
- STEEL POSTS SHALL BE STUDDED "TEE" OF "U" TYPE WITH A MINIMUM  
WEIGHT OF 1.28 LBS/LINEAL FOOT (WITHOUT ANCHOR). FIN ANCHORS  
SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS  
FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE  
A MINIMUM SIZE OF 1-1/8"x1-1/8" OAK OR HICKORY.

ALTERNATES A & B ARE EQUAL AND EITHER MAY BE USED.

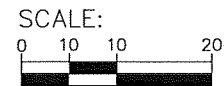
SILT FENCE  
NO SCALE

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LAKE PROTECTION & REHAB DISTRICT  
FAIRGROUNDS AREA "B" BMP  
BARRON COUNTY, WISCONSIN  
CONSTRUCTION DETAILS

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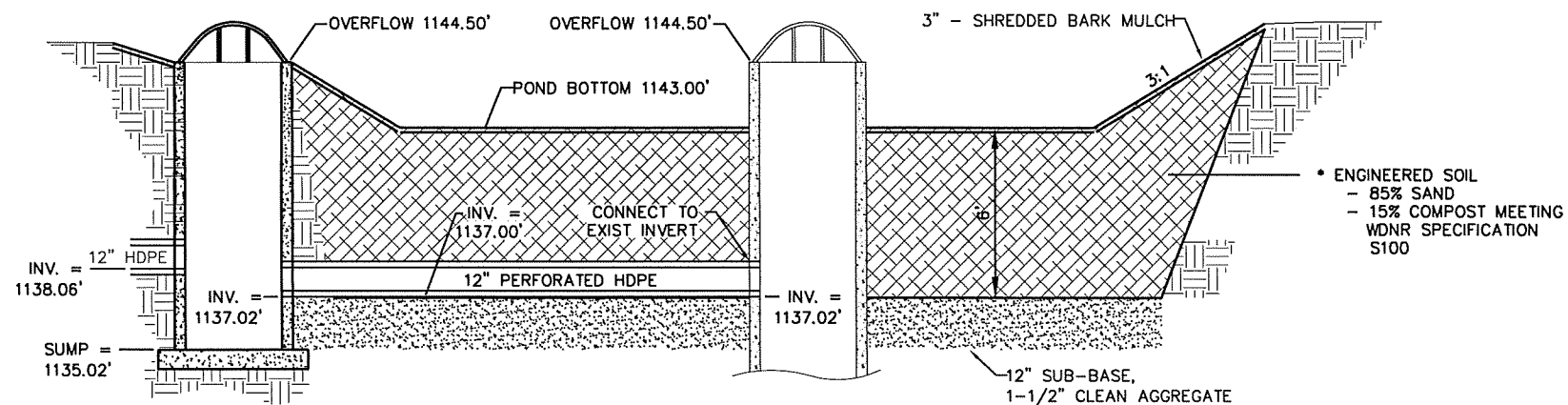


STM MH 1  
RIM EL = 1144.50  
INV IN NW = 1138.06 12" HDPE  
INV OUT SE = 1137.02 12" HDPE  
DEPTH = 9.48'  
CONNECT TO EXIST PIPE

EXIST STM MH  
RIM EL = 1144.52  
INV IN NW = 1137.02 12" HDPE  
INV IN E = 1135.02 24" RCP  
INV OUT N = 1126.22 24" RCP  
INV OUT NE = 1126.22 24" RCP  
DEPTH = 18.30'

NOTES:  
REMOVE, AND PROPERLY DISPOSE  
OFFSITE, EXISTING BURIED DEBRIS  
FROM POND EXCAVATION AREA

SEE SOILS REPORT FOR BORING  
INFORMATION ON DR-1, DR-2



#### RAIN GARDEN

NOTES:  
NO SCALE  
• THE CONTRACTOR SHALL NOT DRIVE ANY HEAVY EQUIPMENT ON OR AROUND THE  
RETENTION POND BOTTOM.

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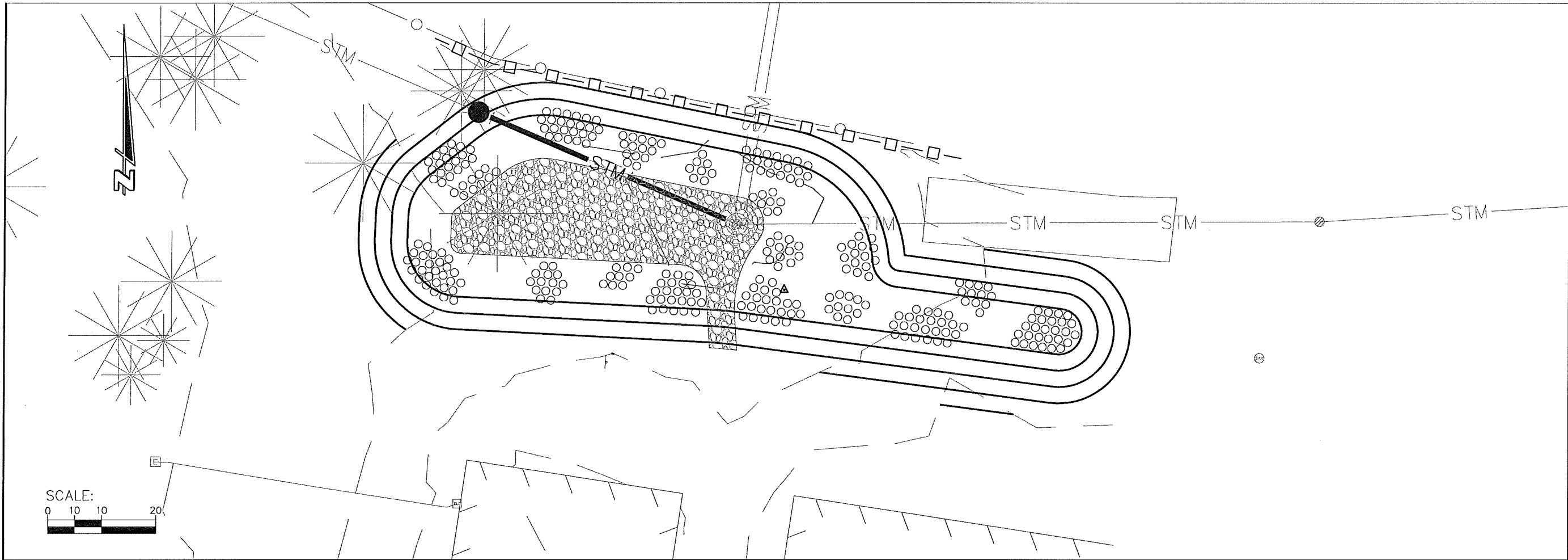
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PLAN SHEET

SHEET NO.
4 OF 5

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#### PLANTING SCHEDULE

KEY	QTY.	COMMON NAME	BOTANIC NAME	SIZE	ROOT	REMARKS
SDL	45	STELLA d' ORO DAYLILLY	HEMEROCALLIS 'STELLA D' ORO'	8" HT.	#SP4	FULL
BS	45	PRAIRIE BLAZINGSTAR	LIATRIS PYCNOSTACHYA	8" HT.	#SP4	30"OC
MM	45	MARSH MILKWEED	ASCLEPIAS INCARNATA	8" HT.	#SP4	30" OC
BM	45	BUTTERFLY MILKWEED	ASCLEPIAS TUBEROSA	4" POT	#SP4	30" OC
OP	45	OBEDIENT PLANT	PHYSOSTEGIA VIRGINIANA	4" POT	#SP4	24"OC
SW	45	SKY WINGS IRIS	IRIS SIBERICA 'SKY WINGS'	4" POT	#SP4	18"OC
PD	45	PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPIS	4" POT	#SP4	24"OC

#### NOTES:

- \* THE CONTRACTOR SHALL VERIFY ALL EXIST. CONDITIONS.
- \* THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF EXIST. UTILITIES.
- \* USE SHREDDED BARK MULCH IN RAIN GARDEN, 4" DEPTH.
- \* SHREDDED BARK MULCH SHALL BE FRESHLY SHREDDED HARD-WOOD BARK FREE FROM DELETERIOUS MATERIALS, STICKS, STONES, NOXIOUS WEEDS, SALT & OTHER MATERIALS HARMFUL TO PLANT GROWTH. SHREDDED BARK MULCH SHALL BE EITHER COMPOSTED OR TREATED WITH NITROGEN TO COMPENSATE FOR SUCH LOSS IN DECOMPOSITION.
- \* TOP OF MULCH IN RAIN GARDEN SHALL BE EVEN W/ TOP OF SURROUNDING SURFACES.
- \* TOPSOIL SHALL CONSIST FO A HUMUS-BEARING LOAM ADAPTED TO SUSTAIN VIGOROUS GRASS GROWTH FREE FROM DELETERIOUS MATERIALS W/ A Ph RANGE OF 6.0 TO 7.0 TOPSOIL. NOT MEETING THESE REQ. SHALL BE AMENDED AT NO ADDITIONAL COST.
- \* IF DISCREPANCIES OCCUR, PLANT QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER PLANTING SCHEDULE.
- \* ALL PLANT MATERIAL SHALL HAVE A ONE YEAR WARRANTY AGAINST DEATH & UNHEALTHY CONDITION, EXCEPT AS A RESULT OF NEGLECT BY OWNER, DAMAGE BY OTHERS & UN-USUAL PHENOMENA BEYOND CONTRACTOR'S CONTROL. PLANT WARRANTY SHALL BEGIN ON THE DATE OF FINAL ACCEPTANCE OF THE PROJECT.
- \* ALL PLANTS SHALL CONFORM TO THE VARIETIES SPECIFIED IN THE PLANT LIST & SHALL BE TRUE TO BOTANICAL NAME AS IN HORTUS THIRDS.
- \* ALL PLANTS INCLUDING THEIR ROOTS SHALL BE FREE FROM DISEASE INSECTS & OTHER INJURIOUS QUALITIES & SHALL BE WELL FORMED, FULL, IN A HEALTHY VIGOROUS GROWING CONDITION, REAR OR AT SPECIMEN QUALITY.
- \* ALL PLANTS SHALL BE SUBJECT TO INSPECTION BY THE OWNERS REPRESENTATIVE UPON DELIVERY. ANY PLANTS DEEMED NOT ACCEPTABLE BY THE OWNERS REPRESENTATIVE SHALL BE REMOVED FROM THE SITE & REPLACED WITH ACCEPTABLE MATERIAL.
- \* ANY PLANTS DELIVERED TO THE PROJECT SITE THAT ARE NOT INSTALLED THE SAME DAY SHALL BE "HEALED IN" W/ TOPSOIL, WOOD CHIPS, SHREDDED BARK, OR SAWDUST & ADEQUATELY WATERED UNTIL SUCH TIME THE PLANTS CAN BE INSTALLED.
- \* CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL PLANT MATERIAL INCLUDING GRASS OR SOD FOR TWO WEEKS AFTER FINAL ACCEPTANCE OF PROJECT. WATER SHALL BE PROVIDED IN AN ADEQUATE AMOUNT TO SUSTAIN VIGOROUS PLANT GROWTH.
- \* LANDSCAPE WEED BARRIER SHALL BE GEOTEXTILE FABRIC CONFORMING TO WI DOT SSHSC SECT. 632

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