



collaborāte / formulāte / innovāte

NARRATIVE

TO: City of Milwaukee Plan Commission
FROM: Pat Kressin, PLA, LEED AP & Steve Fisco, PE
DATE: June 12, 2023
SUBJECT: MKE Dog Park Riverwalk SPROZ

Overview:

The MKE Dog Park will be providing a much-needed service to Downtown Milwaukee. It will consist of two open dog run areas directly below the I-794 freeway overpass and adjacent to the Milwaukee River. The area within the dog park will be covered with synthetic pet turf and will consist of a 3,500 sf small dog run and 18,100 sf large dog run. Dogs and owners will be able to access the dog run areas through a gated vestibule and each will be surrounded by a 5-foot black ornamental metal fence. Other areas will have decorative cedar fencing, while areas around the existing We Energies equipment will receive nonflammable" exterior panels such as iron coated fencing or a composite material. The large dog run area has the ability to have a portion of the space sectioned off to special events, while still allowing the majority of the dog park to remain open to the public. As such a secondary locked gate to the large dog run area will be located along the riverwalk to allow for separate entry. This secondary gate will only be used when the large dog run area hosting an event. Other amenities within the park include human/dog drinking fountains, benches, lighting and trash receptacles.

The project extends the Riverwalk system across West Clybourn Street from the north with a 12' wide pathway between the dog park and the recently proposed Foxtown Landing to the south. Within the 50' overlay, the site has a 12' concrete pathway, I-794 bridge piers, synthetic turf dog run area, existing utility steam utility structure with nonflammable screening, benches, bio-swale, riprap slope stabilization, pathway lighting, and other landscaping features.

Detailed Project/Use Description:

Background

A non-profit coalition lead by Milwaukee Downtown, Business Improvement District #21 (BID #21) and Historic Third Ward Business Improvement District #2 (BID #2) has been leading efforts to transform blighted, underutilized, and often forgotten about locations under I-794 into public amenities for several years. The organizations have proven success through numerous projects including new public art in the Jefferson Street pedestrian tunnel, an improved Pompeii Square, and "Brighten the Passage" which established new lighting, landscaping, and public art along the Broadway and Water Street corridors. Riverwalk Commons was also implemented along under I-794 on the east side of the Milwaukee River revitalizing vacant spaces into public pickleball courts, and a programmable area used by community groups for various events.

Public Dog Park & Riverwalk Connections at 103 W. Clybourn Street

The BID #2 and BID #21 coalition is now responding to the community need for the downtown area’s first public, off-leash dog park. Through a variety of analyses and surveys, it is clear that the downtown Milwaukee area is outperformed by other communities in pet friendly amenities that promote urban livability. To fill this gap and enhance quality of life, the BID-led coalition assembled several other non-profit, government and private sector partners to fundraise to development and manage downtown’s first publicly accessible dog park on a vacant, blighted site partially under I-794 along Plankinton Avenue and the west side of the Milwaukee River.

Given the locations adjacency to the Milwaukee River, the project team is also committed to providing another community amenity – the continuation of the publicly assessable Riverwalk across the parcel’s river frontage.

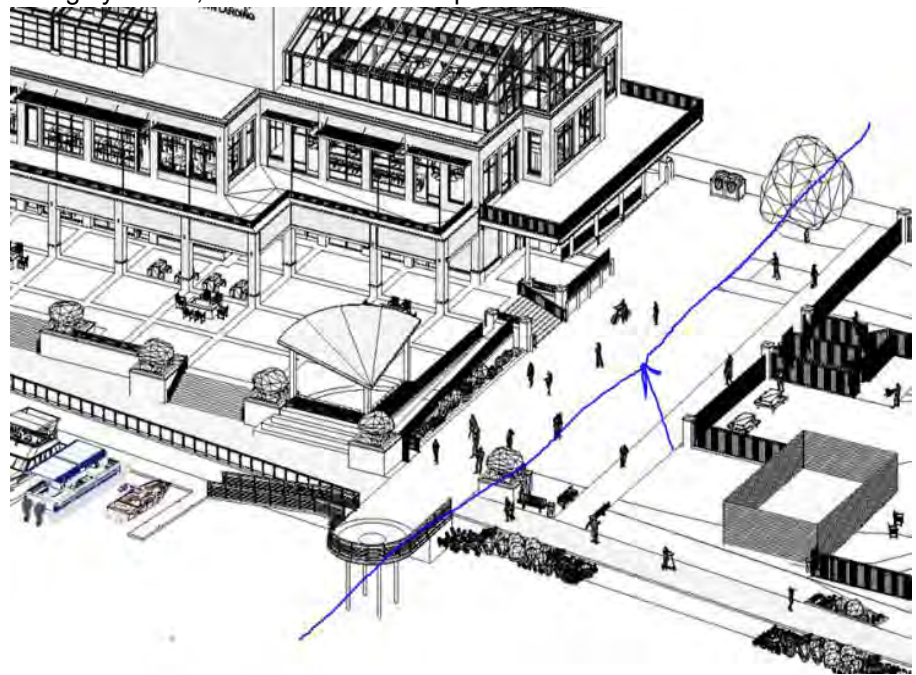
In addition to installing the approximately 200-foot Riverwalk segment with a connection to the existing pedestrian network, the dog park will be the premier facility of its kind in the region featuring separately fenced small and large dog areas, synthetic pet turf, additional lighting, water stations, expansive shaded areas, public art, and more.

Overall District Redevelopment

The MKE Dog Park and Foxtown Landing would cohesively reinvent one of the last remaining sections of land along the Milwaukee River frontage into the Dog District which will contribute to the City of Milwaukee’s property tax, create new jobs, and complete an approximately 400 foot segment of public Riverwalk that is tied into the existing pedestrian network. The overall site is approximately 1.4 acres of highly visible, but difficult to develop land that after decades has found the appropriate

public, private, and non-profit partners to deliver a transformative project.

The dog park and the taproom sites will share the overall patio space that is planned for this alley area. Both sides of the SPROZ limits will receive pavers.



Alleyway Use Description

The private alleyway will not provide for public vehicular access and/or parking. Its primary use is for pedestrian circulation between the MKE Dog Park and Foxtown Landing. Secondly, it provides limited access for authorized vehicles only that are specifically servicing the dog park and Foxtown Landing.

Primary Use - Pedestrian Plaza

The alleyway, constructed of pavers, will serve primarily as a pedestrian plaza that blends the MKE Dog Park and Foxtown Landing developments. Occasionally, the plaza area will serve as a space for activations, community programming and pop-up events that leverage the adjacency to the MKE Dog Park. When community programs and events are taking place, the limited authorized vehicular access will not be allowed to avoid conflicts.

Two sets of movable planters will be used to close the alleyway to public vehicular travel. Two additional movable planter sets will be used to buffer the eastern edge from service vehicles and the Riverwalk

Secondary Use – Limited Access for Authorized Vehicles/Users Only

In addition to serving as a pedestrian plaza area, the alleyway will be a slow-traffic, shared environment to provide access for operations and maintenance of the dog park facility and Foxtown Landing. The limited vehicles that may use this access point may be service vehicles for:

- Garbage collection
- Schedule landscape maintenance
- Snow removal
- Emergency vehicle
- WE Energies and Wisconsin Department of Transportation access for scheduled inspections
- Foxtown Landing delivery vehicles accessing the loading area

It is anticipated that the alleyway will largely be unoccupied with vehicles, except as needed to provide a safe, off-street location for maintenance and deliver vehicles to accomplish their respective tasks.

Landscape Design:

The landscaping for the Riverwalk located along the MKE Dog Park will provide year-round visual interest by using a wide variety of native trees, shrubs, perennials, and ornamental grasses. The Milwaukee River will be buffered from the Riverwalk with riparian plantings and two bio-swales that will help to clean stormwater runoff prior to entering the waterway. The largest area of plantings will occur on the north side of the property where the topography climbs rapidly to meet the W Clybourn St bridge. An aspen grove and shrub/perennial understory will be well suited for this area, helping to stabilize the hillside while providing the upright and narrow tree form that is

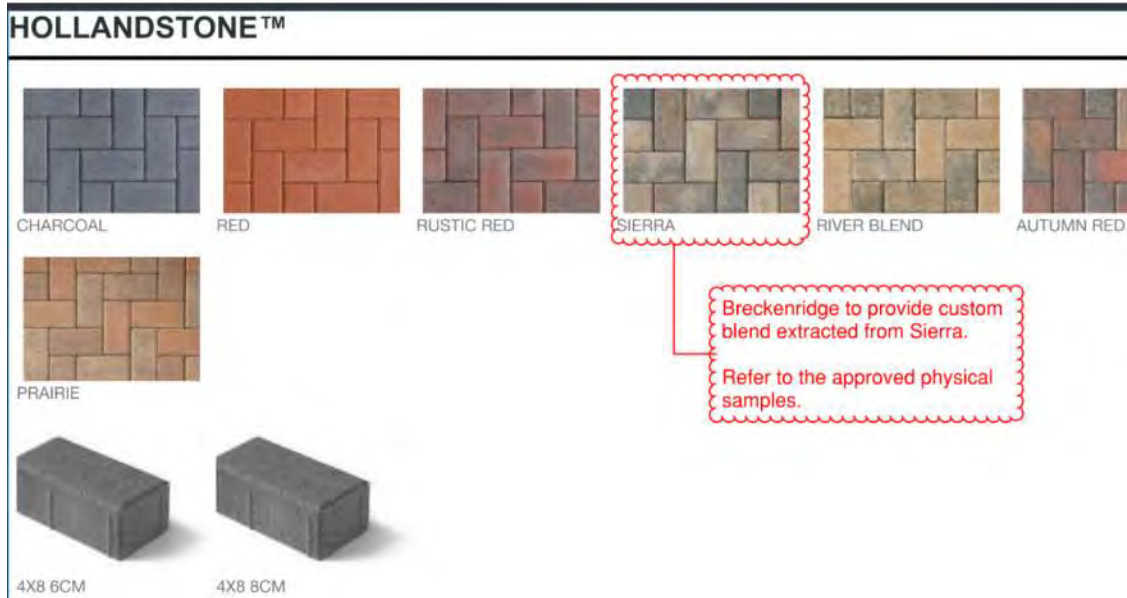
needed in close proximity to the I-794 overpass. The I-794 piers require a 10' setback which forces a fence jog in this location. WisDOT uses the approximately 10' required setback to allow for infrastructure inspection. In addition to the plantings, large granite boulders and rip-rap stone will assist in stabilizing the heavily planted edge condition, while adding a unique visual attribute to the overall project aesthetic.

Materials:

1. Riverwalk – 12' concrete pathway with 3'x6' jointed panels.
2. Rip Rap Slope Stabilization – Granite Boulders
3. K-9 Pet Turf – Dog Run
4. Utility Screening – Treated Cedar or metallic fencing
5. Concrete Pavers – Custom Blend Hollandstone
6. Benches – Generation 50

Appendix A – Proposed Materials

Concrete Pavers in Programmable Space and former Alley



Cedar Fence – 1 for WE Energies Utility Enclosure (non-flammable)



Cedar Fence – 2 for WE Energies Utility Enclosure (non-flammable)



Alternative non-combustible & termite proof Fence around We Energies Equipment

<https://www.berridge.com/products/fencing-and-enclosures/architectural-privacy-fence>

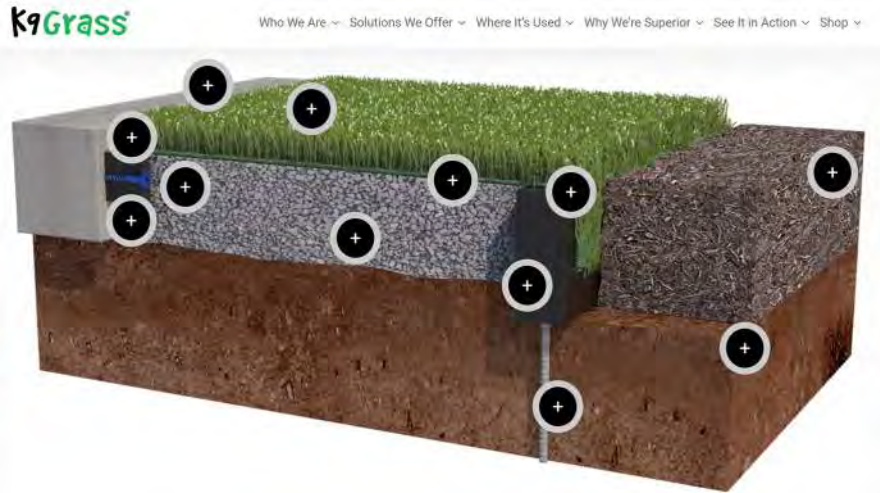


Example Gates

https://www.tractorsupply.com/tsc/product/ironcraft-fences-euro-steel-fence-gate-with-hardware-6-ft-x-4-ft-838953-1606407?cid=Shopping-Google-Product-1606407&qclid=Cj0KCQjwiryjBhD0ARIsAMLvnF99L5kTDpTthwyR61JRNDcJvM04e2BNCF0eUiqeXc262hSFhcOE0uAaAvjzEALw_wcB



Synthetic pet turf



Typical bio-swale & boulders (shown Drexel Town square)



Benches

Generation 50

Product Data Sheet

landscapeforms



The Generation 50 line of benches and litter receptacles is a modern interpretation of several of the company's classic designs. "Generation 50 pays homage to the design, culture, and craft that is at the heart of the company but also takes advantage of the manufacturing expertise and new technologies that characterize Landscape Forms now and into the future," says Generation 50 designer Robert Chipman. Angular, diamond-shaped detailing is the shared visual character across the line's pieces. Generation 50's many options and broad application fit multiple site designs and uses. Benches can be specified with or without backs; in traditional, cantilevered, top-of-wall mounted, and wall mounted styles; with curved or straight face boards; and with three arm options or without arms. A litter receptacle in two styles rounds out the line. The elements are made of cast aluminum, steel, and wood, including thermally modified ash, a domestically sourced, sustainable material.

Bench

- Generation 50 benches are available backed or backless.
- The bench has aluminum casting supports with a powdercoat finish, and a wood seating surface.
- Bench is available in four different styles – traditional, cantilever, top of wall, and wall mount
- Generation 50 bench styles include a variety of mounting options:
 - Generation 50 traditional is available freestanding, surface mount, or embedded
 - Generation 50 cantilever is available embedded or surface mounted.
 - Generation 50 top of wall is available embedded or surface mounted.
 - Generation 50 wall mounting – hardware to anchor to wall not included.
- Benches are 72" in length
- The backed and backless benches are available with either no arms, end arms, or end and center arms.
- The backed bench is offered with two arm styles - angle or loop arms.
- The backless bench is only available with angle arms.
- Available in ipe, jarrah, and domestically sourced thermally modified ash (DSTMA) for exterior use.
- Available in jarrah, domestically sourced thermally modified ash (DSTMA), oak, and maple with LF-80 for interior use.
- The face boards of the bench can either be curved or straight-cut.
- Most styles of Generation 50 benches ship fully assembled.

	Style	Depth	Width / Length	Height	Weight
	Traditional Backless	23.5"	72"	17.25"	88 lbs
	Traditional Backless with (2) Arms	23.5"	72"	21.5"	95 lbs
	Traditional Backless with (3) Arms	23.5"	72"	21.5"	99 lbs
	Traditional Backed	26"	72"	33"	130 lbs
	Traditional Backed with (2) Arms	26"	72"	33"	139 lbs
	Traditional Backed with (3) Arms	26"	72"	33"	144 lbs

Note: Weights and dimensions based on jarrah wood (straight-cut faceboards) and angle arms.

preferred, chosen bench

	Faceboard Style
	Straight-Cut
	Curved

Waste Receptacles

LAKESIDE Product Data Sheet



Litter Receptacles

- Lakeside litter receptacles are available in side- or top-opening designs.
- Side-opening litter receptacle has a 30 gallon capacity, top-opening has a 35 gallon capacity.
- Steel panels are available in grass, leaf, custom or plain designs which are plasma-cut steel.
- Litters come standard with a removable black polyethylene liner.
- Receptacles are standard with freestanding/surface mount base.

	STYLE	DIAMETER	HEIGHT	PRODUCT WEIGHT
	grass side-opening	21"	30"	101 lb.
	leaf top-opening	21"	30"	103 lb.
	plain top-opening	21"	30"	100 lb.

Planters

- Planters are circular and are available at a standard 23" high with a 36" diameter.
- Planters come standard with a black liner and a removable steel body.
- Fabricated, welded and ground steel body is mounted with removable screws to the polyethylene liner.
- Liners are available standard in black with three optional colors: Black, Daisy, Sky, and Grass. Steel panels are available in plain or plasma-cut grass and ginkgo leaf patterns.
- Custom designs available upon request.
- Planters are freestanding.
- All materials 100% recyclable.

	STYLE	DIAMETER	HEIGHT	PRODUCT WEIGHT
	plain	36"	23"	101 lb.
	grass	36"	23"	119 lb.
	sky	36"	23"	109 lb.

Overhead lighting (mount to I-794 piers or girders)



TNLED2 TunnelPass LED™ Large



Catalog Number	
Notes	Type

Mechanical

- Low copper content diecast aluminum alloy electrical and optical housing. Diecast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convection cooling.
- Stainless steel bolted or latched door closure disengages top electrical cover for easy access to LED drivers, surge protection, luminaire disconnect, and terminal block.
- Super durable powder coat finish over anodized aluminum pre-finish. Rigorous pre-treating and paint process yields a finish that achieves a scribe creepage rating of 10 (per ASTM D1654) after over 20,000 hours of exposure to salt fog chamber (operated per ASTM B117).
- Luminaire mounting brackets are of 316 grade stainless steel.
- Luminaire is IP66 rated.
- Luminaire is 3G vibration rated per ANCI C136.31.
- Luminaire is suitable for continuous row mounting as standard, with through wire raceway available as an option.
- Luminaire and through wire raceway box each have three removable brass 3/4-14NPT entries to facilitate wiring.

Electrical

- Quick disconnect connectors for ease of installation and maintenance.
- Extreme surge protection meets 20KV/10KA per ANSI/IEEE62.41 and is fail off.
- Three pole terminal block is standard for ease of installation.
- LED drivers meets maximum total harmonic distortion (THD) of 20% and are ROHS compliant. Minimum operating temperature is -40°C. Electronic driver has an estimated minimum life of 100,000 hours at 25°C.
- XVOLT - Electrical option provides protection against dropped neutral in 277V input as derived from 480V Wye. XVOLT also provides greater immunity from six common power quality issues.

Optical

- PCB mounted LED technology comprised of multi-cluster LED's on a single metal core board.
- Color temperature options of 3000K, 4000K, and 5000K with CRI of 70 minimum.
- Segmented Micro 4 internal reflectors are designed for superior optical control in Counterbeam, Crossbeam, Long and Narrow.
- Borosilicate glass refractor ensures longevity and minimizes dirt depreciation and minimizes direct view of LED's, reducing glare.

Controls

- 0-10V dimming standard
- Field Adjustable Output (AO) module - Onboard device that allows manual adjustment of the light output and input wattage to meet site specific requirements. The AO module is preset at the factory to position number 8 (see chart).
- iCMNYX - Nyx Hemera internally mounted control module communicates with Nyx Hemera powerline control systems (consult factory).

Testing/Compliance

Luminaire conforms to the following standards:

- ANSI/IEEE C62.41:2002 - Surge protection
- ANSI C82.77:2002 - Harmonic distortion limits
- ANSI C136.31 - Luminaire vibration
- ASTM B117 - Salt Spray
- FCC Title 47 CFR Part 15 - FCC EMC/EMI
- IEC 60068 - Environmental testing
- ANSI C136.27-17 - Environmental Testing (including Parsons test)
- IEC 60529 - Ingress Protection (IP)
- IEC 61000 - Electromagnetic Compatibility testing (EMC)
- IEEE 519 - Harmonic Control in Electrical Power systems
- UL 1598 - Wet Location Safety Listing
- UL 1598A - Marine Outside
- PK1-PK4 Suitable for ambient temperatures -40°C to 50°C
- PK5 Suitable -40°C to 45°C ambient
- PK6 Suitable -40°C to 40°C ambient
- TW Option suitable -40°C to 40°C ambient

Manufacturing

- 100% electrical testing on all luminaires before shipment
- No less than five (5) years experience in manufacturing LED based products

Buy American Act

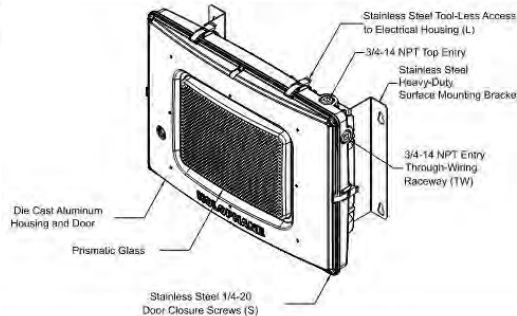
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Weight = 58 lbs.
IAH Voltage Option = 65 lbs.

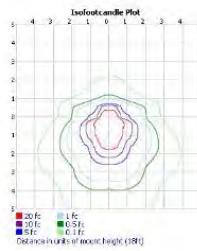
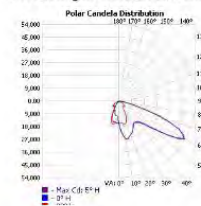


Overhead lighting (mount to I-794 piers or girders)

TNLED2 TunnelPass LED™ Large



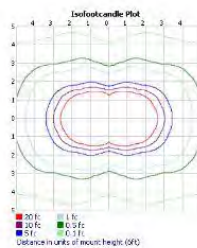
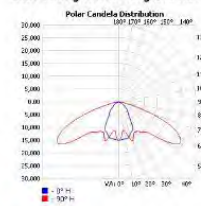
CCB: Ceiling mount counterbeam



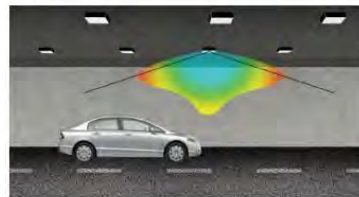
Recommended for divided tunnels where majority of lumens are directed towards oncoming drivers to maximize roadway luminance while controlling disability glare.



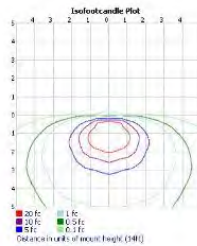
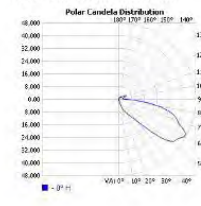
CLN: Ceiling mount long and narrow



Recommended for undivided tunnels where equal lumens are with and against traffic flow.



WCR: Wall mount crossbeam



Recommended for undivided tunnels where equal lumens are with and against traffic flow.



photo example: light fixture at Water Street & Broadway

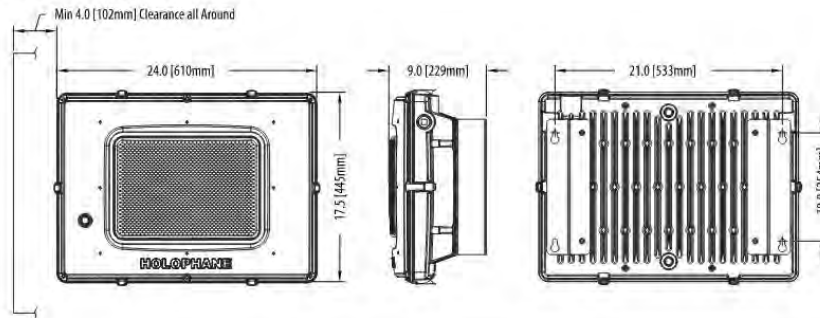
Overhead lighting (mount to I-794 piers or girders)

TNLED2

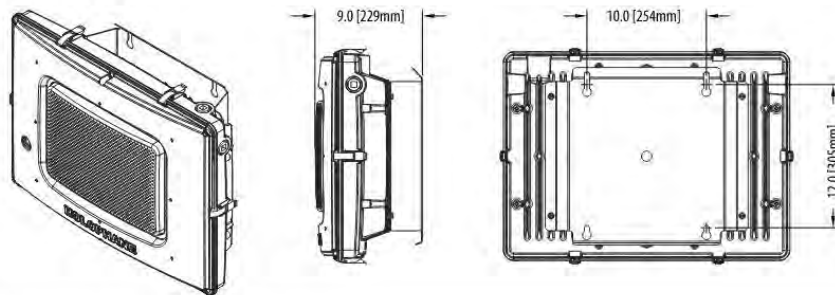
TunnelPass LED™ Large



SURFACE MOUNTING DETAILS

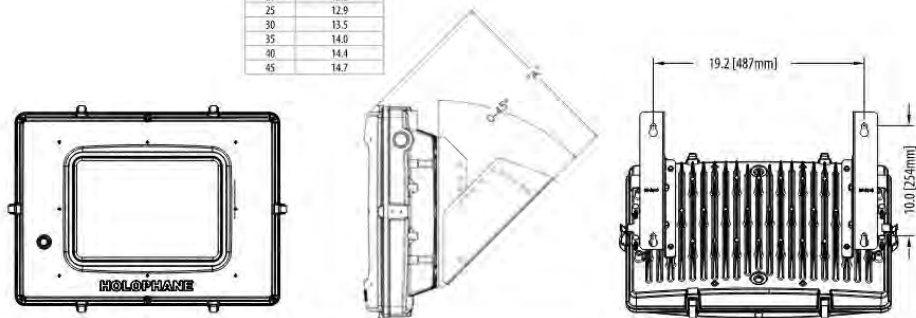


BOX MOUNTING DETAILS



ADJUSTABLE WALL BRACKET MOUNTING DETAILS

ANGLE	Wall Offset (in.)
0	8.8
5	9.6
10	10.4
15	11.1
20	12.2
25	12.9
30	13.5
35	14.0
40	14.4
45	14.7



Appendix B – Existing Site & Surrounding Area Photos

Plankinton Ave. - Pointed South (west side Dog Park)



We Energies Equipment to protect with fence



Intersection of Plankinton and Clybourn - Pointed East

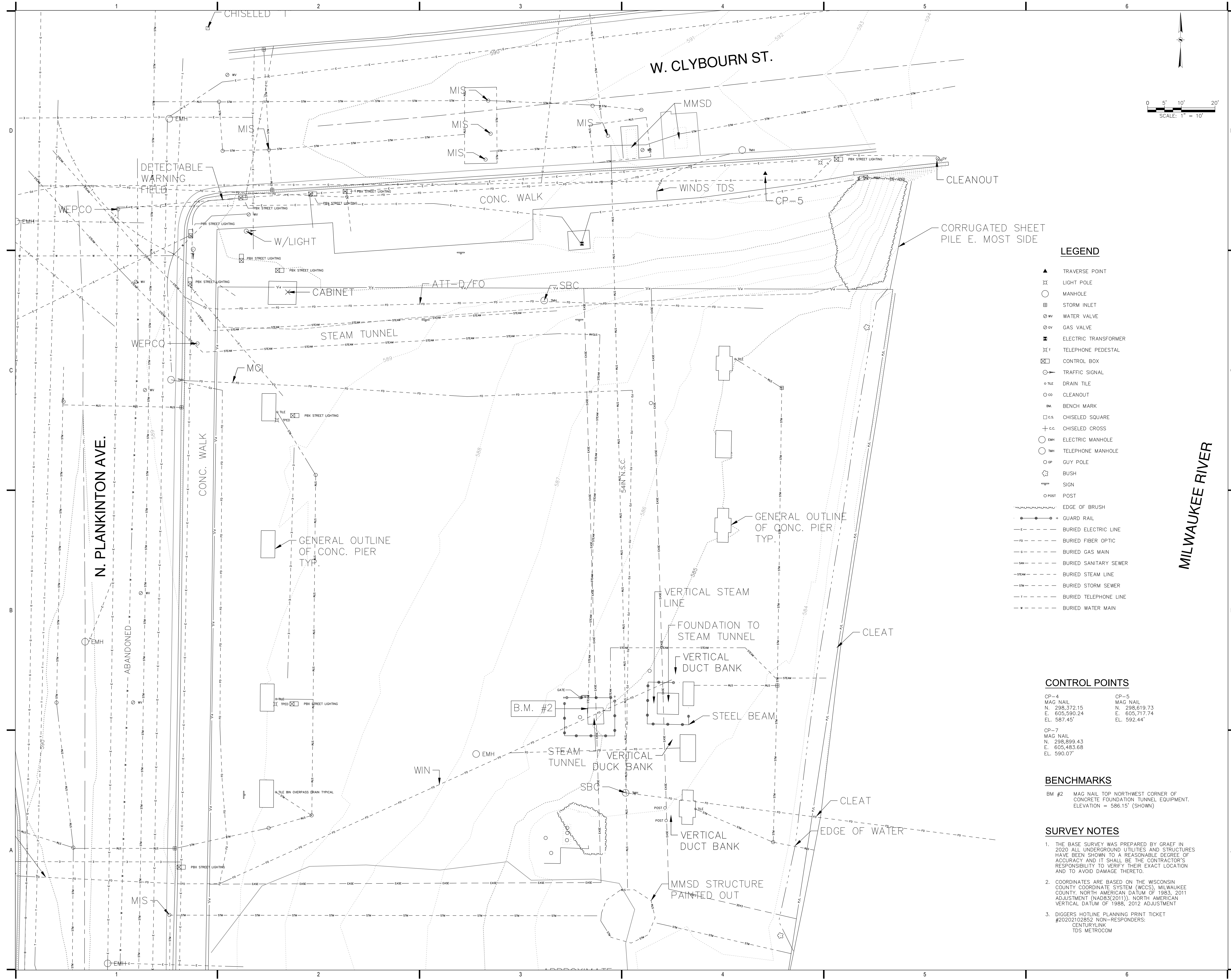


**Internal Dog Park location, looking NE at rivers edge, area to receive boulders
(Under 794)**



**Looking South along Riverwalk area, where trail would be located
(between waters edge and east side of Dog Park)**





MILWAUKEE RIVER

NOT FOR CONSTRUCTION

LEGEND

- ▲ TRAVERSE POINT
- ⊠ LIGHT POLE
- MANHOLE
- ⊞ STORM INLET
- ⊙ WV WATER VALVE
- ⊙ GV GAS VALVE
- ⊞ ELECTRIC TRANSFORMER
- ⊞ TELEPHONE PEDESTAL
- ⊞ CONTROL BOX
- ⊞ TRAFFIC SIGNAL
- TILE DRAIN TILE
- CO CLEANOUT
- ⊞ BENCH MARK
- ⊞ CHISELED SQUARE
- ⊞ CHISELED CROSS
- EMH ELECTRIC MANHOLE
- TMH TELEPHONE MANHOLE
- ⊙ GP GUY POLE
- ⊞ BUSH
- ⊞ SIGN
- ⊙ POST POST
- EDGE OF BRUSH
- GUARD RAIL
- BURIED ELECTRIC LINE
- BURIED FIBER OPTIC
- BURIED GAS MAIN
- BURIED SANITARY SEWER
- BURIED STEAM LINE
- BURIED STORM SEWER
- BURIED TELEPHONE LINE
- BURIED WATER MAIN

CONTROL POINTS

CP-4 MAG NAIL N. 298,372.15 E. 605,590.24 EL. 587.45'	CP-5 MAG NAIL N. 298,619.73 E. 605,717.74 EL. 592.44'
CP-7 MAG NAIL N. 298,599.43 E. 605,483.68 EL. 590.07'	

BENCHMARKS

BM #2 MAG NAIL TOP NORTHWEST CORNER OF CONCRETE FOUNDATION TUNNEL EQUIPMENT. ELEVATION = 586.15' (SHOWN)

SURVEY NOTES

1. THE BASE SURVEY WAS PREPARED BY GRAEF IN 2020. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERE TO.
2. COORDINATES ARE BASED ON THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83(2011)), NORTH AMERICAN VERTICAL DATUM OF 1988, 2012 ADJUSTMENT
3. DIGGERS HOTLINE PLANNING PRINT TICKET #20202102852, NON-RESPONDERS: CENTURYLINK TDS METROCOM

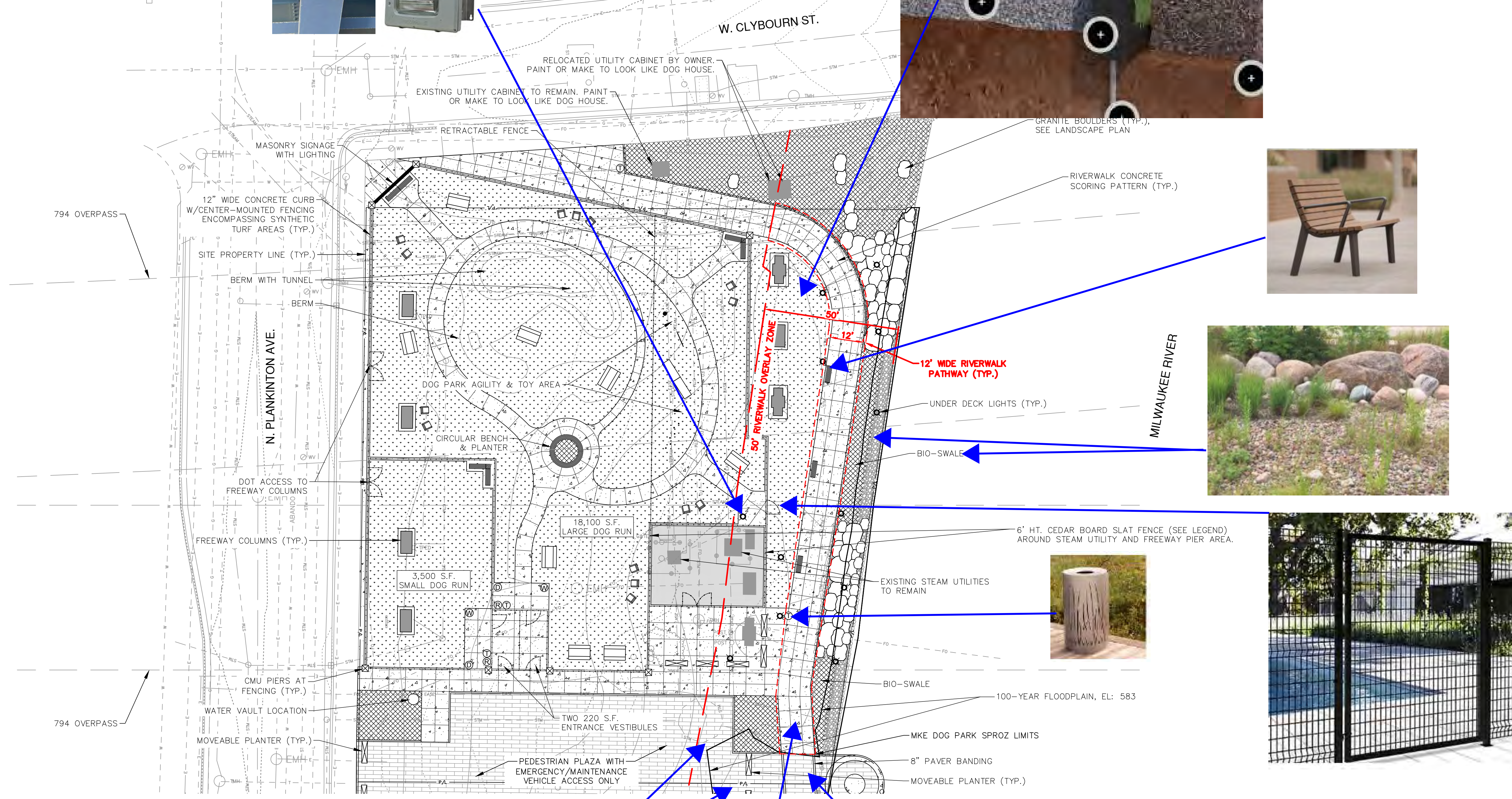
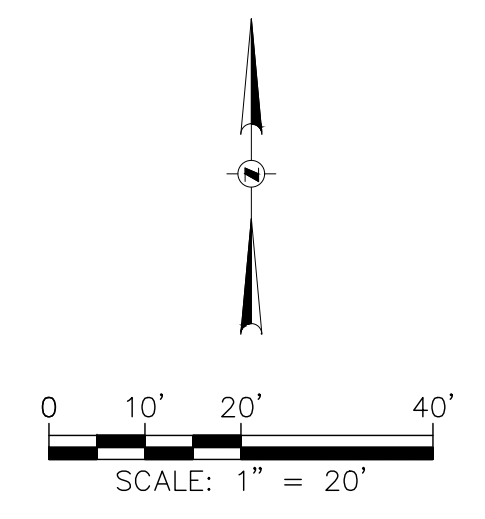
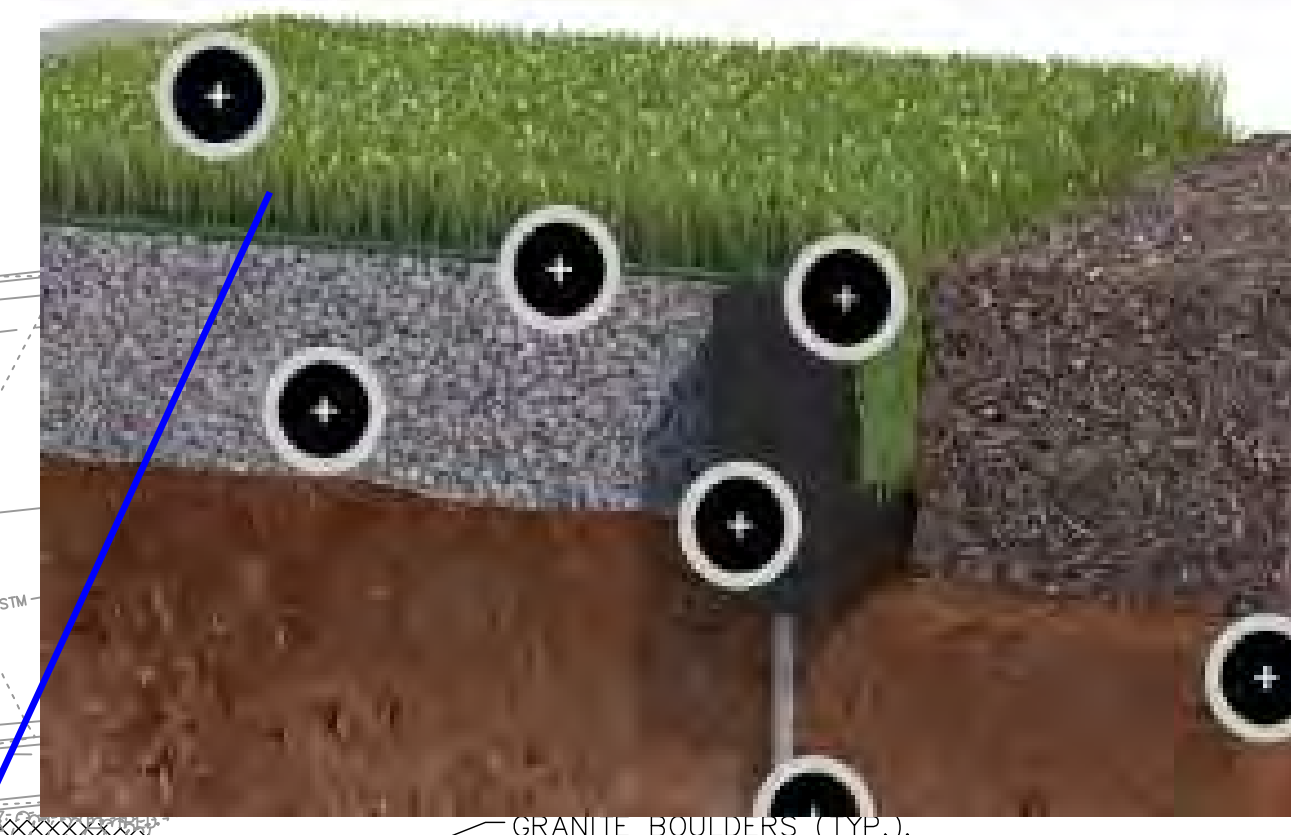


PROJECT TITLE:
MKE Dog Park

SHEET TITLE:
EXISTING CONDITIONS PLAN

SHEET NUMBER:

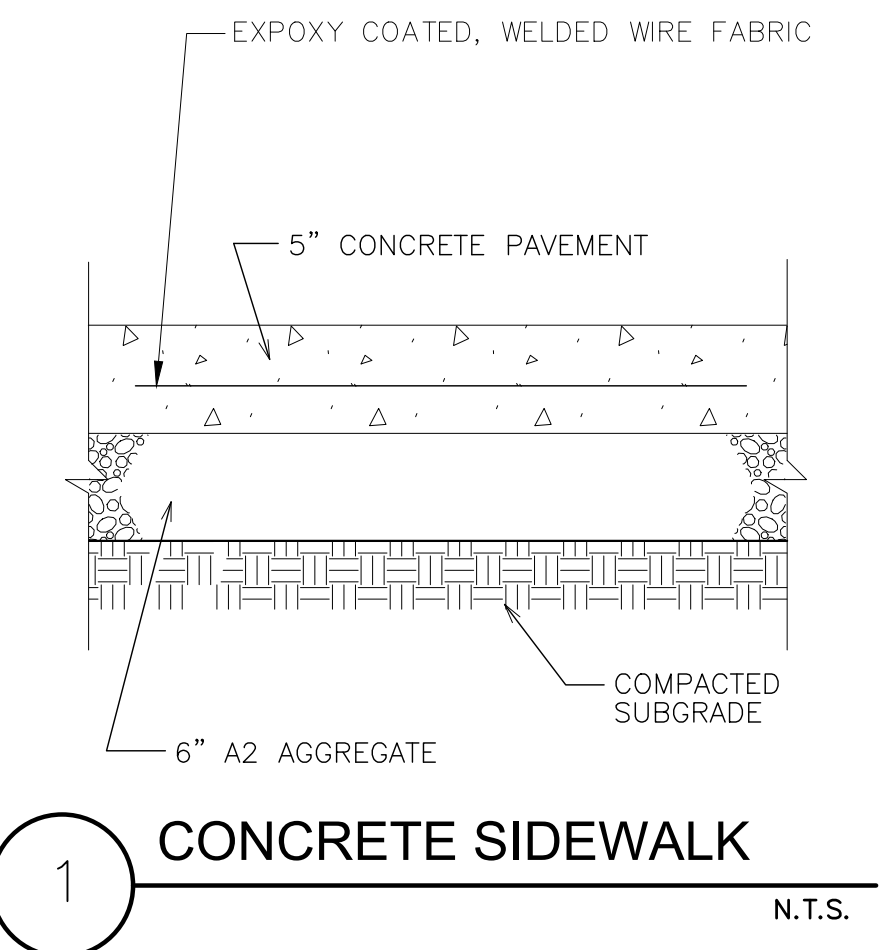
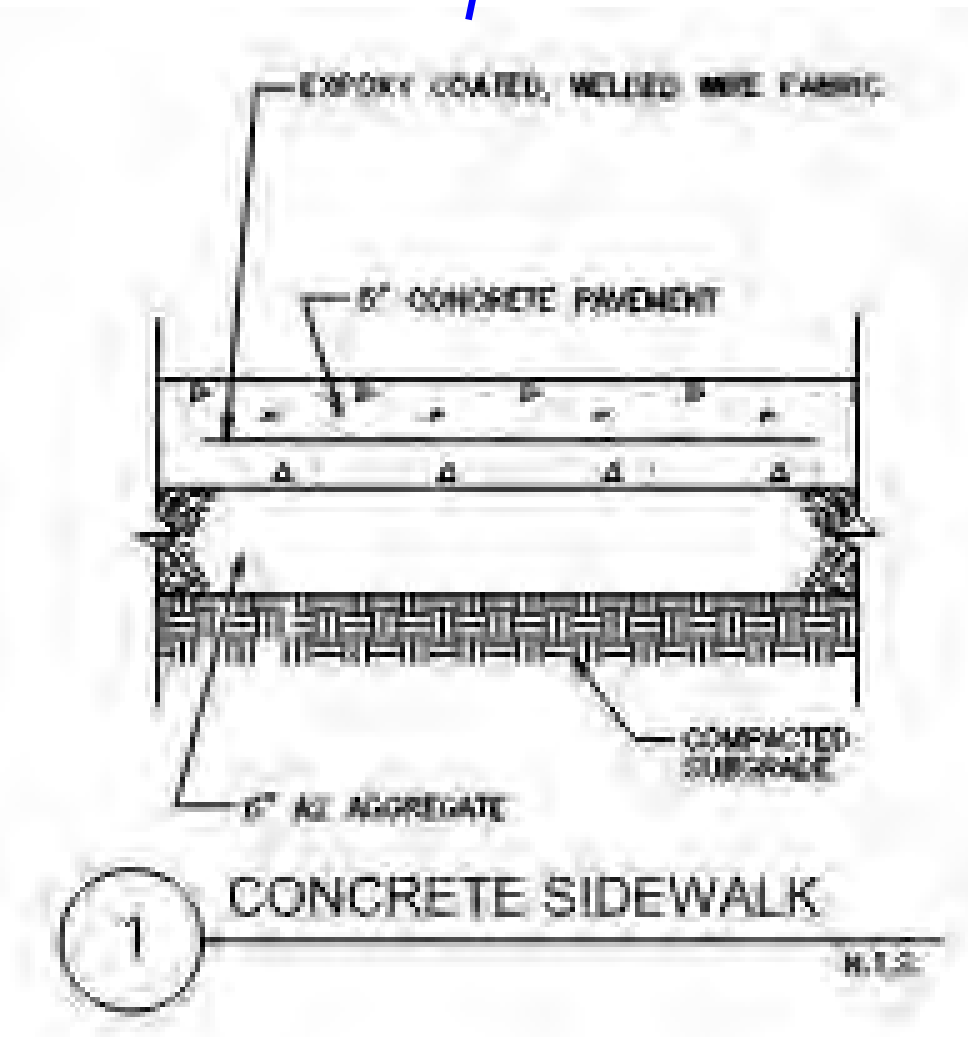
C100



- LEGEND**
- GUARDRAIL
 - 6' HT. CEDAR BOARD SLATTED FENCE
 - //--- 6' HT. RETRACTABLE FENCE (BLACK)
 - Ⓧ TRASH RECEPTACLE
 - Ⓡ RECYCLING RECEPTACLE
 - Ⓧ DOG BAG & WASTE RECEPTACLE
 - Ⓧ WATER FOUNTAIN / DOG FOUNTAIN
 - Ⓧ UNDER DECK LIGHTING
 - ▬ 6' BENCH
 - ▬ 24" UPRIGHT MOVEABLE PLANTER
 - ▬ PICNIC TABLE
 - ▬ ADIRONDACK CHAIR
 - ▬ CONCRETE SIDEWALK W/SCORING PATTERN (C300)
 - ▬ CONCRETE PAVEMENT
 - ▬ SPECIALTY PAVING
 - ▬ RIPRAP STONE
 - ▬ SYNTHETIC TURF



Breckenridge to provide custom blend extracted from Sierra.
Refer to the approved physical samples.



YARDART

Home - Planters - Style - Modern Planters - Delta Rectangular Container

Delta Rectangular Container
\$1,290.00

Shipping: Free Shipping
SKU: 948108
Weight: 133.00 LBS

* Choose a Size:

31"L X 12"W X 14"H	39"L X 12"W X 14"H
24"L X 18"W X 18"H	31"L X 18"W X 18"H
39"L X 18"W X 18"H	47"L X 18"W X 18"H
55"L X 18"W X 18"H	31"L X 22"W X 24"H
39"L X 22"W X 24"H	47"L X 22"W X 24"H
55"L X 22"W X 24"H	

Simple Rectangular Planter

They are three different heights and several lengths to choose from. The 24" height Trough is fitted with an overflow pipe with the intake raised 2" above the base. This effectively creates a large internal reservoir within the bottom of each planter. For best effect, the bottom 2" of the planter should be filled with an inert drainage material - such as Hydroleca expanded clay pellets, or recycled polystyrene chunks.

SIZES
31" x 12" x 14" / 42 lbs. / 17 gal.
39" x 12" x 14" / 52 lbs. / 22 gal.

movable planters to prevent undesired access to riverwalk

NOT FOR CONSTRUCTION



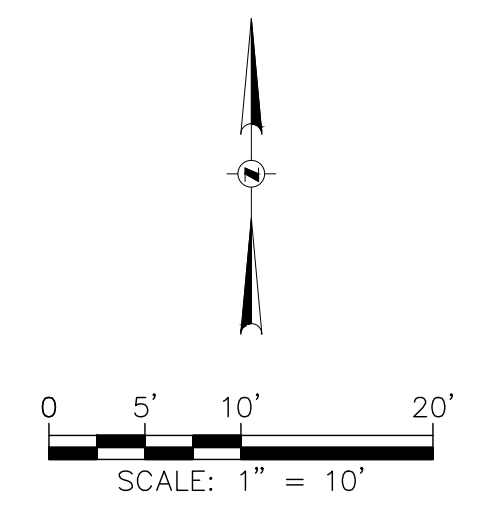
PROJECT TITLE:
MKE Dog Park

SHEET TITLE:
SITE LAYOUT PLAN

SHEET NUMBER:

C300

W. CLYBOURN ST.



LEGEND
- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - CONSTRUCTION LIMIT



SITE PROPERTY LINE (TYP.)

BERM WITH TUNNEL

BERM

N. PLANKINTON AVE.

FREEWAY COLUMNS (TYP.)

3,500 S.F.
SMALL DOG RUN

18,100 S.F.
LARGE DOG RUN

WATER VAULT LOCATION

50' RIVERWALK OVERLAY ZONE

12' WIDE RIVERWALK
PATHWAY (TYP.)

EXISTING SURFACE SHOTS
ALONG WALL, TYP.

NO SHEET PILE WALL CHANGES
ALONG DOG PARK

EXISTING STEAM UTILITY
AREA TO REMAIN

MKE DOG PARK SPROZ LIMITS

NOT FOR CONSTRUCTION

PROJECT TITLE:
MKE Dog Park

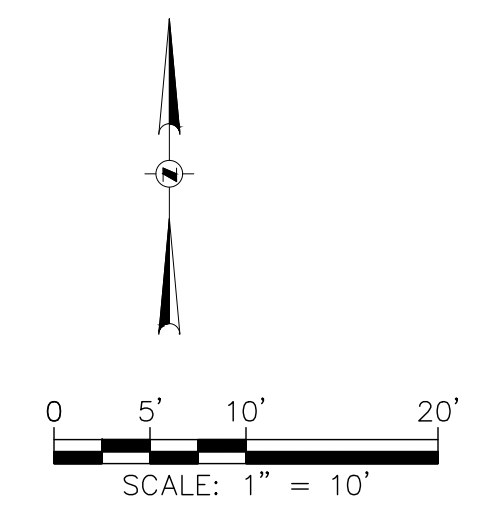
SHEET TITLE:
SITE GRADING PLAN

SHEET NUMBER:

C400

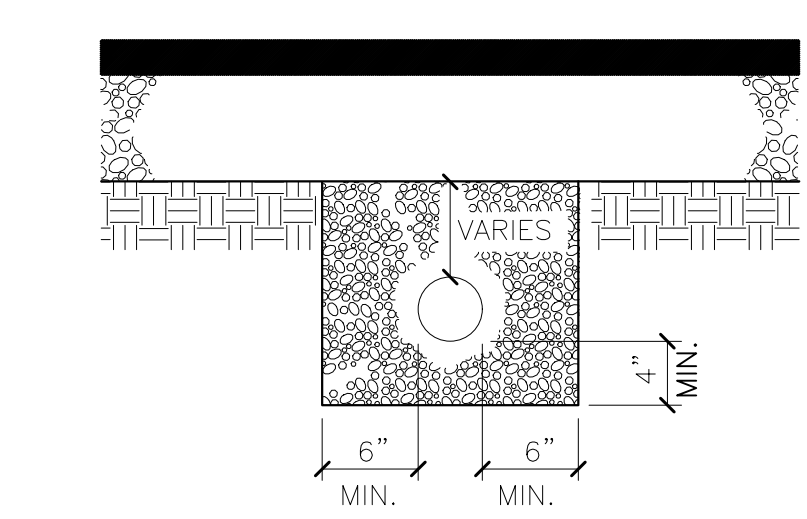
W. CLYBOURN ST.

RIPARIAN PLANTING AREA ALONG MILWAUKEE RIVER



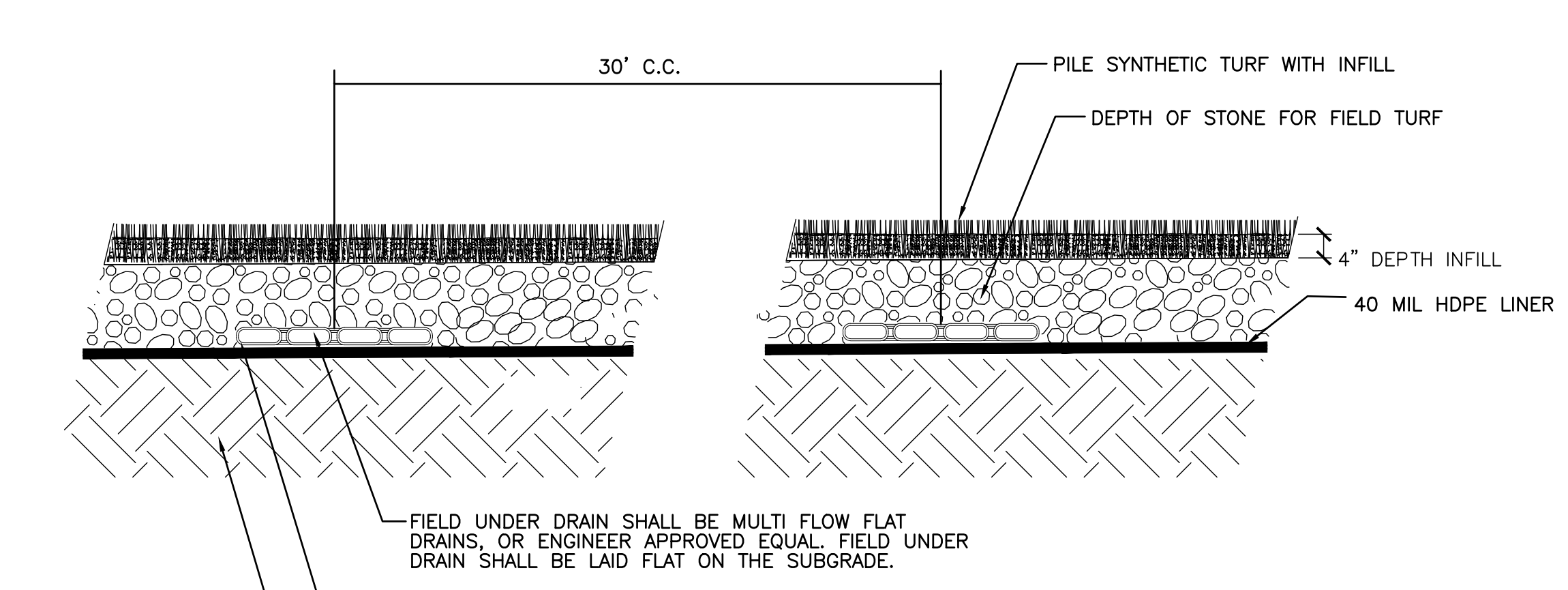
LEGEND

- SHADE TREE, 2.5" CALIPER
- ORNAMENTAL TREE, 2" CALIPER
- 7-8" ROUNDED GRANITE BOULDER
- 6-7" ROUNDED GRANITE BOULDER
- 5-6" ROUNDED GRANITE BOULDER
- 4-5" ROUNDED GRANITE BOULDER
- RIPRAP STONE
- SYNTHETIC TURF
- PLANTING BEDS
- SHRUBS, 3 GAL
- PERENNIALS, 1 GAL
- ORNAMENTAL GRASSES, 1 GAL



1 UNDERDRAIN N.T.S.

BOTANICAL NAME	COMMON NAME	MATURE SIZE
SHADE TREES		
<i>Betula nigra</i> 'Dura Heart'	Dura Heart River Birch	40h x 30w
<i>Platanus x acerifolia</i> 'Morton Circle'	Exclamation London Planetree	60h x 45w
<i>Populus tremuloides</i>	Quaking Aspen	40'-50'h x 20'-30'w
<i>Quercus bicolor</i>	Swamp White Oak	50h x 50w
ORNAMENTAL TREES		
<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	20h x 15w
<i>Cercis canadensis</i> 'Minnesota Strain'	Minnesota Strain Eastern Redbud	20h x 20w
<i>Crategeus virdis</i> 'Winter King'	Winter King Hawthorn	20h x 25w
SHRUBS		
<i>Cornus sericea</i> 'Bergeson Compact'	Bergeson's Compact Red-osier Dogwood	4'-6'h x 4'-6'w
<i>Cornus stolonifera</i> 'Arctic Fire'	Arctic Fire Dogwood	3'-4'h x 3'-4'w
<i>Diervilla lonicera</i>	Dwarf Bush Honeysuckle	4'h x 4'w
<i>Hammamelis vernalis</i>	Vernal Witchhazel	6'-10'h x 10'-15'w
<i>Hydrangea arborescens</i> 'Annabelle'	Annabelle Hydrangea	5'h x 5'w
<i>Rhus aromatica</i>	Fragrant Sumac	3'h x 6'-8'w
<i>Juniperus chinensis</i> 'Kally's Compact'	Kally's Compact Pfitzer Juniper	2'-3'h x 5'w
<i>Juniperus chinensis</i> 'Trautman'	Trautman Juniper	15'-20' ht x 4' w
PERENNIALS		
<i>Allium</i> 'Summer Beauty'	Summer Beauty Onion	16"-20"h x 12"
<i>Aster novae-angliae</i> 'Purple Dome'	Purple Dome New England Aster	18"h x 18" w
<i>Echinacea purpurea</i>	Purple Coneflower	36"h x 24" w
<i>Eupatorium dubium</i> 'Little Joe'	Little Joe Joe Pye Weed	3'-4" h x 2-3" w
<i>Eupatorium maculatum</i> 'Gateway'	Gateway Joe Pye Weed	5'h x 5'w
<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	16" h x 18" w
<i>Hemerocallis</i> 'Strawberry Candy'	Strawberry Candy Daylily	26" x 24" w
<i>Hosta</i> 'Gold Standard'	Gold Standard Hosta	30" h x 24" w
<i>Hosta</i> 'Guacamole'	Guacamole Hosta	18" h x 30" w
<i>Nepeta x faassenii</i> 'Walker's Low'	Walker's Low Catmint	24" h x 24-36" w
<i>Rudbeckia fulgida</i> 'Goldsturm'	Goldsturm Black-Eyed Susan	2'-3'h x 24" w
ORNAMENTAL GRASSES		
<i>Calamagrostis acutiflora</i> 'Karl Foerster'	Feather Reed Grass	5'h x 30" w
<i>Deschampsia cespitosa</i>	Tufted Hair Grass	24" h x 24" w
<i>Panicum virgatum</i> 'Northwind'	Northwind Switch Grass	6'h x 30" w
<i>Schizachyrium scoparium</i> 'The Blues'	The Blues Little Bluestem	2'-4'h x 18"-24" w
<i>Setaria autumnalis</i>	Autumn Moor Grass	18" h x 18"-24" w



2 SYNTHETIC TURF CROSS SECTION

YARDART

Delta Rectangular Container \$1290.00
Shipping Fee Shipping \$60.00
Weight: 133.00 LBS
Choose a Size:
31" X 12" W X 14" H 39" X 12" W X 14" H
24" X 18" W X 18" H 31" X 30" W X 18" H
31" X 18" W X 18" H 47" X 30" W X 18" H
50" X 18" W X 18" H 31" X 22" W X 24" H
39" X 22" W X 24" H 47" X 22" W X 24" H
50" X 22" W X 24" H

Simple Rectangular Planter
There are three different heights and several lengths to choose from. The 24" height trough is filled with an overflow pipe with the intake raised 2" above the base. This effectively creates a large internal reservoir within the bottom of each planter. For best effect, the bottom 2" of the planter should be filled with an inert drainage material - such as Hydrolock expanded clay pellets or recycled polyethylene shavings.

SIZES
31" x 12" x 14" / 20 lbs. / 17 gal.
39" x 12" x 14" / 52 lbs. / 22 gal.

NOT FOR CONSTRUCTION

GRäEF

STEPHEN PERRY SMITH ARCHITECTS, INC.

FOXTOWN BREWING

BERGHAMMER

mke DOWNTOWN

raSmith
CREATIVITY BEYOND ENGINEERING

PROJECT TITLE:
MKE Dog Park

SHEET TITLE:
N.T.S. LANDSCAPE PLAN

SHEET NUMBER:
L100

SITE PROPERTY LINE (TYP.)

BERM WITH TUNNEL

12' WIDE RIVERWALK PATHWAY (TYP.)

50' RIVERWALK OVERLAY ZONE

CIRCULAR BENCH & PLANTER

BIO-SWALE

FREEWAY COLUMNS (TYP.)

18,100 S.F. LARGE DOG RUN

3,500 S.F. SMALL DOG RUN

BIO-SWALE

movable planters to prevent undesired access to riverwalk

MOVABLE PLANTER (TYP.)

MKE DOG PARK SPROZ LIMITS



