



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

FEMA SHORELINE REPAIRS - 2022

PUBLIC IMPROVEMENT PROJECT
APPROVED

APPROVED DATE
JANUARY 21, 2022

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer

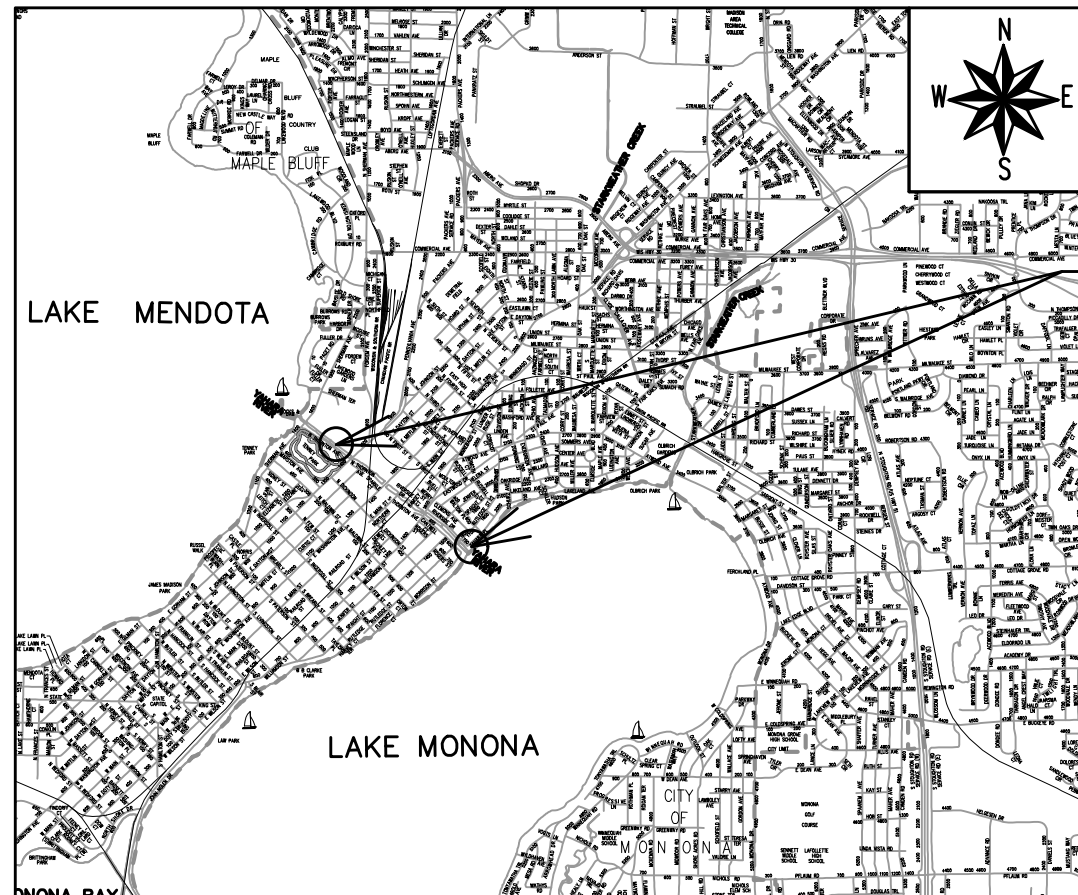
Date

DESIGNED BY:

INDEX OF SHEETS

SHEET NO. 1	COVER SHEET
SHEET NO. EX1	EXISTING LAYOUT - TENNEY PARK SHORELINE IMPROVEMENT AREA
SHEET NO. EX2	EXISTING LAYOUT - YAHARA PLACE PARK SHORELINE IMPROVEMENT AREA
SHEET NO. P1	PROPOSED IMPROVEMENTS - TENNEY PARK
SHEET NO. P2	PROPOSED IMPROVEMENTS - YARAHA PLACE PARK

CITY PROJECT NO. 12869
CONTRACT NO. 8860



PROJECT
LOCATION

PLOT SCALE: 1:1_XREF

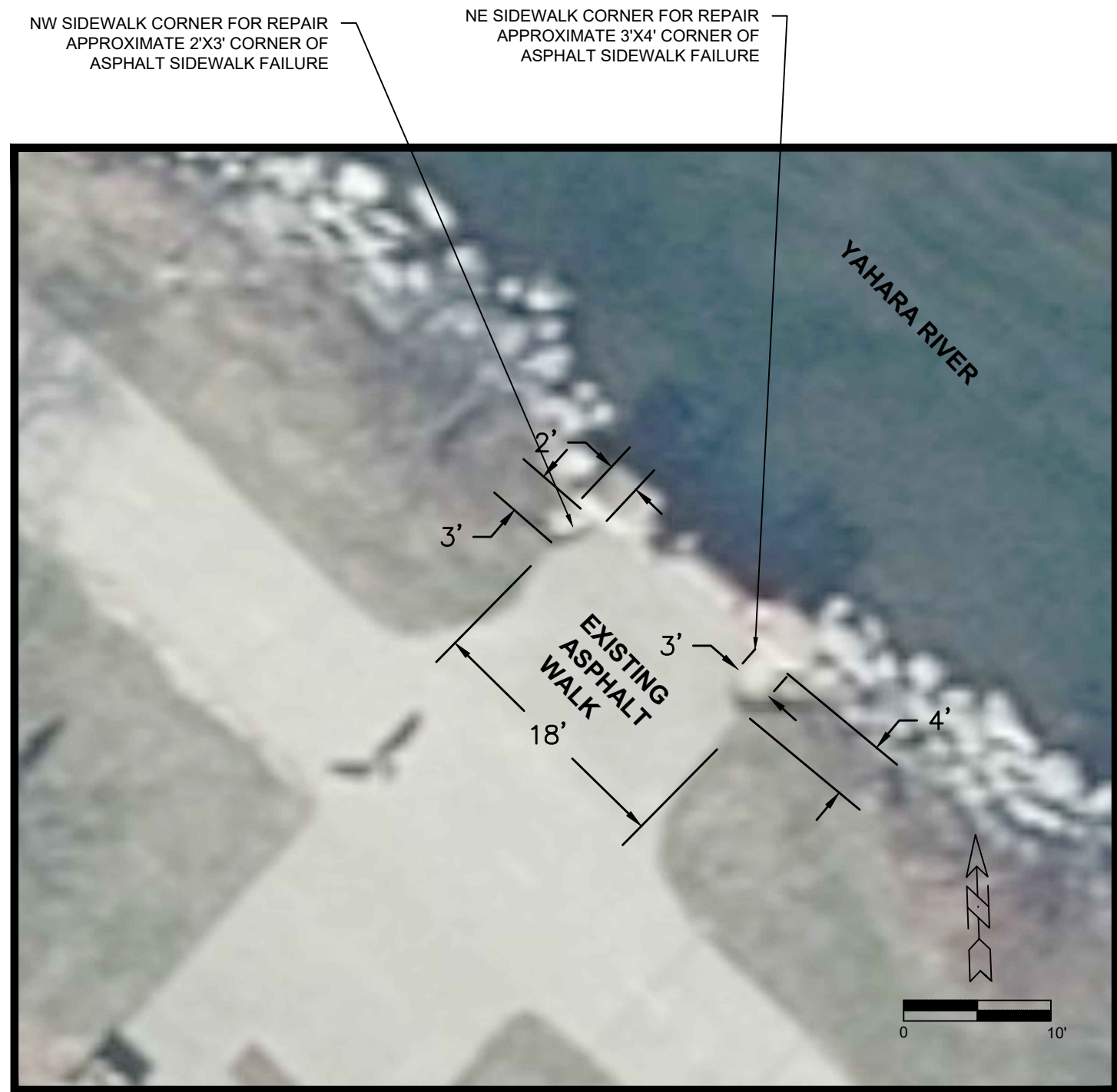
PLOT NAME: ---

REV. DATE: 1/19/2022 2:49 PM

ORIGINATOR: CITY_OF_MADISON




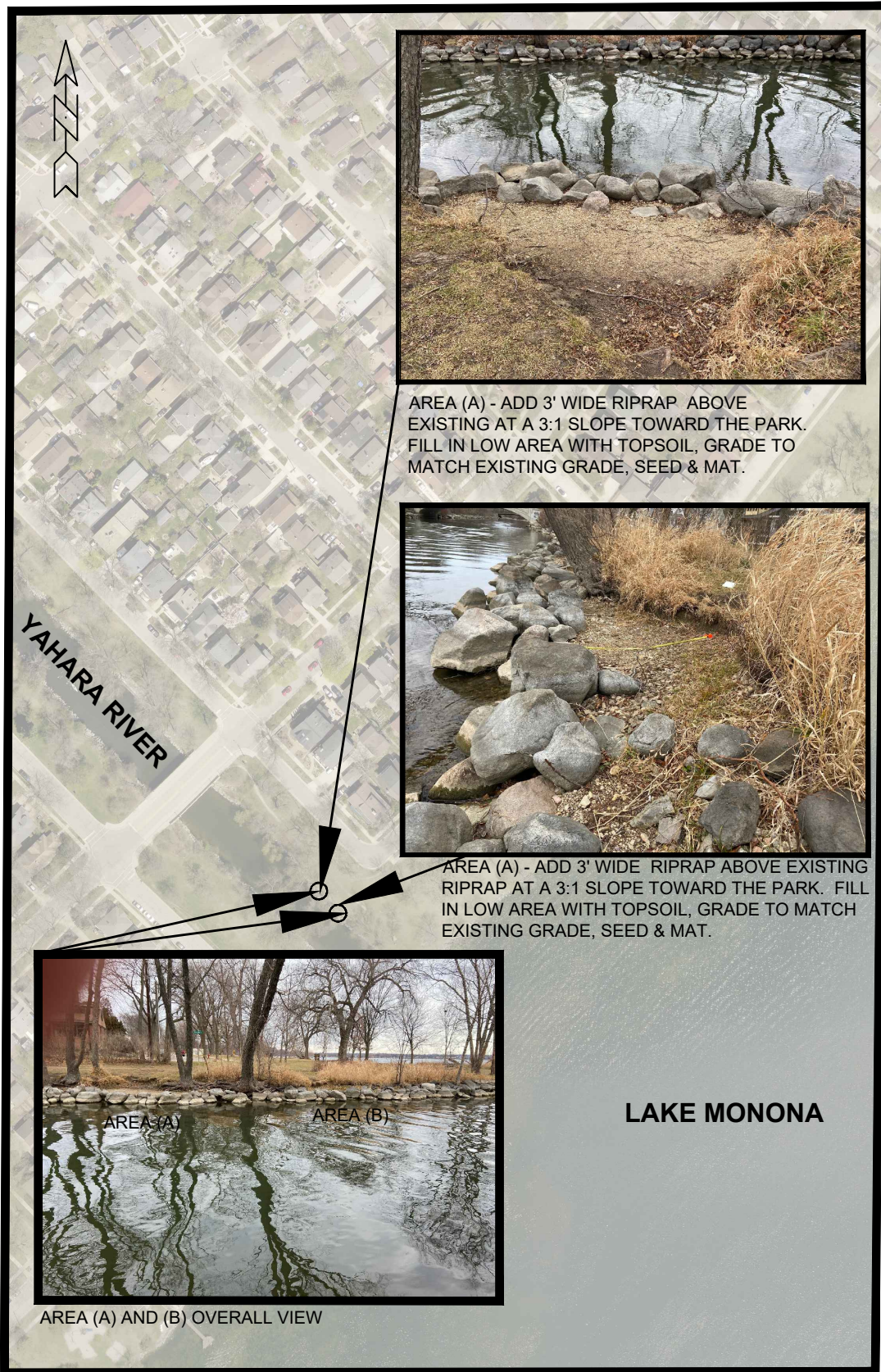
TENNEY PARK - SHORELINE IMPROVEMENT AREA
EXISTING ASPHALT WALK IMPROVEMENT LOCATION
NTS



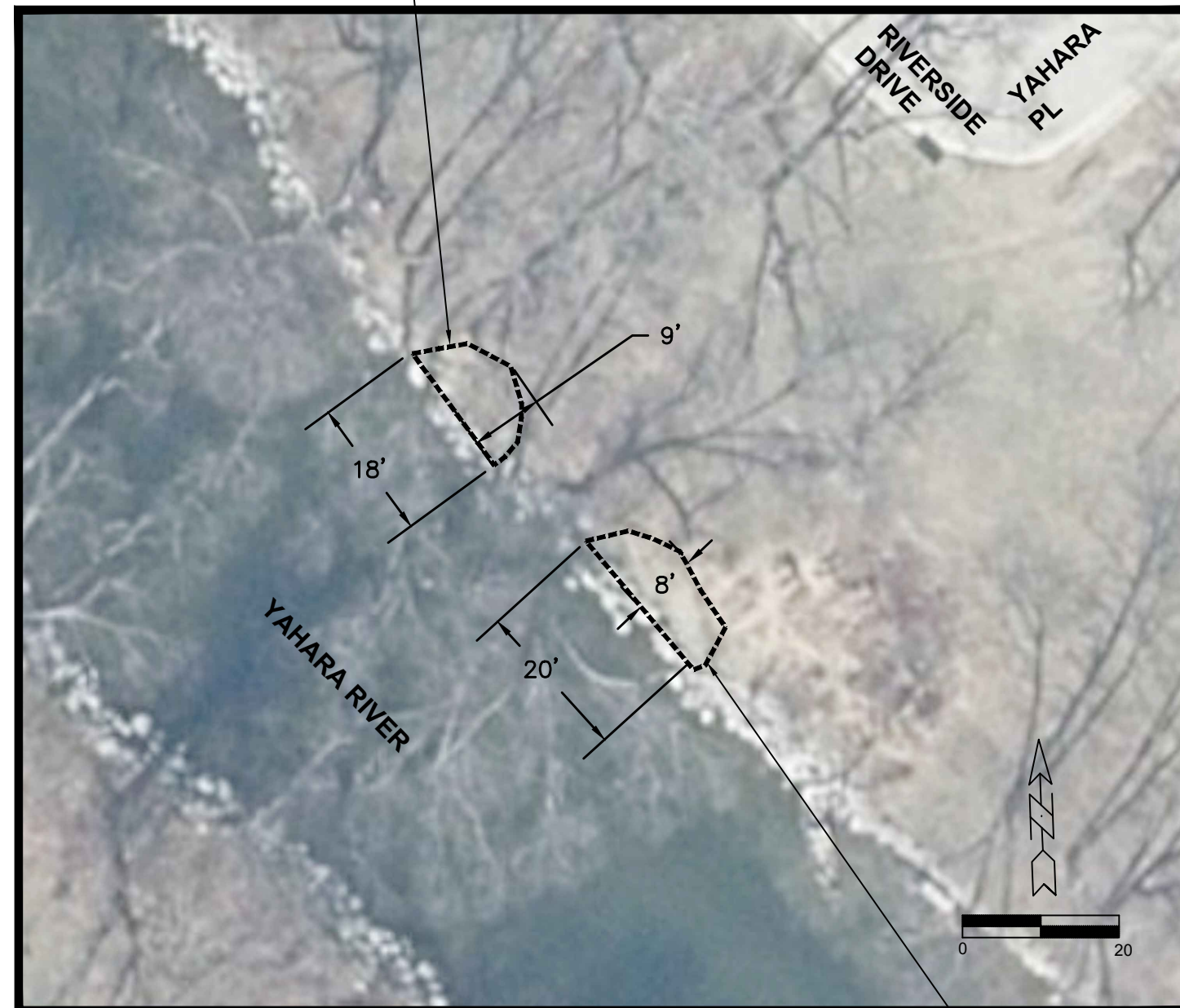
TENNEY PARK - ASPHALT WALK/SHORELINE IMPROVEMENT AREA
EXISTING CONDITIONS



		EXISTING LAYOUT - TENNEY PARK SHORELINE IMPROVEMENT AREA FEMA SHORELINE REPAIRS - 2022 CITY OF MADISON		12869 MADISON, MADISON, WI 8860 CONTRACT NO:
MARK DESIGNED BY: gvp 12869	REVISION DATE: 01/19/22	DATE BY	SCALE: 1" = 200' EX1	




YAHARA PARK - SHORELINE IMPROVEMENT AREA
EXISTING LOCATION/LAYOUT

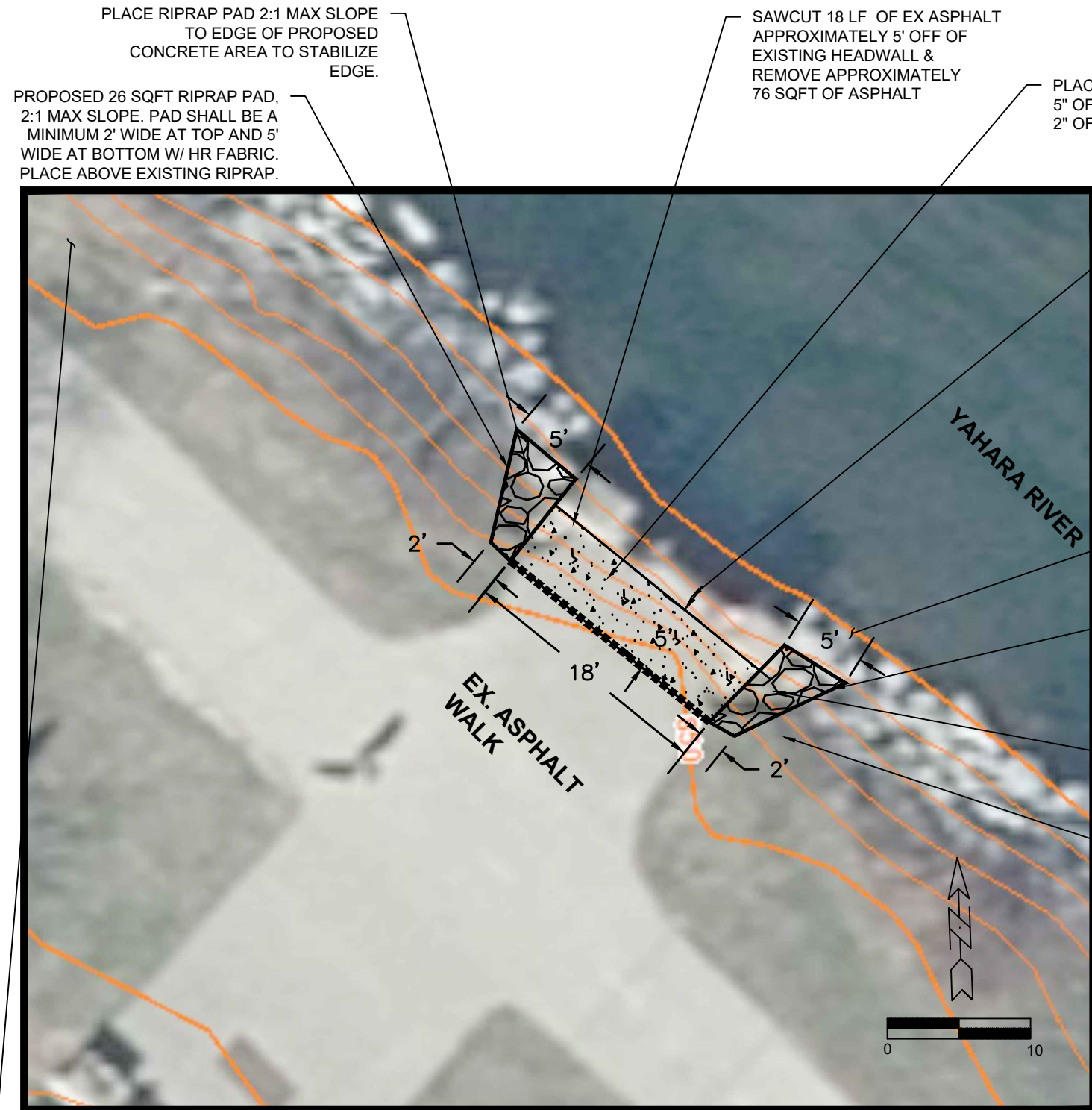


YAHARA PARK - SHORELINE IMPROVEMENT AREA
EXISTING CONDITIONS

AREA B
APPROXIMATE FILL AREA = 115 SQFT
APPROXIMATE DEPTH OF FILL IS 24" TO
MEET EXISTING GRADE AT THE BACK

AREA A
APPROXIMATE FILL AREA = 140 SQFT
APPROXIMATE DEPTH OF FILL IS 24" TO
MEET EXISTING GRADE AT THE BACK

EXISTING LAYOUT - YAHARA PLACE PARK SHORELINE IMPROVEMENT AREA		12869	
FEMA SHORELINE REPAIRS - 2022		MADISON, MADISON, WI	
CITY OF MADISON		CONTRACT NO: 8860	
		12869 EX2	
MARK	REVISION	DATE	BY
Designed By: gyp			Date: 01/19/22
Scale: #####			EX2



TENNEY PARK - ASPAHLT REPAIR/SHORELINE PROPOSED IMPROVEMENTS

CONTRACTOR SHALL ACCESS SITE FROM TENNEY PARKING LOT DRIVE TO THE WEST. MINIMIZE PATH CROSSING DURING ACCESS. NOTE: CONTRACTOR TO RESTORE/REPLACE ANY STRUCTURAL OR VEGETATED AREAS DISTURBED OR DAMAGED BY ACCESS.

SAWCUT 18 LF OF EX ASPHALT APPROXIMATELY 5' OFF OF EXISTING HEADWALL & REMOVE APPROXIMATELY 76 SQFT OF ASPHALT

PLACE 5' X 18' CONCRETE PAD WITH 5" OF CONCRETE & MINIMUM OF 2" OF BASECOURSE

PROPOSED 26 SQFT RIPRAP PAD, 2:1 MAX SLOPE. PAD SHALL BE A MINIMUM 2' WIDE AT TOP AND 5' WIDE AT BOTTOM W/ HR FABRIC. PLACE ABOVE EXISTING RIPRAP.

PLACE RIPRAP PAD 2:1 MAX SLOPE TO EDGE OF PROPOSED CONCRETE AREA TO STABILIZE EDGE.

PROTECT EXISTING BRICK HEADWALL DURING CONSTRUCTION (TYP.)

NO DISTURBANCE OR WORK SHALL OCCUR WITHIN THE WATERWAY (TYP.)

PROPOSED 26 SQFT RIPRAP PAD, 2:1 MAX SLOPE. PAD SHALL BE A MINIMUM 2' WIDE AT TOP AND 5' WIDE AT BOTTOM W/ HR FABRIC. PLACE ABOVE EXISTING RIPRAP.

PLACE RIPRAP PAD 2:1 MAX SLOPE TO EDGE OF PROPOSED ASPHALT AREA TO STABILIZE ASPHALT EDGE.

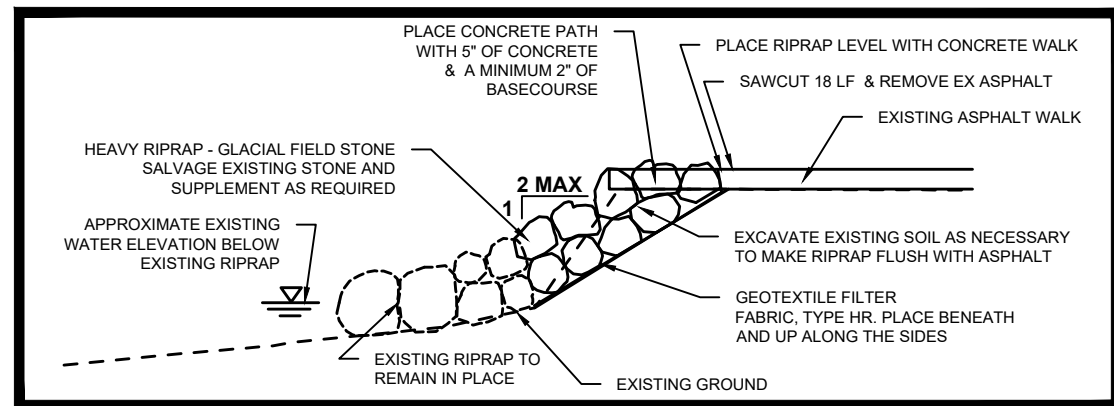
RESEED AREAS DISTURBED DURING CONSTRUCTION. ASSUMED 2' STRIP ALONG PROPOSED RIPRAP

GENERAL NOTES

1. ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
2. IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT. IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
3. CONTRACTOR SHALL ENSURE THAT ALL STORMWATER DRAINS DURING FINAL RESTORATION
4. CONTRACTOR SHALL REPLACE ALL SIDEWALK AND CURB & GUTTER THAT IS DAMAGED BY CONSTRUCTION.

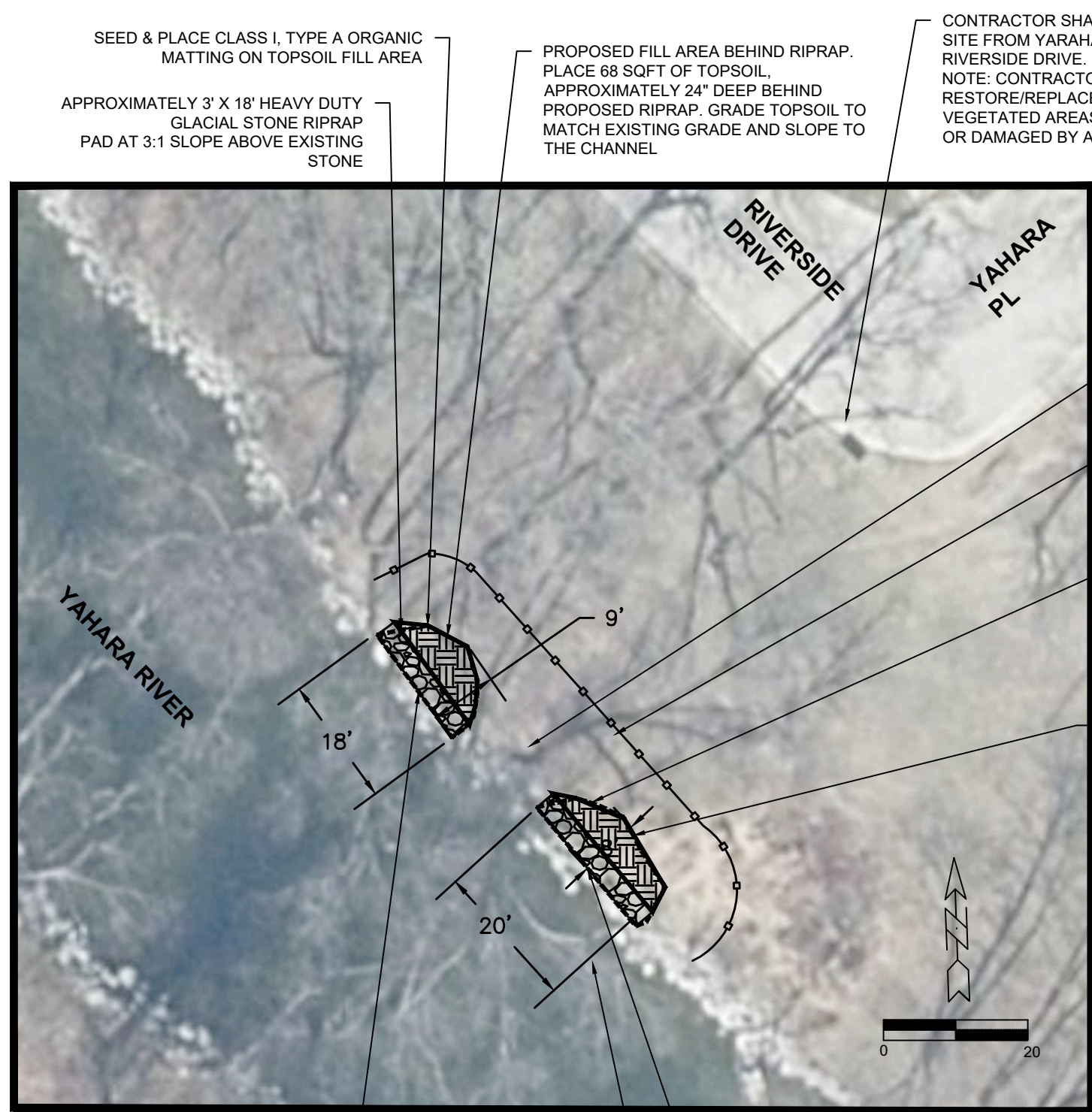
EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
2. ALL DISTURBED AREAS SHALL BE RESTORED WITH 4 INCHES OF TOPSOIL, TERRACE SEED MIX AND CLASS 1 TYPE A ORGANIC EROSION MATTING.
3. ALL RIPRAP REPAIR SHALL BE COMPLETED FROM THE SHORELINE. THE CONTRACTOR SHALL NOT DRIVE EQUIPMENT OR ACCESS THE PROJECT FROM THE LAKE TO COMPLETE REPAIRS
4. SILT FENCE OR SILT SOCK SHALL BE INSTALLED AS DIRECTED BY THE CONSTRUCTION ENGINEER
5. SILT FENCE OR SILT SOCK SHALL BE PLACED AROUND ANY STOCKPILE AREAS
6. THE PROJECT SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF RAINFALL EVENT GREATER THAN 0.5". ANY DEFICIENCIES SHALL BE IMMEDIATELY REPAIRED.
7. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR SHALL PLACE SILT SOCK OR SILT FENCE AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.
8. EROSION CONTROL MEASURES INDICATED ON THE PLANS SHALL BE CONSIDERED MINIMUMS. IF DETERMINED NECESSARY DURING CONSTRUCTION ADDITIONAL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
10. ALL DISTURBED AREAS SHALL BE STABILIZED WITH CLASS 1, TYPE A ORGANIC EROSION MATTING
11. ALL MUD TRACKING OFF-SITE ONTO ADJACENT PUBLIC THOROUGHFARES SHALL BE CLEANED UP AND REMOVED AT THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS.



PATH REPAIR TYPICAL SECTION DETAIL - NTS

	12869 P1	12869 P1	PROPOSED IMPROVEMENTS - TENNEY PARK FEMA SHORELINE REPAIRS - 2022 CITY OF MADISON
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SEED & PLACE CLASS I, TYPE A ORGANIC MATTING ON TOPSOIL FILL AREA
 APPROXIMATELY 3' X 18' HEAVY DUTY GLACIAL STONE RIPRAP PAD AT 3:1 SLOPE ABOVE EXISTING STONE

PROPOSED FILL AREA BEHIND RIPRAP. PLACE 68 SQFT OF TOPSOIL, APPROXIMATELY 24" DEEP BEHIND PROPOSED RIPRAP. GRADE TOPSOIL TO MATCH EXISTING GRADE AND SLOPE TO THE CHANNEL

CONTRACTOR SHALL ACCESS SITE FROM YARAHA PLACE & RIVERSIDE DRIVE. NOTE: CONTRACTOR TO RESTORE/REPLACE ANY STRUCTURAL OR VEGETATED AREAS DISTURBED OR DAMAGED BY ACCESS.

PROTECT EXISTING TREES DURING CONSTRUCTION (TYP.)

PLACE 85 LF OF ORANGE CONSTRUCTION FENCE AROUND PROJECT TO PROTECT VEGETATION, REMOVE WHEN VEGETATION BECOMES ESTABLISHED.

SEED & PLACE CLASS I, TYPE A URBAN MATTING ON TOPSOIL FILL AREA

PROPOSED FILL AREA BEHIND RIPRAP. PLACE 78 SQFT OF TOPSOIL, APPROXIMATELY 24" DEEP BEHIND PROPOSED RIPRAP. GRADE TOPSOIL TO MATCH EXISTING GRADE AND SLOPE TO THE CHANNEL

NO DISTURBANCE OR WORK SHALL OCCUR WITHIN THE WATERWAY

YAHARA PARK - SHORELINE PROPOSED IMPROVEMENTS

APPROXIMATELY 3' X 20' HEAVY DUTY GLACIAL STONE RIPRAP PAD AT 3:1 SLOPE ABOVE EXISTING STONE

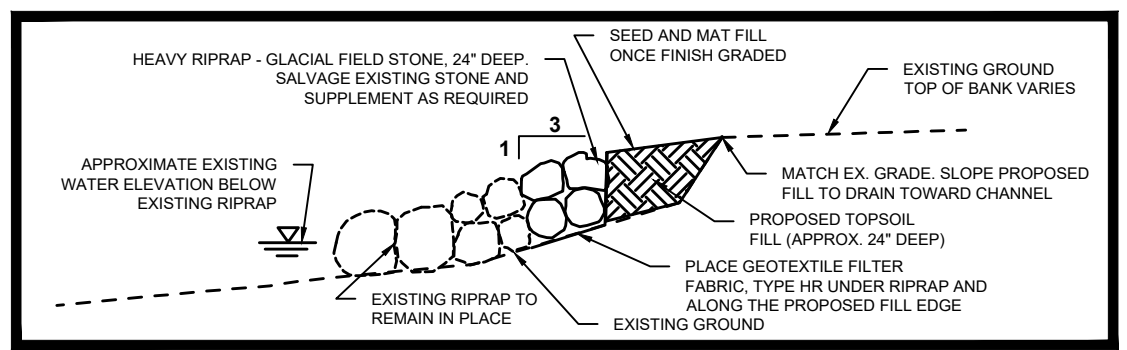
NO DISTURBANCE OR WORK SHALL OCCUR WITHIN THE WATERWAY

GENERAL NOTES

1. ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
2. IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT. IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
3. CONTRACTOR SHALL ENSURE THAT ALL STORMWATER DRAINS DURING FINAL RESTORATION
4. CONTRACTOR SHALL REPLACE ALL SIDEWALK AND CURB & GUTTER THAT IS DAMAGED BY CONSTRUCTION.

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
2. ALL DISTURBED AREAS SHALL BE RESTORED WITH 4 INCHES OF TOPSOIL, TERRACE SEED MIX AND CLASS 1 TYPE A ORGANIC EROSION MATTING.
3. ALL RIPRAP REPAIR SHALL BE COMPLETED FROM THE SHORELINE. THE CONTRACTOR SHALL NOT DRIVE EQUIPMENT OR ACCESS THE PROJECT FROM THE LAKE TO COMPLETE REPAIRS
4. SILT FENCE OR SILT SOCK SHALL BE INSTALLED AS DIRECTED BY THE CONSTRUCTION ENGINEER
5. SILT FENCE OR SILT SOCK SHALL BE PLACED AROUND ANY STOCKPILE AREAS
6. THE PROJECT SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF RAINFALL EVENT GREATER THAN 0.5". ANY DEFICIENCIES SHALL BE IMMEDIATELY REPAIRED.
7. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS. THE CONTRACTOR SHALL PLACE SILT SOCK OR SILT FENCE AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.
8. EROSION CONTROL MEASURES INDICATED ON THE PLANS SHALL BE CONSIDERED MINIMUMS. IF DETERMINED NECESSARY DURING CONSTRUCTION ADDITIONAL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
10. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1
11. ALL DISTURBED AREAS SHALL BE STABILIZED WITH CLASS 1, TYPE A ORGANIC EROSION MATTING
12. ALL MUD TRACKING OFF-SITE ONTO ADJACENT PUBLIC THOROUGHFARES SHALL BE CLEANED UP AND REMOVED AT THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS.



RIPRAP REPAIR TYPICAL SECTION DETAIL - NTS

12869	12869	P2
MADISON, MADISON, WI	REVISION	DATE BY
CONTRACT NO: 8860	Date: 1-06-2020	Scale: #####
PROPOSED IMPROVEMENTS - YAHARA PLACE PARK	MARK	Designed By: gyp
FEMA SHORELINE REPAIRS - 2022	12869	
CITY OF MADISON		
01/19/21		
P2		