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<b>REVISION DATE</b>	08/05/2024			
SURVEYED: RIVERSIDE	DESIGNED: MTS DRAWN BY: NSB			
	COVER SHEET		FORWARD CREATIVE SERVICES LLC	1260 KOWALSKI ROAD
N	so 10 S		E	E



USE NATIVE SOL MODIFIED WITH 2"-3" OF COMPOST FOR INFILTRATION. TILL COMPOST INTO THE TOP 6"-12" OF NATIVE MATERIAL.

<u>STORM WATER</u> INFILTRATION BASINS PER DNR TS1003



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NU S		TYPICAL DETAILS	DESIGNED: MTS DRAWN BY: NSB	08/05/2024	MARATHON LECHNICAL SERVICES LLC CONSULTING ENGINEERS
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## 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.

ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOIL CONDITIONS.

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

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS.

- ① STEEL POSTS SHALL BE A STUDDED "TEE" OR "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 SHALL BE A POST MOVEMENT ARE REQUIRED. WOULD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 11/2" X 31/2" X ST WOOD POSTS FOR GEOTEXTLE FABRIC REINFORCED WITH NETTING SHALL BE MINIMUM SIZE OF 11/8" X 11/8" OAK OR HICKORY. (2) MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
- C-C. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4<sup>4</sup> OR EQUIAL AN HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. WRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN 3
- 4
- WIRE SUPFORT FERCE STATUS BE IT GADE MINIMOW WOULD 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.
   LENGTH NOT LESS THAN THE CIRCUMFERENCE OF THE LARGEST TIRE ON THE CONSTRUCTION EQUIPMENT, PLUS 5 FEET.



- NOTES USE ONLY DITCH CHECKS FOUND ON THE WISCONSIN DEPARTMENT

- USE ONLY DITCH CHECKS FOUND ON THE WISCONSIN DEPARTMENT OF TRANSPORTATION PRODUCT ACCEPTABILITY LIST (PAL).
   INSPECT DITCH CHECK FOR DEFICIENCIES PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AFTER RAIN EVENTS, AND AT 1-WEEK INTERVALS.
   DITCH CHECK TO BE INSTALLED FROM TOP OF BERM TO TOP OF BERM TO PREVENT WATER FROM GOING AROUND THE DITCH CHECK.
   A STAKE SHALL BE PLACED AT THE TOE OF SLOPE ON BOTH SIDES.
   REMOVE SEDIMENT BEHIND DITCH CHECK BEFORE SEDIMENT LEVEL REACHES THE HALFWAY POINT BETWEEN THE GROUND SURFACE AND TOP OF THE DITCH CHECK.
- TOP OF THE DITCH CHECK.

TEMPORARY DITCH CHECK



FABRIC SHALL EXTEND A MIN. 8" BEYOND THE ENDGE OF THE CASTING TO PROVED A HAND HOLD WHEN REMOVING GEOTEXTILE FABRIC, -INLET CASTING INLET PROTECTION, TYPE C

(WITH CURB BOX)

INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

INSTALLATION: 1. REMOVE INLET GRATE 2. PLACE THE GRATE TOP OF THE CASTING 3. PLACE THE GRATE BACK IN PLACE KEEPING A MINIMUM OF 8" OF FABRIC EXTENDING ON ALL SIDES

MAINTENANCE: CLEAN AS NEEDED TO MAINTAIN FLOW. DO NOT CUT OR RIP FABRIC TO INCREASE FLOWS. USE OF FABRIC WILL CREATE SHORT TERM PONDING OF WATER. DO NOT USE FABRIC INLET PROTECTION IF ADJACENT BUILDINGS OR PROPERTIES MAY BE DAMAGED BY PONDING WATER. LEVATIONS ON SITE SHALL BE SUCH THAT ANY PONDED WATER WILL HAVE AN EMERGENCY OVERFLOW POINT AWAY FROM AREAS THAT MAY BE DAMAGED BY FLOODING.

GENERAL NOTES: USE ONLY THE FOLLOWING GEOTEXTILE FABRIC THAT ARE APPROVED BY - GTF 403 B) TC MIRAFI FILTERWEAVE 401. FOR INLEY PROTECTION, TYPE C, WITH A CURB BOX, AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.





## INSTALLATION NOTES:

BEGIN AT THE TOP OF THE SLOPE. ANCHOR THE MAT IN A 6" WIDE x 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH.
 ROLL THE MAT DOWN THE SLOPE IN DIRECTION OF FLOW.
 OVERLAP PARALLEL EROSION MAT APPROX. 2". PLACE MAT END OVER END (SHINGLE STYLE).

OVERLAP END TO END APPROX. 6" AND STAPLE OVERLAP AREA WITH STAPLES APPROX. 12" APART.

NON-CHANNEL EROSION MAT



- BEGIN AT THE TOP OF THE CHANNEL SLOPE. ANCHOR THE MAT IN A 6" WIDE x 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH.
   ROLL THE MAT DOWN THE BOTTOM OF THE CHANNEL SLOPING IN DIRECTION OF FLOW.

- ROLL THE MAI DOWN THE BOTTOM OF THE CHANNEL SLOPING IN DIRECTION OF FLOW.
   OVERLAP END TO END APPROX. 6" WITH DOUBLE ROW OF STAGGERED STAPLES APPROX. 4" APART.
   BEGIN AT THE TOP OF THE SIDE SLOPES. ANCHOR THE MAT IN A 6" WIDE x 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH.
   EROSION MAT ON SIDE SLOPES MUST BE MINIMUM OVERLAP OF 4" AND STAPLED.
   OVERLAP END TO END APPROX. 6" AND STAPLE OVERLAP AREA WITH STAPLES APPROX. 12" APART
- APART.
  T. IN HIGH FLOW CHANNEL, A STABLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4" APART OVER THE WIDTH OF CHANNEL. PLACE A SECOND ROW OF STAPLES 4" BELOW THE FIRST ROW IN A STAGEERED PATTERN.
  8. IN THE CHANNEL ANCHOR THE MAT IN A 6" WIDE x 6" DEEP TRENCH. BACKFILL AND COMPACT THE TRENCH.













## SED EROSION CONTROL ACTIVITIES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF
- DEMOLITION/CONSTRUCTION. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START 2 OF SOIL DISTURBING ACTIVITIES. KEEP A COPY OF THE EROSION CONTROL PLANS AND STORMWATER & EROSION
- 3.
- CONTROL MANAGEMENT PLAN ON SITE THROUGHOUT THE PROJECT
- INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
- CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
- DEF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES, INCLUDING SOIL 7. TRACKED BY CONSTRUCTION TRAFFIC, SHALL AT A MINIMUM BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR OTHER DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR OTHER DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM ADJACENT STREETS BY THE USE OF MECHANICAL OR MANUAL SWEEPING OPERATIONS ONCE A WEEK AT A MINIMUM AND BEFORE IMMINENT RAIN EVENTS.
- DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE 8. TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
- WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING ANY SEDIMENT 9
- OR TRASH THAT HAS MOVED OFF-SITE SHALL BE SWEPT OR CLEANED UP BEFORE THE END OF THE WORK DAY. 10. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
- . INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY
- RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER. 12. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A
- SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
- 13. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH THE WI DNR TECHNICAL STANDARDS 1061 TO PREVENT THE DISCHARGE OF SEDIMENT TO THE MAXIMUM EXTENT PRACTICABLE.
- 14. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOW OR FROZEN GROUND. 15. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
- THE CONTRACTOR SHALL ONLY USE PHOSPHORUS FREE FERTILIZER FOR ALL LANDSCAPE APPLICATIONS.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING PLANTED DISTURBED AREAS WHENEVER MORE THAN 7 DAYS OF DRY WEATHER OCCUR.
- 18. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND ON WISCONSIN DNR WEBSITE OR PROVIDE IF NECESSARY.
- 19. EROSION CONTROL PLAN IS FOR UTILITY AND ROADWAY ONLY. INDIVIDUAL LOTS WILL NEED THEIR OWN EROSION CONTROL PLAN.

- INSTALL PERIMETER EROSION CONTROL PRIOR TO START OF CONSTRUCTION.
- BEGIN ROUGH GRADING AND UTILITY INSTALLATION. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT 3. TRANSPORT
- ALL DISTURBED AREAS SHALL BE STABILIZED, TEMPORARILY AND/OR PERMANENT, WITHIN 14 DAYS OF DISTURBANCE, OR PERMANENTLY STABILIZED WITHIN 7 DAYS OF ACHIEVING FINISHED GRADE.
- EROSION CONTROL MAT SHALL BE PLACED ON ALL SLOPES 4:1 OR GREATER. 5.
- EROSION CONTROL MAT SHALL BE CLASS 1, TYPE A, URBAN. 6. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.
- REMOVE SILT FENCE AFTER SUROUNDING AREAS HAVE BEEN SEEDED AND THE GRASS IS WELL ESTABLISHED.



