

FILE NAME = \\Projects\2024\124-296 Westchester Co - Quaker Bridge Replacement\Working\CADD\lgn connect\2023\124-296_cpb_lan_01.dgn
DATE/TIME = 2/25/25 2:57:34 PM
USER = Detrick
PLOT = NY_PDF.pltcf

LANDSCAPE SPECIFICATIONS:

WARRANTY

1. WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND BE IN HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF 1 YEAR AFTER COMPLETION AND ACCEPTANCE OF EACH PROJECT AREA. PROJECT AREAS WILL BE ACCEPTED UPON FULL COMPLETION OF PROJECT SITE.
2. REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE DEAD OR, AS DETERMINED BY THE LANDSCAPE ARCHITECT, ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AND HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES, OR OTHER CAUSES DUE TO THE CONTRACTOR'S NEGLIGENCE. THE COST OF SUCH REPLACEMENT(S) IS AT CONTRACTOR'S EXPENSE. WARRANT ALL REPLACEMENT PLANTS FOR 1 YEAR AFTER INSTALLATION. CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER AND SEASON PERMIT.
3. WARRANTY SHALL NOT INCLUDE DAMAGE OR LOSS OF TREES, PLANTS, OR GROUND COVER CAUSED BY FIRES, FLOODS, FREEZING RAINS, LIGHTNING STORMS, OR WINDS OVER 75 MILES PER HOUR, WINTER KILL CAUSED BY EXTREME COLD AND SEVER WINTER CONDITIONS NOT TYPICAL OF PLANTING AREA, ACTS OF VANDALISM, OR NEGLIGENCE ON THE PART OF THE OWNER.
4. REMOVE AND IMMEDIATELY REPLACE ALL PLANTS, AS DETERMINED BY THE LANDSCAPE ARCHITECT (OR ENGINEER AUTHORIZED REPRESENTATIVE) TO BE UNSATISFACTORY DURING THE INITIAL PLANTING INSTALLATION.

MATERIALS

1. PLANTS: PROVIDE PLANTS TYPICAL OF THEIR SPECIES OR VARIETY; WITH NORMAL, DENSELY-DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS FREE FROM DEFECTS, DISFIGURING KNOTS, SUN SCALD INJURIES, FROST CRACKS, ABRASIONS OF THE BARK, PLANT DISEASES, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL PLANTS SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACES. PLANTS HELD IN STORAGE WILL BE REJECTED IF THEY SHOW SIGNS OF GROWTH DURING STORAGE.
- a. BALLED AND BURLAPPED PLANTS: DIG BALLED AND BURLAPPED PLANTS WITH FIRM NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVER OF THE PLANT. PROVIDE BALL SIZES COMPLYING WITH THE LATEST EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK". CRACKED OR MUSHROOMED BALLS ARE NOT ACCEPTABLE.
- b. CONTAINER GROWN STOCK: GROWN IN A CONTAINER FOR SUFFICIENT LENGTH OF TIME FOR THE ROOT SYSTEM TO HAVE DEVELOPED TO HOLD ITS SOIL TOGETHER, FIRM AND WHOLE.

1) NO PLANTS SHALL BE LOOSE IN CONTAINER.
2) CONTAINER STOCK SHALL NOT BE POT BOUND.
- c. PROVIDE TREE SPECIES WITH A SINGLE MAIN TRUNK. TREES THAT HAVE THE MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE.
- d. PLANTS PLANTED IN ROWS OR MASS SHALL BE MATCHED IN FORM.
- e. PLANTS LARGER THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED WHEN ACCEPTABLE TO THE LANDSCAPE ARCHITECT.

1) IF THE USE OF LARGER PLANTS IS ACCEPTABLE, INCREASE THE SPREAD OF ROOTS OR ROOTBALL IN PROPORTION TO THE SIZE OF THE PLANT.
- f. SHRUBS AND SMALL PLANTS SHALL MEET THE REQUIREMENTS FOR A SPREAD AND HEIGHT INDICATED IN THE PLANT LIST.

1) THE MEASUREMENT FOR HEIGHT SHALL BE TAKEN FROM THE GROUND LEVEL TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT AND NOT THE LONGEST BRANCH.
2) SINGLE STEMMED OR THIN PLANTS WILL NOT BE ACCEPTED.
3) SIDE BRANCHES SHALL BE GENEROUS, WELL-TWIGGED, AND THE PLANT AS A WHOLE WELL-BUSHED TO THE GROUND.
4) PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES, OR OTHER ROOT OR BRANCH INJURIES.

ACCESSORIES

1. TOPSOIL FOR PLANTING BEDS; FERTILE, FRIABLE, NATURAL TOPSOIL OF LOAMY CHARACTER, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL, OBTAINED FROM A WELL-DRAINED ARABLE SITE, REASONABLY FREE FROM CLAY, LUMPS, COARSE SANDS, STONES, PLANTS, ROOTS, STICKS, AND OTHER FOREIGN MATERIALS.
- a. IDENTIFY SOURCE LOCATION OF TOPSOIL PROPOSED FOR USE ON THE PROJECT.
- b. PROVIDE TOPSOIL FREE OF SUBSTANCES HARMFUL TO THE PLANTS WHICH WILL BE GROWN IN THE SOIL.
2. PEAT MOSS: BROWN TO BLACK IN COLOR, WEED AND SEED FREE GRANULATED RAW PEAT OR BALED PEAT, CONTAINING NOT MORE THAN 9 PERCENT MINERAL ON A DRY BASIS.
3. FERTILIZER: TYPE "A": COMMERCIAL TYPE APPROVED BY THE LANDSCAPE ARCHITECT, CONTAINING 12 PERCENT NITROGEN, 12 PERCENT PHOSPHORIC ACID, AND 12 PERCENT POTASH BY WEIGHT. ONE-FOURTH OF NITROGEN IN THE FORM OF NITRATES, ONE-FOURTH IN FORM OF AMMONIA SALT, AND ONE-HALF IN FORM OF ORGANIC NITROGEN OR EQUAL.
4. ANTI-DESICCANT: PROTECTIVE FILM EMULSION PROVIDING A PROTECTIVE FILM OVER PLANT SURFACES; PERMEABLE TO PERMIT TRANSPIRATION, MIXED AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. MULCH: TREES, SHRUBS, AND PERENNIAL BEDS - SHREDDED HARDWOOD MULCH FURNISHED IN BAGS OR BULK.
6. WATER: FREE OF SUBSTANCES HARMFUL TO PLANT GROWTH. HOSES OR OTHER METHODS OF TRANSPORTATION FURNISHED BY CONTRACTOR. CONTRACTOR WILL PROVIDE WATER ON SITE.

PREPARATION

1. TIME OF PLANTING:

a. DECIDUOUS MATERIAL: PLANT DECIDUOUS MATERIAL IN A DORMANT CONDITION. IF DECIDUOUS TREES ARE PLANTED IN-LEAF, THEY SHALL BE SPRAYED WITH AN ANTI-DESICCANT PRIOR TO PLANTING OPERATION.

b. SPRING PLANTING: MARCH 15TH THROUGH MAY 15TH

c. FALL PLANTING: SEPTEMBER 15TH THROUGH OCTOBER 15TH

d. PLANTING TIMES SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
2. PLANTING SHALL BE PERFORMED ONLY BY EXPERIENCED WORKMEN FAMILIAR WITH PLANTING PROCEDURES UNDER THE SUPERVISION OF A QUALIFIED SUPERVISOR.
3. CONTRACTOR TO LOCATE PLANTS IN THE FIELD BY STAKING. LANDSCAPE ARCHITECT TO APPROVE LOCATIONS. IF OBSTRUCTIONS ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, DO NOT PROCEED WITH PLANTING OPERATIONS UNTIL ALTERNATE PLANT LOCATIONS HAVE BEEN SELECTED AND APPROVED BY LANDSCAPE ARCHITECT.
4. EXCAVATED CIRCULAR PLANT PITS WITH VERTICAL SIDES, EXCEPT FOR PLANTS SPECIFICALLY INDICATED TO BE PLANTED IN BEDS. PROVIDE TREE AND SHRUB PITS AT LEAST TWO (2) TIMES GREATER THAN THE DIAMETER OF THE ROOT SYSTEM. EXCAVATE TREE PITS TO THE DEPTH OF THE TREE BALL AND BACK FILL IN PLANTING MIX TO CORRECT ELEVATION FOR TREE BALLS. MULCH BEDS ARE TO BE PROVIDED FOR ALL LANDSCAPE MASSINGS. CIRCULAR MULCH AREAS FOR INDIVIDUAL TREES WILL BE CONSISTENT IN SIZE THROUGHOUT THE PROJECT AREAS.
5. PROVIDE PLANTING MIXTURE TO USE AROUND THE BALLS AND ROOTS OF ALL PLANTS CONSISTING OF THREE (3) PARTS EXISTING SOIL, TWO (2) PARTS PLANTING TOPSOIL, ONE (1) PART PEAT MOSS, AND ONE-HALF (½) LB. PLANT FERTILIZER TYPE "A" FOR EACH CU. YD. OF MIXTURE OR APPROVED EQUAL.
6. INSTALL ORGANIC MATTER LAYER - AFTER THE SPECIFIED TOPSOIL OR PLANTING MIX IS INSTALLED AND JUST PRIOR TO FINAL GRADING AND INSTALLATION OF TREE, SHRUB, OR FLOWER PLANTINGS, SPREAD 100 MM (4") OF ORGANIC MATTER OVER ALL MULCHED BED AREAS DESIGNATED ON THE DRAWINGS AND ROTOTILL INTO THE TOP 100 MM (4") OF THE PLANTING MIX OR TOPSOIL. ALLOW THE FINISHED GRADES TO REMAIN 50-75 MM (2-3") HIGHER THAN THE GRADES ON THE GRADING PLAN TO ANTICIPATE SETTLEMENT OVER THE FIRST YEAR. AT THE END OF THE PLANTING GUARANTEE PERIOD, RESET THE GRADES IN THIS AREA, IF REQUIRED, TO THE FINAL GRADES SHOWN ON THE GRADING PLAN.
7. WEEDING - BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, FINISH GRADING AND PLANTING BED PREPARATION, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL ALSO APPLY A PREEMERGENT TO ALL LANDSCAPE BEDS AT THE CONTRACTOR'S EXPENSE.

8. EXISTING TREES SHAL BE REMOVED INCLUDING THE ROOTS UNDER ITEM 201.06 - CLEARING AND GRUBBING. ALL TREES TO BE REMOVED HAVE BEEN MARKED IN THE FIELD.

INSTALLATION

1. SET PLANT MATERIAL IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT. SET PLANTS UPRIGHT, PLUMB, AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO OTHER OR ADJACENT STRUCTURE. SET PLANT MATERIAL 2-3" ABOVE THE FINISH GRADE. NO FILLING WILL BE PERMITTED AROUND TRUNKS OR STEMS. BACKFILL THE PIT WITH PLANTING MIXTURE. DO NOT USE FROZEN OR MUDDY MIXTURES FOR BACKFILLING. FORM A RING OF SOIL AROUND THE EDGE OF EACH PLANTING PIT TO RETAIN WATER.
2. AFTER BALLED AND BURLAPPED PLANTS ARE SET, MUDDLE PLANTING SOIL MIXTURE AROUND THE BASES OF BALLS AND FILL ALL VOIDS.
- a. REMOVE ALL BURLAP, ROPES, AND WIRES FROM THE TOP 1/3 OF BALLS AFTER ONE YEAR GUARANTEE PERIOD.
3. MULCHING: MULCH TREE, SHRUB PLANTING PITS, AND PERENNIAL BEDS WITH REQUIRED MULCH MATERIAL 3" DEEP IMMEDIATELY AFTER PLANTING. THOROUGHLY WATER MULCHED AREAS. AFTER WATERING, RAKE MULCH TO PROVIDE A UNIFORM FINISHED SURFACE.
4. NO TREE WRAPPING, STAKING, OR GUYING IS PERMITTED UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT.
5. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS/HER WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE LANDSCAPE ARCHITECT.
6. TREE PLACEMENT TO BE FIELD VERIFIED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO INSTALLATION. CONTRACTOR TO NOTIFY ENGINEER IF FIELD CONDITIONS PREVENT REQUIRED NUMBER OF TREES TO BE PLANTREES REPLACED ON CORTLANDT SIDE

VILLAGE OF CROTON ON HUDSON TREES
AT THE 2:1 RATIO, 22 TREES WERE REMOVED, 3 TREES HAVE BEEN SITED FOR REPLACEMENT ON SITE.
THE REMAINING 41 TREES WILL NEED TO BE PLANTED OFF-SITE. RECOMMENDED SPECIES TO BE SELECTED FROM PLANT SCHEDULE (LOCATION TO BE DETERMINED BY VILLAGE)
AT THE 1:1 RATIO, 35 OF THE 35 REMOVED TREES HAVE BEEN SITED FOR REPLACEMENT ON SITE.

TOWN OF CORTLANDT TREES
AT THE 2:1 RATIO, 19 TREES WERE REMOVED, 10 TREES HAVE BEEN SITED FOR REPLACEMENT ON SITE.
THE REMAINING 28 TREES WILL NEED TO BE PLANTED OFF-SITE. RECOMMENDED SPECIES TO BE SELECTED FROM PLANT SCHEDULE (LOCATION TO BE DETERMINED BY TOWN)

ROLLED EROSION CONTROL MAT

1. ALL SLOPES STEEPER THAN 25% THAT ARE NOT PROTECTED BY STONE FILL SHALL HAVE TURF ESTABLISHED AND HAVE A ROLLED EROSION CONTROL PRODUCT, CLASS I TYPE A, SHORT TERM INCORPORATED INTO THE WORK.
2. THE SELECTED ROLLED EROSION CONTROL PRODUCT SHALL BE BIODEGRADABLE.

IN CHARGE OF M. HUNT
CHECKED BY K. SCHUMAN—EKES
MADE BY K. DETRICK

1	7/18/25	KSE		NOTE REVISION
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION	
☐ AS BUILT — CHANGES AS NOTED	
☐ AS BUILT — NO CHANGES	
CONTRACTOR	
NAME _____	PROJECT COORDINATOR
SIGNATURE _____	SIGNATURE _____
TITLE _____ DATE _____	TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	
REPLACEMENT OF QUAKER BRIDGE ROAD BRIDGE OVER CROTON RIVER (BIN 3348560) TOWN OF CORTLANDT, NEW YORK LANDSCAPING NOTES	
CONTRACT NUMBER 25—500	SHEET NUMBER LAN—01
SHEET NO. 18A1 OF 56	
SCALE: AS SHOWN DATE: 07/28/2025	
DPW FILE NO. 56—02—R—219—0	REV. REV. 1

BIN# 3348560

CONSULTANT SEAL

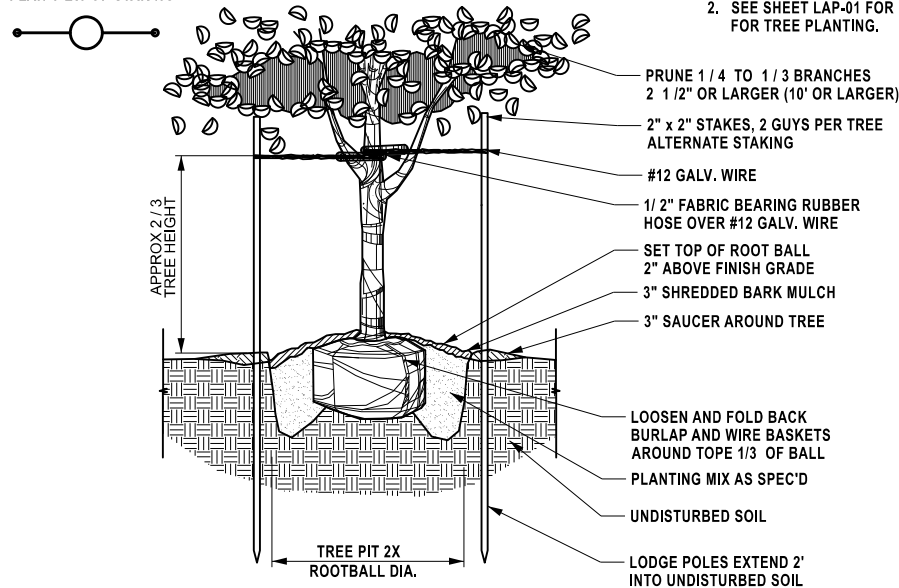


CONSULTANT INFORMATION



FILE NAME = \$FILES
DATE/TIME = 02/24/2025 9:35:33 AM
USER = mcr
PLOT = NY_PDF.pltcf

PLAN VIEW OF STAKING

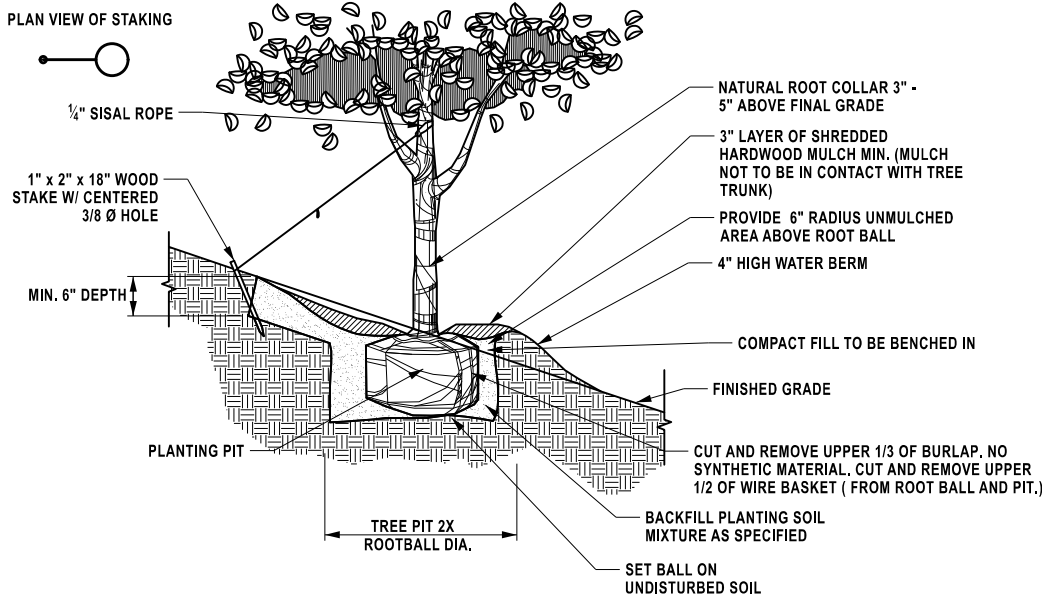


TREE PLANTING DETAIL
(NOT TO SCALE)

NOTES:

1. REMOVE GUYING, TREE WRAP, ETC. AFTER ONE GROWING SEASON.
2. SEE SHEET LAP-01 FOR PAY ITEMS FOR TREE PLANTING.

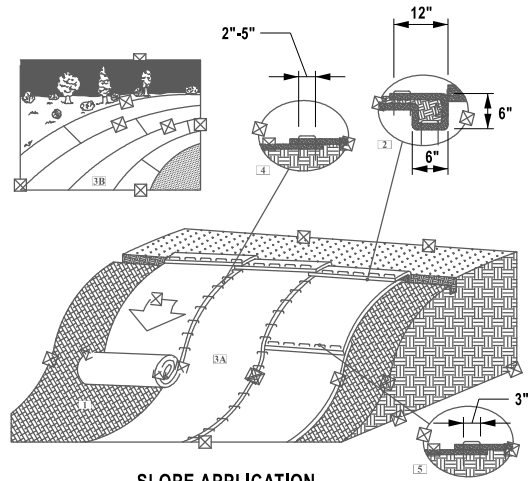
PLAN VIEW OF STAKING



NOTES:

1. THIS DETAIL SHALL APPLY TO ALL TREES PLANTED ON A SLOPE.
2. PROVIDE MINIMAL PRUNING. ONLY TO CORRECT DAMAGED BRANCHES. DO NOT CUT LEADERS.
3. FLUORESECNT FLAGGING ON WIRE.

SLOPE TREE PLANTING DETAIL
(NOT TO SCALE)



SLOPE INSTALLATION GUIDELINES:

THESE GUIDELINES ARE RECOMMENDATIONS ONLY. ANY QUESTIONS WITH THE INSTALLATION SHOULD BE CONFIRMED WITH YOUR LOCAL DISTRIBUTOR. PAYMENT FOR ROLLED EROSION CONTROL PRODUCT AND ALL ASSOCIATED LABOR AND MATERIALS SHALL BE PAID FOR UNDER ITEM 209.1801.

1. DIG A 6" BY 6" TRENCH BOTH UP-SLOPE AND DOWN-SLOPE OF THE AREA THE MATTING IS TO BE APPLIED. PREPARE THE SLOPE SOIL SURFACE (RAKING, SEEDING AND FERTILIZING).
2. BEGIN BY PLACING THE BLANKET A MINIMUM OF 12" DOWN-SLOPE OF THE UP-SLOPE TRENCH. SECURE THE BLANKET AT THE BOTTOM OF THE TRENCH WITH STAPLES PLACED 12" APART. BACKFILL AND COMPACT THE TRENCH. APPLY SEED, AND FOLD THE BLANKET OVER SOIL, SECURE WITH A ROW OF STAPLES PLACED 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKET VERTICALLY DOWN THE SLOPE. SECURE USING THE APPROPRIATE STAPLE PATTERN BELOW, SPECIFIED BY SLOPE.
4. PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM OF 4", AND SECURED WITH A ROW OF STAPLES PLACED APPROXIMATELY 3'-0" APART.
5. ADDITIONAL VERTICAL BLANKETS CAN BE JOINED USING A MINIMUM 4" OVERLAPPING OF SHINGLE STYLE IN THE DIRECTION OF WATER FLOW. CONNECT THE BLANKETS BY PLACING STAPLES APPROXIMATELY 12" APART ACROSS THE WIDTH OF BLANKETS.
6. FOR MAXIMUM PERFORMANCE A CHECK SLOT SHOULD BE PLACED AT 25'-40' INTERVALS. PLACE A ROW OF STAPLES 4" APART ALONG ENTIRE WIDTH OF THE SLOPE. A SECOND ROW SHOULD BE PLACED 4" BELOW IN A STAGGERED PATTERN. THEN CONTINUE WITH GENERAL INSTALLATION.
7. THE END OF BLANKET MUST BE SECURED IN A 6"x6" TRENCH WITH A ROW OF STAPLES PLACED AT 12" INTERVALS.

ROLLED EROSION CONTROL PRODUCT DETAIL
(NOT TO SCALE)

BIN# 3348560



CONSULTANT INFORMATION
Creighton Manning
a GAI Company

IN CHARGE OF **M. HUNT**
CHECKED BY **K. SCHUMAN-EKES**
MADE BY **K. DETRICK**

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
☐ AS BUILT - CHANGES AS NOTED			
☐ AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 25-500	SHEET NUMBER LAD-01
REPLACEMENT OF QUAKER BRIDGE ROAD BRIDGE OVER CROTON RIVER (BIN 3348560) TOWN OF CORTLANDT, NEW YORK LANDSCAPING DETAILS		SHEET NO. 17 OF 56	
		SCALE: AS SHOWN DATE: 06/24/2025	
		DPW FILE NO. 56-02-R-218-0	REV. NO. 0