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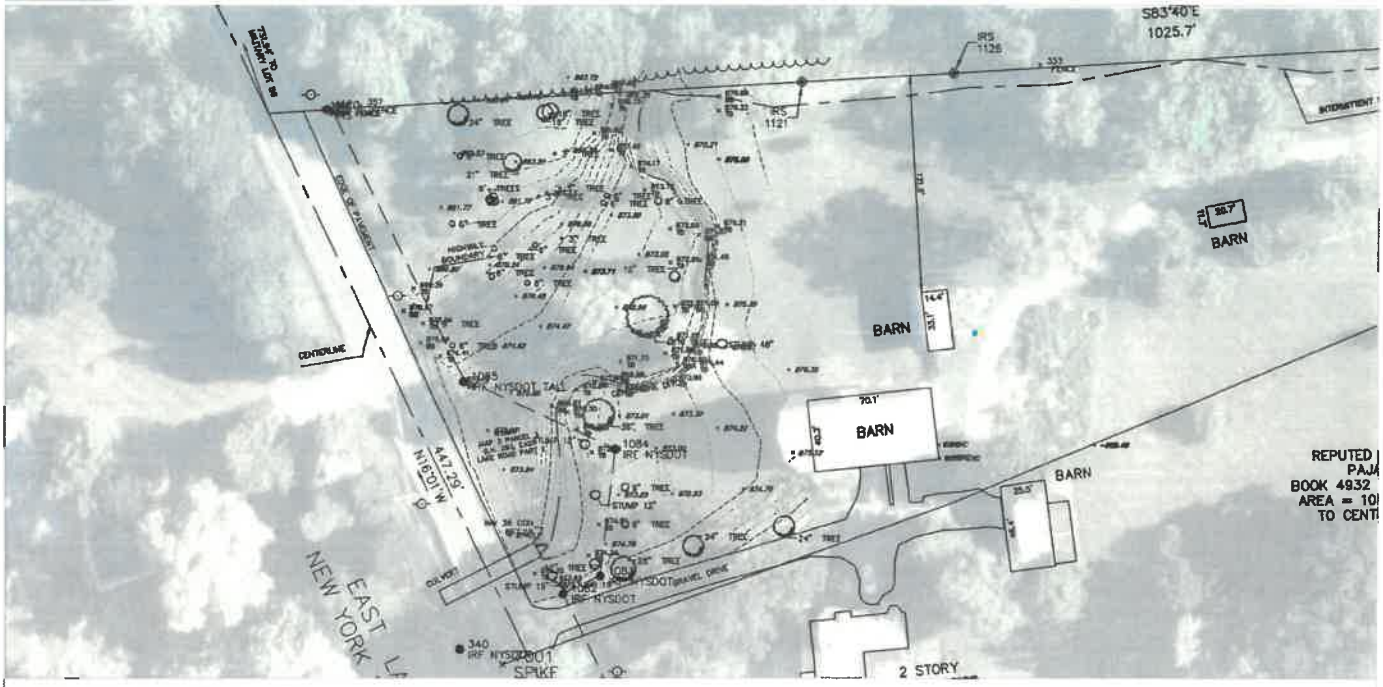

SOURCE: Survey provided by PJO Surveying & 3D Laser Scanning, CAD File "SK36-01-38.1, 2896 EAST LAKE ROAD MARCH 2022.dwg", dated March 16, 2022. Aerial from Bing Maps.
HORIZONTAL DATUM: New York Central Zone. North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

LEGEND:

------1095------ EXISTING CONTOURS (FEET NGVD1929)
---------- (1-FOOT INTERVAL)

0 50
Feet

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Filepath: K:\Projects\2016-Skaneateles\Pajak Property\E12323-R7-004 Existing and Proposed Conditions Rev3 dwg Figure 1b

ANCHOR QEA

Figure 1b
Existing Conditions
Pajak Property
Skaneateles Lake Association

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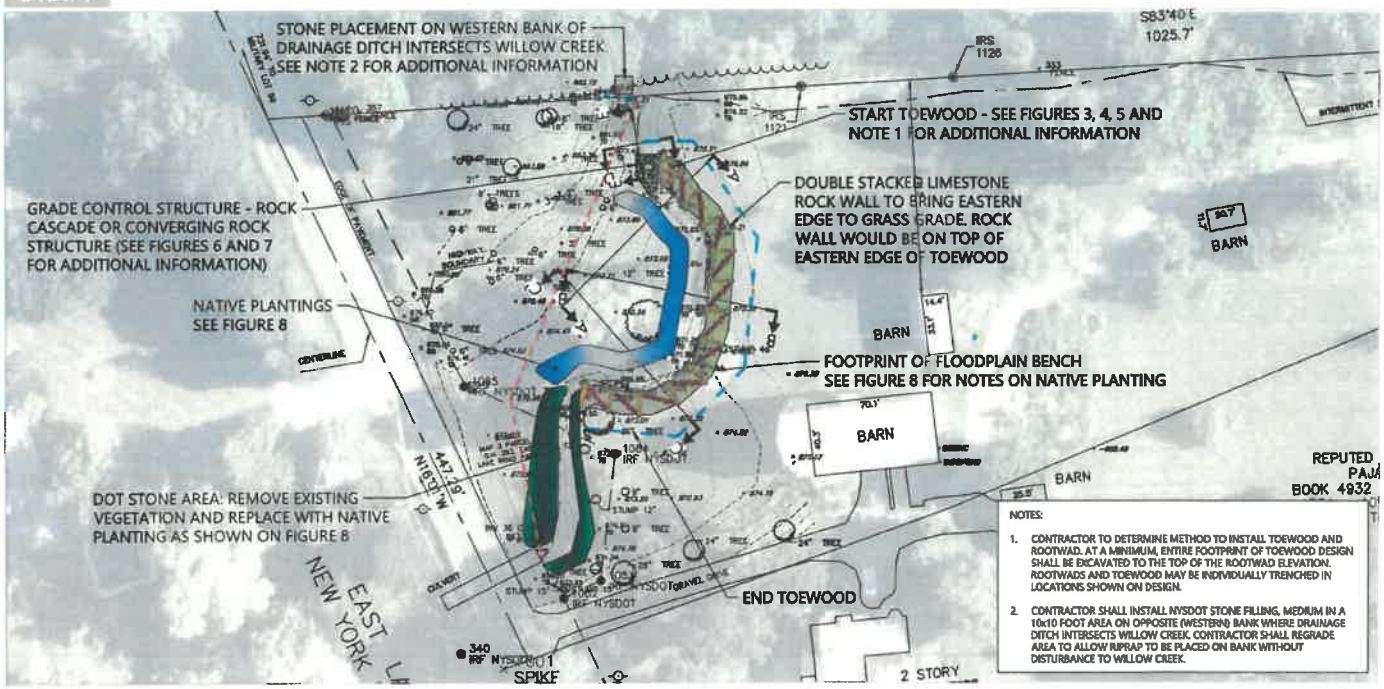

SOURCE: Survey provided by PJO Surveying & 3D Laser Scanning, CAD File "SK36-01-38.1, 2896 EAST LAKE ROAD MARCH 2022.dwg", dated March 16, 2022. Aerial from Bing Maps.
HORIZONTAL DATUM: New York Central Zone, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

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Filepath: E:\Projects\2076-Stanwix\Pajak Property\L12823-RP-004 Existing and Proposed Conditions Rev3.dwg Figure 2

ANCHOR QEA

Figure 2
Restoration Plan
Pajak Property
Skaneateles Lake Association

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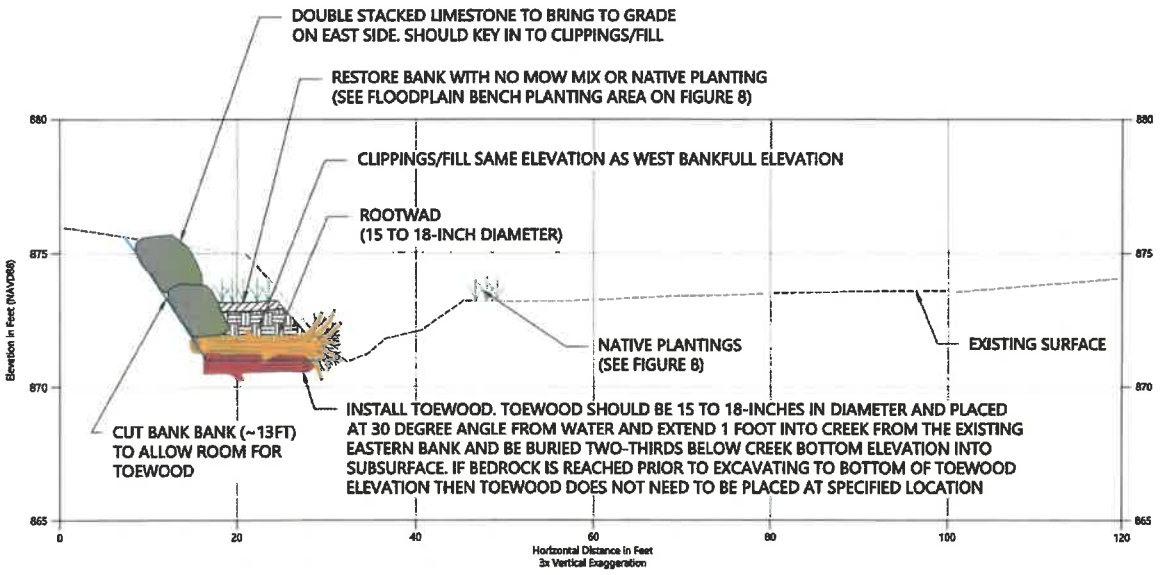

SOURCE: Survey provided by PJO Surveying & 3D Laser Scanning, CAD File "SK36-01-38.1, 2696 EAST LAKE ROAD MARCH 2022.dwg", dated March 16, 2022.
HORIZONTAL DATUM: New York Central Zone, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

LEGEND:
EXISTING GRADE
PROPOSED GRADE

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ANCHOR QEA

Figure 3
Section A-A'
Pajak Property
Skaneateles Lake Association

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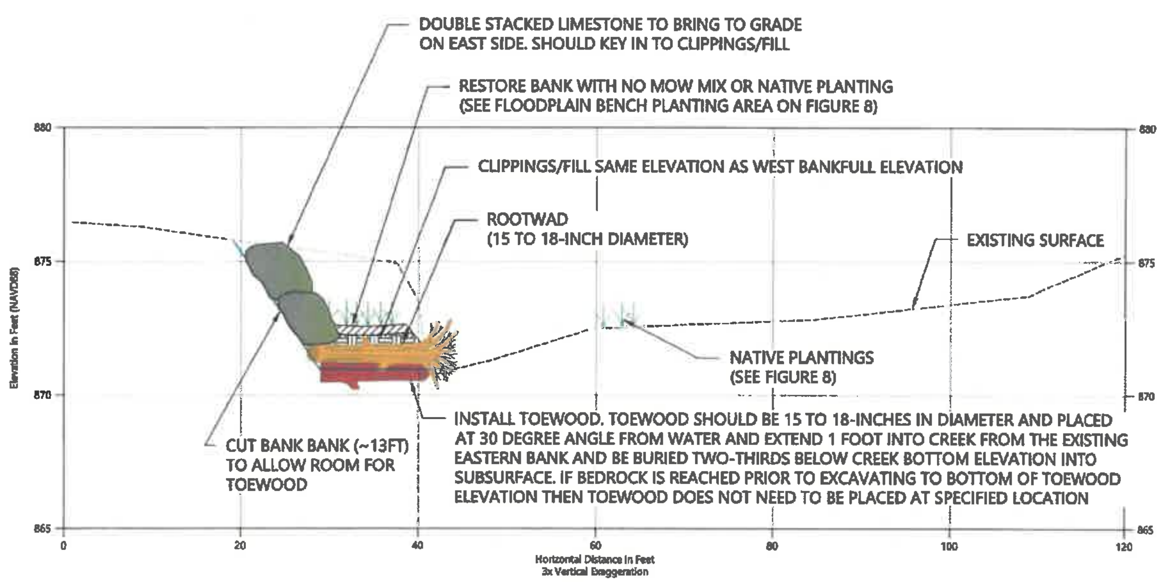
DOUBLE STACKED LIMESTONE TO BRING TO GRADE ON EAST SIDE. SHOULD KEY IN TO CLIPPINGS/FILL
RESTORE BANK WITH NO MOW MIX OR NATIVE PLANTING (SEE FLOODPLAIN BENCH PLANTING AREA ON FIGURE 8)
CLIPPINGS/FILL SAME ELEVATION AS WEST BANKFULL ELEVATION
ROOTWAD (15 TO 18-INCH DIAMETER)
EXISTING SURFACE
NATIVE PLANTINGS (SEE FIGURE 8)
INSTALL TOEWOOD. TOEWOOD SHOULD BE 15 TO 18-INCHES IN DIAMETER AND PLACED AT 30 DEGREE ANGLE FROM WATER AND EXTEND 1 FOOT INTO CREEK FROM THE EXISTING EASTERN BANK AND BE BURIED TWO-THIRDS BELOW CREEK BOTTOM ELEVATION INTO SUBSURFACE. IF BEDROCK IS REACHED PRIOR TO EXCAVATING TO BOTTOM OF TOEWOOD ELEVATION THEN TOEWOOD DOES NOT NEED TO BE PLACED AT SPECIFIED LOCATION
CUT BANK BANK (~13FT) TO ALLOW ROOM FOR TOEWOOD
Elevation in Feet (NAVD88)
880
875
870
865
0
20
40
60
80
100
120
Horizontal Distance in Feet
3x Vertical Exaggeration

SOURCE: Survey provided by PJO Surveying & 3D Laser Scanning, CAD File "SK36-01-38.1, 2896 EAST LAKE ROAD MARCH 2022.dwg", dated March 16, 2022.
HORIZONTAL DATUM: New York Central Zone, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

LEGEND:
- - - - - - - - EXISTING GRADE
——— PROPOSED GRADE

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ANCHOR QEA

Figure 4
Section B-B'
Pajak Property
Skaneateles Lake Association

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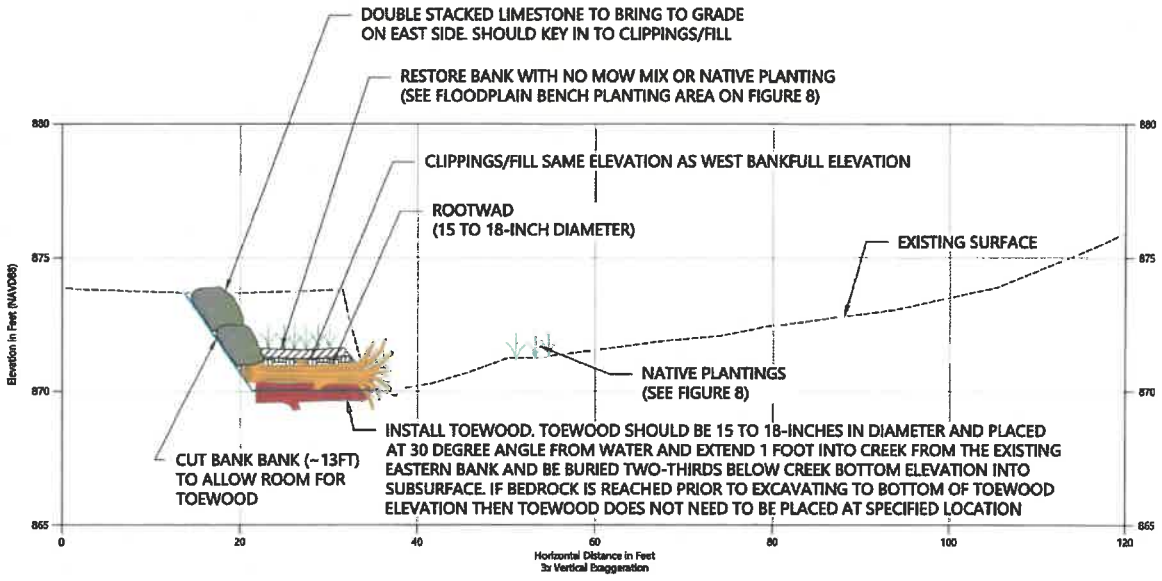

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HORIZONTAL DATUM: New York Central Zone, North American Datum of 1983 (NAD83), U.S. Survey Feet
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LEGEND:
EXISTING GRADE
PROPOSED GRADE

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ANCHOR QEA

Figure 5
Section C-C'
Pajak Property
Skaneateles Lake Association

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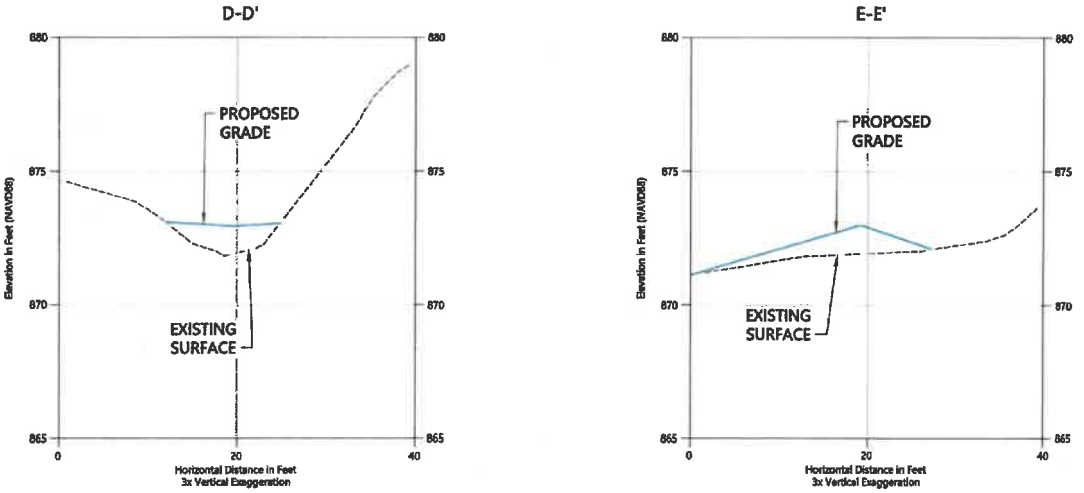

SOURCE: Survey provided by PJO Surveying & 3D Laser Scanning, CAD File "SK36-01-38.1, 2896 EAST LAKE ROAD MARCH 2022.dwg", dated March 16, 2022.
HORIZONTAL DATUM: New York Central Zone, North American Datum of 1983 (NAD83), U.S. Survey Feet
VERTICAL DATUM: North American Vertical Datum of 1988 (NAVD88)

LEGEND:
EXISTING GRADE
PROPOSED GRADE

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Filepath: K:\Projects\2076-Skaneateles\Pajak Property\E12323-RP-004 Existing and Proposed Conditions Rev3.dwg Figure 6

ANCHOR QEA

Figure 6
Sections D-D' and E-E'
Pajak Property
Skaneateles Lake Association

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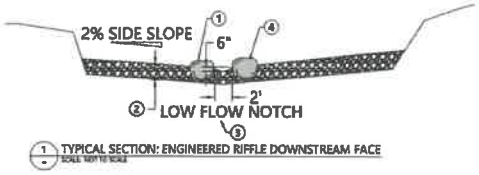
STREAMBED NOTES:

1. THE STREAMBED SHALL BE GRADED TO CREATE A SINUOUS THALWEG THROUGH THE ROUGHENED CHANNEL AND A SMALL LOW-FLOW CHANNEL DEFINED IN THE BED BETWEEN BOULDERS TO CONCENTRATE LOW FLOWS AND ENSURE SUFFICIENT DEPTH FOR FISH PASSAGE.
2. A LAYER OF IMPORT MATERIAL MEETING STREAMBED COBBLE SPECIFICATION SHALL BE PLACED TO RECREATE A NATURAL STREAM CHANNEL. THIS MATERIAL SHALL BE A WELL-GRADED MIX OF GRAVELS AND COBBLES (SEE GRADATION TABLES) CONTAINING SUFFICIENT SAND AND FINES TO ENSURE THE LOW STREAM FLOWS WILL NOT PERCOLATE INTO THE FILL (I.E., FLOW SUBSURFACE). CHANNEL FILL SHALL BE COMPACTED TO CONTROL PERMEABILITY. IF MATERIAL SORTING OCCURS DURING TRANSPORTATION, CARE SHOULD BE TAKEN TO ENSURE THAT THE MATERIAL IS WELL MIXED BEFORE PLACEMENT.
3. AFTER COMPACTION OF THE STREAMBED, THE BED SHALL BE COVERED WITH A SHALLOW BLANKET OF WASHED GRAVEL OR CLEANED BY FLUSHING WITH WATER.
4. BOULDERS SHALL MEET THE REQUIREMENTS OF NYSDOT STONE FILLING, HEAVY BOULDERS WILL BE PLACED THROUGHOUT THE ROUGHENED CHANNEL AT ENGINEER'S DIRECTION AT AN AVERAGE RATE OF ONE BOULDER PER 30 SQUARE FEET. BOULDER PLACEMENT RATES ARE AVERAGE OVER THE PROPOSED RIFFLE AREA AND SOME AREAS WILL BE MORE DENSE THEN OTHERS.
5. CARE SHALL BE TAKEN TO ENSURE THAT THE NEW STREAMBED IS PROPERLY SEALED AND SURFICIAL FLOW IS OCCURRING WHEN THE RIVER CHANNEL IS RECONNECTED. IF FLOW BEGINS PERCOLATING INTO THE STREAMBED UPON RECONNECTION, ADDITION OF FINE MATERIAL, WETTING, AND COMPACTION OF THE STREAMBED WILL BE REQUIRED UNTIL IT IS PROPERLY SEALED.

ROUGHENED CHANNEL NOTES:

1. NYSDOT STONE FILLING, HEAVY BOULDERS SHALL BE COUNTERSUNK TO AT LEAST ONE-HALF THEIR HEIGHT. THEY SHALL BE PLACED THROUGHOUT THE ROUGHENED CHANNEL TO ALLOW FOR THE CREATION OF MULTIPLE FLOW PATHS.
2. AT THE RIFFLE CREST PLACE AN APPROX. 2-FOOT LAYER OF IMPORT CHANNEL MATERIAL MEETING STREAMBED GRADATION. REDUCE THE THICKNESS OF THE STREAMBED MATERIAL UPSTREAM AND DOWNSTREAM OF THE CREST TO MATCH THE PROPOSED CHANNEL SLOPES SHOWN ON FIGURE 2
3. GRADE CHANNEL CROSS-SECTION IN A "V" SHAPED MANNER WITH THE LOW-FLOW NOTCH BEING THE LOWEST POINT, SLOPING INTO THE EXISTING BANKS. 2% SIDE SLOPES TO EITHER BANK AND 3.6% LONGITUDINAL SLOPE OF RIFFLE FACE.



1 - TYPICAL SECTION: ENGINEERED RIFFLE DOWNSTREAM FACE

STREAMBED GRADATION TABLE	
SCREEN SIZE	PERCENT PASSING BY WEIGHT
15"	80 - 100%
12"	70 - 80%
10"	40 - 60%
5"	20 - 30%
7/16"	20%
#20	10%
#200	5%

SOURCE: Survey provided by PJO Surveying & 3D Laser Scanning, CAD File "SK36-01-38.1, 2896 EAST LAKE ROAD MARCH 2022.dwg", dated March 16, 2022.
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ANCHOR QEA

Figure 7
Riffle Section and Detail
Pajak Property
Skaneateles Lake Association