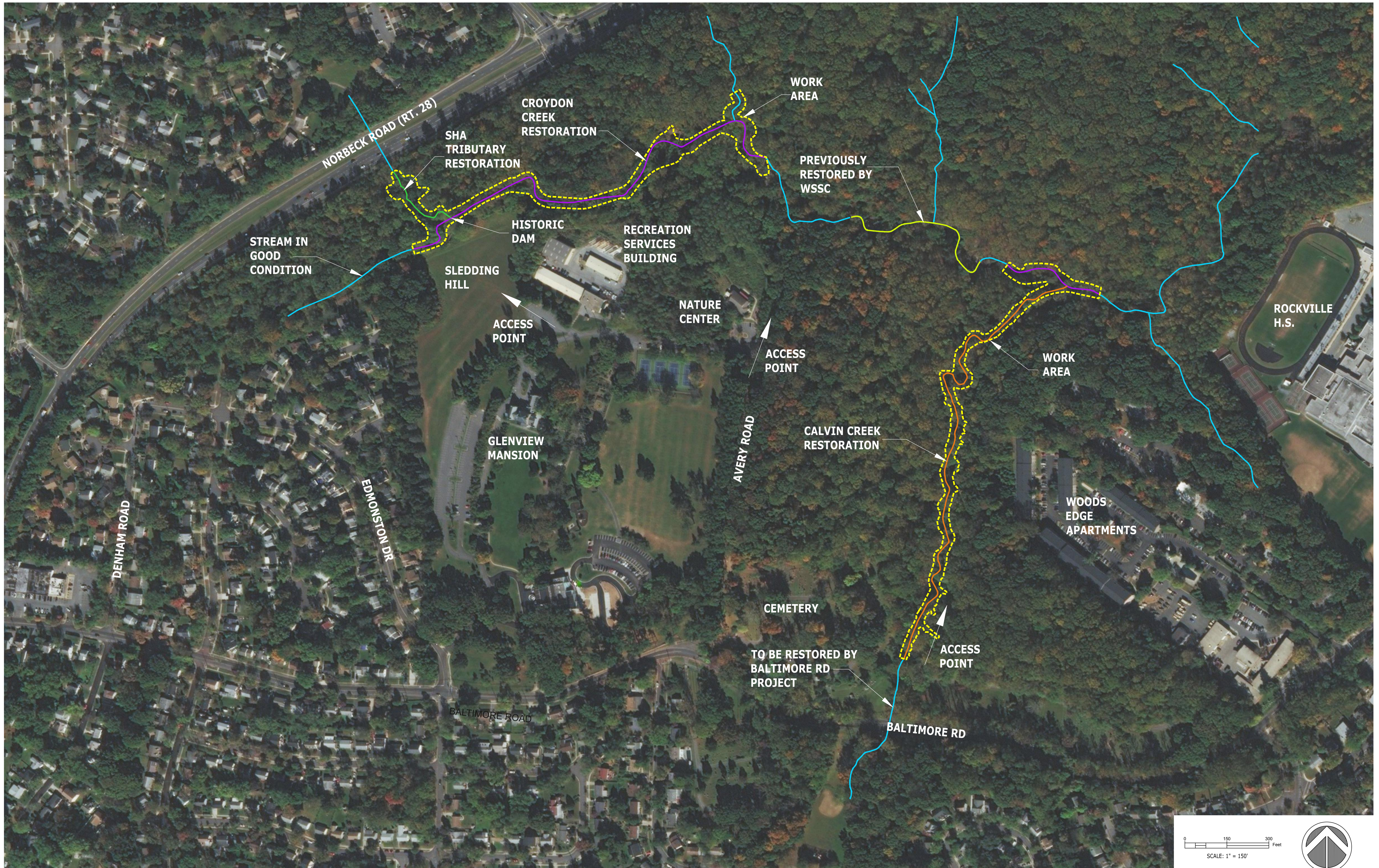


DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND



12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876
2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION
AERIAL EXHIBIT

JUNE 2018

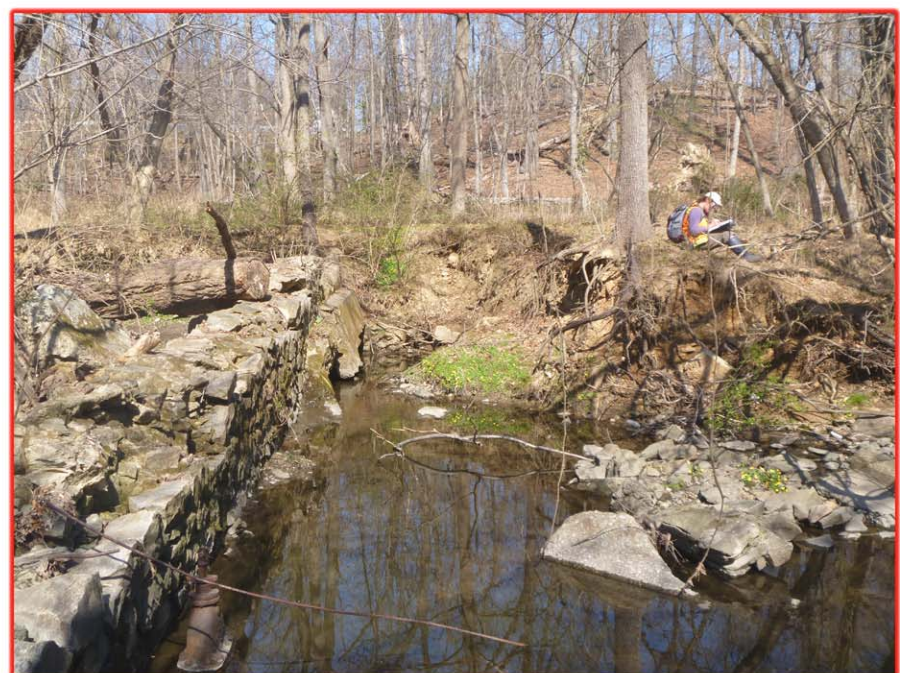
SCALE
1"=150'

DRAWING
NO. _____
OF 1

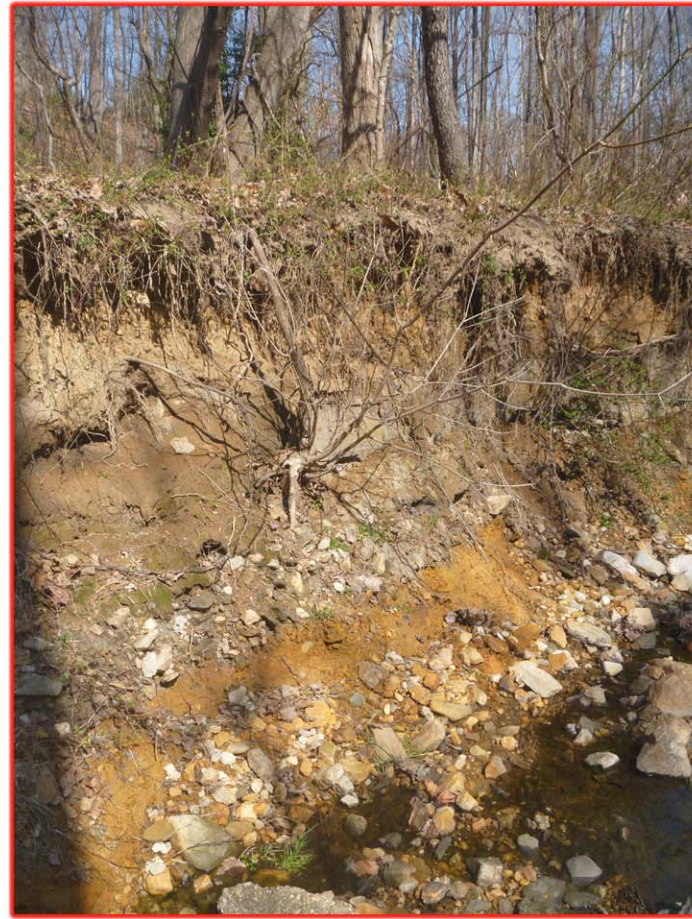
FILE



EXISTING OUTFALL & EROSION



ACTIVE BANK EROSION AT DAM UNDERCUTTING TREE



5-6' ERODING VERTICAL BANK



EXISTING DAM & INSTREAM RUBBLE TO BE REMOVED



ERODED MEANDER BEND & CONCRETE RUBBLE TO BE REMOVED



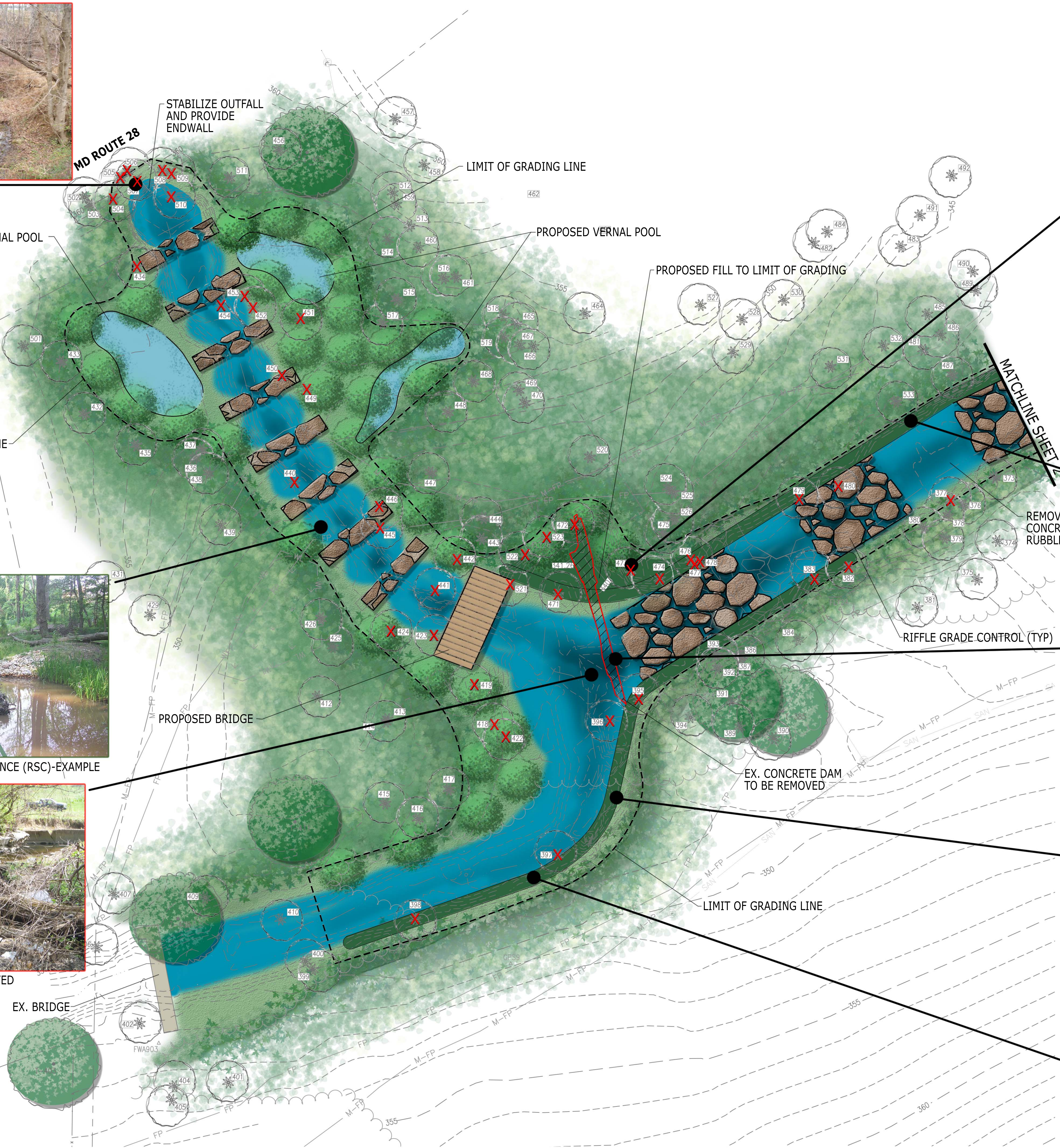
WRAPPED SOIL LIFTS EXAMPLE



REGENERATIVE STORM CONVEYANCE (RSC)-EXAMPLE



INSTREAM RUBBLE TO BE REMOVED



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND

URS 12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876
esa 2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

0 20 40
Feet
SCALE: 1" = 20'



JUNE 2018	SCALE 1"=20'	DRAWING NO. 1
		OF 8



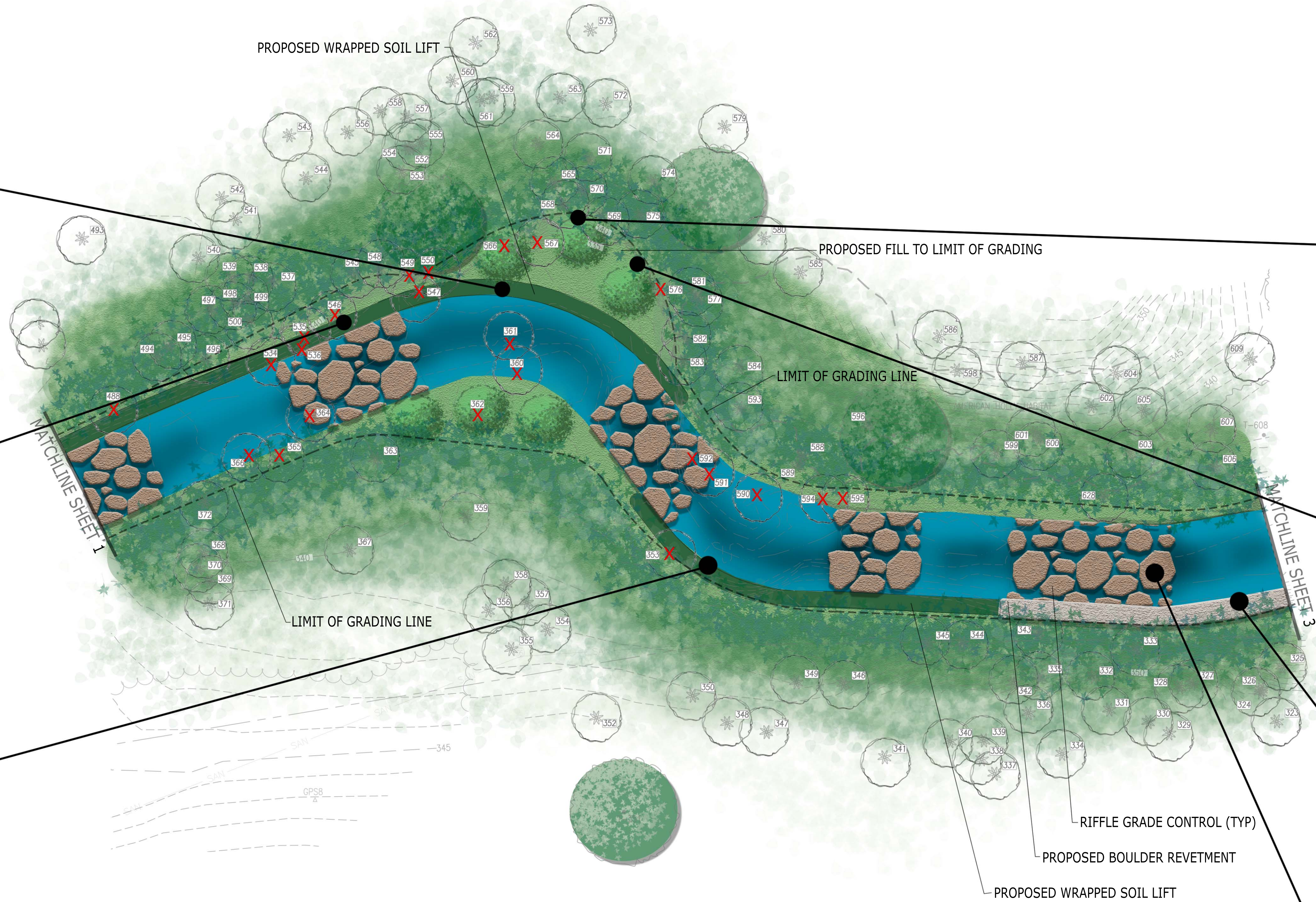
WRAPPED SOIL LIFTS CONSTRUCTION EXAMPLE



WRAPPED SOIL LIFTS EXAMPLE



ERODING MEANDER BEND



ERODING MEANDER BEND WITH UNDERCUT BANKS



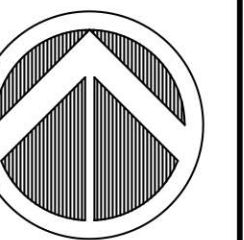
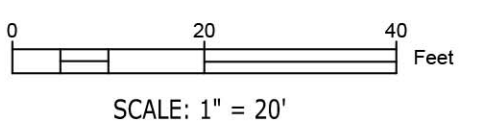
UNDERCUT BANK



BOULDER REVETMENT EXAMPLE



RIFFLE GRADE CONTROL EXAMPLE



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND

URS
12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876
esa
2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

JUNE 2018

SCALE
1" = 20'

DRAWING
NO. 2
OF 8



BANK EROSION



OVERWIDENED CHANNEL



ERODING MEANDER BEND



MEANDER BEND EROSION & FELLED TREES



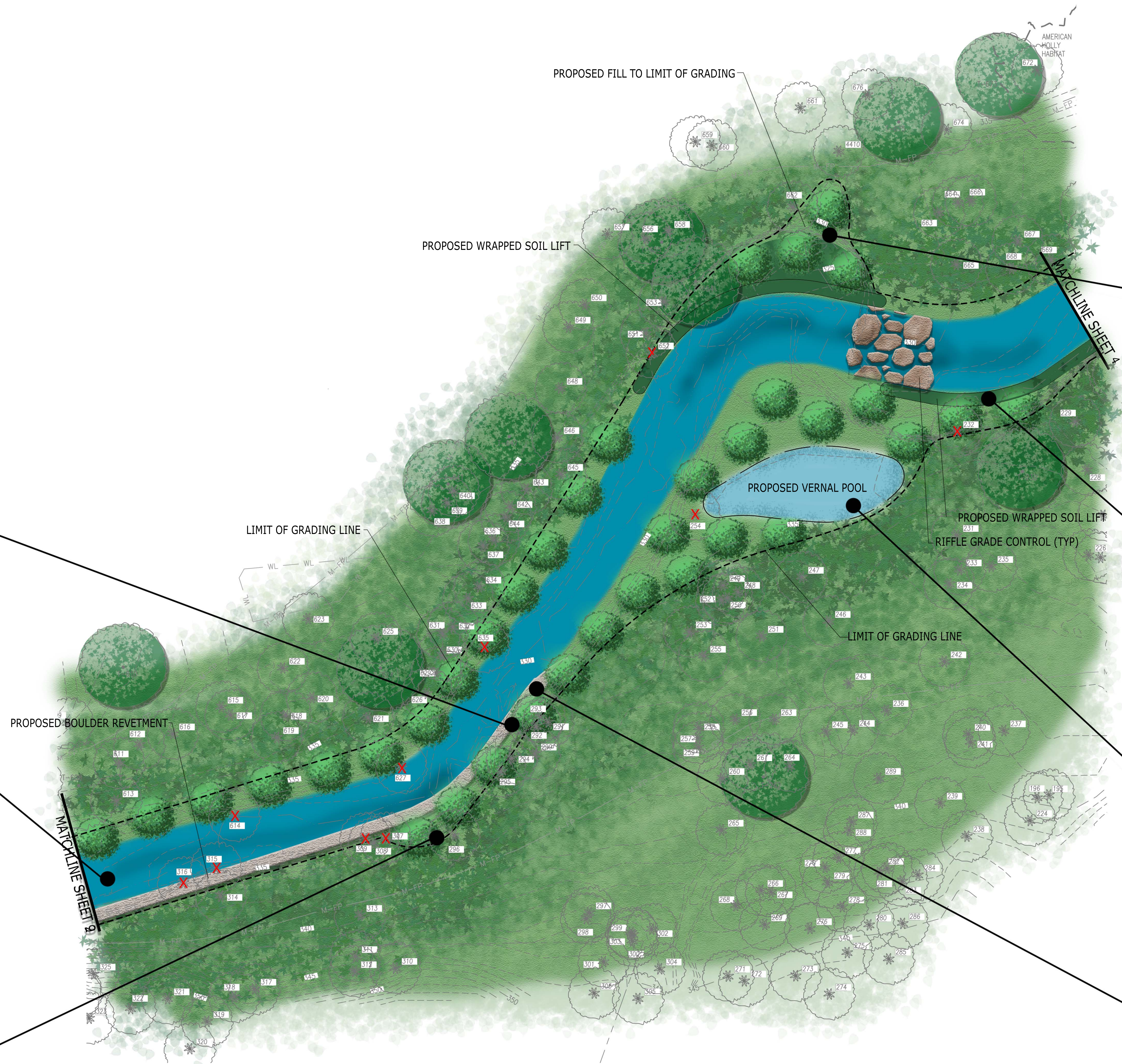
WRAPPED SOIL LIFTS EXAMPLE



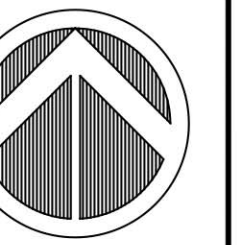
VERNAL POOL EXAMPLE



BOULDER REVETMENT EXAMPLE



0 20 40 Feet
SCALE: 1" = 20'



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND

URS 12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876
esa 2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

JUNE 2018

SCALE
1"=20'

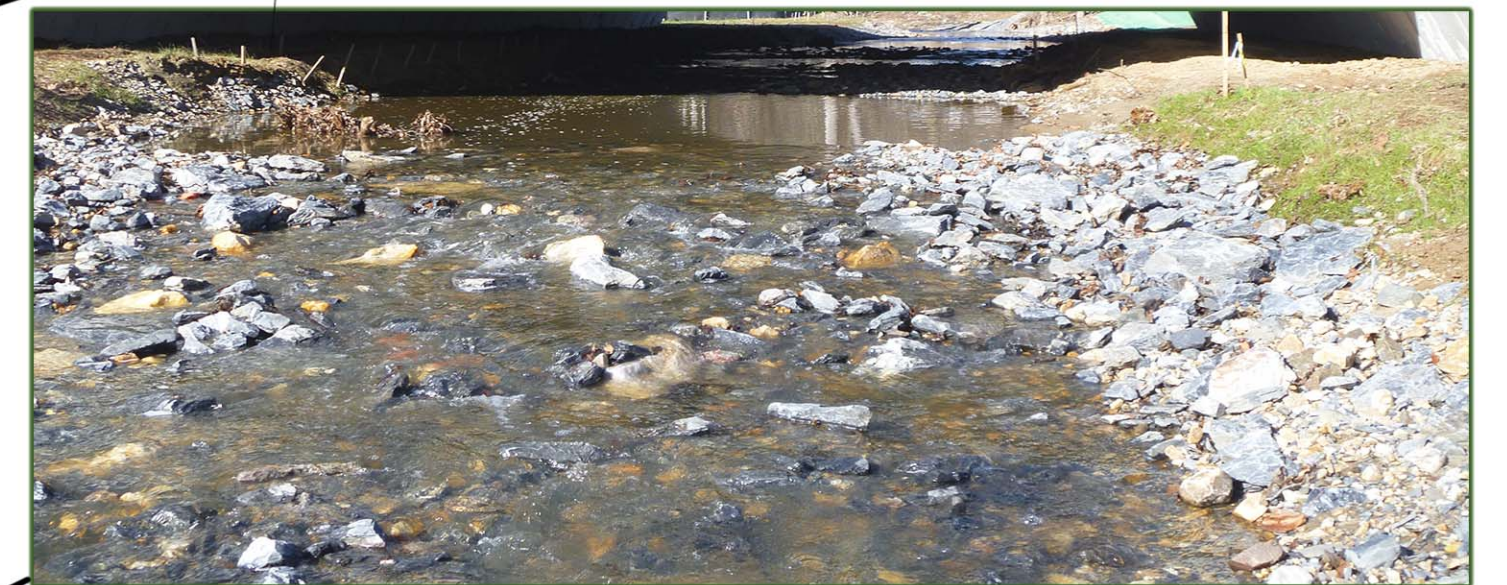
DRAWING
NO. 3
OF 8



CONFLUENCE WITH SMALL TRIBUTARY



ERODING MEANDER BEND



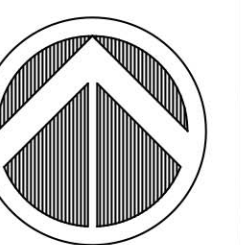
RIFFLE GRADE CONTROL EXAMPLE



VERNAL POOL EXAMPLE



0 20 40 Feet
SCALE: 1" = 20'



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND

URS 12420 MILESTONE CENTER DRIVE
SUITE 150 GERMANTOWN, MD 20876
esa 2141 PRIEST BRIDGE DRIVE
SUITE 1 CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

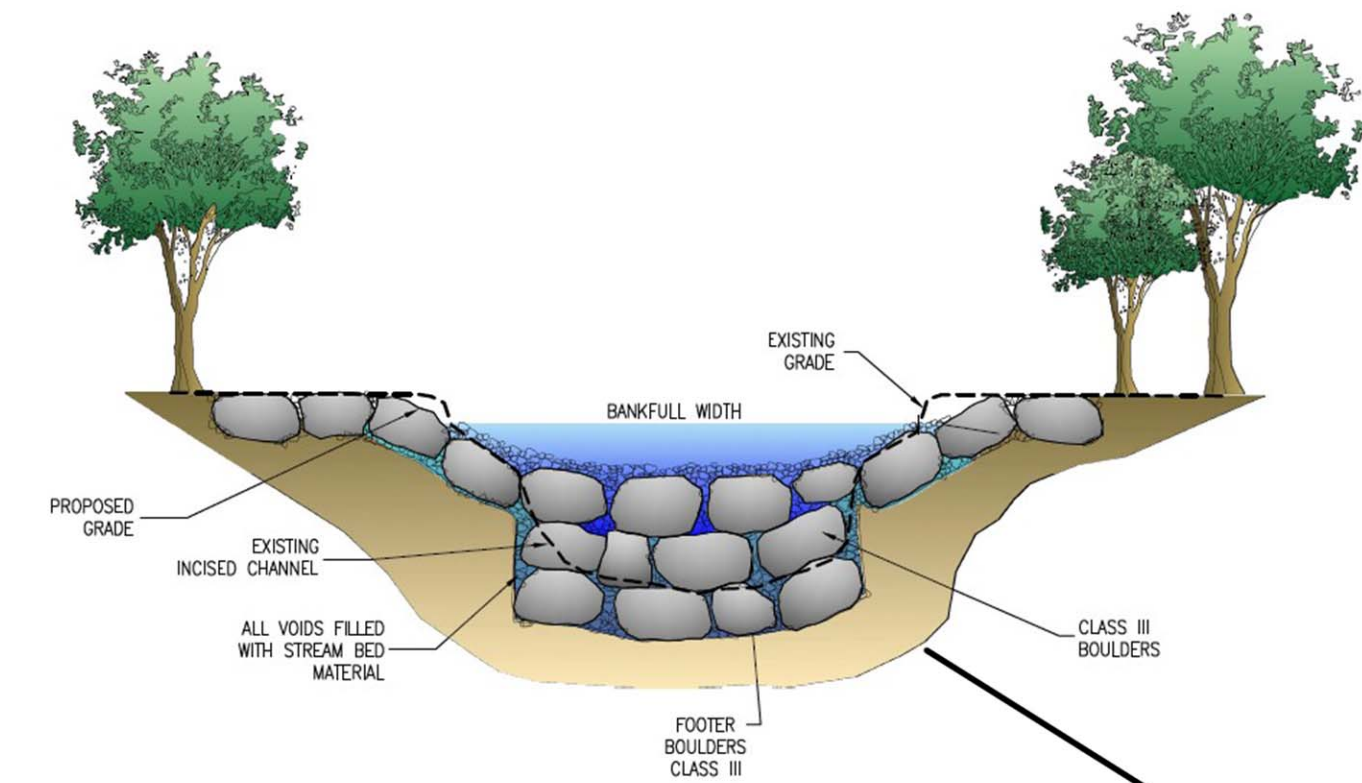
JUNE 2018

SCALE
1"=20'

DRAWING
NO. 4
OF 8



RIFFLE GRADE CONTROL EXAMPLE



RIFFLE WEIR RENDERING



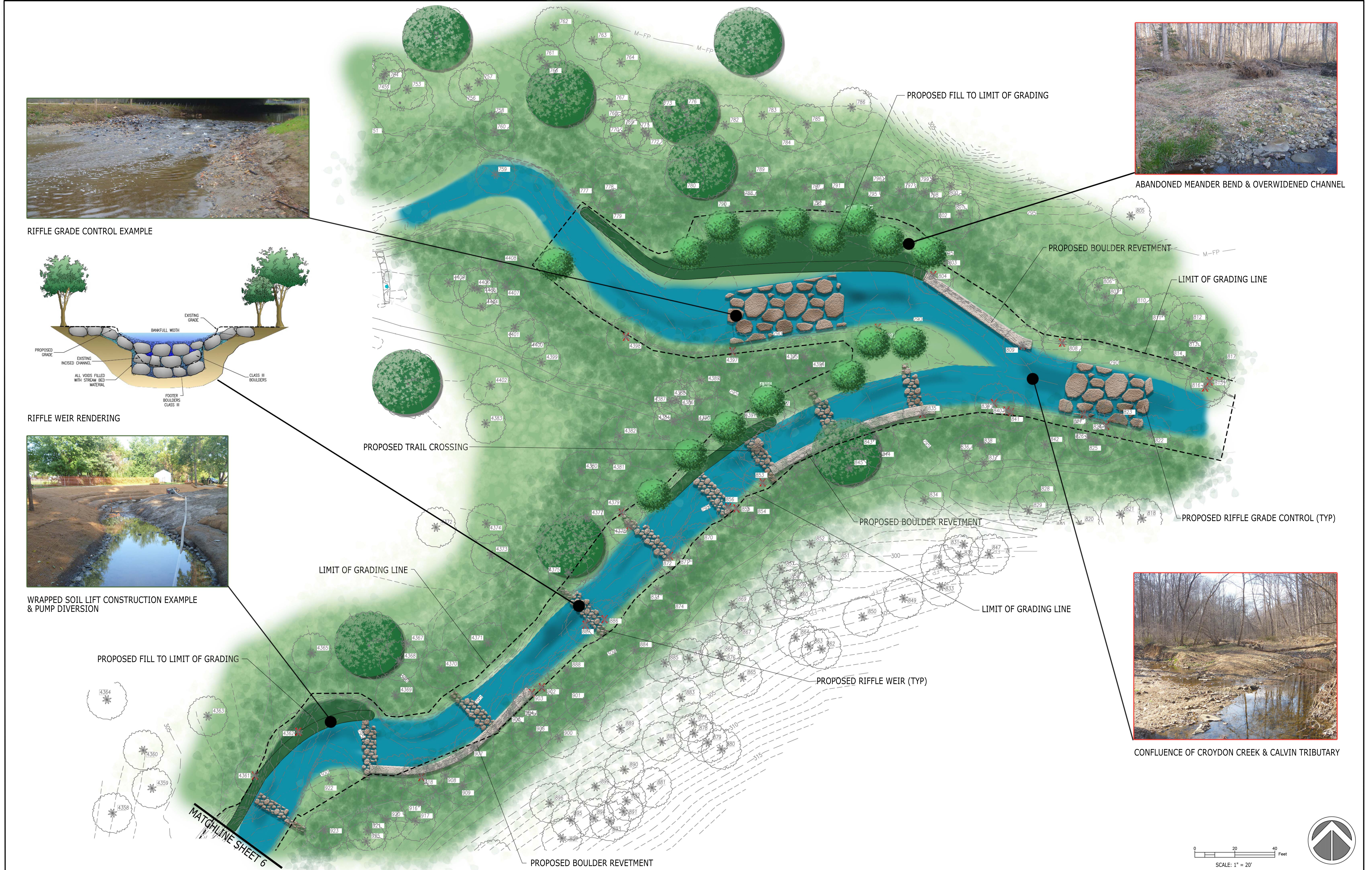
WRAPPED SOIL LIFT CONSTRUCTION EXAMPLE & PUMP DIVERSION



ABANDONED MEANDER BEND & OVERWIDENED CHANNEL



CONFLUENCE OF CROYDON CREEK & CALVIN TRIBUTARY



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND

URS
12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876
esa
2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

0 20 40 Feet
SCALE: 1" = 20'



JUNE 2018	SCALE 1"=20'	DRAWING NO. 5
		OF 8



ERODED MEANDER BEND WITH FELLED TREES



OVER-WIDENED CHANNEL WITH ERODED BANKS



RIFFLE WEIR EXAMPLE

PROPOSED VERNAL POOL

WRAPPED SOIL LIFT

LIMIT OF GRADING LINE

WRAPPED SOIL LIFT

WRAPPED SOIL LIFT

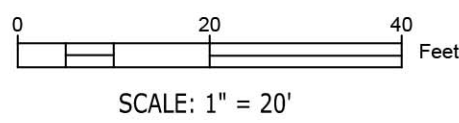
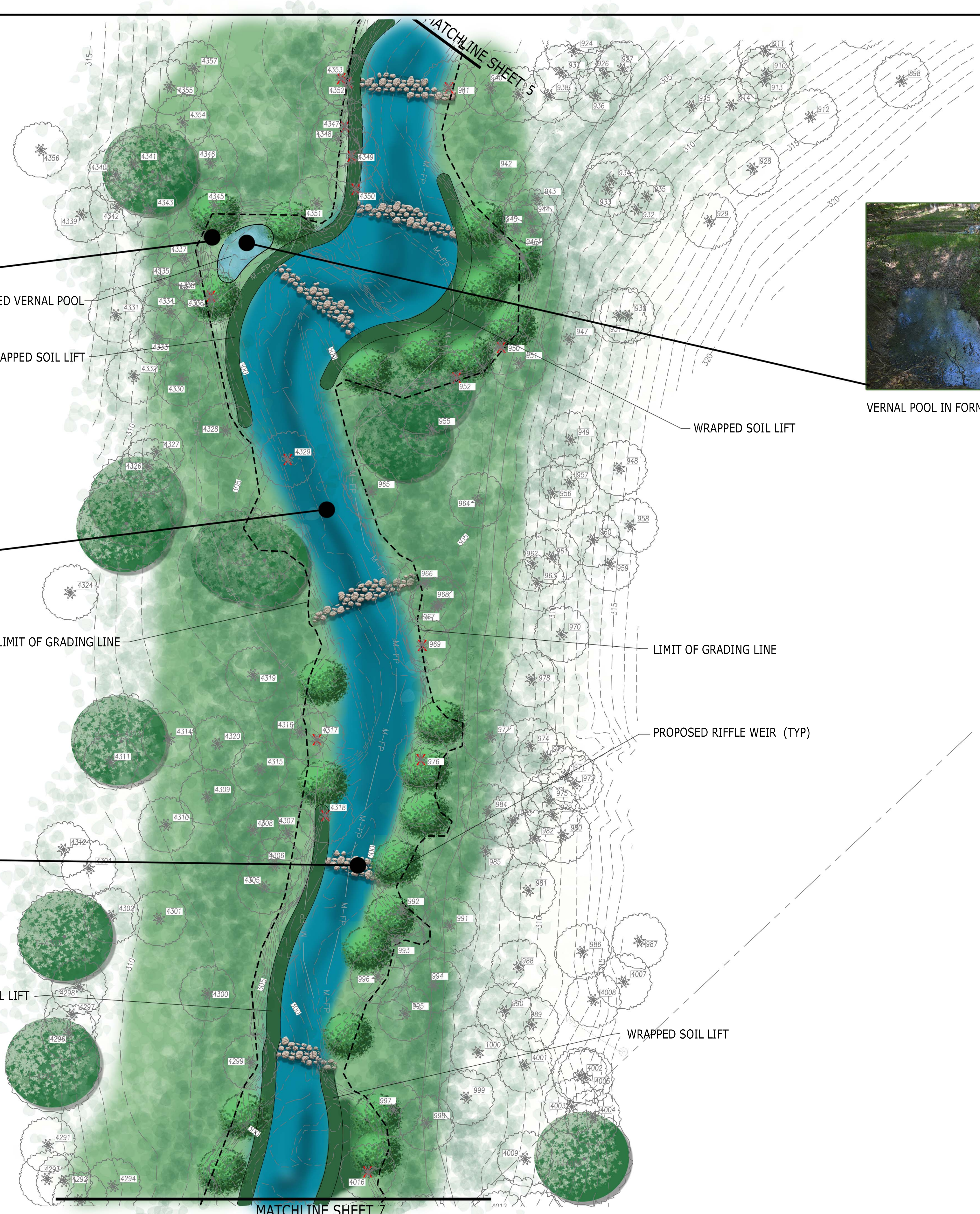
LIMIT OF GRADING LINE

PROPOSED RIFFLE WEIR (TYP)

WRAPPED SOIL LIFT



VERNAL POOL IN FORMER TORTUOUS MEANDER BEND EXAMPLE



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND



12420 MILESTONE CENTER DRIVE,
SUITE 150
GERMANTOWN, MD 20876

2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

JUNE 2018	SCALE 1"=20'	DRAWING NO. 6
		OF 8

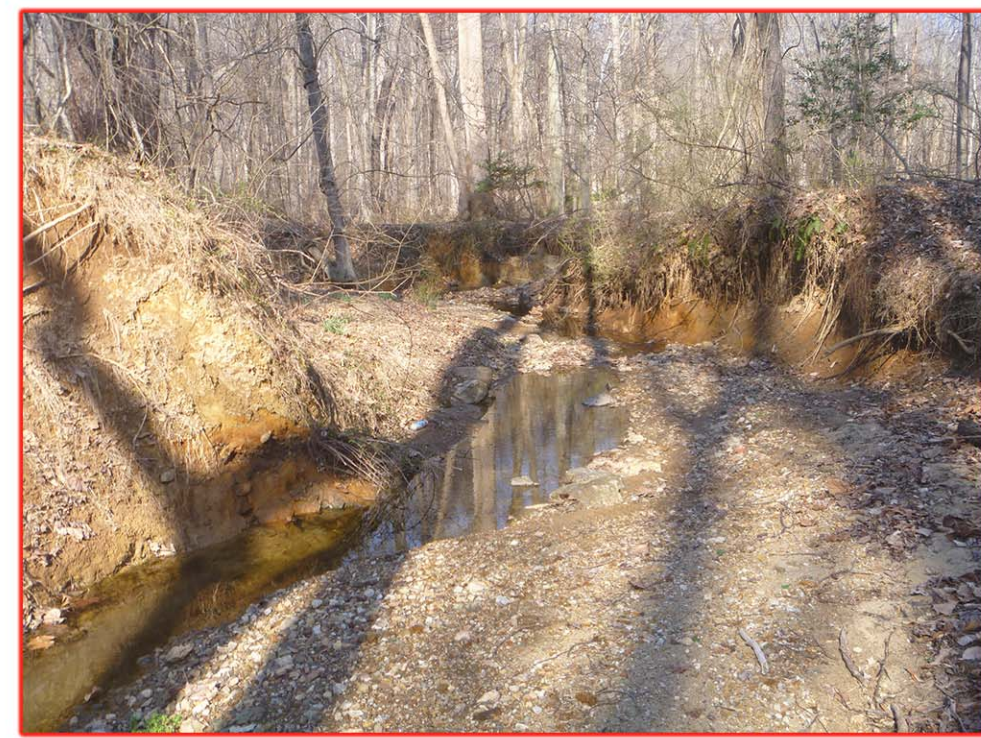
MATCHLINE SHEET 6



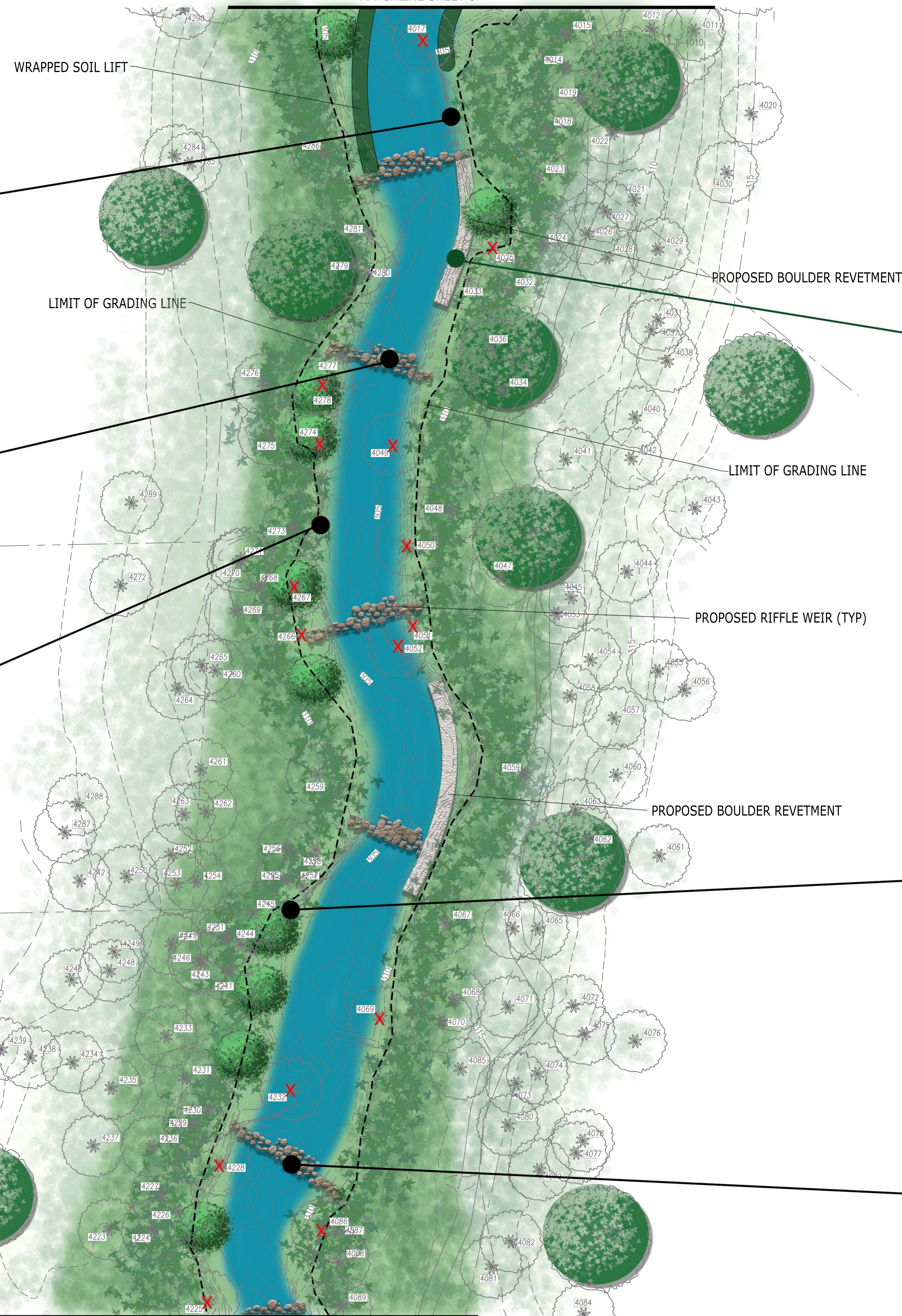
ERODING BANK



RIFFLE WEIR EXAMPLE 1



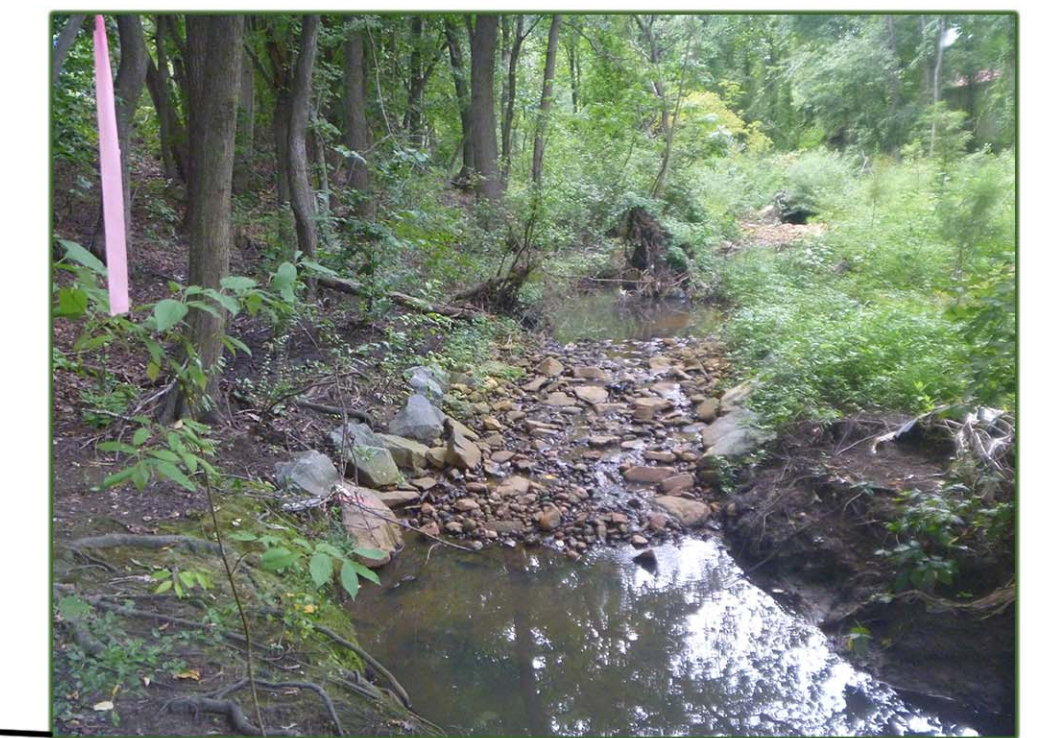
INCISED CHANNEL WITH ERODING BANKS



BOULDER REVETMENT EXAMPLE

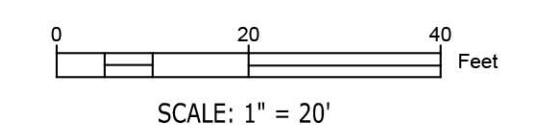


10-FT ERODING BANK



RIFFLE WEIR EXAMPLE 2

MATCHLINE SHEET 8



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND



12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876

2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

JUNE 2018

SCALE
1"=20'

DRAWING
NO. 7
OF 8



INCISED CHANNEL WITH ERODING BANKS



OVERWIDENED & INCISED CHANNEL



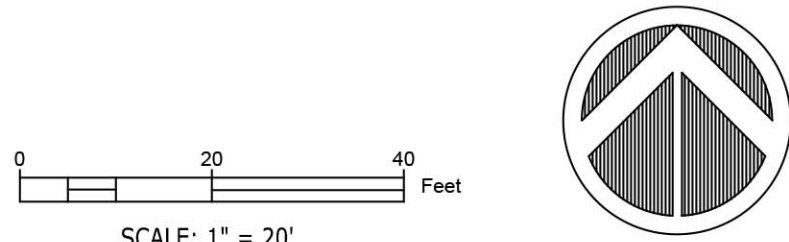
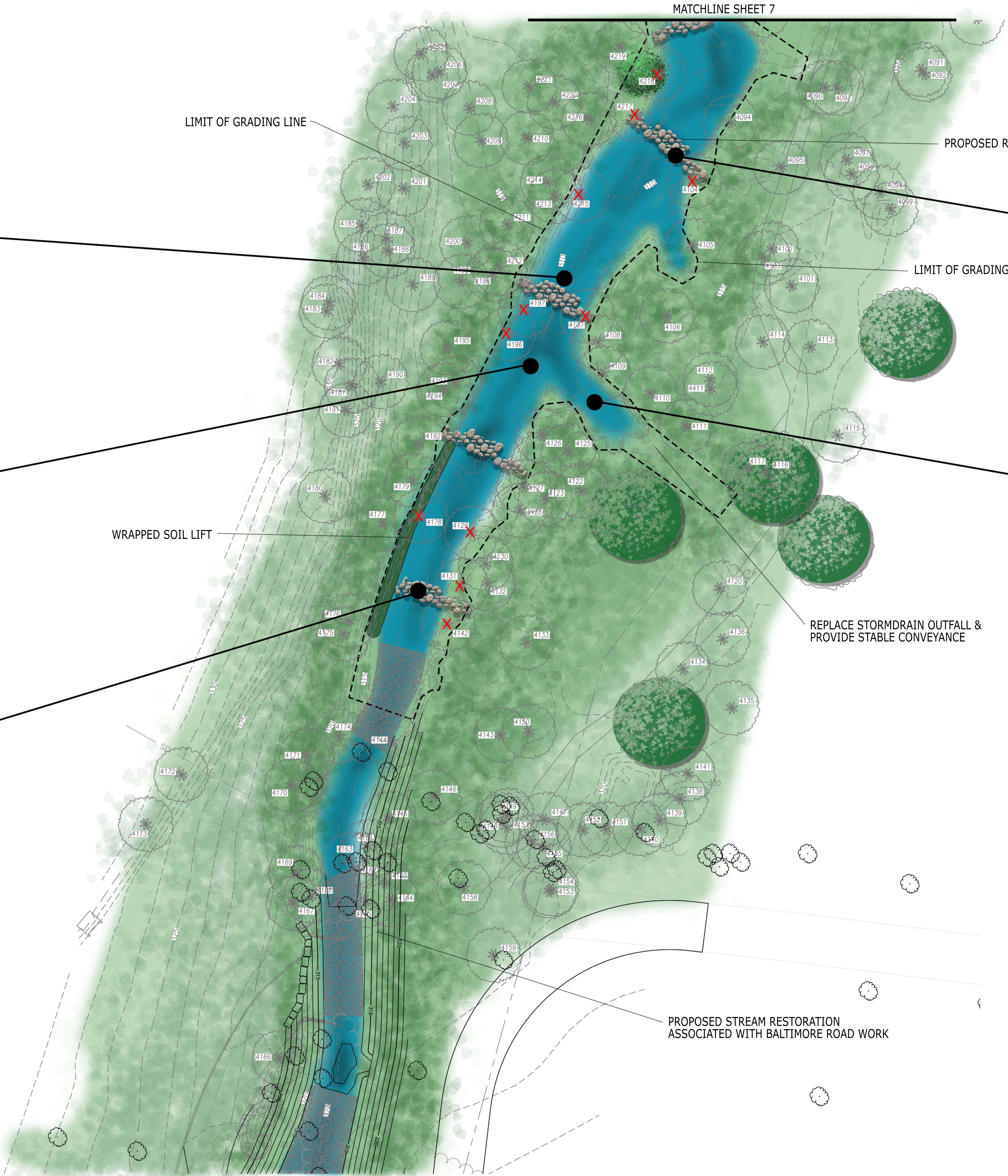
RIFFLE WEIR EXAMPLE 2



RIFFLE WEIR EXAMPLE 1



BROKEN STORMDRAIN OUTFALL



DEPARTMENT OF PUBLIC WORKS
CITY OF
ROCKVILLE
ROCKVILLE, MARYLAND



12420 MILESTONE CENTER DRIVE
SUITE 150
GERMANTOWN, MD 20876
2141 PRIEST BRIDGE DRIVE
SUITE 1
CROFTON, MD 21114

CROYDON CREEK / CALVIN PARK TRIBUTARY
STREAM RESTORATION

JUNE 2018	SCALE 1"=20'	DRAWING NO. 8
		OF 8