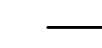
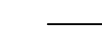

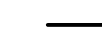
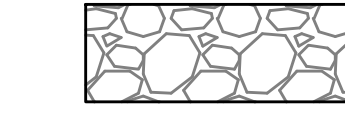
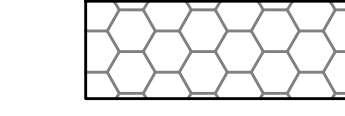
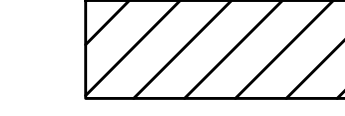
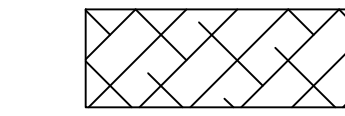

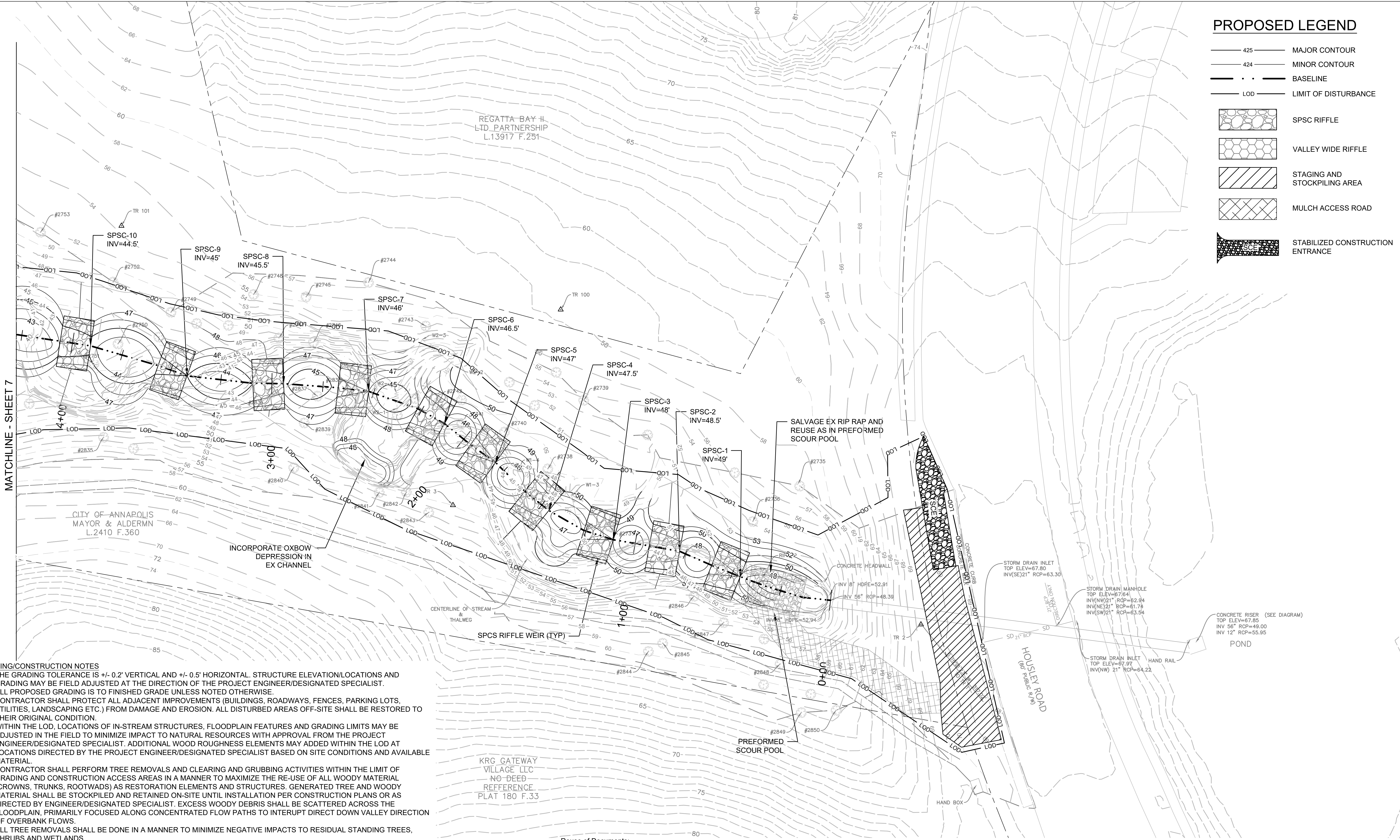
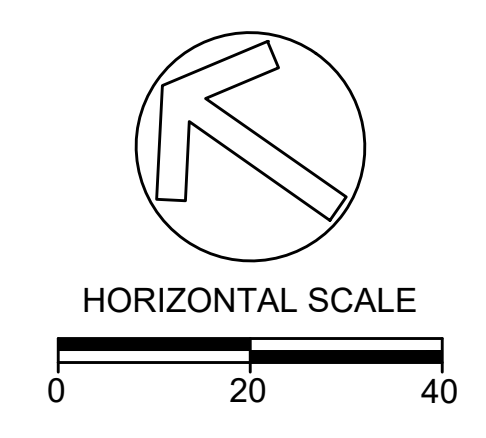


PROPOSED LEGEND

-  425 MAJOR CONTOUR
-  424 MINOR CONTOUR
-  . . . BASELINE
-  LOD LIMIT OF DISTURBANCE
-  SPSC RIFFLE
-  VALLEY WIDE RIFFLE
-  STAGING AND STOCKPILING AREA
-  MULCH ACCESS ROAD
-  STABILIZED CONSTRUCTION ENTRANCE



- GRADING/CONSTRUCTION NOTES**
1. THE GRADING TOLERANCE IS +/- 0.2' VERTICAL AND +/- 0.5' HORIZONTAL. STRUCTURE ELEVATION/LOCATIONS AND GRADING MAY BE FIELD ADJUSTED AT THE DIRECTION OF THE PROJECT ENGINEER/DESIGNATED SPECIALIST.
 2. ALL PROPOSED GRADING IS TO FINISHED GRADE UNLESS NOTED OTHERWISE.
 3. CONTRACTOR SHALL PROTECT ALL ADJACENT IMPROVEMENTS (BUILDINGS, ROADWAYS, FENCES, PARKING LOTS, UTILITIES, LANDSCAPING ETC.) FROM DAMAGE AND EROSION. ALL DISTURBED AREAS OFF-SITE SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
 4. WITHIN THE LOD, LOCATIONS OF IN-STREAM STRUCTURES, FLOODPLAIN FEATURES AND GRADING LIMITS MAY BE ADJUSTED IN THE FIELD TO MINIMIZE IMPACT TO NATURAL RESOURCES WITH APPROVAL FROM THE PROJECT ENGINEER/DESIGNATED SPECIALIST. ADDITIONAL WOOD ROUGHNESS ELEMENTS MAY BE ADDED WITHIN THE LOD AT LOCATIONS DIRECTED BY THE PROJECT ENGINEER/DESIGNATED SPECIALIST BASED ON SITE CONDITIONS AND AVAILABLE MATERIAL.
 5. CONTRACTOR SHALL PERFORM TREE REMOVALS AND CLEARING AND GRUBBING ACTIVITIES WITHIN THE LIMIT OF GRADING AND CONSTRUCTION ACCESS AREAS IN A MANNER TO MAXIMIZE THE RE-USE OF ALL WOODY MATERIAL (CROWNS, TRUNKS, ROOTWADS) AS RESTORATION ELEMENTS AND STRUCTURES. GENERATED TREE AND WOODY MATERIAL SHALL BE STOCKPILED AND RETAINED ON-SITE UNTIL INSTALLATION PER CONSTRUCTION PLANS OR AS DIRECTED BY ENGINEER/DESIGNATED SPECIALIST. EXCESS WOODY DEBRIS SHALL BE SCATTERED ACROSS THE FLOODPLAIN, PRIMARILY FOCUSED ALONG CONCENTRATED FLOW PATHS TO INTERRUPT DIRECT DOWN VALLEY DIRECTION OF OVERBANK FLOWS.
 6. ALL TREE REMOVALS SHALL BE DONE IN A MANNER TO MINIMIZE NEGATIVE IMPACTS TO RESIDUAL STANDING TREES, SHRUBS AND WETLANDS.
 7. THE GRADING PLAN DOES NOT SHOW ALL ELEMENTS OF EACH STRUCTURE. SEE CONSTRUCTION DETAILS AND NOTES FOR INSTALLATION AND DETAIL OF EACH STRUCTURE.
 8. SEE EROSION AND SEDIMENT CONTROL SHEETS FOR CONSTRUCTION ACCESS AND SEDIMENT CONTROL MEASURES.
 9. IF NEEDED, IMPORTED ROOTWADS AND WOOD MATERIAL SHALL BE AS FRESHLY HARVESTED TO MAXIMUM EXTENT POSSIBLE, MAXIMUM HARVEST OF FOUR MONTHS PRIOR, WITH MINIMAL DECAY, AND MEET THE SPECIFICATION PROVIDED IN THE CONSTRUCTION DETAILS.
 10. SEE STAGE 0 STREAM/COMPLEX DETAIL FOR THE IMPLEMENTATION OF GRADING, MICROTOPOGRAPHY AND INSTALLATION OF WOOD WITHIN THE AREA SHOWN.
 11. SEE DRAWING ##### FOR TREE PROTECTION AND REMOVAL NOTES AND DETAILS.
 12. CONTRACTOR SHALL EXERCISE CAUTION WHILE WORKING NEAR EXISTING SANITARY MANHOLES.



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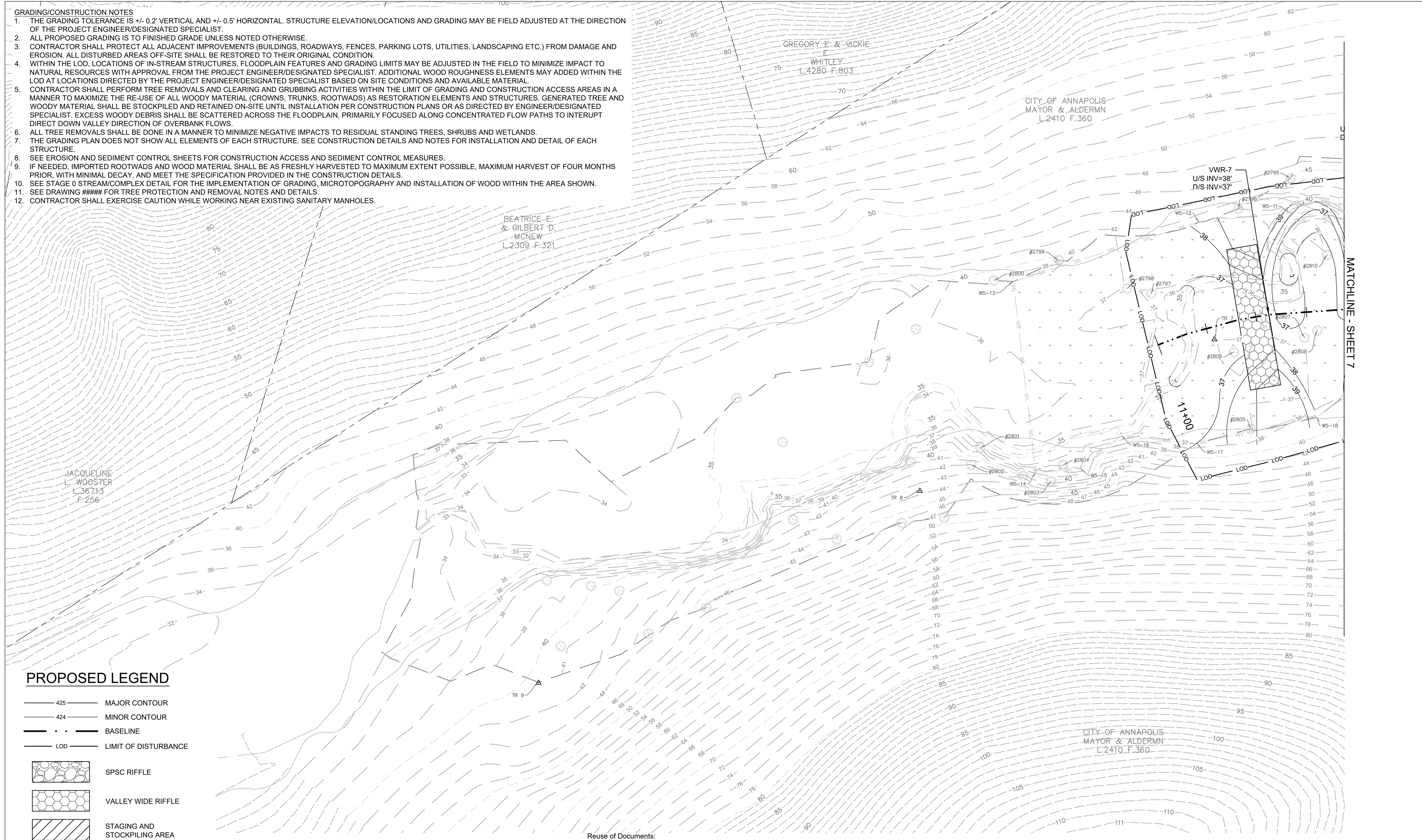


Arundel Rivers
FEDERATION
ARUNDELPROFESSORS.ORG

ANNE ARUNDEL COUNTY				CITY OF ANNAPOLIS			
REVISED	APPROVED	DATE	APPROVED	DATE	SCALE:	ANNAPOLIS WATERWORKS PARK	
DATE	BY		DATE		1"=20'	STREAM RESTORATION	
	CHIEF ENGINEER		PROJECT MANAGER		DRAWN BY	TB	
	APPROVED	DATE	APPROVED	DATE	CHECKED BY	DSJUC	
	ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT-OF-WAY		SHEET NO.	6 OF 15	
					PROJECT NO.	24015.01	
					PROPOSAL NO.		

GRADING/CONSTRUCTION NOTES

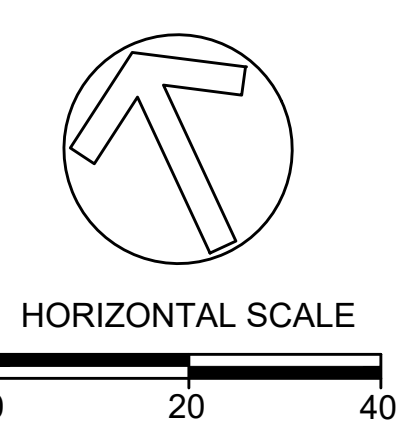
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5. CONTRACTOR SHALL PERFORM TREE REMOVALS AND CLEARING AND GRUBBING ACTIVITIES WITHIN THE LIMIT OF GRADING AND CONSTRUCTION ACCESS AREAS IN A MANNER TO MAXIMIZE THE RE-USE OF ALL WOODY MATERIAL (CROWNS, TRUNKS, ROOTWADS) AS RESTORATION ELEMENTS AND STRUCTURES. GENERATED TREE AND WOODY MATERIAL SHALL BE STOCKPILED AND RETAINED ON-SITE UNTIL INSTALLATION PER CONSTRUCTION PLANS OR AS DIRECTED BY ENGINEER/DESIGNATED SPECIALIST. EXCESS WOODY DEBRIS SHALL BE SCATTERED ACROSS THE FLOODPLAIN, PRIMARILY FOCUSED ALONG CONCENTRATED FLOW PATHS TO INTERRUPT DIRECT DOWN VALLEY DIRECTION OF OVERBANK FLOWS.
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MATCHLINE - SHEET 7

PROPOSED LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- BASELINE
- LIMIT OF DISTURBANCE
- SPSC RIFFLE
- VALLEY WIDE RIFFLE
- STAGING AND STOCKPILING AREA
- MULCH ACCESS ROAD
- STABILIZED CONSTRUCTION ENTRANCE



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ANNE ARUNDEL COUNTY CITY OF ANNAPOLIS			
REVISIONS	APPROVED	DATE	APPROVED
DATE	BY	DATE	DATE
	CHIEF ENGINEER		PROJECT MANAGER
	APPROVED	DATE	DATE
	ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT-OF-WAY
			SCALE: 1"=20'
			DRAWN BY: TB
			CHECKED BY: DSJUC
			SHEET NO. 8 OF 15
			PROJECT NO. 24015.01
			PROPOSAL NO.
			ANNAPOLIS WATERWORKS PARK STREAM RESTORATION
			PROPOSED CONDITIONS