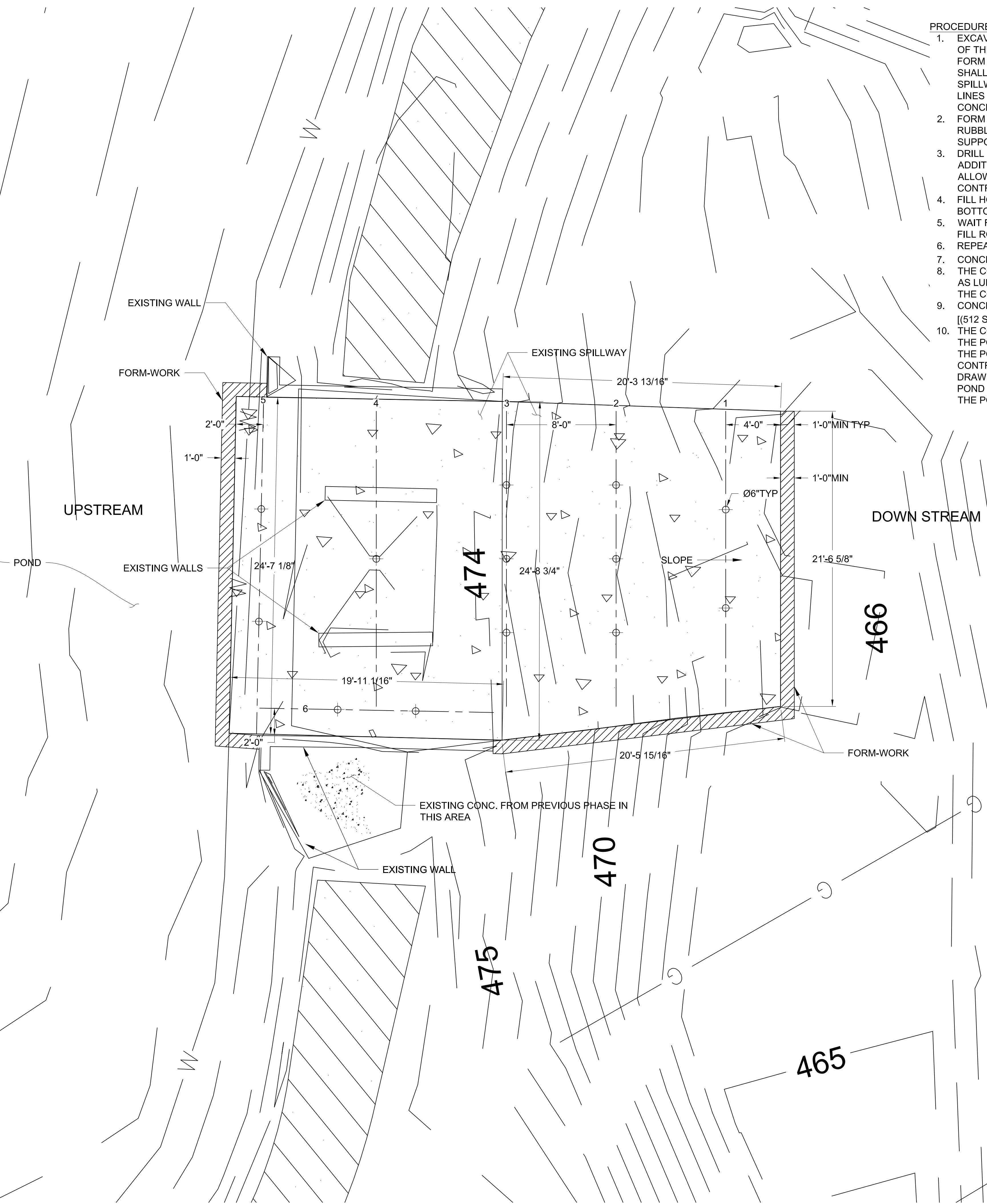


PROCEDURE:

- EXCAVATE UPSTREAM EDGE OF SPILLWAY A MINIMUM OF 1' BELOW THE BOTTOM OF THE EXISTING SPILLWAY SLAB PRIOR TO BUILDING FORMS. FORM UPSTREAM AREA TO TOP OF EXISTING SPILLWAY SLAB, BOTTOM OF FORM SHALL EXTEND A MINIMUM OF 1' BELOW THE BOTTOM OF THE EXISTING SPILLWAY OR GREATER TO REACH COMPETANT GROUND. DRILL HOLES ON LINES 5. PUMP CONCRETE IN LINE 5 TO TOP THE SPILLWAY SLAB. ENSURE CONCRETE COMPLETELY FILLS FORM ON UPSTREAM FACE.
- FORM DOWNSTREAM AREA. COPE ALL DOWNSTREAM FORMS TO ROCK AND RUBBLE SUPPORTING EXISTING SPILLWAY. DO NOT REMOVE ROCK OR RUBBLE SUPPORTING EXISTING SPILLWAY.
- DRILL THRU HOLES IN SPILLWAY EQUALLY SPACED ALONG EACH CENTERLINE. ADDITIONAL HOLES MAY NEED TO BE DRILLED TO EXPOSE VOIDS UNDER SLAB TO ALLOW PUMPING OF CONCRETE. HOLES SIZES MAY INCREASE AT THE CONTRACTOR'S DISCRETION, WITH THE ENGINEER'S APPROVAL.
- FILL HOLES ON ROW 1 FIRST WITH PUMPED CONCRETE TO 3" FROM BOTTOM OF EXISTING SPILLWAY SLAB.
- WAIT FOR CONCRETE TO PARTIALLY CURE BEFORE FILLING NEXT ROW OF HOLES. FILL ROW 2 HOLES UNTIL CONCRETE IS FLUSH WITH TOP OF HOLES ON ROW 1. REPEAT PROCESS UNTIL ALL HOLES ARE FILLED.
- CONCRETE SHALL BE 4,000 PSI WITH A MAXIMUM AGGREGATE SIZE OF $\frac{3}{8}$ ".
- THE CONTRACTOR'S BID SHALL SHOW LABOR AND MATERIALS FOR FORM WORK AS LUMP SUM AND A UNIT PRICE FOR CONCRETE. UPON COMPLETION OF WORK THE CONTRACT PRICE WILL BE ADJUSTED FOR THE ACTUAL CONCRETE PLACED. CONCRETE QUANTITY IS ESTIMATED TO BE:
 $[(512 \text{ SF} \times \frac{3}{8}) + (516 \text{ SF} \times \frac{3}{8})] 0.75/27 = 68 \text{ CYDS}$
- THE CONTRACTOR WILL BE RESPONSIBLE TO DRAW DOWN THE WATER LEVEL IN THE POND TO PERFORM WORK. THERE IS AN EXISTING $\varnothing 6"$ SIPHON INSTALLED IN THE POND. THIS SIPHON MAY BE MODIFIED BY THE CONTRACTOR OR THE CONTRACTOR MAY CHOOSE ANY MEANS, ACCEPTABLE TO THE COUNTY, TO DRAW DOWN THE WATER LEVEL OF THE POND. BREACHING THE DAM OF THE POND IS NOT AN ACCEPTABLE MEANS OF DRAWING DOWN THE WATER LEVEL OF THE POND.



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COUNTY OF UNION
 210 W. MAIN STREET
 UNION, SC 29379
 PHONE: 864-429-1600

BUFFALO MILL POND
SPILLWAY REPAIRS

NO	REVISED	DATE
1		
2		
3		
4		
5		
6		
7		

DRAWN BY: WAM
 SCALE: 1" = 40'
 DATE: 02/13/19
 SHEET NUMBER: S-1