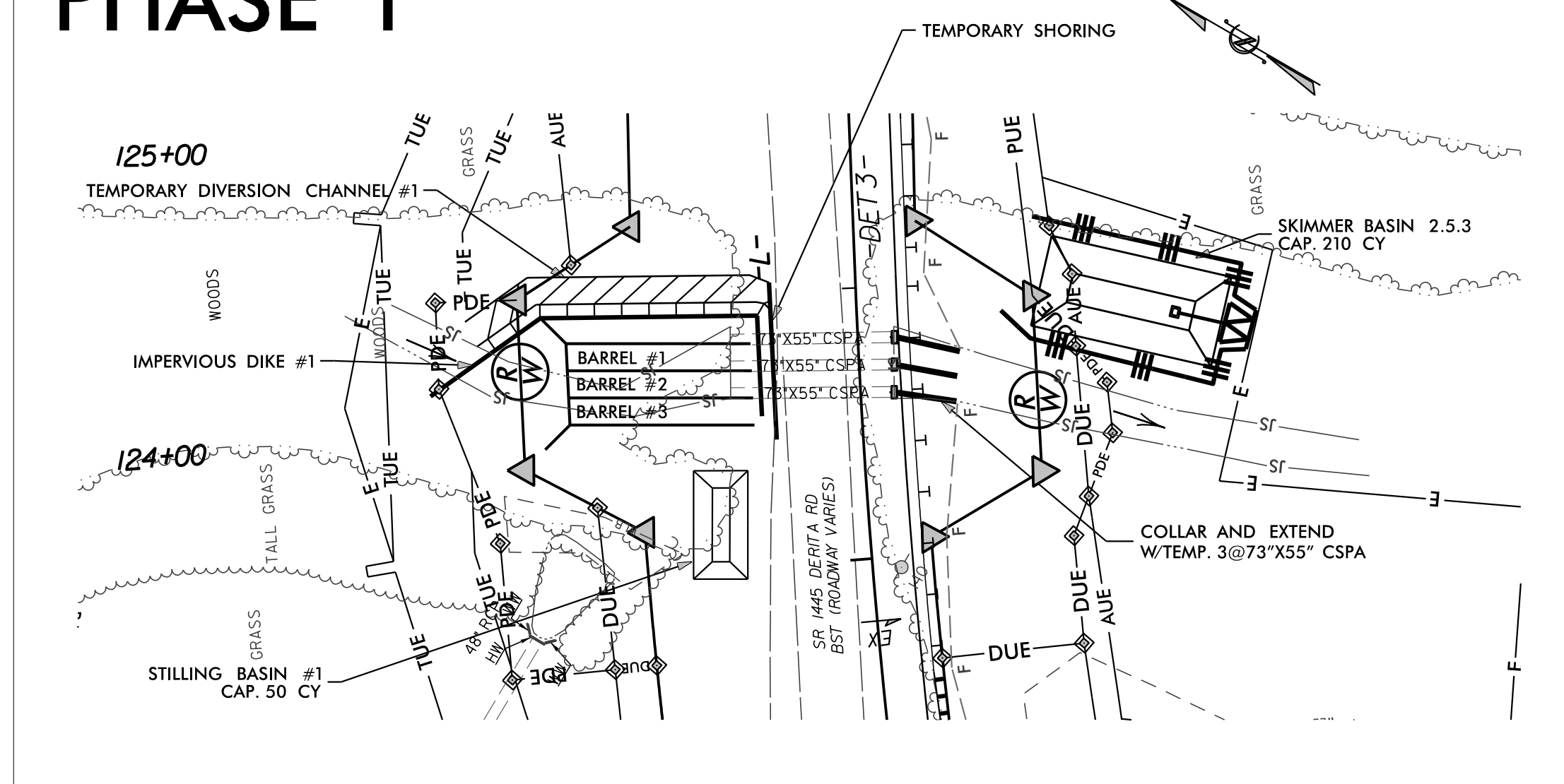


PROJECT REFERENCE NO.	SHEET NO.
U-4910A	EC-05A/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PHASE 1

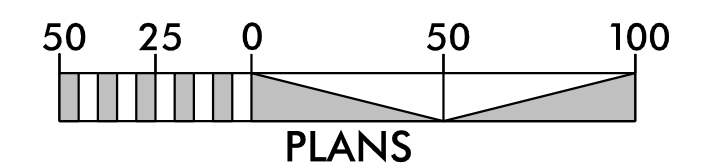


PHASE 1

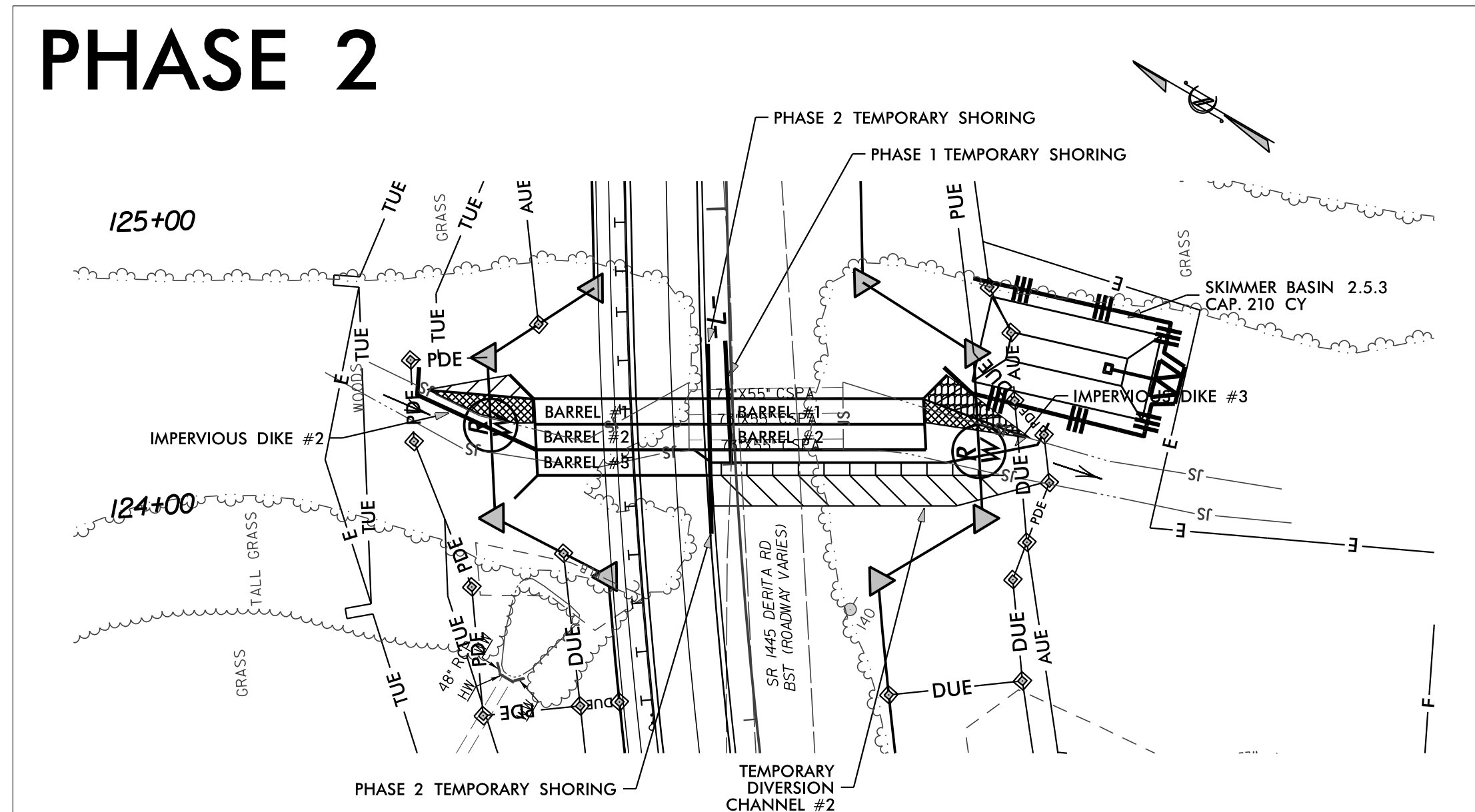
1. COLLAR AND EXTEND EXISTING 3@73"x55" CSPA'S, CONSTRUCT -DET3- AND SHIFT TRAFFIC.
2. CONSTRUCT STILLING BASIN #1 (MIN. CAPACITY=50 CY)
3. CONSTRUCT TEMPORARY SHORING (TO RETAIN EXISTING FILL SLOPE) AND REMOVE APPROX. 15 FEET OF EXISTING CULVERTS #1, #2 & #3. FLOW THRU 2 OF 3 EXISTING CULVERTS SHOULD BE MAINTAINED AT ALL TIMES.
4. CONSTRUCT IMPERVIOUS DIKE #1 AND TEMPORARY DIVERSION CHANNEL #1 (SEE DETAIL 1).
5. DEWATER CONSTRUCTION AREA.
6. CONSTRUCT APPROX. 68 FEET OF BARREL #1, #2 AND #3.
7. CONSTRUCT SKIMMER BASIN 2.5.3 TO BE USED AS STILLING BASIN. (MIN. CAPACITY=30 CY)
8. REMOVE IMPERVIOUS DIKE #1 AND TEMPORARY DIVERSION CHANNEL.
9. REMOVE STILLING BASIN #1

U-4910
CABARRUS COUNTY

CONSTRUCTION SEQUENCE
FOR 3@10'x8' RCBC
STA. 124+11 -L-
UT TO ROCKY RIVER



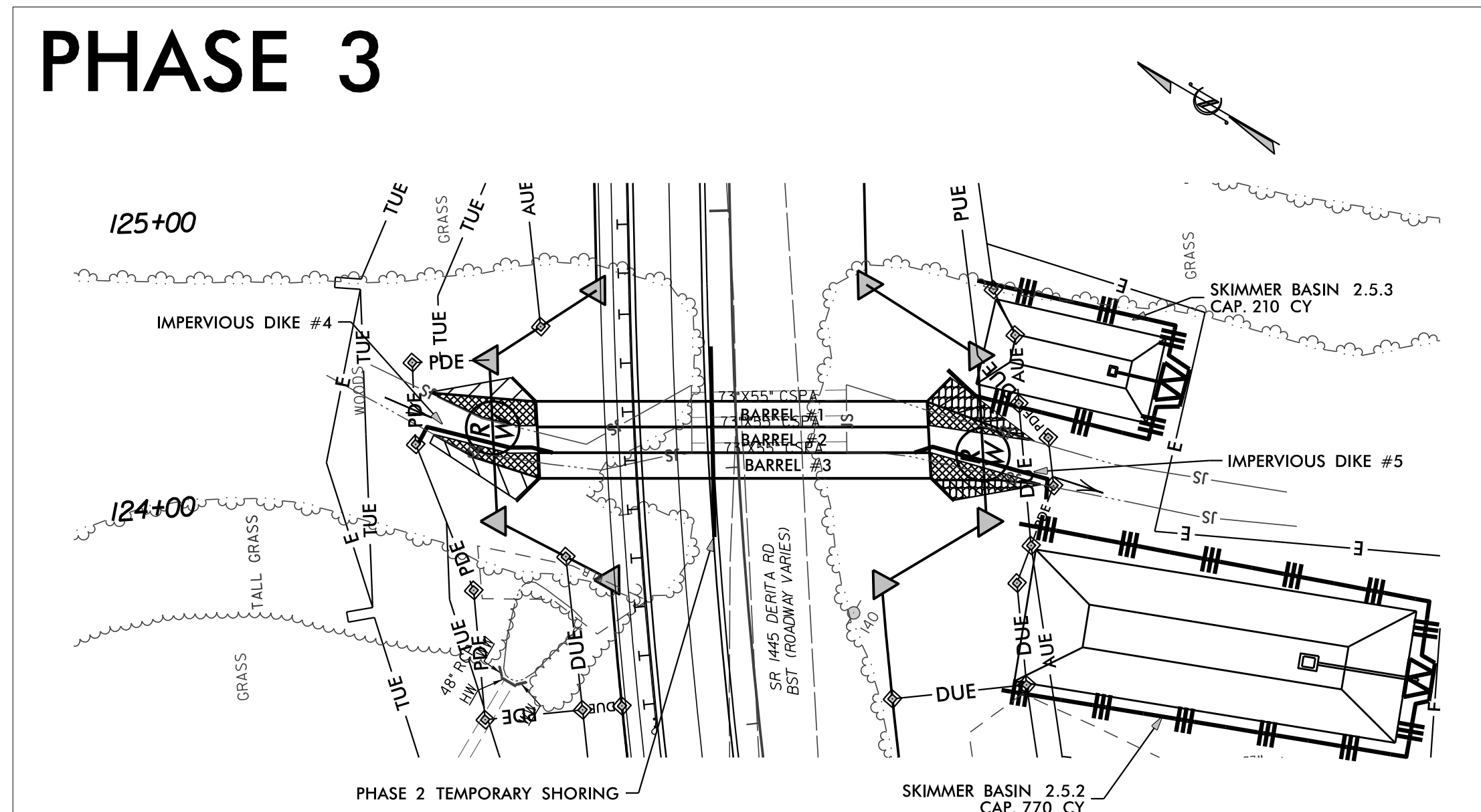
PHASE 2



PHASE 2

1. INSTALL PHASE 2 TEMPORARY SHORING AND CONSTRUCT ROADWAY OVER PHASE 1 BARRELS #1, #2 AND #3.
2. REMOVE A PORTION OF PHASE 1 TEMPORARY SHORING AS NECESSARY TO CONSTRUCT TEMPORARY DIVERSION CHANNEL #2.
3. CONSTRUCT IMPERVIOUS DIKE #2 AND DIVERT FLOW THRU BARREL #3 TO TEMPORARY DIVERSION CHANNEL #2.
4. CONSTRUCT IMPERVIOUS DIKE #3.
5. DEWATER CONSTRUCTION AREA.
6. REMOVE REMAINDER OF EXISTING CULVERTS #1, #2 & #3 AND REMAINDER OF PHASE 1 TEMPORARY SHORING.
7. CONSTRUCT REMAINDER OF BARREL #1 AND #2 w/WING WALL, FLOODPLAIN BENCH, SILLS, INLET AND OUTLET CHANNELS, AND OUTLET STREAM BANK STABILIZATION, AS SHOWN.
8. REMOVE IMPERVIOUS DIKE #3.
9. REMOVE IMPERVIOUS DIKE #2.

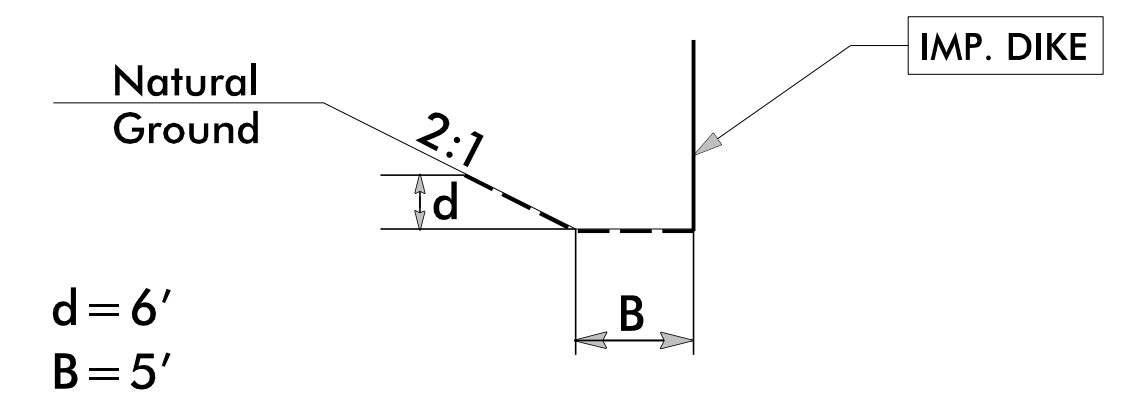
PHASE 3



PHASE 3

1. CONSTRUCT SKIMMER BASIN 2.5.2 TO BE USED AS STILLING BASIN (MIN. CAPACITY=30 CY)
2. CONSTRUCT IMPERVIOUS DIKE #4 AND #5, DIVERTING FLOW TO BARRELS #1 & #2.
3. DEWATER CONSTRUCTION AREA.
4. CONSTRUCT REMAINDER OF BARREL #3 w/WING WALLS, FLOODPLAIN BENCH, SILLS, INLET AND OUTLET CHANNELS, AND OUTLET STREAM BANK STABILIZATION, AS SHOWN.
5. REMOVE PHASE 2 TEMPORARY SHORING.
6. REMOVE IMPERVIOUS DIKE #5.
7. REMOVE IMPERVIOUS DIKE #4.
8. SKIMMER BASINS 2.5.2 AND 2.5.3 WILL BE RETAINED FOR THE LIFE OF THE EROSION CONTROL PROJECT AND NOT REMOVED AS PART OF CULVERT PHASING.
9. COMPLETE ROADWAY.

DETAIL 1 TEMPORARY DIVERSION W/IMPERVIOUS DIKE (Not to Scale)



d = 6'
B = 5'

Type of Liner = GEOTEXTILE (NCDOT Type 4)