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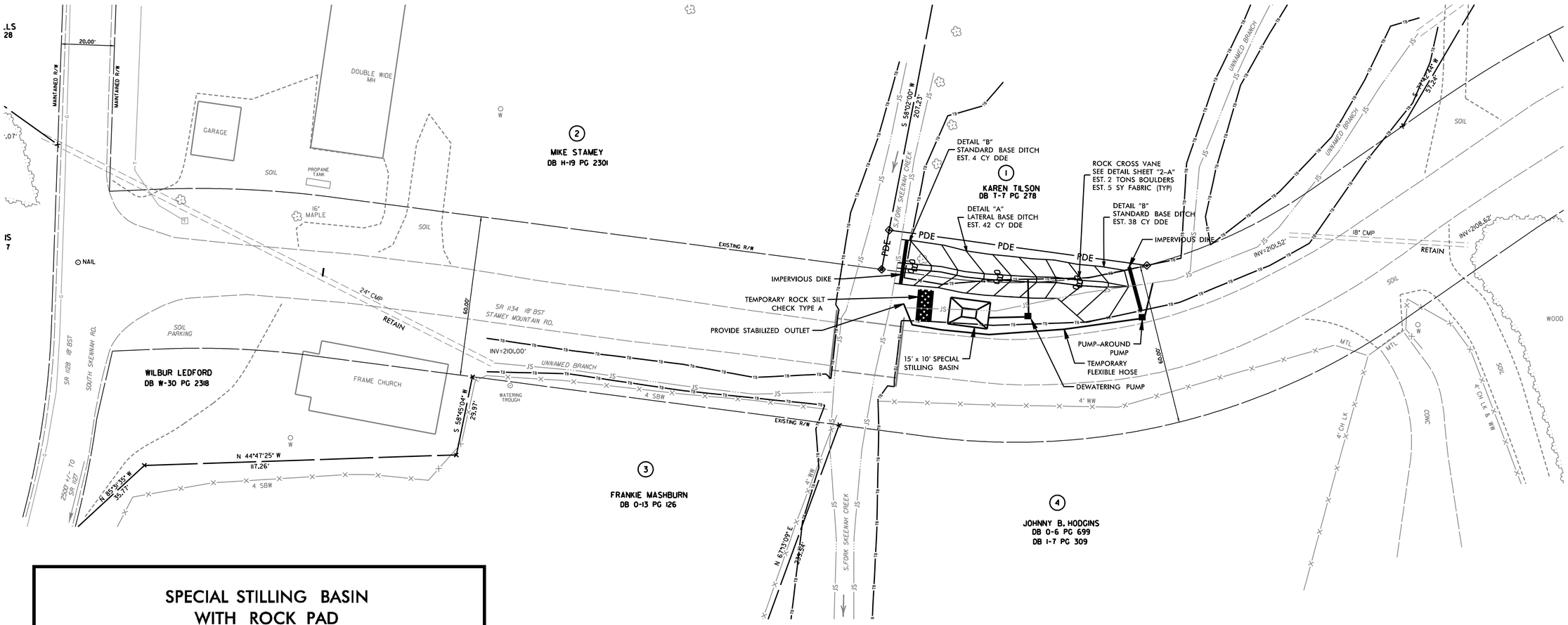
PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.J12	EC-2
R/W SHEET NO.	

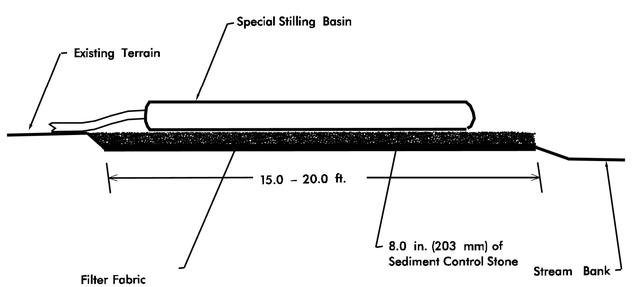
0' 20' 40'

EROSION CONTROL

DITCH DIVERSION PUMP AROUND DETAIL



SPECIAL STILLING BASIN WITH ROCK PAD



Not To Scale

Note: Provide Stabilized Outlet to Streambank

DITCH DIVERSION SEQUENCE

1. DITCH DIVERSION MUST BE COMPLETE PRIOR TO REPLACEMENT OF EXISTING BRIDGE.

2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.

3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.

4. INSTALL TYPE A SILT CHECK, FILL IN EXISTING STREAM AND INSTALL SPECIAL STILLING BASIN.

5. PLACE DOWNSTREAM IMPERVIOUS DIKE AND PUMPING APPARATUS TO DEWATER ENTRAPPED AREA.

6. GRADE PROPOSED BASE DITCH.

7. DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES, PUMPS AND TEMPORARY FLEXIBLE HOSE (DOWNSTREAM IMPERVIOUS DIKES FIRST).

8. ALL GRADING AND STABILIZATION MUST BE COMPLETED IN ONE DAY WITHIN THE PUMP AROUND AREAS BETWEEN THE IMPERVIOUS DIKES.

9. INSTALL CLEARING AND GRUBBING EROSION CONTROL MEASURES AND COMPLETE ROADWAY AND BRIDGE CONSTRUCTION ACCORDING TO APPROVED PLANS.

Notes:
1. All excavation shall be performed in only dry or isolated areas of the work zone.
2. Impervious dikes are to be used to isolate work from stream flow when necessary.
3. Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps, and hoses.
4. Pumps and hoses shall be of sufficient size to dewater the work area.
5. All graded areas shall be stabilized within 24 hours.
6. The contractor shall not pump sediment–laden water directly into the stream. For dewatering of culvert sites, the contractor shall filter sediment–laden water through special stilling basin(s).
7. Special stilling basins must be installed behind erosion control measures.

wsp
1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203
NC LIC NO. F-0165

REVISIONS

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