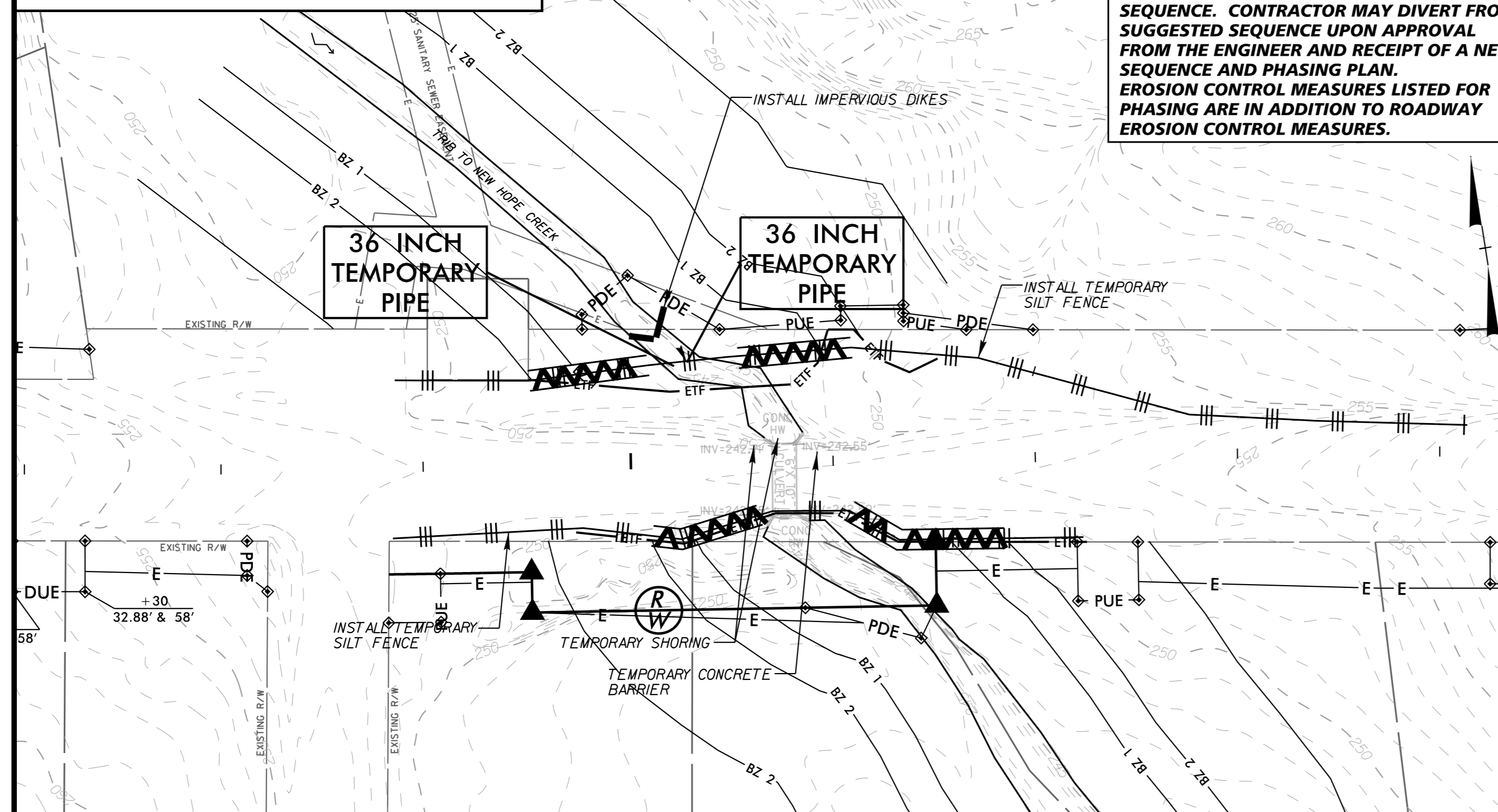
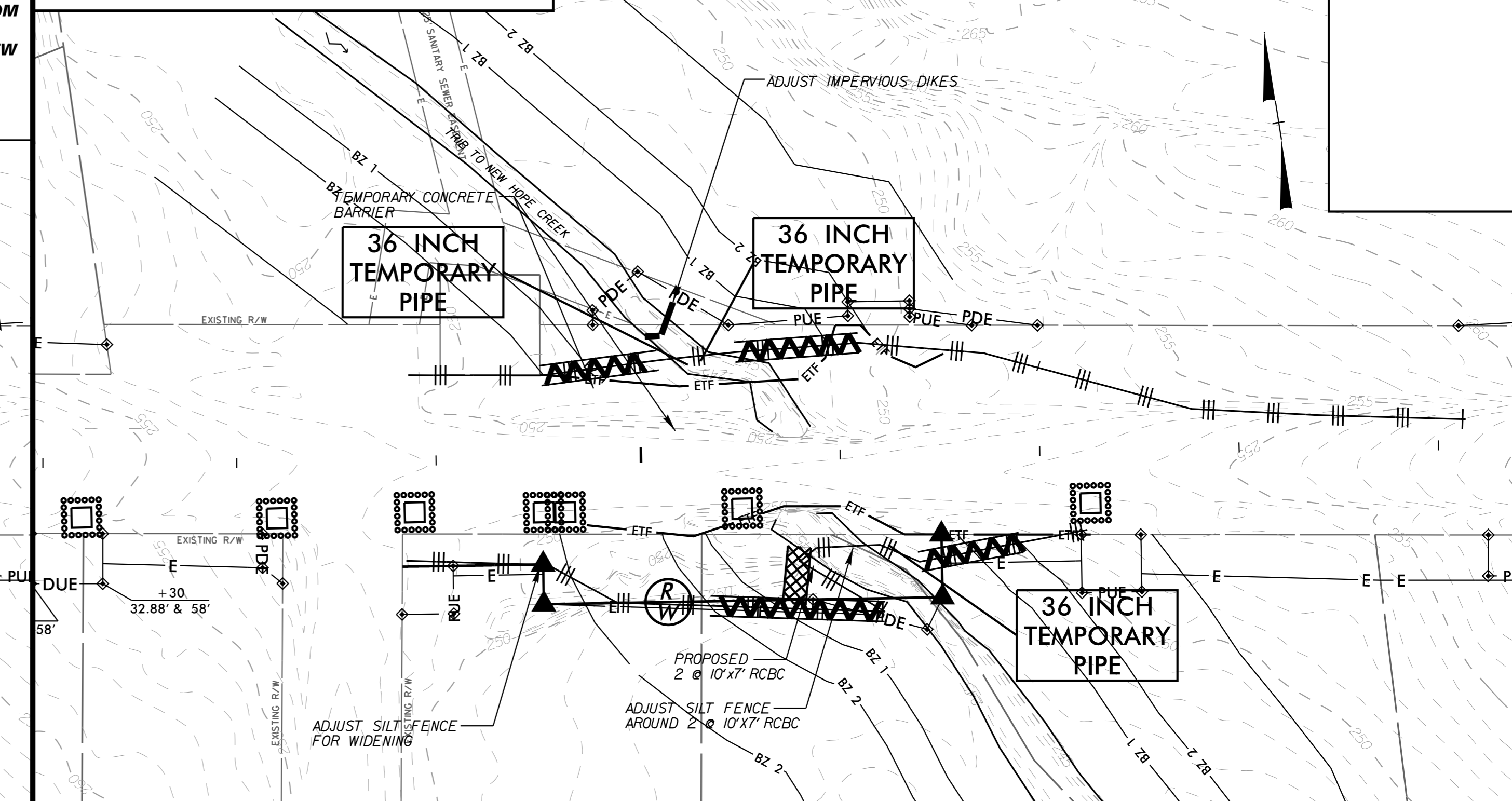


### CULVERT CONSTRUCTION - PHASE 1



**NOTE:**  
CULVERT CONSTRUCTION PHASING LISTED BELOW SHALL BE USED AS A SUGGESTED SEQUENCE. CONTRACTOR MAY DIVERT FROM SUGGESTED SEQUENCE UPON APPROVAL FROM THE ENGINEER AND RECEIPT OF A NEW SEQUENCE AND PHASING PLAN. EROSION CONTROL MEASURES LISTED FOR PHASING ARE IN ADDITION TO ROADWAY EROSION CONTROL MEASURES.

### CULVERT CONSTRUCTION - PHASE 2



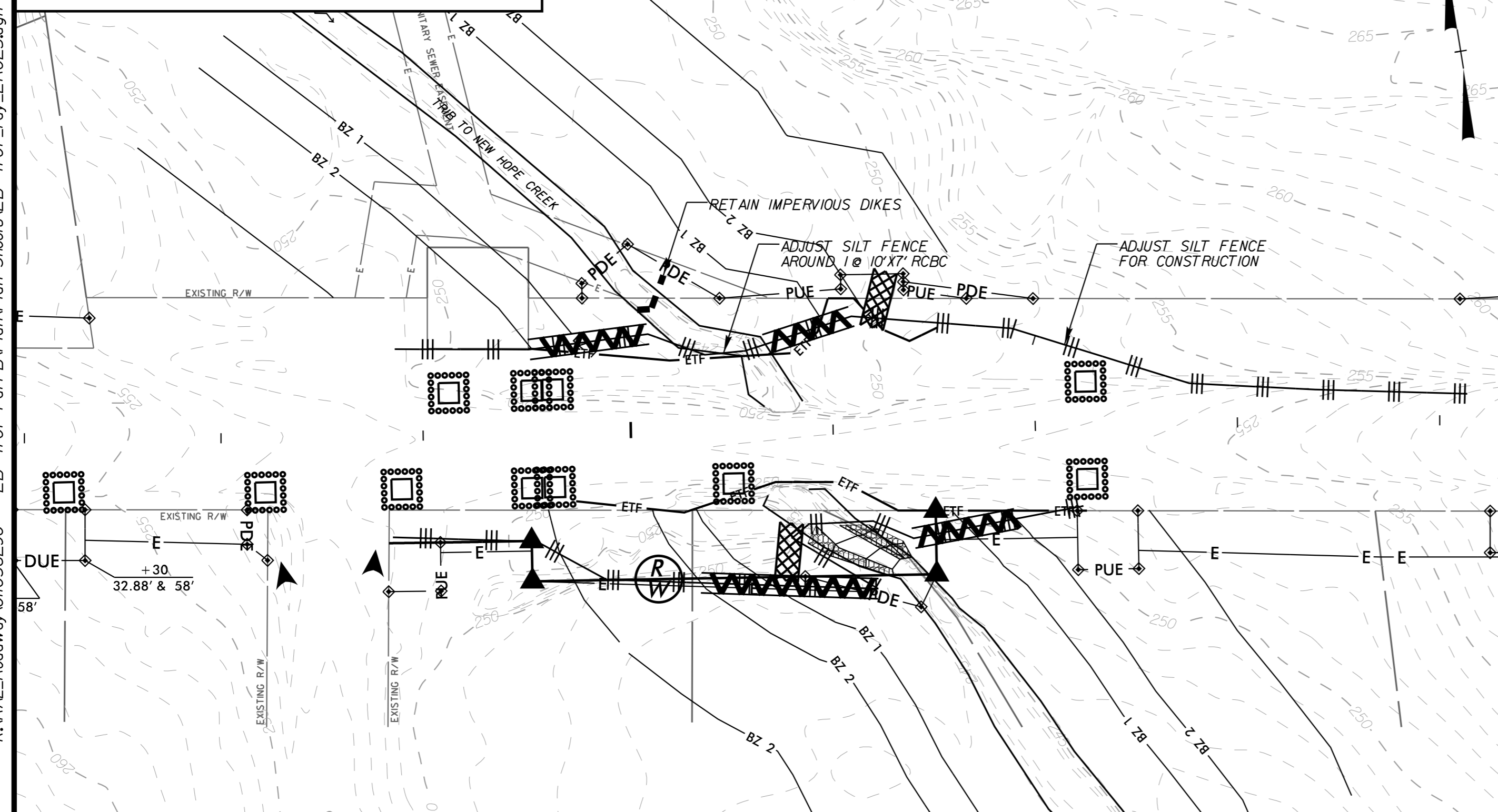
#### CULVERT PHASING - PHASE 1

1. INSTALL PORTABLE CONCRETE BARRIER (PCB) ALONG -L-.
2. INSTALL EAST TEMPORARY PIPE FROM EXISTING CHANNEL TO EXISTING CULVERT.
3. INSTALL TEMPORARY IMPERVIOUS DIKES AND DIVERT WATER THROUGH EAST TEMPORARY PIPE INTO EXISTING CULVERT.
4. REMOVE EXISTING WING WALLS ON NORTH SIDE OF EXISTING CULVERT.
5. INSTALL TEMPORARY SHORING ALONG -L- BEHIND PCB.
6. INSTALL WEST TEMPORARY PIPE FROM EXISTING CHANNEL AND SEAL END AT TEMPORARY SHORING.
7. CONSTRUCT TEMPORARY DETOUR ALIGNMENT.

#### CULVERT PHASING - PHASE 2

1. INSTALL PCB ON DETOUR ALIGNMENT AND PLACE TRAFFIC ON DETOUR.
2. INSTALL TEMPORARY PIPE ADJACENT TO PROPOSED CULVERT LOCATION.
3. EXTEND EAST TEMPORARY PIPE (INSTALLED IN PHASE 1) TO NEW TEMPORARY PIPE AND DIVERT WATER INTO NEW PIPE.
4. REMOVE THE EXISTING CULVERT.
5. CONSTRUCT BOTH BARRELS OF THE NEW CULVERT (SOUTH PORTION ONLY).
6. EXTEND WEST TEMPORARY PIPE PLACED THROUGH TEMPORARY SHORING (INSTALLED DURING PHASE 1) THROUGH THE WEST BARREL OF THE NEW CULVERT.
7. ADJUST TEMPORARY IMPERVIOUS DIKES AND DIVERT WATER TO THE WEST TEMPORARY PIPE.
8. REMOVE THE SOUTH PORTION OF THE EAST TEMPORARY PIPE LOCATED OUTSIDE THE NEW CULVERT.
9. CONSTRUCT NEW WING WALLS ON SOUTH END OF THE NEW CULVERT.

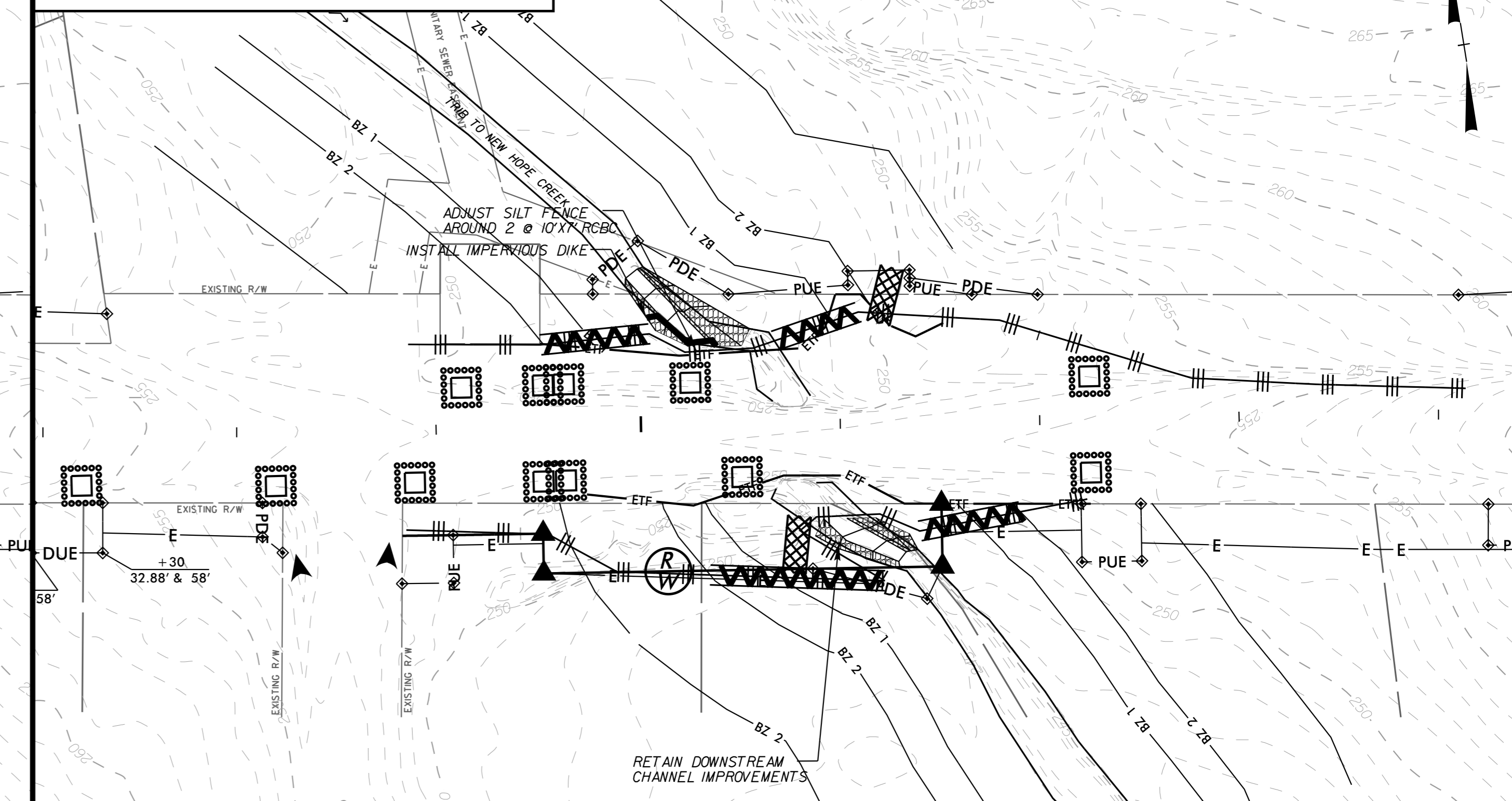
### CULVERT CONSTRUCTION - PHASE 3A



#### CULVERT PHASING - PHASE 3

- PART A:**
1. CONSTRUCT DOWNSTREAM CHANNEL IMPROVEMENTS AND INSTALL RIP RAP ALONG BANKS.
  2. INSTALL PCB ALONG -L- AND PLACE TRAFFIC ON NEW WIDENING SECTION.
  3. REMOVE DETOUR PAVEMENT.
  4. REMOVE REMAINDER OF EAST TEMPORARY PIPE.
  5. CONSTRUCT FINAL PORTION OF THE EAST BARREL OF THE NEW CULVERT INCLUDING WING WALL.

### CULVERT CONSTRUCTION - PHASE 3B



- PART B:**
6. ADJUST TEMPORARY IMPERVIOUS DIKES AND DIVERT WATER INTO EAST BARREL OF NEW CULVERT.
  7. REMOVE WEST TEMPORARY PIPE AND CONSTRUCT REMAINING PORTION OF THE WEST BARREL OF THE NEW CULVERT INCLUDING WING WALL.
  8. REMOVE TEMPORARY IMPERVIOUS DIKES.
  9. CONSTRUCT UPSTREAM CHANNEL IMPROVEMENTS.

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