

BILL OF MATERIAL

| BAR               | NO. | SIZE | TYPE | LENGTH  | WEIGHT    |
|-------------------|-----|------|------|---------|-----------|
| B1                | 1   | #5   | STR  | 13'-6"  | 14        |
| B2                | 1   | #5   | STR  | 13'-10" | 14        |
| B3                | 1   | #5   | STR  | 7'-1"   | 7         |
| D1                | 27  | #6   | STR  | 3'-10"  | 155       |
| D2                | 2   | #6   | STR  | 2'-1"   | 6         |
| REINFORCING STEEL |     |      |      |         | = 196 LBS |

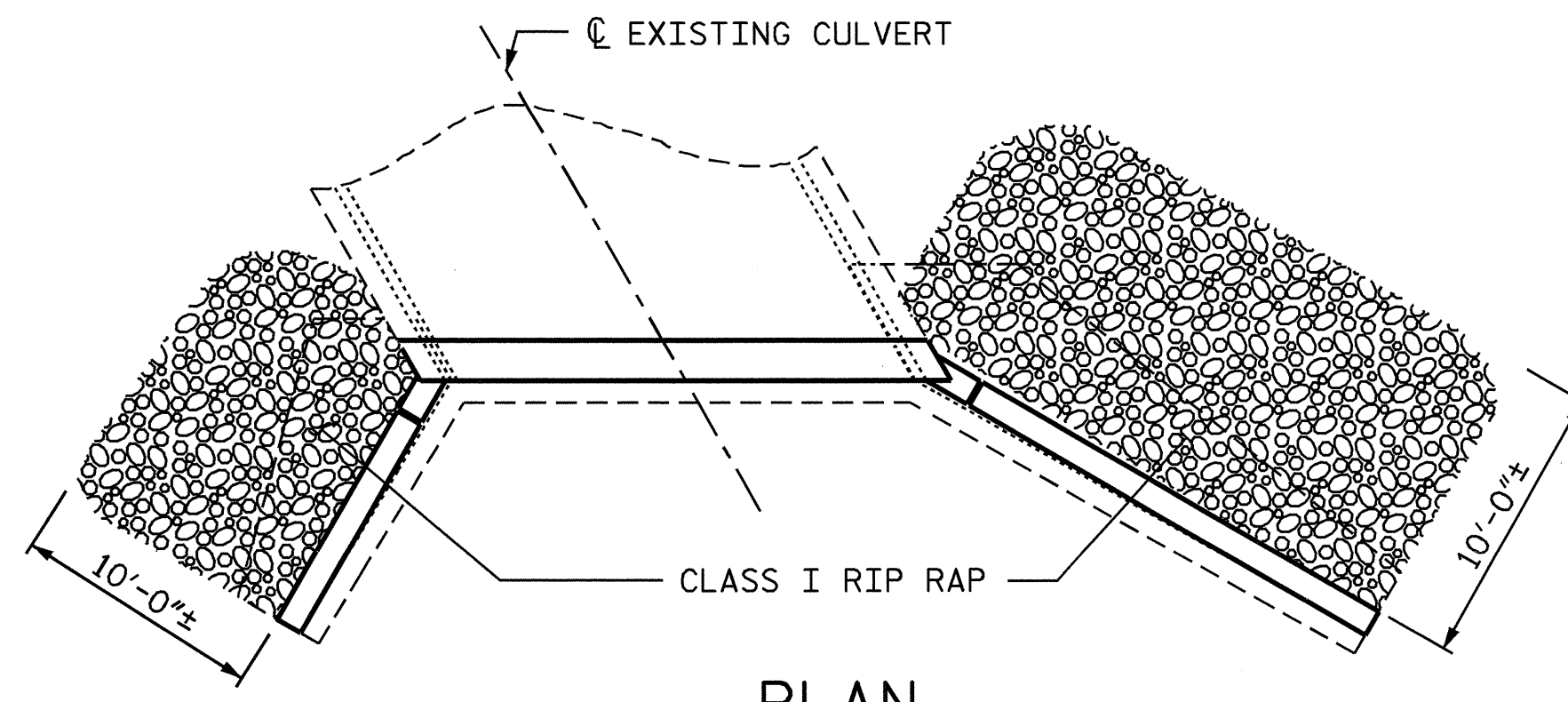
| CLASS A CONCRETE     |               |
|----------------------|---------------|
| 1 HEADWALL EXTENSION | 1.9 CY        |
| 2 WING EXTENSIONS    | 1.6 CY        |
| <b>TOTAL</b>         | <b>3.5 CY</b> |

|                       |           |
|-----------------------|-----------|
| PLAIN CLASS I RIP RAP | 10.0 TONS |
|-----------------------|-----------|

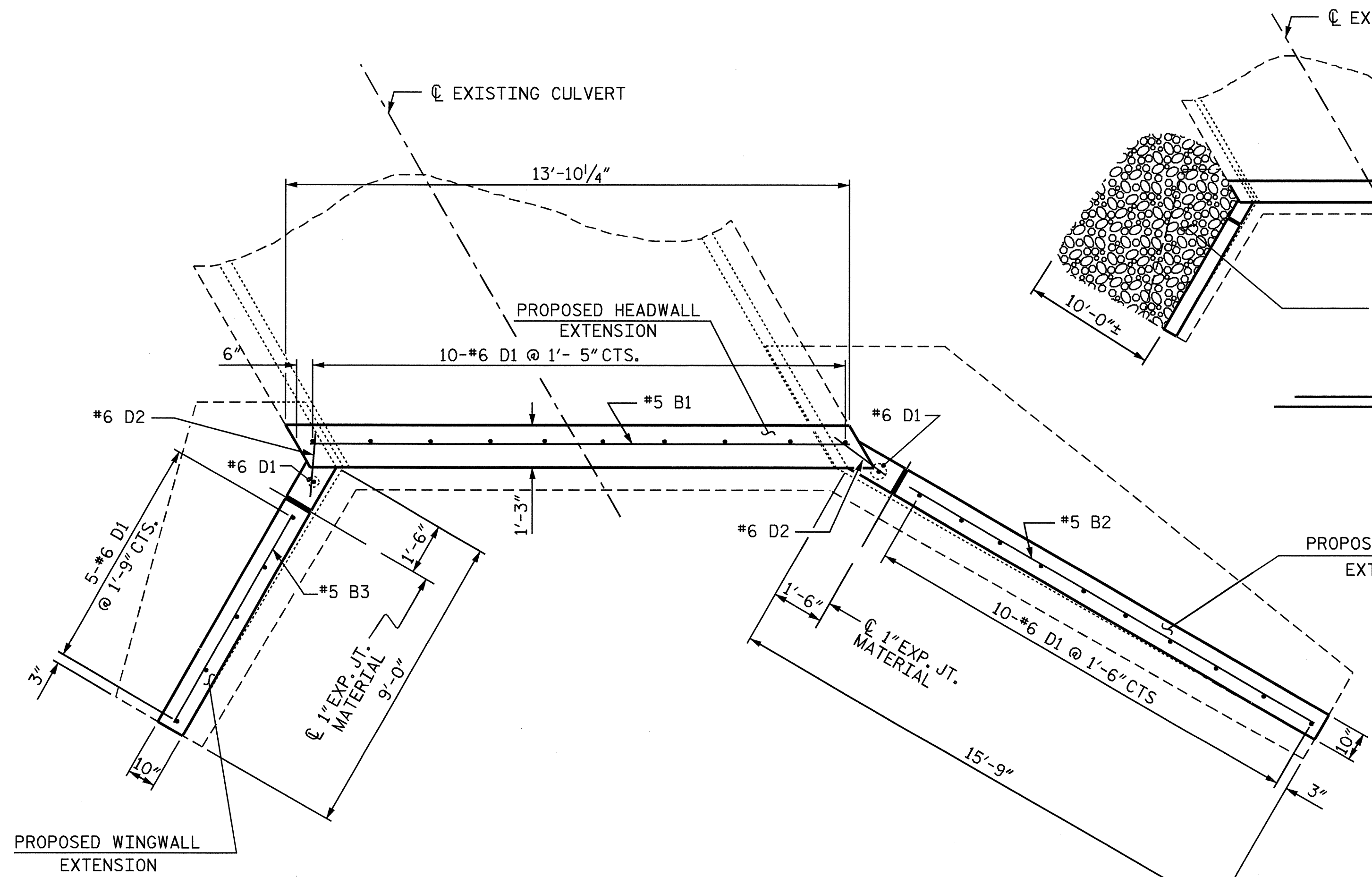
|                            |         |
|----------------------------|---------|
| FILTER FABRIC FOR DRAINAGE | 14.8 SY |
|----------------------------|---------|

NOTES

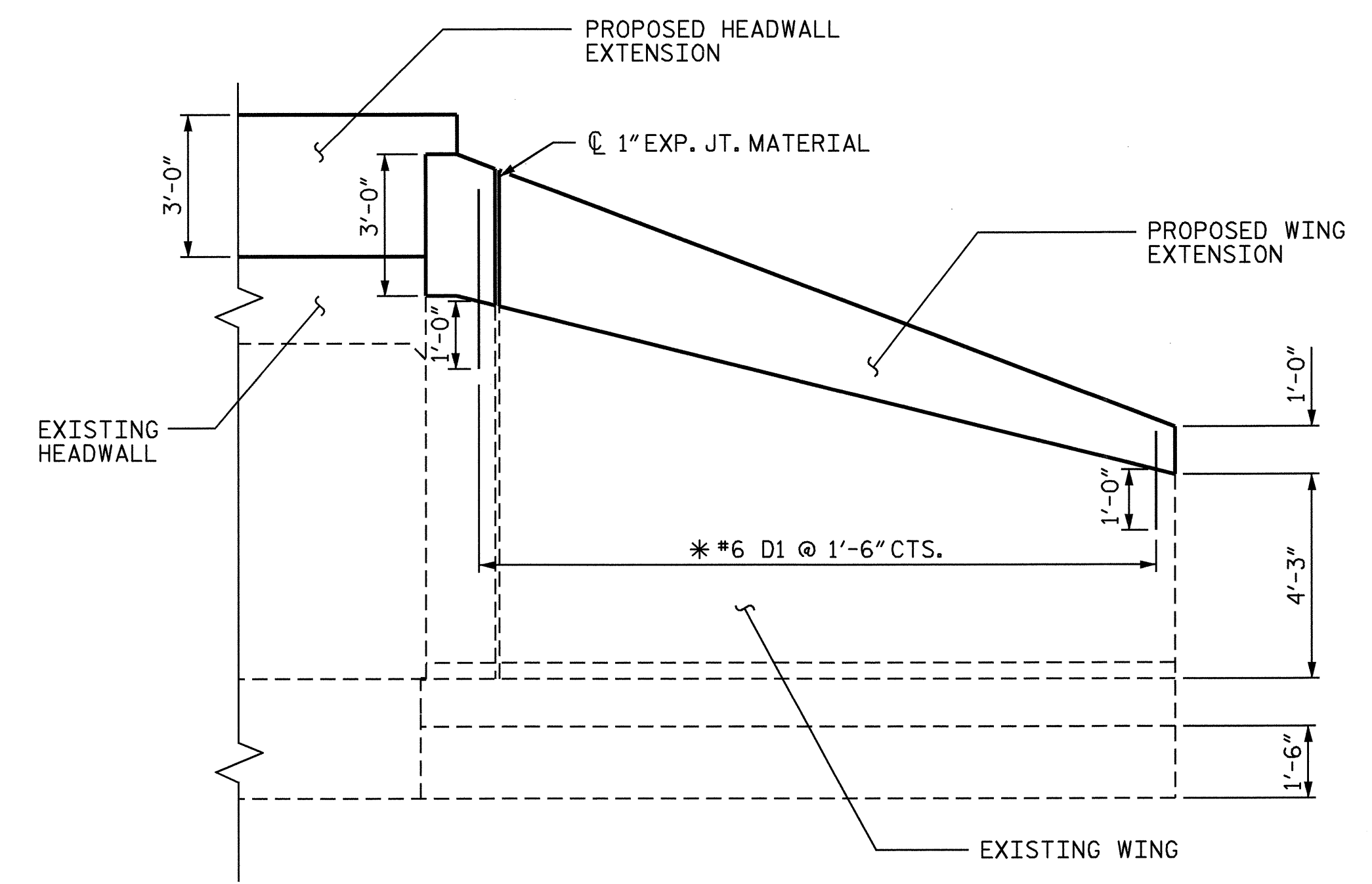
- \*#6 D1 SHALL BE FIELD CUT TO MATCH SLOPE OF WING EXTENSION.
- \*#6 D1 SHALL BE DRILLED AND GROUTED INTO THE EXISTING CULVERT AS SHOWN. SEE NOTE ON SHEET 'SN'.
- SLOPE BEHIND WINGS SHALL BE STABILIZED WITH CLASS I RIP RAP AND FILTER FABRIC.
- FOR CONSTRUCTION SEQUENCE, SEE EROSION CONTROL PLANS.



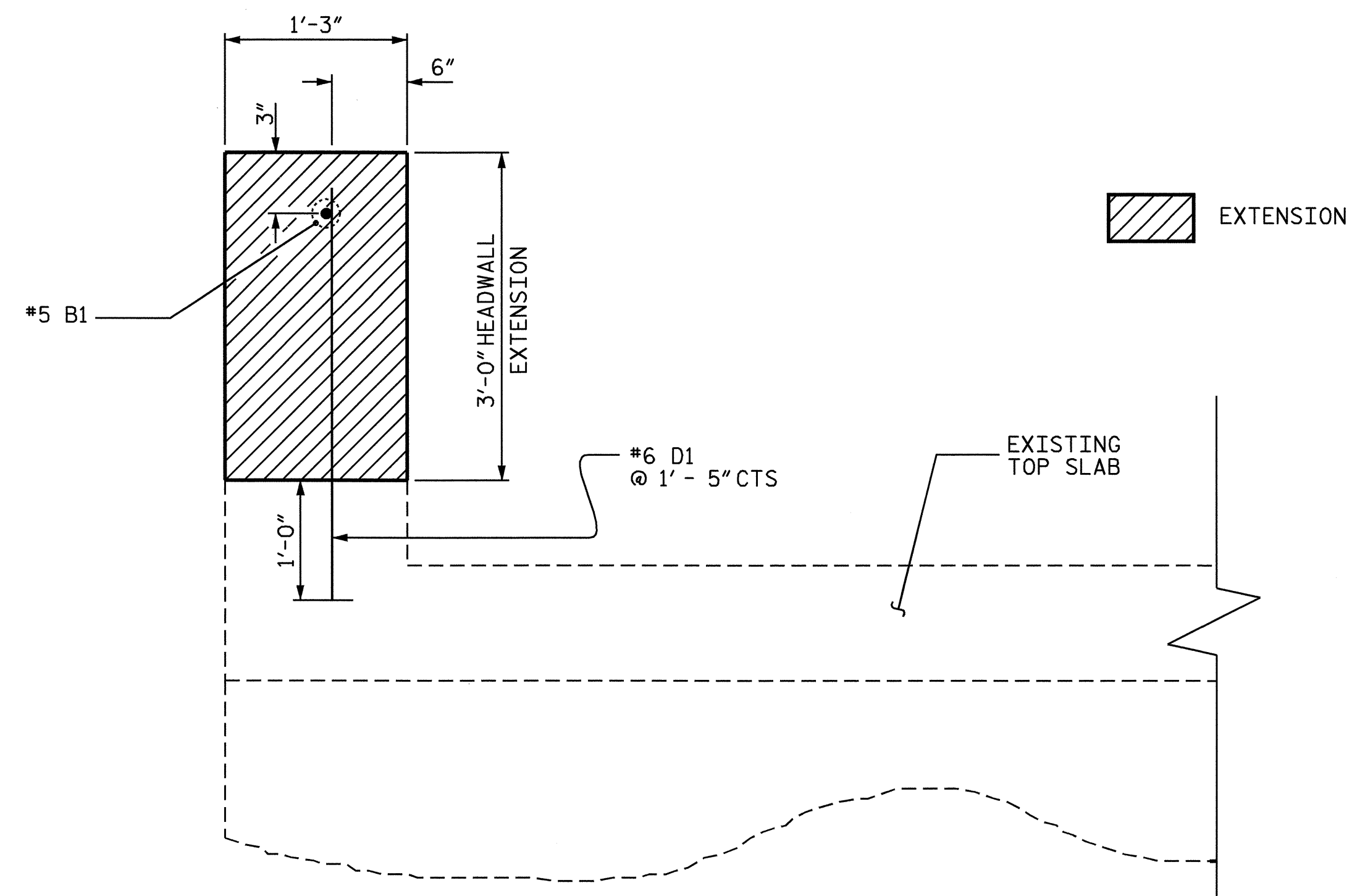
PLAN  
(RIP RAP DETAIL)



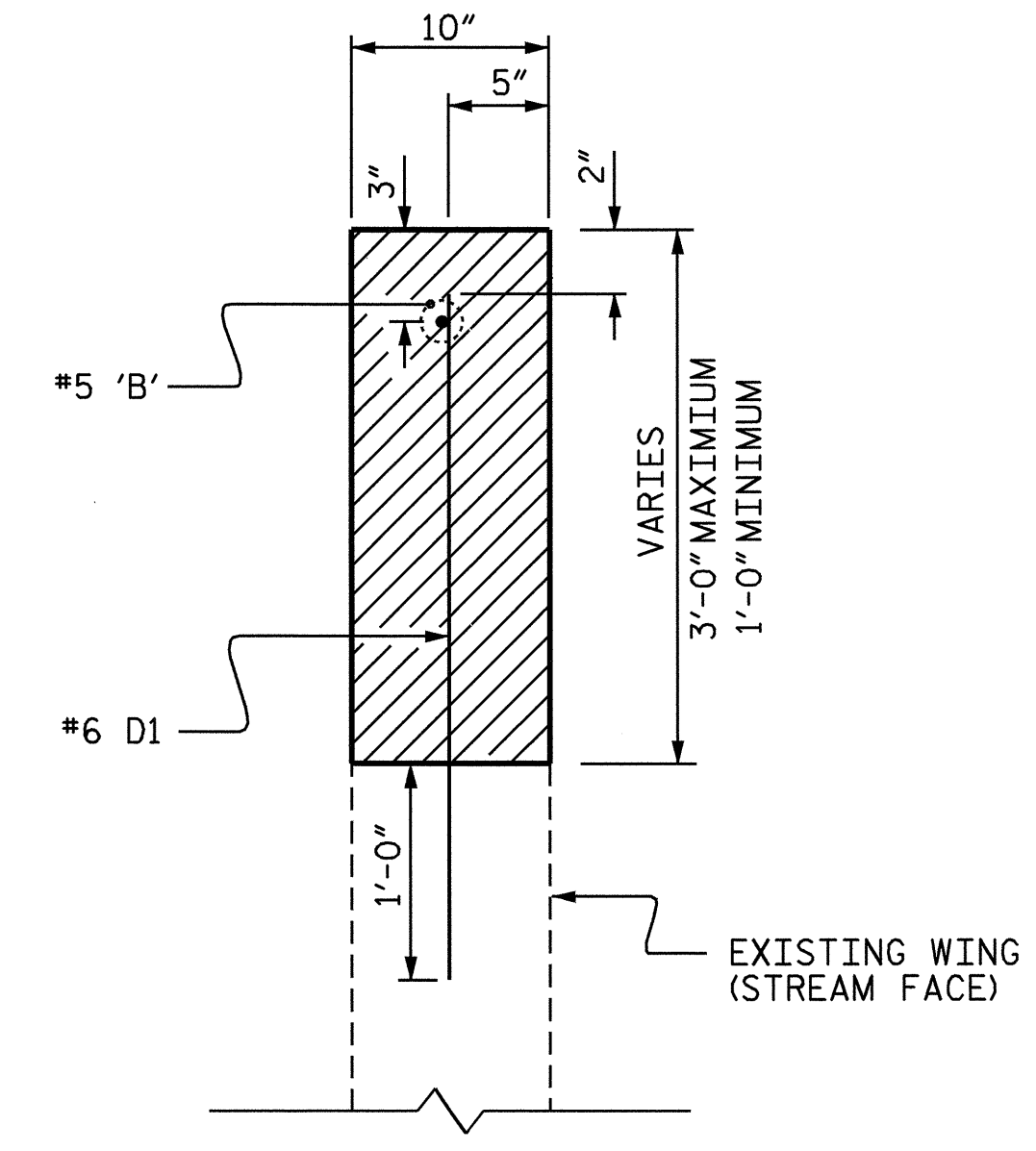
PLAN (HEADWALL & WING EXTENSION)  
@ INLET END



WING ELEVATION  
(TYPICAL BOTH WINGS)



SECTION (HEADWALL EXTENSION)



SECTION (WING EXTENSION)

PROJECT NO. R-2911D  
ROWAN COUNTY  
 STATION: 254+51.60 -L-

SHEET 5 OF 5  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 DOUBLE 5 FT. X 7 FT.  
 RCBC  
 HEADWALL & WING  
 EXTENSION  
 (INLET END)



| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | C - 5        |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 13           |

DRAWN BY : A. CHAN DATE : 2/16/04  
 CHECKED BY : S.H. SOCKWELL DATE : 7/13/04