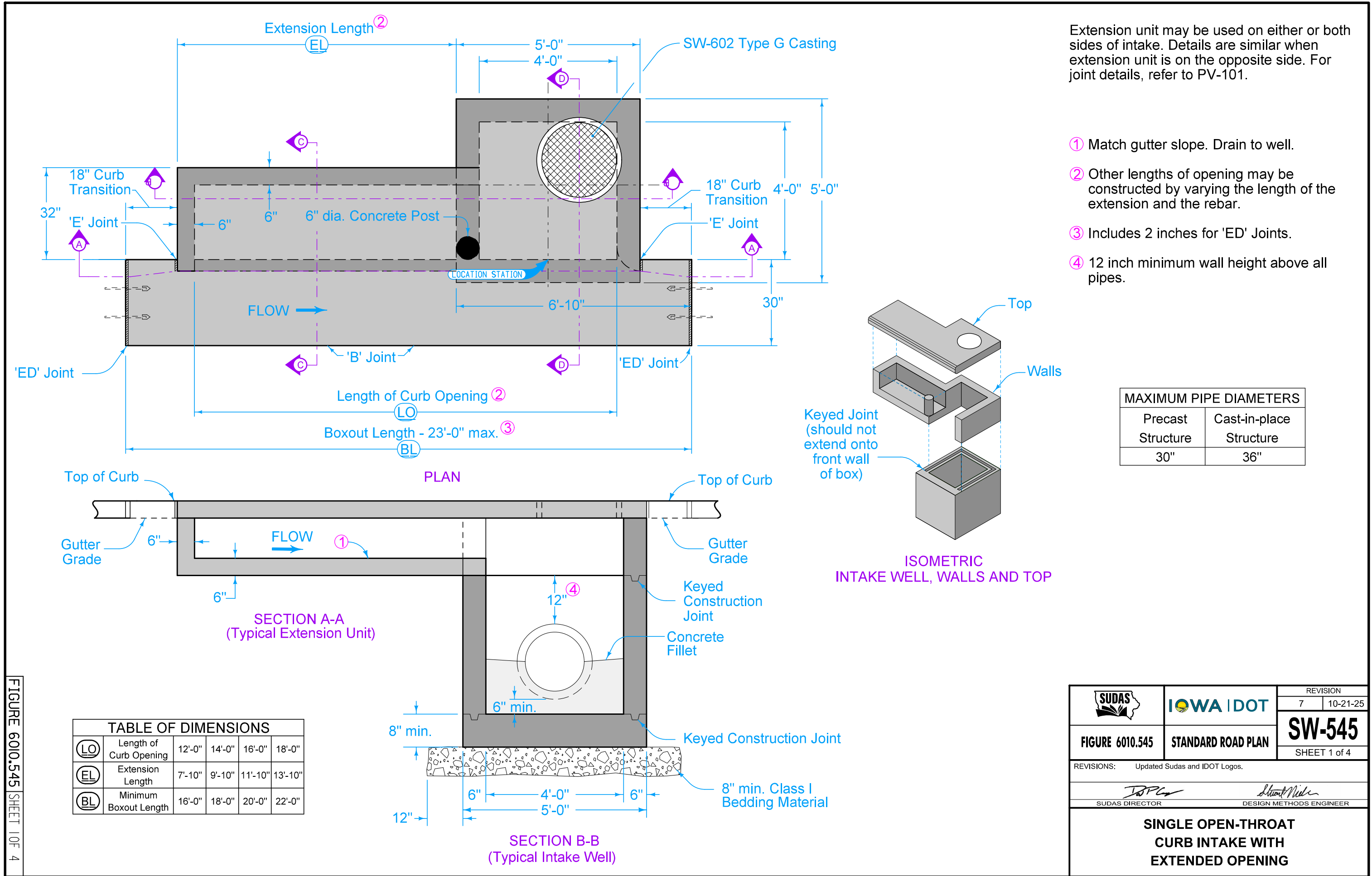






**FIGURE 6010.545****STANDARD ROAD PLAN**

REVISIONS: Updated Sudas and IDOT Logos.



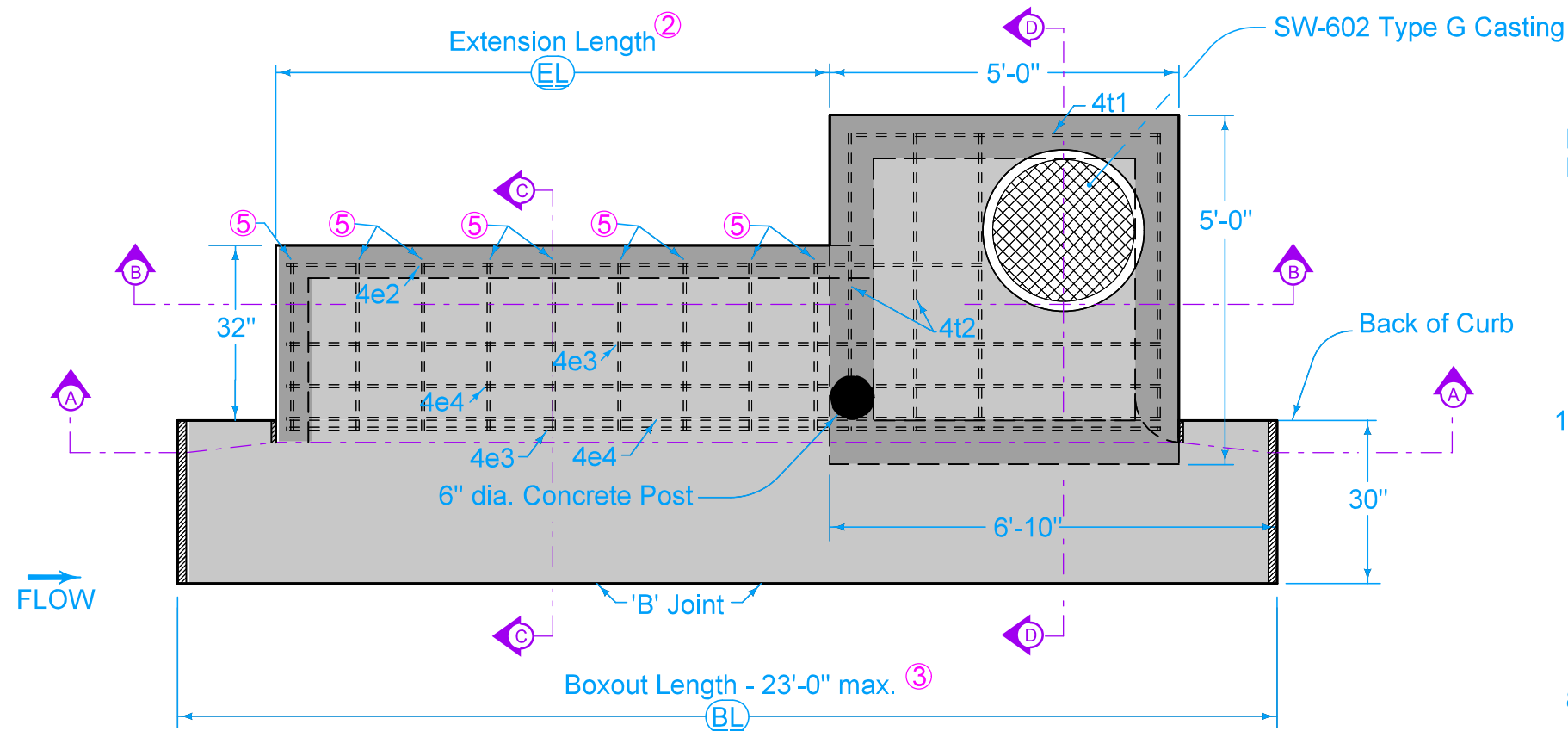
SUDAS DIRECTORDESIGN METHODS ENGINEER

REVISION710-21-25

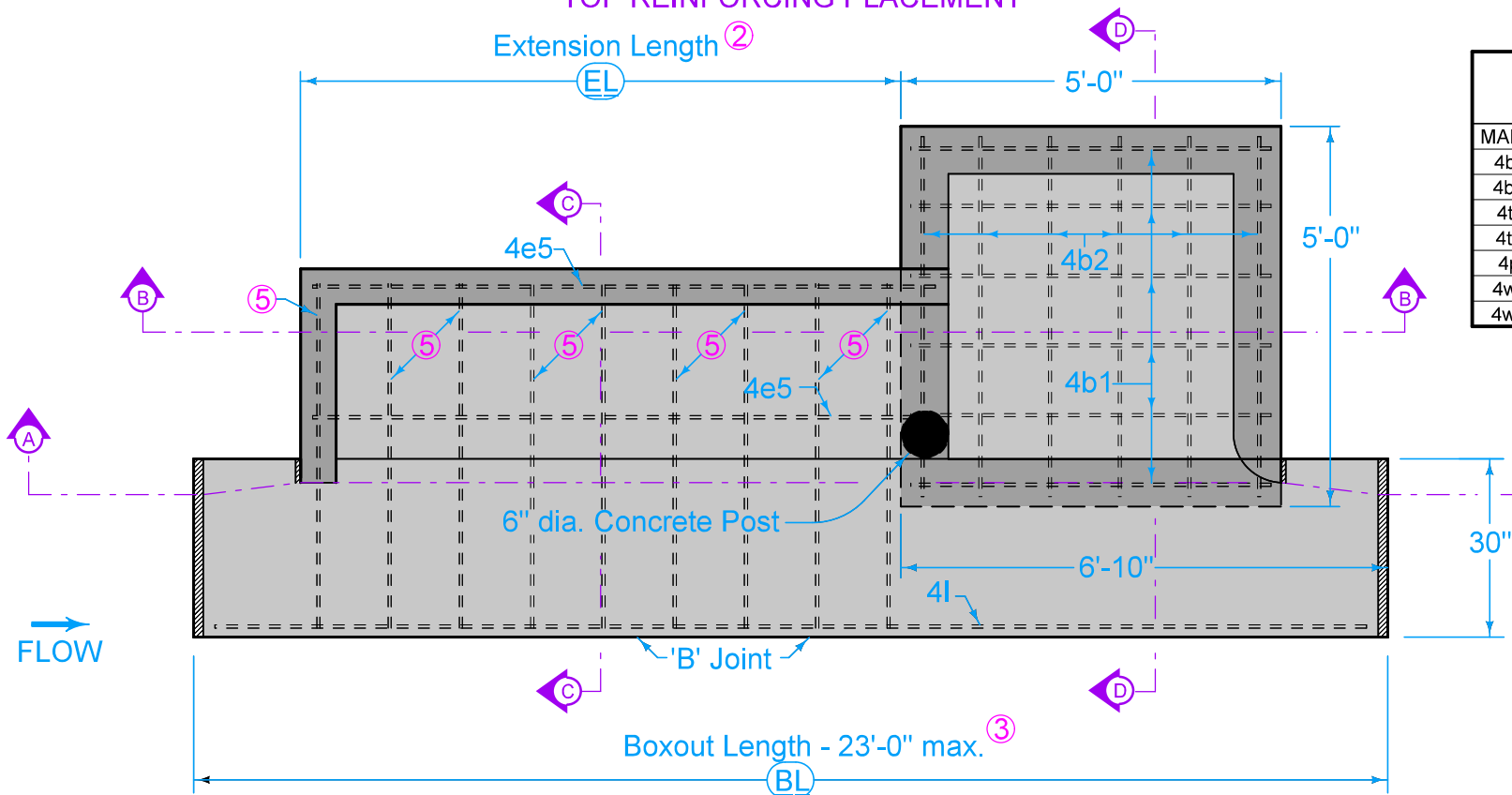
**SW-545**

SHEET 1 of 4

**SINGLE OPEN-THROAT CURB INTAKE WITH EXTENDED OPENING**

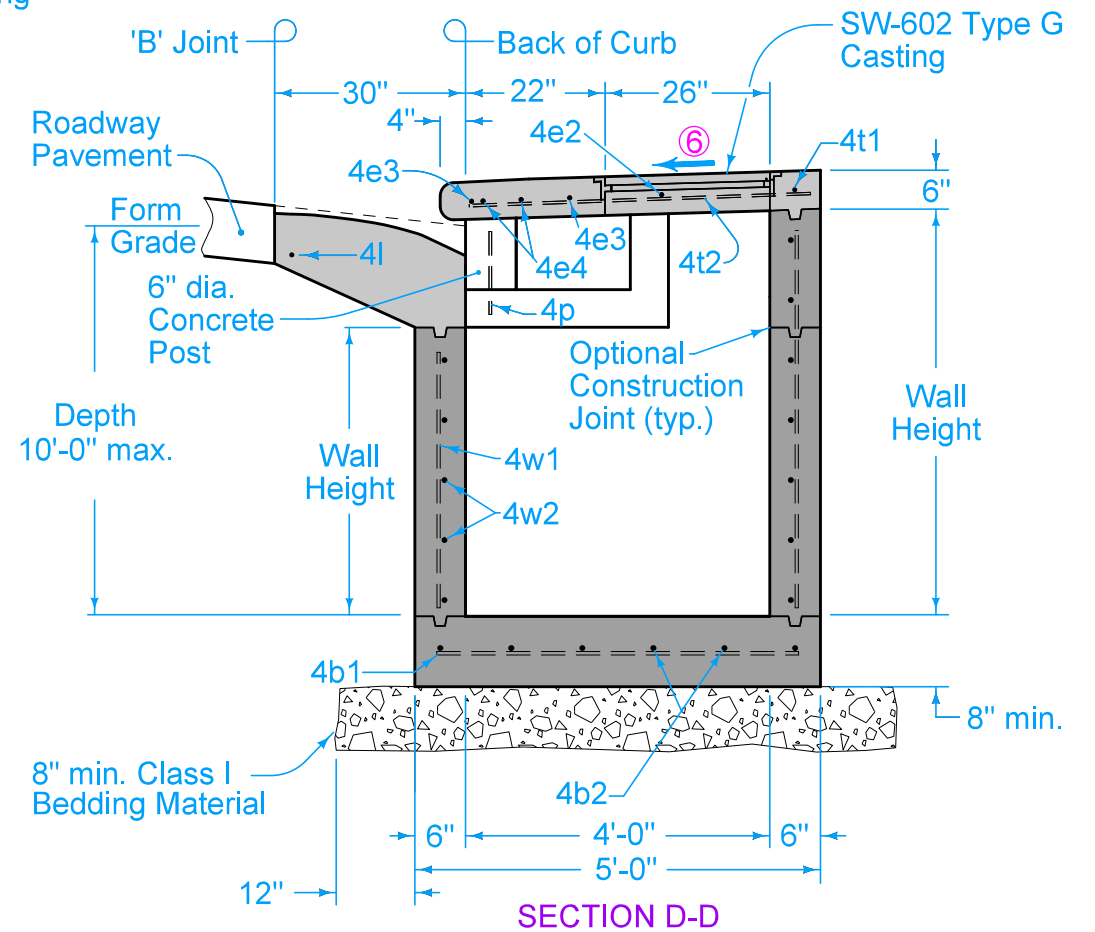


PLAN  
TOP REINFORCING PLACEMENT



PLAN  
BOTTOM REINFORCING PLACEMENT

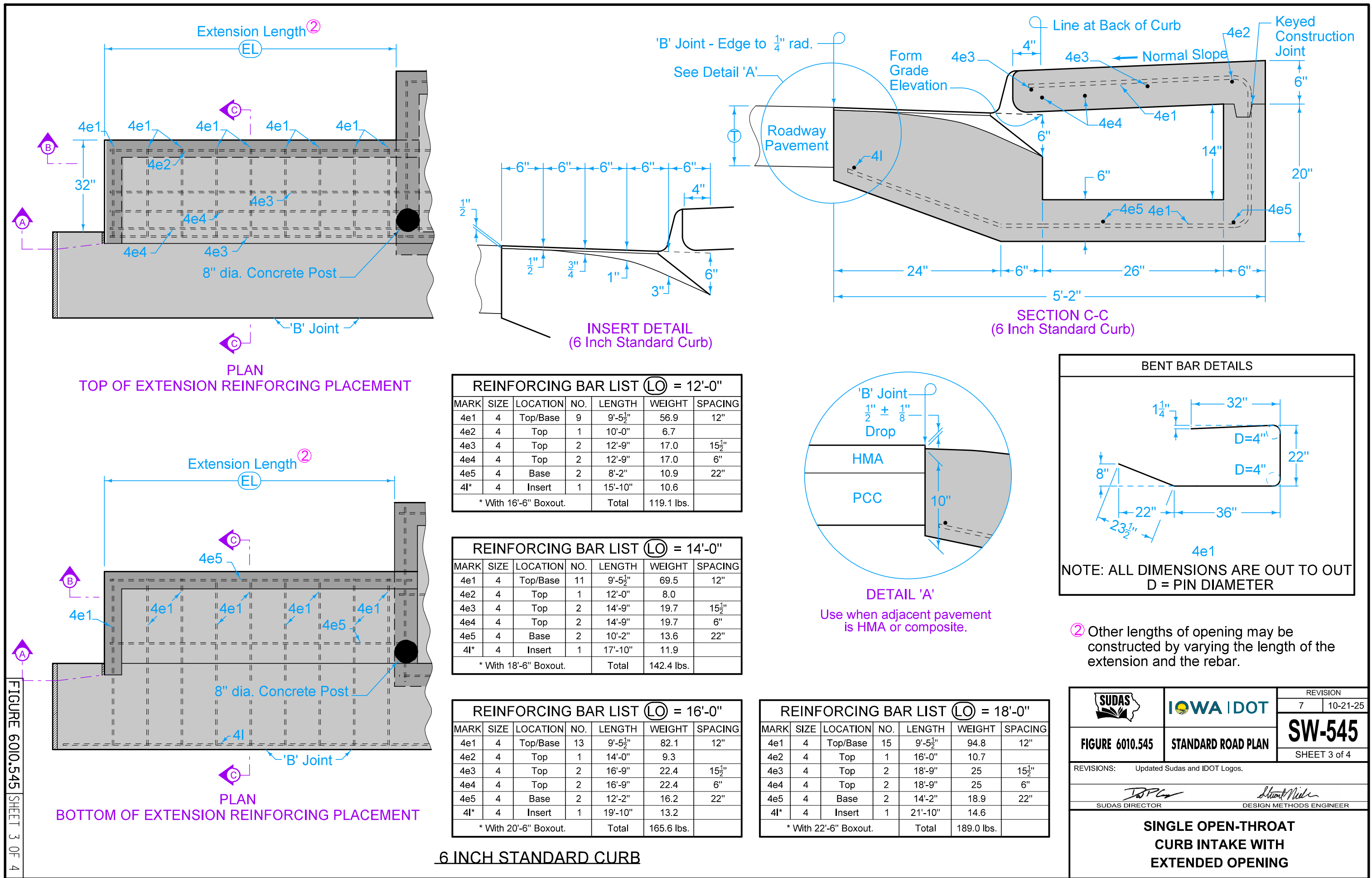
| REINFORCING BAR LIST<br>Intake Well |      |          |        |                      |            |
|-------------------------------------|------|----------|--------|----------------------|------------|
| MARK                                | SIZE | LOCATION | NO.    | LENGTH               | SPACING    |
| 4b1                                 | 4    | Base     | 6      | 4'-6"                | 11"        |
| 4b2                                 | 4    | Base     | 6      | 4'-6"                | 11"        |
| 4t1                                 | 4    | Top      | 1      | 4'-8"                | 12"        |
| 4t2                                 | 4    | Top      | 4      | 4'-3"                | See Detail |
| 4p                                  | 4    | Post     | 1      | 13"                  | See Detail |
| 4w1                                 | 4    | Walls    | 16     | Wall Height minus 4" | 14"        |
| 4w2                                 | 4    | Walls    | Varies | 4'-8"                | 12"        |

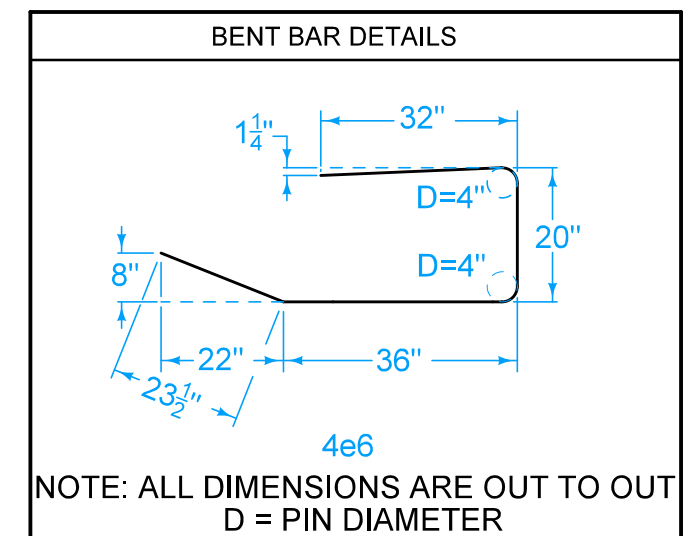
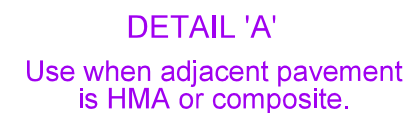
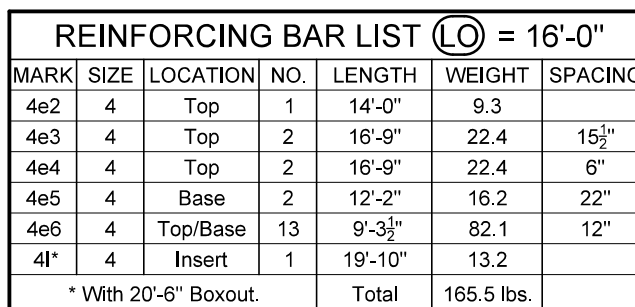
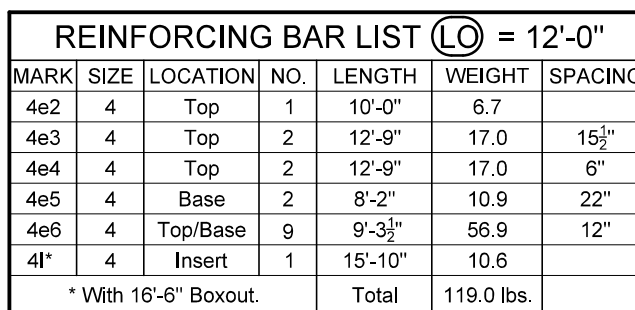


SECTION D-D

- ② Other lengths of opening may be constructed by varying the length of the extension and the rebar.
- ③ Includes 2 inches for 'ED' Joints.
- ⑤ 4e1 or 4e6. See Sheets 3 and 4.
- ⑥ Slope of 1.5% or as specified in the contract documents.

|                                                                     |                    |                               |          |
|---------------------------------------------------------------------|--------------------|-------------------------------|----------|
|                                                                     |                    | REVISION                      |          |
|                                                                     |                    | 7                             | 10-21-25 |
| FIGURE 6010.545                                                     | STANDARD ROAD PLAN | <b>SW-545</b><br>SHEET 2 of 4 |          |
| REVISIONS: Updated Sudas and IDOT Logos.                            |                    |                               |          |
| <br>SUDAS DIRECTOR                                                  |                    | <br>DESIGN METHODS ENGINEER   |          |
| <b>SINGLE OPEN-THROAT<br/>CURB INTAKE WITH<br/>EXTENDED OPENING</b> |                    |                               |          |





② Other lengths of opening may be constructed by varying the length of the extension and the rebar.

|                                                                                       |                                                                                       |               |          |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------|----------|
|  |  | REVISION      |          |
|                                                                                       |                                                                                       | 7             | 10-21-25 |
|                                                                                       |                                                                                       | <b>SW-545</b> |          |
| <b>FIGURE 6010.545</b>                                                                | <b>STANDARD ROAD PLAN</b>                                                             | SHEET 4 of 4  |          |

|            |                               |
|------------|-------------------------------|
| REVISIONS: | Updated Sudas and IDOT Logos. |
|------------|-------------------------------|

  
SUDAS DIRECTOR

*Stuart Nickerson*  
DESIGN METHODS ENGINEER

### SINGLE OPEN-THROAT CURB INTAKE WITH EXTENDED OPENING