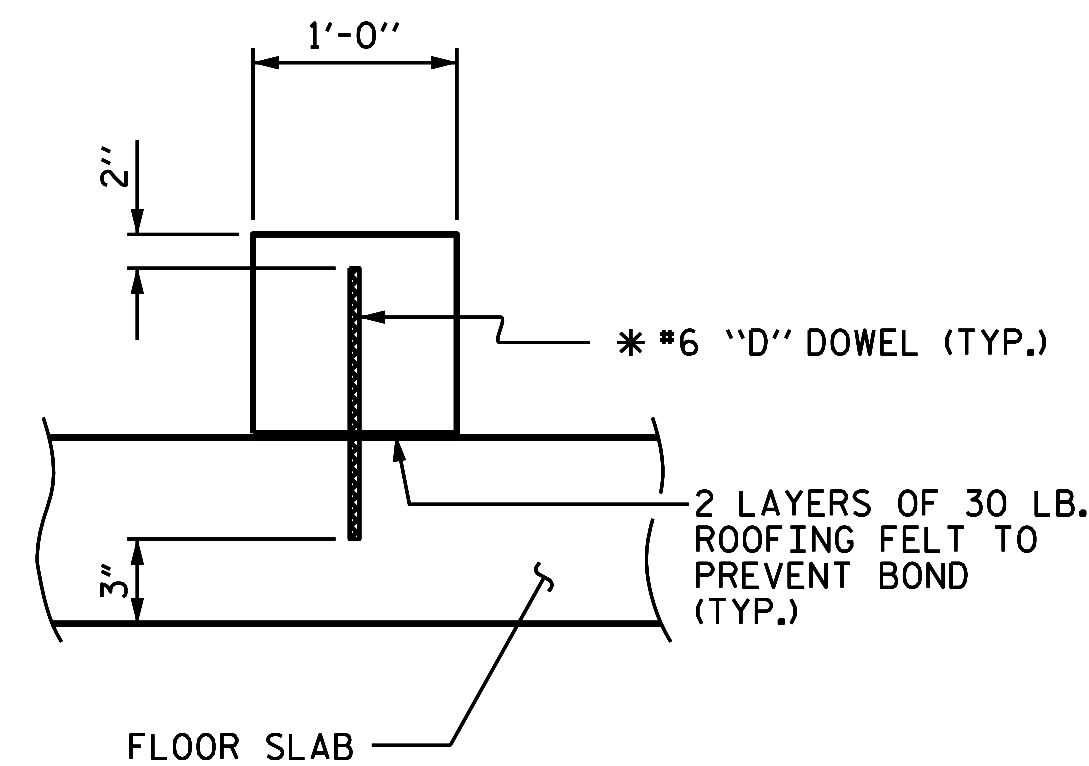


ELEVATION
SILLS REQUIRED AT INLET AND OUTLET ENDS
(LOOKING DOWNSTREAM)



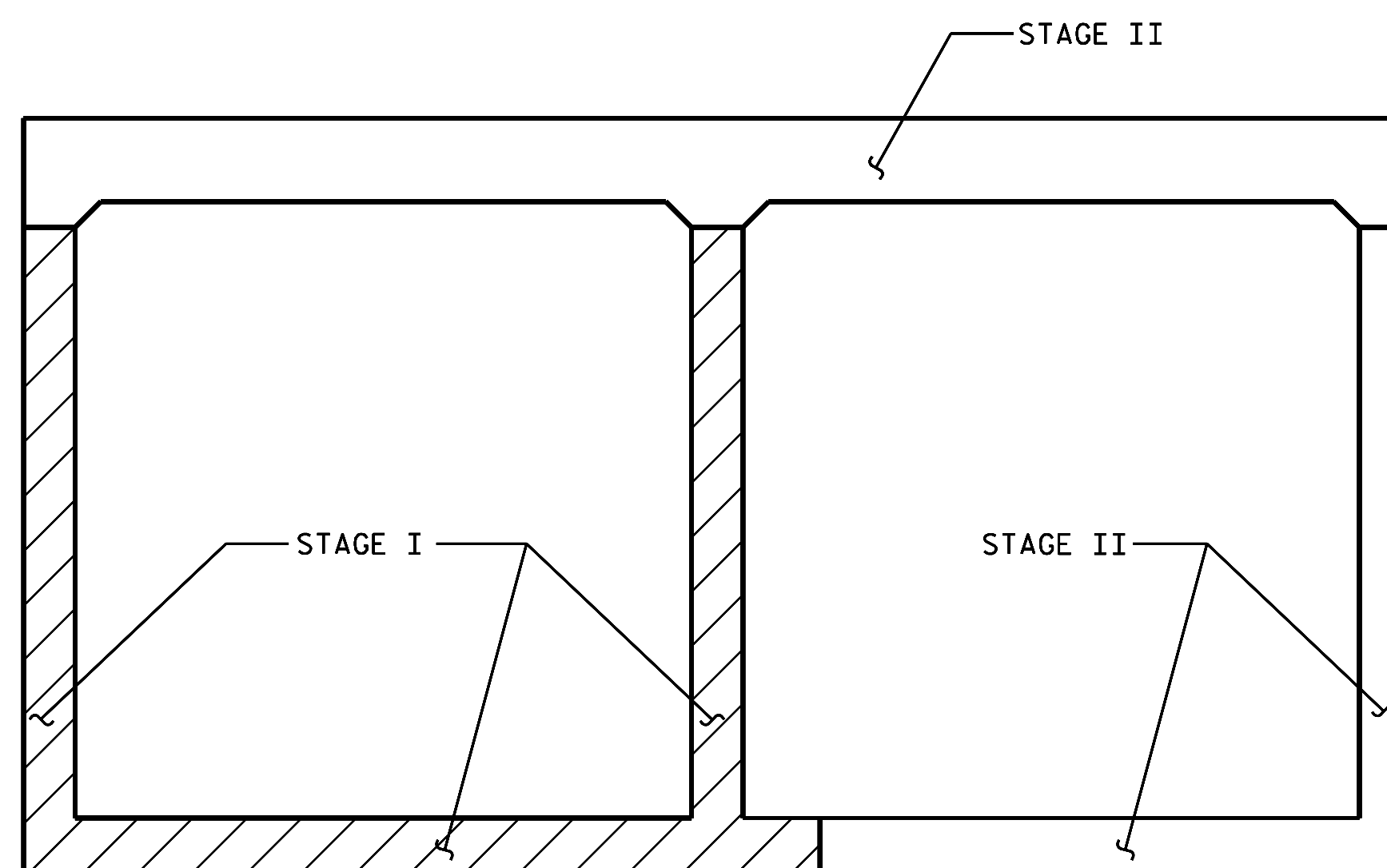
SECTION THROUGH SILL
* DOWELS MAY BE PUSHED INTO GREEN CONCRETE
AFTER SLAB HAS BEEN FLOAT FINISHED.
CULVERT SILL DETAILS

BAR TYPE		
VERTICAL LEG	①	6" R.
A1	2'-5"	
A2	1'-8"	
A3	1'-9"	
A1, A2	1'-7 1/2"	9 1/2"
A3	1'-9 1/2"	
DIMENSIONS ARE OUT TO OUT		
SPLICE LENGTH CHART		
BAR	SIZE	SPLICE LENGTH
A200	#4	1'-11"
A400	#4	1'-5"
B1	#4	1'-5"
C1	#4	1'-11"

BILL OF MATERIAL STAGE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A200	53	#4	STR	12'-1"	428
A400	57	#4	STR	11'-7"	441
A2	57	#4	1	4'-1"	155
A3	57	#4	1	4'-4"	165
B1	29	#4	STR	9'-5"	182
B2	57	#4	STR	7'-4"	279
B3	57	#4	STR	9'-5"	359
C1	30	#4	STR	28'-2"	564
D1	6	#6	STR	2'-4"	21
TOTAL REINFORCING STEEL					2,594 LBS.

CLASS A CONCRETE		
1 BARREL		19.0 C.Y.
2 SILLS		1.2 C.Y.
2 WINGS & CURTAIN WALLS		17.6 C.Y.
TOTAL CLASS A CONCRETE		37.8 C.Y.

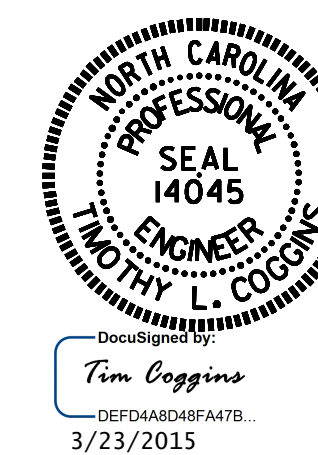
BILL OF MATERIAL STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A100	68	#4	STR.	17'-7"	799
A250	53	#4	STR.	7'-4"	260
A300	57	#4	STR.	17'-7"	670
A450	57	#4	STR.	7'-4"	279
A1	57	#4	1	4'-10"	184
A2	57	#4	1	4'-1"	155
B1	29	#4	STR.	9'-5"	182
B2	57	#4	STR.	7'-4"	279
C1	42	#4	STR.	28'-2"	790
D2	6	#6	STR.	1'-4"	12
G1	8	#5	STR.	17'-8"	147
TOTAL REINFORCING STEEL					3,757 LBS.
CLASS A CONCRETE					
1 BARREL & ROOF					33.0 C.Y.
2 SILLS					0.6 C.Y.
2 HEADWALLS					1.7 C.Y.
2 WINGS & CURTAIN WALLS					17.4 C.Y.
TOTAL CLASS A CONCRETE					52.7 C.Y.



STAGE I AND II
CONSTRUCTION SEQUENCE
LOOKING DOWNSTREAM

PROJECT NO. R-2514D
JONES & CRAVEN COUNTY
STATION: 20+75.75 -DRV3-
SHEET 7 OF 8

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
**DOUBLE 8 FT. X 8 FT.
CONCRETE BOX CULVERT**
92° SKEW



ASSEMBLED BY : M.D. PISO DATE : 01-12-15
CHECKED BY : N. RUFFIN DATE : 01-22-15
DESIGN ENGINEER OF RECORD: G. KOUCHEKI DATE : 02-10-15

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 8