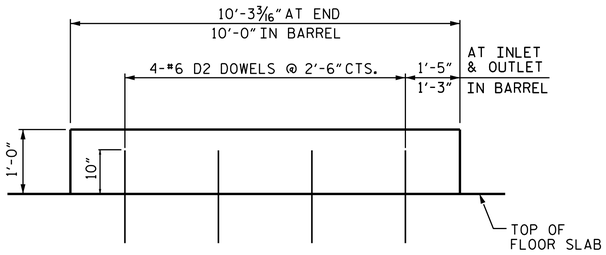
NOTES:

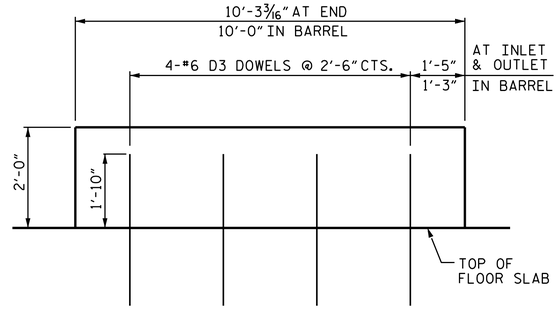
CULVERT FLOOR SLAB IS BURIED 1.0' BELOW EXISTING STREAM BED. BACKFILL WITH NATIVE MATERIAL TO SILL HEIGHT IN BOTH BARRELS.

NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE STREAM BED AT THE PROJECT SITE DURING CULVERT CONSTRUCTION. ONLY MATERIAL THAT IS EXCAVATED FROM THE STREAM BED MAY BE USED TO BACKFILL THE LOW CULVERT BARREL 2. RIP RAP MAY BE USED TO SUPPLEMENT THE NATIVE MATERIAL USED TO BACKFILL THE HIGH FLOW CULVERT BARREL 1. IF RIP RAP IS USED TO BACKFILL THE HIGH FLOW CULVERT BARREL 1, NATIVE MATERIAL SHOULD BE PLACED ON TOP TO FILL VOIDS AND PROVIDE A FLAT SURFACE FOR ANIMAL PASSAGE.

NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.

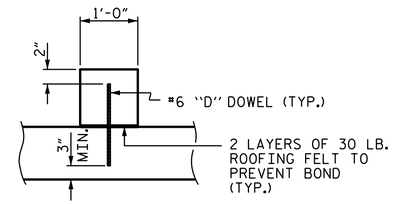


1'-0" SILL
IN BARREL 1



2'-0" SILL
IN BARREL 2

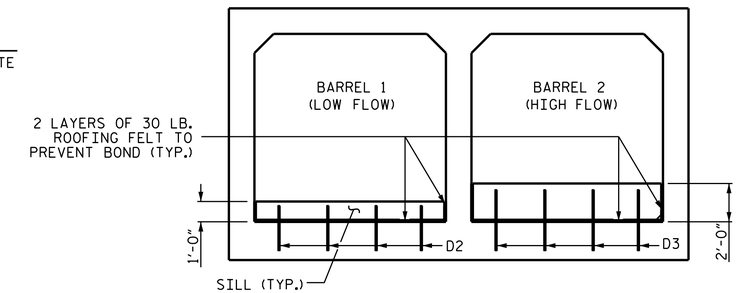
CONCRETE SILL DETAILS



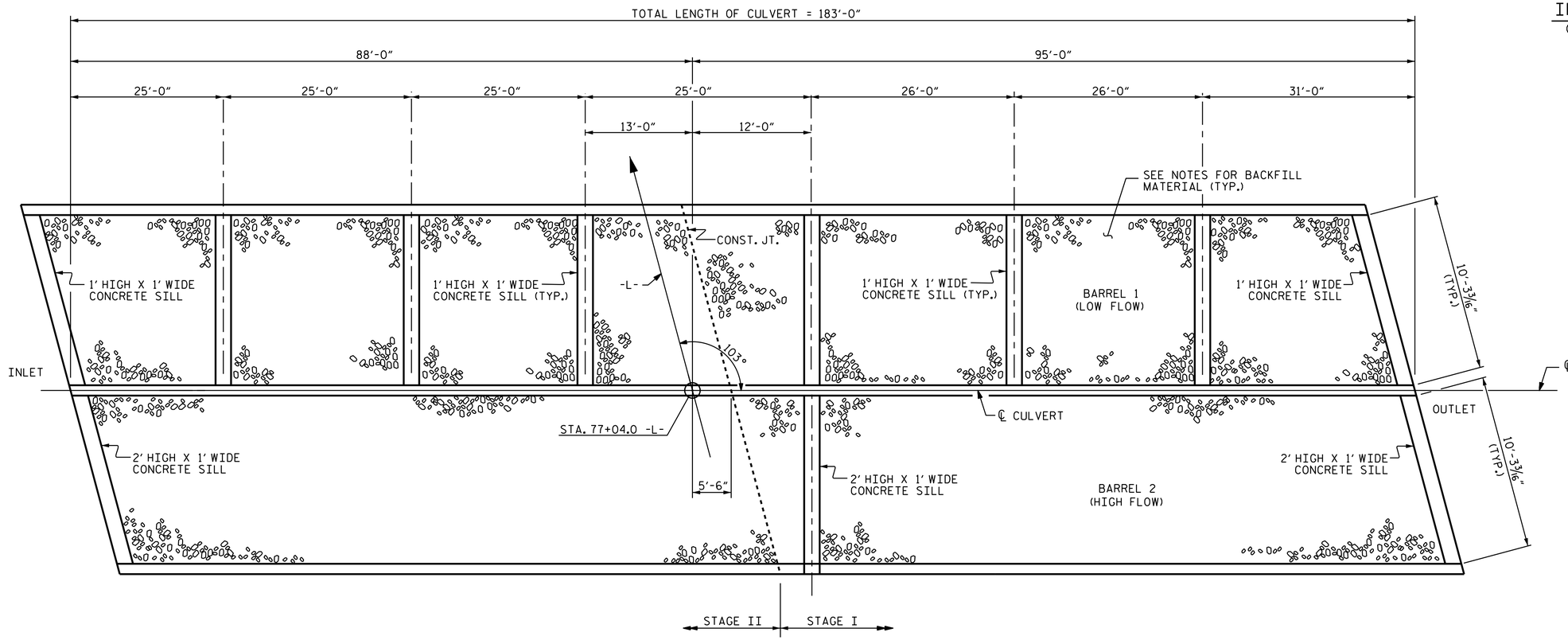
SECTION THROUGH SILL

DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN FLOAT FINISHED.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE NATIVE MATERIAL BACKFILL SHALL BE PLACED PRIOR TO THE CASTING OF THE ROOF SLAB.



INLET ELEVATION
(LOOKING DOWNSTREAM)



PLAN

NORTH CAROLINA PROFESSIONAL SEAL 25461 ENGINEER EMMANUEL I. OMILE
9/29/2014
DocuSigned by:
658110228E1B425...

PROJECT NO. R-0623
MONTGOMERY COUNTY
STATION: 77+04.00 -L-

SHEET 5 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DETAILS OF SILLS FOR CONCRETE BOX CULVERT
103° SKEW

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-12
1			3			TOTAL SHEETS
2			4			29

CULVERT #2

STD. NO. CB332

REVISED 11-19-99 BY M.W. CHECKED BY R.W.W.
REVISED 8-29-99 BY E.L.R. CHECKED BY G.R.P.
REDRAWN 8/1990 BY S.A.I., CHECKED BY E.L.R.

ASSEMBLED BY :	E.I. OMILE	DATE :	1-17-13
CHECKED BY :	S. WANCE	DATE :	3/13
DRAWN BY :	W.BRYAN STALEY II	DATE :	NOV.5,1971
CHECKED BY :	JOEL A. JOHNSON	DATE :	NOV.13,1971