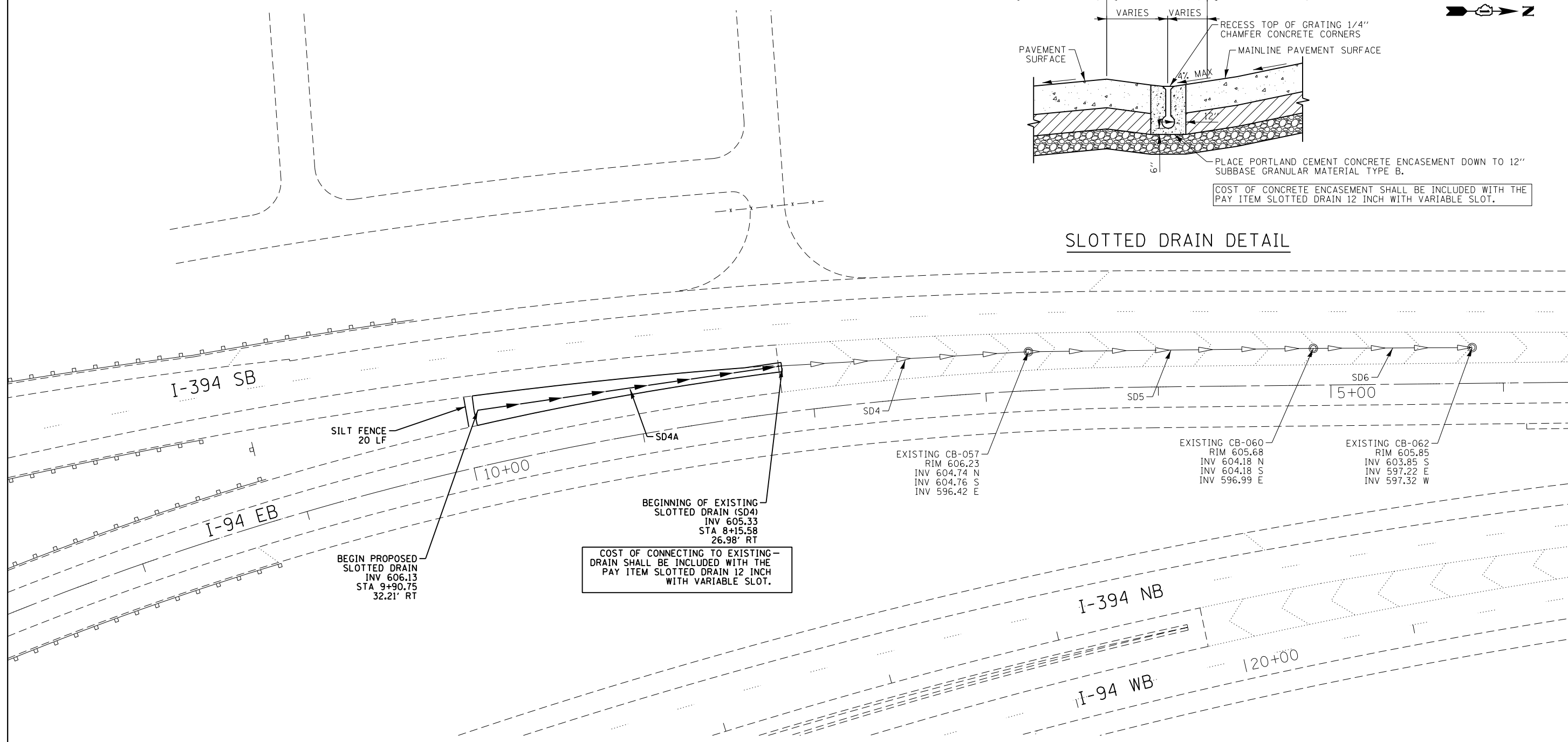


SLOTTED DRAIN DETAIL



BEGIN PROPOSED SLOTTED DRAIN
INV 606.13
STA 9+90.75
32.21' RT

COST OF CONNECTING TO EXISTING DRAIN SHALL BE INCLUDED WITH THE PAY ITEM SLOTTED DRAIN 12 INCH WITH VARIABLE SLOT.

BEGINNING OF EXISTING SLOTTED DRAIN (SD4)
INV 605.33
STA 8+15.58
26.98' RT

EXISTING CB-057
RIM 606.23
INV 604.74 N
INV 604.76 S
INV 596.42 E

EXISTING CB-060
RIM 605.68
INV 604.18 N
INV 604.18 S
INV 596.99 E

EXISTING CB-062
RIM 605.85
INV 603.85 S
INV 597.22 E
INV 597.32 W

PROPOSED SLOTTED DRAIN

PIPE NUMBER	DIAMETER (INCHES)	HEIGHT	LENGTH (FEET)	SLOPE (%)	COMMENTS
SD4A	12	VARIES	178	0.45	PROPOSED SLOTTED DRAIN CONNECTS INTO EXISTING SLOTTED DRAIN, MATCH EXISTING INVERT ELEVATION, FLOW RUNS TO THE NORTH

NOTES:

1. THE SLOTTED DRAIN SHALL BE 12" DIAMETER WITH SLOT WIDTH OF 1-3/4", SPACER BARS SHALL BE 3/16" SOLID WEB SPACERS ON 6" CENTERS FOR THE FULL LENGTH OF THE GRATING.
2. THE UPSTREAM END OF THE SLOTTED DRAIN INSTALLATION SHALL BE SEALED WITH A WELDED END PLATE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. THE SLOTTED DRAIN SHALL BE INSTALLED IN A TRENCH EXCAVATED TO THE REQUIRED GRADE, AS SHOWN IN THE SECTIONS, WIDE ENOUGH TO ACCOMMODATE PIPEDRAIN. IF TRENCH IS EXCAVATED TOO DEEP, ADDITIONAL DEPTH SHALL BE FILLED WITH APPROVED FINE AGGREGATE AND COMPACTED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST.
4. PRIOR TO BACKFILLING THE SLOTTED DRAIN SHALL BE COVERED TO PREVENT THE INTRUSION OF FOREIGN MATERIAL DURING BACKFILLING AND PAVING OPERATIONS. COST SHALL BE INCLUDED WITH THE PAY ITEM "SLOTTED DRAIN 12 INCH WITH VARIABLE SLOT".

EXISTING SLOTTED DRAIN

PIPE NUMBER	DIAMETER (INCHES)	HEIGHT	LENGTH (FEET)	SLOPE (%)	COMMENTS
SD4	12	VARIES	143	0.40	SLOTTED DRAIN RUNS NORTH FROM SLOTTED DRAIN END TO STRUCTURE CB-057
SD5	12	VARIES	165	0.34	SLOTTED DRAIN RUNS NORTH FROM STRUCTURE CB-057 TO STRUCTURE CB-060
SD6	12	VARIES	92	0.36	SLOTTED DRAIN RUNS NORTH FROM STRUCTURE CB-060 TO STRUCTURE CB-062



USER NAME = MRoeseler	DESIGNED - TP, GA	REVISED -
PLOT SCALE = 60.0000' / in.	DRAWN - MR	REVISED -
PLOT DATE = 4/5/2013	CHECKED - TP	REVISED -
	DATE - 04/01/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN

SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	0203.1(R-2&3)I	COOK	10	7
CONTRACT NO. 60W48				
ILLINOIS FED. AID PROJECT				