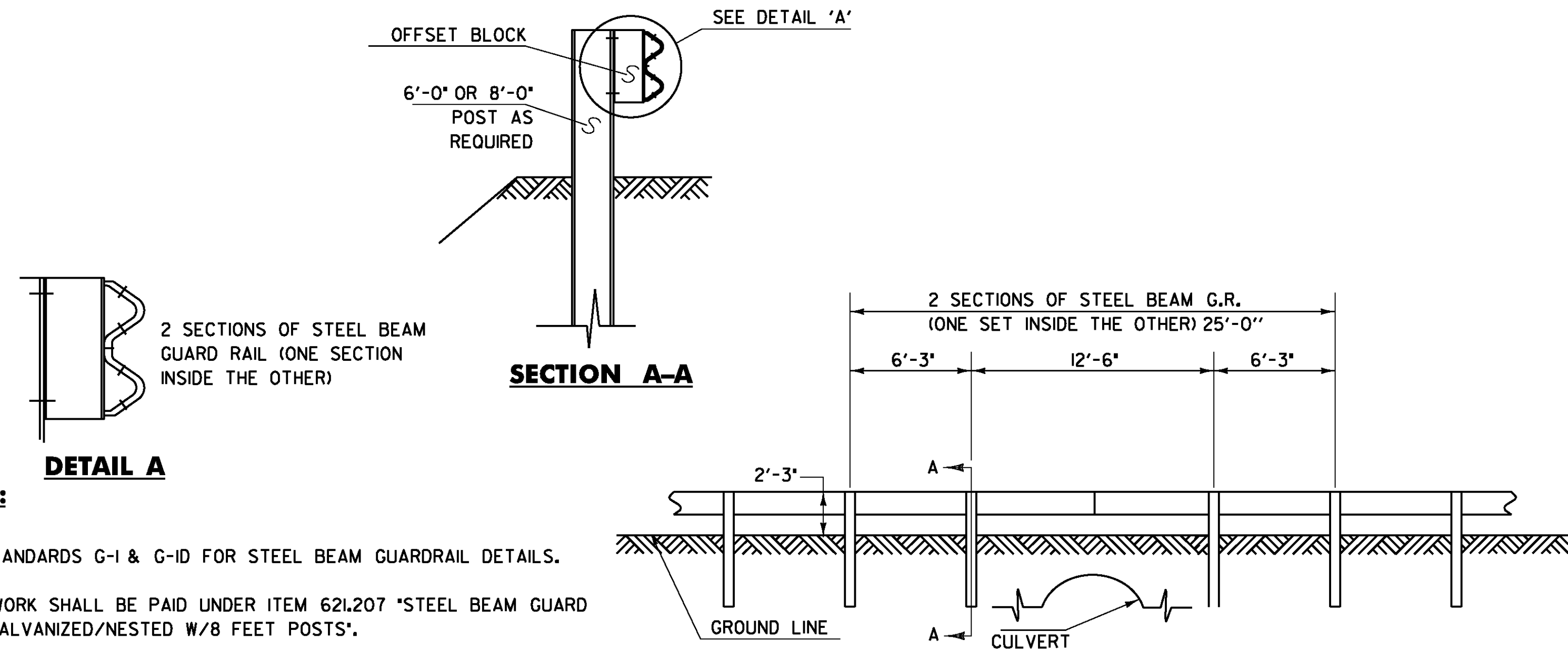


EXISTING CULVERT INVENTORY MATRIX				
STATION	SIZE (IN)	TYPE	COVER (FT)	
			LEFT	RIGHT
BOLTON				
116+28	30	CMP	3.20	3.00
146+03	8	RCP	4.80	7.30
147+52	15	CMP	5.20	5.80
162+28	15	CMP	2.80	6.80
166+09	15	CMP	5.20	10.20
174+01	15	CMP	5.60	5.10
176+00	15	CMP	5.40	5.00
181+00	18	RCP	5.40	4.40
186+01	18	CMP	4.80	3.90
191+00	15	CMP	4.70	4.70
196+00	18	RCP	4.30	4.30
199+25	24	CMP	5.40	5.10
211+30	18	CMP	11.90	10.10
215+97	6'X8'	CONC.	5.60	6.00
217+99	15	CMP	4.80	4.50
221+00	15	CMP	4.10	3.80
225+99	15	CMP	4.50	4.00
230+58	18	CMP	4.10	3.60
235+99	18	RCP	4.60	4.00
240+99	18	CMP	4.50	4.20
243+99	18	CMP	4.70	4.10
248+16	11'X12'	CONC.	4.00	5.30
250+97	24	CMP	4.90	5.40

EXISTING CULVERT INVENTORY MATRIX				
STATION	SIZE (IN)	TYPE	COVER (FT)	
			LEFT	RIGHT
251+49	18	RCP	4.00	5.40
255+89	18	RCP	3.40	5.00
259+85	18	RCP	3.30	4.50
267+31	18	RCP	4.00	4.80
270+82	18	RCP	3.80	4.20
274+32	36	CMP	2.60	3.10
278+82	18	RCP	3.50	4.10
282+41	18	CMP	4.20	4.20
285+57	24	CMP	3.40	3.10
286+84	18	RCP	5.00	3.70
290+43	18	CMP	4.90	5.00
295+08	18	PVC	4.60	4.00
299+17	18	RCP	5.30	6.10
WATERBURY				
A 2+42	36	CMP	4.20	6.40
A 12+31	24	CMP	10.90	6.10
A 16+65	24	CMP	6.30	4.90
A 20+16	24	RCP	3.70	4.10
A 24+68	24	CMP	3.80	3.80
A 32+85	24	RCP	3.50	3.50
A 36+92	36	CMP	3.60	4.40
A 45+25	48	RCP	9.70	10.40
A 54+98	24	CONC.	4.40	4.70

EXISTING CULVERT INVENTORY MATRIX				
STATION	SIZE (IN)	TYPE	COVER (FT)	
			LEFT	RIGHT
A 67+13	24	CMP	6.10	11.10
A 73+00	15	RCP	5.60	5.20
A 79+45	4'X4'	CONC.	4.70	4.10
A 112+40	18	RCP	2.80	3.40
A 143+32	60	CMP	8.40	7.10
A 164+52	24	CMP	2.00	6.00
A 176+68	24	RCP	2.60	5.20
A 179+47	36	RCP	0.40	2.20
A 181+89	36	CMP	10.20	10.50
A 185+25	60	CMP	9.90	8.30



NOTES: **DETAIL A**

1. SEE STANDARDS G-1 & G-1D FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.207 *STEEL BEAM GUARD RAIL, GALVANIZED/NESTED W/8 FEET POSTS*.
3. THIS DETAIL TO BE USED AT LOCATIONS INDICATED ON THE ITEM DETAIL SHEET OR AS DIRECTED BY THE ENGINEER.

DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS

BOLTON
STA. 215+97 LT
WATERBURY
STA. A 79+42 RT
STA. 79+45 LT

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

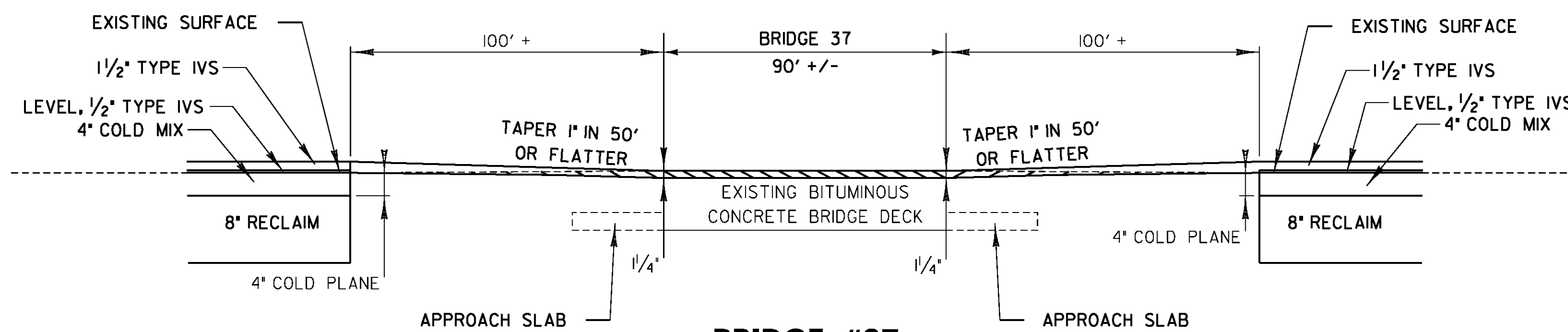
FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

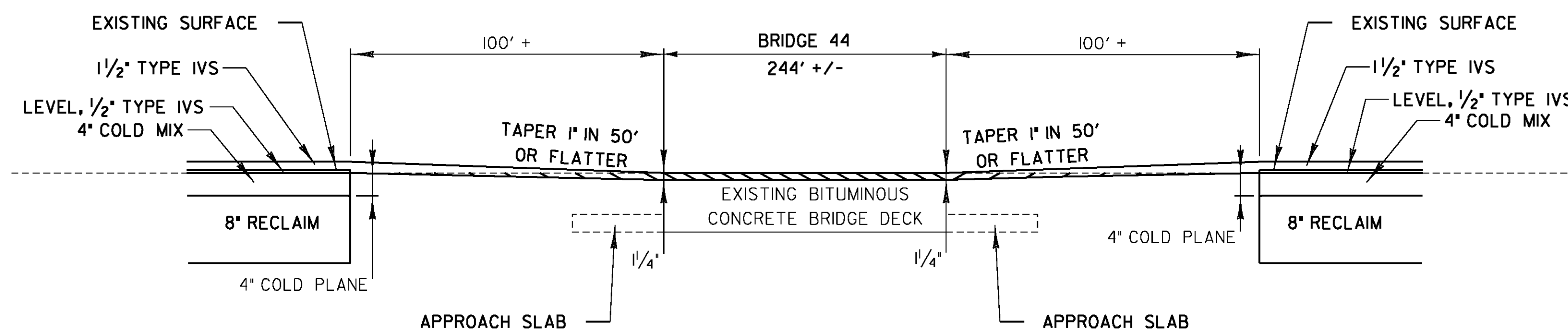
BRIDGE #	516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE
	LF	CF
JOINER BRIDGE	70	10
BRIDGE #44	140	10
SUBTOTAL	210	20
ROUNDING	0	0
TOTAL	210	20

REFER TO BRIDGE JOINT ASPHALTIC PLUG, STRUCTURES DETAIL SD-516.10



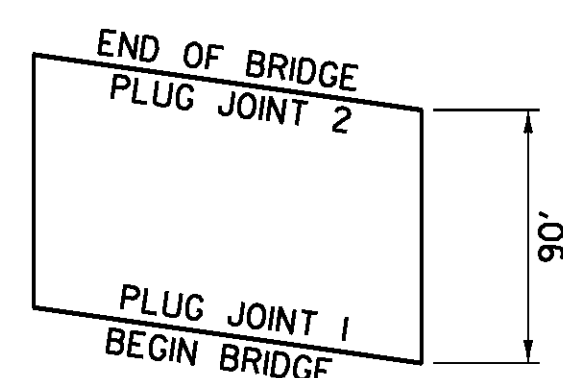
BRIDGE #37

BOLTON
STA 152+20

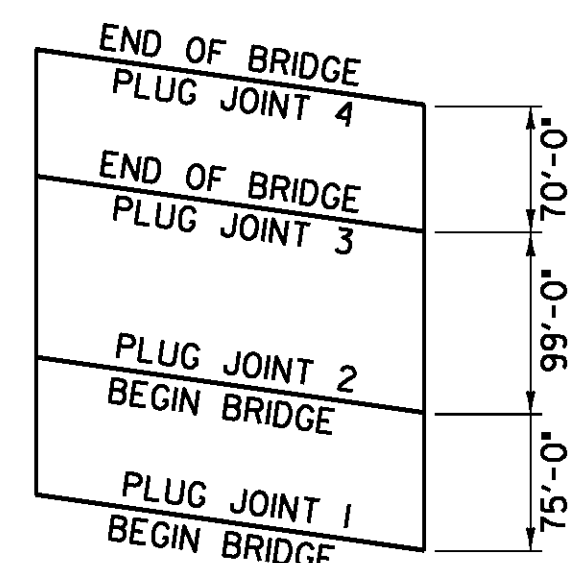


BRIDGE #44

WATERBURY
STA. A 133+84



BOLTON BRIDGE #37
STA. 152+20 (MM 2.882)



WATERBURY BRIDGE #44
STA. A 133+84 (MM 2.535)

NOTES:

1. BRIDGE #44 HAS DROP INLET AND/OR DOWNSPOUT OPENINGS LOCATED AT THE CURB LINE. THESE DRAINAGE OPENINGS WILL NOT REQUIRE REHABILITATION OR HEIGHT ADJUSTMENT. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT CURB LINE AND IN THE EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE BRIDGE FEATURES ON A REGULAR BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE STATE. THE CONTRACTOR SHALL PERFORM COLD PLANING WITH CAUTION AT THESE LOCATIONS. ANY DAMAGE WHICH OCCURS TO BRIDGE DECK MEMBRANES AS A RESULT OF COLD PLANE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MEMBRANE WILL BE REPAIRED OR REPLACED AT NO COST TO THE STATE.

JOINT	STATION	LENGTH
1	151+75	35' - 0"
2	152+65	35' - 0"
BRIDGE #37 70' - 0"		
TOTAL LENGTH OF JOINT		

JOINT	STATION	LENGTH
1	A 132+62	35' - 0"
2	A 133+37	35' - 0"
3	A 134+35	35' - 0"
4	A 135+05	35' - 0"
BRIDGE #44 140' - 0"		
TOTAL LENGTH OF JOINT		

DETAILS ARE NOT TO SCALE

PROJECT TYPICAL SHEET 3

PROJECT NAME: BOLTON-WATERBURY
PROJECT NUMBER: STP 2709(1)

FILE NAME: p07C172.dgn
PROJECT LEADER: CDL
DESIGNED BY: BMB
PLOT FILE: p07C172.10.1

PLOT DATE: 4/17/2013
DRAWN BY: JBG/BMB
CHECKED BY: CDL
SHEET 10 OF 217