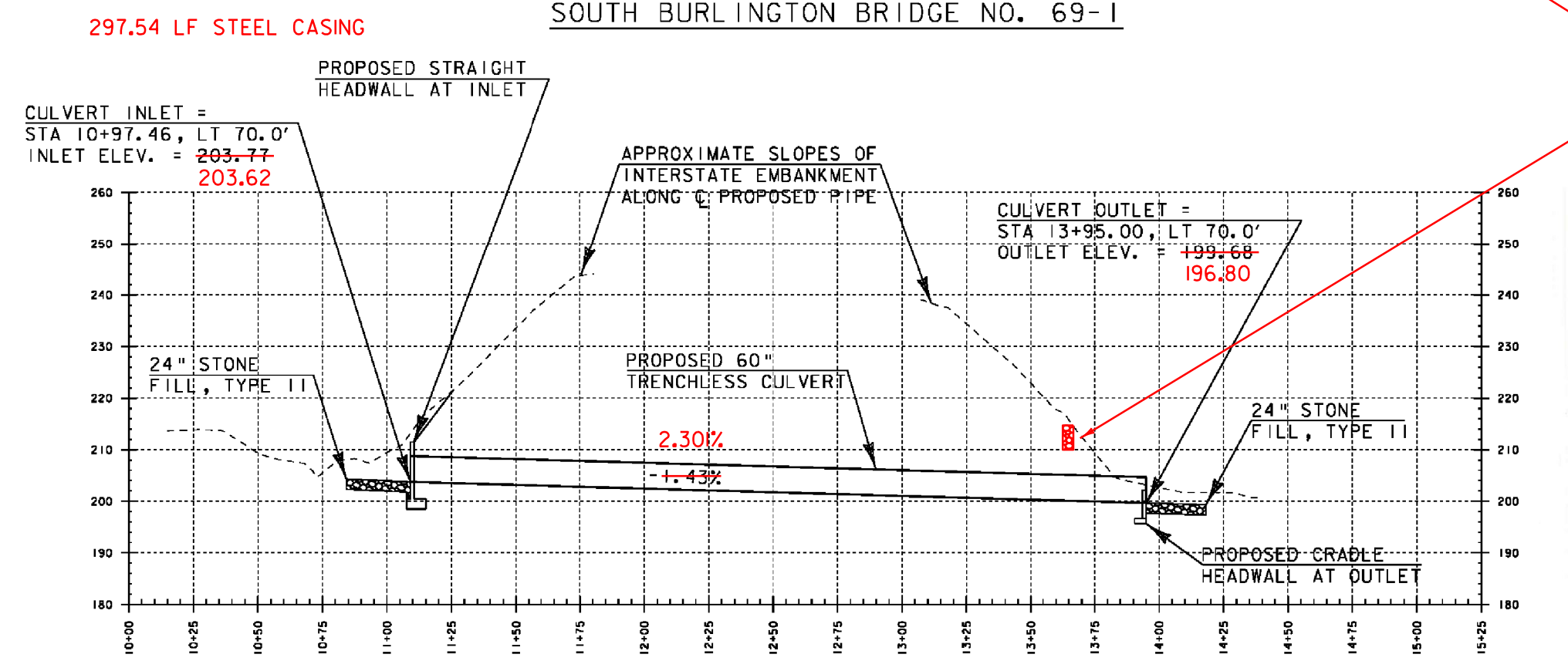


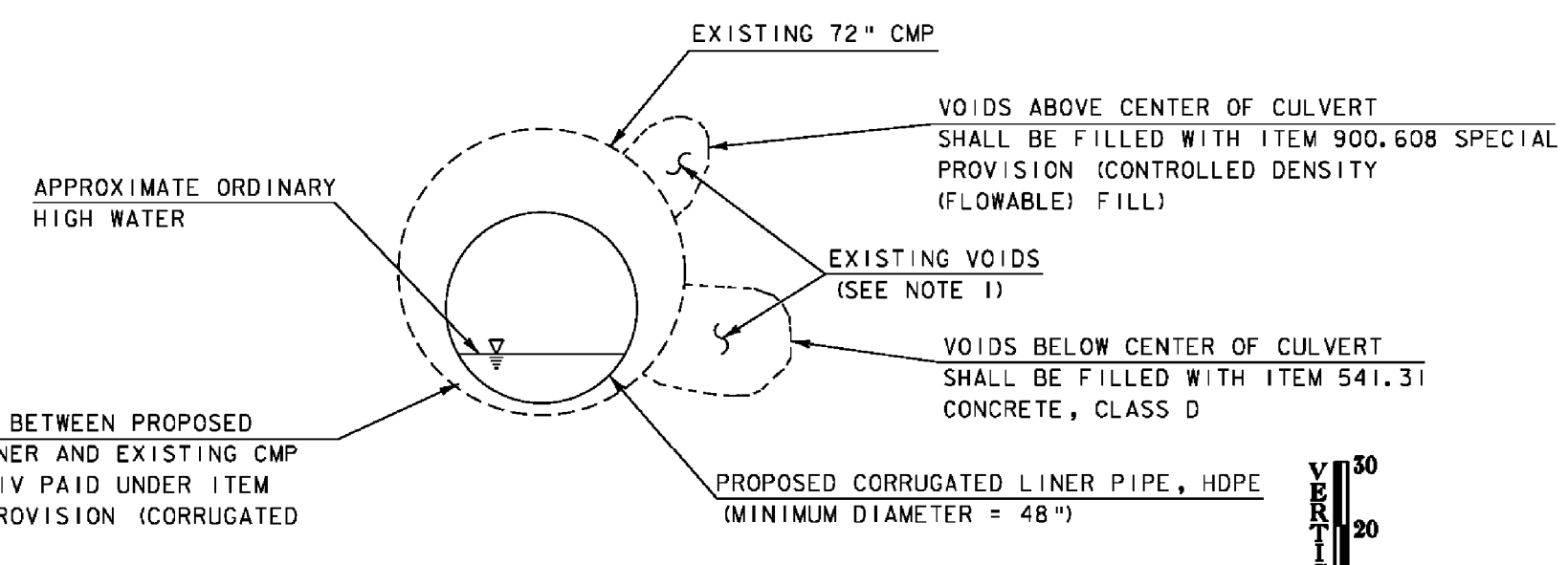
EXISTING CULVERT WITH LINER
SOUTH BURLINGTON BRIDGE NO. 69-1



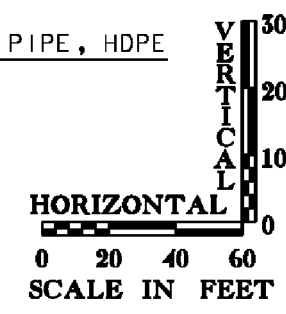
PROPOSED 60" TRENCHLESS CULVERT
SOUTH BURLINGTON BRIDGE NO. 69-1

TOTAL STATION USED FOR ASBULT DATA,
60" INVERT @ INLET STORED AS POINT *502
N 722729.60
E 1464368.91
ELEV. 202.75

60" OUTLET POINT *503
N 722939.51
E 1464159.58
ELEV. 196.80



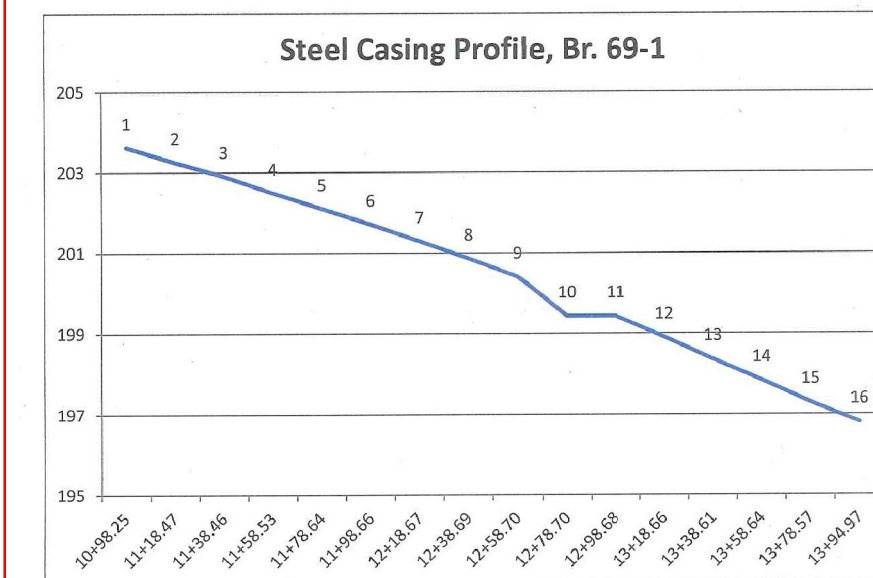
CULVERT LINING DETAIL
NOT TO SCALE



STONE FILL (TYPE 1/III) USED AS FRENCH
DRAIN ALONG TOP OF HEADWALL. TIED
INTO STONE FILL ON SLOPE.

Station	Elevation	Offset
1	10+98.25	203.62 68.98 LT
2	11+18.47	203.25 69.12 LT
3	11+38.66	202.91 69.07 LT
4	11+58.53	202.49 69.09 LT
5	11+78.64	202.1 69.25 LT
6	11+98.66	201.71 69.27 LT
7	12+18.67	201.29 69.34 LT
8	12+38.69	200.86 69.39 LT
9	12+58.70	200.41 69.45 LT
10	12+78.70	199.44 69.55 LT
11	12+98.68	199.44 69.7 LT
12	13+18.66	198.91 69.83 LT
13	13+38.61	198.36 69.95 LT
14	13+58.64	197.84 70.08 LT
15	13+78.57	197.29 70.19 LT
16	13+94.07	196.8 70.38 LT

Notes:
2.30% Slope Overall
1.4' Drop



PROJECT NOTES

- POTENTIAL VOID LOCATIONS SHOWN FOR EXPLANATION PURPOSES ONLY.
- CULVERT LINER SHALL BE CONSTRUCTED AT A CONSTANT SLOPE TO ELIMINATE THE SAG IN THE EXISTING CULVERT.

FILL ANNULAR SPACE BETWEEN PROPOSED CORRUGATED HDPE LINER AND EXISTING CMP WITH MORTAR, TYPE 1/4 PAID UNDER ITEM 900.640, SPECIAL PROVISION (CORRUGATED PIPE LINER HDPE)

VOIDS ABOVE CENTER OF CULVERT SHALL BE FILLED WITH ITEM 900.608 SPECIAL PROVISION (CONTROLLED DENSITY (FLOWABLE) FILL)
EXISTING VOIDS (SEE NOTE 1)
VOIDS BELOW CENTER OF CULVERT SHALL BE FILLED WITH ITEM 541.31 CONCRETE, CLASS D

PROJECT NAME: SO. BURLINGTON - COLCHESTER
PROJECT NUMBER: IM CULV (23)
FILE NAME: z09q046pr-o02.dgn
PROJECT LEADER: D. BENOIT
DESIGNED BY: B. COLBURN
PROFILE SHEET - SOUTH BURLINGTON 69-1
PLOT DATE: 08-FEB-2011
DRAWN BY: M. LOVETT
CHECKED BY: D. BENOIT
SHEET 8 OF 36