

**REVIEWER NOTES:**

1. ALL WORK WILL BE PERFORMED ON THE BRIDGE DECK AND ROADWAY.
2. THERE ARE NO IN-STREAM OR WETLAND IMPACTS.
3. THERE IS LESS THAN ONE ACRE OF EARTH DISTURBANCE.
4. ALL WORK WILL BE ACCOMPLISHED WITHIN THE EXISTING RIGHT-OF-WAY.

# STATE OF VERMONT AGENCY OF TRANSPORTATION



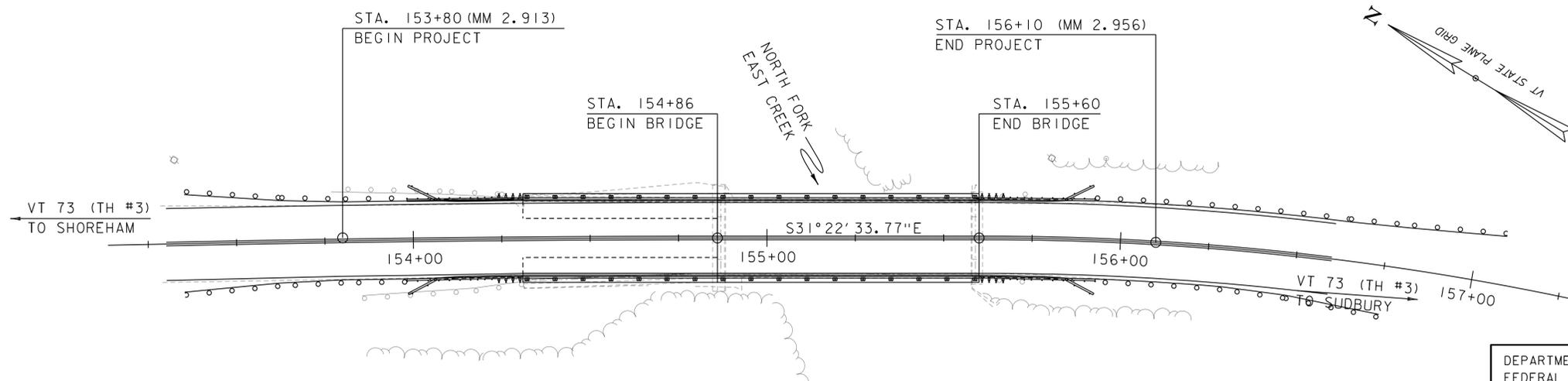
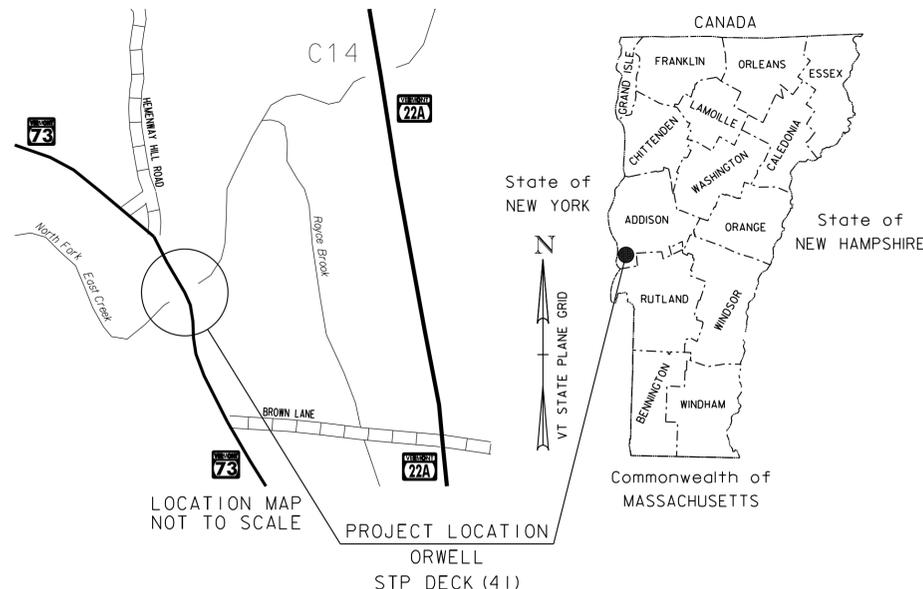
## PROPOSED IMPROVEMENT BRIDGE PROJECT TOWN OF ORWELL COUNTY OF ADDISON

### VT ROUTE 73 (TH #3) (MAJOR COLLECTOR) BRIDGE NO. 4

**PROJECT LOCATION:** LOCATED IN THE TOWN OF ORWELL, ON VT 73 (TH #3), APPROXIMATELY 2.940 MILES EASTERLY OF THE SHOREHAM/ORWELL TOWN LINE.

**PROJECT DESCRIPTION:** WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REPLACEMENT OF THE EXISTING BRIDGE DECK INCLUDING RELATED APPROACH WORK.

**LENGTH OF STRUCTURE:** 74.00 FEET  
**LENGTH OF ROADWAY:** 156.00 FEET  
**LENGTH OF PROJECT:** 230.00 FEET



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

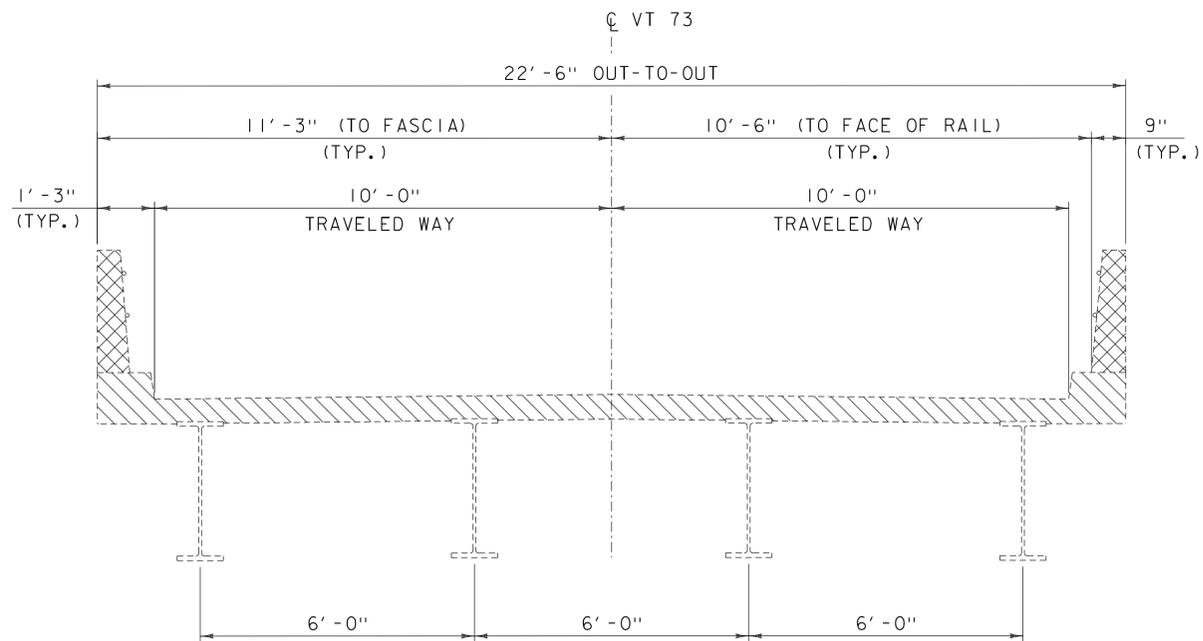
QUALITY ASSURANCE PROGRAM : LEVEL 2
SURVEYED BY : CLD
SURVEYED DATE : 09/21/2015
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE 1" = 20' - 0"



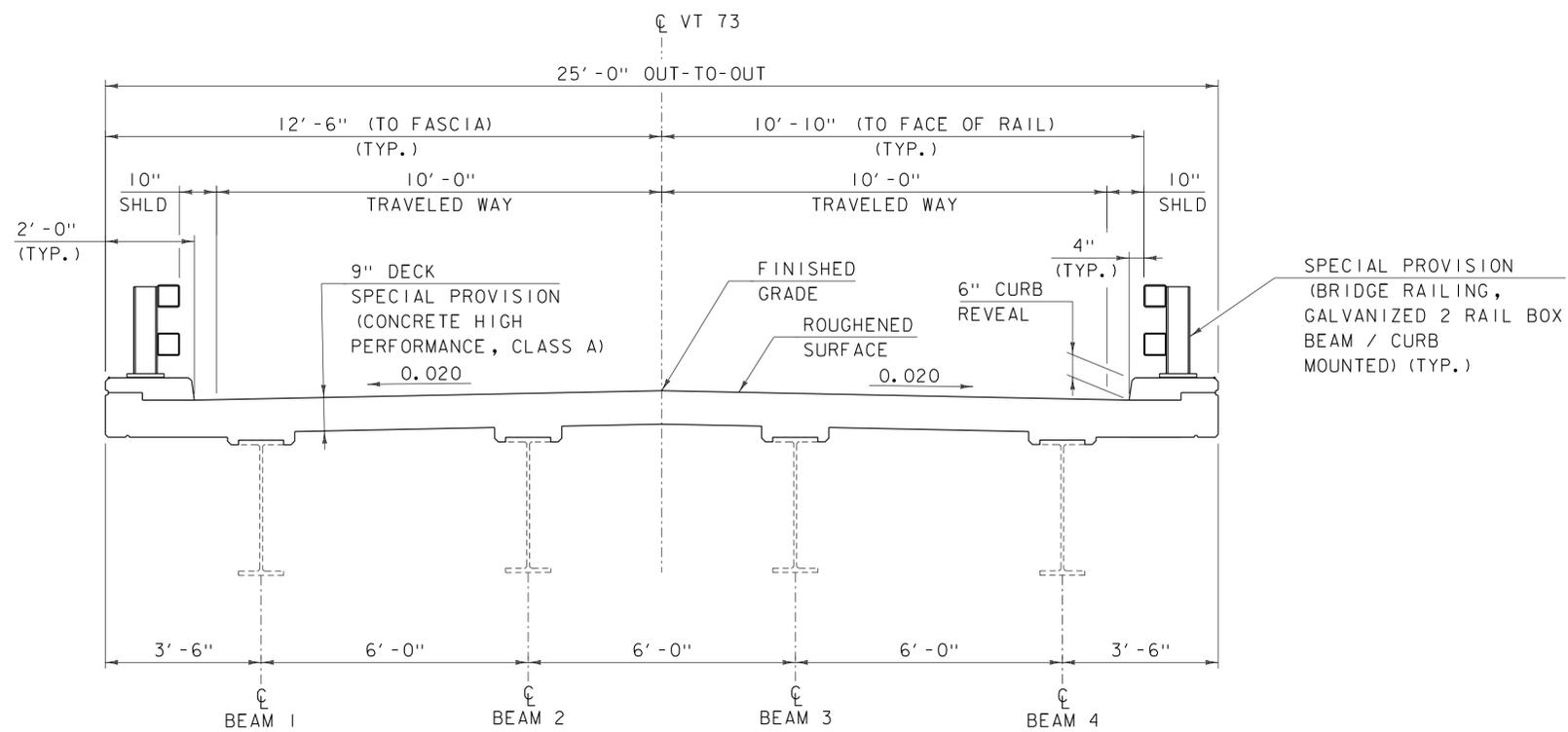
540 Commercial Street  
 Manchester, NH 03101  
 (603) 668-8223  
 www.cldengineers.com

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR	
APPROVED _____	DATE _____
DIRECTOR OF PROJECT DELIVERY	
APPROVED _____	DATE _____
PROJECT MANAGER : JENNIFER FITCH, P.E.	
PROJECT NAME :	ORWELL
PROJECT NUMBER :	STP DECK (41)
SHEET 1 OF	SHEETS



**EXISTING TYPICAL BRIDGE SECTION**

SCALE: 1/2" = 1'-0"



**TYPICAL BRIDGE SECTION**

SCALE: 1/2" = 1'-0"

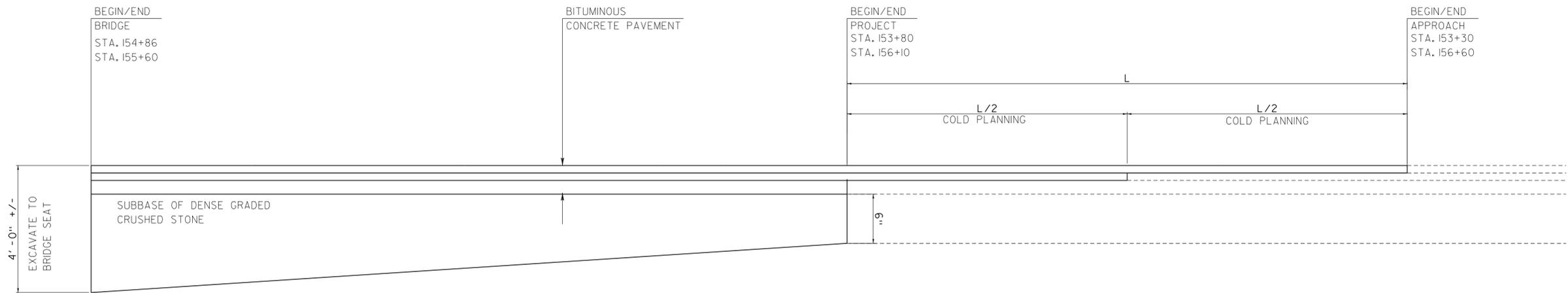
CLD 15-0223 MODEL: TYP01



PROJECT NAME: ORWELL  
PROJECT NUMBER: STP DECK(4I)

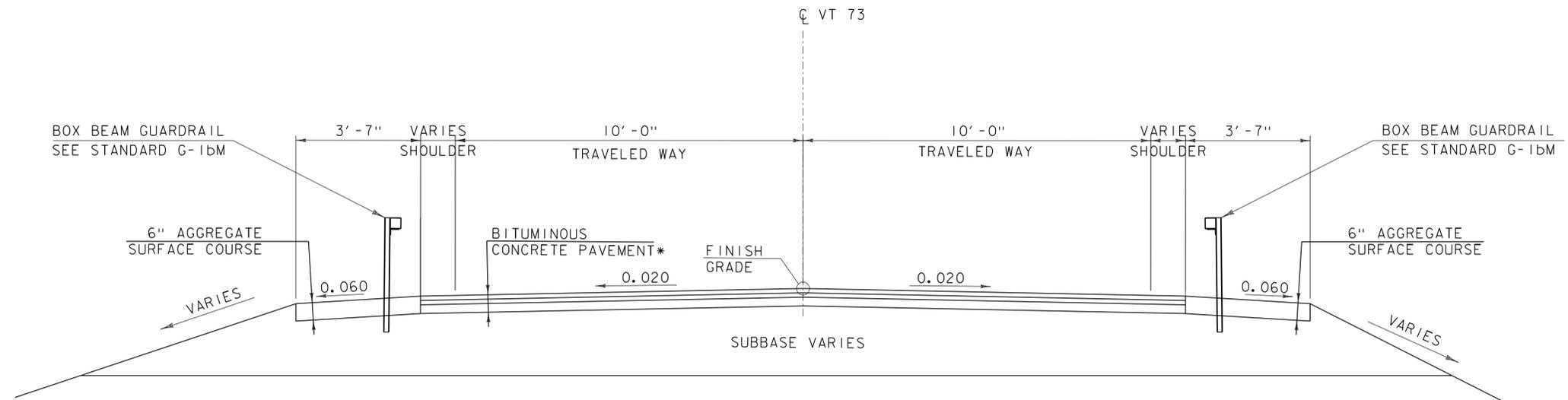
FILE NAME: z15bl08typ-4.dgn  
PROJECT LEADER: J. BYATT  
DESIGNED BY: N. CARON  
TYPICAL BRIDGE SECTIONS SHEET

PLOT DATE: 11/13/2015  
DRAWN BY: M. SMITH  
CHECKED BY: J. BYATT  
SHEET 2 OF 4



MATERIAL TRANSITION DIAGRAM  
NOT TO SCALE

- \*1 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS
- 1 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS
- 3" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IIS
- 2' SUBBASE OF DENSE GRADED CRUSHED STONE (VARIES)



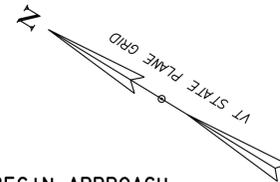
VT 73  
TYPICAL SECTION  
NOT TO SCALE

PROJECT NAME: ORWELL  
PROJECT NUMBER: STP DECK(41)

FILE NAME: z15b108typ-4.dgn  
PROJECT LEADER: J. BYATT  
DESIGNED BY: L. GREER  
ROADWAY TYPICAL DETAILS SHEET

PLOT DATE: 11/13/2015  
DRAWN BY: J. FOWLER  
CHECKED BY: J. FRYER  
SHEET 3 OF 4

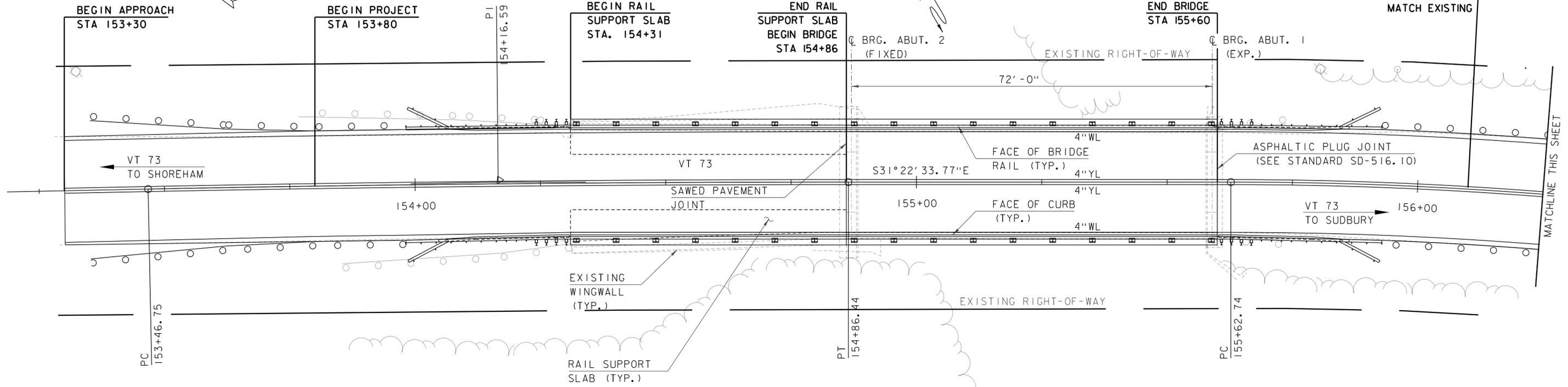




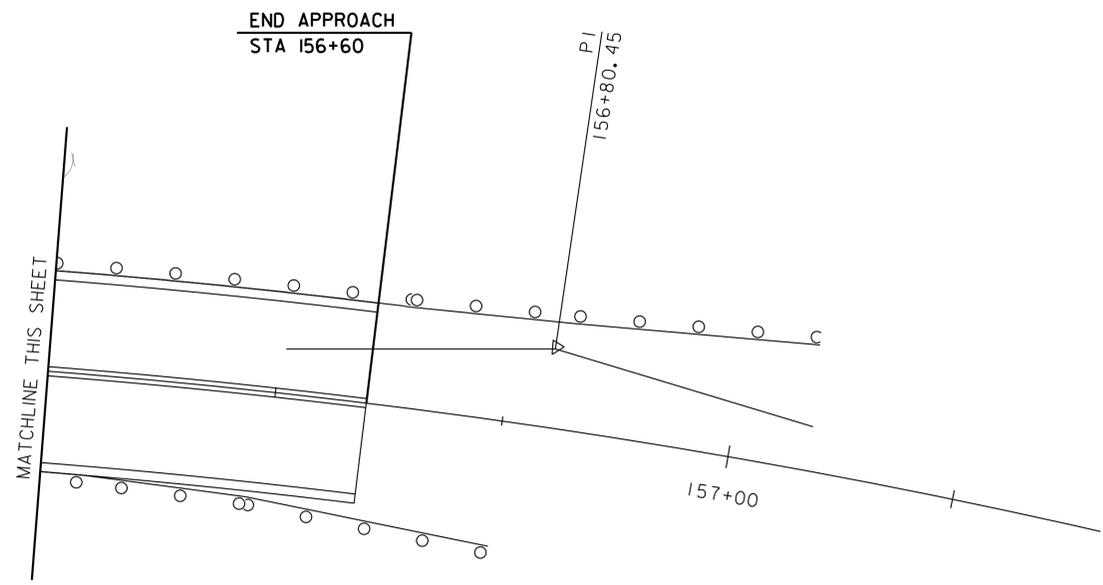
CURVE (1)  
 DELTA = 1°08'36" RT  
 D = 0°49'07"  
 R = 7000.00'  
 T = 69.85'  
 L = 139.69'  
 E = 0.35'

CURVE (2)  
 DELTA = 16°44'30" RT  
 D = 7°09'43"  
 R = 800.00'  
 T = 117.72'  
 L = 233.76'  
 E = 8.61'  
 PI = STA 156+80.45

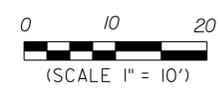
END PROJECT  
 STA 156+10  
 BEGIN 50' PAVEMENT TRANSITION  
 MATCH EXISTING



EXISTING BRIDGE DATA:  
 ROLLED BEAMS, CONCRETE DECK  
 LENGTH = 72'-0"  
 WIDTH = 22'-6" RAIL TO RAIL  
 BUILT IN 1947



CLD\_15-0223 MODEL: Layout 1



PROJECT NAME: ORWELL	PLOT DATE: 11/13/2015
PROJECT NUMBER: STP DECK(4I)	DRAWN BY: P. McKECHNIE
FILE NAME: z15bl08bdr-4.dgn	CHECKED BY: J. FRYER
PROJECT LEADER: J. BYATT	SHEET 4 OF 4
DESIGNED BY: L. GREER	
LAYOUT SHEET	