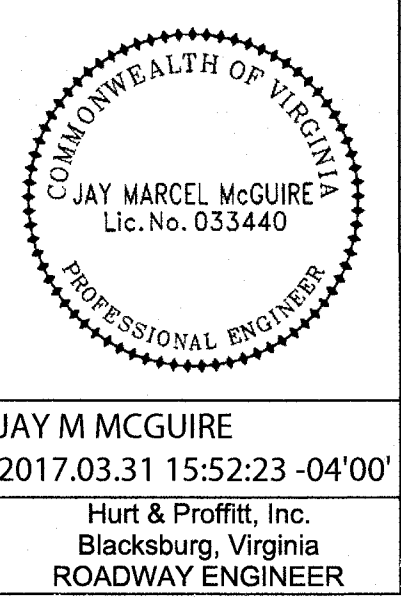


PROJECT MANAGER R. Edward Coke, P.E., Salem S&B (540) 387-5221
SURVEYED BY and DATE COMPLETED Gary Brant, L.S., Salem L&D (540) 387-5227, August 23, 2011
DESIGNED BY Jay M. McGuire, P.E., Anderson & Associates, Inc. (540) 552-5592
SALEM DISTRICT DESIGN UNIT

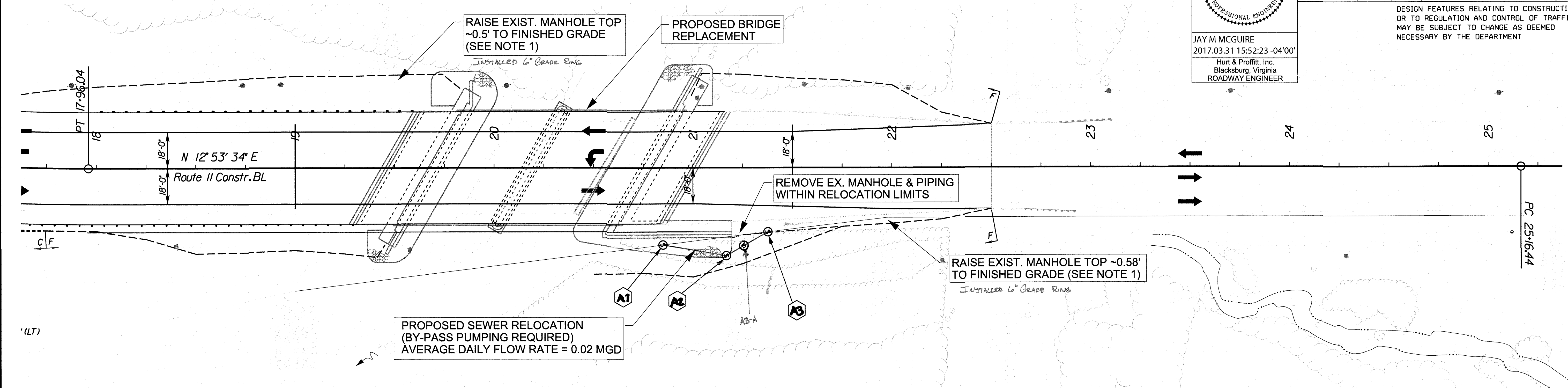
UTILITY RELOCATION PLAN



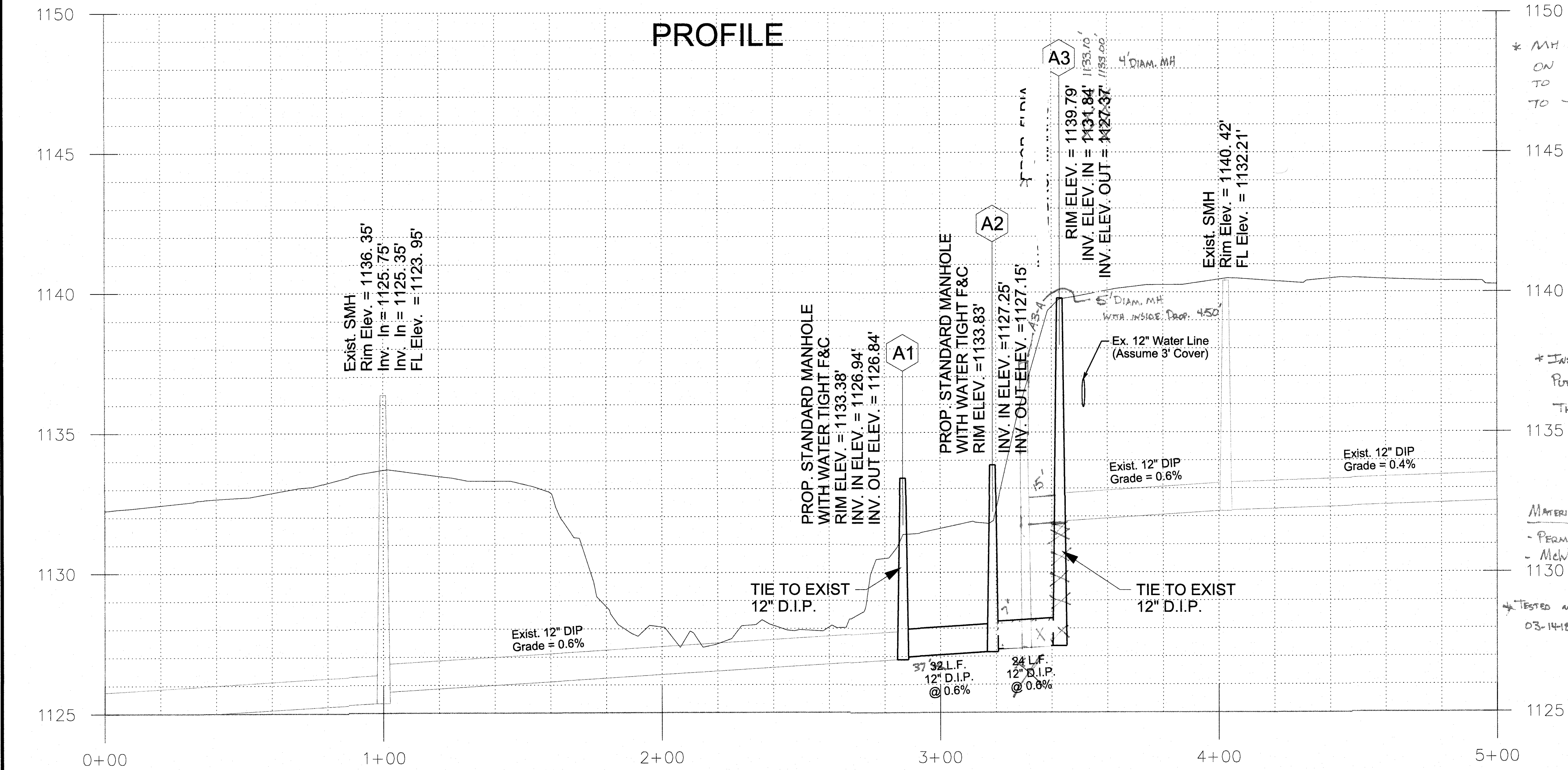
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	11	0011-011-109, M-501, R-201	5(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

JAY M MCGUIRE
2017.03.31 15:52:23 -04'00'
Hurt & Proffitt, Inc.
Blacksburg, Virginia
ROADWAY ENGINEER



PROFILE



* MH A3 HAD A 2.00' RISER INSTALLED ON 08-08-18 TO RAISE THE RIM ELEVATION TO MATCH THE NEW ROAD /APPROACH TO THE BRIDGE GRADE.

* INSTALLED EXTRA SMH A3-A, 5' DIAM MH. PUT INSIDE DROP IN THIS MH INSTEAD OF A3. THERE WAS CONCERN DIGGING OUT SO DEEP AT ORIGINAL DESIGN ELEVATION ON MH A3 DUE TO ADJACENT 12" WATERLINE AND IT BLEWING OUT.

MATERIALS
- PERMATEL PRE-CAST MHS WITH EXTERIOR COATING.
- McWANE 12" DIP CSST EPOXY COATED

* TESTED NEW LINES AND MHS 03-14-18.

Notes:

- Contractor to verify existing manhole inverts prior to ordering material. If inverts differ from the plans, notify engineer.
- Only 1 foot of adjustment is allowed with grade rings. If a manhole is raised more than 1 foot, the cone section or riser will need to be replaced.
- New Manholes shall have full exterior coating and joint wrap in addition to joint sealant. See WVWA Specification 2.7.A.
- Proposed cofferdam for bridge abutment and retaining wall may be utilized for sanitary sewer construction.
- Raise Existing Manhole is paid for as Adjust Ex. Frame & Cover.
- All work shall be in accordance with the Western Virginia Water Authority Standards & Specifications.
- All earthwork, by-pass pumping, shoring, connections and incidentals shall be included in other items of work.

ESTIMATED UTILITY RELOCATION QUANTITIES

ITEM	DESCRIPTION	UNITS	QUANTITY
09046	MANHOLE MH-1	VF	14
09057	FRAME & COVER MH-1	EA	1
09065	5' DIA. DROP MANHOLE	VF	13
09066	FRAME & COVER MH-1 (WATER TIGHT)	EA	2
42122	12" DI SANITARY SEWER PIPE	LF	56
42765	ADJUST EXIST FRAME & COVER	EA	2

PROJECT
0011-011-109

SHEET NO.
5(1)