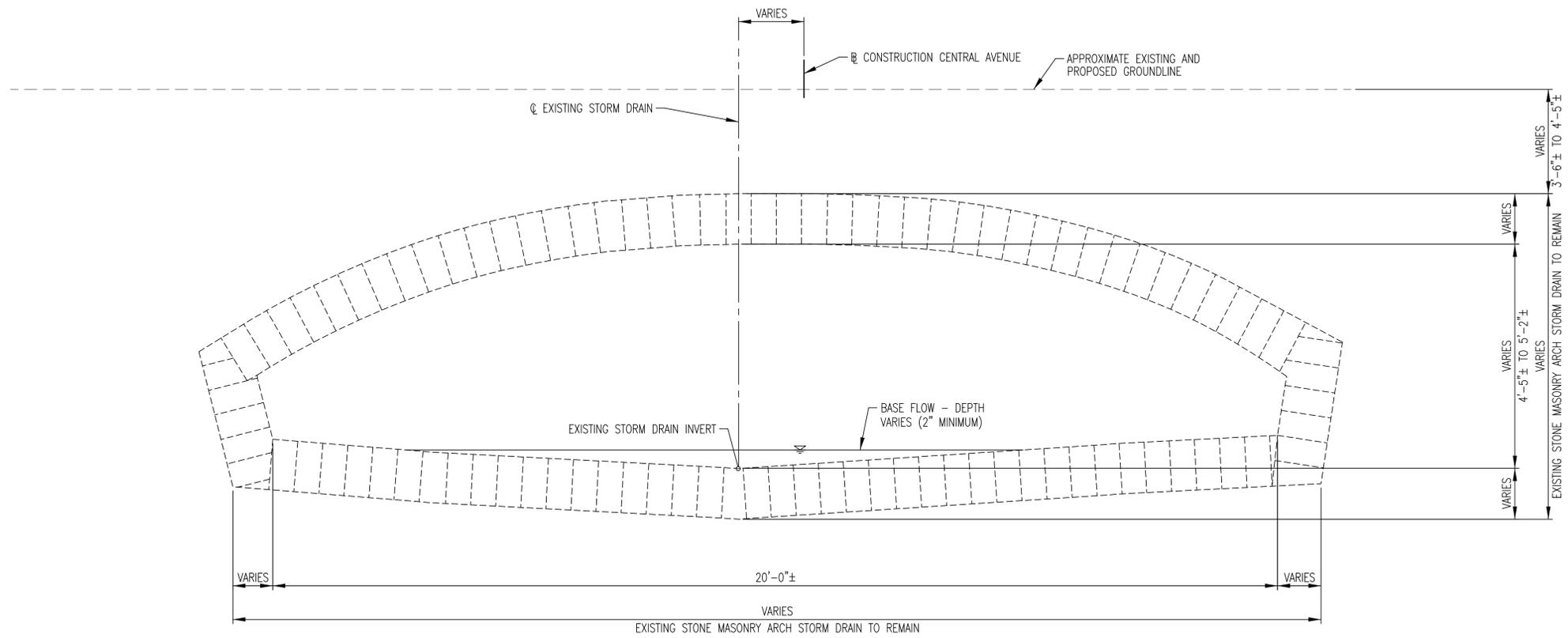
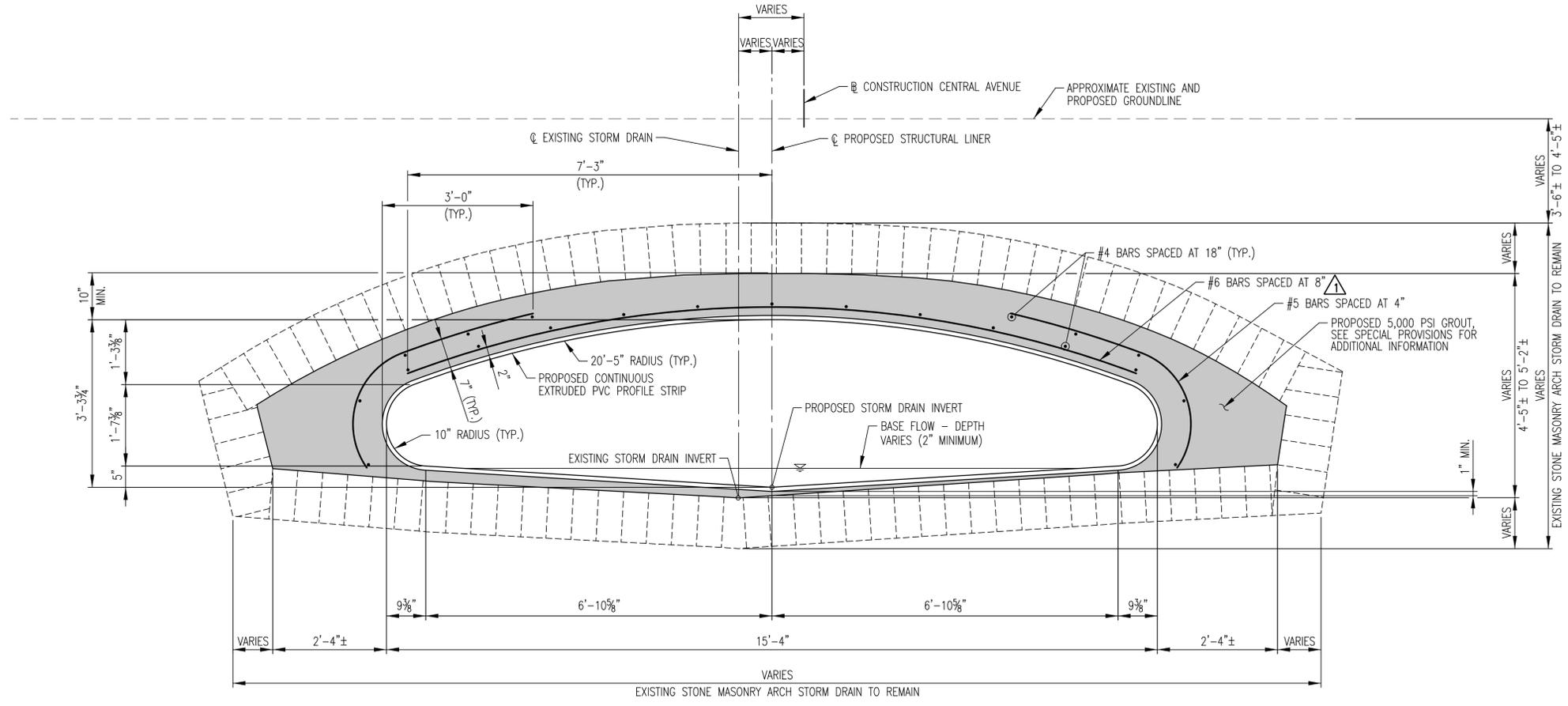


REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	REVISED REINFORCEMENT	9/9/11	SEK



**EXISTING TYPICAL SECTION - EXISTING STONE MASONRY ARCH STORM DRAIN**

SCALE: 3/4" = 1'-0"  
STA. 29+25± TO STA. 30+57±



**PROPOSED TYPICAL SECTION - LINER PIPE TYPE 4**

SCALE: 3/4" = 1'-0"  
STA. 29+25± TO STA. 30+57±

**NOTES:**

1. PROPOSED STRUCTURAL LINER SHALL BE MACHINE SPIRAL WOUND PVC LINER PIPE IN CONFORMANCE WITH THESE PLANS AND THE SPECIAL PROVISIONS.
2. FOR PROPOSED LINER PIPE TYPE LIMITS, SEE DRAWING NOS. SP01 THRU SP15.
3. FOR PROPOSED LINER PIPE TYPES, SEE DRAWING NOS. SP16 THRU SP23.
4. FOR PROPOSED STRUCTURAL LINER DETAILS, SEE DRAWING NOS. SP24 THRU SP26.
5. THE DISTANCE FROM THE CENTERLINE OF THE PROPOSED STRUCTURAL LINER TO THE BASELINE OF CONSTRUCTION VARIES. THE CONTRACTOR SHALL SHIFT THE PROPOSED LINER TO PROVIDE THE MINIMUM DISTANCES BETWEEN THE INSIDE FACE OF THE PROPOSED PVC PROFILE STRIP AND THE INSIDE FACE OF THE EXISTING STORM DRAIN. THE REINFORCEMENT SHALL BE SHIFTED WITH THE PVC PROFILE STRIP.
6. WHEN THE PROPOSED STORM DRAIN INVERT FOR ONE LINER PIPE TYPE IS NOT IN LINE WITH THAT OF AN ADJACENT LINER PIPE TYPE, THE CONTRACTOR SHALL USE A TROWEL GRADE MORTAR TO FEATHER THE LEADING AND TRAILING EDGES OF THE PVC PROFILE LINER STRIPS TO DIRECT THE WATER FROM ONE INVERT TO THE NEXT. THE LENGTH OF THE FEATHERING SHALL NOT EXCEED FIVE FEET. COST SHALL BE INCIDENTAL TO THE MACHINE SPIRAL WOUND PVC LINER PIPE.
7. LAP LENGTH FOR LONGITUDINAL BARS SHALL BE 12 INCHES.
8. REINFORCEMENT SHOP DRAWINGS SHALL SHOW HOW REINFORCEMENT IS TO BE TIED AS WELL AS HOW IT WILL BE HELD IN PLACE IN THE ANNULAR SPACE DURING GROUT PLACEMENT.

APPROXIMATE ANNULAR SPACE FOR GROUT  
36± S.F.

SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

DRAWN BY: S.E.K.  
EXAMINED BY: W.A.G.



SCALE: AS SHOWN DATE: DECEMBER 23, 2010  
TRANSPORTATION ENGINEERING & CONSTRUCTION DIVISION SHEET 169R OF 242

CITY OF BALTIMORE  
DEPARTMENT OF TRANSPORTATION  
CONTRACT NO. TR08310  
SHA. NO. BC 320-001-815  
F.A.P. STP-3057(4)N  
REHABILITATION OF CENTRAL AVENUE  
AND STORM DRAIN FROM EASTERN AVENUE  
TO MADISON STREET  
PROPOSED TYPICAL SECTIONS - 4

SP19