RU09

N/A

N/A

STORMWATER SITE STATISTICS		
	EXISTING	PROPOSED
TOTAL DISTURBED AREA (AC)		7.40
TOTAL SITE AREA (AC)	7.40	7.40
IMPERVIOUS AREA (AC)	0.00	1.20
MANAGED TURF AREA (AC)	7.40	6.20
OPEN SPACE / FOREST AREA (AC)	0.00	0.00
RIGHT OF WAY DISTURBANCE (SF)		4,000
KARST PRESENT (Y/N)	UNDETERMINED	UNDETERMINED
		-

	EXISTING	PROPOSED
TOTAL DISTURBED AREA (AC)		7.40
TOTAL SITE AREA (AC)	7.40	7.40
IMPERVIOUS AREA (AC)	0.00	1.20
MANAGED TURF AREA (AC)	7.40	6.20
OPEN SPACE / FOREST AREA (AC)	0.00	0.00
RIGHT OF WAY DISTURBANCE (SF)		4,000
KARST PRESENT (Y/N)	UNDETERMINED	UNDETERMINED

MAINTENANCE OF TRAFFIC NOTES:

HYDROLOGIC UNIT CODE FOR PROJECT SITE (ALPHANUMERIC CODE RU14, ETC)

GENERAL NOTES:

MAXIMUM AVERAGE DEPTH (FT)

LATITUDE (DECIMAL DEGREES XX.XXXX)

LONGITUDE (DECIMAL DEGREES XX.XXXX)

BMP TYPE

1: PROJECT CATEGORY (MINIMUM TMP REQUIREMENTS):

A: THIS WILL BE A CATEGORY 1 PROJECT (MINIMAL LEVEL OF CONSTRUCTION) I. THIS WILL BE PERMITTED WORK.

II. THIS PROJECT WILL INVOLVE TRAFFIC CONTROL DEVICES AND A LANE CLOSURE TO ENSURE SAFE TRAVEL AROUND THE WORK ZONE.

2: SIGNS AND OTHER TRAFFIC CONTROL MEASURES ARE SHOWN GRAPHICALLY FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT SHOWN IN ACTUAL LOCATIONS. G.C. SHALL BE RESPONSIBLE FOR ENSURING THAT ALL SIGNAGE IS PLACED THE CORRECT DISTANCE BEFORE OR AFTER THE WORK ZONE AS SHOWN IN THE WORK AREA PROTECTION MANUAL (LATEST ADDITION) AND AS DICTATED BY THE SPECIFIC SITE. ALL SIGN LOCATIONS SHALL BE COORDINATED WITH

3: IF TRAFFIC CONTROL MEASURES ARE NECESSARY, THE G.C. SHALL PROVIDE VDOT WITH A COMPLETE MAINTENANCE OF TRAFFIC PLAN PRIOR TO COMMENCEMENT OF WORK WITHIN THE EXISTING RIGHT-OF-WAY AND THE G.C. SHALL ULTIMATELY BE RESPONSIBLE FOR ENSURING SAFE TRAVEL AROUND ALL WORK AREAS.

4: PUBLIC COMMUNICATION PLAN A. ROANOKE COUNTY

> 1. SALEM TRAFFIC OPERATIONS CENTER (540) 375-0170* *THE TOC SHALL BE NOTIFIED OF PROPOSED LANE CLOSURES AT THE

BEGINNING AND END OF EACH WORK DAY. 2. ROANOKE COUNTY POLICE (540) 777-8601

3. ROANOKE COUNTY FIRE & RESCUE (540) 777-8701

4. ROANOKE COUNTY COMMUNICATION CENTER (540) 562-3265

5. ROANOKE COUNTY SCHOOLS - DR. LORRAINE LANGE (540) 562-3900 6. ROANOKE COUNTY BOARD OF SUPERVISORS ADMINISTRATOR OFFICE (540) 772-2003

7. VIRGINIA STATE POLICE (540) 375-9500

TRAFFIC CONTROL NOTES:

1: THE G.C. SHALL COORDINATE DIRECTLY WITH VDOT TO DETERMINE IF MAINTENANCE OF TRAFFIC MEASURES ARE NECESSARY FOR THE PROJECT. THESE TRAFFIC CONTROL NOTES SHALL APPLY FOR ANY MAINTENANCE OF TRAFFIC ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE VIRGINIA WORK AREA PROTECTION MANUAL.

2: G.C. SHALL CONTACT THE VDOT REPRESENTATIVE IN WRITING WITH A WORK SCHEDULE TWO WEEKS BEFORE STARTING WORK. THE VDOT REPRESENTATIVE WILL DETERMINE IF POLICE PATROL IS NECESSARY FOR TRAFFIC

3: THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF CONSTRUCTION WITH VDOT.

4: TRAFFIC CONTROL DEVICES/SIGNAGE SHALL BE PROVIDED ALONG MILLWHEEL DRIVE AND RUSSLEN DRIVE AS NECESSARY. SPACING MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH VDOT APPROVAL.

5: ANY PAVEMENT MARKINGS CONFLICTING WITH TRAFFIC PATTERNS SHALL BE ERADICATED AND RE-STRIPED AS NECESSARY.

6: WHEN WORK IS NOT BEING PERFORMED, THE CLEAR ZONE OF THE ROADWAY SHALL BE FREE OF STORED MATERIALS AND PARKED EQUIPMENT.

7: ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE MUTCD (LATEST EDITION), THE VIRGINIA WORK AREA PROTECTION MANUAL (LATEST EDITION), AND AS DIRECTED BY VDOT AND SHALL COMPLY WITH ALL REGULATIONS PROVIDED IN THE ENTRANCE PERMIT.

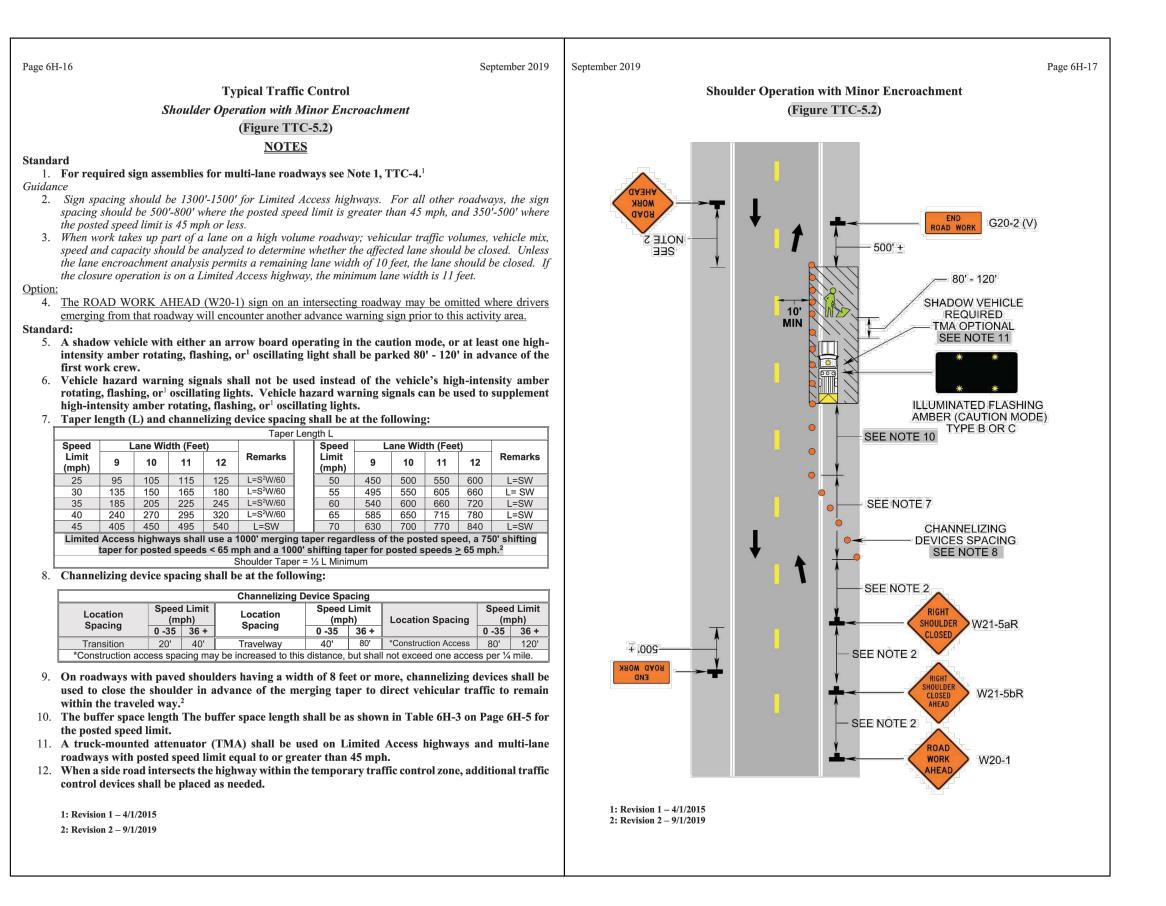
8: THE SPEED LIMIT ON THESE ROADWAYS IS 25 MPH. ALL TAPER LENGTHS, BUFFER LENGTHS, AND CHANNELIZING SHALL BE BASED ON THIS SPEED.

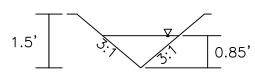
9: NO WORK SHALL BE PERFORMED ON-SITE UNTIL AN ENTRANCE PERMIT HAS BEEN ISSUED FOR THE SUBJECT

10: SAFE ACCESS TO ALL EXISTING PUBLIC ROADWAYS SHALL BE MAINTAINED AT ALL TIMES.

11: CHANNELIZING DEVICES SUCH AS CONES OR BARRELS SHALL BE UTILIZED WHERE REQUIRED AND FOLLOW THE WORK AREA PROTECTION MANUAL.

12: G.C. SHALL MAINTAIN ALL EXISTING ROADWAY SIGNAGE.





RIP RAP LINING

2YR VELOCITY = 6.02 fps 10YR DEPTH = 0.85' DITCH A DETAIL

DESIGN FLOW DEPTH

PERMANENT DIVERSION

-NO LINING REQUIRED

2YR VELOCITY = 3.81 fps 10YR DEPTH = 0.70'

PERMANENT DIVERSION DETAIL

10% SETTLEMENT

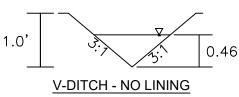
REQUIRED

2YR VELOCITY = 2.66 fps 10YR DEPTH = 0.38'

DITCH B DETAIL

REQUIRED

2YR VELOCITY = 1.75 fps 10YR DEPTH = 0.19' DITCH C DETAIL



REQUIRED 2YR VELOCITY = 3.53 fps 10YR DEPTH = 0.46'

DITCH D DETAIL

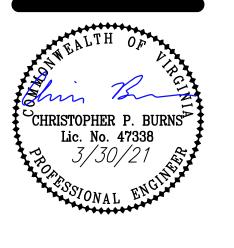
Harrisonburg / Lynchburg www.balzer.cc 1208 Corporate Circle

Roanoke, VA 24018 540.772.9580

ENGINEERS / SURVEYORS

Roanoke / Richmond

New River Valley / Staunton



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NOL

SE

AKS

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DRAWN BY

DESIGNED BY

CHECKED BY

DATE SCALE

REVISIONS

3/8/2021

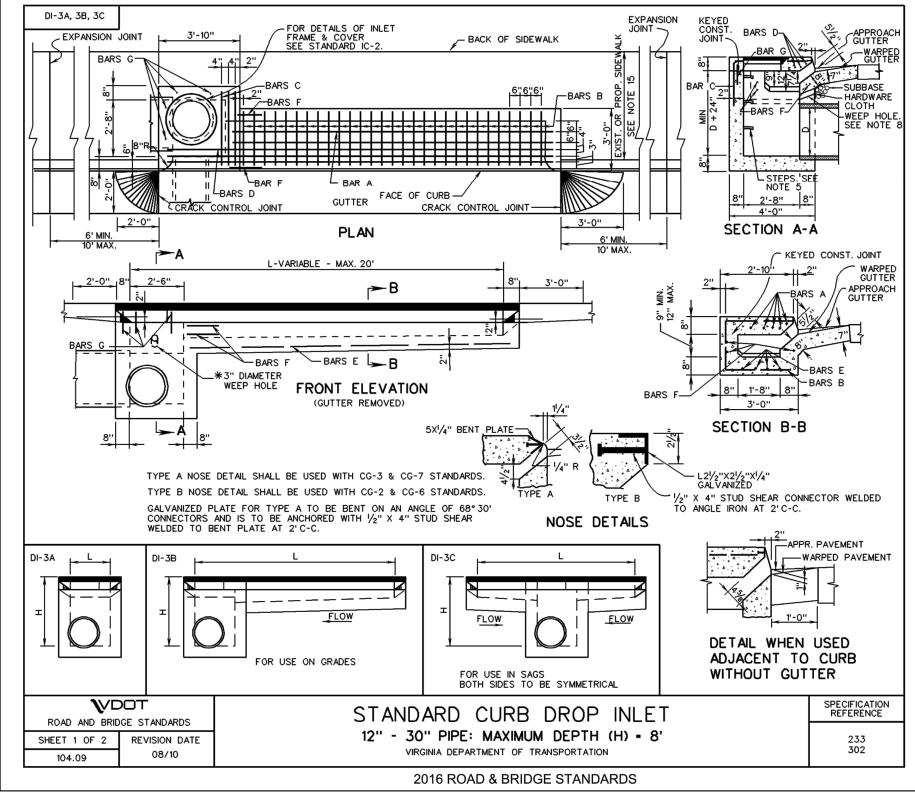
3/30/2021

CPB

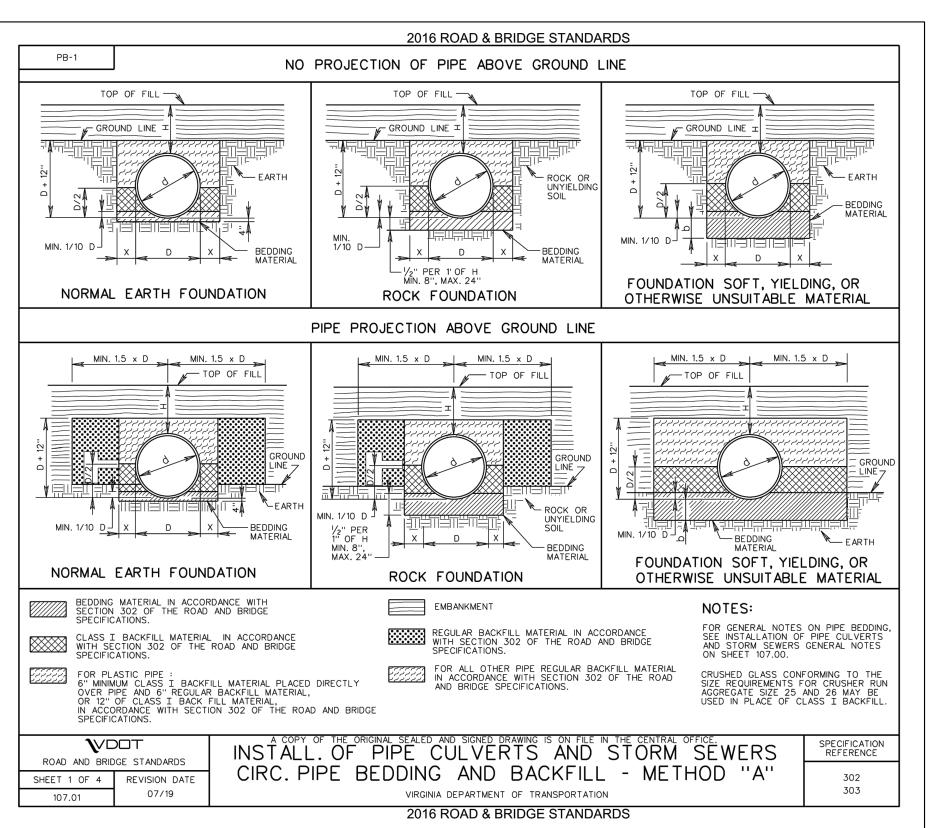
CPB

N/A

1/6/2021



2016 ROAD & BRIDGE STANDARDS



** NOTE: #57 AGGREGATE IS NOT AN ALLOWABLE BACKFILL OR PIPE BEDDING MATERIAL **