

ASPHALT SURFACE LAYER --- NOTE 6 ASPHALT BASE BASE NOTE 2 \_\_\_\_ 1. ALL PAVEMENTS SHALL BE SAW CUT WITH NEAT, UNIFORM LINES PRIOR TO EXCAVATION. 2. PIPE BEDDING MATERIAL SHALL BE CRUSHER RUN (VDOT NO. 25 OR 26) OR OPEN GRADED AGGREGATE (VDOT NO. 57, 68, 7, OR 8). ALTERNATE MATERIAL MUST BE APPROVED BY THE TRANSPORTATION DIVISION INSPECTOR. 3. MAXIMUM DEPTH OF PIPE BEDDING MATERIAL IF USING OPEN GRADED AGGREGATE FOR BEDDING 4. OPTIONAL CONCRETE ENCASEMENT FOR POWER OR COMMUNICATION CONDUIT. PROVIDE A MINIMUM OF 4" CONCRETE COVER FROM ALL SIDES OF CONDUIT. 5. BACKFILL MATERIAL SHALL BE VDOT NO. 21A AGGREGATE OR FLOWABLE FILL

A. AGGREGATE SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 6", AND COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY WITHIN 2 PERCENTAGE POINTS OF OPTIMUM MOISTURE (VTM-1) WITH THE USE OF MECHANICAL TAMPERS OR VIBRATORY ROLLERS. WATER COMPACTION IS NOT PERMITTED. LOCAL MATERIAL CLASSIFIED AS TYPE I SELECT MATERIAL MAY BE USED AS BACKFILL UPON PRICE APPROVAL BY THE TRANSPORTATION DIVISION. SEE STANDARDS FOR ADDITIONAL INFORMATION ON DENSITY AND TESTING REQUIREMENTS.

B. FLOWABLE FILL, IF USED, SHALL MEET THE REQUIREMENTS OF VDOT'S SPECIAL PROVISION FOR FLOWABLE BACKFILL. THE MATERIAL SHALL BE PLANT—CERTIFIED TO PROVIDE A 28—DAY COMPRESSIVE STRENGTH BETWEEN 30 AND 200 PSI. SEE STANDARDS FOR ADDITIONAL INFORMATION ON DENSITY AND TESTING REQUIREMENTS RESTORATION OF ASPHALT PAVEMENT SHALL CONFORM TO SECTION 5.1 OF THE STANDARDS. 7. THE REPAIR SHALL BE RECTANGULAR AND SAW OUT IN STRAIGHT, UNIFORM LINES THAT ARE ALIGNED WITH THE STREET CENTERLINE. WHEN EDGES OF PAVEMENT HAVE BEEN UNDERWINED, PAVEMENT SHALL BE REMOVED TO A NEAT LINE 12° BEYOND THE UNDERWINED AREA. ANY INITIAL PAVEMENT REPAIR WITH AN AREA CREATER THAN 40 SQUARE FEET MAY BE NON-RECTANGULAR, HOWEVER, THE REPAIR SHALL BE SAW CUT IN STRAIGHT, UNIFORM LINES. ANY OTHER DEVIATION ON PATCH SHAPE MUST BE APPROVED BY THE INSPECTOR PRIOR TO THE REPAIR BEING MADE. THE FINISHED PATCH SURFACE SHALL BE WITHIN 1/4 INCH AT ANY POINT ACROSS THE PATCH AS IT RELATES TO THE SURROUNDING STREET SURFACE. 8.A FULL COVERAGE TACK COAT IS REQUIRED ON ALL SURFACES THAT WILL CONTACT THE NEW SURFACE LAYER. DATE: July 1, 2013 UTILITY TRENCH REPAIR UTR-1

> City of Roanoke Planning, Building, & Developme COMPREHENSIVE DEVELOPMENT PLAN

LUMSDEN ASSOCIATES, P.C. ENGINEERS-SURVEYORS-PLANNERS ROANOKE, VIRGINIA

5 R R

PLAI

COMPREHENSIVE

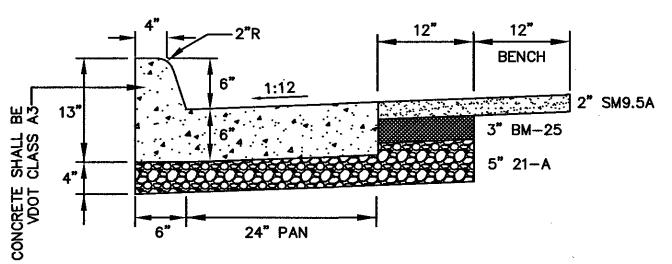
TRIC

DIS

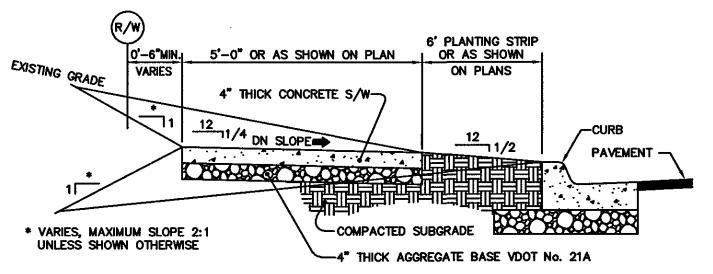
APPROVED

by Adrian Gilbert 05/16/2017

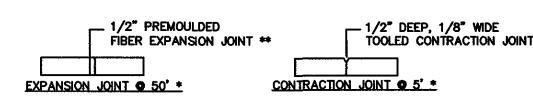
CITY STANDARD CURB RAMP DETAIL



WITH ASPHALT RESTORATION (CG-6)



TYPICAL SIDEWALK with PLANTING STRIP



JOINT DETAILS

\* UNLESS PLAN SHOWS OR SPECIFIES OTHERWISE. \*\* FIBERBOARD SHALL BE TRIMMED TO ALLOW FOR SEALANT. SEE PROJECT MANUAL SPECIFICATIONS FOR THE REQUIRED USE OF SEALANT.

SIDEWALK AND JOINT DETAILS

1/2" DEEP, 1/8" WIDE TOOLED CONTRACTION JOINT

April 6, 2017 NO SCALE

COMMISSION NO: 15-005 SHEET 2A OF 22

**GENERAL NOTES:** 

1. ASPHALT RESTORATION SHOWN IN DETAILS IS FOR NON STRIPED ROADWAYS. FOR ROADWAYS WITH DOUBLE YELLOW STRIPING, (2) 3" COMPACTED LIFTS OF BM-25 BASE ASPHALT IS REQUIRED UNDER THE 2" SURFACE LAYER. DEPENDENT ON THE TOTAL EXTENTS OF ASPHALT RESTORATION, THERE MAY BE FURTHER ASPHALT RESTORATION REQUIREMENTS. REFERENCE THE LATEST REVISION OF THE CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND

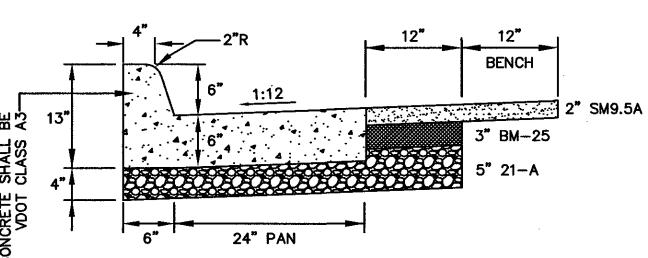
RESTORATION STANDARDS. 2. ALL CONCRETE SHALL BE VDOT A3 WITH VDOT NO. 57 AGGREGATE EXCEPT FOR ENTRANCES WHICH SHALL BE VDOT A3 HIGH EARLY.

3. PROVIDE STRAIGHT, CLEAN SAWCUTS FOR NEW WORK ALONG ALL EXISTING CONCRETE AND ASPHALT ITEMS SUCH AS STREETS, SIDEWALKS. AND DRIVEWAYS. METAL FORMS IN GOOD CONDITION SHALL BE USED. ASPHALT SHALL NOT BE USED AS A FORM FOR NEW CONCRETE WORK.

4. DRIVEWAY RESTORATION SHALL MATCH EXISTING SURFACE TYPE (ASPHALT, GRAVEL, CONCRETE, ETC.) CONTRACTOR SHALL ENSURE A SMOOTH TRANSITION FOR VEHICULAR TRAFFIC.

5. FOR AREAS WHERE EXISTING CURB AND/OR SIDEWALK EXIST, REMOVE EXISTING ITEMS TO THE NEAREST JOINT.

**CURB DETAILS** 



STANDARD 6" CURB AND GUTTER NTS