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PROJECT REFERENCE NO.	SHEET NO.
R-5843	EC-1

Kimley»Horn

NARRATIVE

Project Description

The North Carolina Department of Transporation proposes to provide intersection imporvements along Bryson Walk, Slope Street, Everett Street, Depot Street, Ramseur Street, and to re-align Depot Street and Deep Creek Road. Approximately 0.69 acres will be disturbed during the construction of this project. Also, approximately 0.30 acres will be vegetatively stabilized with grass and permanent plantings.

The intersection improvement project and road relocation in Bryson City is located in Swain County, NC. The project extends approximately 0.34 miles. The proposed curb and gutter typical section will be constructed on an existing two-lane roadway with a eight foot berm.

Site Description

The site is generally rolling and contains some drainage ways that are bordered by moderate to steep slopes. Land use along the roadway is developed and primarily residential and commercial. The majority of the drainage from the project site makes its way through a series of ditches and storm drain systems and outfalls to the south into the Tuckasegee River which empties into Fontana Lake within the Little Tennessee River Basin. No new drainage patterns were introduced. The fill slopes and drainage ditches around the project appear to be stable and do not show signs of significant erosion soils.

Soils

The soil types throughout the project limits are shown in the geotechnical report.

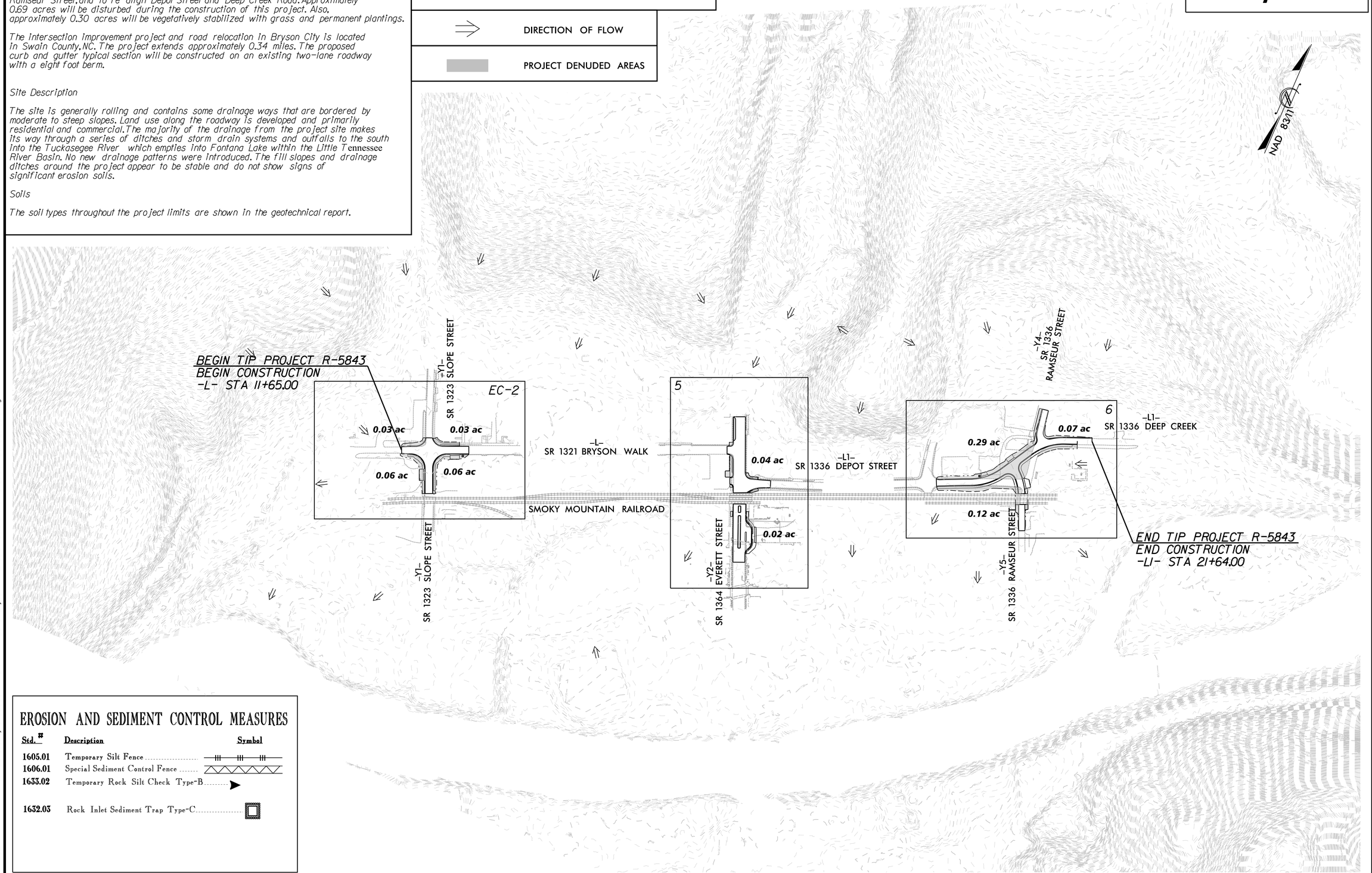
IMPERVIOUS AND PERVIOUS SURFACES IN THE DISTURBED AREA

PROPOSED IMPERVIOUS SURFACE = 0.39 AC
PROPOSED PERVIOUS SURFACE = 0.30 AC

DIRECTION OF FLOW

PROJECT DENUDED AREAS

Total Disturbed Area (shaded) = 0.69 acres



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1633.02	Temporary Rock Silt Check Type-B	
1632.03	Rock Inlet Sediment Trap Type-C	

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12/14/2021