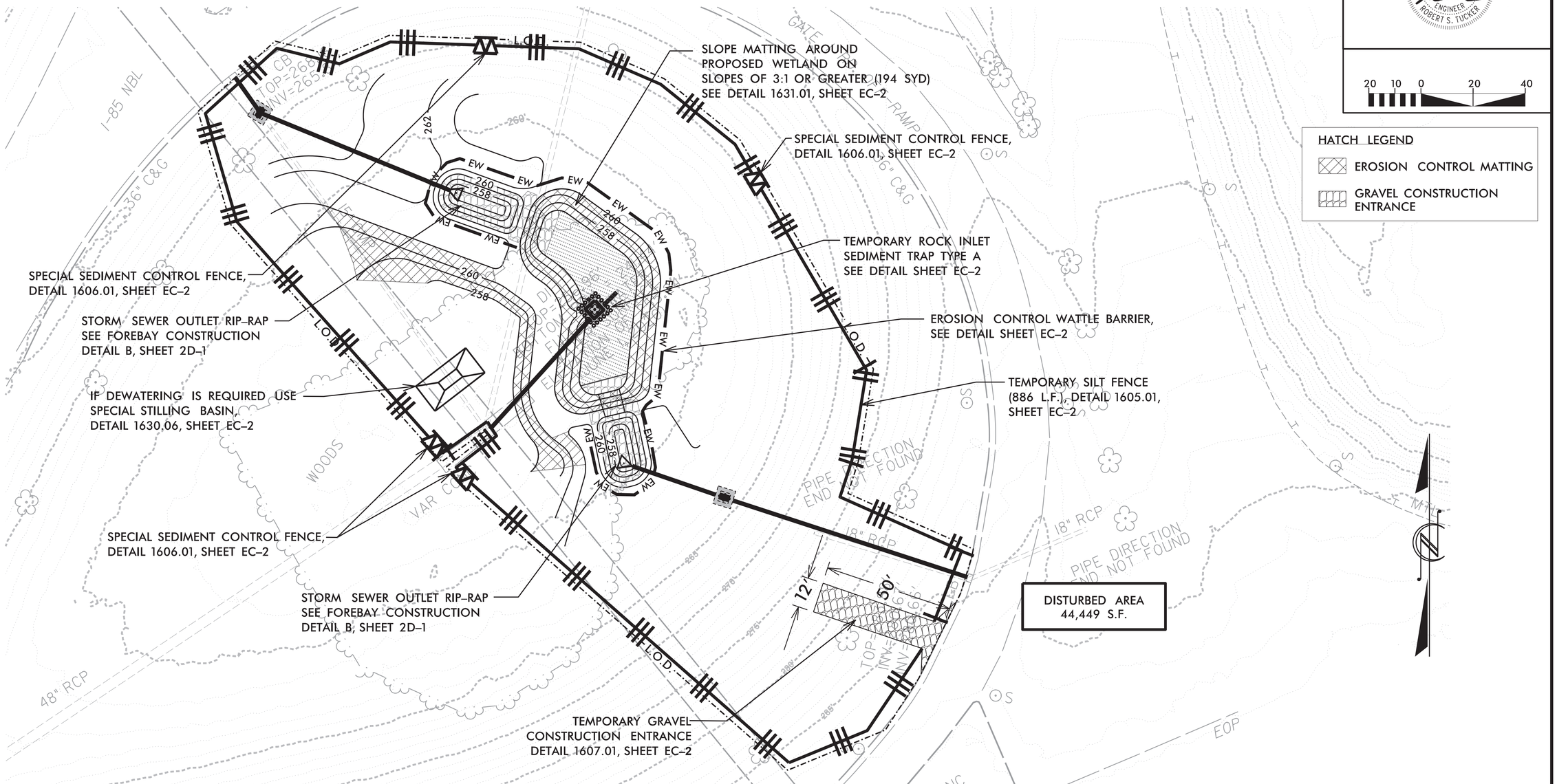
PROJECT REFERENCE NO.	SHEET NO.
R-5968EA	EC-1

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 040377 ENGINEER ROBERT S. TUCKER 9-14-21

SITE 1 EROSION AND SEDIMENT CONTROL PLAN



SITE 1 – EROSION CONTROL NARRATIVE:
THIS PROJECT IS LOCATED WITHIN THE EASTERN INTERCHANGE OFFRAMP OF I-85 AT GATE ONE ROAD IN GRANVILLE COUNTY, NORTH CAROLINA, JUST EAST OF THE TOWN OF BUTNER. CONSTRUCTION INSTALLATION CONSISTS OF A PERMANENT BEST MANAGEMENT PRACTICE (BMP) DESIGNED GRAVEL WETLAND AND ITS ASSOCIATED UTILITY AND GRADING WORK FOR STORMWATER RUNOFF MANAGEMENT AND IMPROVEMENT. EROSION CONTROL MEASURES WILL BE IN ADDITION TO OTHER BMP INSTALLATIONS AT THE SAME INTERCHANGE BUT LOCATED ALONG ITS WESTERN EDGE.

SEDIMENT RUNOFF IS TO BE CONTROLLED DURING CONSTRUCTION BY SILT FENCE, STONE AND GRAVEL INLET PROTECTION, AND TWO FOREBAYS AS SHOWN ON THE PLAN. DRAINAGE FROM THIS SITE IS TRIBUTARY TO NEARBY FALLS LAKE IN THE NEUSE RIVER BASIN.

SITE 1 IS IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD, AS SHOWN ON FEMA FLOODPLAIN MAP PANEL NO. 3720086400L, DATED 12/6/2019.

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