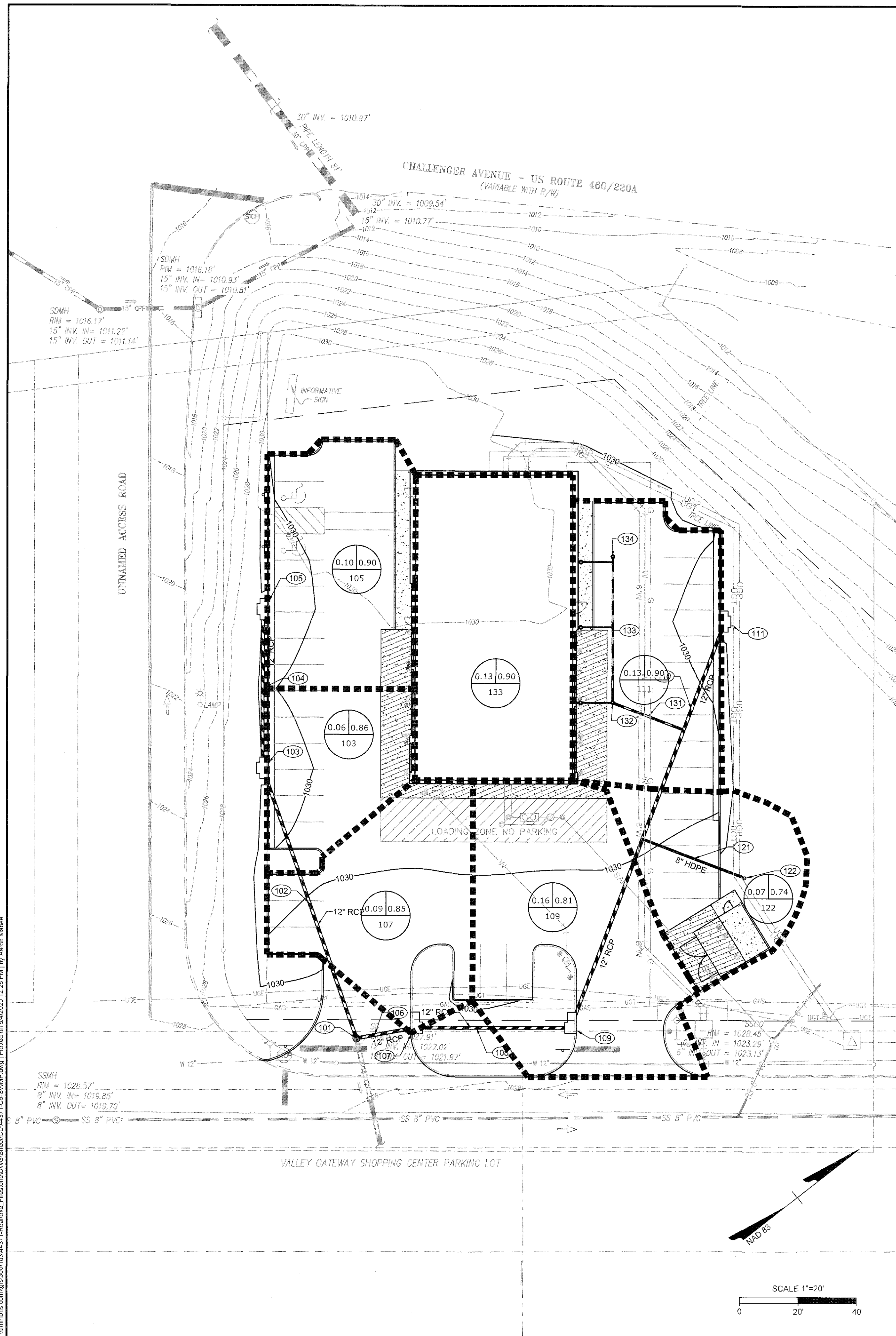


Timmons Group, 3001 S. 44th St., Suite 100, Charlotte, NC 28217, 704.535.5524, Fax 704.535.5517, www.timmons.com



WATER QUANTITY ANALYSIS

STORMWATER QUANTITY FOR THIS OUTLOT HAS BEEN PROVIDED BY AN EXISTING STORAGE PIPE IN THE KROGER DEVELOPMENT. PLANS TITLED "NEW STORE SITE: R-391" AND DATED 06/13/07.

INCLUDED IN KROGER DEVELOPMENT FOR THIS PARCEL

PAVEMENT AREA = 1.19 AC @ C=0.90
LANDSCAPE AREA = 0.13 AC @ C=0.35
TOTAL AREA = 1.32 AC @ C=0.85

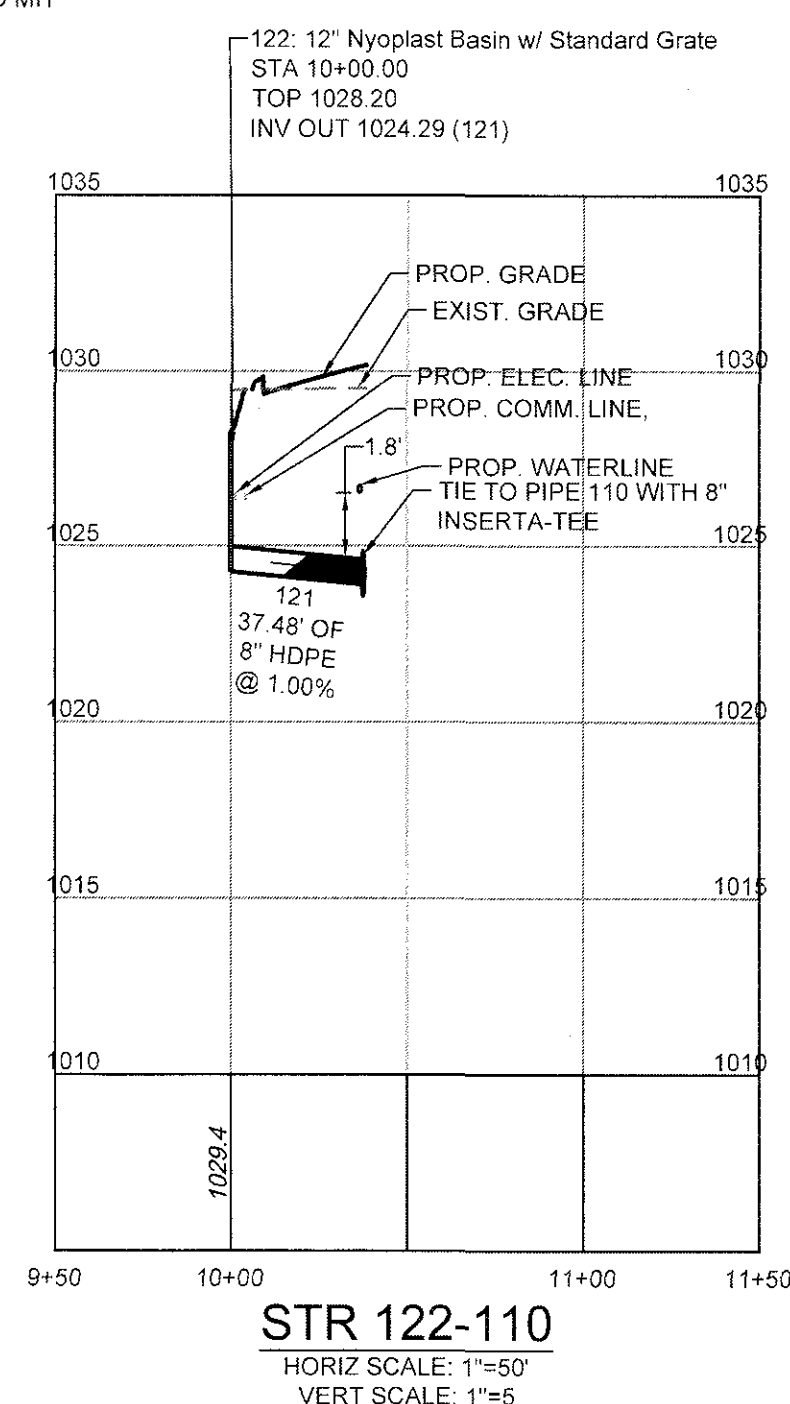
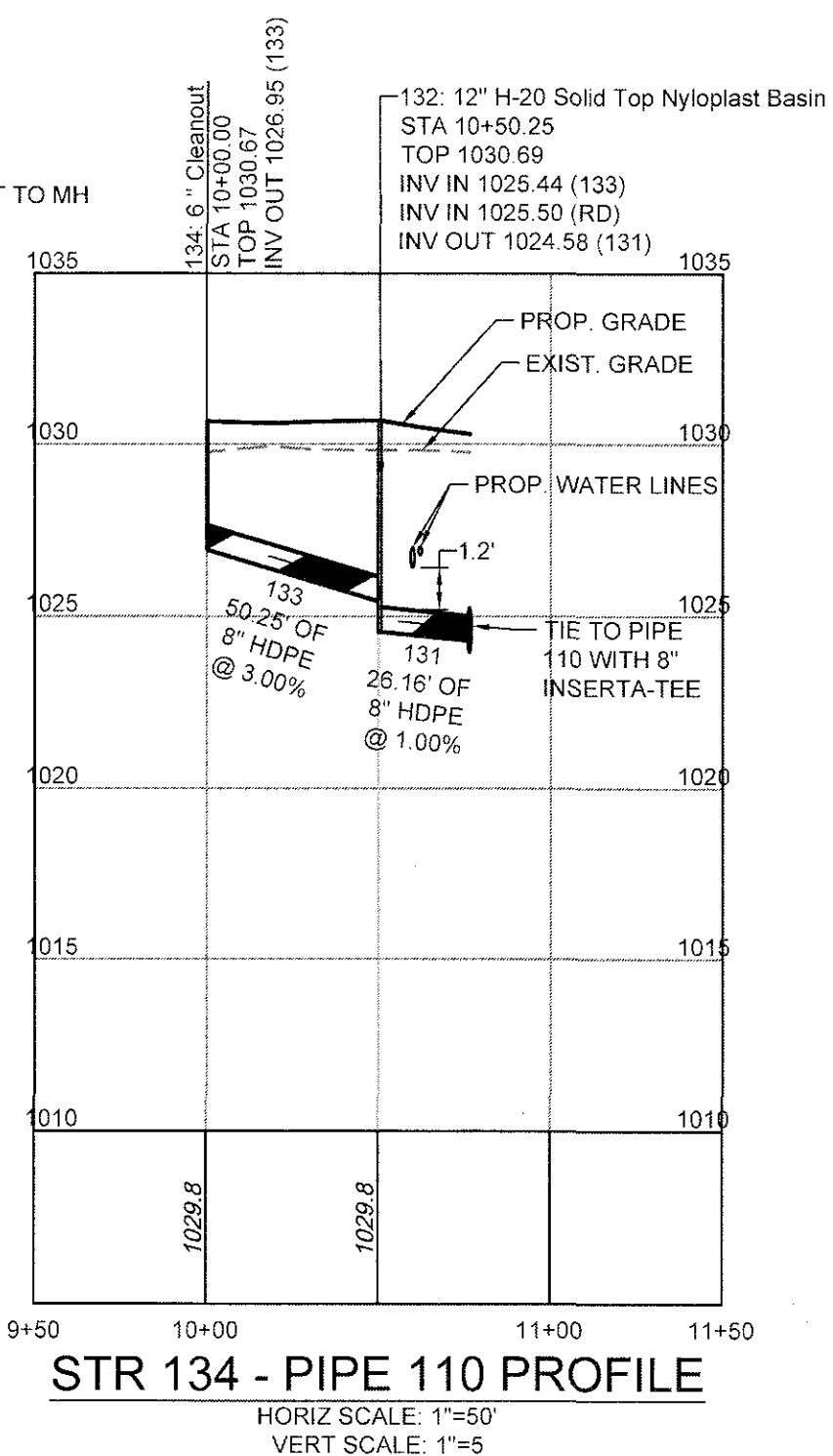
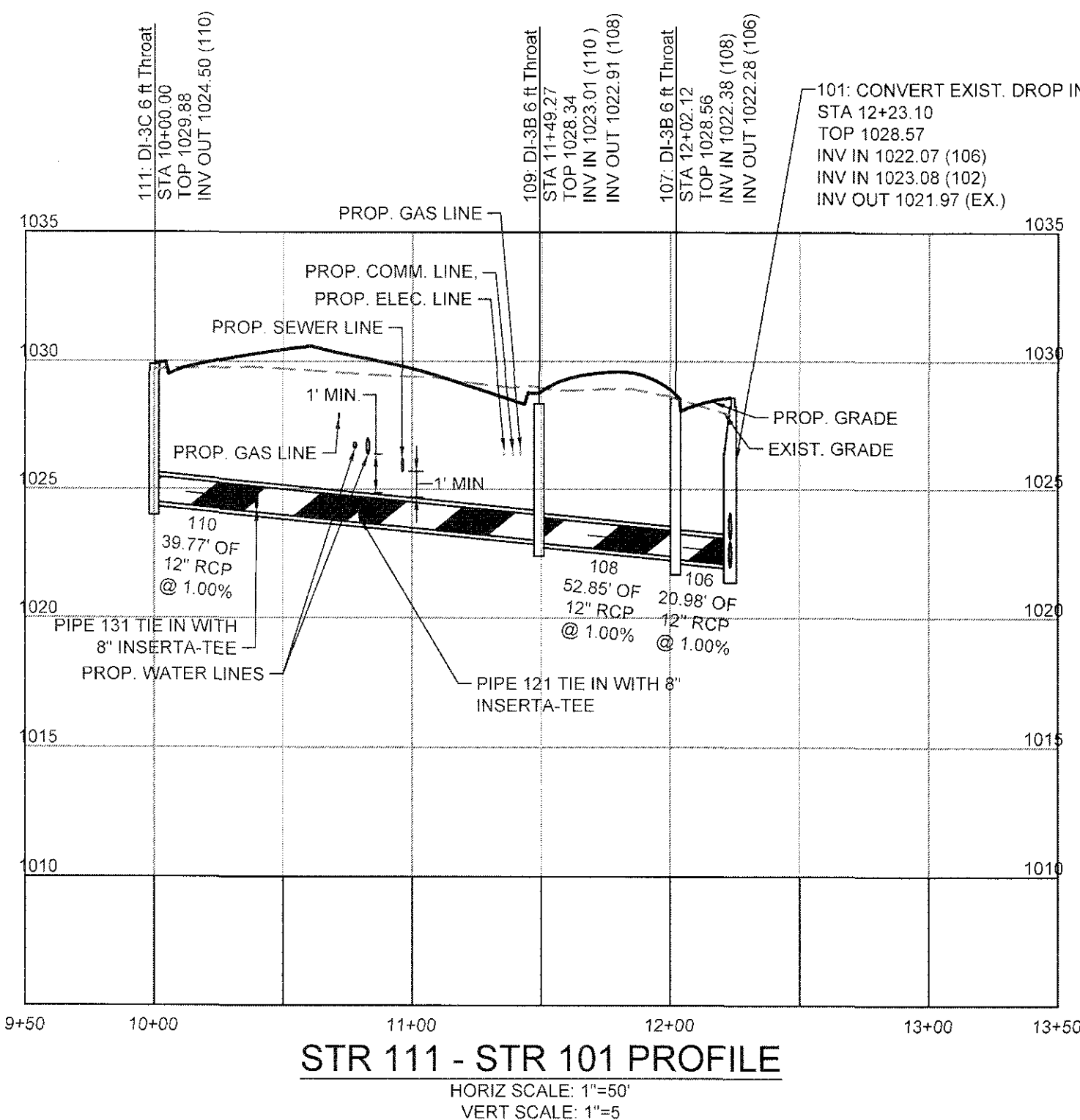
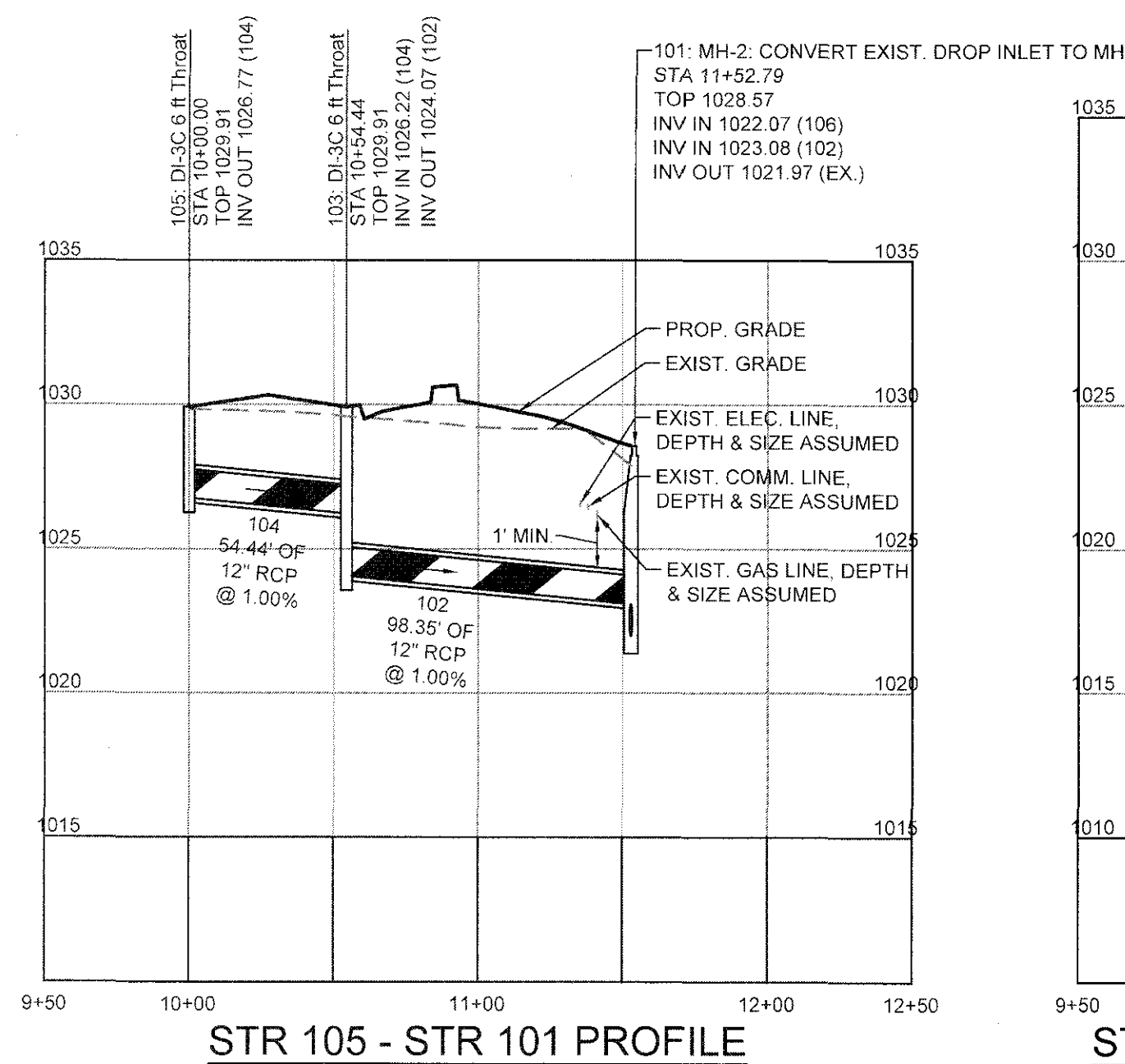
PROPOSED UNDER THIS PROJECT

PAVEMENT AREA = 0.86 AC @ C=0.90
LANDSCAPE AREA = 0.26 AC @ C=0.35
TOTAL AREA = 0.92 AC @ C=0.68

NO ADDITIONAL STORMWATER QUANTITY MEASURES ARE PROPOSED UNDER THIS PROJECT.

NOTE

- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO START OF CONSTRUCTION AND ORDERING MATERIALS.
- PROVIDE MINIMUM 0.5' VERTICAL SEPARATION BETWEEN STORMWATER AND DRY UTILITIES. PROVIDE MINIMUM 1' VERTICAL SEPARATION BETWEEN STORMWATER AND WATER AND SANITARY SEWER.
- ALL PIPES AND INLET MUST BE INSTALLED IN ACCORDANCE WITH VDOT AND MANUFACTURES STANDARDS AND SPECS AND WITH ROANOKE COUNTY STORMWATER DESIGN MANUAL.
- HDPE PIPES SHALL BE INSTALLED IN ACCORDANCE WITH THE ROANOKE COUNTY STORMWATER DESIGN MANUAL CHAPTER 7 APPENDIX 7B INSTALLATION PROCEDURES. CONTRACTOR OR MANUFACTURER SHALL PROVIDE REQUIRED INSPECTIONS AND AS-BUILT DOCUMENTATION TO ROANOKE COUNTY ENGINEER FOR APPROVAL.
- ALL STORM DRAIN STRUCTURES ARE TO RECEIVE VDOT STANDARD INLET SHAPING (IS-1).



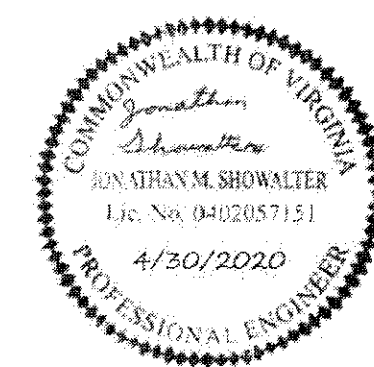
WATER QUALITY ANALYSIS

SITE DATA - NEW DEVELOPMENT

POST DEVELOPED AREA
IMPERVIOUS = 0.86 ACRES
MANAGED TURF = 0.26 ACRES

POST DEVELOPMENT LOAD REDUCTION REQUIRED (TP) = 1.18 (LB/YR)

TREATMENT PROPOSED: 1.18 LB/YR OF STORMWATER CREDITS WILL BE PURCHASED FROM A DEQ-APPROVED CREDIT BANK, IN ACCORDANCE WITH 9VAC25-870-69.



THIS DRAWING PREPARED AT THE
CHARLOTTEVILLE OFFICE
608 Peachtree Avenue, Suite 500, Charlotteville, VA 22903
TEL 534.293.5524 FAX 534.293.5517 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE
3/25/20
REVISION DESCRIPTION
REVISED PER COUNTY COMMENTS
4/30/20

TIMMONS GROUP

ROANOKE FIRESTONE
ROANOKE COUNTY, VIRGINIA
STORMWATER SUMMARY & PROFILES

JOB NO.
44371
SHEET NO.
C6.0

These plans and associated drawings are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, including, but not limited to, construction, bidding, and/or construction taking without the express written consent of TIMMONS GROUP.

APPROVED, 5/21/2020