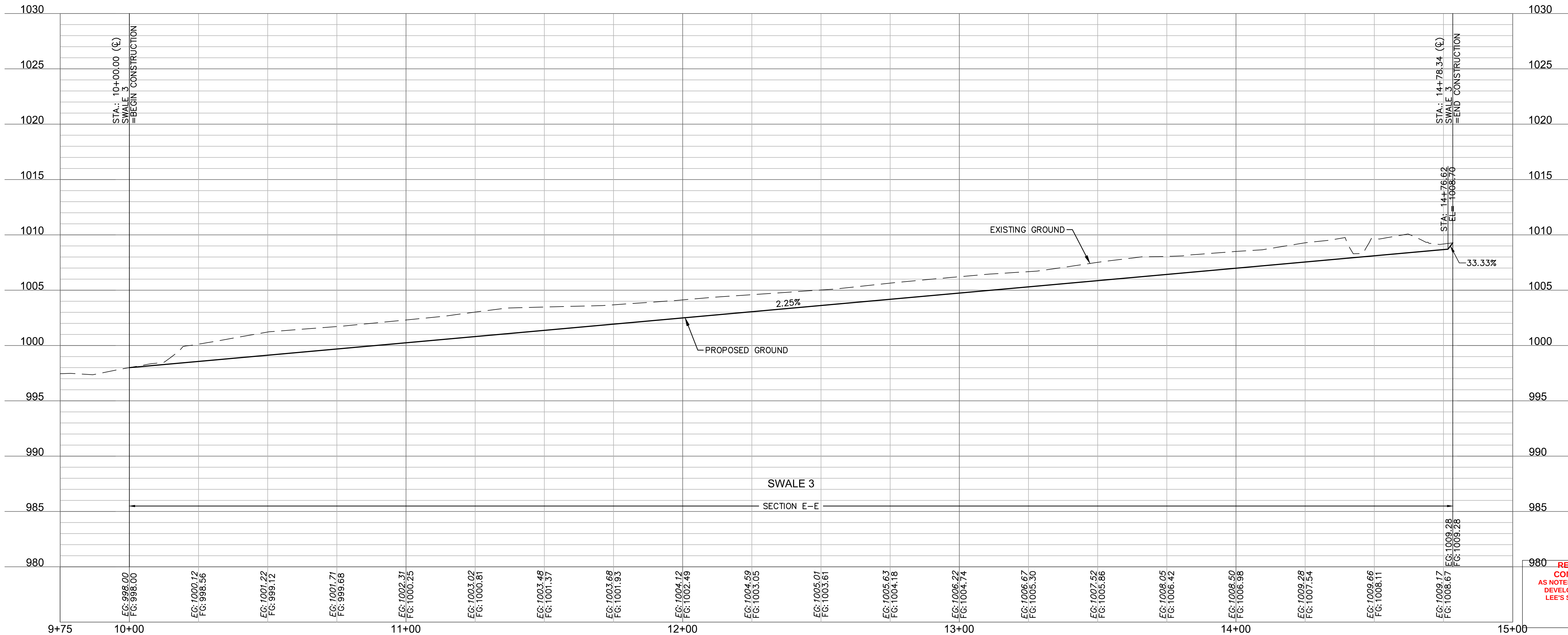
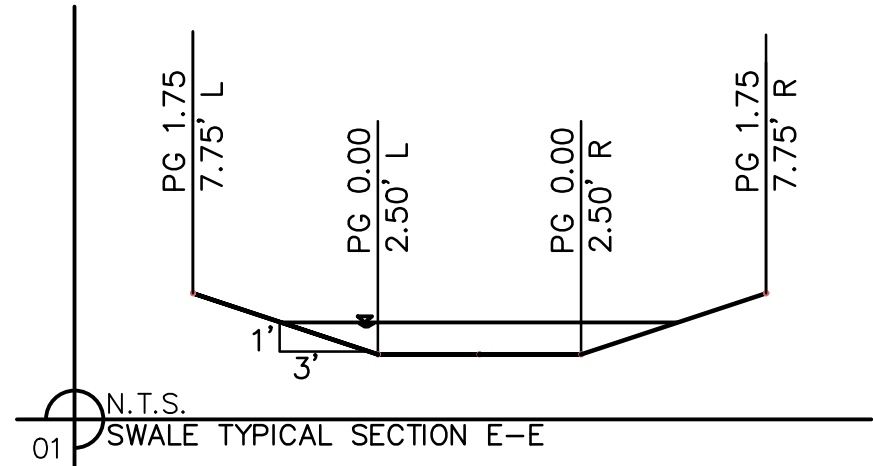


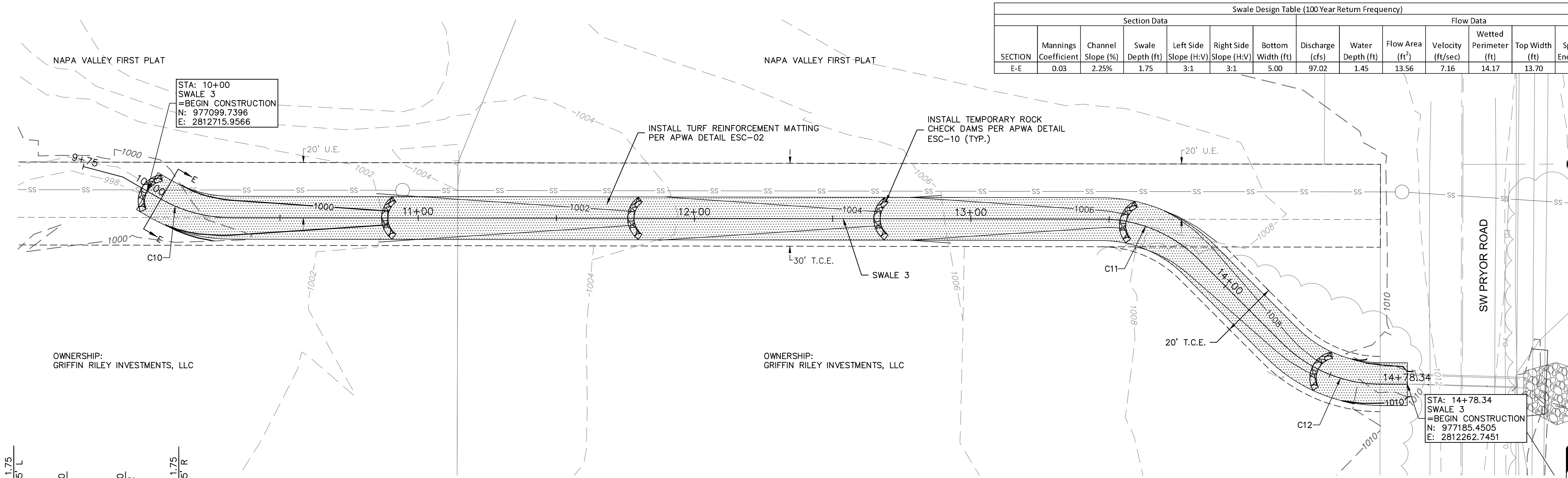
DWG: F:\2019\2001-2500\019-2339-A\40-Design\Exhibits\2020-08-03 Swale East of Pryor Road\2020-08-10 Swale East of Pryor.dwg
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USER: bworthley



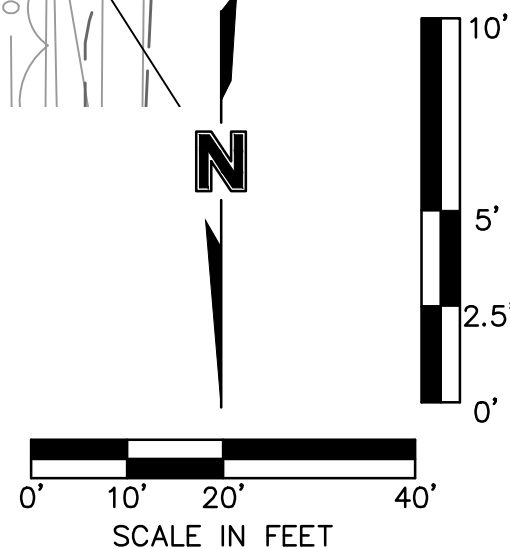
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

08/13/2020

Swale Design Table (100 Year Return Frequency)														
Section Data							Flow Data							
SECTION	Mannings Coefficient	Channel Slope (%)	Swale Depth (ft)	Left Side Slope (H:V)	Right Side Slope (H:V)	Bottom Width (ft)	Discharge (cfs)	Water Depth (ft)	Flow Area (ft ²)	Velocity (ft/sec)	Wetted Perimeter (ft)	Top Width (ft)	Specific Energy (ft)	Shear Stress (lbs/ft ²)
E-E	0.03	2.25%	1.75	3:1	3:1	5.00	97.02	1.45	13.56	7.16	14.17	13.70	2.25	1.34



ALIGNMENT CURVES								
CURVE ID #	STATION RANGE	START COORD.	END COORD.	RADIUS (FT)	LENGTH (FT)	DELTA	CHORD BEARING	CHORD LENGTH (FT)
C10	10+05.73 10+31.91	N: 977102.7821 E: 2812711.1054	N: 977110.3900 E: 2812686.3669	50.00	26.18	030°00'00"	N72°54'20"W	25.88
C11	13+47.22 13+86.49	N: 977121.9134 E: 2812371.2681	N: 977137.8417 E: 2812336.4703	50.00	39.27	045°00'07"	N65°24'16"W	38.27
C12	14+29.25 14+68.52	N: 977169.1628 E: 2812307.3614	N: 977185.0911 E: 2812272.5655	50.00	39.27	045°00'00"	N65°24'13"W	38.27



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STATE OF MISSOURI
BROCK M. WORTHLEY
Professional Engineer
PE-2019000237
6/10/2020

BY

REVISIONS DESCRIPTION

DATE

REV. NO.

3

8/10/2020

SWALE 3 ADDED TO HELP DRAINAGE EAST OF SW PRYOR ROAD

SWALE 3 PLAN & PROFILE
STREET & STORM SEWER PLANS

OSAGE
FIRST PLAT

LEE'S SUMMIT, MISSOURI

2020

drawn by: SS
checked by: SS
QA/QC by: BMW
designed by: JES
project no.: A19-2339
drawing no.:
date: 3/17/2020

SHEET
C108-A