

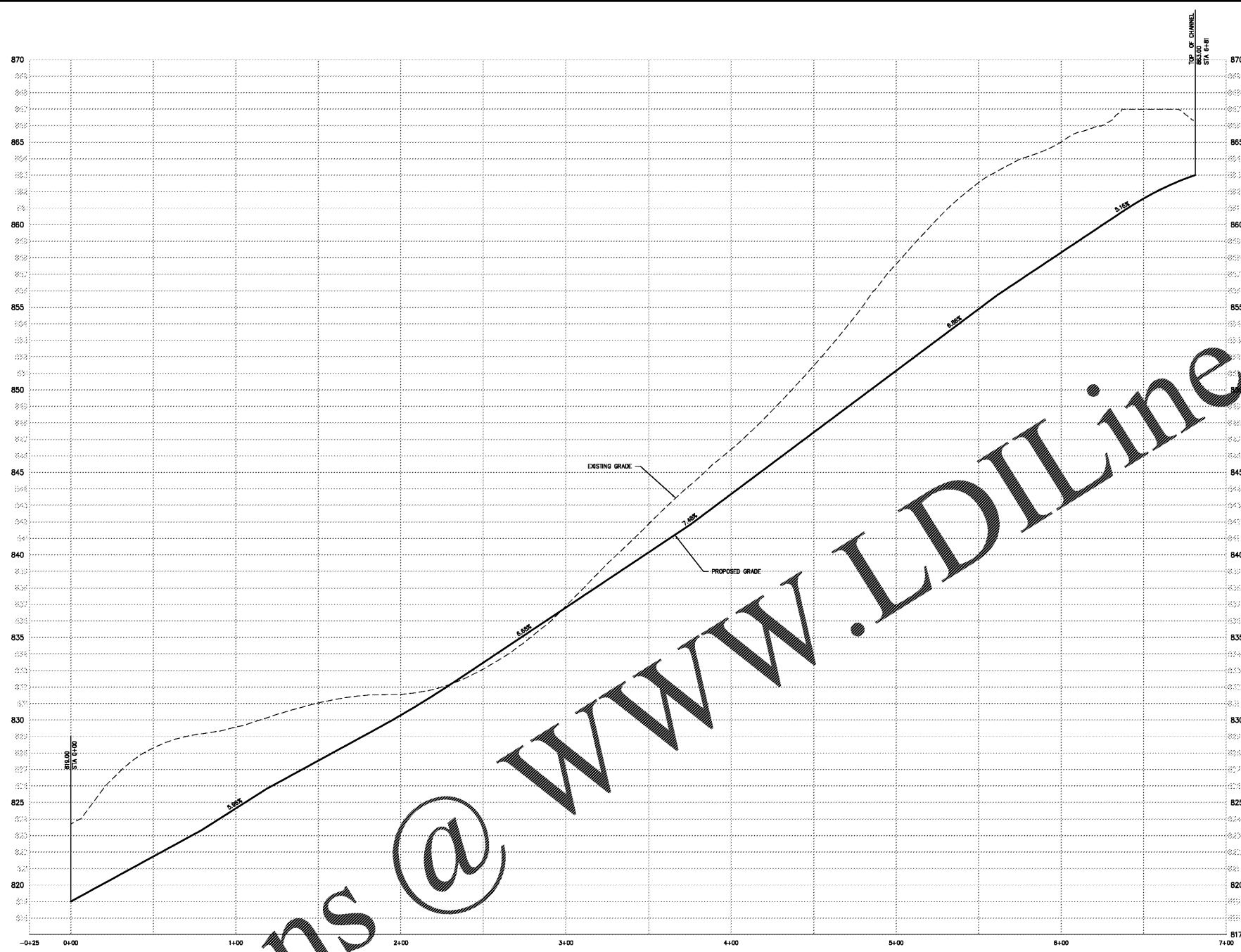


GSWCC# 22364  
 ISS. 05/16/2018  
 EXP. 05/16/2021

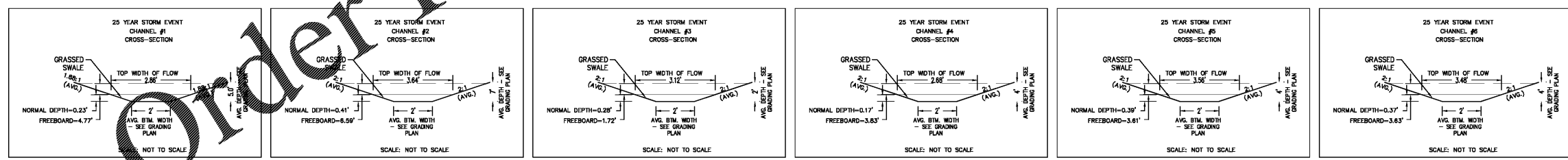
**Project Title**  
 LLOYD N. HARRIS TRAIL @ HARBINS PARK  
 2995 LUKE EDWARDS ROAD  
 BY: GWINNETT COUNTY DEPT. OF COMMUNITY SERVICES  
 LAWRENCEVILLE, GEORGIA  
 5TH DISTRICT, LAND LOT 251, PARCEL ID# R5262 003

REVISIONS	BY

**DRAWN BY** DMN  
**CHECKED BY** THH  
**DATE** 09/25/2019  
**SCALE** 1" = 30'  
**JOB No.** 18-LD-088  
**SHEET NUMBER** ST-3



**CHANNEL #5**  
 scale: 1"=30' horizontal  
 1"=3' vertical



Channel Number	Drainage Area (ac)	Curve Number	Bottom Width (ft)	Total Depth (ft)	Side Slope (ft:ft)	Channel Lining Material	Channel Length (ft)	Channel Slope (%)	Design Discharge (cfs)	Velocity (ft/s)	Normal Flow Depth (ft)	Design Frequency
1	0.76	62	2.00	5.00	1.58:1	Grass-Woodland Grass me	110	8.93%	2.900	5.18	0.23	25 year
2	1.87	63	2.00	7.00	2.00:1	Grass-Fox Sedge	240	5.17%	6.698	5.79	0.41	25 year
3	0.58	63	2.00	2.00	2.00:1	Grass-Fox Sedge	229	2.41%	2.309	3.22	0.28	25 year
4	0.50	58	2.00	4.00	2.00:1	Grass-Fox Sedge	148	6.89%	1.577	3.97	0.17	25 year
5	2.08	61	2.00	4.00	2.00:1	Grass-Fox Sedge	681	6.43%	6.859	6.33	0.39	25 year
6	3.07	56	2.00	4.00	2.00:1	Grass-Fox Sedge	422	7.30%	6.368	6.28	0.37	25 year



**NOTE**  
 CONTRACTOR IS RESPONSIBLE FOR COMPARING THE STORM SEWER PIPE CHARTS WITH THE PROFILES FOR THE STORM AND SEWER LINES AND INFORMING THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

**STORM SEWER PROFILES**

GWINNETT COUNTY  
 Department of Planning and Development  
 These project documents have been reviewed by applicable County Departments and have been found to be in substantial compliance with the applicable codes and regulations.  
 Oct 08, 2019  
 AUTHORIZED  
 GWINNETT COUNTY CASE # CDP2018-00288

FOR PERMIT ONLY

User drawn - Oct 05, 2019 - 4:31pm  
 Z:\proj\18-LD-088\18-LD-088.mxd  
 2: Full Project - 18-LD-088.mxd  
 18-LD-088 MAIN.dwg - LAYOUT: ST-3