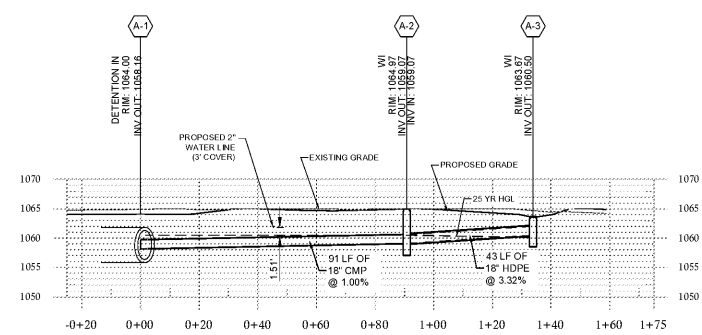
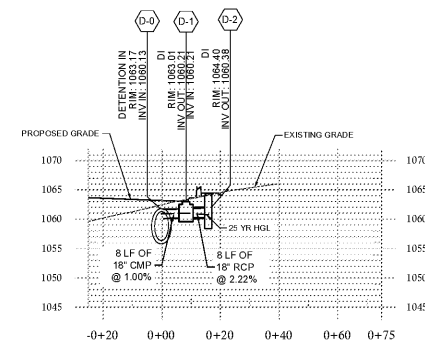


GENERAL NOTES:

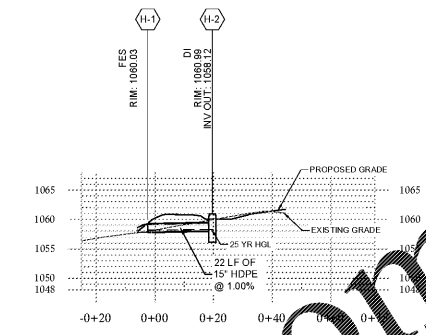
- 1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.
- 3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.
- 4) MAINTAIN MINIMUM 2' OF COVER OVER METAL AND PLASTIC PIPES DURING CONSTRUCTION ACTIVITIES.



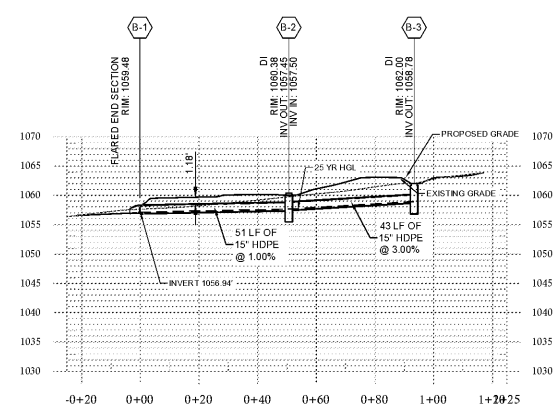
STORM SEWER PROFILE A
1" = 30' H, 1"=15' V



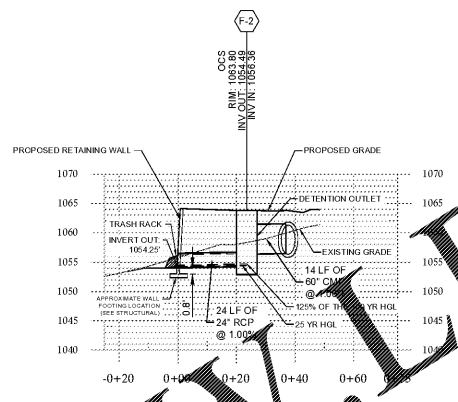
STORM SEWER PROFILE D
1" = 30' H, 1"=15' V



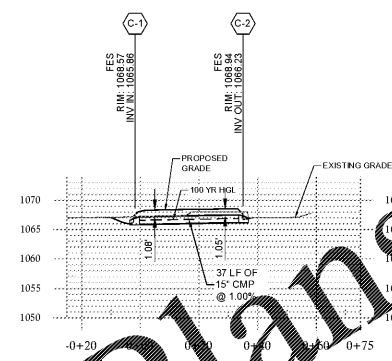
STORM SEWER PROFILE H
1" = 30' H, 1"=15' V



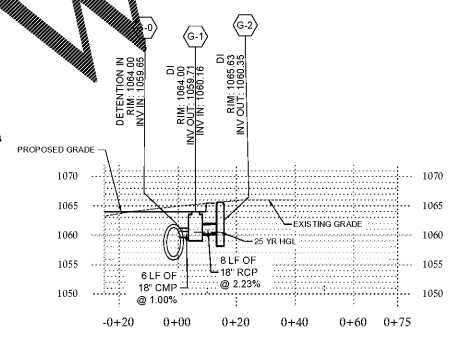
STORM SEWER PROFILE B
1" = 30' H, 1"=15' V



STORM SEWER PROFILE F
1" = 30' H, 1"=15' V



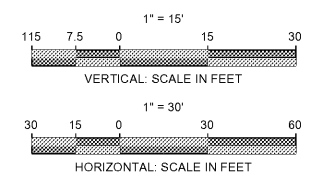
STORM SEWER PROFILE C
1" = 30' H, 1"=15' V



STORM SEWER PROFILE G
1" = 30' H, 1"=15' V

25 YEAR PIPE CHART: (RAINFALL INTENSITY 9.32 IN/HR)

LineNo.	Upstream Structure	LineID	Grnd/Rim Elev Up (ft)	Grnd/Rim Elev Dn (ft)	InvertUp (ft)	InvertDn (ft)	LineSlope (%)	LineSize (in)	LineType	LineLength (ft)	DrainageArea (ac)	RunoffCoeff (C)	IncrCxA	TotalCxA	PipeTravel (min)	n-valuePipe	iSys (in/hr)	VelAve (ft/s)	IncrQ (cfs)	FlowRate (cfs)	HGLUp (ft)	HGLDn (ft)
1	D1 A-2	A2	1064.44	1064	1059.07	1058.16	1.00	18	CMP	90.759	0.04	0.68	0.03	0.11	2.74	0.012	8.4	3.32	0.25	0.89	1059.42	1058.44
2	D1 A-3	A3	1063.51	1064.79	1060.50	1059.07	3.32	18	HDPE	43	0.13	0.61	0.08	0.08	1.71	0.012	9.32	2.51	0.74	0.74	1060.82	1059.42
3	D1 B-2	B2	1059.50	0	1057.50	1059.48	1.00	15	HDPE	51.045	0.04	0.68	0.03	0.07	1.02	0.012	7.85	2.92	0.25	0.51	1057.58	1057.23
4	D1 B-3	B3	1061.50	1059.5	1058.78	1057.50	3.00	15	HDPE	43.123	0.06	0.64	0.04	0.04	2.96	0.012	9.32	3.2	0.36	0.36	1059.03	1057.65
5	FES C-2	C2	1068.94	1068.57	1065.54	1065.38	1.00	18	RCP	36.786	0.45	0.61	0.27	0.27	0.19	0.013	9.32	3.71	2.56	2.56	1066.36	1066.2
6	D1 D-1	D1	1063.00	1063.17	1060.21	1060.13	1.00	18	CMP	8.291	0.25	0.87	0.22	0.31	0.09	0.012	9.16	4.58	2.03	2.83	1060.85	1060.65
7	D1 D-2	D2	1063.40	1063.01	1060.38	1060.21	2.25	18	RCP	7.554	0.15	0.61	0.09	0.09	0.26	0.012	9.32	2.63	0.85	0.85	1060.81	1060.85
8	OCS F-2	F2	1063.80	0	1054.49	1054.25	1.00	24	RCP	23.766	0	0	0	0	1.56	0.013	0	3.07	0.8	0.8	1054.56	1054.26
9	D1 G-1	G-1	1063.20	1064	1059.71	1059.65	1.00	18	CMP	6.056	0.18	0.89	0.16	0.19	0.1	0.012	8.82	3.99	1.49	1.68	1060.2	1060.04
10	D1 G-2	G-2	1065.00	1064	1060.35	1060.16	2.23	18	RCP	8.434	0.05	0.61	0.03	0.03	0.87	0.013	9.32	2.85	0.28	0.28	1060.55	1060.3
11	D1 H-2	H-2	1059.50	0	1058.12	1057.90	1.00	15	HDPE	22.003	0.08	0.63	0.05	0.05	0.96	0.012	9.32	2.84	0.47	0.47	1058.39	1058.12



GWINNETT COUNTY STAMP AREA (4" X 4")
PROJECT # CDP2019-00035

ENGINEER:
FORESITE group
Foresite Group, Inc. | www.fg-inc.net
3740 Davinci Ct. | 770.368.1399
Suite 100 | 770.368.1944
Peachtree Corners, GA 30092

DEVELOPER:
GWINNETT COUNTY GEORGIA
ESTABLISHED 1826
75 LANGLEY DR.
LAWRENCEVILLE, GEORGIA 30046
770-822-8864
CONTACT: MR. REX SCHUDER

ELISHA WINN HOUSE
SITE IMPROVEMENTS
908 DACULA RD
DACULA, GA 30019
LL # 1, DISTRICT 2, ZONE R-100
PARCEL #R2001 158

SEAL:
GEORGIA REGISTERED
No. 038646
PROFESSIONAL ENGINEER
LUIGA C. MAZZISI
4/08/19
GEORGIA LEVEL II CERTIFIED PROFESSIONAL # 0000058923
EXPIRATION DATED: 08/21/2021

REVISIONS

NO.	DESCRIPTION	DATE
1	GWINNETT CO. RESUBMITTAL	03/20/2019
2	GWINNETT CO. RESUBMITTAL	03/25/2019

PROJECT MANAGER: AWP
DRAWING BY: SSH
JURISDICTION: GWINNETT COUNTY
DATE: 08/10/2018
SCALE: AS SHOWN
TITLE:

STORM DRAINAGE PROFILES
SHEET NUMBER: C-2.6
COMMENTS: RELEASED FOR CONSTRUCTION
JOB/FILE NUMBER: 223.082

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