



MATCHLINE - SEE SHEET C4.1

STORM STRUCTURE TABLE				
STRUCTURE	RIM EL.	STRUCTURE IN	INVERT IN	INVERT OUT
FES100	2032.78	YH101	2030.45	
FES200	2081.13	GH201	2079.33	
GH103	2071.42	GH104	2064.41	2064.31
GH104	2076.74	GH105	2069.59	2069.49
GH105	2083.24	GH106	2077.82	2077.37
GH106	2087.22	GH107	2080.25	2080.16
GH107	2090.31			2084.88
GH201	2086.80	GH202	2081.65	2081.55
GH202	2087.94	GH203	2083.16	2082.36
GH203	2089.48	GH204	2085.12	2084.84
GH204	2090.79			2084.84
YH101	2082.45	YH102	2050.05	2059.05
YH102	2086.15	GH103	2059.05	2058.85

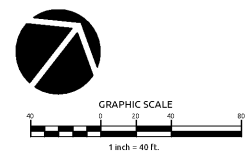
STORM SYSTEM DATA							
DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	SIZE	LENGTH	SLOPE	MATERIAL	DOWNSTREAM INVERT	UPSTREAM INVERT
FES100	YH101	18	18.16	9.35%	RCP	2030.45	2050.86
FES200	GH201	18	79.83	2.77%	RCP	2079.33	2081.55
GH103	GH104	15	42.36	12.00%	RCP	2064.41	2069.49
GH104	GH105	15	51.88	15.00%	RCP	2069.59	2077.37
GH105	GH106	12	35.72	7.10%	RCP	2077.82	2080.16
GH106	GH107	12	115.81	4.00%	RCP	2080.25	2084.88
GH201	GH202	18	67.80	1.93%	RCP	2081.65	2082.36
GH202	GH203	15	80.76	2.12%	RCP	2083.16	2084.87
GH203	GH204	12	71.26	2.00%	RCP	2085.12	2086.84
YH101	YH102	15	33.53	24.01%	RCP	2050.05	2059.05
YH102	GH103	15	35.08	15.00%	RCP	2059.05	2054.31

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- ROOF DRAIN NOTES:**
1. CONTRACTOR TO VERIFY LOCATIONS OF DOWNPOUTS FOR CONNECTION TO PROVIDED STORM DRAINAGE SYSTEM.
 2. STORM PIPES SERVING DOWNPOUTS TO BE INSTALLED AT MINIMUM 1.5% SLOPE.
 3. STORM PIPE TO BE SMOOTH INTERIOR WALL AND 12 HOPE OR APPROVED EQUAL IN SIZE AS SPECIFIED.
 4. ROOF DRAIN CLEANOUT CONNECTIONS TO BE OFF SET FROM BUILDING S.
 5. ROOF DRAIN CLEANOUTS TO BE VERTICAL PLUMB DRAINS OR APPROVED EQUAL.
 6. PROVIDE 12" TRAFFIC-RATED COVERS IN LOCATIONS SPECIFIED. ALL OTHERS TO BE LIGHT-DUTY APPLICATIONS WITH SOLID COVERS.

GEOTECHNICAL NOTE:
PRIOR TO NEW BUILDING CONSTRUCTION AND GRADING OPERATIONS, CONSULT WITH GEOTECHNICAL ENGINEER ON COMPACTION REQUIREMENTS AND PAVEMENT REQUIREMENTS.



JACKSON COUNTY
ANIMAL RESCUE CENTER AND GREEN ENERGY PARK
DILLSBORO, NORTH CAROLINA

SHEET ISSUE NO.	DATE	DESCRIPTION	BY
1	9/2/2020	ISSUE FOR BID + PERMIT	WR



PRINCIPAL IN CHARGE: GARY WARNER
PROJECT ARCHITECT: WR
DRAWN BY: WR

SHEET TITLE:
GRADING AND DRAINAGE PLAN

SHEET NO. PROJ. NO.
C4.0 02-191340