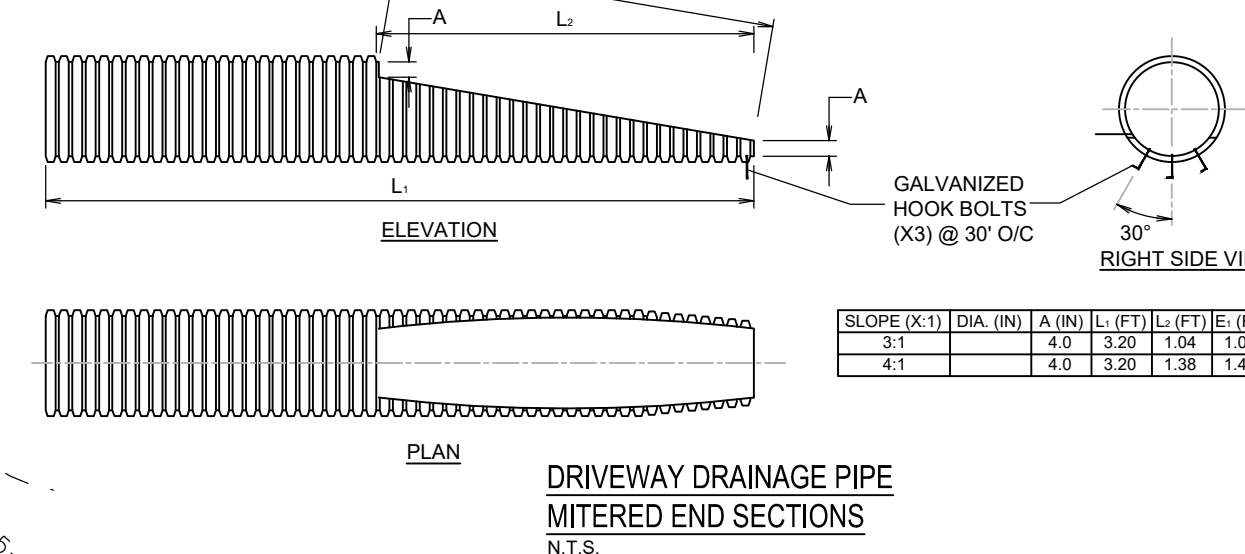


- GENERAL NOTES:**
- A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY SHELBY COUNTY AT 222-7705.
  - ALL NEWLY CUT OF FILLED AREAS, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SODDAS AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
  - THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING THE WORK ON THE PROJECT. FOR SITE LOCATION OF EXISTING UTILITIES INVOLVING ML&W, SOUTH CENTRAL BELL, AND/OR TEXAS GAS COMPANY, CALL 1-800-351-1111. FOR SEWER LOCATIONS CALL 529-8025.
  - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
  - ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES OF COMPACTED THICKNESS.
  - ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE A SHELBY COUNTY STANDARD CONSTRUCTION SPECIFICATIONS.
  - SHELBY COUNTY HALL HAVE INGRESS/EGRESS RIGHTS TO USE PRIVATE DRIVES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC DRAIN LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS.
  - PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
  - VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE SHELBY COUNTY CONSTRUCTION INSPECTION OFFICE OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
  - ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
  - LOT DRAINAGE: FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE FINISH GRADE MUST BEGIN AT LEAST 10-INCHES BELOW THE TOP OF THE FOUNDATION WALL OR THE GRADE OF THE CONCRETE SLAB AT THE INTERIOR IN THE CASE OF AN INTEGRAL SLAB AND FOUNDATION. THE MINIMUM GRADE AWAY FROM THE FOUNDATION SHALL BE TWO PERCENT (2%) IN ALL DIRECTIONS. THE DRIVEWAY SHALL BE SLOPED DOWN AT TWO PERCENT (2%) FOR AT LEAST EIGHT FEET FROM THE STRUCTURE.



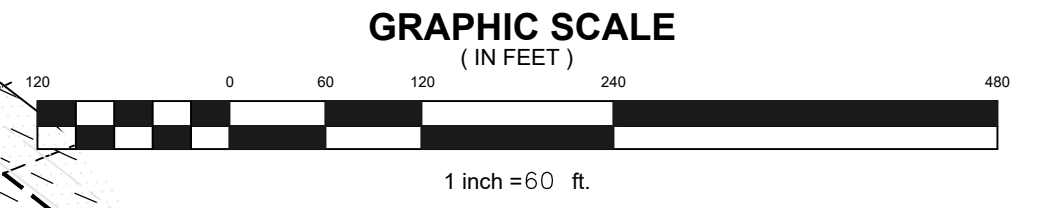
**DRIVEWAY DRAINAGE PIPES (MINIMUM)**

LOT NO.	PIPE (IN.)	LOT NO.	PIPE (IN.)
28	10 OR TWIN 8	50	10 OR TWIN 8
29	10 OR TWIN 8	51	10 OR TWIN 8
30	10 OR TWIN 8	52	10 OR TWIN 8
31	10 OR TWIN 8	53	10 OR TWIN 8
32	10 OR TWIN 8	54	N/A
33	10 OR TWIN 8	55	12 OR TWIN 10
34	10 OR TWIN 8	56	15 OR TWIN 12
35	N/A	57	15 OR TWIN 12
36	N/A	58	12 OR TWIN 10
37	N/A	59	15 OR TWIN 12
38	N/A	60	15 OR TWIN 12
39	N/A	61	15 OR TWIN 12
40	N/A	62	15 OR TWIN 12
41	10 OR TWIN 8	63	10 OR TWIN 8
42	N/A	64	10 OR TWIN 8
43	N/A	65	10 OR TWIN 8
44	N/A	66	12 OR TWIN 10
45	N/A	67	12 OR TWIN 10
46	N/A	68	12 OR TWIN 8
47	N/A	69	10 OR TWIN 8
48	N/A	70	10 OR TWIN 8
49	N/A	71	12 OR TWIN 8
		72	10 OR TWIN 8

GRANT OF CONSERVATION RIGHT AND INCLUDED IN FIRST AMENDMENT TO EASEMENT (INST. # 20050040-EXHIBIT D) (INST. #A 4171)

CONSERVATION EASEMENT (312.95 ACRES) (INST. #A 4171)

INCLUDED IN SECOND AMENDMENT TO GRANT OF CONSERVATION RIGHT AND EASEMENT (311.63 ACRES) (INST. #04110817)



**STORM STRUCTURE TABLE**

NO.	TYPE	D.A. (AC.)	Q10 (CFS)	RIM / GRATE THROAT EL.
20	#3010 INLET	1.3	5.3	311.06
21	#3010 INLET	0.2	0.8	311.29
22A	CAPPED PIPE END	-	-	311.97
24	#3010 INLET	0.9	3.7	307.90
25	DMH	-	-	309.27
26	#3010 INLET	0.8	3.3	306.53
27	DMH	-	-	307.72
28	#3010 INLET	0.4	1.6	303.29
29	DMH	-	-	304.86
30	#3010 INLET	0.6	2.4	303.27
30A	#3010 INLET	0.9	3.7	303.26
31	DMH	-	-	302.96
32	TYPE "D" HW	-	-	301.65
33	#3010 INLET	0.3	1.2	315.10
34	DMH	-	-	315.62
35	DMH	-	-	311.21
35A	#3010 INLET	0.3	1.2	309.88
36	#3010 INLET	0.4	1.6	307.03
37	DMH	-	-	308.33
38	#3010 INLET	0.5	2.0	304.28
39	#3010 INLET	0.5	2.0	302.48
40	#3010 INLET	0.4	1.6	308.87
41	DMH	-	-	303.47
42	#3010 INLET	0.7	2.8	301.18
43	DMH	-	-	302.86
44	#3010 INLET	0.6	2.4	303.00
45	#3010 INLET	0.7	2.8	299.25
46	TYPE "D" HW	-	-	-
47	POND OUTLET STRUCT.	-	-	-
48	ENDWALL	-	-	-
13A	DMH	-	-	309.88
13B	END WALL	-	-	-
14	WALL PENETRATION	6.0	23.6	-
17	SPECIAL ENDWALL	-	-	-
18	SPECIAL ENDWALL	49.1	94.0	-
22B	DMH	-	-	310.00
23	WALL PENETRATION	1.50	6.1	-

**DETENTION STAGE/STORAGE/DISCHARGE**

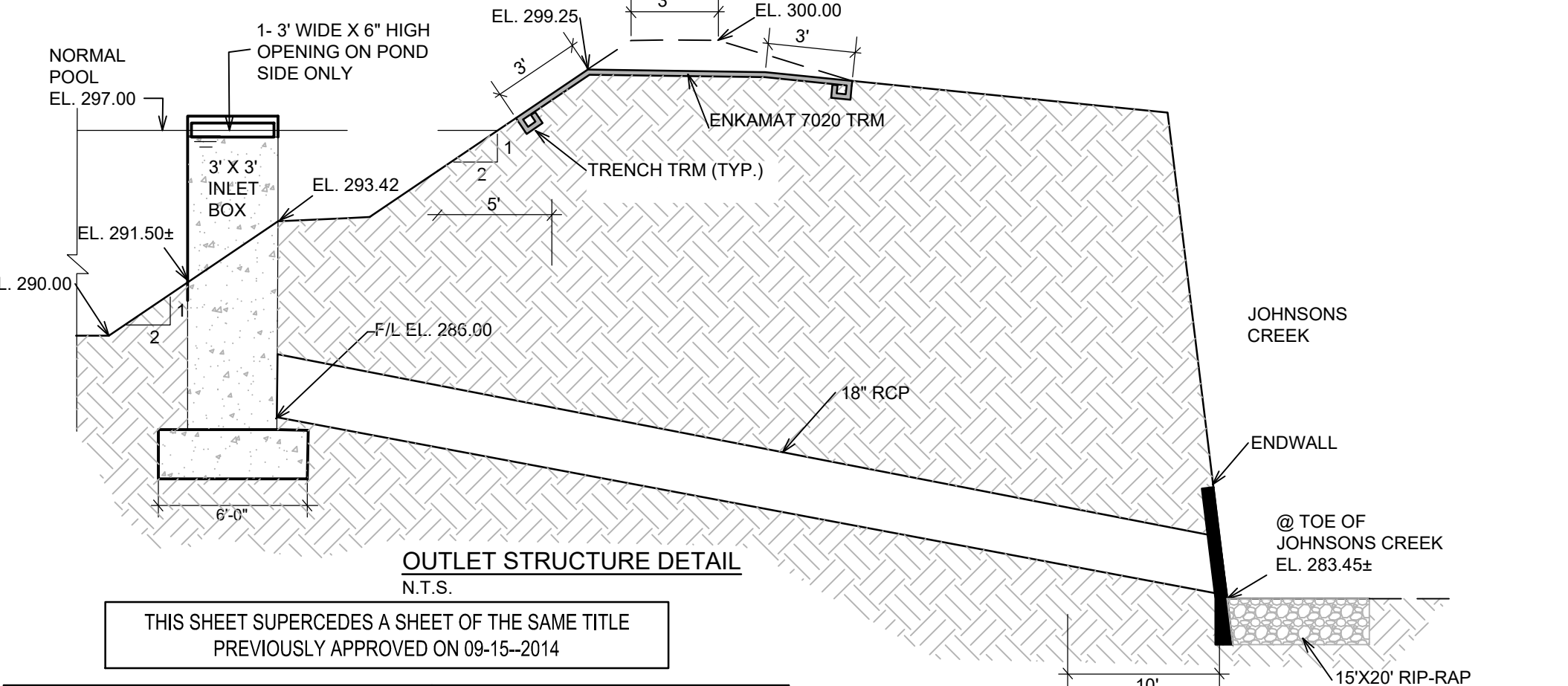
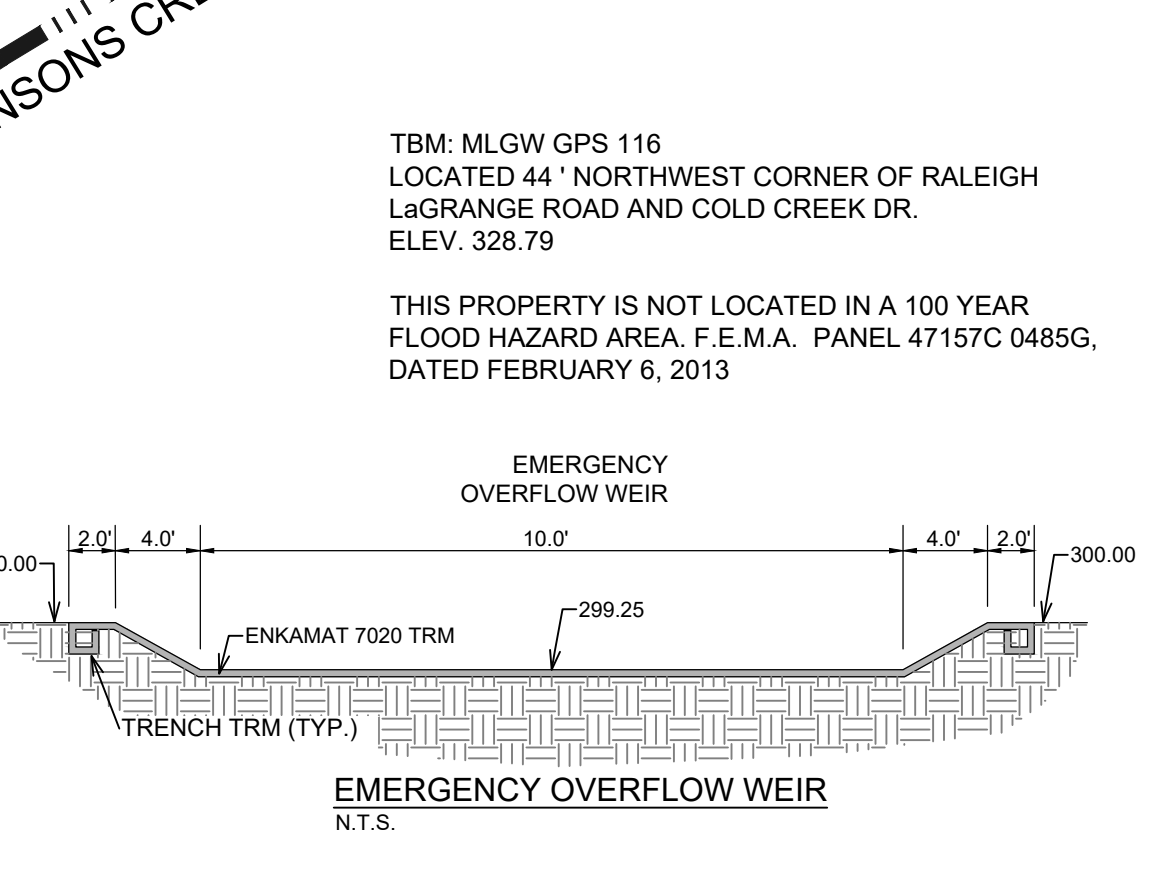
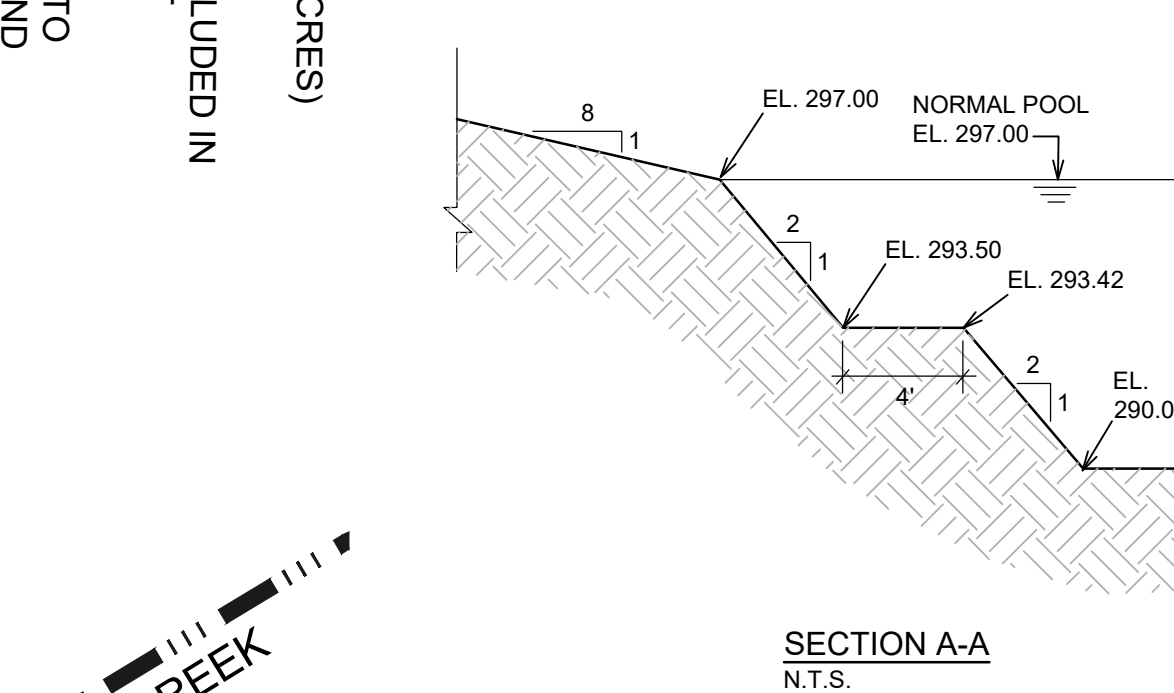
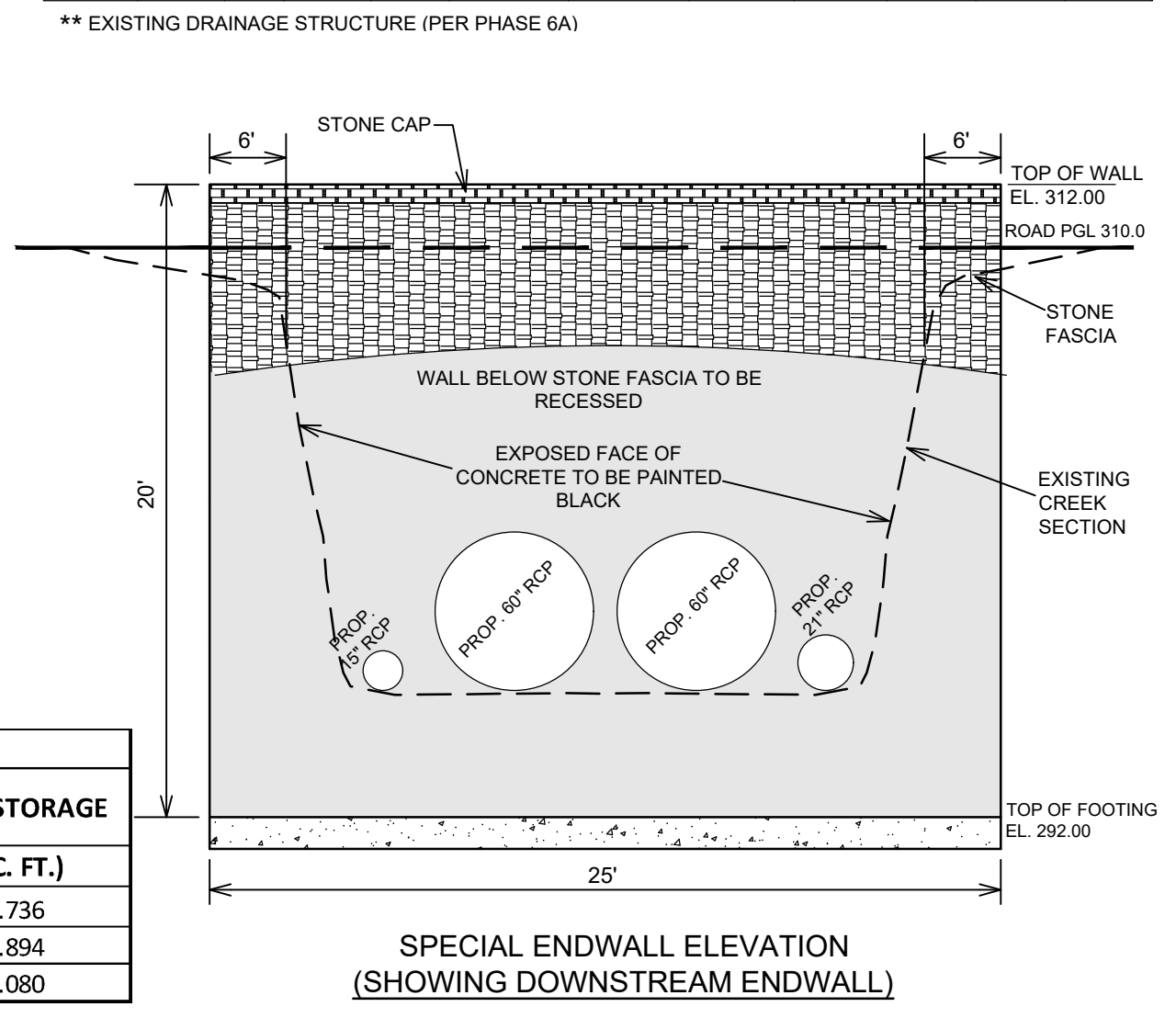
ELEV.	STORAGE (AC-FT)	DISCHARGE (CFS)
297	0	0
298	0.762	7.22
299	1.651	10.21
299.25	1.894	10.83
300	2.655	37.50

**ROUTING DATA**

STORM EVENT (YRS)	PEAK INFLOW (CFS)	PEAK OUTFLOW (CFS)	PEAK STAGE (EL.)	PEAK STORAGE (AC. FT.)
2	33.1	7.0	297.97	0.736
10	40.9	7.7	298.16	0.894
100	50.7	8.4	298.37	1.080

**STORM PIPE TABLE**

FROM	F/L (FT.)	TO	F/L (FT.)	SIZE (IN)	TYPE	LENGTH (FT.)	SLOPE	ACRE (AC.)	Q10 (CFS)	QC (CFS)	VEL. (FPS)
20	308.00	22	306.50	15	RCP CL III	49	3.06%	1.3	5.3	11.3	9.2
21	308.00	22	306.50	15	RCP CL III	37	4.05%	0.2	0.8	13.0	10.6
22	306.40	22B	297.11	15	RCP CL III	178	5.22%	1.5	6.1	24.0	13.6
24	304.77	25	304.60	15	RCP CL III	37	0.46%	0.9	3.7	4.4	3.6
25	304.50	27	303.25	15	RCP CL III	122	1.02%	0.9	3.7	6.5	5.3
26	303.74	27	303.25	15	RCP CL III	33	1.49%	0.8	3.3	7.9	6.4
27	303.00	29	300.50	18	RCP CL III	195	1.28%	1.7	7.0	13.9	7.9
28	300.87	29	300.75	15	RCP CL III	34	0.37%	0.4	1.6	3.9	3.2
29	300.65	31	299.00	18	RCP CL III	152	1.19%	2.1	8.6	13.3	7.5
30	299.25	31	299.00	15	ADS N-12	84	0.30%	1.5	6.1	6.8	3.9
30A	299.75	30	299.25	15	ADS N-12	113	0.44%	0.9	3.7	5.1	4.1
31	299.25	32	297.00	21	RCP CL III	117	1.92%	3.6	14.7	25.9	10.8
33	311.58	34	310.74	15	RCP CL III	15	1.48%	0.3	1.2	7.9	6.4
34	310.74	35	306.90	15	RCP CL III	168	2.29%	0.3	1.2	9.8	8.0
35	306.90	37	304.51	15	RCP CL III	114	2.11%	0.6	2.4	9.4	7.7
35A	314.51	35	313.97	15	RCP CL III	12	4.42%	0.3	1.2	13.4	11.1
36	304.98	37	304.51	15	RCP CL III	32	1.47%	0.4	1.6	7.8	6.4
37	304.51	41	299.30	15	RCP CL III	194	2.88%	1.0	4.0	10.8	8.6
38	300.18	39	298.30	15	RCP CL III	134	1.40%	0.5	2.0	9.0	7.4
39	300.40	41	299.30	15	RCP CL III	24	4.65%	1.0	4.0	13.9	11.4
40	300.00	41	299.30	15	RCP CL III	27	2.84%	0.4	1.6	10.5	8.6
41	299.05	43	297.50	18	RCP CL III	52	2.97%	2.4	9.6	18.0	11.8
42	298.86	43	297.75	15	RCP CL III	38	2.93%	0.7	2.8	13.1	10.2
43	298.40	45	296.48	18	RCP CL III	158	1.22%	3.1	12.4	13.7	7.8
44	298.74	45	296.48	15	RCP CL III	25	1.00%	0.6	2.4	7.6	6.2
45	296.48	46	296.00	21	RCP CL III	65	0.73%	3.7	14.8	16.0	6.7
47	286.00	48	283.45	15	RCP CL III	64	3.98%	10.1	17.6	18.7	15.2
13A	296.91	14	296.20	21	RCP CL III	24	2.85%	6.0	23.6	26.8	11.1
17	296.44	18	296.00	TWIN 60"	RCP CL III	44	1.00%	135.7	266.0	282.0	7.2
22B	297.01	23	296.20	15	RCP CL III	27	3.00%	1.5	6.1	11.2	9.1



**REVISION**

ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

SHEET 1 OF 1  
DIVISION OF ENGINEERING

**GRADING & DRAINAGE PLAN (PRIVATE)**  
SHELBY COUNTY, TENNESSEE

SURVEY: F&A, INC. DATE: 03/05 PROJECT NO: CREEKSID0003LD  
DESIGNED BY: F&A, INC. DATE: 01/13 BOOK:  
DRAWN BY: F&A, INC. DATE: 01/15 SCALE: 1"=60'

REVIEWED  
COUNTY ENGINEER DATE

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Filename: Z:\CREEKSID\0003LD\Subdivision\Plans\PH6B\_CD\_01.dwg  
Plotted: Thursday, January 13, 2022 - 1:18 pm

COLLIERVILLE ARLINGTON ROAD

RALEIGH LAGRANGE ROAD

CLEMENTS (INST. # Z14945)

STEWART (INST. # JV 4205)

HARMON (INST. # JT 9935)

PHASE 6B  
**SPRING CREEK RANCH P.D.**  
DEVELOPER: CREEKSIDE HOMES, L.L.C.  
ENGINEER: FISHER ARNOLD