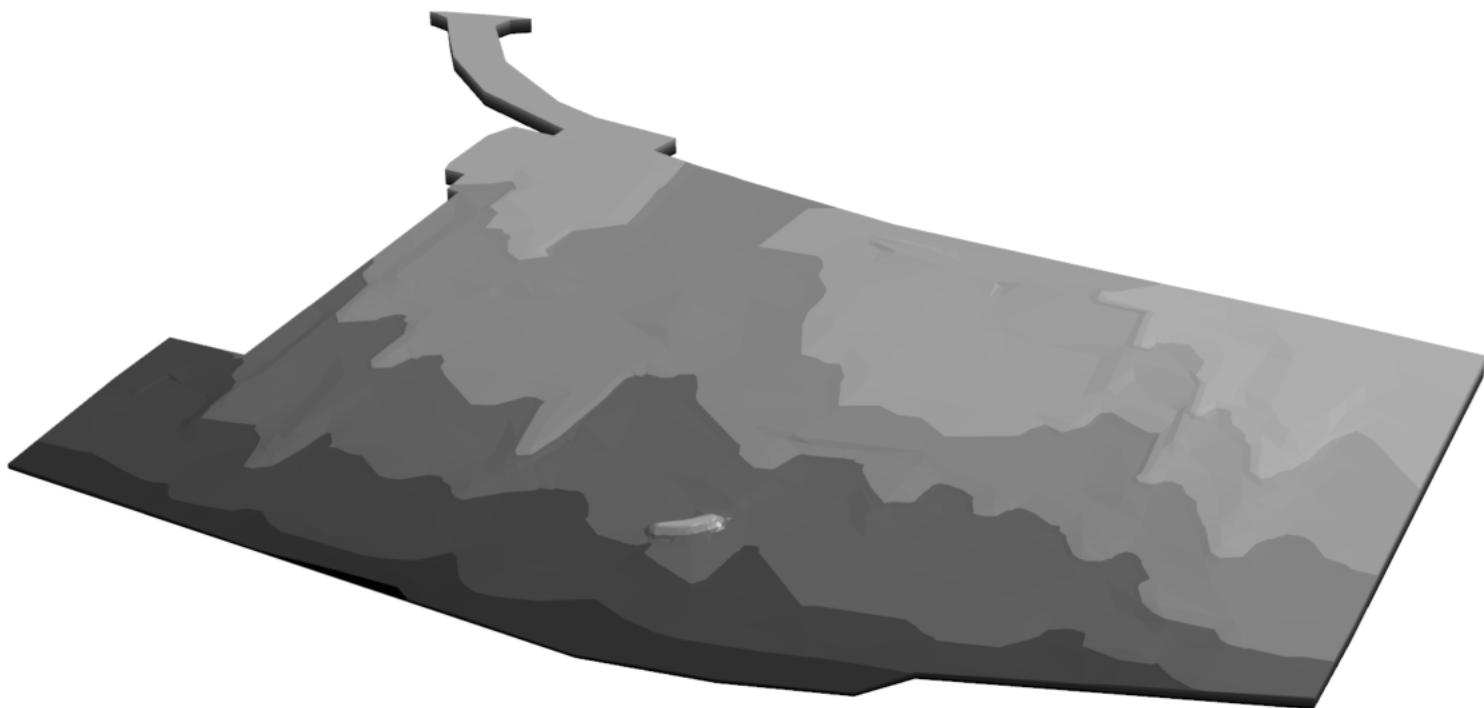


Building Data Summary	
Project ID:	FICKLING HILL STORAGE
Location:	FICKLING HILL RD AND TRINCKETS LOOP JOHNS ISLAND, SOUTH CAROLINA
Scope of Work:	Sitework (Earthwork and grading, erosion control, storm drain, sewer, water)
Date:	

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
DIVISION.01 GENERAL REQUIREMENTS														
1		Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
2		Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
3		Final Cleaning	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 58,000.00	
4		Mobilization Costs	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
5		Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
Subtotal (General Requirements)														\$ 58,000
DIVISION 02- SITE WORK/ EXISTING CONDITIONS														
EROSION SEDIMENT CONTROL														
6		Concrete Washout Area	SF	90	0%	90	\$ 1.50	\$ 135.00	0.030	\$ 45.00	\$ 1.35	\$ 121.50	\$ 256.50	
7		Curb Sock	EA	1	0%	1	\$ 65.00	\$ 65.00	0.150	\$ 45.00	\$ 6.75	\$ 6.75	\$ 71.75	
8		Inlet Protection	EA	23	0%	23	\$ 95.00	\$ 2,185.00	0.500	\$ 45.00	\$ 22.50	\$ 517.50	\$ 2,702.50	
9		Riprap	SF	400	0%	400	\$ 2.00	\$ 800.00	0.080	\$ 45.00	\$ 3.60	\$ 1,440.00	\$ 2,240.00	
10		Rock Construction Entrance	SF	6234	0%	6234	\$ 2.25	\$ 14,026.50	0.014	\$ 45.00	\$ 0.63	\$ 3,927.42	\$ 17,953.92	
11		Rock outlet	EA	1	0%	1	\$ 70.00	\$ 70.00	0.350	\$ 45.00	\$ 15.75	\$ 15.75	\$ 85.75	
12		Sediment Dike	EA	1	0%	1	\$ 6.00	\$ 6.00	0.200	\$ 45.00	\$ 9.00	\$ 9.00	\$ 15.00	
13		Silt Fence	LF	4734	0%	4734	\$ 3.00	\$ 14,203.38	0.080	\$ 45.00	\$ 3.60	\$ 17,044.06	\$ 31,247.44	
14		Temp Rock Check Dam	SF	352	0%	352	\$ 70.00	\$ 24,640.00	0.300	\$ 45.00	\$ 13.50	\$ 4,752.00	\$ 29,392.00	
15		Tree Barricade	LF	377	0%	377	\$ 1.30	\$ 489.72	0.060	\$ 45.00	\$ 2.70	\$ 1,017.12	\$ 1,506.84	
16		Type A Inlet Protection	EA	21	0%	21	\$ 110.00	\$ 2,310.00	0.600	\$ 45.00	\$ 27.00	\$ 567.00	\$ 2,877.00	
EARTHWORK														
GRADING FOR ON SITE														
17		Clearing & Grubbing	SF	303897	0%	303897	\$ 0.15	\$ 45,584.55	0.002	\$ 45.00	\$ 0.07	\$ 20,513.05	\$ 66,097.60	
PHASE 1														
18		Cut for mass grading	CY	425	0%	425	\$ 8.00	\$ 3,397.60	0.080	\$ 45.00	\$ 3.60	\$ 1,528.92	\$ 4,926.52	
19		Fill for mass grading	CY	13807	0%	13807	\$ 10.00	\$ 138,065.00	0.060	\$ 45.00	\$ 2.70	\$ 37,277.55	\$ 175,342.55	
PHASE 2														
20		Cut for mass grading	CY	176	0%	176	\$ 8.00	\$ 1,404.48	0.080	\$ 45.00	\$ 3.60	\$ 632.02	\$ 2,036.50	
21		Fill for mass grading	CY	7454	0%	7454	\$ 10.00	\$ 74,540.60	0.060	\$ 45.00	\$ 2.70	\$ 20,125.96	\$ 94,666.56	
22		Excavation For Trench /footing	CY	3099	0%	3099	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 153,400.50	\$ 153,400.50	
23		Backfill For Trench /footing	CY	1791	0%	1791	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 1,289.52	\$ 1,289.52	
24		Excess Soil	CY	1308	0%	1308	\$ 7.50	\$ 9,810.00	0.040	\$ 45.00	\$ 1.80	\$ 2,354.40	\$ 12,164.40	
UTILITIES														
STORM SERVICES														
25		30" RCP Storm Line	LF	81	0%	81	\$ 135.00	\$ 10,936.35	0.800	\$ 45.00	\$ 36.00	\$ 2,916.36	\$ 13,852.71	
26		Excavation	CY	81	0%	81	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 4,010.00	\$ 4,010.00	
27		Bedding Material	CY	39	0%	39	\$ 22.00	\$ 864.29	0.130	\$ 45.00	\$ 5.85	\$ 229.82	\$ 1,094.12	
28		Backfill	CY	27	0%	27	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 19.44	\$ 19.44	
29		24" RCP Storm Line	LF	276	0%	276	\$ 130.00	\$ 35,825.40	0.700	\$ 45.00	\$ 31.50	\$ 8,680.77	\$ 44,506.17	
30		Excavation	CY	245	0%	245	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 12,125.52	\$ 12,125.52	
31		Bedding Material	CY	111	0%	111	\$ 22.00	\$ 2,438.58	0.130	\$ 45.00	\$ 5.85	\$ 648.44	\$ 3,087.02	
32		Backfill	CY	102	0%	102	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 73.49	\$ 73.49	
33		18" RCP Storm Line	LF	469	0%	469	\$ 105.00	\$ 49,290.15	0.600	\$ 45.00	\$ 27.00	\$ 12,674.61	\$ 61,964.76	
34		Excavation	CY	365	0%	365	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 18,073.06	\$ 18,073.06	
35		Bedding Material	CY	152	0%	152	\$ 22.00	\$ 3,340.65	0.130	\$ 45.00	\$ 5.85	\$ 888.31	\$ 4,228.95	
36		Backfill	CY	183	0%	183	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 131.44	\$ 131.44	
37		18" HDPE Storm Line	LF	63	0%	63	\$ 70.00	\$ 4,429.60	0.500	\$ 45.00	\$ 22.50	\$ 1,423.80	\$ 5,853.40	
38		Excavation	CY	49	0%	49	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 2,436.28	\$ 2,436.28	
39		Bedding Material	CY	20	0%	20	\$ 22.00	\$ 450.33	0.130	\$ 45.00	\$ 5.85	\$ 119.75	\$ 570.07	
40		Backfill	CY	25	0%	25	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 17.72	\$ 17.72	
41		15" RCP Storm Line	LF	689	0%	689	\$ 90.00	\$ 62,015.40	0.550	\$ 45.00	\$ 24.75	\$ 17,054.24	\$ 79,069.64	
42		Excavation	CY	498	0%	498	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 24,633.90	\$ 24,633.90	
43		Bedding Material	CY	197	0%	197	\$ 22.00	\$ 4,329.35	0.130	\$ 45.00	\$ 5.85	\$ 1,151.21	\$ 5,480.57	
44		Backfill	CY	270	0%	270	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 194.09	\$ 194.09	
45		15" HDPE Storm Line	LF	61	0%	61	\$ 60.00	\$ 3,682.80	0.500	\$ 45.00	\$ 22.50	\$ 1,381.05	\$ 5,063.85	
46		Excavation	CY	44	0%	44	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 2,194.34	\$ 2,194.34	
47		Bedding Material	CY	18	0%	18	\$ 22.00	\$ 385.65	0.130	\$ 45.00	\$ 5.85	\$ 102.55	\$ 488.20	
48		Backfill	CY	24	0%	24	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 17.29	\$ 17.29	
49		10" Roof Drain Line	LF	9	0%	9	\$ 30.00	\$ 279.00	0.080	\$ 45.00	\$ 3.60	\$ 33.48	\$ 312.48	
50		Excavation	CY	5	0%	5	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 241.26	\$ 241.26	
51		Bedding Material	CY	2	0%	2	\$ 22.00	\$ 38.79	0.130	\$ 45.00	\$ 5.85	\$ 10.32	\$ 49.11	
52		Backfill	CY	3	0%	3	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 2.11	\$ 2.11	
53		6" Dip Fire Service Line	LF	194	0%	194	\$ 75.00	\$ 14,557.50	0.400	\$ 45.00	\$ 18.00	\$ 3,493.80	\$ 18,051.30	
54		Excavation	CY	90	0%	90	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 4,448.13	\$ 4,448.13	
55		Bedding Material	CY	35	0%	35	\$ 22.00	\$ 759.74	0.130	\$ 45.00	\$ 5.85	\$ 202.02	\$ 961.76	
56		Backfill	CY	54	0%	54	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 38.82	\$ 38.82	
57		6" Dip Roof Drain Line	LF	72	0%	72	\$ 65.00	\$ 4,667.65	0.400	\$ 45.00	\$ 18.00	\$ 1,292.58	\$ 5,960.23	
58		Excavation	CY	33	0%	33	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 1,645.65	\$ 1,645.65	
59		Bedding Material	CY	13	0%	13	\$ 22.00	\$ 281.08	0.130	\$ 45.00	\$ 5.85	\$ 74.74	\$ 355.82	
60		Backfill	CY	20	0%	20	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 14.36	\$ 14.36	
STORM STRUCTURE														
61	C201-C4.4	Drain Inlet -Size: 2'-0" x 3'-0"	EA	22	0%	22	\$ 900.00	\$ 19,800.00	6.500	\$ 45.00	\$ 292.50	\$ 6,435.00	\$ 26,235.00	
62		Excavation	CY	49	0%	49	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 2,425.50	\$ 2,425.50	
63		Backfill	CY	25	0%	25	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 18.00	\$ 18.00	
MISC ITEMS														
64		6" Cleanout Roof Drain	EA	3	0%	3	\$ 220.00	\$ 660.00	0.250	\$ -	\$ -	\$ -	\$ 660.00	
WATER SERVICES														
65		8" Dip Water Line	LF	1134	0%	1134	\$ 13.00	\$ 14,735.63	0.150	\$ 45.00	\$ 6.75	\$ 7,651.19	\$ 22,386.82	
66		Excavation	CY	673	0%	673	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 33,291.19	\$ 33,291.19	
67		Clean Well Graded Material	CY	228	0%	228	\$ 26.00	\$ 5,939.57	0.050	\$ 45.00	\$ 2.25	\$ 514.00	\$ 6,453.57	
68		Backfill	CY	429	0%	429	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 309.10	\$ 309.10	
69		6" Dip Water Line	LF	30	0%	30	\$ 11.00	\$ 332.64	0.120	\$ 45.00	\$ 5.40	\$ 163.30	\$ 495.94	
70		Excavation	CY	17	0%	17	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 831.60	\$ 831.60	
71		Clean Well Graded Material	CY	5	0%	5	\$ 26.00	\$ 139.89	0.050	\$ 45.00	\$ 2.25	\$ 12.11	\$ 151.99	
72		Backfill	CY	11	0%	11	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 8.06	\$ 8.06	
73		6" Dip Fire Water Line	LF	307	0%	307	\$ 11.00	\$ 3,378.54	0.120	\$ 45.00	\$ 5.40	\$ 1,658.56	\$ 5,037.10	
74		Excavation	CY	171	0%	171	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 8,446.35	\$ 8,446.35	
75		Clean Well Graded Material	CY	55	0%	55	\$ 26.00	\$ 1,420.78	0.050	\$ 45.00	\$ 2.25	\$ 122.95	\$ 1,543.73	
76		Backfill	CY	114	0%	114	\$ -	\$ -	0.016	\$ 45.00	\$ 0.72	\$ 81.90	\$ 81.90	
77		2" Poly Water Service Line	LF	93	0%	93	\$ 13.00	\$ 1,203.41	0.040	\$ 45.00	\$ 1.80	\$ 166.63	\$ 1,370.04	
78		Excavation	CY	37	0%	37	\$ -	\$ -	1.100	\$ 45.00	\$ 49.50	\$ 1,841.37	\$ 1,841.37	
79		Clean Well Graded Material	CY	12	0%	12	\$ 26.00	\$ 321.02	0.050	\$ 45.00	\$ 2.25	\$ 27.78	\$ 348.80	
80														

Note:

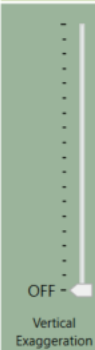
1. Please verify the equipment's and their prices with owner.
2. Online sources are used for pricing.
3. Prices can vary depending upon field conditions.



Colour Key



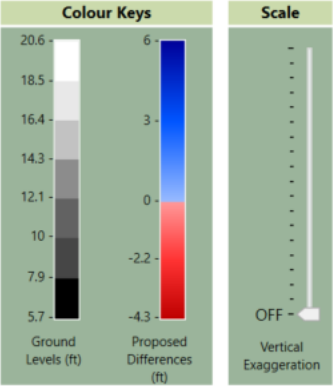
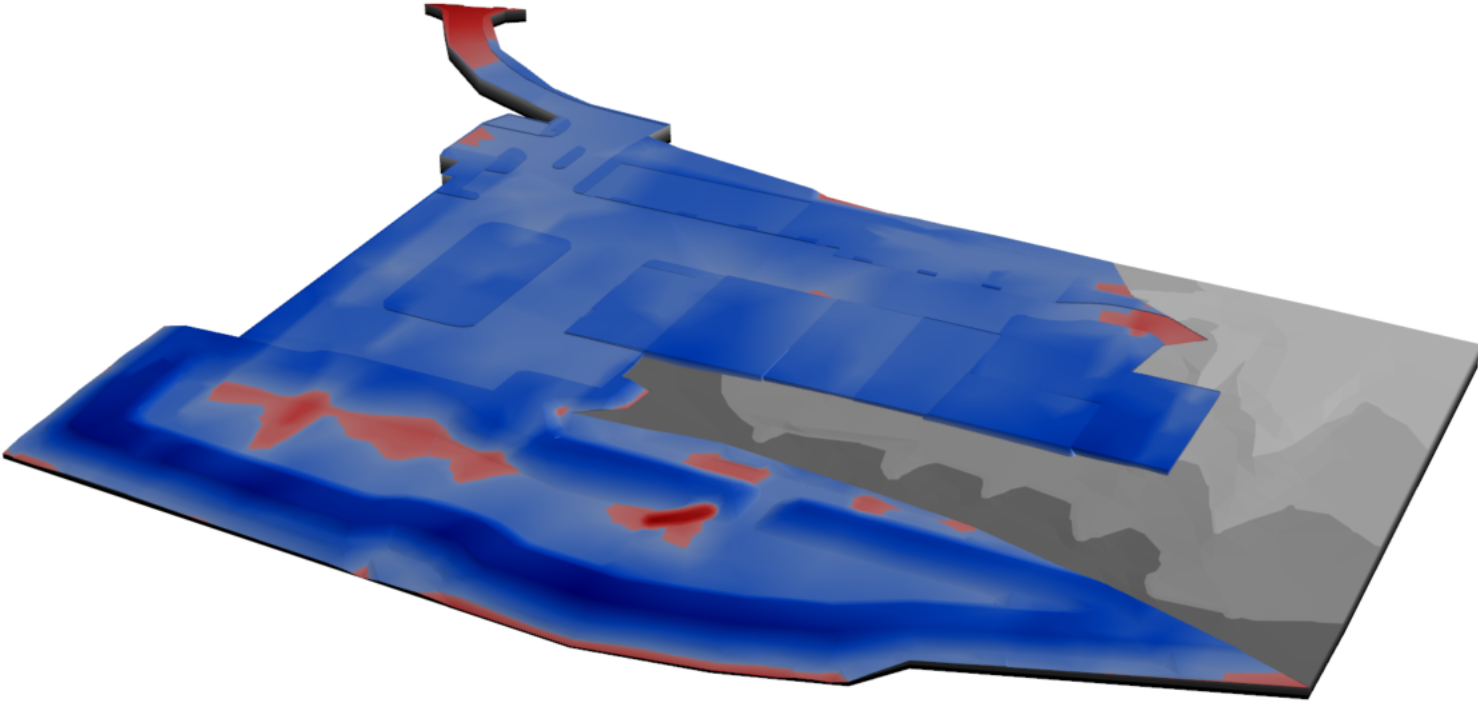
Scale



Cut	
Volume	424.70yd ³
2D Area	14,829.70ft ²
3D Area	15,278.01ft ²
Depths	0.77ft Av., 4.34ft Max.
Levels	5.80ft to 18.52ft

Fill	
Volume	13,806.50yd ³
2D Area	219,141.14ft ²
3D Area	224,398.88ft ²
Heights	1.70ft Av., 5.98ft Max.
Levels	6.39ft to 19.48ft

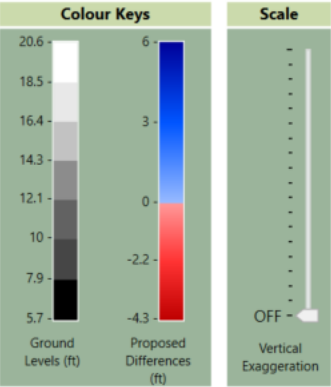
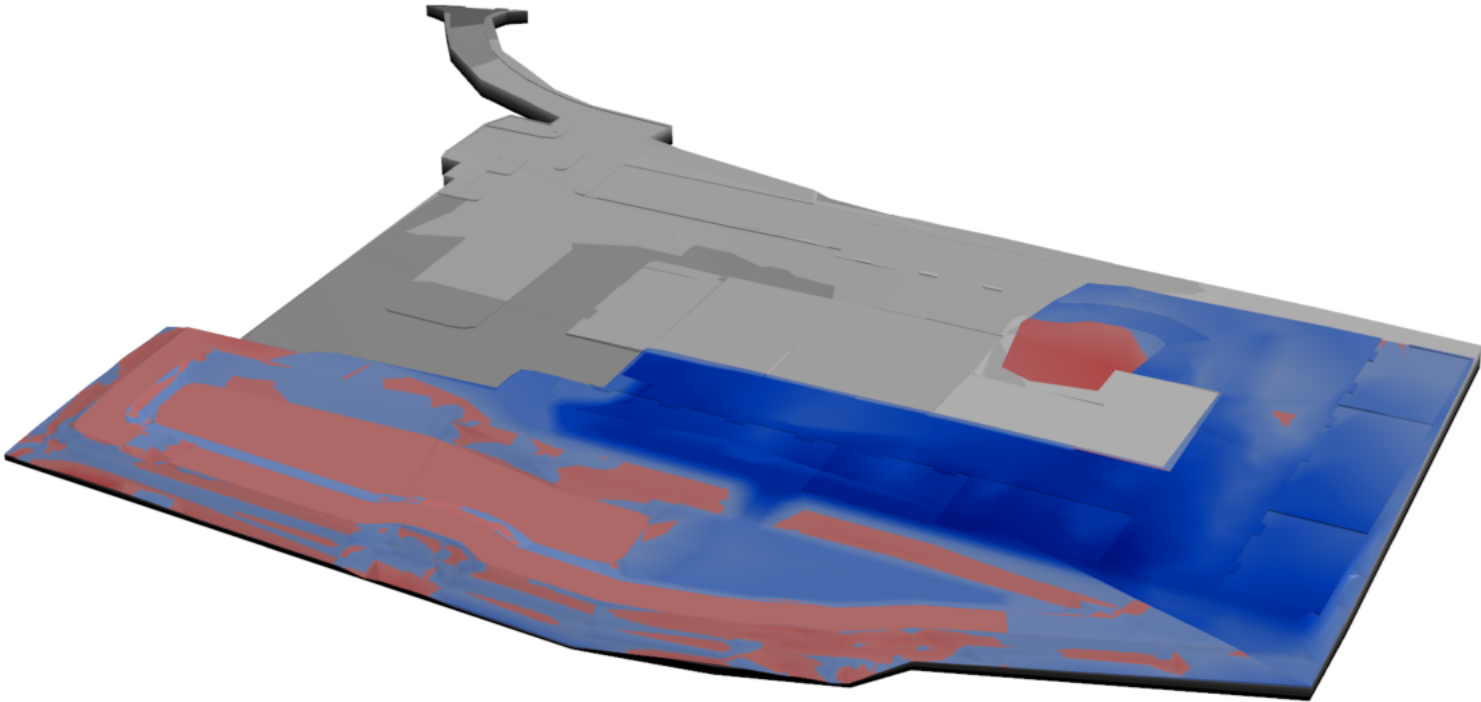
Cut & Fill	
Net Volume	13,381.80yd ³ fill
2D Area	233,970.84ft ²
3D Area	239,676.89ft ²
Range	-4.34ft to 5.98ft, 1.54ft Av.
Levels	5.80ft to 19.48ft

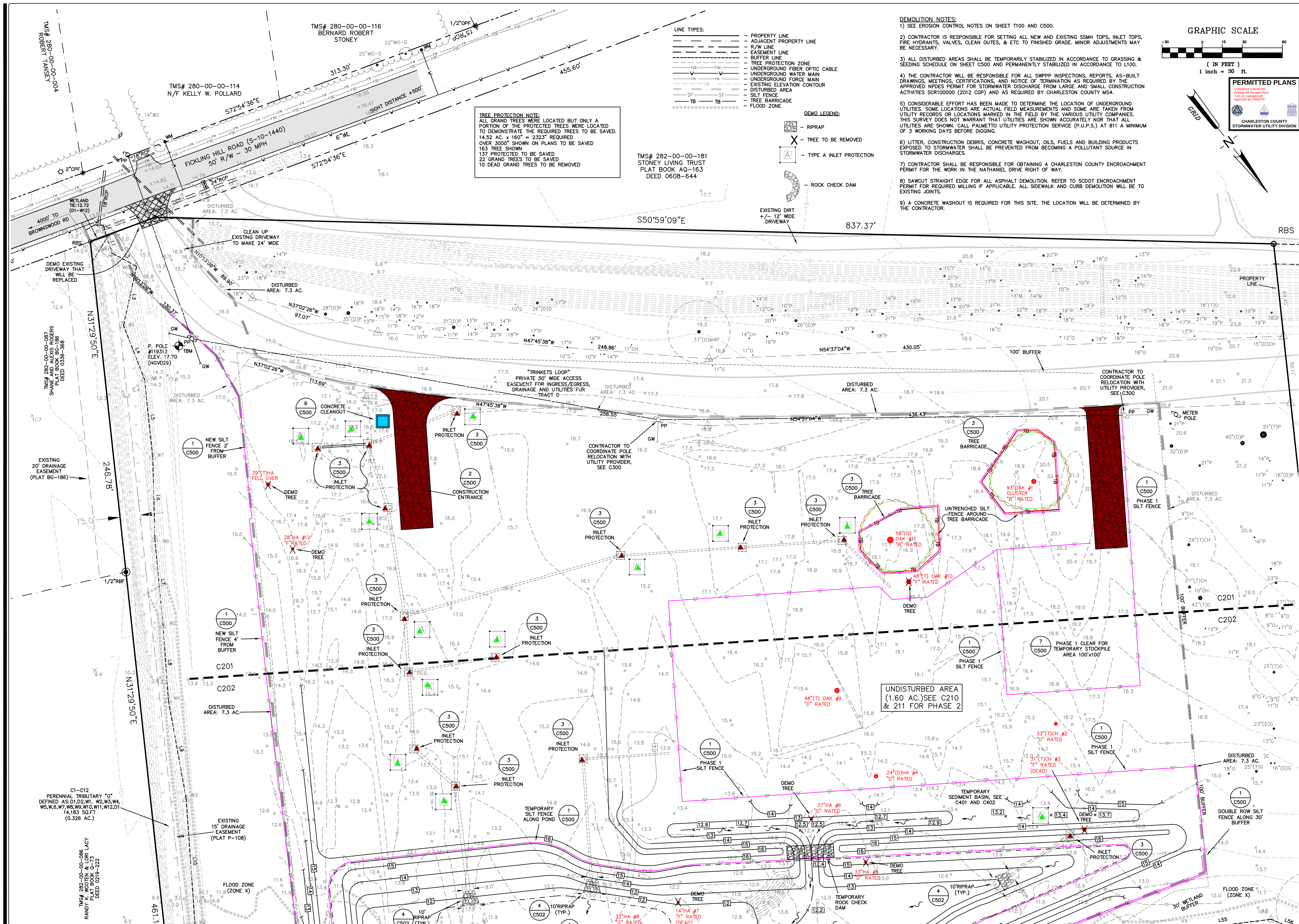


Cut	
Volume	175.56yd ³
2D Area	25,302.90ft ²
3D Area	25,920.61ft ²
Depths	0.19ft Av., 1.62ft Max.
Levels	5.70ft to 19.50ft

Fill	
Volume	7,454.06yd ³
2D Area	147,774.25ft ²
3D Area	150,073.04ft ²
Heights	1.36ft Av., 5.19ft Max.
Levels	6.58ft to 20.64ft

Cut & Fill	
Net Volume	7,278.50yd ³ fill
2D Area	173,077.15ft ²
3D Area	175,993.65ft ²
Range	-1.62ft to 5.19ft, 1.14ft Av.
Levels	5.70ft to 20.64ft

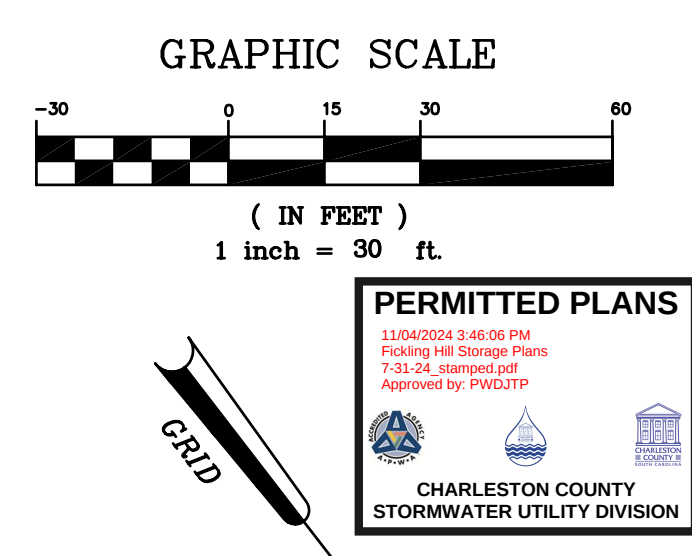




- LINE TYPES:**
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - R/W LINE
 - EASEMENT LINE
 - UNDERGROUND FIBER OPTIC CABLE
 - UNDERGROUND WATER MAIN
 - UNDERGROUND FORCE MAIN
 - EXISTING ELEVATION CONTOUR
 - DISTURBED AREA
 - SILT FENCE
 - TREE BARRICADE
 - FLOOD ZONE
- DEMO LEGEND:**
- RIPRAP
 - X — TREE TO BE REMOVED
 - [A] — TYPE A INLET PROTECTION
 - ROCK CHECK DAM

TREE PROTECTION NOTE:
ALL GRAND TREES WERE LOCATED BUT ONLY A PORTION OF THE PROTECTED TREES WERE LOCATED TO DEMONSTRATE THE REQUIRED TREES TO BE SAVED. 14.52 AC. x 160' = 2323' REQUIRED OVER 3000' SHOWN ON PLANS TO BE SAVED 163 TREE SHOWN 137 PROTECTED TO BE SAVED 22 GRAND TREES TO BE SAVED 10 DEAD GRAND TREES TO BE REMOVED

- DEMOLITION NOTES:**
- 1) SEE EROSION CONTROL NOTES ON SHEET T100 AND C500.
 - 2) CONTRACTOR IS RESPONSIBLE FOR SETTING ALL NEW AND EXISTING SSMH TOPS, INLET TOPS, FIRE HYDRANTS, VALVES, CLEAN OUTS, & ETC TO FINISHED GRADE. MINOR ADJUSTMENTS MAY BE NECESSARY.
 - 3) ALL DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED IN ACCORDANCE TO GRASSING & SEEDING SCHEDULE ON SHEET C500 AND PERMANENTLY STABILIZED IN ACCORDANCE TO T100.
 - 4) THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SWPPP INSPECTIONS, REPORTS, AS-BUILT DRAWINGS, MEETINGS, CERTIFICATIONS, AND NOTICE OF TERMINATION AS REQUIRED BY THE APPROVED NPDES PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES SCRI00000 (2012 CGP) AND AS REQUIRED BY CHARLESTON COUNTY MS4.
 - 5) CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS OR LOCATIONS MARKED IN THE FIELD BY THE VARIOUS UTILITY COMPANIES. THIS SURVEY DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. CALL PALMETTO UTILITY PROTECTION SERVICE (P.U.P.S.) AT 811 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING.
 - 6) LITTER, CONSTRUCTION DEBRIS, CONCRETE WASHOUT, OILS, FUELS AND BUILDING PRODUCTS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.
 - 7) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CHARLESTON COUNTY ENCROACHMENT PERMIT FOR THE WORK IN THE NATHANIEL DRIVE RIGHT OF WAY.
 - 8) SAWCUT STRAIGHT EDGE FOR ALL ASPHALT DEMOLITION. REFER TO SCDOT ENCROACHMENT PERMIT FOR REQUIRED MILLING IF APPLICABLE. ALL SIDEWALK AND CURB DEMOLITION WILL BE TO EXISTING JOINTS.
 - 9) A CONCRETE WASHOUT IS REQUIRED FOR THIS SITE. THE LOCATION WILL BE DETERMINED BY THE CONTRACTOR.



FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SAVANNAH HIGHWAY SUITE B
P.O. BOX 30575
CHARLESTON, SOUTH CAROLINA 29417
(803) 799-1000
CIVIL ENGINEERING, SURVEYING AND LAND PLANNING

SOUTH CAROLINA
FORSBERG ENGINEERING & SURVEYING, INC.
No. C00343
CERTIFICATE OF AUTHORIZATION

DEMOLITION & EROSION CONTROL PLAN - PHASE 1
FICKLING HILL ROAD STORAGE AREA
JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

SOUTH CAROLINA
PROFESSIONAL SEAL
GADSDEN A. LINTON III
124925
1/24

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

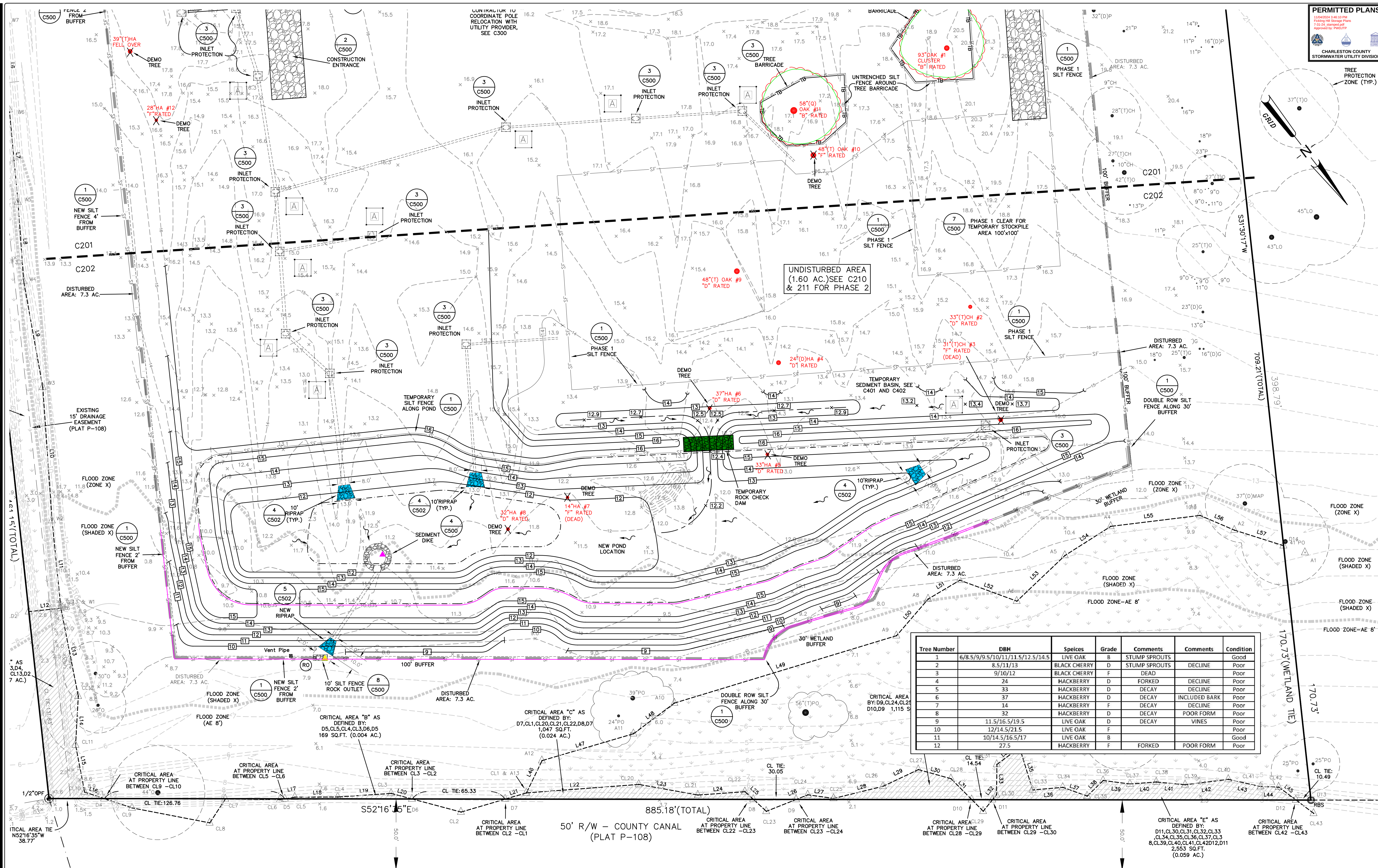
LAST REVISED
JULY 31 2024

APPROVED
MSJ

SCALE
1" = 30'

PROJECT NO.
6219

SHEET NUMBER
C201
OF TOTAL



PERMITTED PLANS
11/05/2024 2:45:10 PM
Drawing File: C202.dwg
1:33:25, stamped.pdf
Approved by: PMSJ/TJP

CHARLESTON COUNTY
STORMWATER UTILITY DIVISION

FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SANDY CREEK DRIVE, SUITE B
CHARLESTON, SOUTH CAROLINA 29417
(843) 571-2622 FAX (843) 571-6780
CIVIL ENGINEERING, SURVEYING
AND LAND PLANNING

SOUTH CAROLINA
FORSBERG ENGINEERING & SURVEYING, INC.
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DEMOLITION & EROSION CONTROL PLAN - PHASE 1
FICKLING HILL ROAD STORAGE AREA
JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

SOUTH CAROLINA
REGISTERED PROFESSIONAL
GADSDEN A. LINTON III
17922
1/24/24
GADSDEN A. LINTON III

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

LAST REVISED
JULY 31 2024

APPROVED
MSJ

SCALE
1" = 30'

PROJECT NO.
6219

SHEET NUMBER
C202
OF TOTAL

Tree Number	DBH	Species	Grade	Comments	Comments	Condition
1	6/8.5/9/9.5/10/11/11.5/12.5/14.5	LIVE OAK	B	STUMP SPROUTS		Good
2	8.5/11/13	BLACK CHERRY	D	STUMP SPROUTS	DECLINE	Poor
3	9/10/12	BLACK CHERRY	F	DEAD		Poor
4	24	HACKBERRY	D	FORKED	DECLINE	Poor
5	33	HACKBERRY	D	DECAY	DECLINE	Poor
6	37	HACKBERRY	D	DECAY	INCLUDED BARK	Poor
7	14	HACKBERRY	F	DECAY	DECLINE	Poor
8	32	HACKBERRY	D	DECAY	POOR FORM	Poor
9	11.5/16.5/19.5	LIVE OAK	D	DECAY	VINES	Poor
10	12/14.5/21.5	LIVE OAK	F			Poor
11	10/14.5/16.5/17	LIVE OAK	B			Good
12	27.5	HACKBERRY	F	FORKED	POOR FORM	Poor

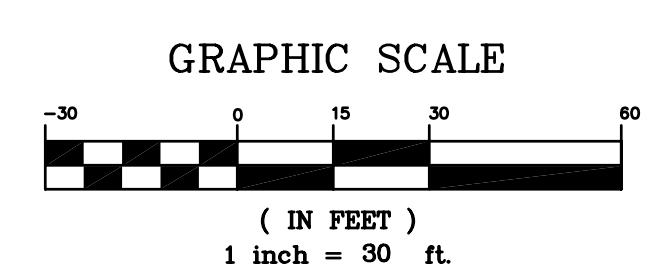
811
Know what's below.
Call before you dig.

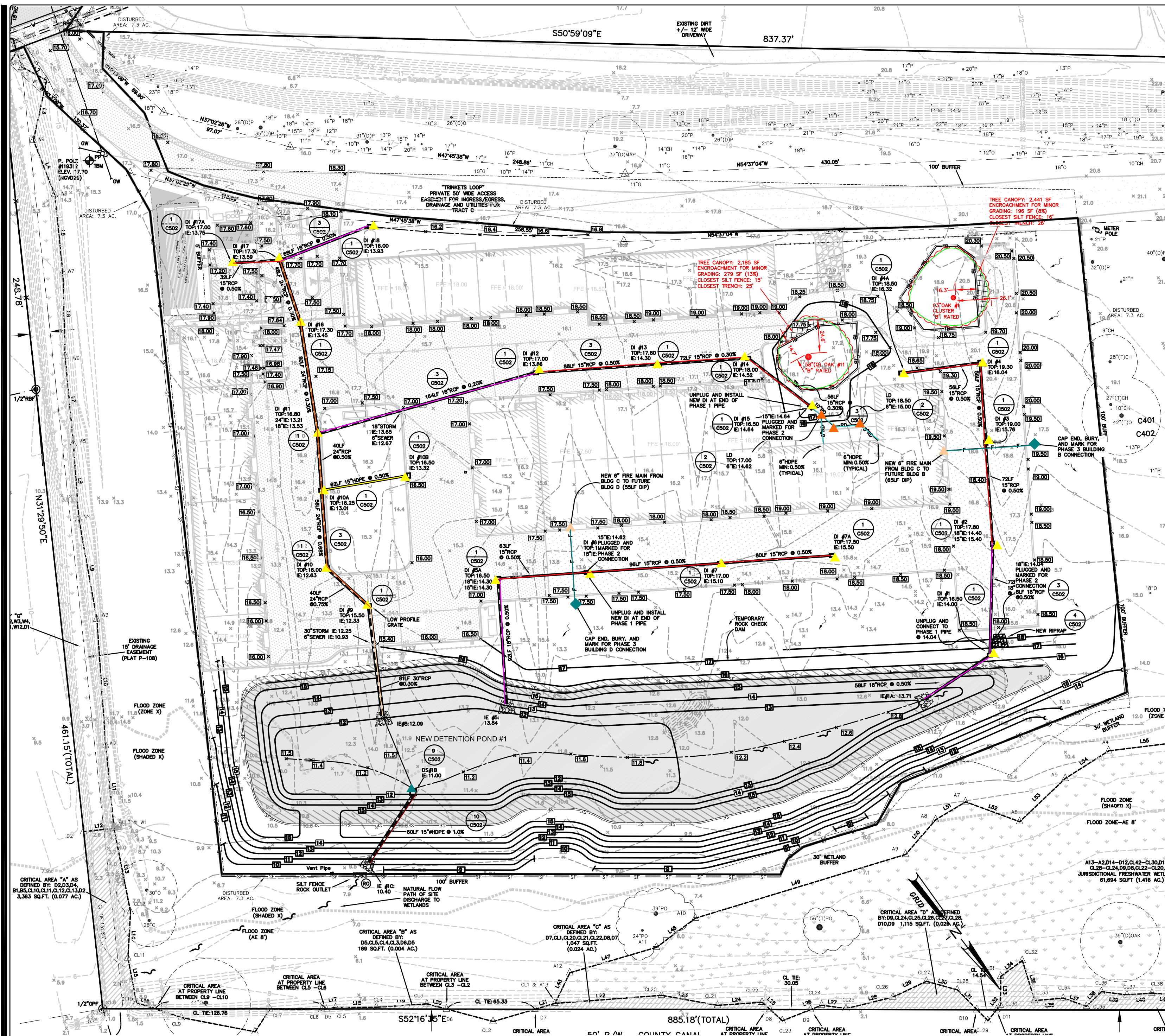
THE SOUTH CAROLINA STATE LAW REQUIRES THAT EXCAVATORS GIVE A 72-HOUR NOTICE (3 WORKING DAYS EXCLUDING WEEKENDS AND HOLIDAYS) FOR THE LOCATORS TO GET OUT TO MARK THE AREA. AFTER A TICKET HAS BEEN PROCESSED, YOU WILL KNOW WHEN YOU ARE LEGALLY FREE TO PROCEED WITH THE DIGGING WORK AND WHICH UTILITIES IN THE AREA F.U.P.'S WILL BE NOTIFYING FOR YOU. ANY UTILITIES THAT F.U.P.'S DOES NOT NOTIFY YOU WILL BE RESPONSIBLE FOR NOTIFYING DIRECTLY. THE UTILITY COMPANIES ASK THAT YOU LEAVE A 2 1/2 FEET MARGIN ON EACH SIDE OF A MARKED UTILITY LINE. ALSO NOTIFY THAT YOUR REQUEST IS GOOD FOR 15 WORKING DAYS AFTER IT HAS BEEN PROCESSED BY OUR SYSTEM.

CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS. THIS PLAN DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING DIGGING OPERATIONS. CALL PALMETO UTILITIES PROTECTION SERVICE AT 811 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.

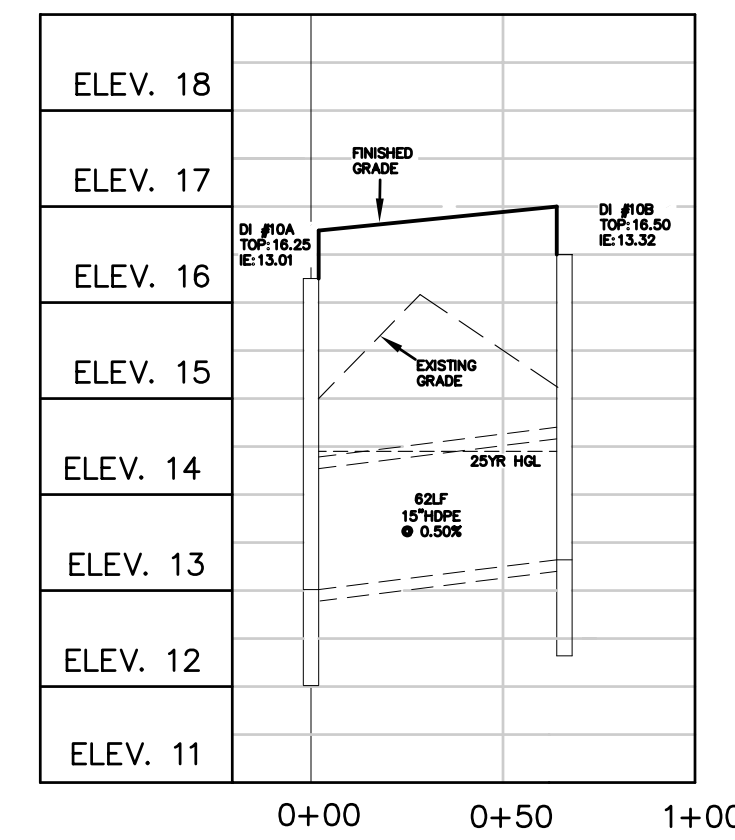
TMS# 282-00-00-088
JOSEPH JENKINS ETAL
PLAT BOOK: NONE
DEED M206-429

TREE PROTECTION NOTE:
ALL GRAND TREES WERE LOCATED BUT ONLY A PORTION OF THE PROTECTED TREES WERE LOCATED TO DEMONSTRATE THE REQUIRED TREES TO BE SAVED.
14.52 AC. x 160" = 2333' REQUIRED
OVER 3000' SHOWN ON PLANS TO BE SAVED
163 TREE SHOWN
137 PROTECTED TO BE SAVED
22 GRAND TREES TO BE SAVED
4 DEAD GRAND TREES TO BE REMOVED

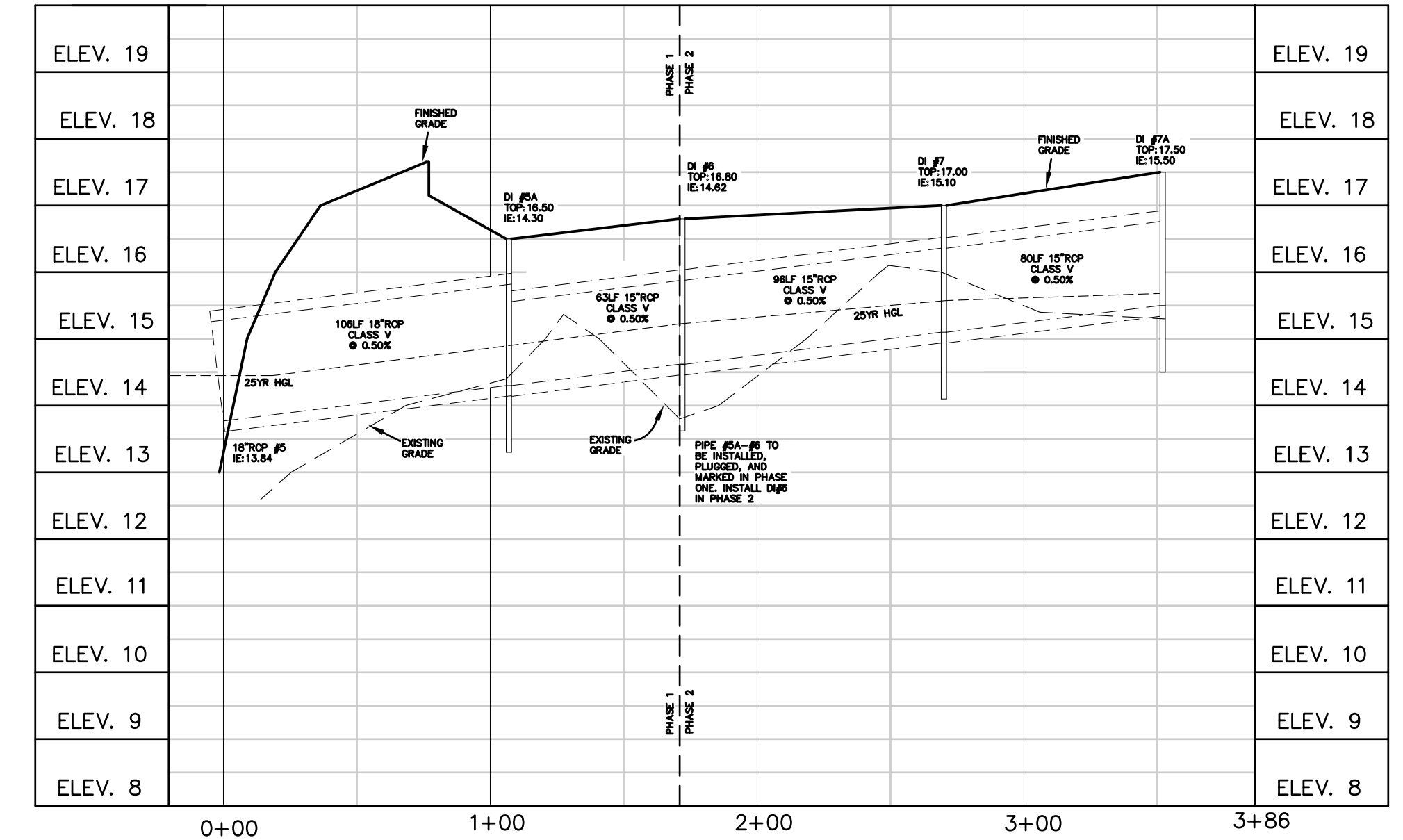




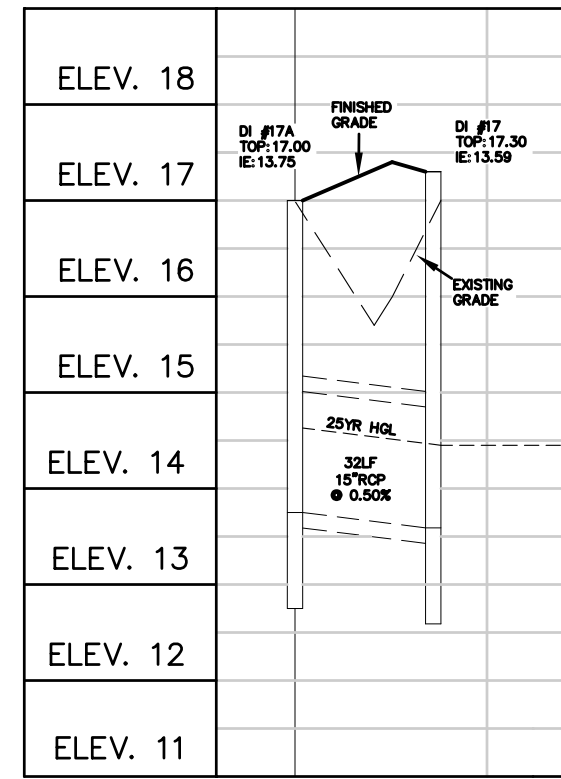
STORM PIPE PROFILE #10A-#10B



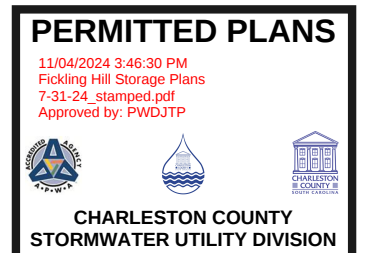
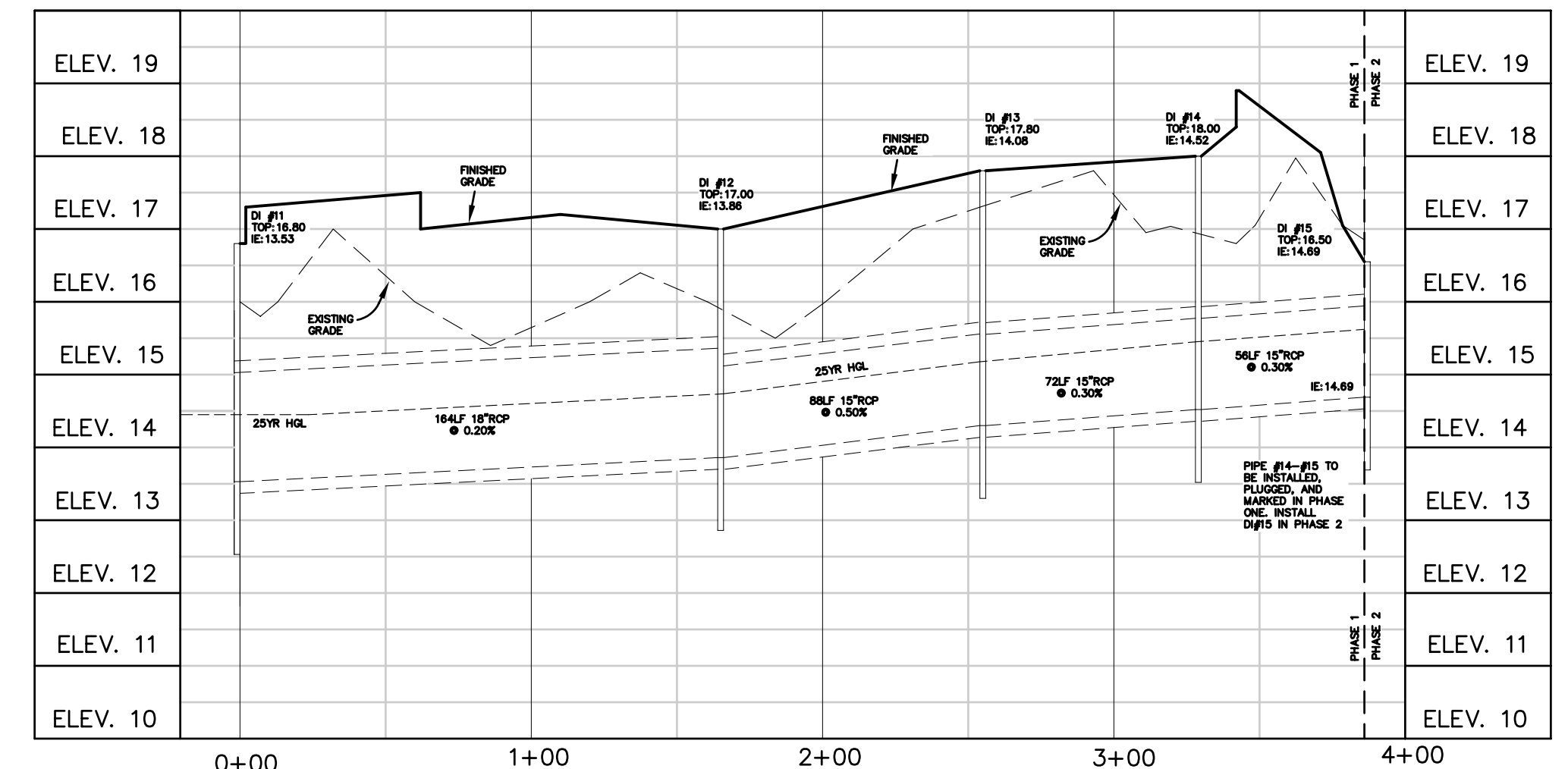
STORM PIPE PROFILE #5 - #7A



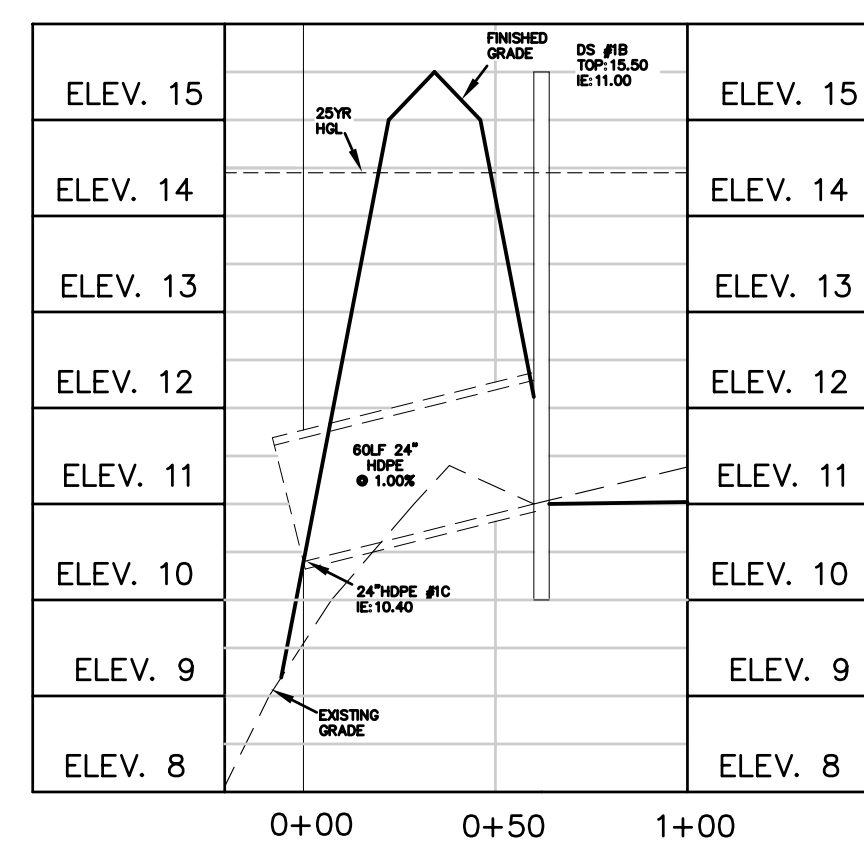
STORM PIPE PROFILE #17-#17A



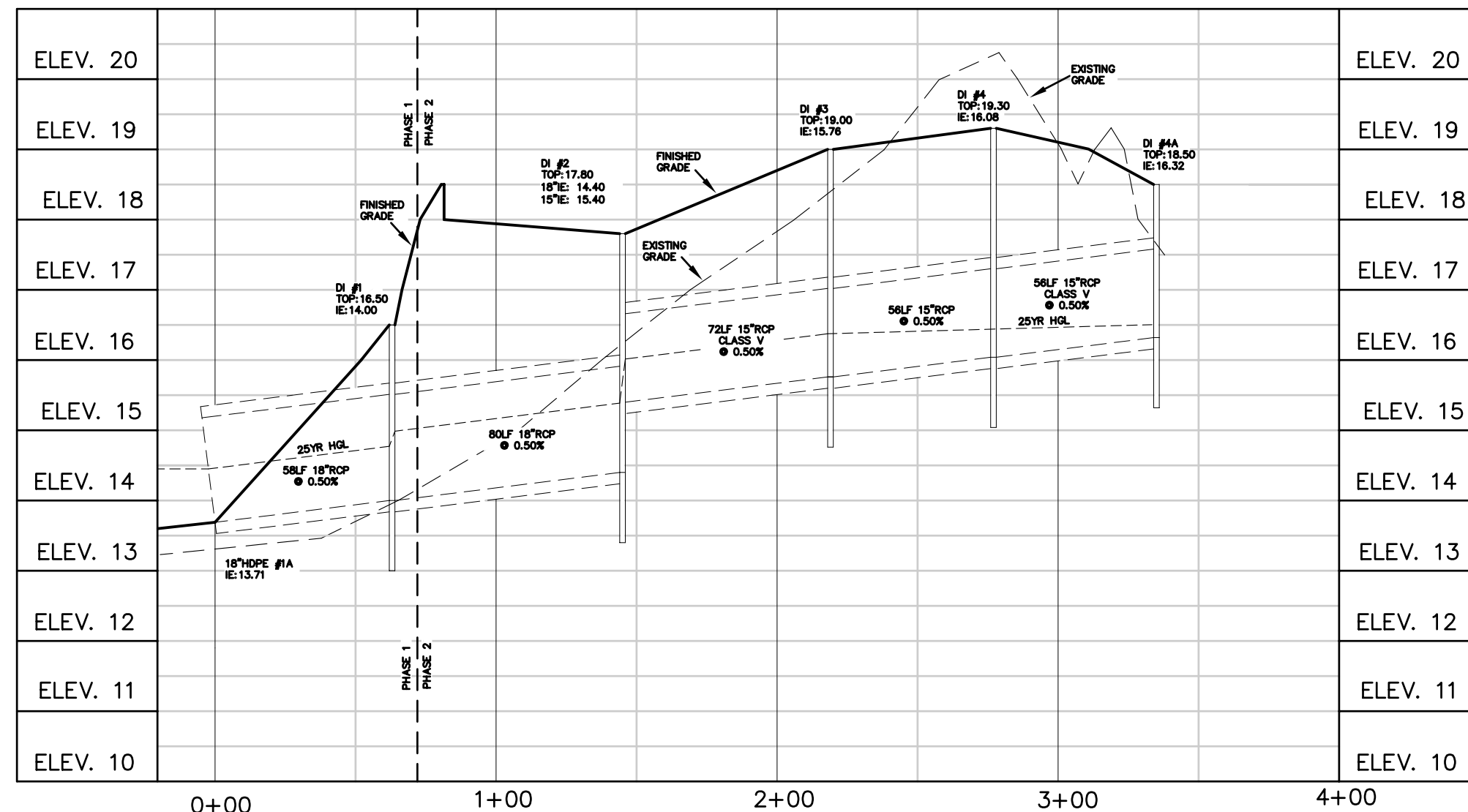
STORM PIPE PROFILE #11 - #15



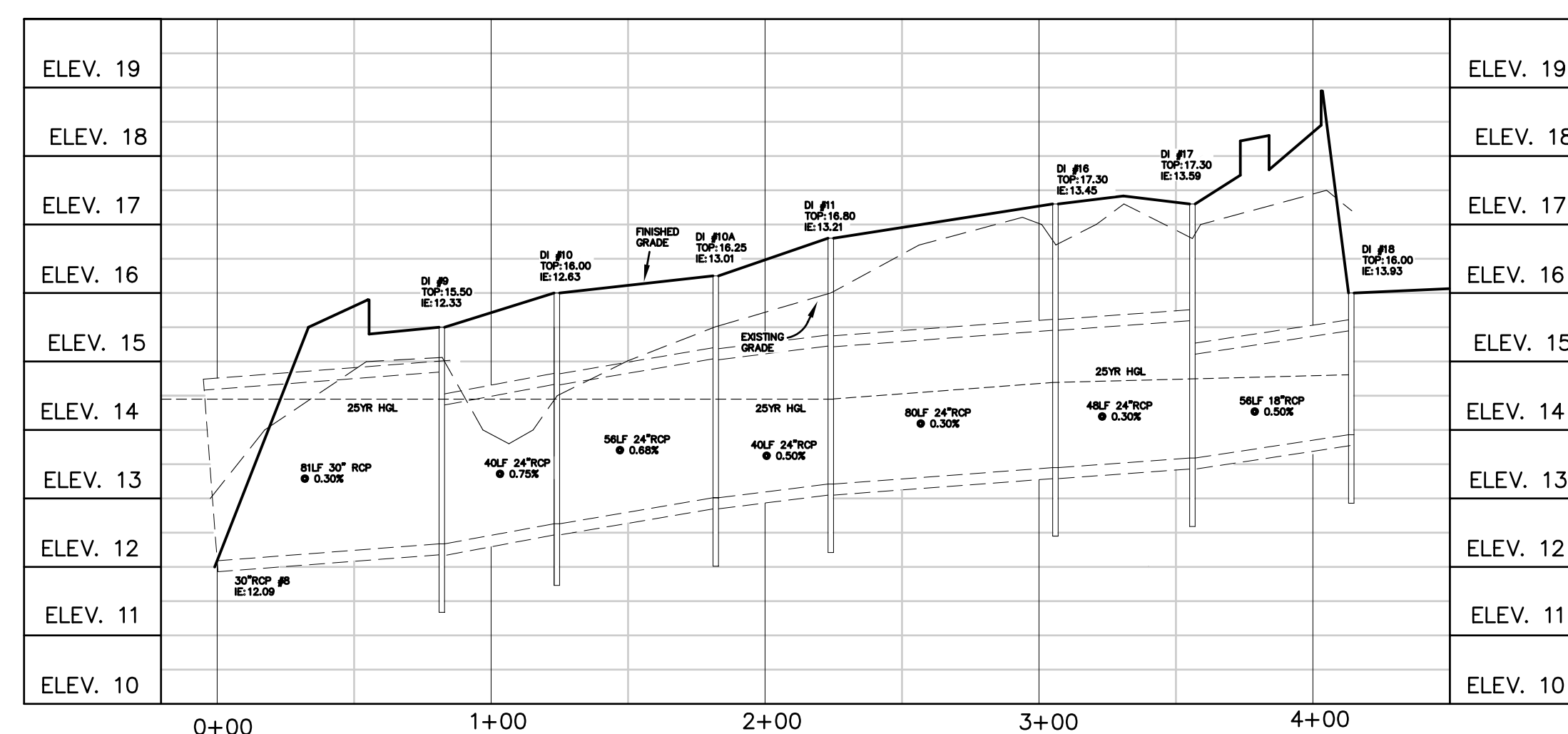
STORM PIPE PROFILE #1B-#1C



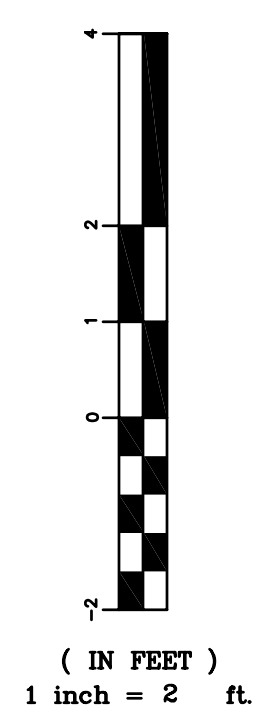
STORM PIPE PROFILE #1A - #4



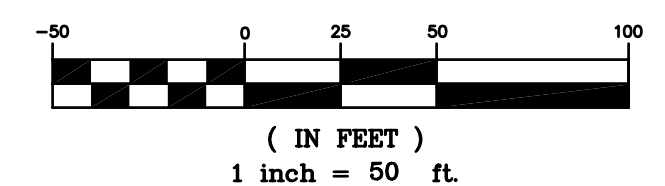
STORM PIPE PROFILE #8-#11, #16-19



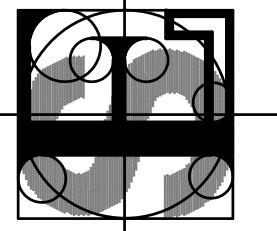
VERTICAL SCALE GRAPHIC SCALE



GRAPHIC SCALE



FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SAVANNAH HIGHWAY SUITE B
P.O. BOX 30575
CHARLESTON, SOUTH CAROLINA 29417
(843) 571-2622 FAX (843) 571-5780
CIVIL ENGINEERING, SURVEYING
AND LAND PLANNING



FORSBERG ENGINEERING AND SURVEYING, INC.
No. C00343
STATE OF SOUTH CAROLINA
FEDERATE OF AUTHORITY

DRAINAGE PIPE PROFILES - ALL PHASES
FICKLING HILL ROAD STORAGE AREA
JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

GADSDEN A. LINTON III
Professional Engineer
No. 129925
STATE OF SOUTH CAROLINA

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

LAST REVISED
JULY 31 2024

APPROVED
MSJ

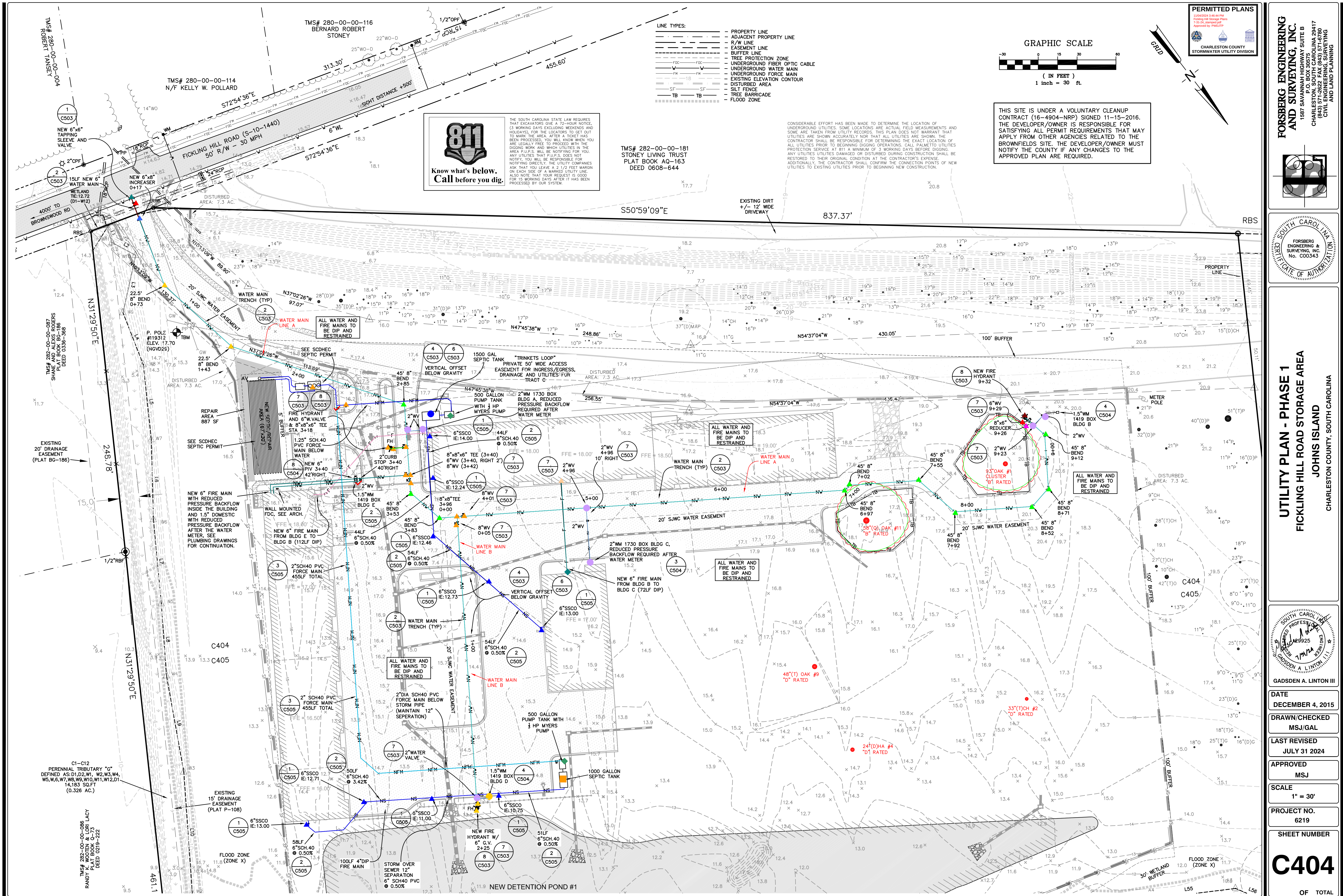
SCALE
VERTICAL: 1" = 2'
HORIZONTAL: 1" = 50'

PROJECT NO.
6219

SHEET NUMBER

C403A

OF TOTAL



FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SAVANNAH HIGHWAY SUITE B
P.O. BOX 30575
CHARLESTON, SOUTH CAROLINA 29417
CIVIL ENGINEERING, SURVEYING AND LAND PLANNING

PERMITTED PLANS
11/05/2024 1:46:44 PM
Drawing not to be used for
11/31/24, removed.pdf
Approved by: PMS017P
CHARLESTON COUNTY
STORMWATER UTILITY DIVISION

UTILITY PLAN - PHASE 1
FICKLING HILL ROAD STORAGE AREA
JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

GADSDEN A. LINTON III
PROFESSIONAL ENGINEER
SOUTH CAROLINA
129925
1/24/24
GADSDEN A. LINTON III

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

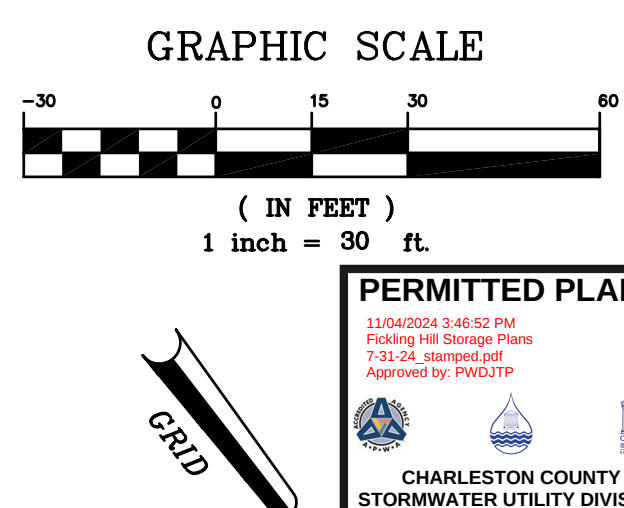
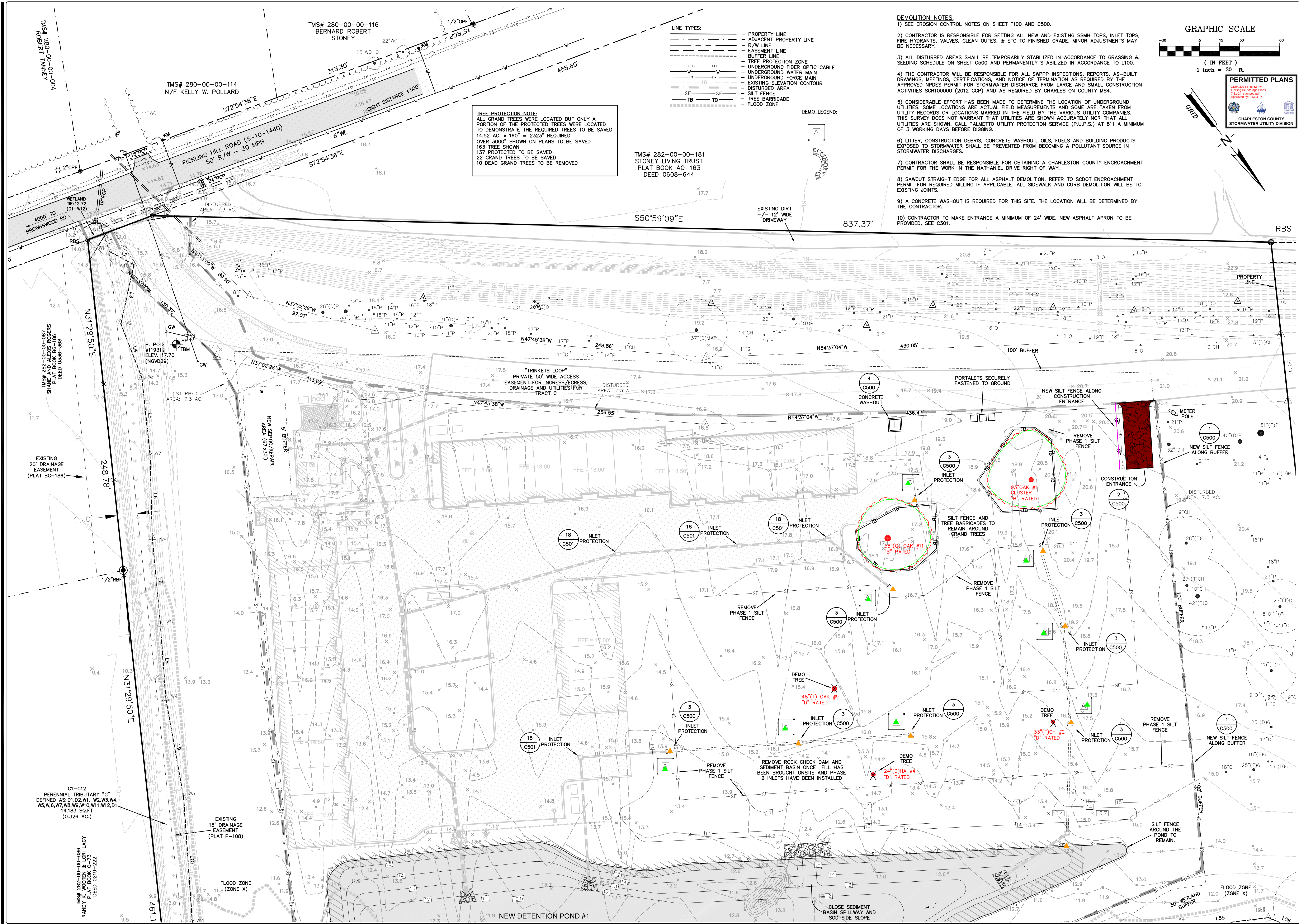
LAST REVISED
JULY 31 2024

APPROVED
MSJ

SCALE
1" = 30'

PROJECT NO.
6219

SHEET NUMBER
C404
OF TOTAL



- DEMOLITION NOTES:**
- 1) SEE EROSION CONTROL NOTES ON SHEET T100 AND C500.
 - 2) CONTRACTOR IS RESPONSIBLE FOR SETTING ALL NEW AND EXISTING SSMH TOPS, INLET TOPS, FIRE HYDRANTS, VALVES, CLEAN OUTS, & ETC TO FINISHED GRADE. MINOR ADJUSTMENTS MAY BE NECESSARY.
 - 3) ALL DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED IN ACCORDANCE TO GRASSING & SEEDING SCHEDULE ON SHEET C500 AND PERMANENTLY STABILIZED IN ACCORDANCE TO L100.
 - 4) THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SWPPP INSPECTIONS, REPORTS, AS-BUILT DRAWINGS, MEETINGS, CERTIFICATIONS, AND NOTICE OF TERMINATION AS REQUIRED BY THE APPROVED NPDES PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES SCRI00000 (2012 CGP) AND AS REQUIRED BY CHARLESTON COUNTY MS4.
 - 5) CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS OR LOCATIONS MARKED IN THE FIELD BY THE VARIOUS UTILITY COMPANIES. THIS SURVEY DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. CALL PALMETTO UTILITY PROTECTION SERVICE (P.U.P.S.) AT 811 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING.
 - 6) LITTER, CONSTRUCTION DEBRIS, CONCRETE WASHOUT, OILS, FUELS AND BUILDING PRODUCTS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.
 - 7) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CHARLESTON COUNTY ENCROACHMENT PERMIT FOR THE WORK IN THE NATHANIEL DRIVE RIGHT OF WAY.
 - 8) SAWCUT STRAIGHT EDGE FOR ALL ASPHALT DEMOLITION. REFER TO SCOT ENCROACHMENT PERMIT FOR REQUIRED MILLING IF APPLICABLE. ALL SIDEWALK AND CURB DEMOLITION WILL BE TO EXISTING JOINTS.
 - 9) A CONCRETE WASHOUT IS REQUIRED FOR THIS SITE. THE LOCATION WILL BE DETERMINED BY THE CONTRACTOR.
 - 10) CONTRACTOR TO MAKE ENTRANCE A MINIMUM OF 24' WIDE. NEW ASPHALT APRON TO BE PROVIDED. SEE C301.

FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SAVANNAH HIGHWAY SUITE B
PO BOX 1000 CHARLOTTE, NC 28217
(843) 571-2622 FAX (843) 571-6780
CIVIL ENGINEERING, SURVEYING AND LAND PLANNING

JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

DEMOLITION & EROSION CONTROL - PHASE 2
FICKLING HILL ROAD STORAGE AREA

GADSDEN A. LINTON III
REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
EXPIRATION DATE 12/31/2025
12/31/2025

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

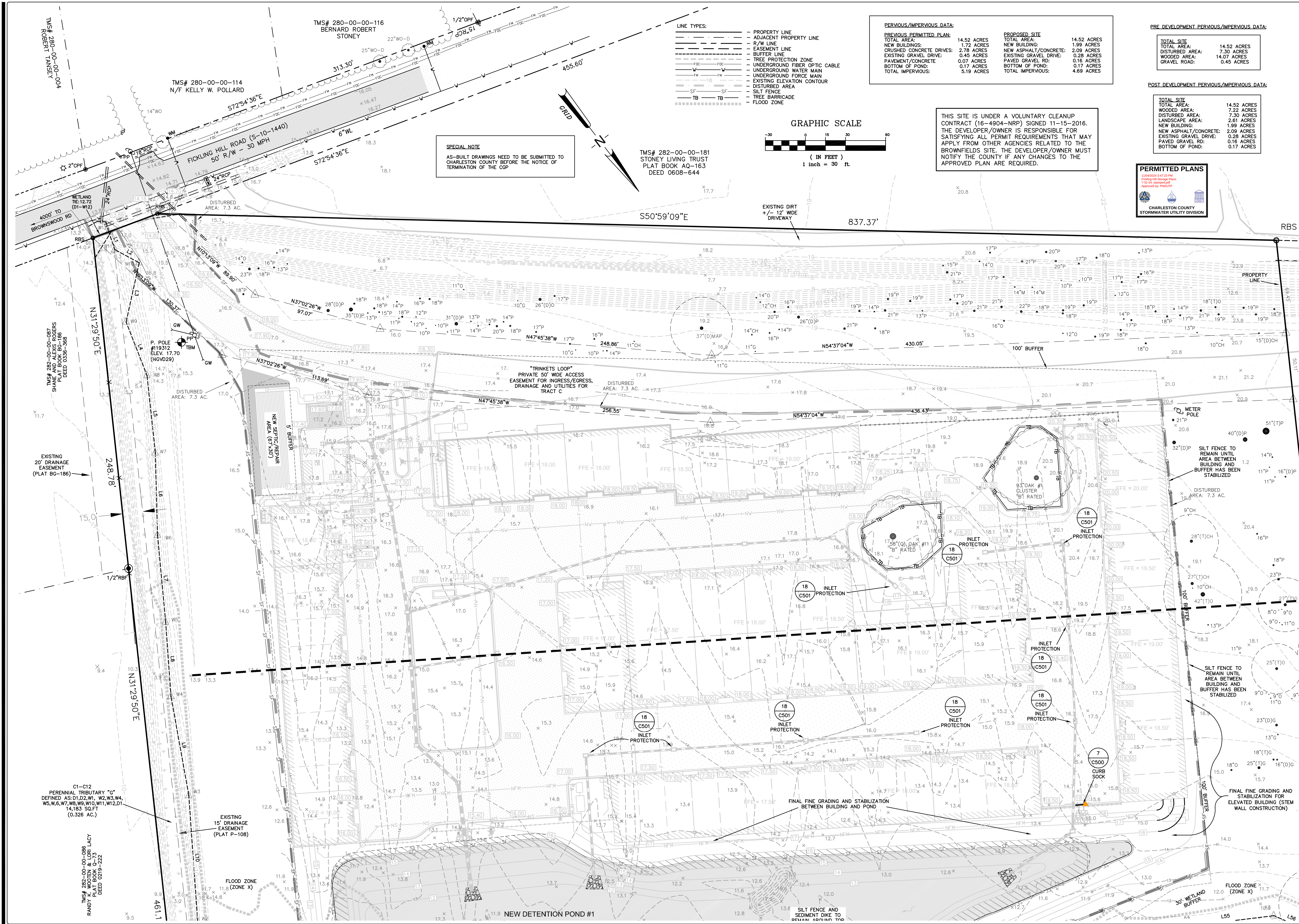
LAST REVISED
JULY 31 2024

APPROVED
MSJ

SCALE
1" = 30'

PROJECT NO.
6219

SHEET NUMBER
C211
OF TOTAL

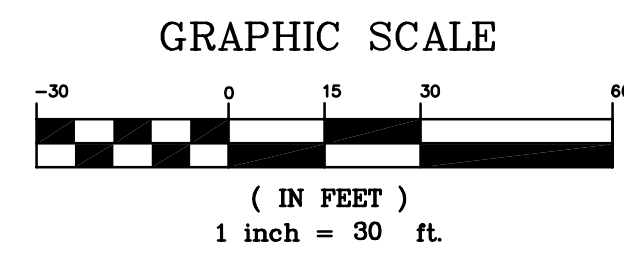


- LINE TYPES:
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - R/W LINE
 - EASEMENT LINE
 - BUFFER LINE
 - TREE PROTECTION ZONE
 - UNDERGROUND FIBER OPTIC CABLE
 - UNDERGROUND WATER MAIN
 - UNDERGROUND FORCE MAIN
 - EXISTING ELEVATION CONTOUR
 - DISTURBED AREA
 - SILT FENCE
 - TREE BARRICADE
 - FLOOD ZONE

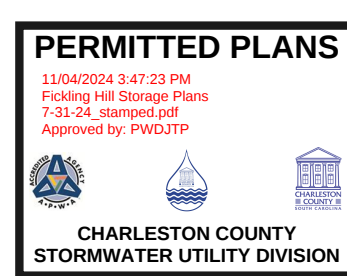
PERVIOUS/IMPERVIOUS DATA:			
PREVIOUS PERMITTED PLAN:		PROPOSED SITE:	
TOTAL AREA:	14.52 ACRES	TOTAL AREA:	14.52 ACRES
NEW BUILDINGS:	1.72 ACRES	NEW BUILDING:	1.99 ACRES
CRUSHED CONCRETE DRIVES:	2.78 ACRES	NEW ASPHALT/CONCRETE:	2.09 ACRES
EXISTING GRAVEL DRIVE:	0.45 ACRES	EXISTING GRAVEL DRIVE:	0.28 ACRES
PAVEMENT/CONCRETE:	0.07 ACRES	PAVED GRAVEL RD:	0.16 ACRES
BOTTOM OF POND:	0.17 ACRES	BOTTOM OF POND:	0.17 ACRES
TOTAL IMPERVIOUS:	5.19 ACRES	TOTAL IMPERVIOUS:	4.69 ACRES

PRE DEVELOPMENT PERVIOUS/IMPERVIOUS DATA:	
TOTAL SITE:	14.52 ACRES
TOTAL AREA:	14.52 ACRES
DISTURBED AREA:	7.30 ACRES
LANDSCAPE AREA:	2.61 ACRES
NEW BUILDING:	1.99 ACRES
NEW ASPHALT/CONCRETE:	2.09 ACRES
EXISTING GRAVEL DRIVE:	0.28 ACRES
PAVED GRAVEL RD:	0.16 ACRES
BOTTOM OF POND:	0.17 ACRES

POST DEVELOPMENT PERVIOUS/IMPERVIOUS DATA:	
TOTAL SITE:	14.52 ACRES
TOTAL AREA:	14.52 ACRES
DISTURBED AREA:	7.30 ACRES
LANDSCAPE AREA:	2.61 ACRES
NEW BUILDING:	1.99 ACRES
NEW ASPHALT/CONCRETE:	2.09 ACRES
EXISTING GRAVEL DRIVE:	0.28 ACRES
PAVED GRAVEL RD:	0.16 ACRES
BOTTOM OF POND:	0.17 ACRES



THIS SITE IS UNDER A VOLUNTARY CLEANUP CONTRACT (16-4904-NRP) SIGNED 11-15-2016. THE DEVELOPER/OWNER IS RESPONSIBLE FOR SATISFYING ALL PERMIT REQUIREMENTS THAT MAY APPLY FROM OTHER AGENCIES RELATED TO THE BROWNFIELDS SITE. THE DEVELOPER/OWNER MUST NOTIFY THE COUNTY IF ANY CHANGES TO THE APPROVED PLAN ARE REQUIRED.



FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SAVANNAH HIGHWAY SUITE B
P.O. BOX 30675
CHARLESTON, SOUTH CAROLINA 29417
(843) 571-2622 FAX (843) 571-6780
CIVIL ENGINEERING, SURVEYING AND LAND PLANNING

FINAL GRADING AND EROSION CONTROL PLAN - PHASE 3
FICKLING HILL ROAD STORAGE AREA
JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

GADSSEN A. LINTON III
29925
1/1/21
CADDEN A. LINTON III

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

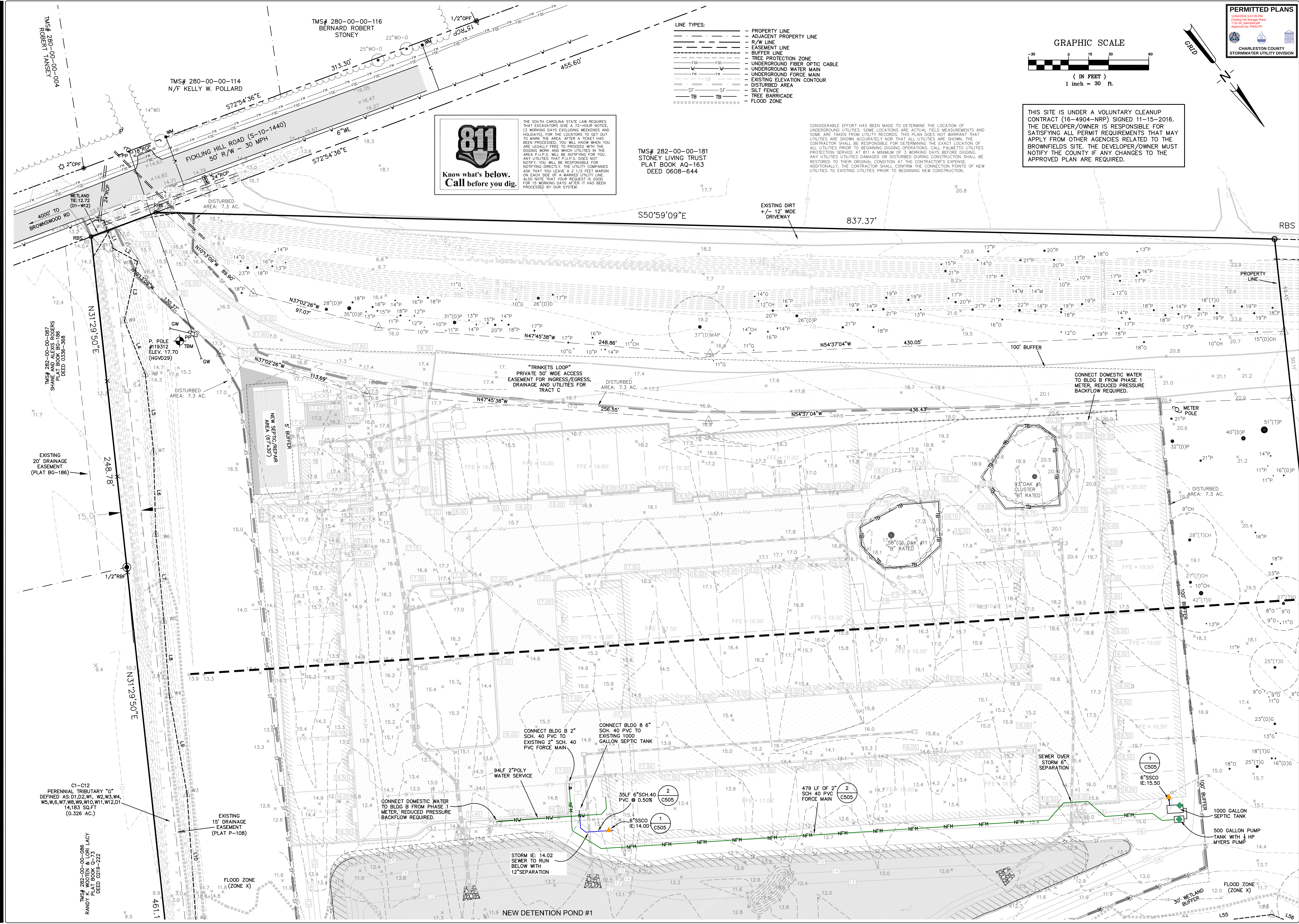
LAST REVISED
JULY 31 2024

APPROVED
MSJ

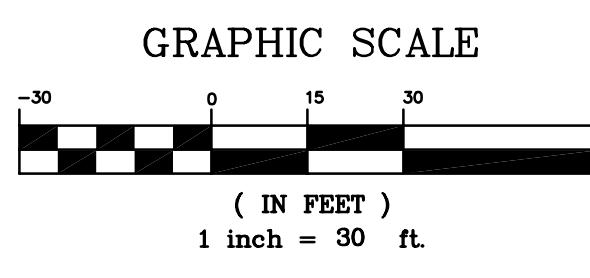
SCALE
1" = 30'

PROJECT NO.
6219

SHEET NUMBER
C421
OF TOTAL



- LINE TYPES:
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - R/W LINE
 - EASEMENT LINE
 - BUFFER LINE
 - TREE PROTECTION ZONE
 - UNDERGROUND FIBER OPTIC CABLE
 - UNDERGROUND WATER MAIN
 - UNDERGROUND FORCE MAIN
 - EXISTING ELEVATION CONTOUR
 - DISTURBED AREA
 - SILT FENCE
 - TREE BARRICADE
 - FLOOD ZONE



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811

Know what's below.
Call before you dig.

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TMS# 282-00-00-181
STONEY LIVING TRUST
PLAT BOOK AQ-163
DEED 0608-644

CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS. THIS PLAN DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING DIGGING OPERATIONS. CALL PALMETTO UTILITIES PROTECTION SERVICE AT 811 AT A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING. ANY UTILITIES UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.

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CHARLESTON SOUTH CAROLINA 29417
(843) 571-2622 FAX (843) 571-6780
CIVIL ENGINEERING, SURVEYING AND LAND PLANNING

UTILITY PLAN - PHASE 3
FICKLING HILL ROAD STORAGE AREA
JOHNS ISLAND
CHARLESTON COUNTY, SOUTH CAROLINA

GADSDEN A. LINTON III
SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
EXPIRATION DATE 12/31/2025
1/11/14

DATE
DECEMBER 4, 2015

DRAWN/CHECKED
MSJ/GAL

LAST REVISED
JULY 31 2024

APPROVED
MSJ

SCALE
1" = 30'

PROJECT NO.
6219

SHEET NUMBER
C424
OF TOTAL