# BERKELEY-DORCHESTER REACH INTERCONNECT DIVISION I

IF ARCHEOLOGICAL MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE PROCEDURES CODIFIED AT 22 CFR 800.13(B) WILL APPLY AND EDA AND THE SOUTH CAROLINA STATE HISTORICAL PRESERVATION OFFICE SHALL BE CONTACTED IMMEDIATELY. ARCHEOLOGICAL MATERIALS CONSIST OF ANY ITEMS, FIFTY YEARS OR OLDER WHICH WERE MADE OR USED BY MAN. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, STONE PROJECTILE POINTS (ARROWHEADS), CERAMIC SHERDS, BRICKS WORKED WOOD, BONE AND STONE, METAL AND GLASS OBJECTS, AND HUMAN SKELETAL REMAINS.





BERKELEY COUNTY, SC

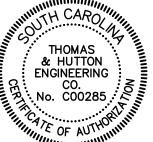
EDA # 04-07-07-289 PREPARED FOR: BERKELEY COUNTY 1003 HIGHWAY 52 PO BOX 6122 MONCKS CORNER, SC 29461

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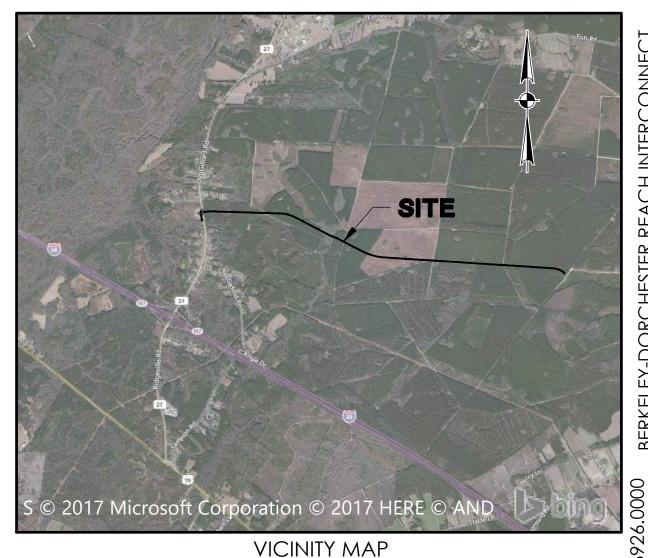
JANUARY 11, 2021

J-26926.0000





PREPARED BY:



SCALE: 1" = 4,000'

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	<b>REVISION HISTORY</b>		
4	DIVISION 1	JTB	01-11-202
3	PER 90% BCWS COMMENTS	JTB	10/17/201
2	PER 60% BCWS COMMENTS	JTB	6/26/201
1	PER 30% BCWS COMMENTS	JTB	9/9/2019
REV. NO.	REVISION	BY	DATE
PTC			4/23/20
SCDHEC			1/22/20
USACE			1/14/20
SCDOT			11/7/19
BC ROAD	& BRIDGE		10/31/1
BCWS			7/9/19
	SUBMITTED TO		DATE
	1501 Mair Colur	AS & HU urveying   Planning   0 n Street • Suite nbia, SC 29202 .6789 f.803.451.0	GIS   Con: 760

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EROSION CONT	ROL LEGEND
DESCRIPTION	PLAN SYMBOL
SILT FENCE	
CLEARING LIMITS	CL CL
LIMITS OF DISTURBANCE	LOD
SUBSURFACE DRAIN	(=]ssd(=]
TREE PROTECTION	
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
SODDING	SO
RIPRAP	
OUTLET PROTECTION - RIP RAP	
SEDIMENT TRAP	
ROCK CHECK DAM	
STABILIZED CONSTRUCTION ENTRANCE	
STORM DRAIN INLET PROTECTION — TYPE A FILTER FABRIC	
STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	E

WATER LEGEND								
DESCRIPTION	EXISTING	PROPOSED						
WATER MAIN	10"W	10"W						
SINGLE SERVICE LATERAL								
DOUBLE SERVICE LATERAL	>	>						
VALVE AND BOX	$\otimes$	$\mathbf{\Theta}$						
FIRE HYDRANT W/VALVE & BOX	⊗-ф-	€••						
POST HYDRANT	ΡÚ							
REDUCER								
BACKFLOW PREVENTOR								
CROSS	I I I I I I I I I I I I I I I I I I I	Η						
TEE	⊢ <u>⊥</u>	ب <del>ت</del> ب						
90° BEND – HORIZONTAL	Ч	ч						
45° BEND – HORIZONTAL	4	4						
22–½ BEND – HORIZONTAL	4	4						
11-4" BEND - HORIZONTAL		H						
BEND - VERTICAL	H	Н						
САР								

	ABBREVIATIONS											
HDPE	HIGH DENSITY POLYETHYLENE	JB	JUNCTION BOX	SDMH	STORM DRAINAGE							
BOT	воттом	LF	LINEAR FEET	SF	SQUARE FEET							
CI	CURB INLET	МАХ	MAXIMUM	SS	SANITARY SEWER							
CPP	CORRUGATED PLASTIC PIPE	MIN	MINIMUM	тс	TOP OF CURB							
DIP	DUCTILE IRON PIPE	мн	MANHOLE	TG	TOP OF GUTTER							
EL	ELEVATION	ос	ON CENTER	TP	TOP OF PAVEMENT							
FG	FINISH GRADE	PC	POINT OF CURVE	Т₩	TOP OF WALK							
FH	FIRE HYDRANT	PH	POST HYDRANT	TYP	TYPICAL							
FM	FORCE MAIN (SANITARY SEWER)	PT	POINT OF TANGENT	w	WATER							
FP	FINISH PAD	PVC	POLYVINYL CHLORIDE	W/	WITH							
FR	FRAME	RCP	REINFORCED CONCRETE	wv	WATER VALVE							
GI	GRATE INLET	RJP	RESTRAINED JOINT PIPE	YI	YARD INLET							
GV	GATE VALVE	R/W	RIGHT-OF-WAY									
INV	INVERT ELEVATION	SD	STORM DRAINAGE									

DRAINAGE LEGEND											
DESCRIPTION	EXISTING	PROPOSED									
PIPE	· ·										
DITCH		<b>──</b> ► · · · · <b>─</b> ─									
CURB INLET	0										
GRATE INLET		E									
JUNCTION BOX	0										
OUTLET STRUCTURE											

ADDITIONAL COST.

1. CONTRACTOR SHALL COORDINATE TIE-IN OF NEW WATER FACILITIES TO BERKELEY COUNTY WATER &SANITATION.

2. CONTRACTOR SHALL MAINTAIN MINIMUM COVER OVER THE WATER MAIN PIPE BARREL OF 4'-0" UNLESS OTHERWISE INDICATED IN NO CASE SHALL THE WATER MAIN BE INSTALLED AT A LOWER ELEVATION THAN THAT SHOWN.

- 3. SHOULD PIPE, FITTINGS, AND OTHER MATERIALS BE NEEDED IN ADDITION TO THAT SHOWN ON THE DRAWINGS BECAUSE PIPELINE WAS NOT INSTALLED TO THE ALIGNMENT AND PROFILE SHOWN, THEN THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THOSE NECESSARY MATERIALS AND PROVIDING THE EQUIPMENT AND LABOR TO INSTALL THEM TO MEET THE DESIGN INTENT OF THE WATERMAIN AT NO ADDITIONAL COST TO THE OWNER.
- 4. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 72 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND INSPECTIONS.
- 5. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- 6. ALL WATERMAINS SHALL BE POLYVINYL CHLORIDE (PVC C905) UNLESS OTHERWISE INDICATED. 7. SURVEYING AND BOUNDARY INFORMATION BY THOMAS & HUTTON
- 8. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88.
- 9. TOPOGRAPHIC SURVEY BY THOMAS & HUTTON.
- 10. CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
- 11. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRÀCTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
- 12. IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
- 13. THE CONTRACTOR SHALL INSTALL ANY BARRICADES PRIOR TO BEGINNING CONSTRUCTION
- 14. ANY DAMAGE TO EXISTING PAVEMENT MUST BE REPAIRED AT CONTRACTORS EXPENSE AND TO THE SATISFACTION OF THE COUNTY ENGINEER AND THE PROJECT ENGINEER.
- 15. ALL RIGHT-OF-WAY AND DRAINAGE EASEMENT CONSTRUCTION SHALL MEET SCDOT STANDARD SPECIFICATIONS UNLESS SPECIFIED ELSEWHERE AND APPROVED IN WRITING BY THE COUNTY ENGINEER. 16. WHERE FIELD INSPECTIONS ARE REQUIRED BY THE COUNTY, THE CONTRACTOR SHALL NOTIFY THE
- ENGINEERING DIVISION A MINIMUM OF 72 HOURS IN ADVANCE TO SCHEDULE SUCH INSPECTIONS. 17. COMPLETE SET OF APPROVED DRAWINGS AND SPECIFICATIONS MUST BE MAINTAINED ON SITE AT ALL TIMES THAT THE CONTRACTOR IS PERFORMING WORK. THESE DRAWINGS SHALL BE MADE AVAILABLE UPON REQUEST.
- 18. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL AND PREVENTION STRUCTURES SHOWN ON THE PLANS. BOTH MUST BE APPROVED BY BERKELEY COUNTY PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES. 19. CONTRACTOR WILL BE REQUIRED TO ADJUST MANHOLE FRAMES TO MATCH FINAL GRADE AT NO

# GENERAL NOTES

- 20. THE FOLLOWING NOTES ARE SPECIFIED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH ANDENVIRONMENTAL CONTROL - OFFICE OF OCEAN AND COASTAL RESOURCES MANAGEMENT (SCDHEC-OCRM) AND ARE TO BE EXECUTED BY THE CONTRACTOR:
- a. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE b. SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 14 DAYS.
- 22. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE ARE STABILIZED. SILT BARRIERS WILL BE INSTALLED AS NECESSARY TO PREVENT EXCESSIVE
- 23. SEDIMENTATION OF DOWNSTREAM AREAS. DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF "EROSION AND SEDIMENT CONTROL PRACTICES FOR DEVELOPING AREAS" BY THE S.C. LAND RESOURCES CONSERVATION COMMISSION.
- 24. CONTRACTOR SHALL GRADE AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL. 25. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE
- MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND "SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BOTH CURRENT EDITIONS.
- 26. ALL AREAS DISTURBED WILL BE GRASSED IMMEDIATELY AFTER THE INSTALLATION. GRASSING SHALL BE IN ACCORDANCE WITH SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION CURRENT EDITION. PAYMENT SHALL BE AS SHOWN IN THE BID FORM AND SHALL BE COMPENSATION FOR ALL NECESSARY WORK AND MATERIALS TO COMPLETE THE SEEDING IN ACCORDANCE WITH THESE SPECIFICATIONS. (SEE SPECIFICATIONS BELOW)
- 27. ALL DRAINAGE WILL BE MADE FUNCTIONAL DAILY AS WORK PROGRESSES.
- 28. EACH EXISTING ROAD WILL BE CLEANED UP AND RESTORED DAILY.
- 29. NEW PAVEMENT TO BE FLUSH WITH EDGE OF EXISTING PAVEMENT. ALL WATER VALVES SHALL COMPLY WITH SECTION 4.6 OF THE BCWS WATER SYSTEM STANDARDS AND SPECIFICATIONS.
- 30. FIRE HYDRANTS TO BE PLACED NO MORE THAN EVERY 1,000 FEET WHEN APPLICABLE.
- 31. SPACING ON ALL HYDRANTS SHALL BE 1,000' MEASUREMENTS WITHIN THE EXCEPTION OF AREAS WHERE DIRECTIONAL DRILL LENGTHS EXCEED 1,000 LF.

# GENERAL INFORMATION

COUNTY TOWN

OWNER: BERKELEY COUNTY WATER & SANITATION 212 OAKLEY PLANTATION DRIVE MONCKS CORNER, SC 29461 843-719-4028

ENGINEER: THOMAS & HUTTON 1501 MAIN STREET, SUITE 760 COLUMBIA, SC 29201 803-451-6782

FLEX-1 ZONING RNC GC

BERKELEY

RIDGEVILLE

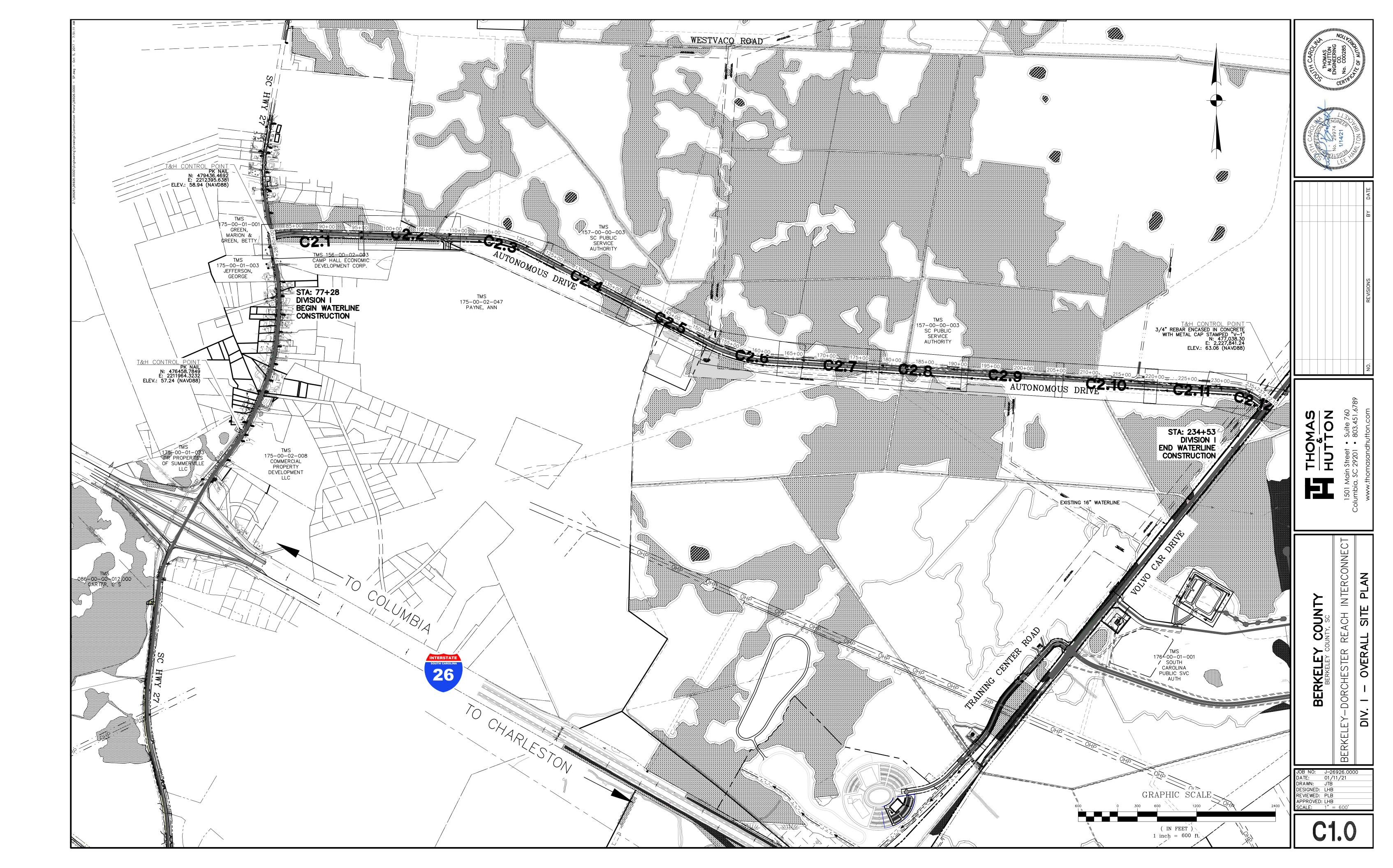
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	BERKELEY COUNTY, SC	RKELEY-DORCHESTER REACH INTERCONNECT		VENIED AL MOTEO 8. INDEV	- GENERAL NUIES & INDER
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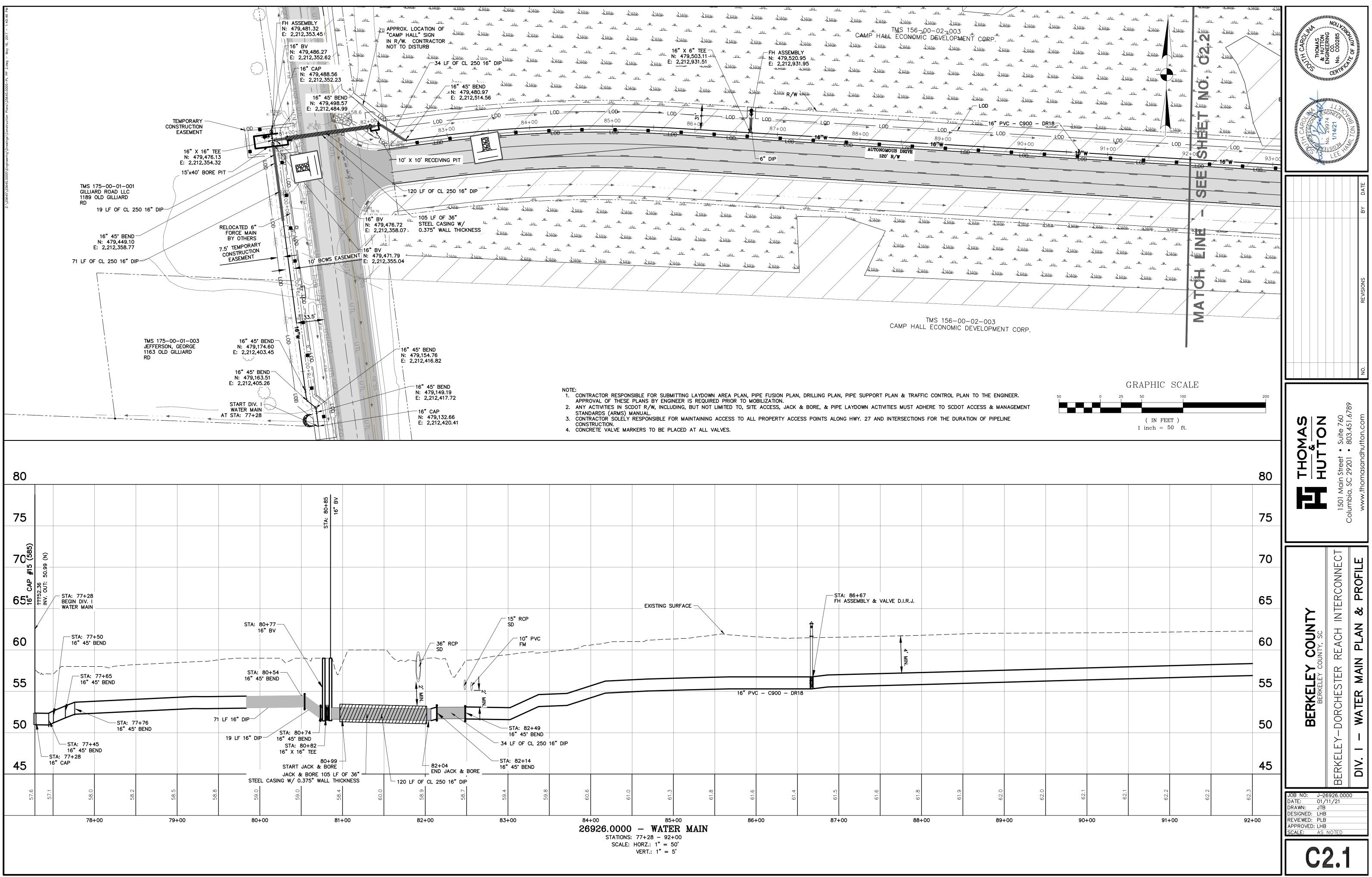
# PREPARED FOR: **BERKELEY COUNTY WATER &** SANITATION 212 OAKLEY PLANTATION DRIVE 843-719-4028

<u>SURVEYOR:</u> THOMAS & HUTTON 682 JOHNNIE DODDS BOULEVARD, SUITE 100 MOUNT PLEASANT, SC 29464

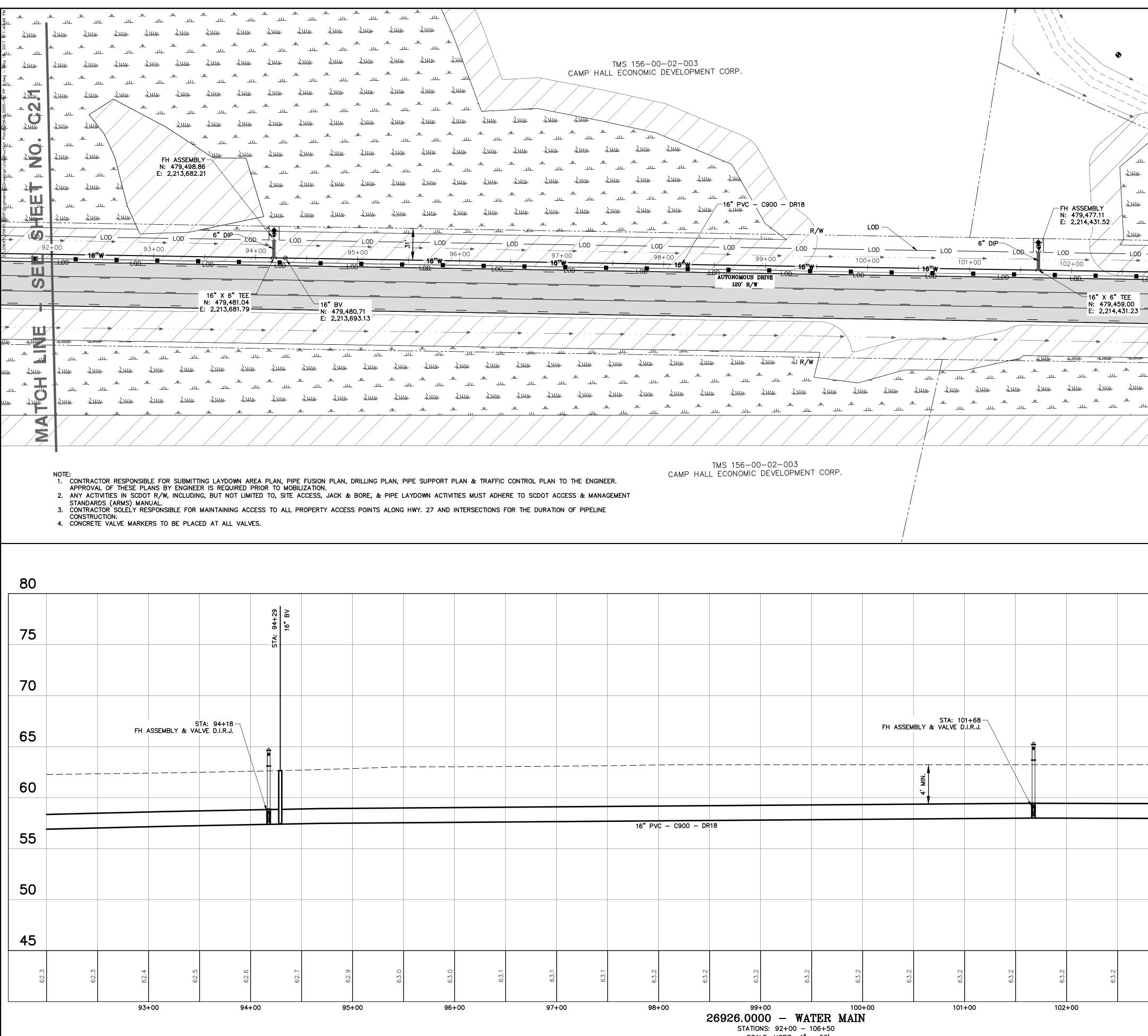
<u>UTILITY:</u>

BERKELEY COUNTY WATER & SANITATION 212 OAKLEY PLANTATION DRIVE MONCKS CORNER, SC 29461 843-761-8817



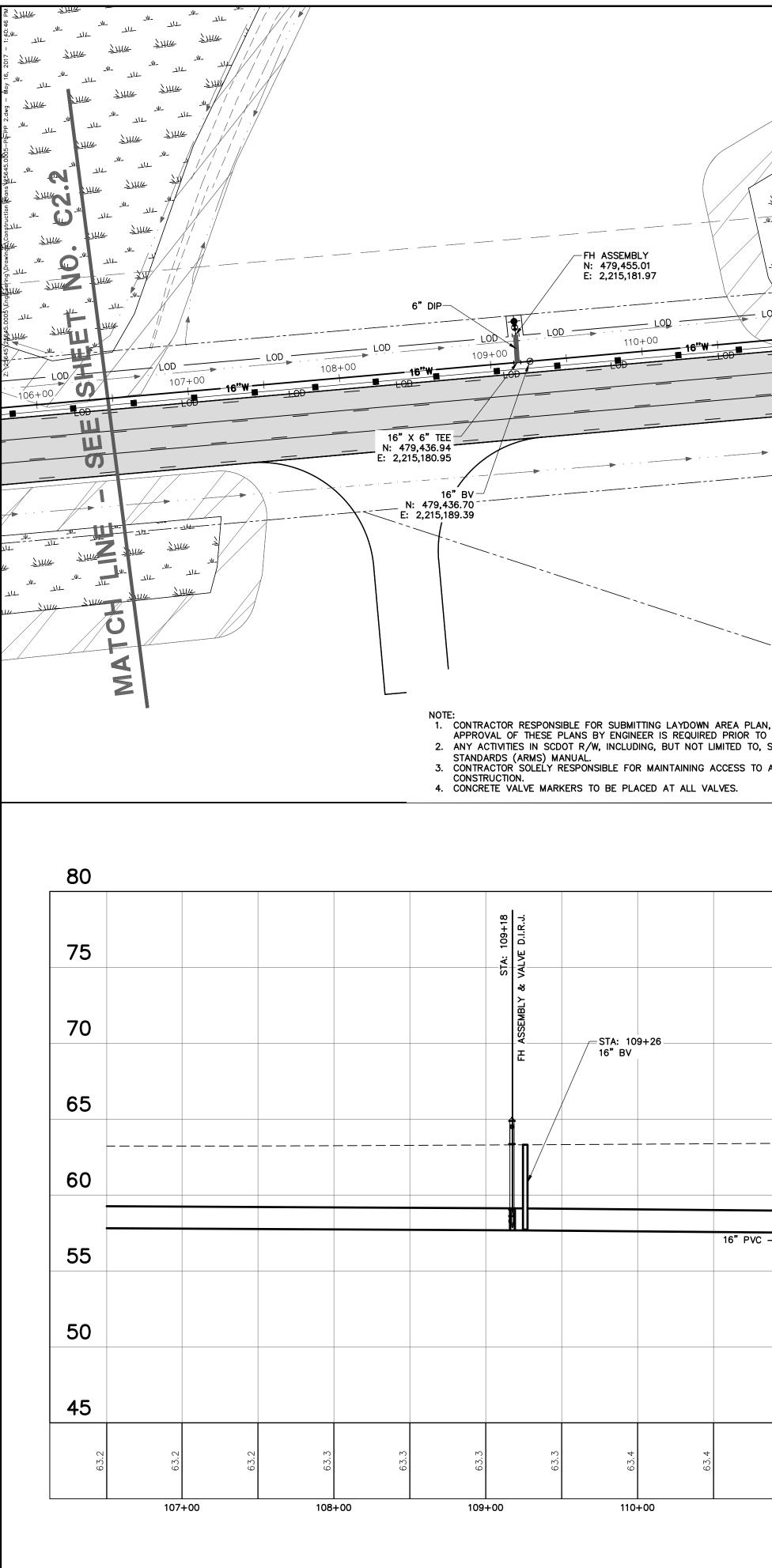


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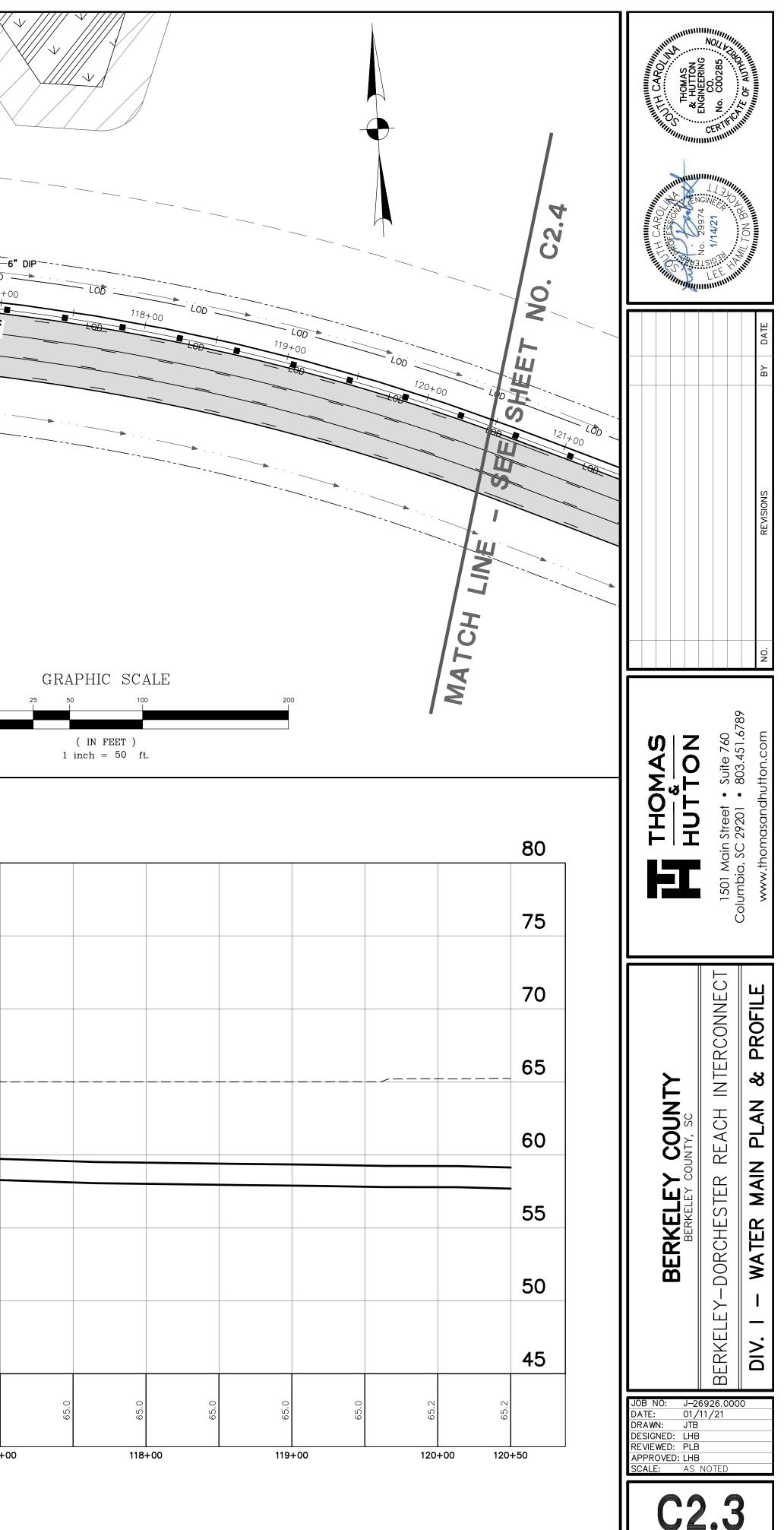


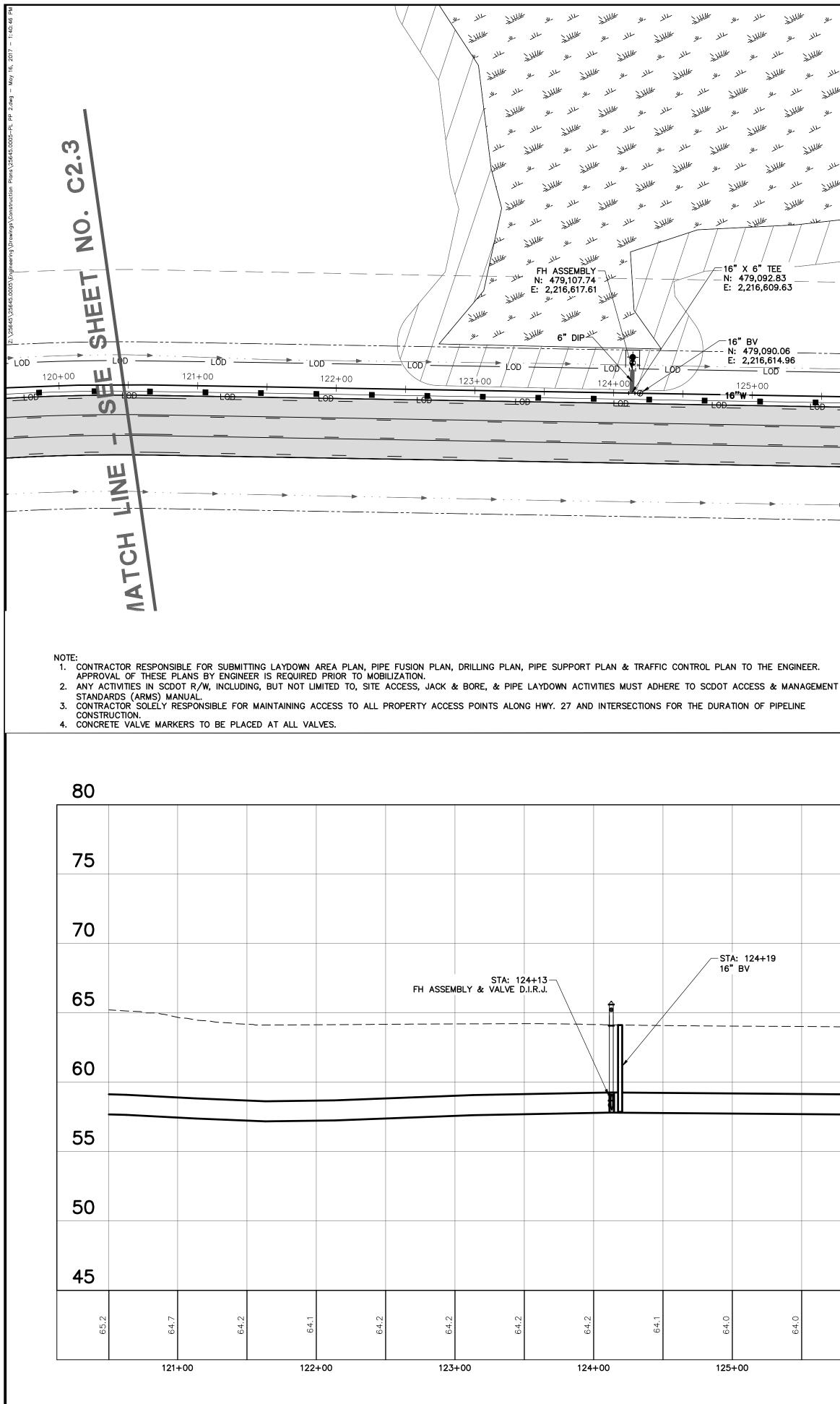
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						— EXISTING SUR	FACE		FH	S ASSEMBLY & V/	TA: 116+65-\ ALVE D.I.R.J. \	â
		.4 										
; — C9	900 – DR18	V.										
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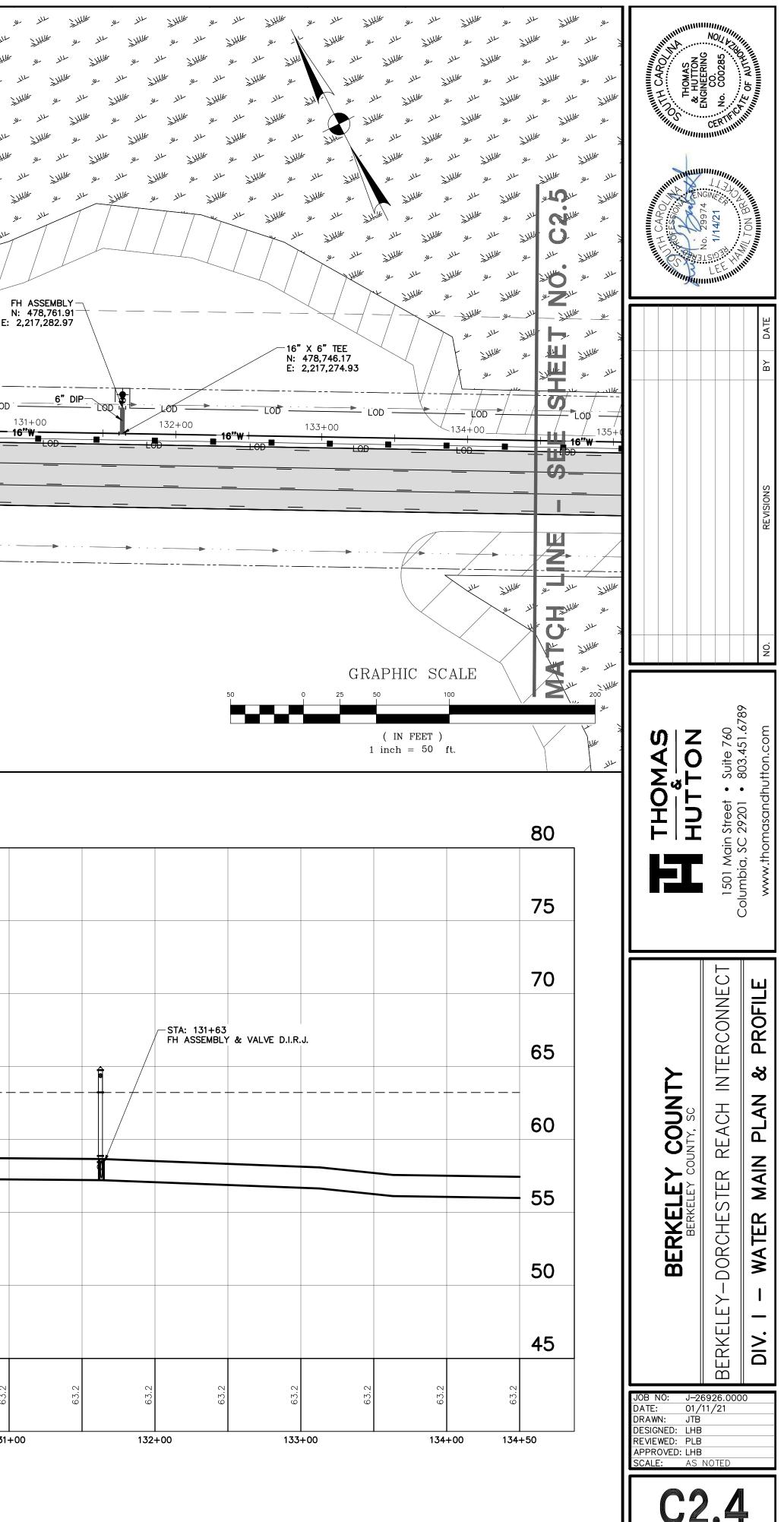


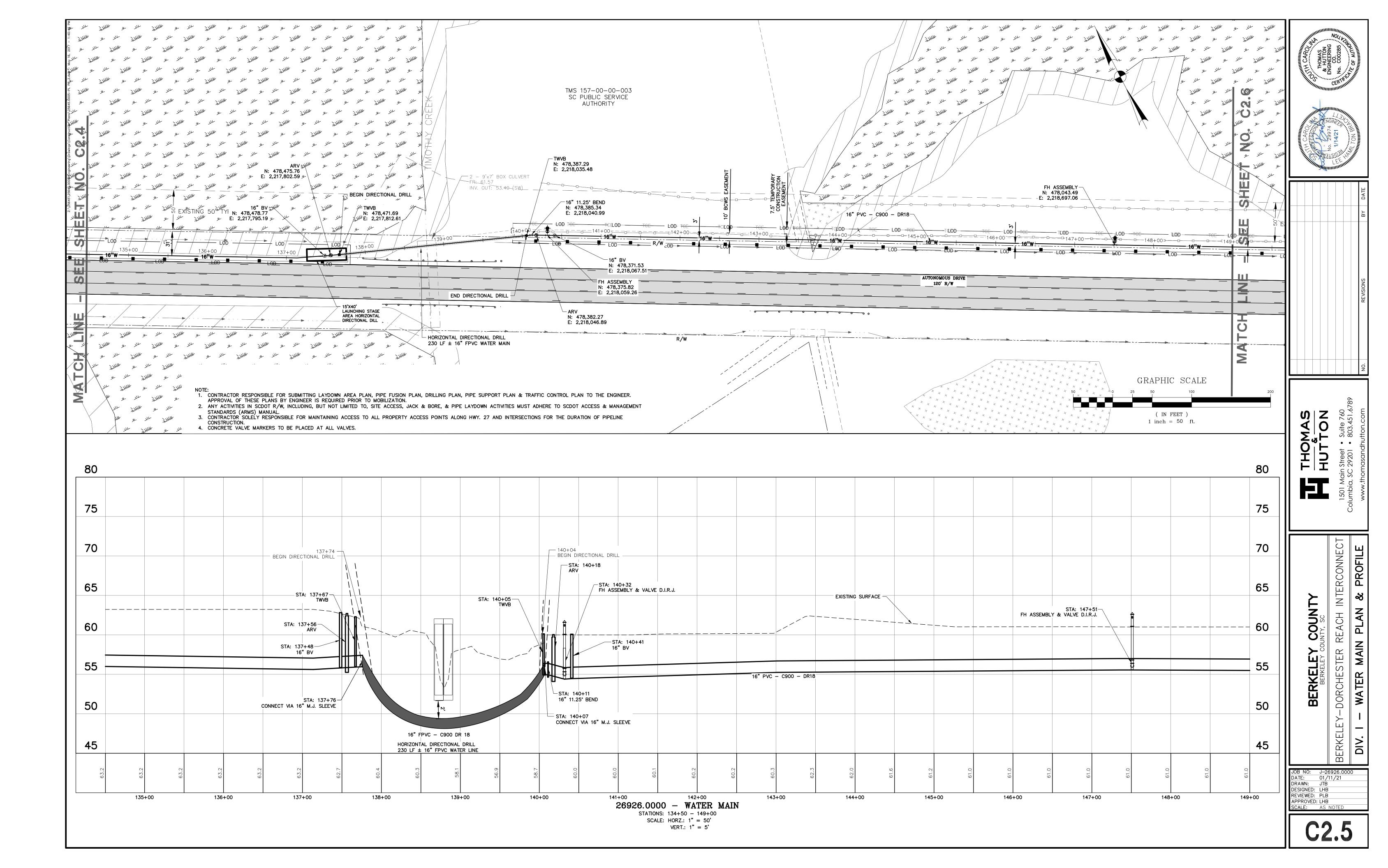


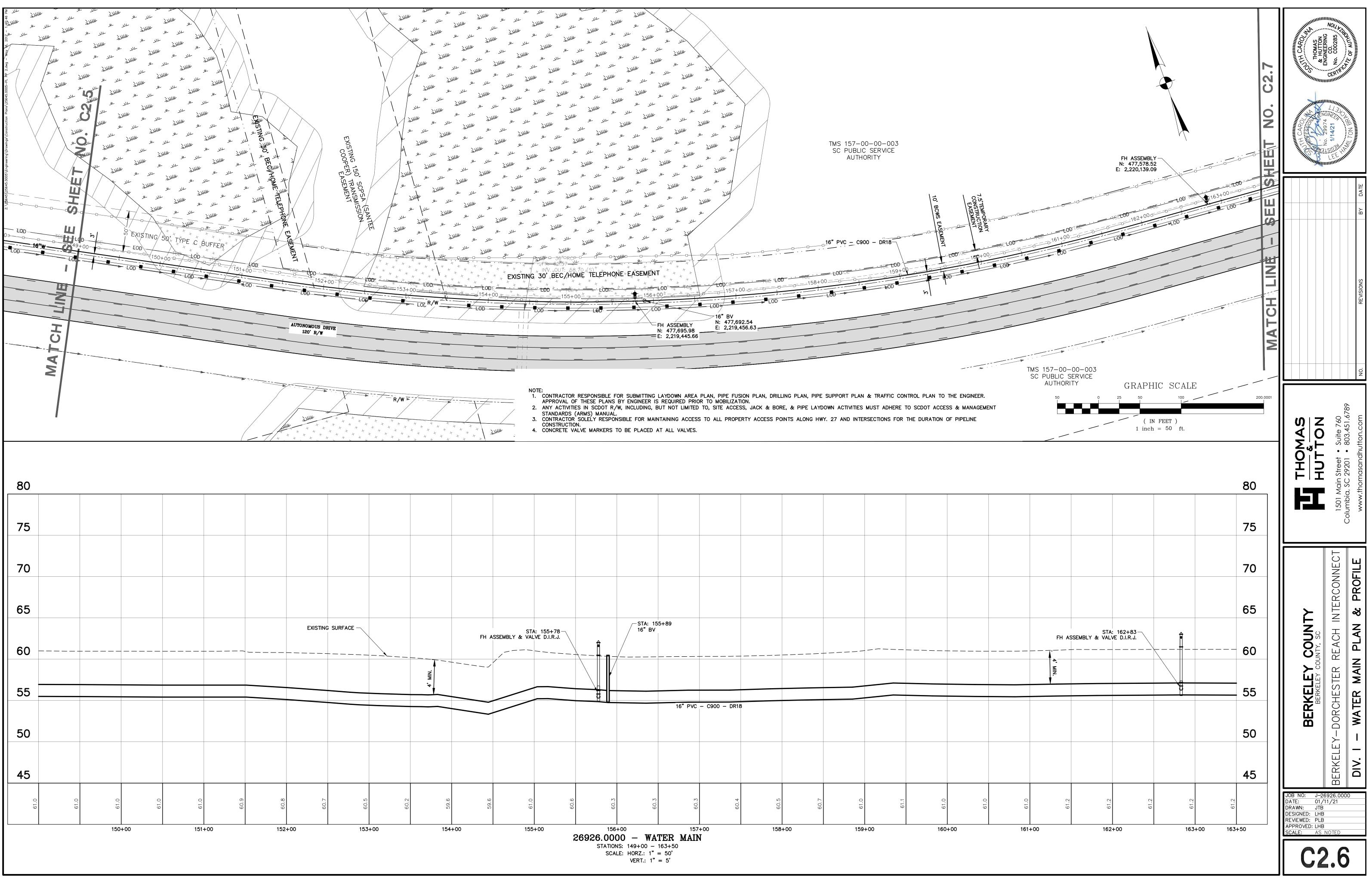
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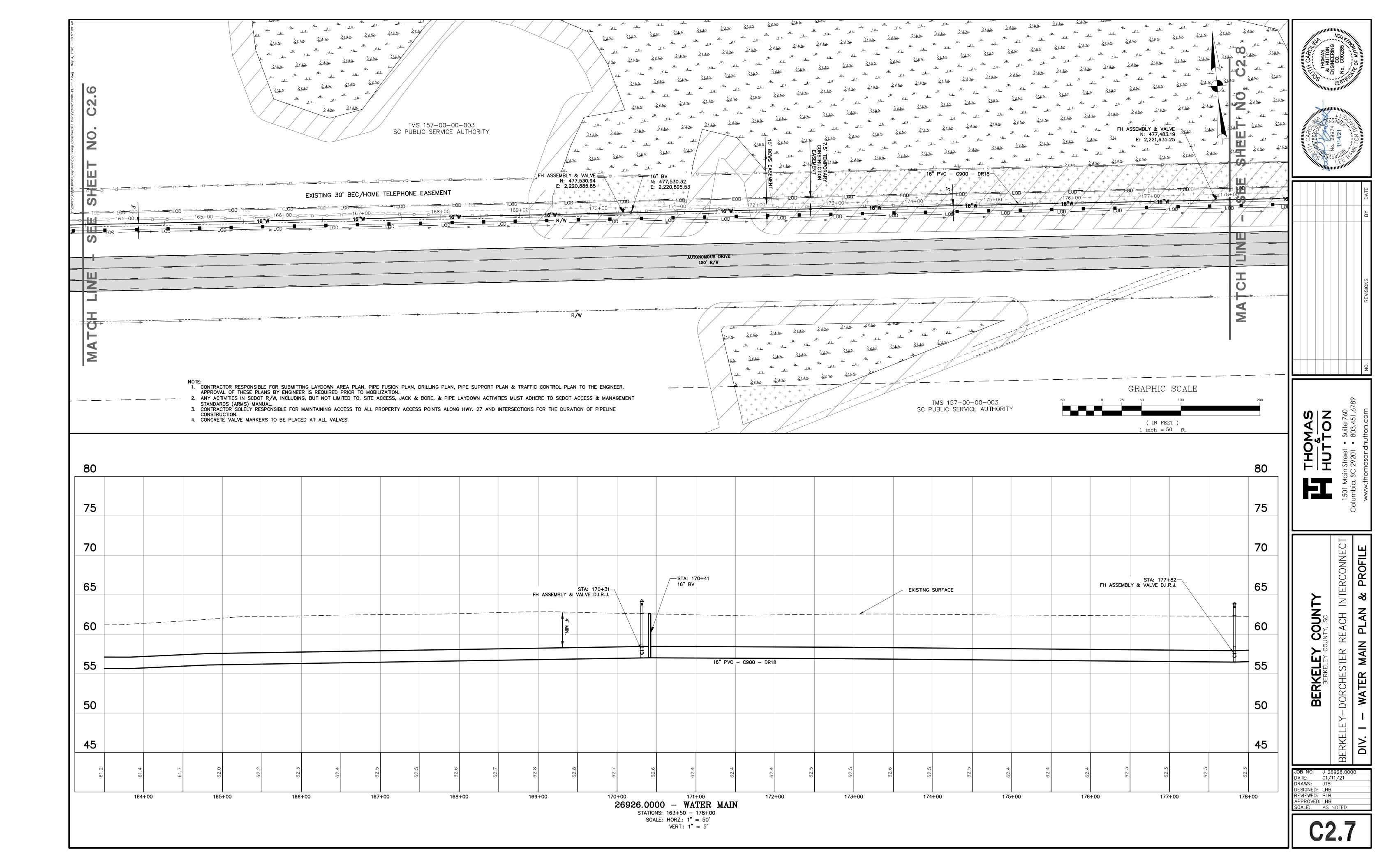
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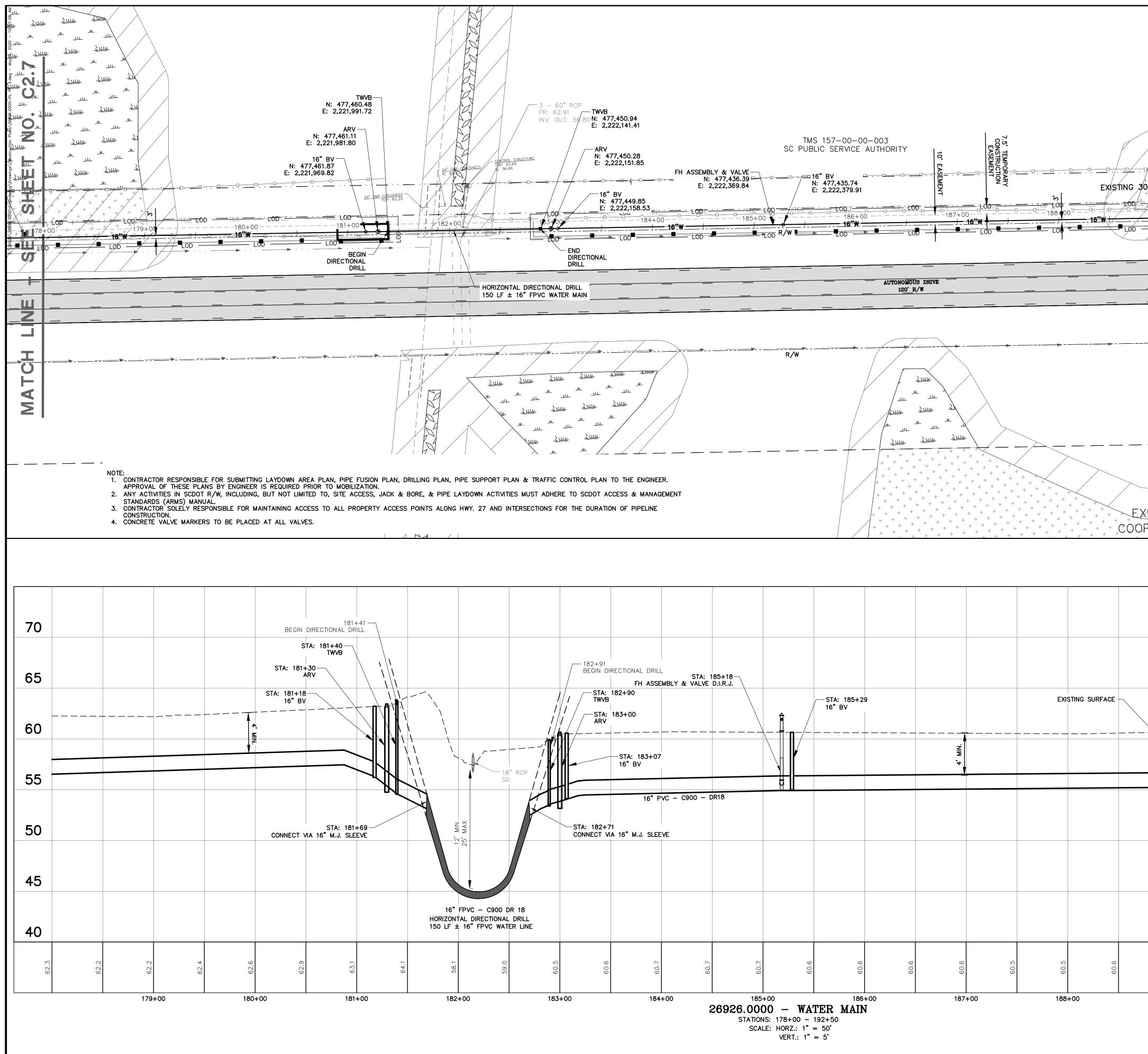
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125-	-00	126-	+00	127- 2602		• WATER	⊦00 <b>N£ A TNT</b>	129	+00	130-	+00	131-
64.0	64.0	63.9	63.7	63.5	63.4	63.3	6.3. .3	63.2	63.2	63.2	63.2	63.2
							J – DRI6					
						16" PVC - C90						
			4, MIN.									
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— STA 16"	: 124+19 BV			EXISTING	SURFACE							



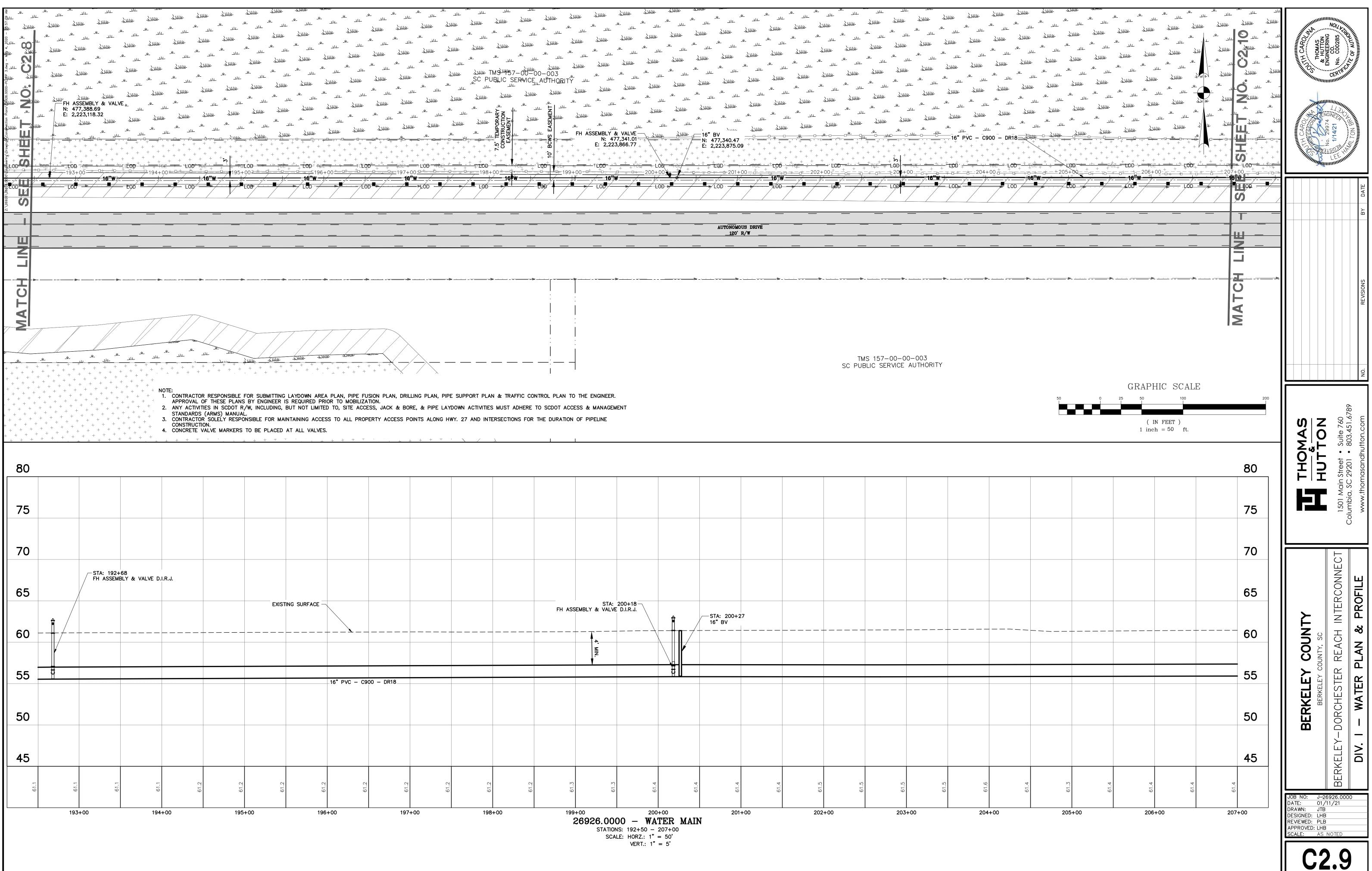


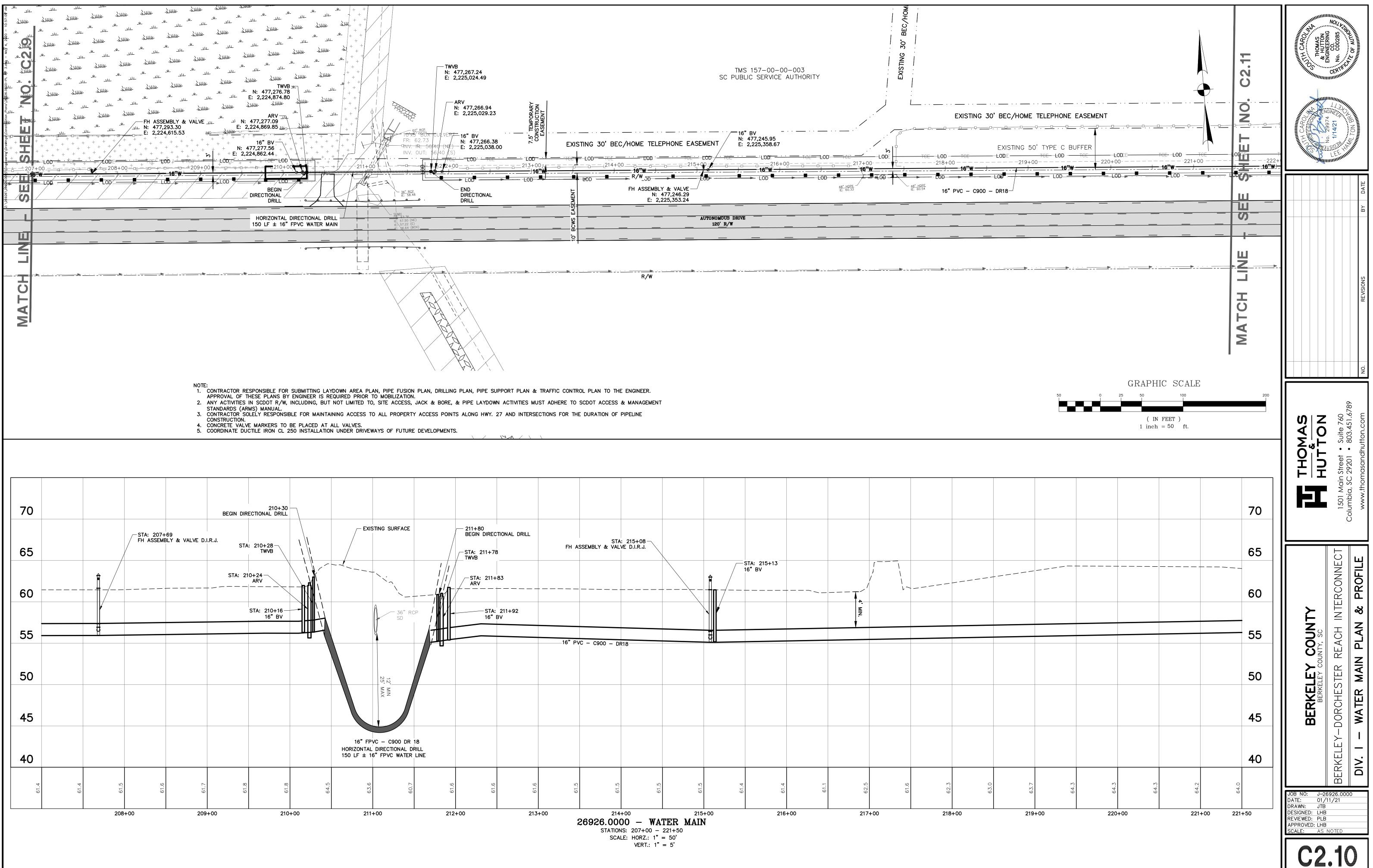


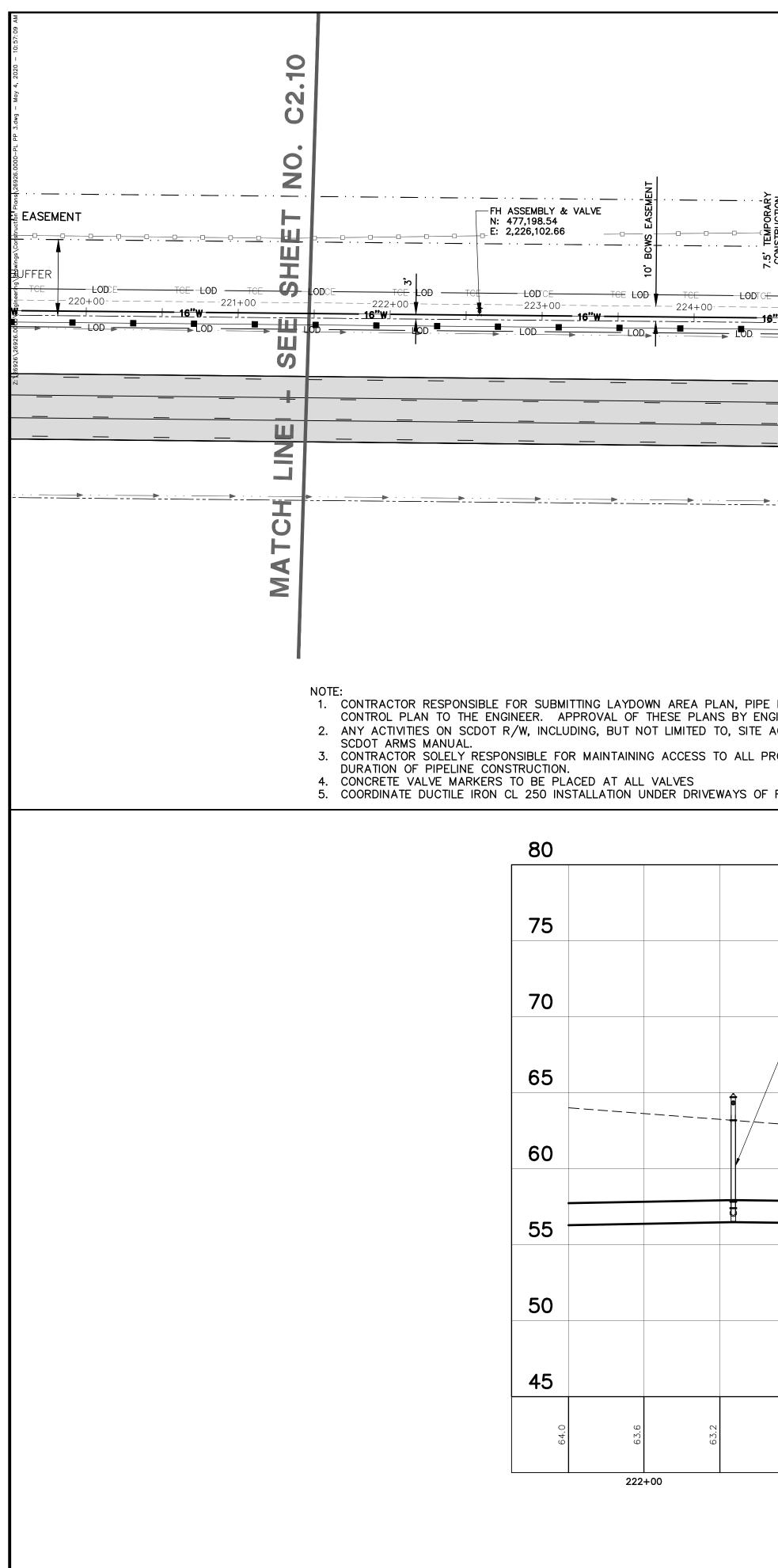




	C2.8
189+00         190+00         191+00         192+00         192+50	DRAWN: JTB DESIGNED: LHB REVIEWED: PLB APPROVED: LHB SCALE: AS NOTED
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55 16" PVC - C900 - DR18	DUNT ACH IN PLAN
<u> </u>	COUNTY UNTY, SC REACH INTERCONNECT
65	NECT
70	1501 Main Street Columbia, SC 29201 www.thomasanc
<sup>50</sup> <sup>25</sup> <sup>30</sup> <sup>4</sup> <sup>4</sup> <sup>4</sup> <sup>4</sup> <sup>4</sup> <sup>4</sup> <sup>4</sup> <sup>4</sup>	THOMAS HUTTON 1501 Main Street • Suite 760 umbia, SC 29201 • 803.451.6789 www.thomasandhutton.com
	REVISIONS
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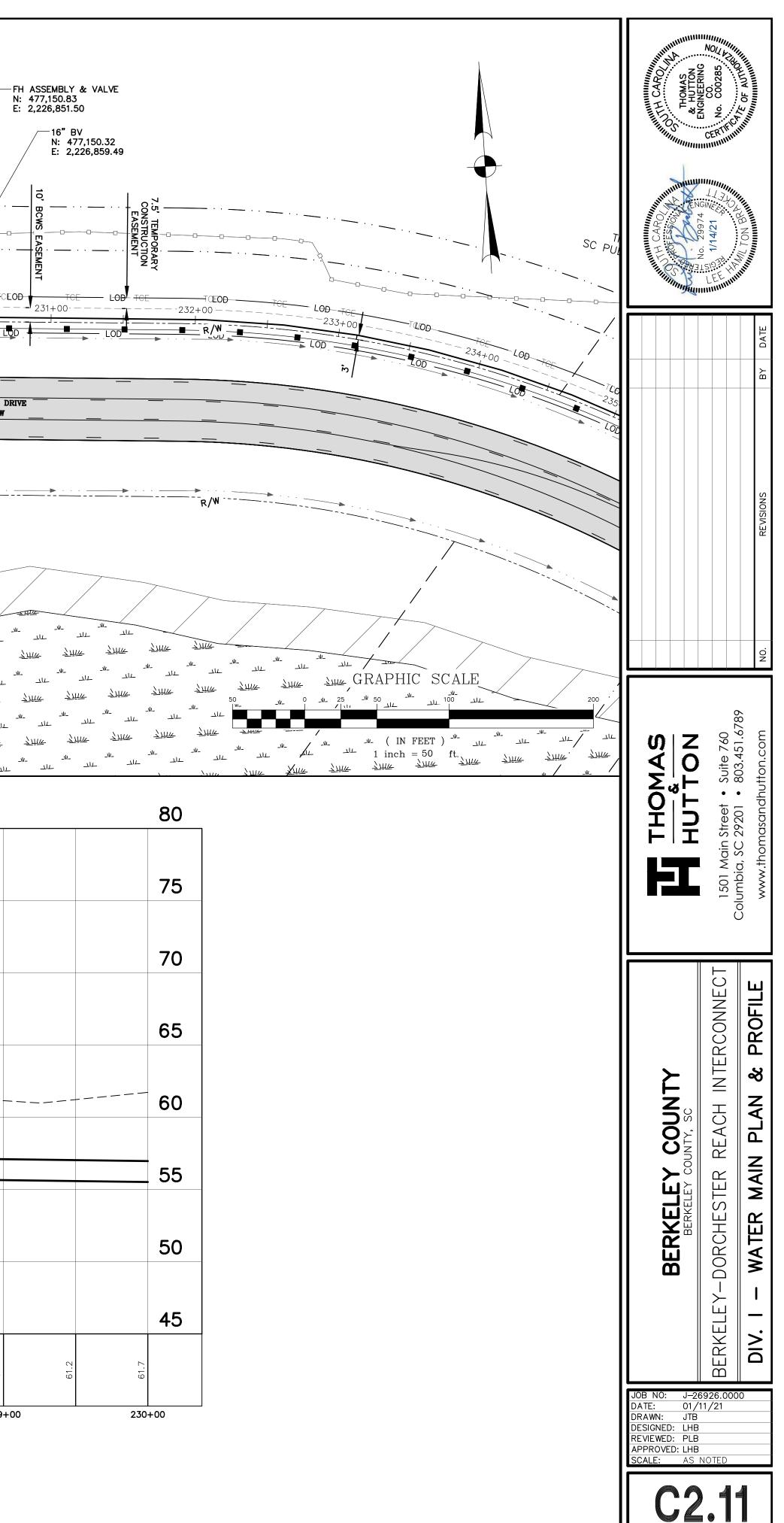


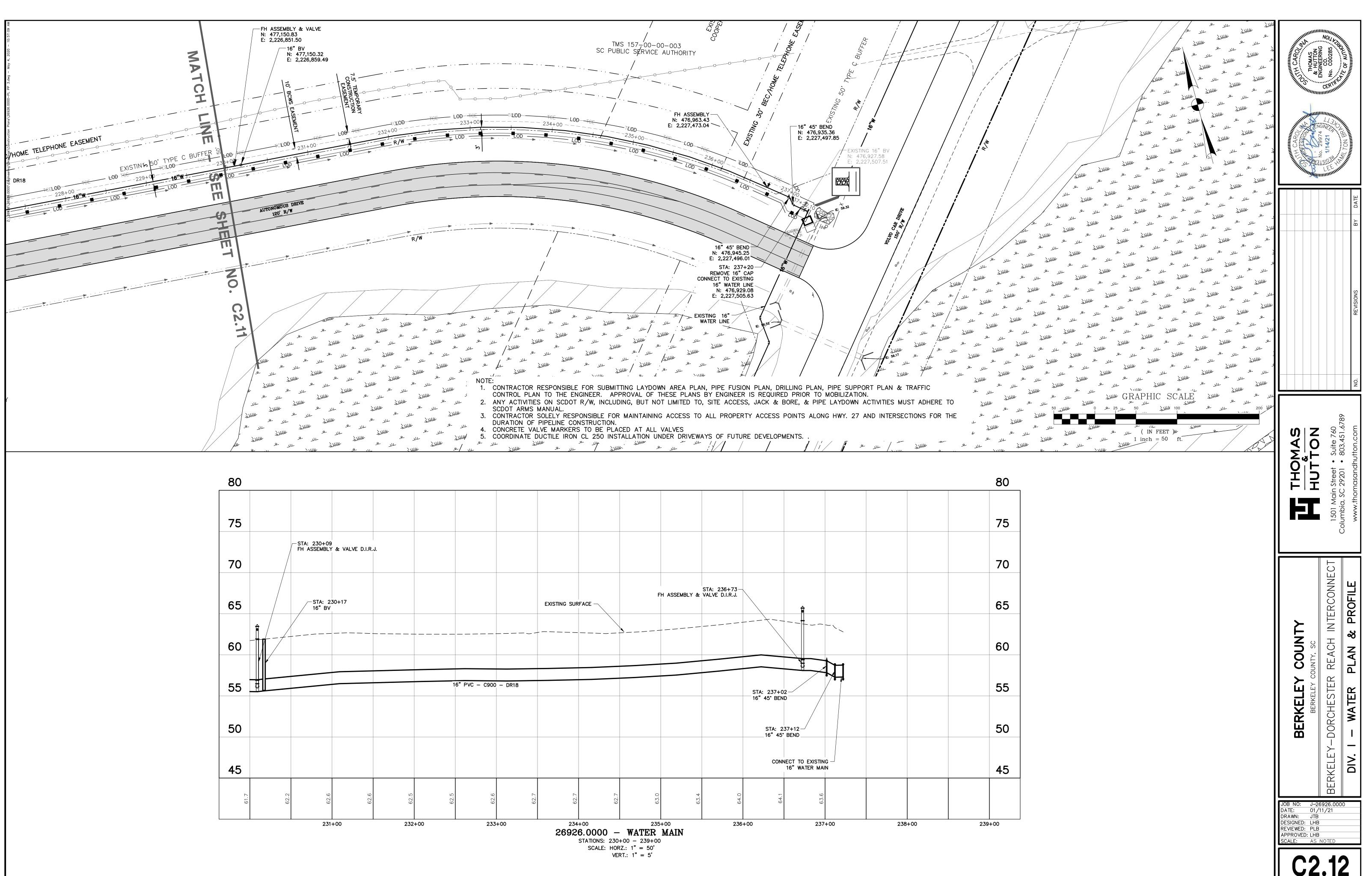


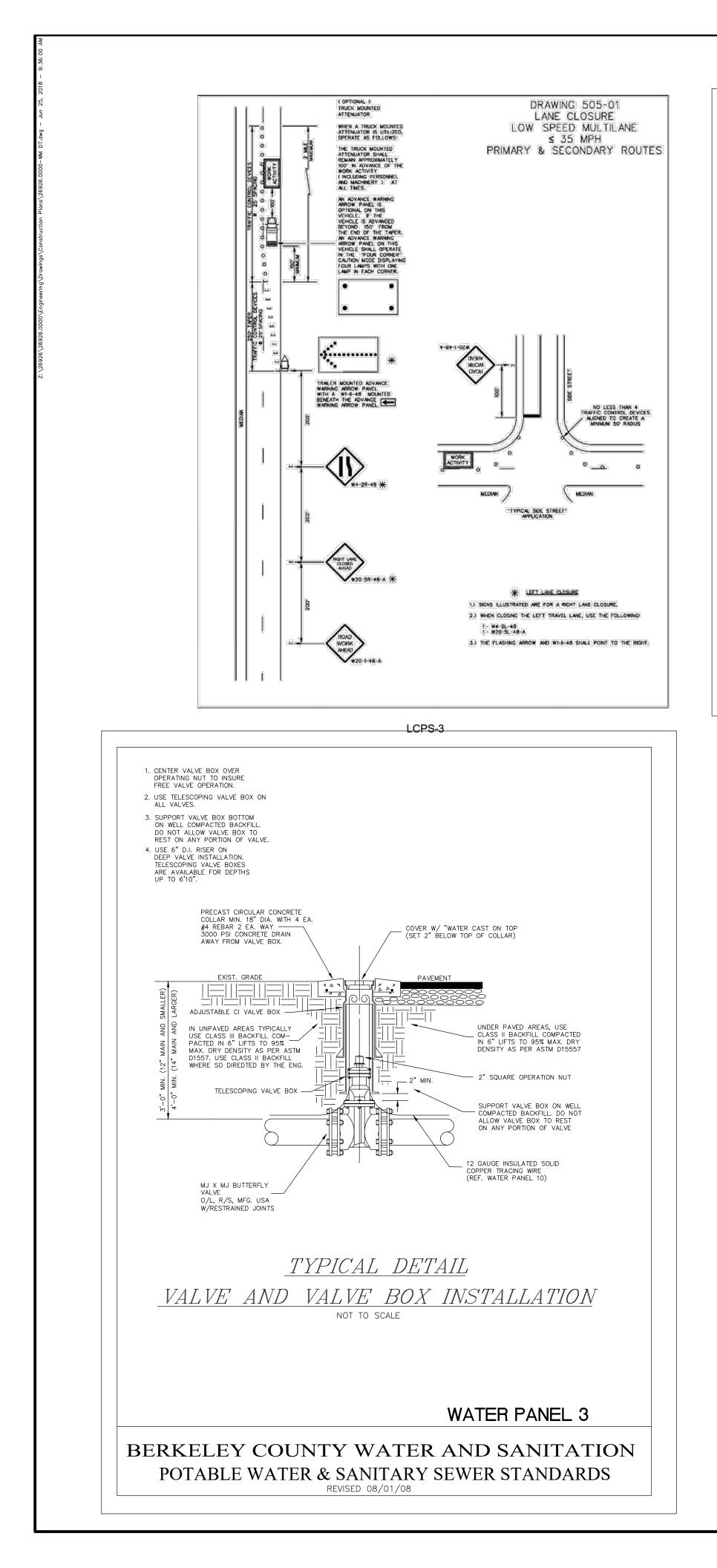


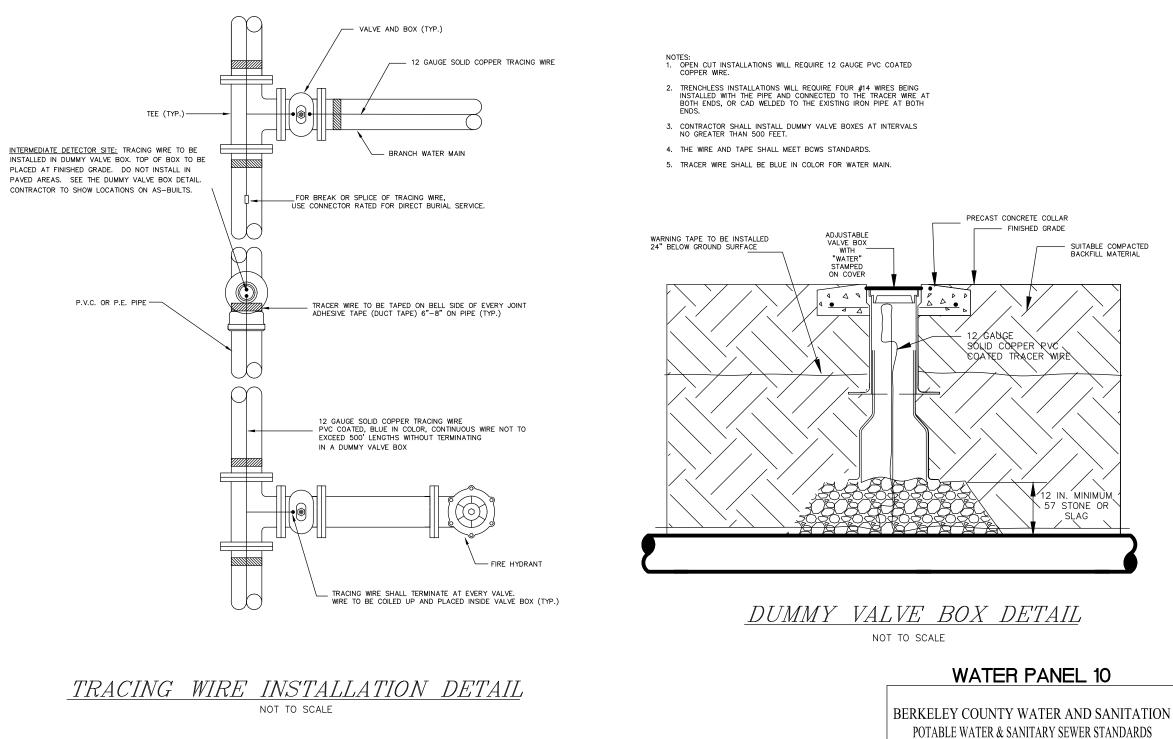
	TMS 157-00-00 SC PUBLIC SERVICE A	-003 AUTHORITY					
CONSTRUCTION EASEMENT		·· ·· ·· ·· ·	EXISTING 30' BEC/HO	ME TELEPHONE EASEM			
				TCELOD	EXISTIN 5	O' TYPE C BUFFER	
						1	AUTONÓMOUS DI 120' R/W
· <u>·</u> ···		R/W		· · · · · · · · · · · · · · · · · · ·			<u> </u>
						MATCH	
		TMS 157–00–00–003 SC PUBLIC SERVICE AUTHOR	ΊΤΥ				
GINEE	R IS REQUIRED PRIOR TO	N, PIPE SUPPORT PLAN & O MOBILIZATION. PE LAYDOWN ACTIVITIES MU				-34-	
ROPEF	RTY ACCESS POINTS ALC	ONG HWY. 27 AND INTERSEC	CTIONS FOR THE			או 	
FUTU	JRE DEVELOPMENTS					_ww	ے۔۔۔۔ الد الد الدالد

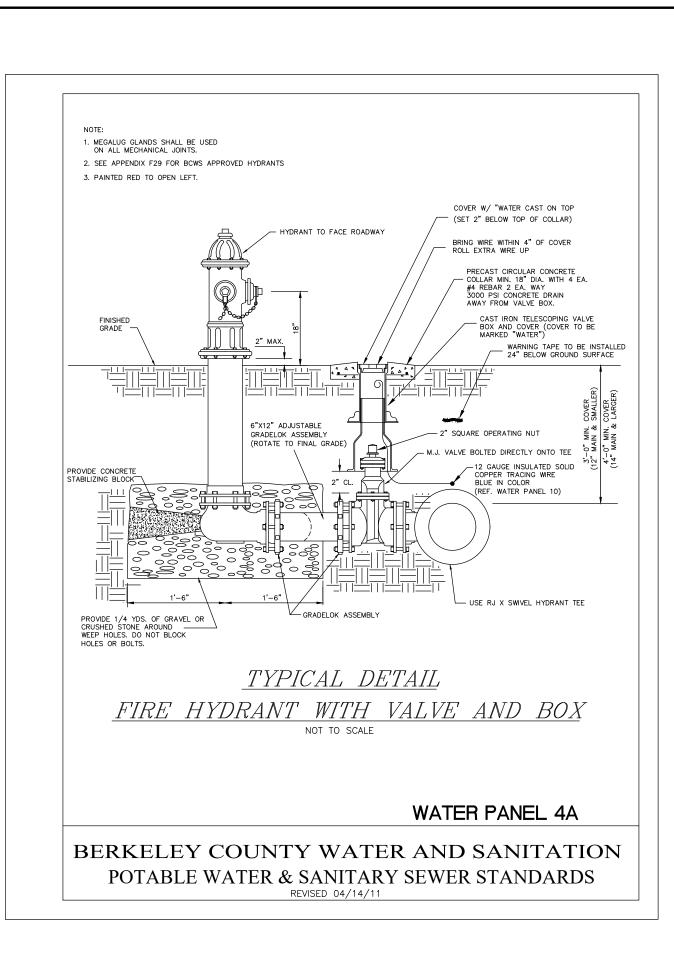
					26926.000 STATION SCA	<b>DO — WA</b> IS: 221+50 – LE: HORZ.: 1" VERT.: 1"	230+00 = 50'	1					
223	+00	224	+00		+00		+00		+00	228	+00	229-	+0
62.9	62.8	62.8 62	0 13 02	0 13 02	6 2.8	6 2.8	6 2.0	6 2 3	62.7	62.2	61.7	61.1	
	16" PV(	C — C900 — DR	218										
	Į. Į												
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	│──STA: │ FH AS	222+59 SEMBLY & VALV	VE D.I.R.J.										

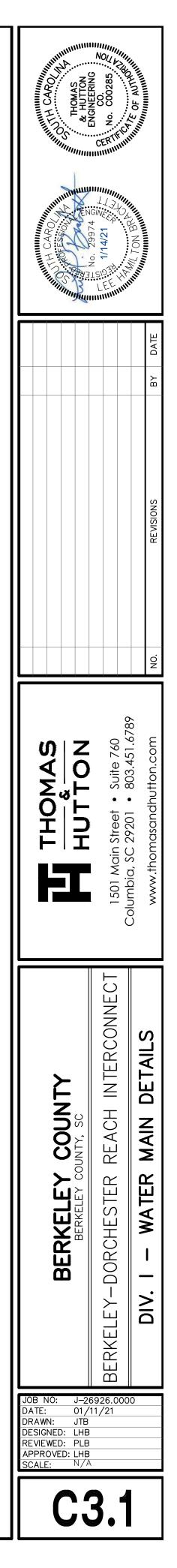




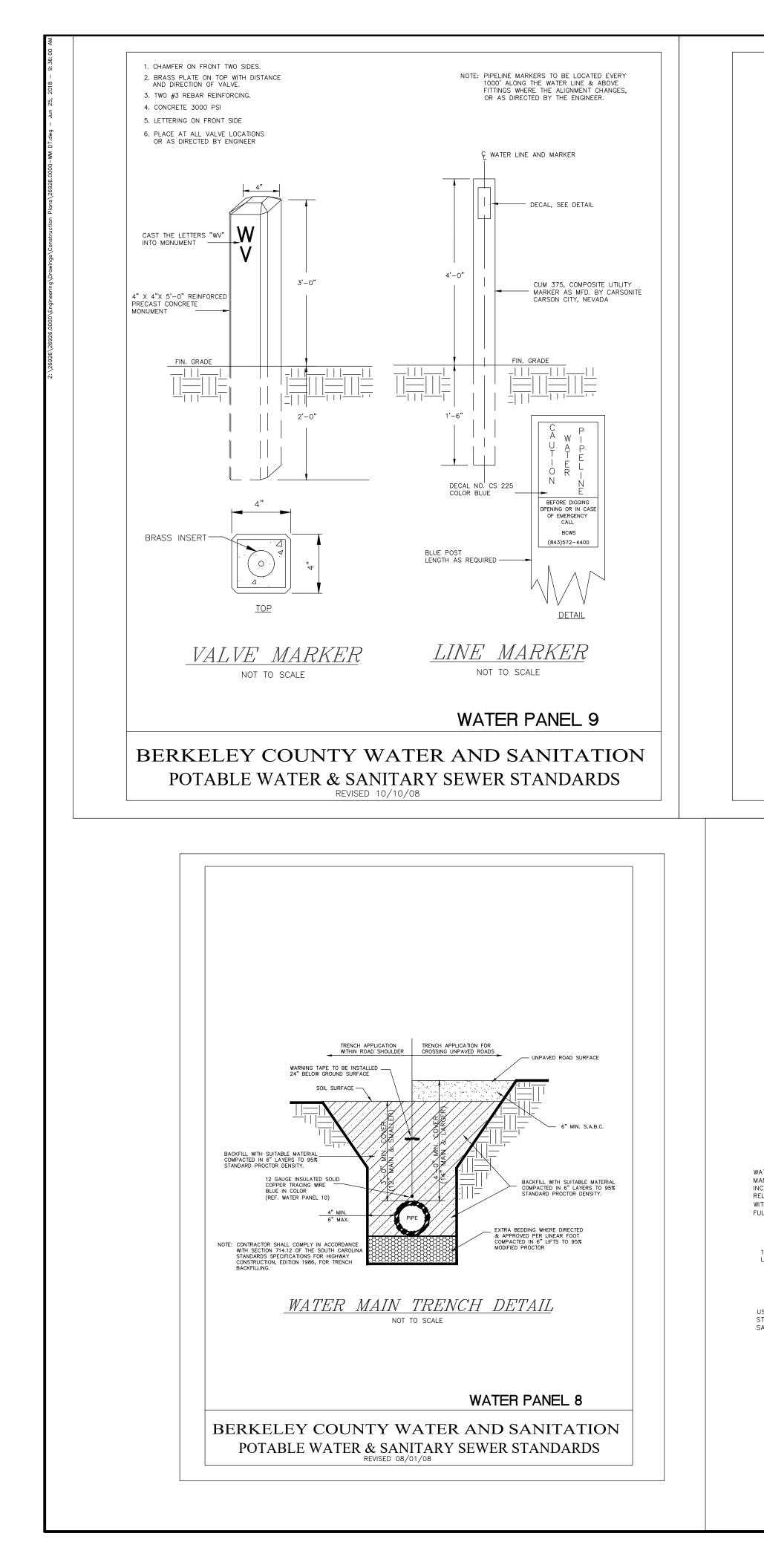


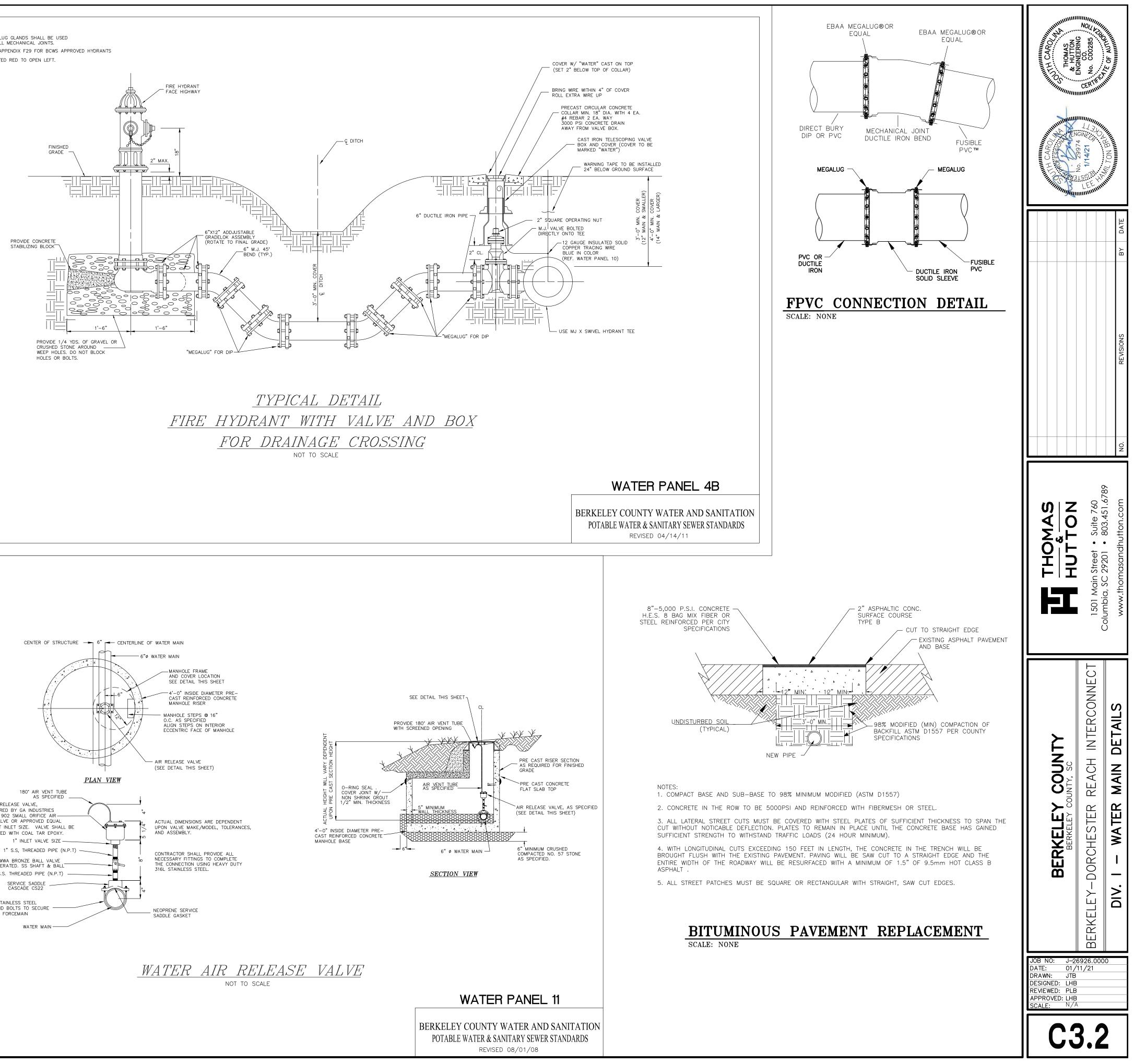


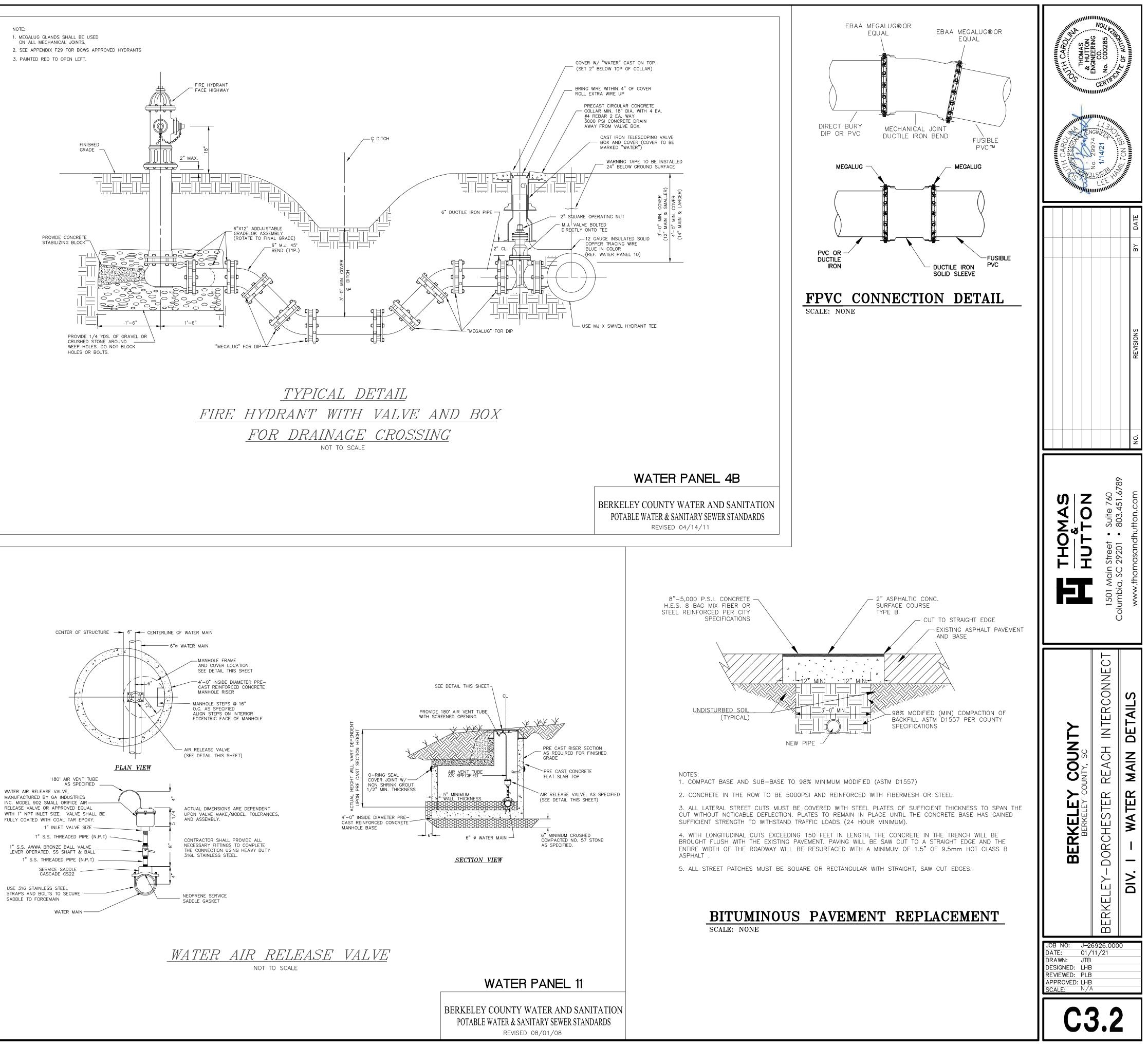




Rev. 05/23/11







PVC Pipe	<u> </u>	estrained ea Horizonta			1	ertical Bends	(upper/lowe	er)		
(in.)	90°	45°	221/2°	11¼°	90°	45°	221/2°	11¼°		
3	12	5	3	2		13/3	7/2	4/1		
4	14	6	3	2		16/3	8/2	4/1		
6	20	8	4	2		22/5	11/2	6/1		
8	26	11	5	3		29/6	14/3	7/2		
10	30	13	6	3	NOT RECOMMENDED	35/7	17/4	9/2		
12	35	15	7	4	MEN	41/8	20/4	10/2		
14	40	17	8	4	WO	47/9	23/5	12/3		
16	45	19	9	5	REC	53/10	26/5	13/3		
18	49	21	10	5	OTI	58/12	28/6	14/3		
20	53	22	11	6	z	64/13	31/6	16/3		
24	61	26	13	6		74/15	36/7	18/4		
30	72	30	15	8		89/17	43/9	22/5		
36	82	34	17	9		103/20	50/10	25/5		
			o							
).I. Pipe (in.)	1	Horizonta	al Bends	2	Vertical Bends (upper/lower)					
7.1. Fipe (111.)	90°	45°	<b>22</b> ½°	11¼°	90°	45°	<b>22</b> ½°	11¼°		
3	10	4	2	1		9/3	4/1	2/1		
4	12	5	3	2		10/3	5/2	3/1		
6	16	7	4	2		14/4	7/2	4/1		
8	21	9	5	3		19/5	9/3	5/2		
10	25	11	5	3	9	22/6	11/3	6/2		
12	29	12	6	3	NDE	26/7	13/4	7/2		
14	33	14	7	4	WEI	30/8	15/4	7/2		
16	37	16	8	4	WO	34/9	16/4	8/2		
18	41	17	9	4	REG	37/10	18/5	9/3		
20	44	19	9	5	NOT RECOMMENDED	41/11	20/5	10/3		
24	51	21	11	5	z	47/12	23/6	12/3		
30	60	25	12	6		56/15	27/7	14/4		
36	69	29	14	7		65/17	32/8	16/4		
42	76	32	16	8		73/19	35/10	18/5		
48	83	35	17	9		81/21	39/11	20/5		
assumed	minimum cov n, Inc. Restra	er of 3' on up	per vertical b	ends, and 6'	on lower verti	ssure, a safety ical bends. Th other criteria, u	is table was d	lerived fro		

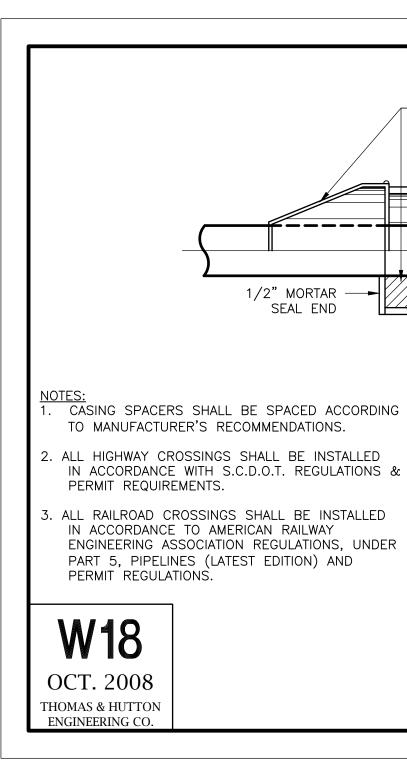
PVC Pipe (in.)	Restrainment Length (ft.)	D.I. Pipe (in.)	Restrainment Length (ft.)	
3	32	3	20	
4	38	4	24	
6	53	6	34	
8	70	8	45	
10	84	10	53	
12	99	12	63	
14	112	14	71	
16	127	16	80	
18	140	18	89	
20	153	20	97	
24	179	24	113	
30	214	30	136	
36	248	36	157	
		42	176	
		48	195	

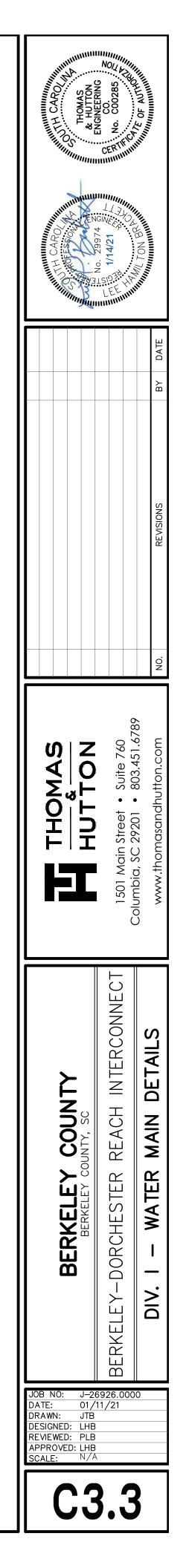
## RESTRAINED JOINT TABLE FOR DEAD ENDS

VC Pipe (in.) 3 4 6 8	3					Redu	icer Sm	all Size	e (In.)					
4 6		4	6	8	10	12	14	16	18	20	24	30	36	42
6														
	13													
8	36	28												-
0	57	50	30											-
10	73	68	52	28										Not Recommended
12	90	86	72	52	29		-							mer
14	105	101	90	73	53	29								mos
16	120	117	107	93	75	54	29							Rec
18	134	132	123	110	95	76	54	29						Not
20	148	146	138	126	113	96	77	54	29	-				
24	175	173	166	157	146	132	116	98	77	54	14		_	
30	211	209	204	197	188	178	165	151	135	117	75			
36	245	244	240	234	227	218	208	197	184	169	136	75		
	-													
D.I. Pipe				a — 3			icer Sm	10 <u> </u>			s			
(in.)	3	4	6	8	10	12	14	16	18	20	24	30	36	42
3														
107							1							
4	8			<u>.</u>										-
192	8 23	18												
4		18 32	19											
4 6	23		33	18										
4 6 8	23 36	32	33 46	34	19									
4 6 8 10	23 36 47	32 44	33 46 57		19 34	19								
4 6 8 10 12	23 36 47 57	32 44 55	33 46	34	1(5)	34	19							
4 6 8 10 12 14	23 36 47 57 67 76 85	32 44 55 64 74 84	33 46 57 68 78	34 47 59 70	34 48 60	34 48	34	19						
4 6 8 10 12 14 16 18 20	23 36 47 57 67 76 85 94	32 44 55 64 74 84 92	33 46 57 68 78 87	34 47 59 70 80	34 48 60 72	34 48 61	34 49	34	18					
4 6 8 10 12 14 16 18	23 36 47 57 67 76 85	32 44 55 64 74 84	33 46 57 68 78 87 105	34 47 59 70	34 48 60	34 48 61 84	34	34 62	49	34				
4 6 8 10 12 14 16 18 20 24 30	23 36 47 57 67 76 85 94 111 134	32 44 55 64 74 84 92 109 133	33 46 57 68 78 87 105 129	34 47 59 70 80 99 125	34 48 60 72 92 119	34 48 61 84 113	34 49 74 105	34 62 96	49 85	74	48			
4 6 8 10 12 14 16 18 20 24 30 36	23 36 47 57 67 76 85 94 111 134 155	32 44 55 64 74 84 92 109 133 154	33 46 57 68 78 87 105 129 152	34 47 59 70 80 99 125 148	34 48 60 72 92 119 144	34 48 61 84 113 138	34 49 74 105 132	34 62 96 125	49 85 116	74 107	86	48		
4 6 8 10 12 14 16 18 20 24 30	23 36 47 57 67 76 85 94 111 134	32 44 55 64 74 84 92 109 133	33 46 57 68 78 87 105 129	34 47 59 70 80 99 125	34 48 60 72 92 119	34 48 61 84 113	34 49 74 105	34 62 96	49 85	74		48 85 118	46	46

Branch Pipe		ength	o de re	estrain	ea (Fee		PIPE							
C: /! )	1	1047	205	2025	98551		un Pipe		(1997) 1	20100	52.03	i orașe i	27 - 220-552 - 1	
Size (in.)	3	4	6	8	<b>10</b>	12	14	16	18	20	24	30	36	42
3	6 17	1 12	1	1	1	1	1	1	1	1	1	1	1	
6	39	36	26	17	8	1	1	1	1	1	1	1	1	
8	61	58	50	42	33	26	18	11	4	1	1	1	1	_
10	78	76	69	62	54	47	40	33	26	20	7	1	1	ndec
12	97	95	89	82	75 95	68 88	61	54	48 68	41	28 48	12	1	mme
14 16	115 133	113 131	107 126	101 120	114	108	81 101	75 94	88	61 81	48 68	31 50	16 34	Not Recommended
18	151	149	144	139	133	127	120	114	107	100	87	69	52	Not I
20	168	166	162	157	151	145	139	132	126	119	106	87	69	
24	203	201	197	192	187 239	181	175	169	163	156	143	124	104	
30 36	253 305	252 304	248 300	244 296	292	234 287	228 281	222 275	216 269	209 263	196 249	176 229	155 207	
0.46.360		1. The Property	10.7989.50		DU	CTILE	Construction of the	Contraction of the second s			ALL OT UNIT			
Branch Pipe		r					un Pipe	· · · ·	r		·	r	r	
Size (in.)	3	4	6	8	10	12	14	16	18	20	24	30	36	42
3	4	1 8	1	1	1	1	1	1	1	1	1	1	1	1
6	26	8 24	17	12	5	1	1	1	1	1	1	1	1	1
8	40	38	33	28	22	17	12	7	3	1	1	1	1	1
10	52	50	46	41	36	31	27	22	17	13	5	1	1	1
12 14	65 76	63 75	59 71	55 67	50 63	46 59	41 54	36 50	32 45	27 41	19 32	8 21	1	1
14 16	76 88	75 87	83	67 80	63 76	59 72	54 67	63	45 58	41 54	45	33	23	13
18	100	99	95	92	88	84	80	75	71	67	58	46	34	24
20	111	110	107	104	100	96	92	88	84	79	70	58	46	35
24	134 168	133 167	131 164	127 162	124	120	116 151	112	108	104	95	82 117	69 103	57
30 36	168 202	167 201	164 199	162 196	158 193	155 190	151 186	147 182	143 178	139 174	130 165	117 152	103 138	90 124
42	235	235	232	230	227	224	220	216	212	208	200	186	171	156
48 Table is	270	269	267	264	262	258	255	251	247	243	234	221	205	190
		STAIN STRAF MORT	LESS S PS OR AR SEA	OT WIT STEEL BRICK ALS EA 2E CAS	& CH	- STE PIP	EL CA:	SING	A		CAR	RIER P	PIPE —	
		STAIN STRAF MORT	LESS S PS OR AR SEA	STEEL BRICK ALS EA	& CH			SING	A		CAR	RIER P	21PE	
		STAIN STRAF MORT	LESS S PS OR AR SEA	STEEL BRICK ALS EA	& CH			SING	A		CAR		PIPE	
		STAIN STRAF MORT	LESS S PS OR AR SEA	STEEL BRICK ALS EA	& CH			SING	A		CAR		PIPE	
		STAIN STRAF MORT	LESS S PS OR AR SEA	STEEL BRICK ALS EA	& CH			SING	A		CAR		2IPE	
EAL END		STAIN STRAF MORT	LESS S PS OR AR SEA OF PIP	NLESS CERS MASCADE	& CH ING STEEL ANUFA			SING	A		CAR		RESTR	AINED OR I PIPE (TYP)
EAL END ACED ACCO		STAIN STRAF MORT	LESS S PS OR AR SEA OF PIP	NLESS CERS MASCADE	& CH ING STEEL ANUFA			SING			CAR		RESTR	
MORTAR — EAL END ACED ACCO NDATIONS. BE INSTALL REGULATIC	_ED	STAIN STRAF MORT	LESS S PS OR AR SEA OF PIP	NLESS CERS MASCADE	& CH ING STEEL ANUFA	CASIN CASIN ACTURE RWORK					CAR		RESTR	PIPE (TYP) CASII PIPE
AL END ACED ACCO NDATIONS. BE INSTALL	.ED )NS &	STAIN STRAF MORT	LESS S PS OR AR SEA OF PIP	NLESS CERS MASCADE	& CH ING STEEL ANUFA	CASIN CASIN ACTURE RWORK					CAR		RESTR	PIPE (TYP)

	WATER NOTES:
1.	WATER INSTALLATION SHALL BE IN ACCORDANCE WITH "TEN STATES STANDARDS," S.C.D.H.E.C. AND B.C.W.S REGULATIONS.
2.	CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH B.C.W.S. AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
3.	CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND IN THE FIELD OR ON THE DRAWINGS PRIOR TO BEGINNING OR CONTINUING WORK. ANY DEVIATIONS FROM THE CONSTRUCTION PLANS SHALL NEED TO BE APPROVED IN WRITING BY BLC.W.S.
4.	CONNECTION TO EXISTING WATER SYSTEM SHALL BE MADE IN THE PRESENCE OF B.C.W.S. INSPECTOR WITH AT LEAST 72 HOURS ADVANCED NOTICE.
5.	ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 36".
6.	D.I.P. SHALL BE INSTALLED – AT ALL ROAD CROSSINGS UNDER PAVEMENT – WHEN CROSSING UNDER AN OPEN DITCH WITH LESS THAN 3' OF CLEARANCE – WHEN CROSSING UNDER PIPED STORM DRAINAGE WITH LESS THAN 2' OF CLEARANCE
7.	FIRE HYDRANTS, WATER VALVES AND OTHER WATER SYMBOLS MAY BE SHOWN IN LARGE SCALE FOR CLARITY. WATER VALVES, VALVE BOXES AND COVERS SHALL NOT BE LOCATED WITHIN PAVED AREAS. FIRE HYDRANTS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE WATER MAIN IN ORDER TO REMAIN WITHIN THE RIGHT-OF-WAY.
8.	HYDRANTS SHALL BE INSTALLED BASED ON THE BURY DEPTH OF THE WATER MAIN UNLESS OTHERWISE NOTED. HYDRANT EXTENSIONS ARE NOT ALLOWED UNLESS THE DEPTH OF THE WATER MAIN EXCEEDS 6'.
9.	WATER SERVICE AND SEWER SERVICE FOR EACH LOT SHALL MAINTAIN A MINIMUM 5' OF SEPARATION.
10.	DEFLECT WATER LINES IN LIEU OF FITTINGS IN ACCORDANCE WITH THE PIPE MANUFACTURER'S SPECIFICATIONS.
11.	ALL FITTINGS, VALVES AND HYDRANTS SHALL BE PROVIDED WITH RESTRAINED JOINT FITTINGS PER B.C.W.S. REQUIREMENTS.
12.	WATER SERVICE STUBOUTS & SERVICE TEE SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY OR GENERAL UTILITY EASEMENT (GUE) AND HAVE A MINIMUM 1 FOOT SEPARATION FROM SIDEWALKS. INSTALL WATER SERVICE STUBOUTS NO MORE THAN 18" FROM THE COMMON PROPERTY CORNER UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS.
13.	CONTRACTOR SHALL SCHEDULE ALL REQUIRED TESTS AND INSPECTIONS WITH B.C.W.S. AT LEAST 72 HOURS IN ADVANCE. A SET OF RECORD DRAWINGS SHALL BE PROVIDED TO B.C.W.S INSPECTOR FOR FINAL INSPECTION.
14.	CONTRACTOR SHALL KEEP A RED-LINED SET OF THE CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES.
	WATER PANEL 13





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A. PROJECT DESCRIPTION         A.1. PROJECT AREA       13.5 ACRES         A.2. AREA DISTURBED       13.5 ACRES         A.3. PERCENT IMPERVIOUS AREA BEFORE CONSTRUCTION       0.75 %         A.4. RUNOFF COEFFICIENT BEFORE CONSTRUCTION       82 CN         A.5. PERCENT IMPERVIOUS AREA AFTER CONSTRUCTION       1.9 %         A.6. RUNOFF COEFFICIENT AFTER CONSTRUCTION       82 CN         B. DESCRIPTION OF CONSTRUCTION ACTIVITY       WORK CONSISTS OF THE INSTALLATION OF 15,200 LF OF 16-INCH WATER MAIN .         C. RUNOFF DATA       C. RUNOFF DATA	<ul> <li>3.1. WASTE DISPOSAL</li> <li>3.1. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO ANY RECEIVING WATERS.</li> <li>3.1.2. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED.</li> <li>3.1.3. THIS PLAN SHALL COMPLY WITH STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.</li> <li>3.1.4. DUST CONTROL ON DISTURBED AREAS - CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE AND HAUL ROUTES. THE PURPOSE OF THE MEASURE IS TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES, WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE OR SAFETY, OR TO ANIMALS OR PLANT LIFE.</li> </ul>
<ul> <li>C.1. SOLCLASSIFICATIONS: (HSG) B.C. A/D. B/D. C/D.</li> <li>C.2. LAND USE(S): RESIDENTIAL / AGRICULTURAL</li> <li>D. RECEIVING WATERS</li> <li>D.1. CLOSEST RECEIVING WATERS: TIMOTHY CREEK</li> <li>D.2. ULTIMATE RECEIVING WATERS: FOUR HOLE SWAMP</li> <li>E. FLOOD</li> <li>E.1. FEMA FLOOD ZONE(S): X</li> <li>FEMA FLOOD INSURANCE MAP(S): 45015C035DD (10/16/2013), 45035C0215E (07/18/2017), 45035C0220E (07/18/2017)</li> <li>ICONTROL MEASURES</li> <li>1. EROSION AND SEDIMENT CONTROLS</li> <li>PRIOR TO START OF CONSTRUCTION, ALL EXTERIOR SILT FENCE WILL BE INSTALLED AS SHOWN ON THE PLANS.</li> <li>1.1. CLEARING</li> <li>1.1. A SCLEARING IS COMPLETED, ADDITIONAL SILT FENCE WILL BE INSTALLED WHERE NECESSARY, SUCH AS POINTS WHERE FLOWS BECOME CHANNELIZED, AND OTHER POINTS WHERE EXCESSIVE RUNOFF VELOCITIES MAY OCCUR.</li> <li>1.1.2. INSTALL CONSTRUCTION DELTED, ADDITIONAL SILT FENCE WILL BE INSTALLED WHERE NECESSARY. SUCH AS POINTS WHERE FLOWS BECOME CHANNELIZED, AND OTHER POINTS WHERE EXCESSIVE RUNOFF VELOCITIES MAY OCCUR.</li> <li>1.1.3. CONSTRUCTION DELAYS IN ANY ONE AREA GREATER THAN 14 DAYS PRIOR TO START OF ROUGH GRADING WILL MANDATE STABILIZATION PROCEDURES. ACCEPTABLE METHODS OF STABILIZATION INCLOBE MULCHING AND TEMPORARY SEEDING.</li> <li>1.4. MAINTAIN EXISTING VEGETATION WHENEVER POSSIBLE AND MININIZE THE AREA OF DISTURBANCE. RETAIN AND DRENDECT TREES TO ENHANCE FUTURE LANDSCAPING EFFORTS AND REDUCE RAINOROP IMPACT.</li> <li>1.5. INSTALL ALL SEDIMENT CONTROL PRACTICES PRIOR TO ANY UP-SLOPE SOIL DISTURBING ACTIVITIES.</li> <li>1.6. PHASE CONSTRUCTION ACTIVITIES TO MININIZE THE AREAS DISTURBED AT ONE TIME. THIS WILL ALSO ALLOW COMPLETIDS A PHASE AND INSTULLING PERMANENT EROSION CONTROL MEASURES MAY BE AVOIDED BY COMPLETING A PHASE AND INSTALLEND.</li> <li>1.1.1. MAINTAIN ADD ROTOCT ALL NATURAL WATERWAYS, RETAIN AT LEAST A 35-FOOT UNDISTURBED BUFFER OF NATURAL VEGETATION ALONG ALL WATERWAYS REDING ACTIVITIES DISTURBING ADJACENT STIES. THE INEED FOR TEMPORARY RECISION CONTROL MEASURES MAY BE AVOIDED BY COM</li></ul>	<ul> <li>III. MAINTENANCE</li> <li>MAINTENANCE PROGRAM</li> <li>1.1 THE STE SUPERINTENDENT, OR HISHER REPRESENTATIVE. SHALL MAKE VISUAL INSPECTIONS OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (I.E. SEEDED AND MULCHED AND/OR SIDDED AREAS) ON A DAILY BASIS: ESPECIALLY AFTER HEAVY RAINFALL EVENT TO INSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING, ANY DAMAGED CONTROLS SHALL BE REPARED PRIOR TO THE END OF THE WORK DAY INCLUDING RE-SEEDING AND MULCHING OR RE-SODDING IF NECESSARY.</li> <li>1.2 EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. ALL DRAINAGE SWALES, POCKETS, DEPRESSION, LOW LINES, AND OUTLET DITCHES SHALL DRAIN EFFECTIVELY AT ALL TIMES. SETTLEMENT OR WASHING THAT MAY OCCUR SHALL BE REPARED AS INCCESSARY TO MAINTAIN AN EFFECTIVE BARRIER. MINITAIN THE SEDIMENT FENCE WHILE IN TREACHES 1/3 THE HEIGHT OF THE FENCE. THE SEDIMENT FENCE WILL BE REPARED AS INCCESSARY TO MAINTAIN AN EFFECTIVE BARRIER. MINITAIN THE CONSTRUCTION EXIT IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE STE. THIS MAY REQUIRE PERIODIC TOP DRESISM WITH ADDITIONAL STORE. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TACKED ONTO PUBLIC ROADWAYS, RESEED AND MULCH AREA WHERE SEEDING EMERGENCE IS POOR. OR WHERE EROSION OCCURS. PROTECT FROM TRAFFIC AS MUCH AS POSIBLE. INSPECT ALL MULCHES PERIODICALLY, AND AFTER RAINSTORMS TO CHECK FOR EROSION, DISLOCATION OR FAILURE. IF WASHOUT OCCURS, REPAR THE SLOPE GRADE, RESEED AND REINSTALL MULCH. FOLOW THE CONSTRUCTION ASCIUNCE THROUGHOUT THE PROJECT DEVELOPMENT. WHENE CONSTRUCTION ASCIUNCE THROUGHOUT THE PROJECT DEVELOPMENTALL MULCH. FOLOW THE CONSTRUCTION ACTIVITIES ARE NEEDED, AMENDA THE SEDIMENT AND EROSION CONTROL MASURES WILL REMAIN IN PLACE AND BE MAINTAIND THE SIDTFRED AREAS ARE STABILIZED.</li>   . SUIT FENCE WIL</ul>
<ul> <li>1.111. CONSTRUCT SEDIMENT BASINS FOR DRAINAGE AREAS GREATER THAN 10 ACRES</li> <li>1.2. ROUGH GRADING</li> <li>1.2.1. ALL EXISTING CONTROLS WILL BE MAINTAINED DURING ROUGH GRADING, DELAYS OF GREATER THAN 14 DAYS PRIOR TO START OF NEXT ACTIVITY WILL MANDATE STABILIZATION PROCEDURES. ACCEPTABLE METHODS OF STABILIZATION INCLUDE MULCHING AND TEMPORARY SEEDING.</li> <li>1.2.2. ALL AREAS NOT SUBJECT TO FURTHER CONSTRUCTION (DRAINAGE, SANITARY SEWER, ROADS, WATER DISTRIBUTION SYSTEMS, OR STORM WATER FACILITIES) SHALL BE GRASSED WITH A PERMANENT COVER.</li> <li>1.2.3. COVER ANY STOCK PILED TOPSOIL WITH PLASTIC (OR OTHER IMPERVIOUS COVERING) OR USE A TEMPORARY SEED MIX. USE STOCKPILED TOPSOIL AS EARTHEN BERMS TO SERVE AS TEMPORARY SEEDIMENT BASINS.</li> <li>1.3. DRAINAGE</li> <li>1.3. DRAINAGE</li> <li>1.3. ALL EXISTING CONTROLS WILL BE MAINTAINED DURING DRAINAGE INSTALLATION.</li> <li>1.2. CONSTRUCTION DRAINAGE WILL BE MAINTAINED DURING DRAINAGE INSTALLATION.</li> <li>1.3. CONTRUCTION DRAINAGE WILL BE COUTED THROUGH LAKES, WHICH WILL ACT AS SEDIMENT BASINS OR OTHER ACCEPTABLE SEDIMENT BASINS/TRAPS.</li> <li>1.3. STORM DRAIN INLET PROTECTION AS SHOWN ON DETAIL SHEET SHALL BE INSTALLED ON ALL CURB INLETS, STORM DRAIN MANHOLES, JUNCTION BOXES, AND GRATE INLETS.</li> <li>1.4. DELAYS OF GREATER THAN 14 DAYS PRIOR TO START OF THE NEXT CONSTRUCTION SEQUENCE WILL MANDATE STABILIZATION PROCEDURES. ACCEPTABLE METHODS OF STABILIZATION INCLUDE MULCHING AND TEMPORARY SEEDING.</li> <li>1.3. ALL STORM UNCLUDE MULCHING AND TEMPORARY SEEDING.</li> <li>1.4. WASTE DISTRIBUTION SYSTEM INSTALLATION</li> <li>1.4. WASTE DISTRIBUTION SYSTEM INSTALLATION</li> <li>1.4. WASTE DISTRIBUTION SYSTEM INSTALLATION</li> <li>1.5. WASTEWATER COLLECTION SYSTEM INSTALLATION</li> <li>1.4. LEXISTING CONTROLS WILL BE MAINTAINED DURING INSTALLATION OF THE WASTEWATER STABILIZATION PROCEDURES. ACCEPTABLE METHODS OF STABILIZATION INCLUDE MULCHING AND TEMPORARY SEEDING.</li> <li>1.5. WASTEWATER COLLECTION SYSTEM INSTALLATION</li> <li>1.4. LEXISTING CONTRO</li></ul>	<text><list-item><list-item><list-item><table-container><table-container><table-row><table-row><table-row><table-row><table-row><table-row></table-row></table-row></table-row></table-row></table-row></table-row></table-container></table-container></list-item></list-item></list-item></text>
<ul> <li>1.6.1. ALL EXISTING CONTROLS WILL BE MAINTAINED DURING ROAD CONSTRUCTION.</li> <li>1.6.2. DELAYS OF GREATER THAN 14 DAYS PRIOR TO START OF NEXT ACTIVITY WILL MANDATE STABILIZATION PROCEDURES. ACCEPTABLE METHODS OF STABILIZATION INCLUDE MULCHING AND TEMPORARY SEEDING.</li> <li>1.7. GRASSING</li> <li>1.7.1. ALL EXISTING CONTROLS WILL BE MAINTAINED UNTIL GRASSING IS ESTABLISHED</li> <li>1.7.2. ANY AREAS THAT ERODE OR WHERE GRASS DOES NOT ESTABLISH ITSELF SHALL BE RE-GRADED AND RE-GRASSED.</li> <li>2. STORM WATER MANAGEMENT RUNOFF FROM THIS PROJECT WILL DISCHARGE INTO A STORM WATER MANAGEMENT SYSTEM. TREATMENT WILL OCCUR IN STORM WATER DETENTION PONDS.</li> <li>3. OTHER CONTROLS</li> </ul>	<ol> <li>IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO GRASSING / HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.</li> <li>STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:</li> <li>WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.</li> <li>WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.</li> <li>ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE BEFORE THE NEXT STORM EVENT WHENEVER PRACTICAL.</li> <li>PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL</li> </ol>

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED INTO ANY WATERS OF THE STATE.

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- ONTROLLING SURFACE AND AIR MOVEMENT OF DUST ES. THE PURPOSE OF THE MEASURE IS TO REDUCE ES, WHICH MAY BE HARMFUL OR INJURIOUS TO R TO ANIMALS OR PLANT LIFE.
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- INTAINED AT ALL TIMES. IF FULL IMPLEMENTATION DE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EASURES SHALL BE IMPLEMENTED TO CONTROL OR AGE SWALES, POCKETS, DEPRESSION, LOW LINES, TIVELY AT ALL TIMES. SETTLEMENT OR WASHING THE CONTRACTOR. SEDIMENT WILL BE REMOVED I IT REACHES 1/3 THE HEIGHT OF THE FENCE. THE CESSARY TO MAINTAIN AN EFFECTIVE BARRIER NDITION TO PREVENT MUD OR SEDIMENT FROM IODIC TOP DRESSING WITH ADDITIONAL STONE. E MATERIALS SPILLED, WASHED, OR TACKED ONTO REA WHERE SEEDING EMERGENCE IS POOR, OR I TRAFFIC AS MUCH AS POSSIBLE, INSPECT ALL STORMS TO CHECK FOR EROSION, DISLOCATION OR IE SLOPE GRADE. RESEED AND REINSTALL MULCH. HROUGHOUT THE PROJECT DEVELOPMENT. WHEN RE NEEDED, AMEND THE SEQUENCE SCHEDULE IN TROL. IF MAJOR CHANGES ARE NECESSARY, SEND A ENGINEER, SEDIMENT AND EROSION CONTROL
- ONSTRUCTION. ANY SILT FENCE WHICH IS NOT REPAIRED. CLEAN OUT THE SILT FENCE WHEN IT REPLACE WITH FUNCTIONAL SILT FENCE WITHIN 24 H THE SEDIMENT INTO THE STORM INLETS IS
- JSED CAPACITY OR APPROACHING SUCH CAPACITY SIONS AND THE SILT PROPERLY DISPOSED OF.
- MEASURES WHICH BEGIN TO DISINTEGRATE OR LY REPLACED.
- IZE DISTURBED SOILS WHICH IS ITSELF DISTURBED
- AND CLEAN ADJACENT ROADS OF ANY MUD
- ED AREAS OF THE CONSTRUCTION SITE, AREAS EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN EASURES, AND LOCATIONS WHERE VEHICLES SEVEN CALENDAR DAYS. WHERE SITES HAVE SHALL BE CONDUCTED AT LEAST ONCE EVERY
- RAGE OF MATERIALS THAT ARE EXPOSED TO ENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ND SEDIMENT CONTROL MEASURES IDENTIFIED IN AT THEY ARE OPERATING CORRECTLY. WHERE SSIBLE THEY SHALL BE INSPECTED TO ASCERTAIN EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS HICLES ENTER OR EXIT THE SITE SHALL BE NT TRACKING.
- OF THE INSPECTION, NAME(S) AND QUALIFICATIONS DATE(S) OF THE INSPECTION, WEATHER INSPECTION (OR SINCE COMMENCEMENT OF STIMATE OF THE BEGINNING OF EACH STORM ROXIMATE AMOUNT OF RAINFALL FOR EACH STORM RGES OCCURRED, LOCATION(S) OF DISCHARGES OF ITE, LOCATION(S) OF BMP'S THAT NEED ILED TO OPERATE AS DESIGNED OR PROVED CATION(S) WHERE ADDITIONAL BMP'S ARE NEEDED IN AND ANY CORRECTIVE ACTION REQUIRED RY AND IMPLEMENTATION DATES.
- HREE YEARS FROM THE DATE THE SITE IS FINALLY D SHALL CONTAIN A CERTIFICATION THAT THE ATER POLLUTION PREVENTION PLAN AND THE TRACTOR SHALL MAINTAIN THIS REPORT. THE R AND OWNER.
- AINAGE AND STORM WATER
- WNED AND MAINTAINED BY BERKELEY COUNTY
- B) VERTICAL FEET SHOULD BE STABILIZED WITH TO GRASSING / HYDROSEEDING. IT MAY BE RAINS DURING CONSTRUCTION. TEMPORARY ROUGHT TO GRADE.
- AS SOON AS PRACTICABLE IN PORTIONS OF THE TEMPORARILY OR PERMANENTLY CEASED, BUT IN FER WORK HAS CEASED, EXCEPT AS STATED
- PRECLUDED BY SNOW COVER OR FROZEN GROUND ST BE INITIATED AS SOON AS PRACTICABLE. RTION OF THE SITE IS TEMPORARILY CEASED, AND SUMED WITHIN 14 DAYS, TEMPORARY D BE INITIATED ON THAT PORTION OF THE SITE.
- S SHALL BE INSPECTED ONCE EVERY CALENDAR AT ARE DAMAGED OR ARE NOT OPERATING MED AS SOON AS PRACTICAL OR AS REASONABLY ENEVER PRACTICAL.

- STORMWATER POLLUTION PREVENTION PLAN
- 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- 6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
- 7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 AND SCR100000.
- 8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- 9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN NOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS
- 10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- 11. A COPY OF THE SWPPP, INSPECTION RECORDS AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION FASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- 13. MINIMIZE SOIL COMPACTION IN AREAS NOT UNDER PAVEMENTS AND /OR STRUCTURES AND. UNLESS INFEASIBLE. PRESERVE TOPSOIL
- 14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUAL OR BETTER TREATMENT PRIOR TO DISCHARGE.
- 15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).

16. THE FOLLOWING DISCHARGES ARE PROHIBITED:

- 16.1. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE
- CONTROL; 16.2. WASTEWATER FROM WASHOUT AND CLEANOUT OF OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
- 16.3. FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE: AND
- 16.4. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- 17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- 18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF PERMIT SCR100000 AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE. THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED THESE PERFORMANCE STANDARDS APPLY TO ALL SITES. AS SOON AS REASONABLY POSSIBLE.
- 19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE, THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

## VII. EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

- 1. THE IMPLEMENTATION OF THESE EROSION SEDIMENT CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED
- 2. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- 3. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- 4. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING
- 5. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A MAJOR STORM EVENT.
- 6. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING AND PRIOR TO FINAL INSPECTION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 7. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT
- 8. BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY, THE EXISTING STORM WATER INLET(S) THAT RECEIVING RUNOFF FROM THE PROPOSED WORK AREA SHALL BE PROTECTED. THE TEMPORARY INLET PROTECTION MUST REMAIN IN PLACE UNTIL THE CONSTRUCTION ACTIVITY IS COMPLETED, THE STREET HAS BEEN SWEPT AND ANY EXPOSED SOILS ARE STABILIZED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REMOVING ANY TEMPORARY INLET PROTECTION INSTALLED: AFTER ALL DISTURBED AREAS ARE STABILIZED. TEMPORARY PROTECTION OF THE INLETS MAY BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING:
- 8.1. USE OF GRAVEL BAGS TO FILTER THE SEDIMENT FROM ANY RUNOFF. TO MAKE A GRAVEL BAG, USE A BAG MADE OF GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH EITHER 3/4 INCH ROCK OR 1/4 INCH PEA GRAVEL
- 8.2. USE OF SEDIMENT LOGS TO FILTER THE SEDIMENT FROM ANY RUNOFF (AVAILABLE THROUGH LOCAL EROSION CONTROL SUPPLIERS).
- 8.3. USE OF ABOVE OR UNDER-GRATE FILTER BAGS OR DEVICES TO FILTER THE SEDIMENT FROM ANY RUNOFF (AVAILABLE THROUGH EROSION CONTROL SUPPLIERS).
- 9. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION, SEDIMENTATION, OR FLOODING ON THE SITE, ON DOWNSTREAM PROPERTIES, IN THE RECEIVING CHANNELS, OR IN ANY STORM WATER INLET. WHEN SITE DEWATERING, WATER PUMPED FROM THE SITE, INCLUDING TRENCHES, SHALL BE TREATED BY ONE OF THE FOLLOWING:
- 9.1. TEMPORARY SEDIMENTATION BASINS 9.2. SEDIMENT FILTERING BAGS
- 10. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES. EXISTING UTILITIES ARE ALL UTILITIES THAT EXIST ON THE PROJECT IN AN ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UNDERGROUND OR OVERHEAD FACILITIES, EVEN IF THE UTILITY IS NOT SHOWN ON THE SITE DEVELOPMENT PLANS. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITIES PROTECTION CENTER TO COORDINATE THE MARKING OF EXISTING UTILITY LINES A MINIMUM OF 96 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- 11. THE CONTRACTOR SHALL FLUSH ALL INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SHALL BE CONSIDERED PART OF THE COST FOR THE PROJECT.
- 12. EGRESS FROM THE SITE SHALL BE CONTROLLED SUCH THAT VEHICLES LEAVING THE SITE MUST TRAVERSE CONSTRUCTION EXITS TO REMOVE MUD FROM TIRES.

## 13. SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSURE. IN SCHEDULING, TAKE INTO ACCOUNT THE S

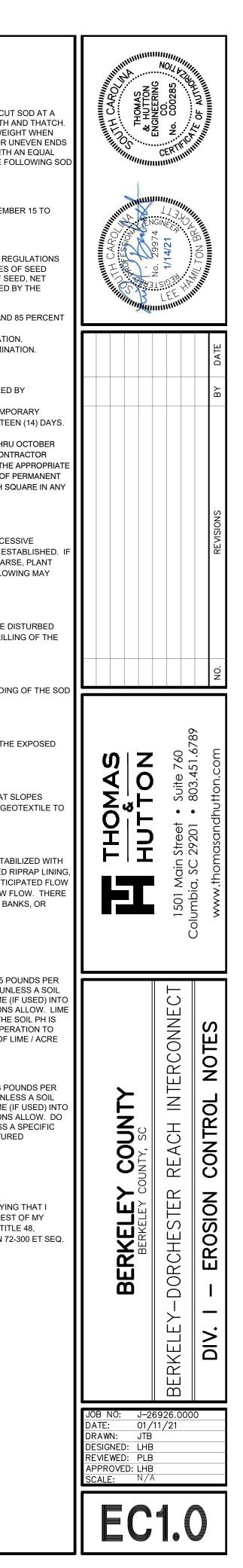
- 14. EROSION CONTROL MEASURES ARE THE MINIMUM REQU ADDITIONAL CONTROL MEASURES AS DICTATED BY ACT CONSTRUCTION IN ORDER TO PREVENT EROSION AND C SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE PROJECT IS TERMINATED OR SUSPENDED FOR AND IND AREAS SHALL BE PLANTED WITH PERMANENT VEGETATI
- 15. THE DATA, TOGETHER WITH ALL OTHER INFORMATION S INDICATED THEREBY WHETHER BY DRAWINGS OR NOTE UPON FIELD INVESTIGATIONS AND IS BELIEVED TO BE IN HOWEVER, THE SAME IS SHOWN AS INFORMATION ONLY, THOMAS & HUTTON, OR THE OWNER IN ANY WAY.
- 16. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS T CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PR SWALES TO INSURE STORM WATER DOES NOT POND ON
- 17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT AN THE CONSTRUCTION AREA AND TO FACILITATE STORM V
- 18. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PF EROSION AND SEDIMENT CONTROL MEASURES AND PRA LAND DISTURBING ACTIVITIES.
- 19. LIME RATES AND ANALYSIS:
- 19.1. AGRICULTURAL LIME SHALL BE APPLIED AT THE RAT UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURA SPECIFICATIONS OF THE SOUTH CAROLINA DEPART
- 20. MULCHING:
- MULCHING IS REQUIRED FOR ALL PERMANENT VEGETAT SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELEC FOLLOWING AND APPLY AS INDICATED:
- 20.1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FF STRAW SHALL BE APPLIED AT THE RATE OF TWO TO AT THE RATE OF 2 1/2 TONS PER ACRE.
- 20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SI IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HY
- 20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDI 20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SER
- PER ACRE. 20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICE ORNAMENTALS OR OTHER GROUND COVERS ARE PL SEEDED AREAS.
- 20.6. WHEN USING TEMPORARY EROSION CONTROL BLAN REQUIRED. 20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND
- EROSION CONTROL BLANKETS THAT HAVE BEEN PF ACCORDING TO THE MANUFACTURER'S INSTRUCTION
- 2:1 SLOPES OR STEEPER: STRAW/COCONUT BLA 3:1 SLOPES OR STEEPER: - WOOD OR STRAW BLAM • 4:1 SLOPES OR FLATTER: - WOOD OR STRAW MUL

## VIII. HOUSEKEEPING

- 1. PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUB
- 1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETR
- OR ON MAINTENANCE AND FUELING VEHICLES 1.2. STORE IN COVERED AREAS PROTECTED WITH DIKES
- 2. SPILLS: PREVENTION AND RESPONSE.
- 2.1. STORE AND HANDLE MATERIALS TO PREVENT SPILL
- 2.2. TIGHTLY SEALED CONTAINERS, NEAT AND SECURE 2.3. REDUCE STORM WATER CONTACT IF SPILL OCCURS
- 2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY PO
- 2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILA
- 2.3.3. STOP THE SOURCE 2.3.4. CONTAIN THE SPILL
- 3. NON-STORM WATER DISCHARGES

- 3.1. DISCHARGES FROM FIRE-FIGHTING ACTIVITIES
- 3.2. FIRE HYDRANT FLUSHINGS 3.3. WATERS USED TO WASH VEHICLES WHERE DETERG
- 3.4. WATER USED TO CONTROL DUST
- 3.5. POTABLE WATER INCLUDING UNCONTAMINATED WA
- 3.6. ROUTINE EXTERNAL BUILDING WASH DOWN THAT DC 3.7. PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATER DETERGENTS ARE NOT USED
- 3.8. UNCONTAMINATED AIR CONDITIONING OR COMPRE 3.9. UNCONTAMINATED GROUND WATER OR SPRING WA
- 3.10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS AF MATERIALS SUCH AS SOLVENTS
- 3.11. UNCONTAMINATED EXCAVATION DEWATERING 3.12. LANDSCAPE IRRIGATION
- 3.13. DECHLORINATED SWIMMING POOL DISCHARGES.
- 4. CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAG SUPPLIES, ETC.
- 4.1. SELECT A DESIGNATED WASTE COLLECTION AREA
- 4.2. PROVIDE LIDS FOR WASTE CONTAINERS 4.3. WHEN POSSIBLE LOCATE CONTAINERS IN COVERED

13. SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSED AREA AND DURATION OF EXPOSURE. IN SCHEDULING, TAKE INTO ACCOUNT THE SEASON AND THE WEATHER FORECAST.	IX. GRASSING NOTES 1. SOD:
14. EROSION CONTROL MEASURES ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROL MEASURES AS DICTATED BY ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION IN ORDER TO PREVENT EROSION AND CONTROL SEDIMENT. EROSION AND SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE ENTIRE PROJECT IS TERMINATED OR SUSPENDED FOR AND INDEFINITE LENGTH OF TIME, ALL DISTURBED AREAS SHALL BE PLANTED WITH PERMANENT VEGETATION.	ALL SOD SHALL BE NURSERY GROWN AS CLASSIFIED IN THE ASPS GSS. MACHINE CUT SOD AT A UNIFORM THICKENS OF 3/4" WITHIN A TOLERANCE OF 1/4", EXCLUDING TOP GROWTH AND THATC EACH INDIVIDUAL SOD PIECE SHALL BE STRONG ENOUGH TO SUPPORT ITS OWN WEIGHT WHEN LIFTED BY THE ENDS. BROKEN PODS, IRREGULARLY SHAPED PIECES, AND TORN OR UNEVEN EN WILL BE REJECTED. WOOD PEGS AND / OR WIRE STAPLES SHALL REPLACE SOD WITH AN EQUAL SOD COMPOSITION AS THAT WHICH IS EXISTING. IF NO SOD TYPE EXIST. THEN THE FOLLOWING S
15. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, IS BASED UPON FIELD INVESTIGATIONS AND IS BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME IS SHOWN AS INFORMATION ONLY, IS NOT GUARANTEED AND DOES NOT BIND THOMAS & HUTTON, OR THE OWNER IN ANY WAY.	<ol> <li>SODDING SCHEDULE:</li> <li>LAY SOD FROM MAY 1 TO SEPTEMBER 15 FOR SPRING PLANTING AND FROM SEPTEMBER 15 TO NOVEMBER 1 FOR FALL PLANTING.</li> </ol>
16. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PROVIDE NECESSARY TEMPORARY DRAINAGE SWALES TO INSURE STORM WATER DOES NOT POND ON SITE.	3. SEED: ALL SEED SHALL CONFORM TO ALL STATE LAWS AND TO ALL REQUIREMENTS AND REGULATIONS
17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITHIN THE CONSTRUCTION AREA AND TO FACILITATE STORM WATER DISCHARGE.	OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE. THE SEVERAL VARIETIES OF SEED SHALL BE INDIVIDUALLY PACKAGED OR BAGGED, AND TAGGED TO SHOW NAME OF SEED, NET WEIGHT, ORIGIN, GERMINATION, LOT NUMBER, AND OTHER INFORMATION REQUIRED BY THE
18. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.	DEPARTMENT OF AGRICULTURE. 3.1. PENNISETUM GLAUCIUM (BROWNTOP MILLET): TESTING 98 PERCENT PURITY AND 85 PERCEI GERMINATION.
<ol> <li>19. LIME RATES AND ANALYSIS:</li> <li>19.1. AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE SHOWN IN THE SEEDING SECTION UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME APPLICATION SHALL BE WITHIN THE SPECIFICATIONS OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE.</li> <li>20. MULCHING:</li> </ol>	<ul> <li>3.2. BERMUDA COMMON: TESTING 98 PERCENT PURITY AND 85 PERCENT GERMINATION.</li> <li>3.3. DOMESTIC ITALIAN RYE: TESTING 98 PERCENT PURITY AND 90 PERCENT GERMINATION.</li> <li>4. MISCELLANEOUS:</li> <li>4.1. PERMANENT SEEDING SHALL COVER ALL DISTURBED AREA NOT TO BE COVERED BY LANDSCAPE PLANTING BEDS, STRUCTURE, OR PAVEMENT.</li> <li>4.2. SEED ALL DISTURBED AREAS WITHIN SEVEN DAYS OF FINAL GRADING AND TEMPORARY SEED/MULCH ALL AREAS THAT WILL BE LEFT INACTIVE FOR MORE THAN FOURTEEN (14) DAY</li> <li>4.3. ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED</li> </ul>
<ul> <li>MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:</li> <li>20.1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE. DRY HAY SHALL BE APPLIED AT THE RATE OF 2 1/2 TONS PER ACRE.</li> </ul>	<ul> <li>4.4. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER</li> <li>4.5. IF GRASSING OCCURS DURING A MONTH REQUIRING TEMPORARY COVER, THE CONTRACTOR SHALL APPLY PERMANENT COVER (IN ADDITION TO THE TEMPORARY COVER) AT THE APPROPRINT TIME AT NO NO ADDITIONAL COST. THE CONTRACTOR MUST ACHIEVE A STRAND OF PERMANEN GRASS WITH AT LEAST 95% COVER. BARE SPOTS CAN NOT BE MORE THAN 1 INCH SQUARE IN AU 10 SF.</li> </ul>
<ol> <li>20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.</li> <li>20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.</li> <li>20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS PER ACRE.</li> <li>20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.</li> <li>20.6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS NOT REQUIRED.</li> </ol>	<ul> <li>X. PERMANENT STABILIZATION</li> <li>NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL ESTABLISHED NECESSARY, AREAS MUST BE RE-WORKED AND RE-STABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY ,OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO THE SITE.</li> <li>4.1. SEEDED AREAS</li> <li>FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE</li> </ul>
20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4:1 OR STEEPER, USE THE FOLLOWING EROSION CONTROL BLANKETS THAT HAVE BEEN PROPERLY ANCHORED TO THE SLOPE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS:	TOPSOIL. 4.2. SODDED AREAS
<ul> <li>2:1 SLOPES OR STEEPER: - STRAW/COCONUT BLANKET OR HIGH VELOCITY WOOD BLANKET</li> <li>3:1 SLOPES OR STEEPER: - WOOD OR STRAW BLANKET WITH NET ON BOTH SIDES</li> <li>4:1 SLOPES OR FLATTER: - WOOD OR STRAW MULCH BLANKET WITH NET ON ONE SIDE</li> </ul>	FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE S ROOTS INTO THE APPROVED MULCH MATERIAL.
III. HOUSEKEEPING	4.3. PERMANENT MULCH FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED
HESE PERFORMANCE STANDARDS APPLY TO ALL SITES.	AREA WITH AN APPROVED MULCH MATERIAL.
<ol> <li>PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBRICANTS AND ASPHALTIC SUBSTANCES.</li> <li>1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE AREAS OR ON MAINTENANCE AND FUELING VEHICLES</li> <li>1.2. STORE IN COVERED AREAS PROTECTED WITH DIKES</li> </ol>	FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF AN APPROVED GEOTEXTILE 1 PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP.
2. SPILLS: PREVENTION AND RESPONSE.	4.5. DITCHES, CHANNELS, AND SWALES
<ul> <li>2.1. STORE AND HANDLE MATERIALS TO PREVENT SPILLS</li> <li>2.2. TIGHTLY SEALED CONTAINERS, NEAT AND SECURE STACKING, ETC.</li> <li>2.3. REDUCE STORM WATER CONTACT IF SPILL OCCURS</li> <li>2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY POSTED.</li> <li>2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILABLE</li> <li>2.3.3. STOP THE SOURCE</li> <li>2.3.4. CONTAIN THE SPILL</li> </ul>	FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WIT MATURE VEGETATION AT LEAST THREE INCHES IN HEIGHT, WITH WELL-GRADED RIPRAP LINI OR WITH ANOTHER NON-EROSIVE LINING CAPABLE OF WITHSTANDING THE ANTICIPATED FLO VELOCITIES AND FLOW DEPTHS WITHOUT RELIANCE ON CHECK DAMS TO SLOW FLOW. THE MUST BE NO EVIDENCE OF SLUMPING OF THE LINING, UNDERCUTTING OF THE BANKS, OR DOWN CUTTING OF THE CHANNEL.
3. NON-STORM WATER DISCHARGES	XI. FERTILIZER REQUIREMENTS 1. TEMPORARY SEEDING FERTILIZER
<ul> <li>THE FOLLOWING NON-STORMWATER DISCHARGES MUST BE PROTECTED FROM CAUSING POLLUTION OR EROSION:</li> <li>3.1. DISCHARGES FROM FIRE-FIGHTING ACTIVITIES</li> <li>3.2. FIRE HYDRANT FLUSHINGS</li> <li>3.3. WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED</li> <li>3.4. WATER USED TO CONTROL DUST</li> <li>3.5. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS</li> <li>3.6. ROUTINE EXTERNAL BUILDING WASH DOWN THAT DOES NOT USE DETERGENTS</li> <li>3.7. PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS ARE NOT USED</li> <li>3.8. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE</li> <li>3.9. UNCONTAMINATED GROUND WATER OR SPRING WATER</li> <li>3.10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS</li> <li>3.11. UNCONTAMINATED EXCAVATION DEWATERING</li> <li>3.12. LANDSCAPE IRRIGATION</li> <li>3.13. DECHLORINATED SWIMMING POOL DISCHARGES.</li> </ul>	<ul> <li>APPLY A MINIMUM OF 500 LBS PER ACRE OF A COMPLETE 10-10-10 FERTILIZER (11.5 POUNDS PEF 1000 SQUARE FEET) OR EQUIVALENT DURING TEMPORARY SEEDING OF GRASSES UNLESS A SOI TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) IN THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. LI IS NOT REQUIRED FOR TEMPORARY SEEDING UNLESS A SOIL TEST SHOWS THAT THE SOIL PH IS BELOW 5.0. IT IS DESIRABLE TO APPLY LIME DURING THE TEMPORARY SEEDING OPERATION TO BENEFIT THE LONG-TERM PERMANENT SEEDING. APPLY A MINIMUM OF 1.5 TONS OF LIME / ACRE (70LBS. / 1000 SQ. FT.).</li> <li>PERMANENT SEEDING FERTILIZER</li> <li>APPLY A MINIMUM OF 1000 LBS PER ACRE OF A COMPLETE 10-10-10 FERTILIZER (23 POUNDS PER 1000 SQUARE FEET) OR EQUIVALENT DURING PERMANENT SEEDING OF GRADES UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) IN THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. D NOT MIX THE LIME AND THE FERTILIZER PRIOR TO THE FIELD APPLICATION. UNLESS A SPECIFIC SOIL TEST INDICATES OTHERWISE, APPLY 1 &amp; 1/2 TONS OF GROUND COARSE TEXTURED AGRICULTURAL LIMESTONE PER ACRE (70 LBS. / 1000 SQ.FT.).</li> </ul>
4. CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAGING MATERIALS, SCRAP BUILDING SUPPLIES, ETC.	XII. SWPP PREPARER CERTIFICATION
<ul> <li>4.1. SELECT A DESIGNATED WASTE COLLECTION AREA</li> <li>4.2. PROVIDE LIDS FOR WASTE CONTAINERS</li> <li>4.3. WHEN POSSIBLE LOCATE CONTAINERS IN COVERED AREA</li> <li>4.4. MAINTAIN CONSISTENT REMOVAL SCHEDULE FOR WASTE</li> <li>5. PESTICIDES: REDUCE THE AMOUNT OF PESTICIDES AVAILABLE FOR CONTACT WITH STORM WATER.</li> </ul>	I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SE (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.
<ul> <li>5.1. STORE IN A DRY COVERED AREA</li> <li>5.2. INSTALL CURBS OR DIKES AROUND STORAGE AREA TO PROTECT AGAINST SPILLS</li> <li>5.3. STRICTLY FOLLOW RECOMMENDED APPLICATION RATES</li> </ul>	
<ol> <li>STRUTT FOLLOW RECOMMENDED AFFLICATION RATES</li> <li>FERTILIZERS AND DETERGENTS: REDUCE THE AMOUNT OF FERTILIZERS AND DETERGENTS AVAILABLE FOR CONTACT WITH STORM WATER.</li> </ol>	
<ul> <li>6.1. LIMIT APPLICATION OF FERTILIZERS TO THE MINIMUM NEEDED</li> <li>6.2. APPLY MORE FREQUENTLY BUT AT LOWER APPLICATION RATES</li> <li>6.3. LIMIT USE OF DETERGENTS ON-SITE</li> </ul>	
<ul> <li>6.4. DO NOT DISCHARGE WASH WATER INTO STORM WATER SYSTEM</li> <li>6.5. MAINTAIN STRUCTURAL AND VEGETATIVE BMP'S</li> <li>6.6. APPLY ACCORDING TO SOIL TEST RECOMMENDATIONS PRIOR TO SEEDING.</li> </ul>	



													<u> </u>
				TEN	IPORARY S	SEEDING	- COASTA	L					
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	ł	•	•	ł	SANDY, DF	ROUGHT	Y SITES	ł		•		ł	
BROWNTOP MILLET	40												
RYE, GRAIN	56												
RYEGRASS	50												
	·	•		WELLI	DRAINED, C	CLAYEY/L	OAMEY S	ITES		•			•
BROWNTOP MILLET	40												
JAPANESE MILLET	40												
RYE, GRAIN	56												
OATS	75												
RYEGRASS	50												

				PE	RMANENT	SEEDING	- COASTA	L					
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	_				SANDY, [	DROUGHT	Y SITES						
BROWNTOP MILLET	10												
BAHIAGRASS	40												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
ATLANTIC COASTAL	15												
PANICGRASS	PLS												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
(ALAMO)	PLS												
LITTLE BLUESTEM	4												
SERICEA LESPEDEZA	20												
BROWNTOP MILLET	10												
WEEPING LOVEGRASS	8							-					
		-		WELL	DRAINED	, CLAYEY/L	OAMEY S	ITES					- 1
BROWNTOP MILLET	10												
BAHIAGRASS	40												
RYE, GRAIN	10												
BAHIAGRASS	40												
CLOVER, CRIMSON (ANNUAL)	5												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	10												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	12												
KOBE LESPEDEZA (ANNUAL)	10												
BROWNTOP MILLET	10												
BAHIAGRASS	20			_									
BERMUDA, COMMON	6												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
LITTLE BLUESTEM	PLS												
INDIANGRASS	3												

# STORMWATER POLLUTION PREVENTION PLAN

EROSION CONT	ROL LEGEND		
DESCRIPTION	PLAN SYMBOL		
SILT FENCE			
CLEARING LIMITS	CL CL		
DIVERSION DIKE			
DIVERSION BERM	⇒DB⇒		
TEMPORARY DIVERSION			
PERMANENT DIVERSION	PD		
SUBSURFACE DRAIN	(ssd(		
VEGETATED CHANNEL	<u>*</u>		
RIP RAP LINED CHANNEL			
ECB OR TRM LINED CHANNEL			
PAVED CHANNEL	PC 📖		
TREE PROTECTION			
SURFACE ROUGHENING	OR LG		
TOP SOILING			
TEMPORARY SEEDING	TS		
PERMANENT SEEDING	PS		
MULCHING	M		

EROSION CONT DESCRIPTION	FROL LEGEND	EROSION CONT DESCRIPTION	PLAN SYMBOL	CAROUTH CAROUNI
EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT		ROCK CHECK DAM		
FLEXIBLE GROWTH MATRIX	FGM	POROUS BAFFLES		South Contraction
BONDED FIBER MATRIX	BFM	STABILIZED CONSTRUCTION ENTRANCE		AUTH CAR
SODDING	SO	CONCRETE WASHOUT		
SLOPED SODDING		STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC	A	
STAKED SOD		STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE	A	
STAKED SOD AROUND INLET		STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	B	
RIPRAP		STORM DRAIN INLET PROTECTION - TYPE C BLOCK AND GRAVEL		
OUTLET PROTECTION - RIP RAP		STORM DRAIN INLET PROTECTION - TYPE D RIGID INLET FILTER		
OUTLET PROTECTION - ECB OR TRM		STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	E	
DUST CONTROL	DC	STORM DRAIN INLET PROTECTION - TYPE F INLET TUBE	F	
POLYACRYLAMIDE (PAM)	PAM	STORM DRAIN INLET PROTECTION - TYPE G IMPERVIOUS AREA	G	ທ
SEDIMENT BASIN		STORM DRAIN INLET PROTECTION - CATCH BASIN INSERT	I	THOMAS
SEDIMENT BASIN WITH SKIMMER	Ţ	PIPE SLOPE DRAINS		Ĭ   I   I
SEDIMENT TRAP		TEMPORARY STREAM CROSSING		
ROCK SEDIMENT DIKE		LEVEL SPREADER		
SEDIMENT TUBE				
				≻
DIMENT AND EROSION CONTROL		LAN APPROVALS AND CONTRACTOR TO HAVE	ULE CONSIDERATION	Y COUNT
(S)	<ul> <li>2 FLAG THE WORK LIMITS.</li> <li>3 HOLD PRE CONSTRUCTION</li> <li>ONE WEEK PRIOR TO STANDARD</li> </ul>			ا نې
INVIRONMENTAL CONTROL				RKEL

4 INSTALL CONSTRUCTION ACCESS, SILT FENCE, AND LAY DOWN AREAS. STABILIZE BARE AREAS IMMEDIATELY AND INSTALL CONSTRUCTION EXITS / ENTRANCES.

5 INSTALL WATER DISTRIBUTION SYSTEM.

RAP.

6 SURFACE STABILIZATION-TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIP

7 LANDSCAPING AND FINAL STABILIZATION -TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIP RAP.

APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.

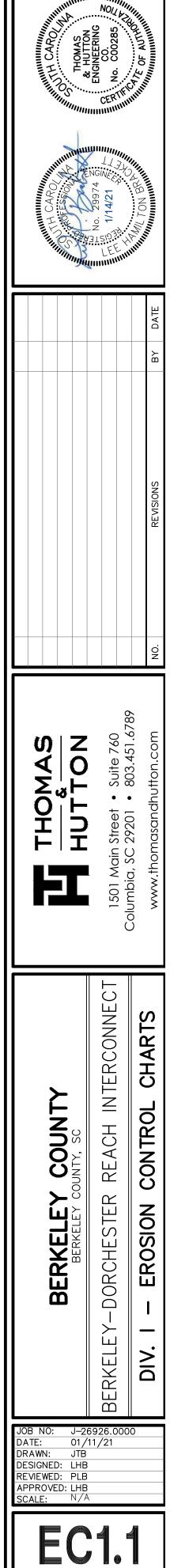
APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE

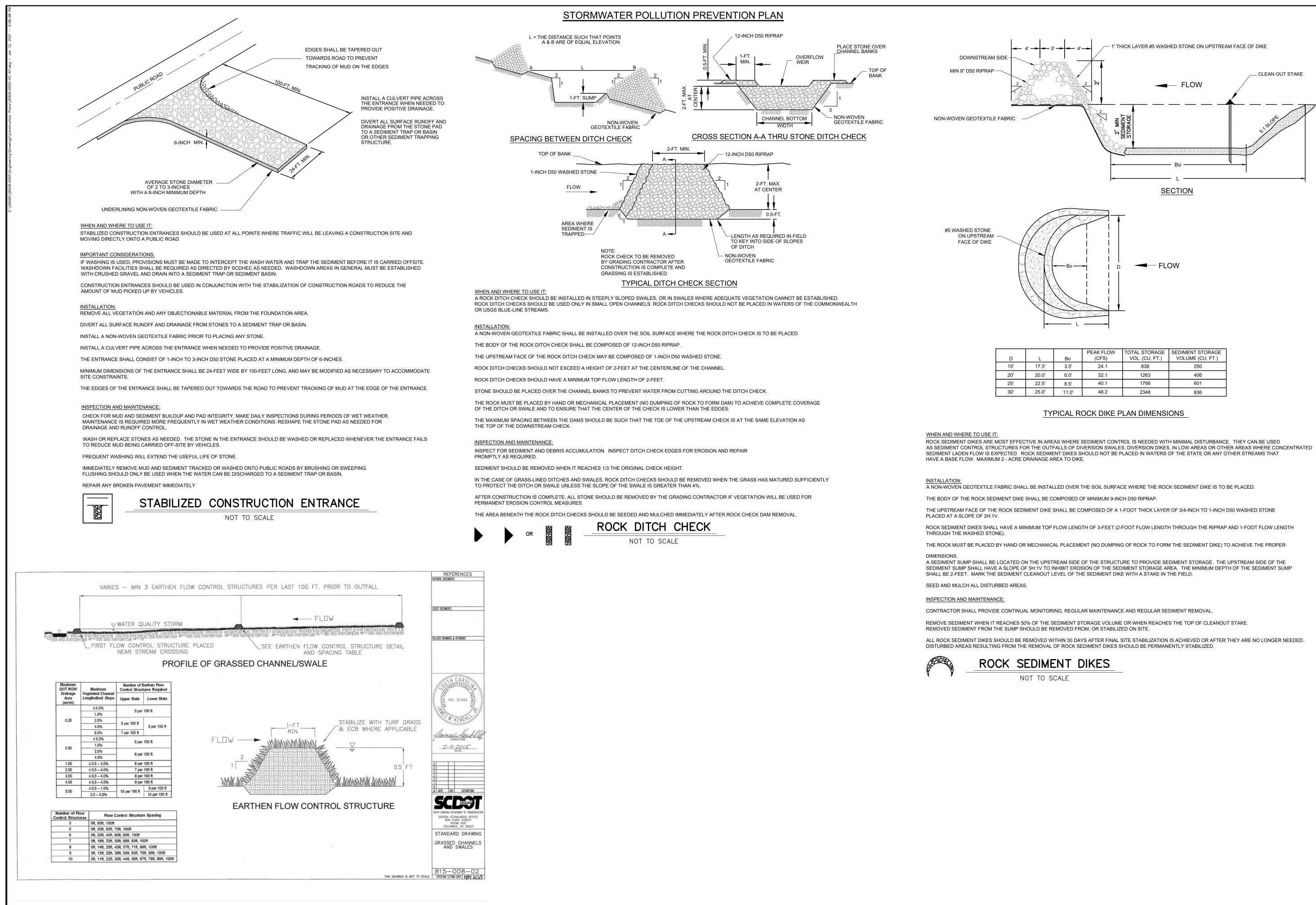
LAST CONSTRUCTION PHASE--STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS. REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES.

WORK IS DELAYED OR COMPLETE.

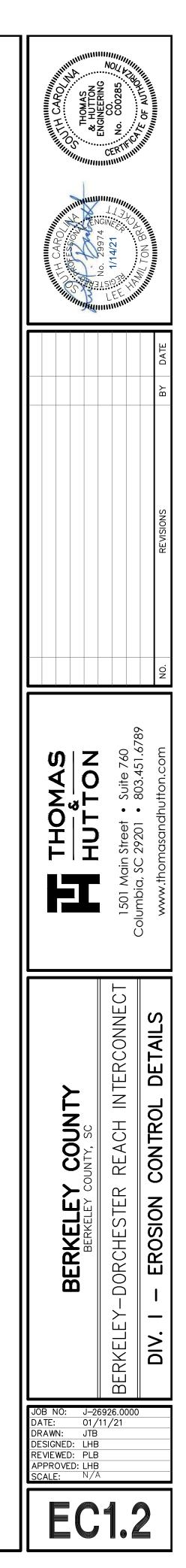
# LIST OF ACRONYMS FOR SED

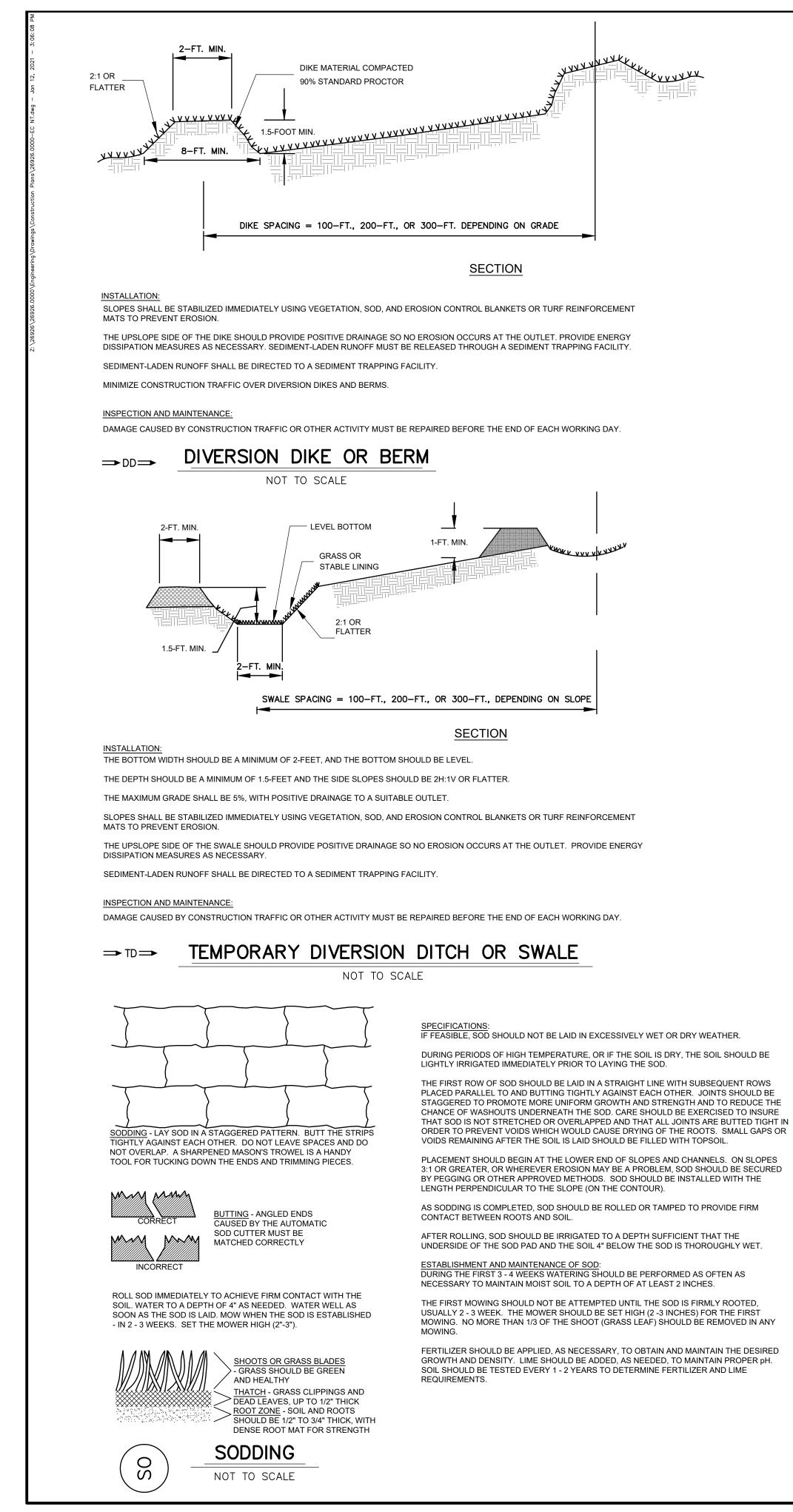
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPOR
AMD	ACRYLAMIDE POLYMER
BFM	BONDED FIBER MATRIX
BMP(S)	BEST MANAGEMENT PRACTICE(S)
CFS	CUBIC FEET PER SECOND
CMP	CORRUGATED METAL PIPE
DHEC	DEPARTMENT OF HEATH AND ENVIRONMENTAL CONTROL
ECB	EROSION CONTROL BLANKET
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPSC	EROSION PREVENTION AND SEDIMENTATION CONTROL
FDA	UNITED STATES FOOD AND DRUG ADMINISTRATION
FGM	FLEXIBLE GROWTH MATRIX
HDPE	HIGH DENSITY POLYETHYLENE
MS4	MUNICIPAL SEPARATE STORM SEWER SYSTEM
MSDS	MATERIAL SAFETY DATA SHEETS
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PAM	POLYACRYLAMIDE OR POLYMER
RCP	REINFORCED CONCRETE PIPE
SCS	SOIL CONSERVATION SERVICE
SWPPP	STORMWATER POLLUTION PREVENTION PROGRAM
TRM	TURF REINFORCEMENT MAT
VFS	VEGETATED FILTER STRIP



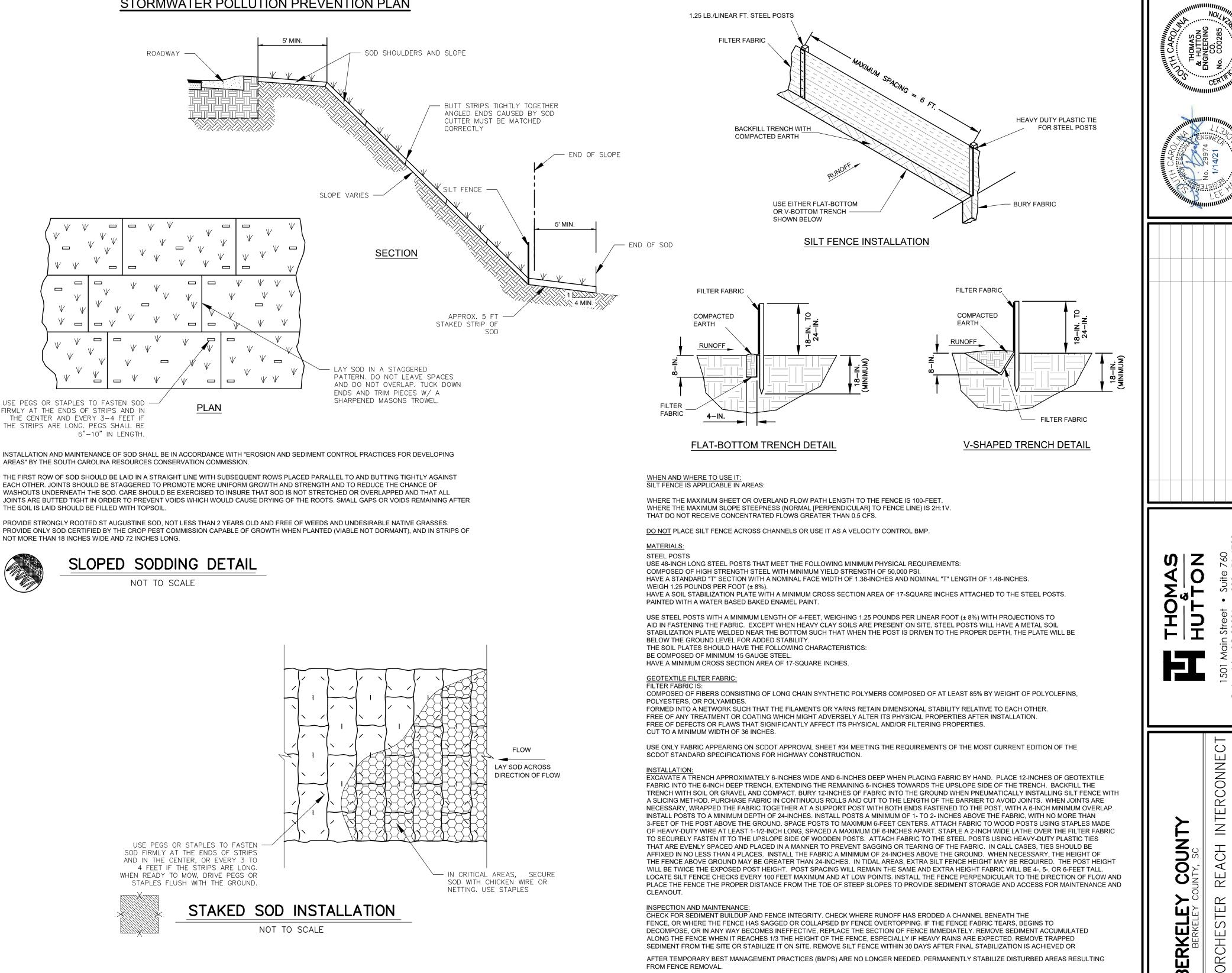


			PEAK FLOW	TOTAL STORAGE	SEDIMENT STORAGE
D	L	Во	(CFS)	VOL. (CU. FT.)	VOLUME (CU. FT.)
15'	17.5'	3.5'	24.1	838	250
20'	20.0'	6.0'	32.1	1263	406
25'	22.5'	8.5'	40.1	1766	601
30'	25.0'	11.0'	48.2	2348	836





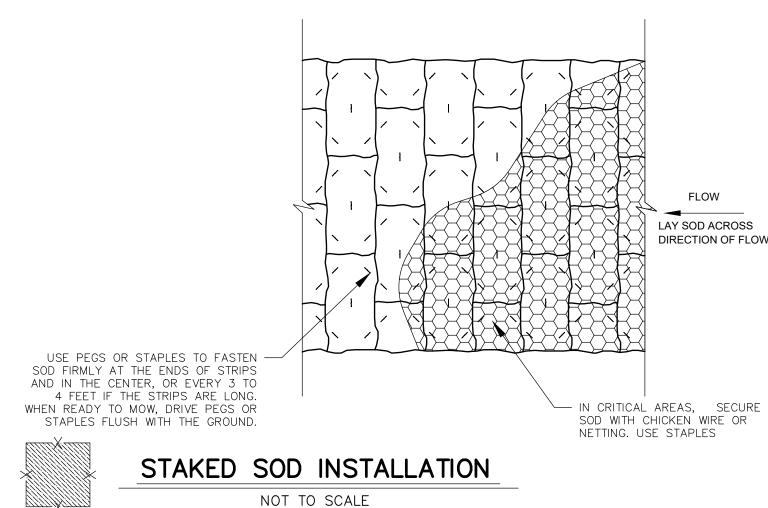
# STORMWATER POLLUTION PREVENTION PLAN



EACH OTHER. JOINTS SHOULD BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH AND TO REDUCE THE CHANCE OF WASHOUTS UNDERNEATH THE SOD. CARE SHOULD BE EXERCISED TO INSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS. SMALL GAPS OR VOIDS REMAINING AFTER THE SOIL IS LAID SHOULD BE FILLED WITH TOPSOIL.

PROVIDE ONLY SOD CERTIFIED BY THE CROP PEST COMMISSION CAPABLE OF GROWTH WHEN PLANTED (VIABLE NOT DORMANT), AND IN STRIPS OF







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