

# ± 1555-LF EIGHT (8)-INCH PHASE I WATERMAIN EXTENSION ALONG INDUSTRIAL PARK LANE WITHIN THE ± 130-ACRE LYCHES RIVER INDUSTRIAL PARK SOUTH NEAR THE TOWN OF PAGELAND IN UNINCORPORATED CHESTERFIELD COUNTY, SOUTH CAROLINA





# SHEET INDEX

SHEET

**EXISTING CONDITIONS AND GENERAL NOTES** 8-INCH WATERMAIN ON INDUSTRIAL PARK LANE PLAN AND PROFILE (STA 0+00 TO 12+00) 8-INCH WATERMAIN ON INDUSTRIAL PARK LANE PLAN AND PROFILE (STA 12+00 TO 15+56) **EROSION AND SEDIMENT CONTROL PLAN** UTILITY DETAIL SHEET (SHEET 1 OF 3) UTILITY DETAIL SHEET (SHEET 2 OF 3) UTILITY DETAIL SHEET (SHEET 3 OF 3) FROSION AND SEDIMENT CONTROL DETAILS

NPDES PERMIT INFORMATION - FOR THIS PHASE OF CONSTRUCTION NPDES DISTURBED AREA = ± 0.5 ACRES MAXIMUM LENGTH OF DISTURBED AREA =  $\pm$  1,555 LINEAR FEET (LF) ALONG INDUSTRIAL PARK LANE

SHEET	NO
C0.0	

C4.1 C4.2

C5.0

C1.0 C2.0 C2.1 C3.0 C4.0

> Bourann Swhalley \_, 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 of Regulation 72-300 et seq. (if applicable), and in accordance with the terms and conditions of SCR100000.



	TH CAPOINT.			No. C02854			DATE: 11/10/23
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	ALLIANCE CONSULTING ENGINEERS, INC.	POST OFFICE BOX 8147	Columbia, South Carolina 29202-8147	PHONE (803) 779-2078	FAX (803) 779-2079	WWW.ALLIANCECE.COM	
			-				
	± 1,555-LF EIGHT (8)-INCH PHASE I	VINTHIN	HES RIVER	UTH NEAR	ESTERFIELD	ROLINA	SOUTH CAROLINA
	THT (8)-INC	PARK LAD	ACRE LYCH	L PARK SOU	RATED CH	COUNTY, SOUTH CAROLINA	COUNTY SO
ROJECT	± 1,555-LF EIC	INDUSTRIAL	THE $\pm 130$ - $_{I}$	INDUSTRIAL	ININCORPO	COUNTY,	HESTERFIELD COU
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550	LEGEND EXISTING MAJOR CONTOURS			TMS#	019	-000-00			b prope	RTIES
540	EXISTING MINOR CONTOURS	-	CURVE	LENGT			E TABLE		CHORD	CHORD BE
			CONVL C-1	411.7		1325.63	17°47		410.05	S53°48'2
	SETBACK LINE	L	0 /	+11.7	0	1020.00	1/4/	40	+10.00	555 40 2
		г		LINE TABL	E				LINE TA	BLE
	DRAINAGE & UTILITY EASEMENT		LINE	LENGTH	E	BEARING		LINE	LENGTH	BEARI
—PL	PARCEL BOUNDARY		L-1	34.39	S1	14°11'11"E		L-1	10.27	S24°49'
			L-2	56.01	S1	6°29'53"E		L-2	69.60	N67°11'4
——10WW—	EXISTING 10-INCH GRAVITY WASTEWATER		L-3	47.71	SO	9°30'43"E		L-3	106.25	N52°07'
	EXISTING & INCLUMATED MAIN		L-4	84.19	S1	6°57'19"E		L-4 L-5	<u> </u>	N13°01'
ovv	EXISTING 8-INCH WATER MAIN		L-5	116.36	S1-	4°25'27"W		L=3 L=6	62.44	N55°48'.
——UGP——	EXISTING UNDERGROUND ELECTRIC		L-6	100.95	SO	2°31'13"W		L-7	43.30	N73°51'
			L-7	76.96	S2.	<u>3°39'57"W</u>		L-8	165.78	N24°36'.
Uт	EXISTING UNDERGROUND TELEPHONE		L-8	62.82		<u>S00°17'27"E</u>		L-9	50.38	S75°23'
			L-9	153.55		<u>3°34'17"W</u>		L-10	60.89	N02*38'
UHP <b>_</b> ≁	EXISTING POWER POLES AND OVERHEAD LINES	[	L-10	<i>212</i> .74	S1.	2°34'22"E		L-11	42.91	N19°47'
	LINEO							L-12	61.72	
sd□	EXISTING STORM DRAINAGE							L - 13	137.02	N63°16'
								L-14 L-15	151.63 18.00	<u>N42°24'</u> S51°19'4
	EXISTING ASPHALT PAVEMENT							L 13	10.00	
	DEMOLITION AREA									
STANDARD	NOTES									

CHORD BEARIN

BEARING

N67°11'46"W

N52°07'34"N

N13°01'57"W

 41.81
 N55\*48'59"W

 62.44
 N13\*22'26"E

 43.30
 N73\*51'14"W

65.78 N24°36'58"W 50.38 S75°23'40"W

0.89 N02°38'52"E

42.91 N19°47'11"W 61.72 S87°01'37"W

151.63N42°24'41"W18.00\$51°19'44"W

2 N6316'46"W

27 S24°49'54"W

10.05 S53°48'21"W

. PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN THE PROJECT SITE, THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL POSSESS ALL APPLICABLE PERMITTING AND THE OWNER AND ENGINEER WILL BE GIVEN AT LEAST TWENTY-FOUR (24) HOURS NOTICE BEFORE BEGINNING WORK.

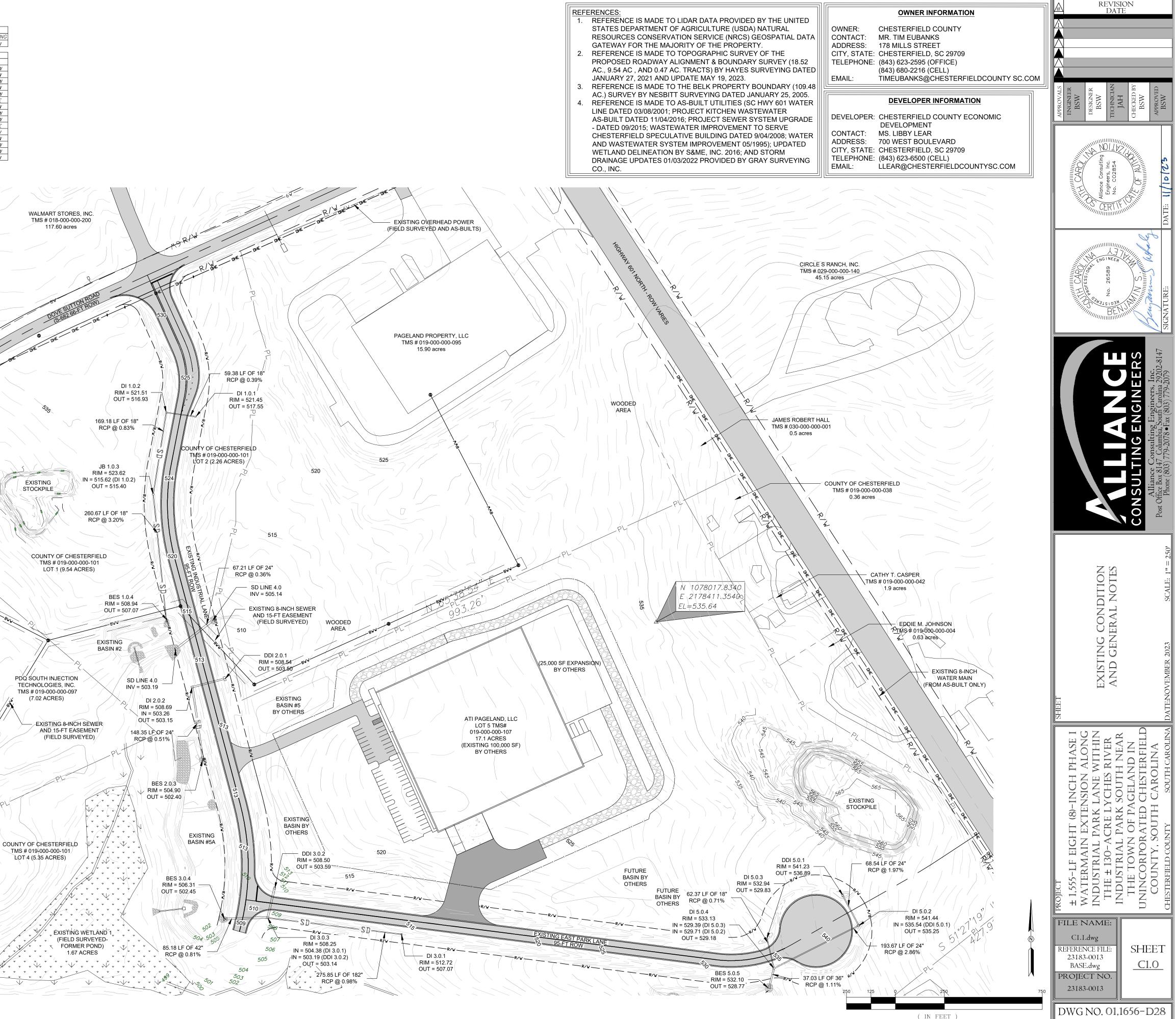
ALL WETLANDS SIGNAGE TO BE INSTALLED PER THE APPROVED CONSTRUCTION DRAWINGS PRIOR TO ANY LAND DISTURBING ACTIVITIES. 2. SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROGENATING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

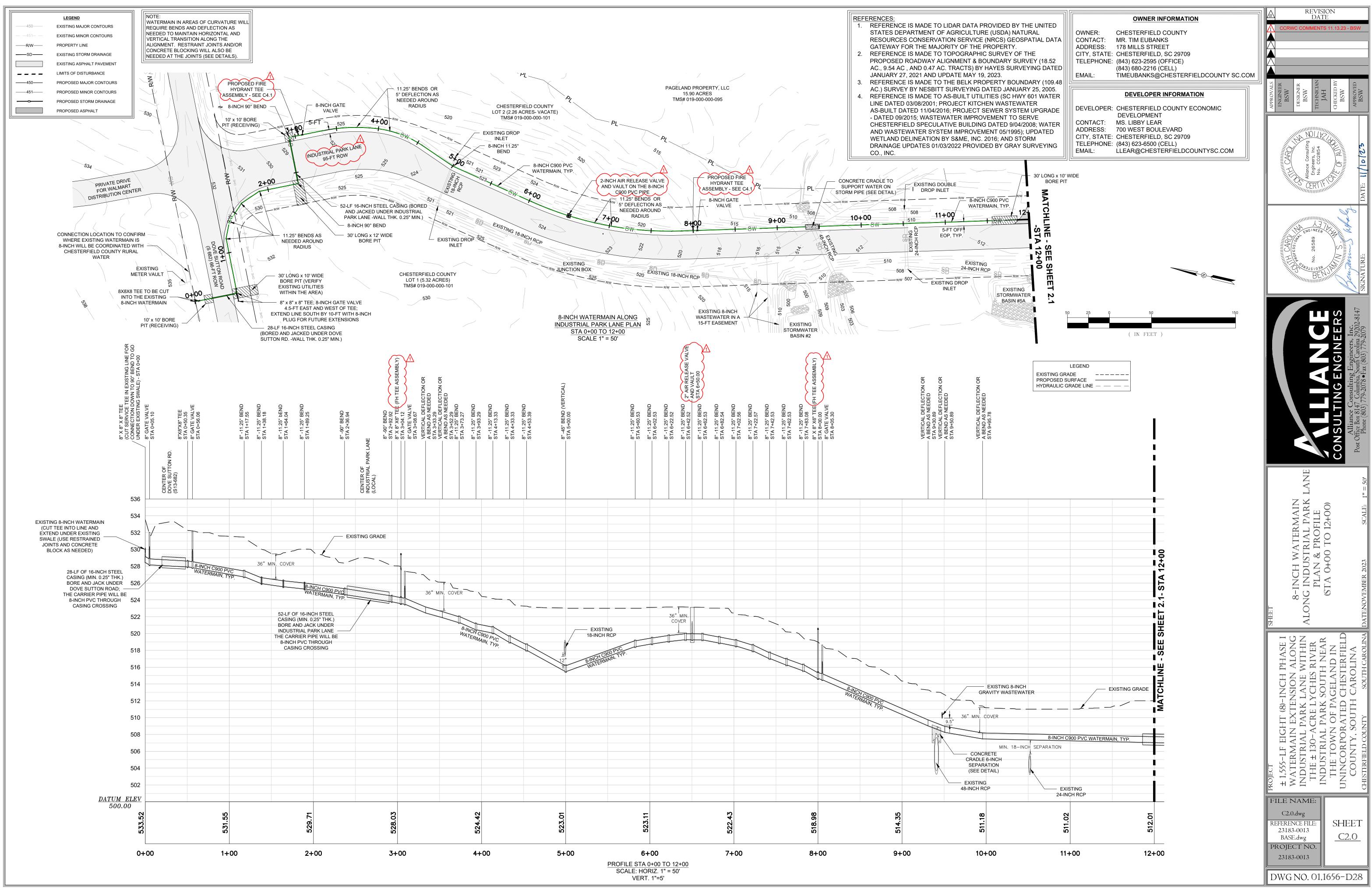
3. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES

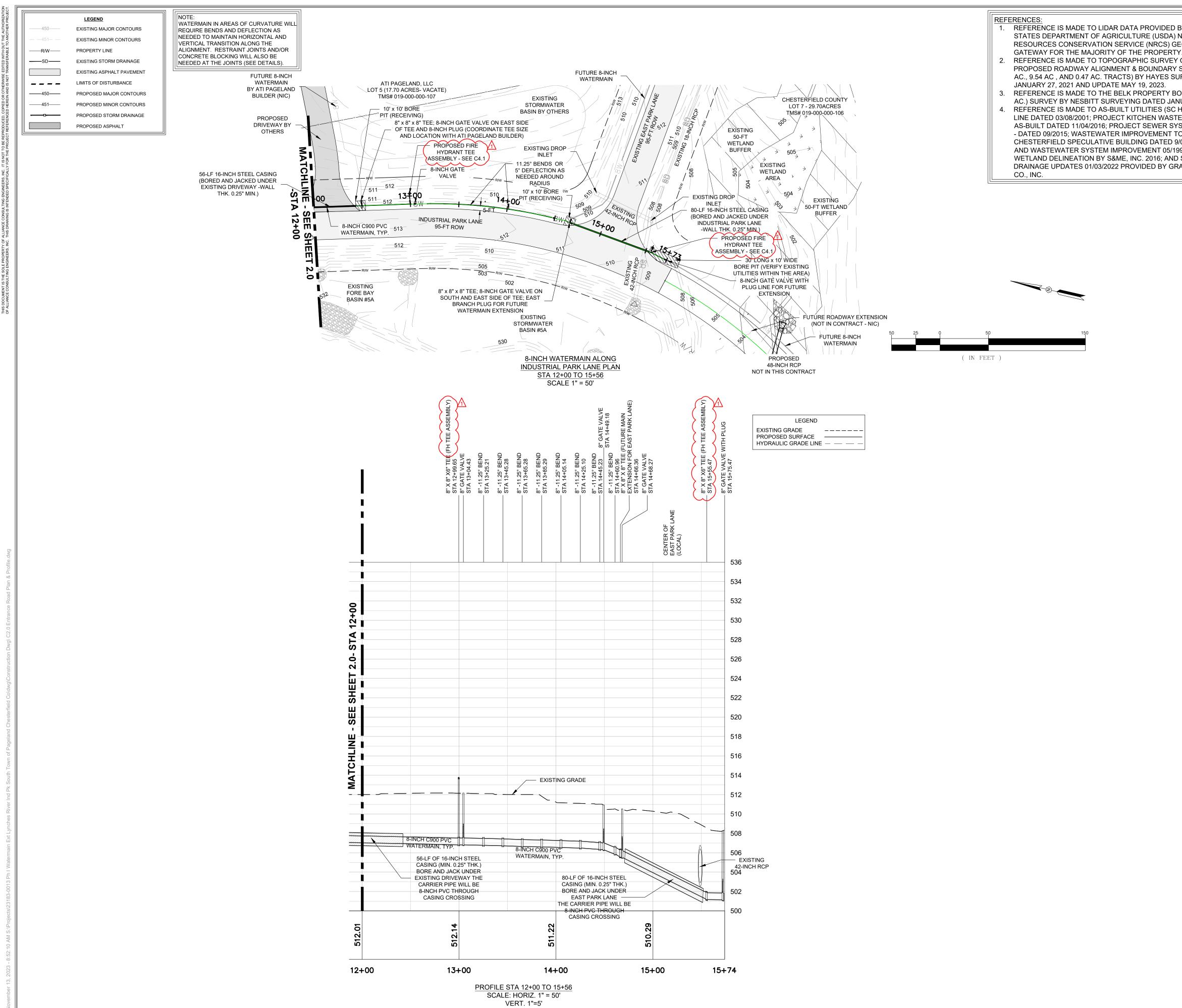
MUST BE INITIATED AS SOON AS PRACTICABLE. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THE PORTION OF THE SITE. 4. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER

- INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED. THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMP'S BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF THE BMP'S.
- 5. 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 SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- 6. 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
- 7. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED. 8. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURES 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 ET SEQ. AND SCR100000. 9. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL 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.
- 10. 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 AREAS AND ALL WOS. A 30-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS. 11.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. 12. A COPY OF THE OS-SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES
- TO THE DATE THE FINAL STABILIZATION IS REACHED. 13.INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE BEEN PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- 14. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL AND REPLACE WITHIN ALL GRASSED AND LANDSCAPED AREAS TO A MINIMUM DEPTH OF 6". IF ADDITIONAL TOPSOIL IS REQUIRED TO MEET THE SPECIFICATIONS, THE CONTRACTOR MUST PROVIDE FROM AN OFF-SITE SOURCE.
- 15. 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 TO PROVIDE EQUIVALENT OR BETTER TREATMEN PRIOR TO DISCHARGE
- 16. 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.)
- 17. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED.
- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL; WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER
- CONSTRUCTION MATERIALS;
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND SOAPS OR SOLVENTS USED IN VEHICLE AND FOUIPMENT WASHING
- 18. 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 THE CONSTRUCTION SITE. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS. AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMP'S BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF THE BMP'S.
- 19. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT 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 AS SOON AS REASONABLY POSSIBLE.
- 20.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 29.5 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE
- 21. AN AS-BUILT SURVEY(S), SIGNED AND SEALED BY A S.C. LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER, SHOULD BE SUBMITTED TO CHESTERFIELD COUNTY FOR DETENTION STRUCTURE(S) ON THIS SITE. THE SURVEY(S) WILL BE PROVIDED BY THE CONTRACTOR TO ALLIANCE CONSULTING ENGINEERS TO SHOW GRADES, CONTOURS, AND DEPTHS FOR ALL STRUCTURE(S) AND SHOULD INCLUDE THE ELEVATIONS AND DIMENSIONS OF ALL OUTLET STRUCTURES, INCLUDING BUT NOT LIMITED TO PIPES, ORIFICES, RISERS, WEIRS, AND EMERGENCY SPILLWAYS.









REFERENCE IS MADE TO LIDAR DATA PROVIDED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) NATURAL RESOURCES CONSERVATION SERVICE (NRCS) GEOSPATIAL DATA

REFERENCE IS MADE TO TOPOGRAPHIC SURVEY OF THE

PROPOSED ROADWAY ALIGNMENT & BOUNDARY SURVEY (18.52 AC., 9.54 AC , AND 0.47 AC. TRACTS) BY HAYES SURVEYING DATED JANUARY 27, 2021 AND UPDATE MAY 19, 2023.

REFERENCE IS MADE TO THE BELK PROPERTY BOUNDARY (109.48 AC.) SURVEY BY NESBITT SURVEYING DATED JANUARY 25, 2005. REFERENCE IS MADE TO AS-BUILT UTILITIES (SC HWY 601 WATER

LINE DATED 03/08/2001; PROJECT KITCHEN WASTEWATER AS-BUILT DATED 11/04/2016; PROJECT SEWER SYSTEM UPGRADE - DATED 09/2015; WASTEWATER IMPROVEMENT TO SERVE CHESTERFIELD SPECULATIVE BUILDING DATED 9/04/2008; WATER AND WASTEWATER SYSTEM IMPROVEMENT 05/1995); UPDATED

WETLAND DELINEATION BY S&ME, INC. 2016; AND STORM DRAINAGE UPDATES 01/03/2022 PROVIDED BY GRAY SURVEYING

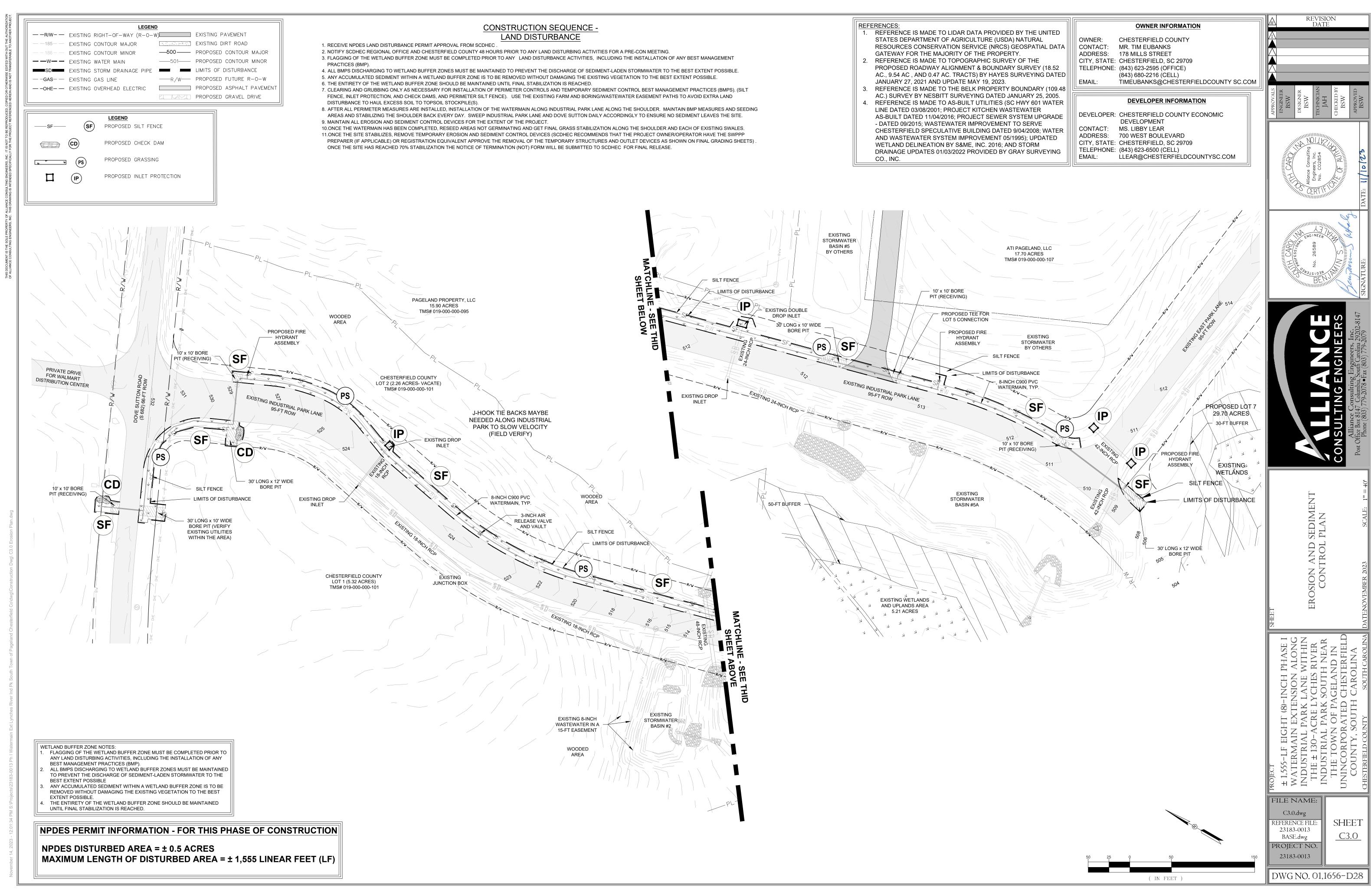
## OWNER INFORMATION OWNER: CHESTERFIELD COUNTY CONTACT: MR. TIM EUBANKS ADDRESS: 178 MILLS STREET CITY, STATE: CHESTERFIELD, SC 29709 TELEPHONE: (843) 623-2595 (OFFICE) (843) 680-2216 (CELL) TIMEUBANKS@CHESTERFIELDCOUNTY SC.COM EMAIL:

# DEVELOPER INFORMATION

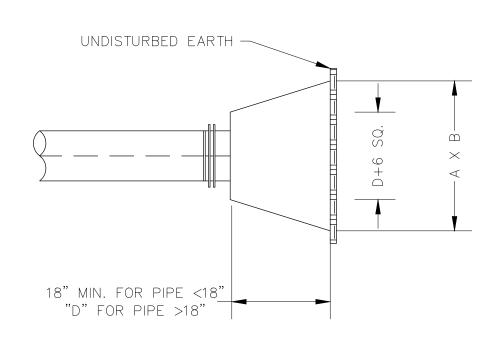
DEVELOPER:	CHESTERFIELD COUNTY ECONOMIC
	DEVELOPMENT
CONTACT:	MS. LIBBY LEAR
ADDRESS:	700 WEST BOULEVARD
CITY, STATE:	CHESTERFIELD, SC 29709
TELEPHONE:	(843) 623-6500 (CELL)
EMAIL:	LLEAR@CHESTERFIELDCOUNTYSC.COM

	CCRW		EVISIC DATE MENTS 7	)N 11.13.23 -	BSW	/
APPROVALS	ENGINEER BSW	DESIGNER BSW	TECHNICIAN JAH	CHECKED BY BSW	APPROVED	Wcd
	A CAPO IIII		gine			DATE: 11/10/2'5
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				CONSULTING ENGINEERS	Alliance Consulting Engineers, Inc. Post Office Box 8147 Columbia, South Carolina 29202-8147	Phone (803) 779-2078 • Fax (803) 779-2079
		ALONG INDUSTRIAL PARK LANE	(STA 12+00 TO 15+56)			R 2023 SCALE: $I'' = 50'$
SHEET		ALONG IN	DL (STA			DATENOVEMBE
	3)-INCH PHASE I	K LANE WITHIN	LYCHES KIVEK K South near	PAGELAND IN D CHESTERFIELD	'H CAROLINA	SOUTH CAROLINA DATE: NOVEMBER 2023
PROJECT	± 1,555-lf EIGHT (8)-INCH PHASE I Waternain fytension along	INDUSTRIAL PARK LANE WITHIN	I HE ± 130-ACKE LYCHES KIVEK INDUSTRIAL PARK SOUTH NEAR	THE TOWN OF PAGELAND IN UNINCORPORATED CHESTERFIELD	COUNTY, SOUTH CAROLINA	CHESTERFIELD COUNTY
FI RI	ILE N C2.0 FFEREN 23183 BASE ROJEC 23183	.dwg ICE FIL -0013 E.dwg CT NG	E:	SHE <u>C</u> 2		-

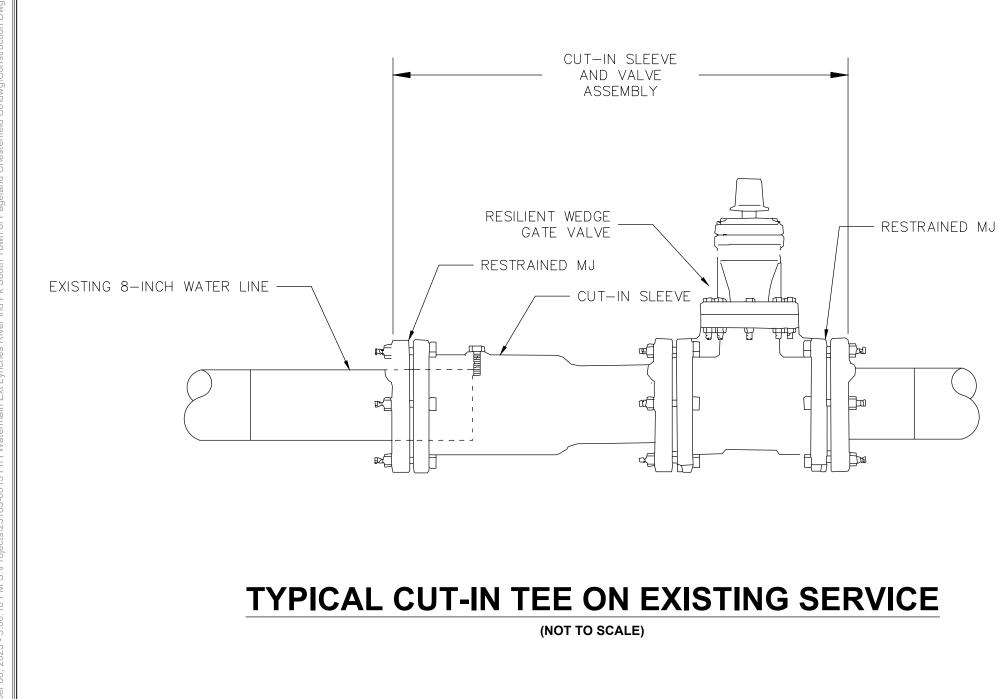
DWG NO. 01,1656-D28

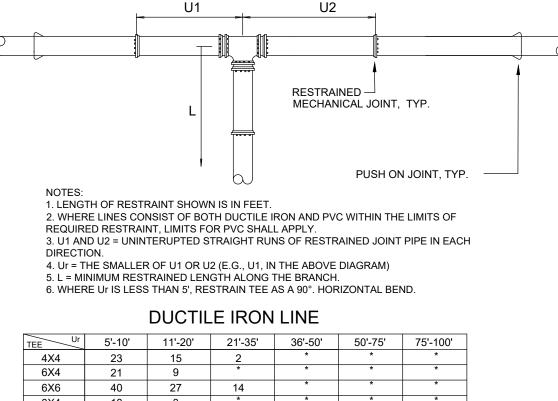


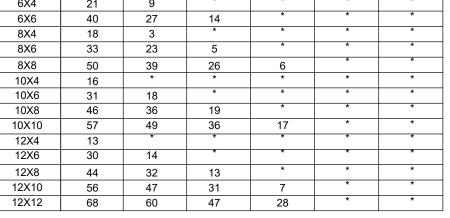
MIN. THRUST BLOC Plugs & dead	<u>ck bearing areas</u> end mains (sf)
SIZE	АХВ
4	0.9
6	2.1
8	3.8
12	8.5
16	15.1
18	19.1
20	23.6
24	33.9
30	53.0
36	76.3
42	103.9
48	135.7
54	171.8



THRUST BLOCK DETAIL PLUG AND DEAD END MAIN (NOT TO SCALE)



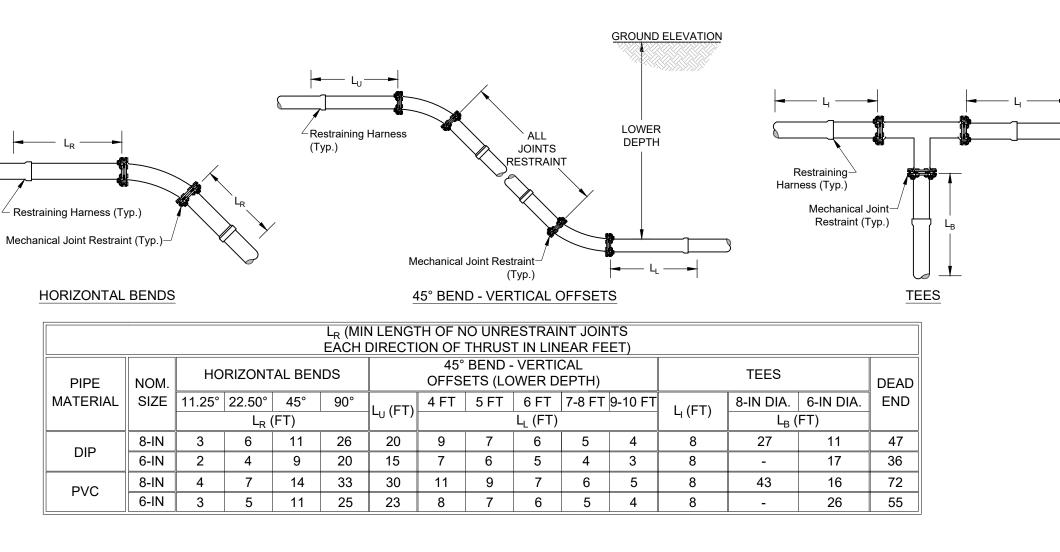








(NTS)



1.	CHART BASED ON SM SOIL, 1.5 SAFETY FACTOR
2.	THRUST RESTRAINT ON DUCTILE IRON PIPE SHA
	MECHANICAL JOINT FITTINGS AND APPURTENAM
	PIPE BELLS.

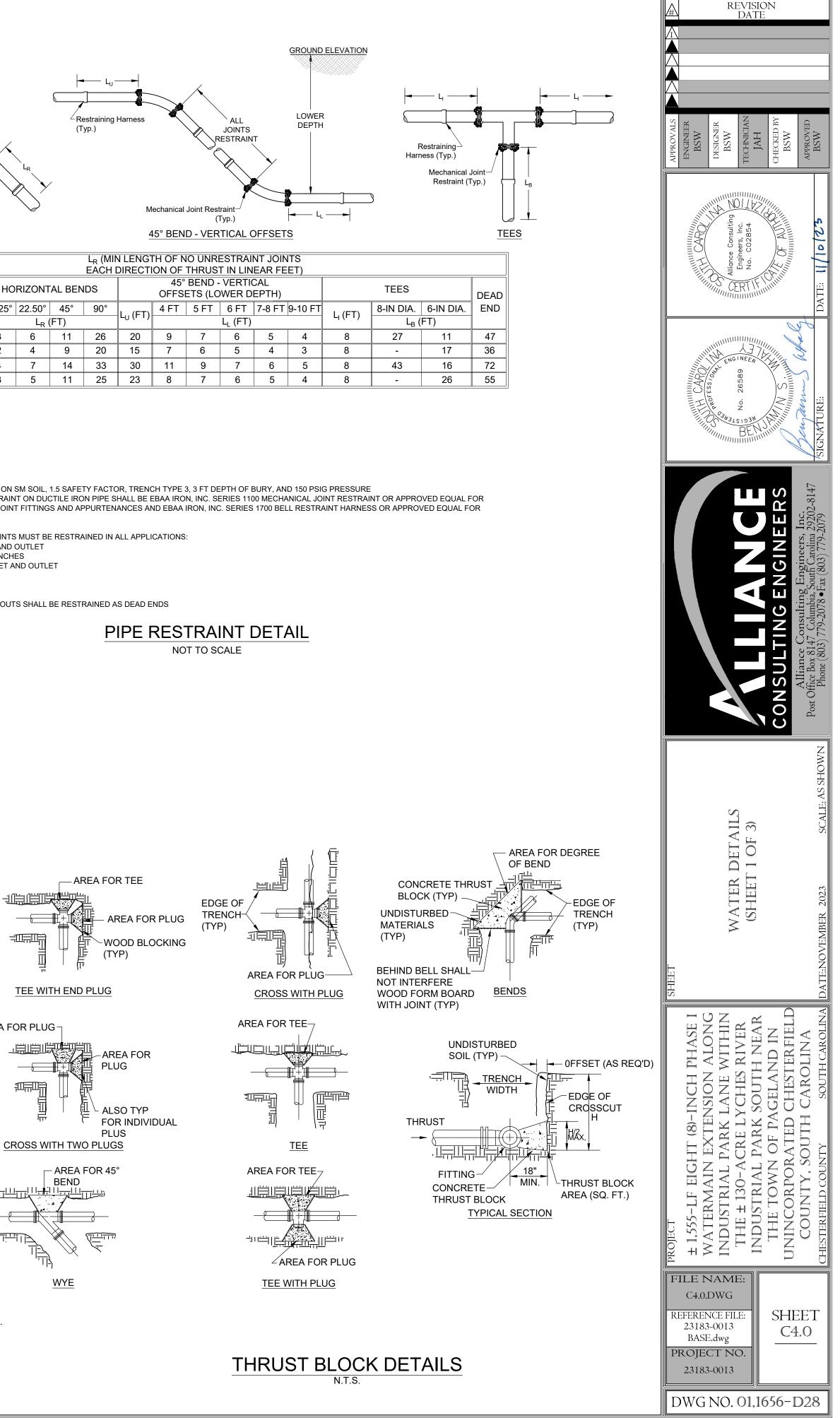
- BEND INLET AND OUTLET
- 2. TEE ALL BRANCHES OFFSETS - INLET AND OUTLET
- CAPS 5. PLUGS
- 6. DEAD ENDS



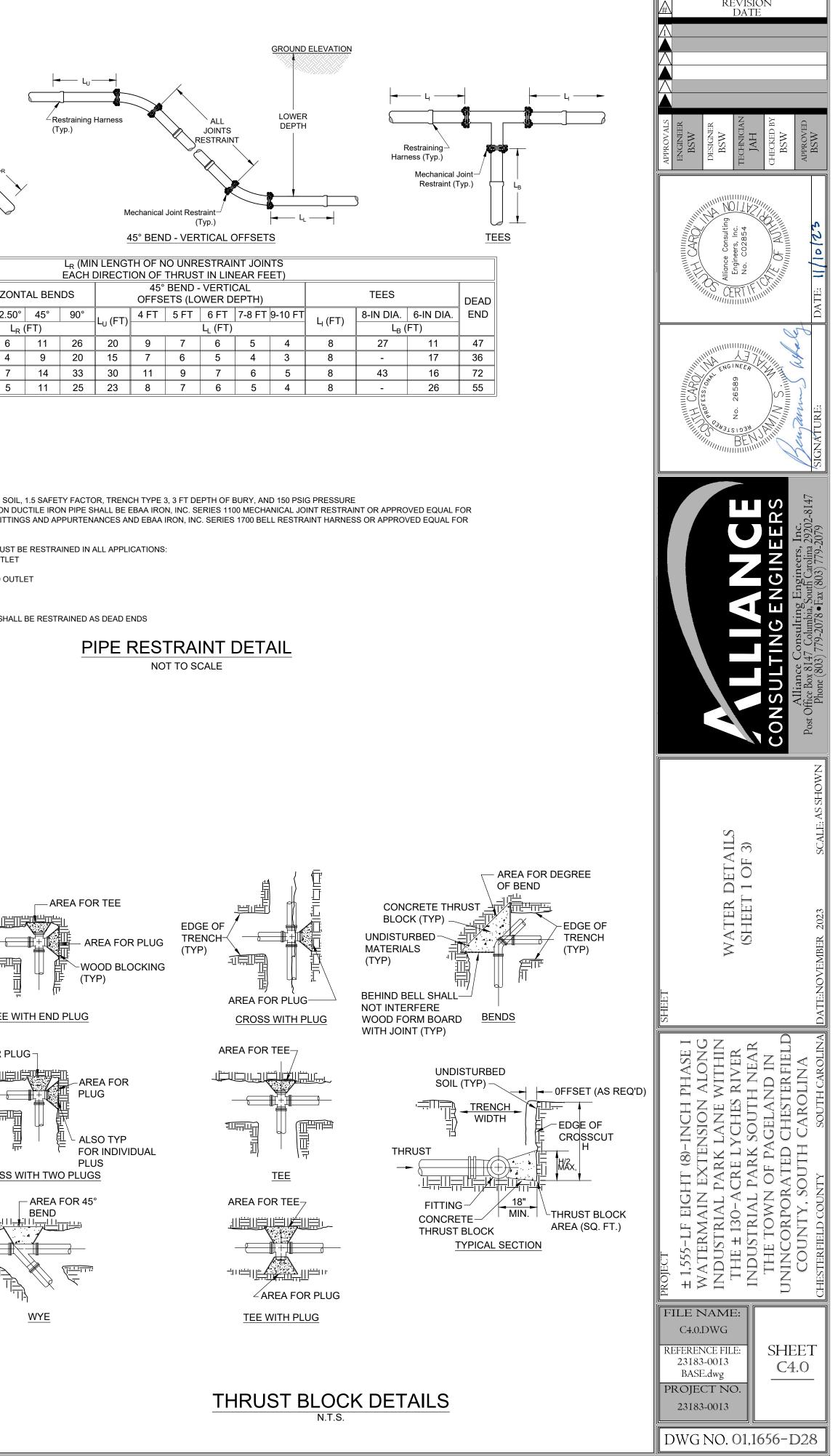
- 1. THRUST BLOCK BEARING AREAS SHALL BE POURED AGAINST UNDISTURBED MATERIALS WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND TO UNDISTURBED MATERIAL.
- 2. EXTEND THRUST BLOCK FULL LENGTH OF FITTINGS. PUT BOARD IN FRONT OF PLUG BEFORE POURING CONCRETE. JOINTS SHALL NOT BE COVERED BY THRUST BLOCK.
- 3. ROUGH BLOCKING FORMS SHALL BE USED ALONG SIDES OF THRUST BLOCK.
- 4. THRUST BLOCKS SHALL BE USED IN COMBINATION, AS REQUIRED, TO SUIT THE SPECIFIC FITTINGS ARRANGEMENT.
- 5. ALTERNATE DESIGN RESTRAINING SYSTEM SHALL BE PROVIDED WHERE STANDARD THRUST BLOCKING IS NOT SUITABLE, AND/OR SOIL BEARING CAPACITY IS LESS THAN 2,000 P.S.F. OR PIPE IS 16 INCHES OR GREATER.
- 6. ALL WOOD BLOCKING SHALL BE PRESSURE TREATED WITH PRESERVATIVES.
- 7. CONCRETE THRUST BLOCKING SHALL HAVE A MIN. COMPRESSION STRENGTH OF 2500 PSI.
- 8. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED MATERIAL AND SHALL NOT COVER JOINTS, BOLTS, OR NUTS OR INTERFERE WITH REMOVAL OF ANY JOINT. WOODEN SIDE FORMS SHALL BE PROVIDED FOR THRUST BLOCKS WHERE TRENCH CONDITIONS REQUIRE.
- 9. THRUST BLOCKS SHALL BE PROPERLY SET AND ADEQUATELY CURED PRIOR TO PRESSURIZING THE PIPE.
- 10. FITTINGS SHALL BE PROTECTED BY POLYETHYLINE FILM, MIN. 8 MIL. THICK, PRIOR TO PLACING CONCRETE THRUST BLOCK.
- 11. FOR BLOCKING SIZE, REFERENCE CHART ON SHEET C9.0.

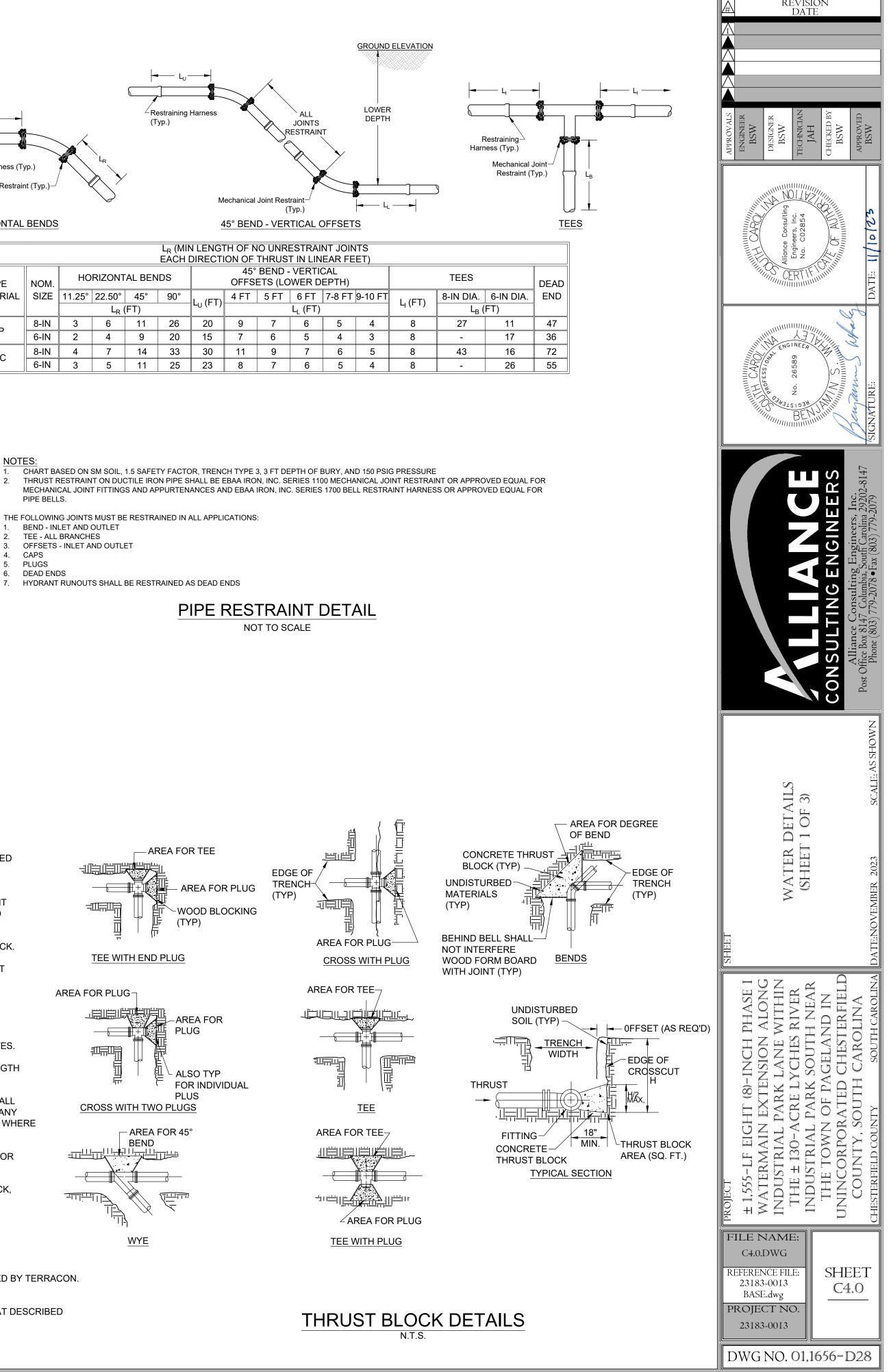
BEARING CAPACITY BASED UPON GEOTECHNICAL EXPLORATION PERFORMED BY TERRACON. ON NOVEMBER 10, 2021.

IF CONTRACTOR ENCOUNTERS SUBSURFACE MATERIAL VARYING FROM THAT DESCRIBED IN THE GEOTECHNICAL REPORT, CONTACT ENGINEER AT (803) 779-2078

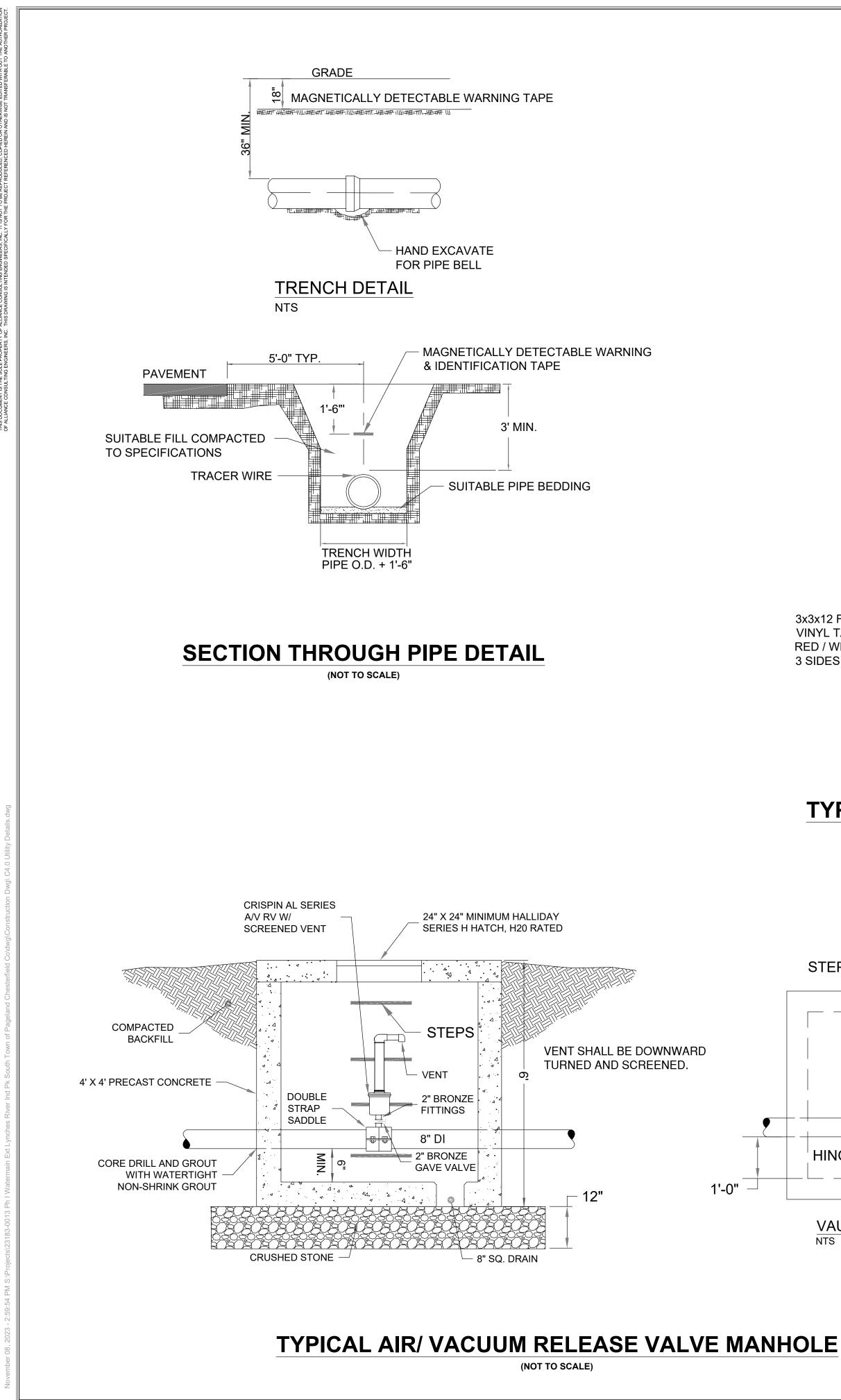




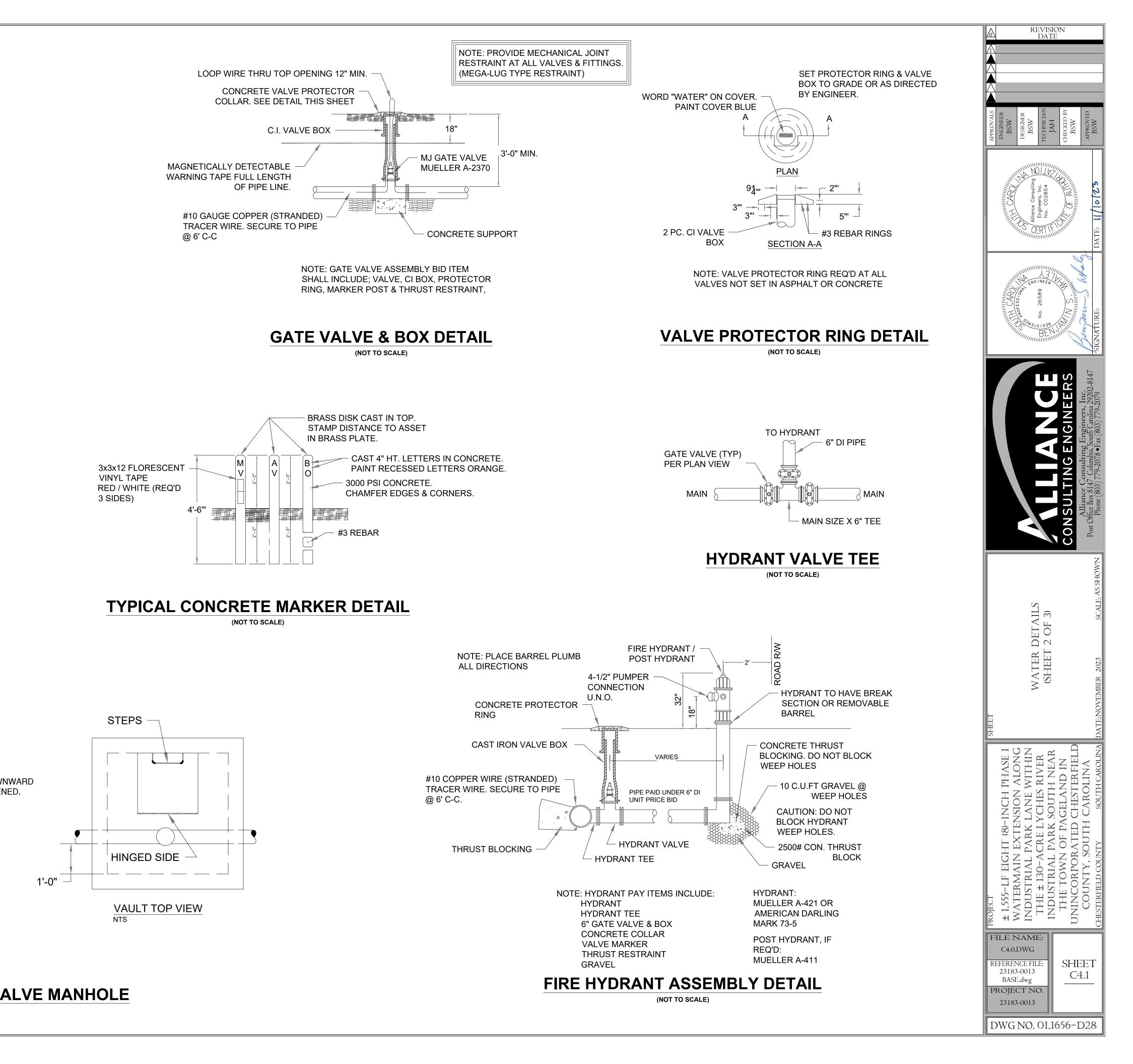


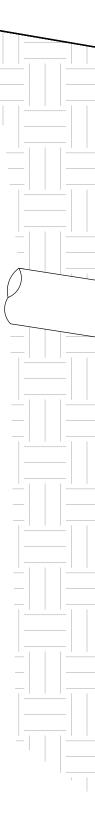


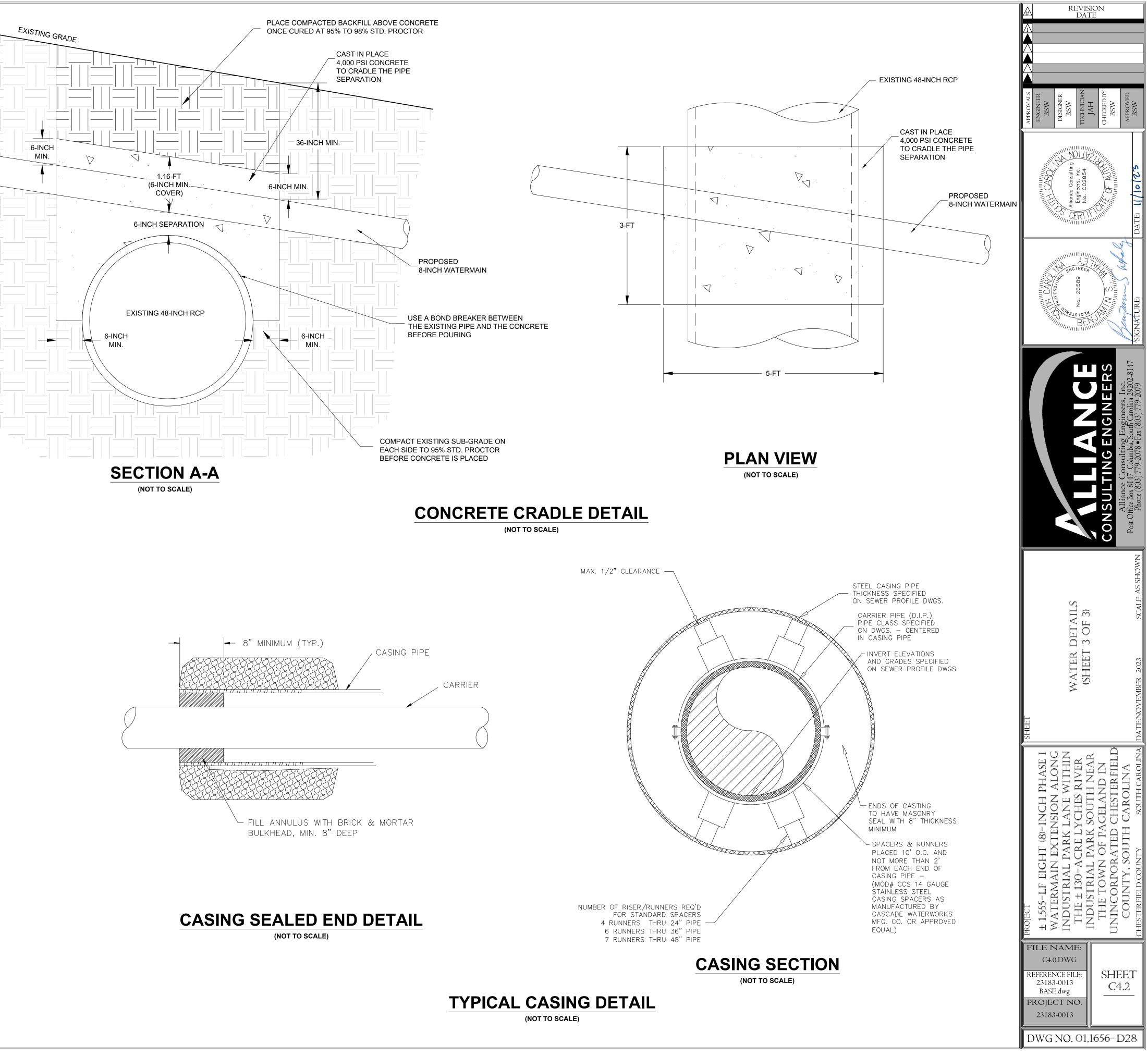


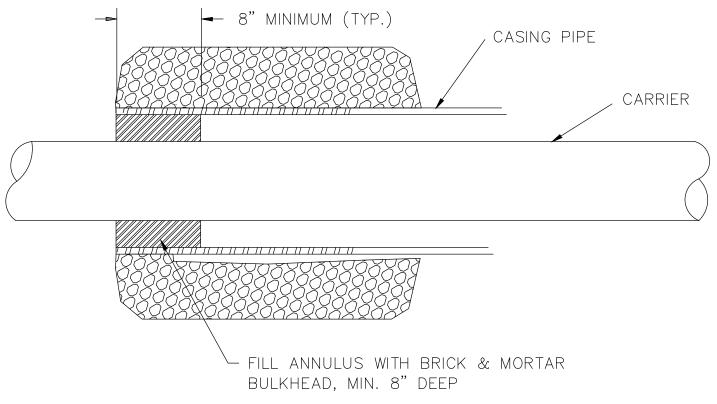


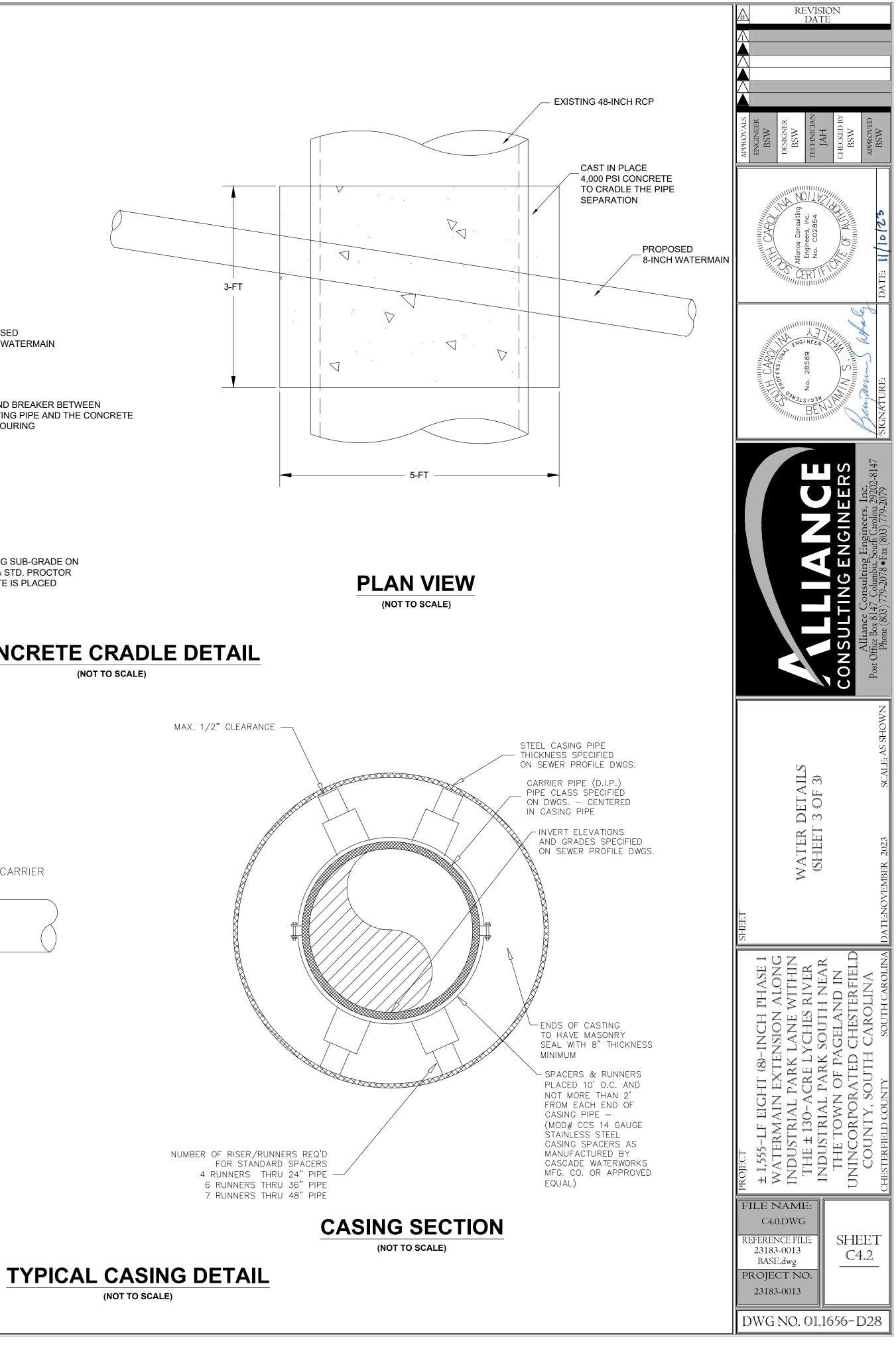
SOUMENT IS THE SOLE PROPERTY OF ALLIANCE CONSULTING ENGINEERS, INC. IT IS NOT TO BE REPRODUCED, COPIED OR OTHERWISE EDITED WITH OUT THE AUTHOR ANDE CONSULTING ENGINEEDES INC. THIS DEMAND IS INTERVIED EDEGREGALI V. ECP THE PODI ECT PEEDERDACED HEDEIN AND IS NOT TRANSCEEDARD E TO AND THE POD



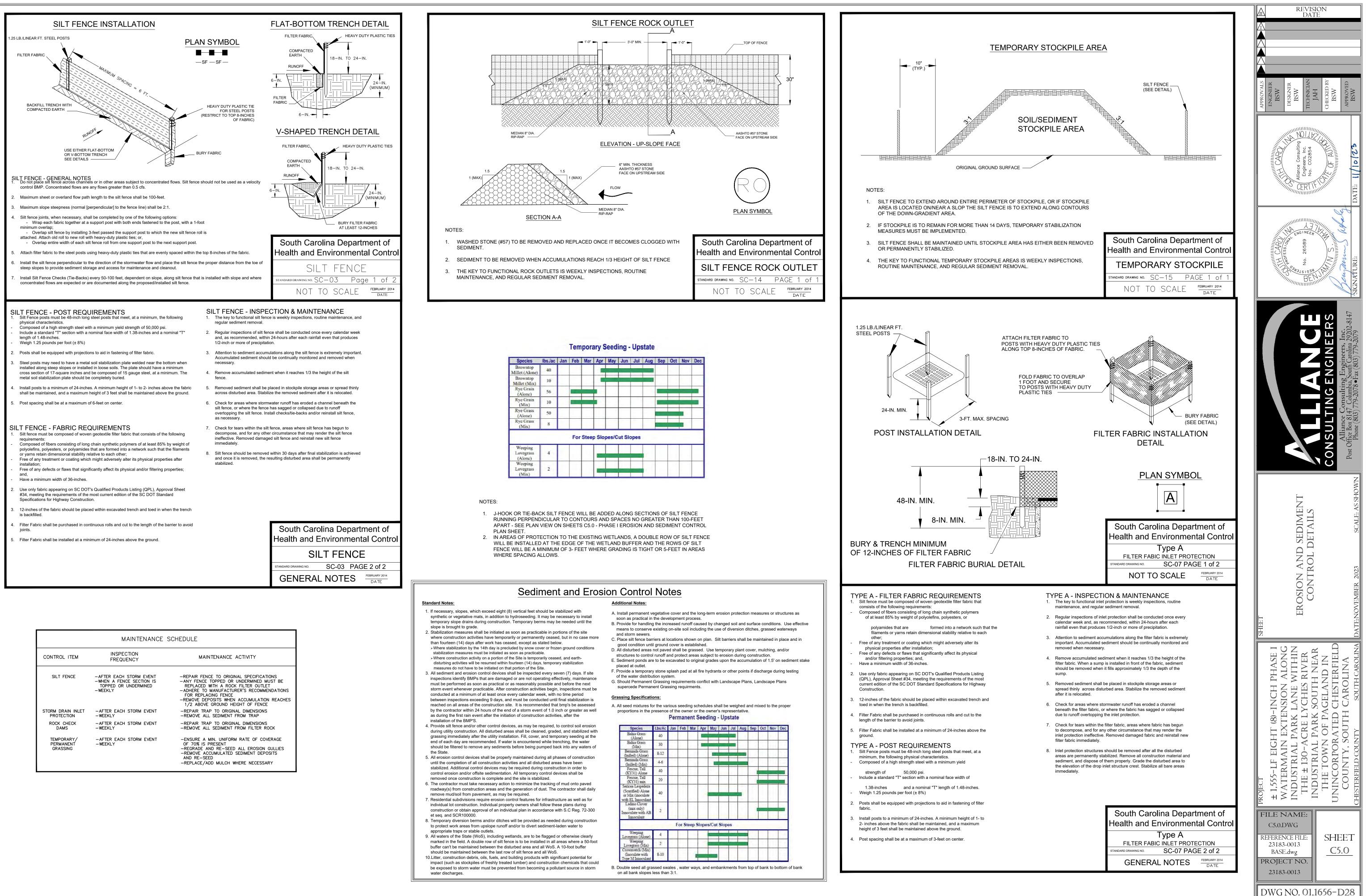












South Car Health and	South Carolina Department of Health and Environmental Control				
SI	ILT FENCE				
STANDARD DRAWING NO.	SC-03 PAGE 2 of 2				
GENERA	L NOTES FEBRUARY 2014 DATE				

MAINTENANCE SCHEDULE						
CONTROL ITEM INSPECTION FREQUENCY		MAINTENANCE ACTIVITY				
SILT FENCE	-AFTER EACH STORM EVENT -WHEN A FENCE SECTION IS TOPPED OR UNDERMINED -WEEKLY	<ul> <li>REPAIR FENCE TO ORIGINAL SPECIFICATIONS</li> <li>ANY FENCE TOPPED OR UNDERMINED MUST BE REPLACED WITH A ROCK FILTER OUTLET</li> <li>ADHERE TO MANUFACTURER'S RECOMMENDATIONS FOR REPLACING FENCE</li> <li>REMOVE DEPOSITS WHEN ACCUMULATION REACHES 1/2 ABOVE GROUND HEIGHT OF FENCE</li> </ul>				
STORM DRAIN INLET PROTECTION	-AFTER EACH STORM EVENT -WEEKLY	-REPAIR TRAP TO ORIGINAL DIMENSIONS -REMOVE ALL SEDIMENT FROM TRAP				
ROCK CHECK DAMS	-AFTER EACH STORM EVENT -WEEKLY	-REPAIR TRAP TO ORIGINAL DIMENSIONS -REMOVE ALL SEDIMENT FROM FILTER ROCK				
TEMPORARY/ PERMANENT GRASSING	-AFTER EACH STORM EVENT -WEEKLY	-ENSURE A MIN. UNIFORM RATE OF COVERAGE OF 70% IS PRESENT -REGRADE AND RE-SEED ALL EROSION GULLIES -REMOVE ACCUMULATED SEDIMENT DEPOSITS AND RE-SEED -REPLACE/ADD MULCH WHERE NECESSARY				