



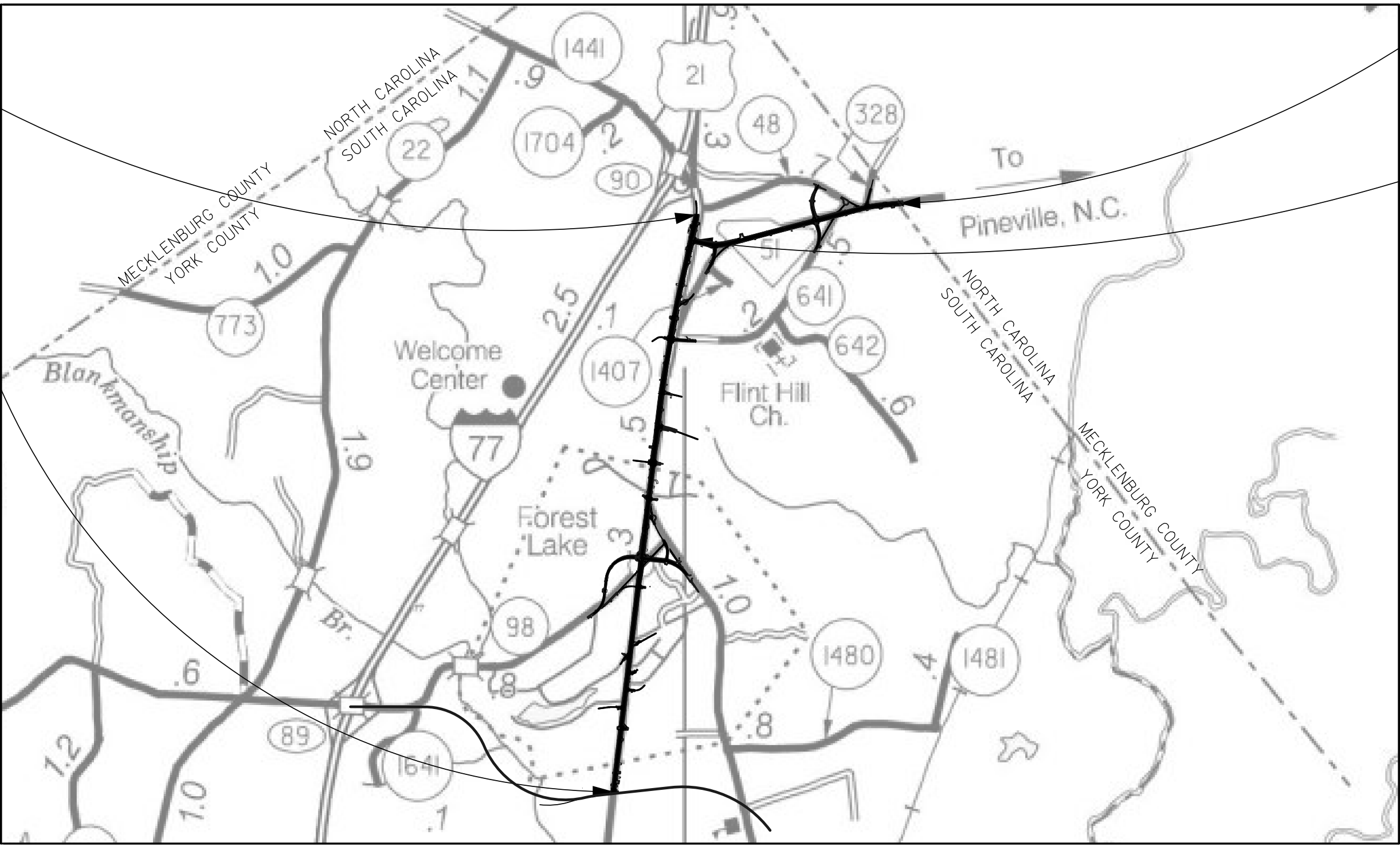
FINAL PLANS		SHEET NO.	TOTAL SHEETS
		UCI	589

PROPOSED PLANS
FOR
YORK COUNTY, SOUTH CAROLINA
US 21 NORTH PHASE 1 & SC 51
YORK COUNTY PROJECT ID # 11149-004
PROJECT ID # 0042332
US 21 FROM SC 460 (SPRINGFIELD PKWY) TO
700' SOUTH OF S-48 (SPRINGHILL FARM RD)
& SC 51 FROM US 21 TO THE NC STATE LINE

WATER AND SEWER
UTILITY
RELOCATION PLANS

*SURVEY STA. 134+33.25 END
PROJECT ID 0042332
US 21*

*SURVEY STA. 14+78.91 BEGIN
PROJECT ID 0042332
US 21*



*SURVEY STA. 340+10.00 END
PROJECT ID 0042332
SC 51*

*SURVEY STA. 296+15.72 BEGIN
PROJECT ID 0042332
SC 51*

LAYOUT
SCALE 1 INCH = 2,300 FEET

SHEET INDEX

COVER
WATER AND SEWER NOTES
TESTING AND INSPECTION NOTES
WATER/SEWER PLAN AND PROFILE

UC-1
UC-2
UC-3
UC-6-27

CONSULTING ENGINEERING FIRM

STV Incorporated
200 CENTRE PONTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29405

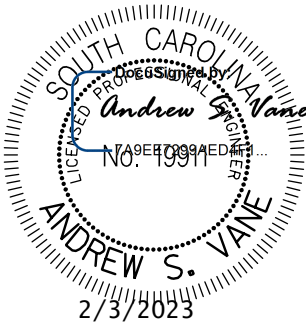
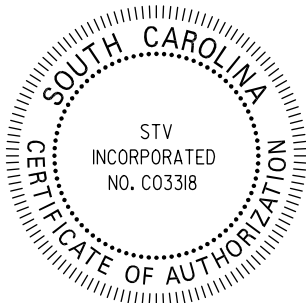
ENGINEER OF RECORD

FOR CONSTRUCTION : STV Incorporated DATE 2/3/2023

FINAL PLANS FOR REVIEW ONLY	FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
	3	S.C.	YORK	0042332	III49-004	US 21	UC-2



STV Incorporated
4969 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418



WATER/SEWER GENERAL NOTES

1. FIRE HYDRANTS SHALL BE YORK COUNTY STANDARD.
2. ALL WATER MAIN VALVES MUST OPEN COUNTERCLOCKWISE IN CONFORMANCE WITH YORK COUNTY STANDARDS.
3. BLOCKING SHALL BE INSTALLED AT ALL BENDS, TEES, VALVES, REDUCERS, BLOW-OFFS, AND HYDRANT LOCATIONS, UNLESS ALTERNATIVES ARE SHOWN ON DETAILS.
4. WATER MAINS LESS THAN 4 INCH IN DIAMETER SHALL BE PVC ASTM D2241 SDR 13.5, CLASS 315. ALL MAINS 4 INCH TO 12 INCH SHALL BE AWWA C-900 PRESSURE CLASS 200 PVC SDR14. FITTINGS LESS THAN 4 INCH SHALL BE SLIP JOINT PVC PER SPECIFICATIONS. PVC PIPING SHALL BE INSTALLED WITH APPROVED COPPER LOCATING WIRE.
5. ASBESTOS CEMENT PIPE SHALL NOT BE USED IN POTABLE WATER SYSTEMS.
6. DIP SHALL BE IN ACCORDANCE WITH AWWA C150/A21.50 & AWWA C151/A21.51
7. NO FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO ANY SEWER SYSTEM.
8. CHAMBERS, PITS OR MANHOLES CONTAINING VALVES, BLOW-OFFS, METERS, AIR RELIEF VALVES OR OTHER SUCH APPURTENANCES TO A POTABLE WATER DISTRIBUTION SYSTEM, SHALL NOT BE CONNECTED DIRECTLY TO ANY STORM DRAIN OR SANITARY SEWER.
9. INSTALLATION OF WATER MAINS AND APPURTENANCES SHALL BE CONDUCTED IN ACCORDANCE SECTION C OF THE AWWA STANDARDS AND/OR MANUFACTURER’S RECOMMENDED INSTALLATION PROCEDURES.
10. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL BURIED PIPE. BACK-FILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. STONES, OTHER THAN CRUSHED BEDDING, SHALL NOT COME INTO CONTACT WITH THE PIPE AND SHALL NOT BE WITHIN SIX (6) INCHES OF THE PIPE.
11. ALL WATER MAINS SHALL MEET THE YORK COUNTY WATER SPECIFICATIONS FOR PIPE WARNING TAPE AND TRACING WIRE. REFER TO YORK COUNTY WATER & SEWER STANDARDS TECHNICAL SPECIFICATIONS SECTION 33 05 05, SECTION 2.2 FOR PROPER INSTALLATION.
12. A "W" MUST BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF WATER METERS.
13. A "V" MUST BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF VALVES.
14. VALVES CANNOT BE LOCATED IN SIDEWALKS, CURBING, DIRVEWAYS, OR ASPHALT AREAS.
15. REFER TO YORK COUNTY STANDARD SPECIFICATIONS AND DETAILS REGARDING SERVICE LINE MATERIAL.
16. ALL SERVICE LINES REQUIRE INDIVIDUAL CONNECTIONS TO THE MAIN. MULTIPLE SERVICE LINES INTERCONNECTING WILL NOT BE ALLOWED.
17. WATER MAINS WHICH HAVE BEEN PREVIOUSLY USED FOR CONVEYING POTABLE WATER MAY BE REUSED PROVIDED THEY MEET APPLICABLE CRITERIA FROM AWWA SECTION C, ANSI/NSF 61 AND ASTM D1785 OR D2241. THE MAINS MUST BE THOROUGHLY CLEANED AND RESTORED PRACTICALLY TO THEIR ORIGINAL CONDITION.
18. THERMOPLASTIC PIPE SHALL NOT BE USED ABOVE GRADE.
19. NATURAL RUBBER OR OTHER MATERIAL WHICH WILL SUPPORT MICROBIOLOGICAL GROWTH MAY NOT BE USED FOR ANY GASKETS, O-RINGS, AND OTHER PRODUECTS USED FOR JOINTING PIPES, SETTING METERS OR VALVES, OR OTHER APPURTENANCES WHICH WILL EXPOSE THE MATERIAL TO THE WATER.
20. LUBRICANTS WHICH WILL SUPPORT MICROBIOLOGICAL GROWTH SHALL NOT BE USED FOR SLIP-ON JOINTS.
21. THE USE OF VEGETABLE SHORTENING TO LUBRICATE JOINTS IS PROHIBITED.
22. THE USE OF SOLVENT-WELD PVC PIPE AND FITTINGS IN WATER MAINS 4 INCHES AND LARGER IS PROHIBITED.
23. AT NO TIME SHALL A POTABLE WATER LINE PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE.
24. AIR RELIEF VALVES SHALL BE PROVIDED IN ACCORDANCE WITH SOUND ENGINEERING PRACTICE AT HIGH POINTS IN WATER MAINS AS REQUIRED. AUTOMATIC AIR RELIEF VALVES SHALL NOT BE USED IN SITUATIONS WHERE FLOODING OF THE INSTALLATION MANHOLE OR CHAMBER MAY OCCUR.
25. BLOW-OFFS SHOULD NOT BE DIRECTED TOWARDS ROADS OR SO THAT THE WATER FROM THE BLOW-OFF FLOWS INTO CREEKS, STREAMS, ETC... DIRECT BLOW-OFFS AT STREAM CROSSINGS AWAY FROM THE STREAM.
26. USE DIP WITH MECHANICAL JOINTS FOR ANY LINES BEING INSTALLED IN ROCK.
27. ANY PIPE, SOLDER, OR FLUX WHICH IS USED IN THE INSTALLATION OR REPAIR OF ANY PUBLIC WATER SYSTEM, USED IN ANY PLUMBING WHICH PROVIDES WATER THROUGH CONNECTION TO A PUBLIC WATER SYSTEM, FOR HUMAN CONSUMPTION, SHALL BE LEAD FREE. LEAD FREE, FOR SOLDER AND FLUX, MEAN THOSE CONTAINING NOT MORE THAN 0.2% LEAD. LEAD FREE, FOR PIPES AND PIPE FITTINGS, AS THOSE CONTAINING NOT MORE THAN 8.0% LEAD. LEADED JOINTS NECESSARY FOR THE REPAIR OF CIP SHALL BE EXEMPT FROM THE ABOVE.
28. THERE SHALL BE NO CONNECTION BETWEEN THE DISTRIBUTIONS SYSTEM AND ANY PIPES, PUMPS, HYDRANTS, OR TANKS WHEREBY UNSAFE WATER OR OTHER CONTAMINATION MATERIALS MAY BE DISCHARGED OR DRAWN INTO THE SYSTEM. NO BY-PASSES SHALL BE ALLOWED, UNLESS THE BYPASS IS ALSO EQUIPPED WITH AN EQUAL, APPROVED BACK-FLOW DEVICE.
29. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLIES SHALL NOT BE INSTALLED IN ANY AREA LOCATION SUBJECT TO POSSIBLE FLOODING.
30. ALL PIPING UP TO THE INLET OF THE BACKFLOW PREVENTION DEVICE MUST BE SUITABLE FOR POTABLE WATER. THE PIPE MUST BE AWWA OR NSF APPROVED. BLACK STEEL PIPE CANNOT BE USED ON THE INLET SIDE OF THE DEVICE.
31. FIRE LINE SPRINKLERS AND DEDICATED FIRE LINES, EXCEPT THOSE IN THE HIGH HAZARD CATEGORY, SHALL BE PROTECTED BY AN APPROVED DOUBLE CHECK VALVE ASSEMBLY.

SEWER LINE GENERAL NOTES

1. SEWER FORCE MAINS LESS THAN 4 INCH IN DIAMETER SHALL BE PVC ASTM-D2241 SDR13.5 CLASS 315, ALL MAINS 4 INCH TO 12 INCH SHALL BE AWWA C-900, PRESSURE CLASS 200 PVC SDR14. FITTINGS 4 INCHES AND LARGER SHALL BE MECHANICAL JOINT CAST IRON. FITTINGS LESS THAN 4 INCH SHALL BE SLIP JOINT PVC PER SPECIFICATIONS. PVC PIPING SHALL BE INSTALLED WITH APPROVED COPPER LOCATING WIRE.
2. SANITARY SEWER MAINS SHALL BE PVC (ASTM D3034-SDR35) WITH STONE BEDDING EXCEPT WHERE DUCTILE IRON PIPE OR LONG SPAN STEEL PIPE IS SHOWN. DUCTILE IRON PIPE SHALL BE BITUMINOUS COATED, CEMENT LINED WITH PUSH-ON JOINTS CONFORMING TO ASA A21.54 PC350. TRANSITIONAL COUPLINGS SHALL BE USED FOR PVC/DI SEWER CONNECTIONS. SEWER SERVICES SHALL BE SCHEDULE 40 PVC. LONG SPAN STEEL PIPE SHALL BE COATED ON BOTH SIDES WITH 4 MILS EPOXY. ANY SEWER LINE PLACED 16 FEET OR GREATER IN DEPTH SHALL BE DUCTILE IRON PIPE.
3. ALL SEWER MANHOLES SHALL BE PRE-CAST CONCRETE WITH INTEGRALLY CAST WATERTIGHT CONNECTIONS.
4. SANITARY SEWER LATERALS SHALL BE 4 INCH DIAMETER EXCEPT AS SPECIFICALLY NOTED.
5. CONTRACTOR SHALL STABILIZE ALL OUT OF STREET GRAVITY SEWER RIGHTS OF WAY WITH GRASS.
6. DIP SHALL BE IN ACCORDANCE WITH AWWA C150/A21.50 & AWWA C151/A21.51.
7. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL BURIED PIPE. BACK-FILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. STONES, OTHER THAN CRUSHED BEDDING, SHALL NOT COME INTO CONTACT WITH THE PIPE AND SHALL NOT BE WITHIN SIX (6) INCHES OF THE PIPE.
8. ALL OFF-SITE SEWER MANHOLES MUST BE A MINIMUM OF TWO (2) FEET ABOVE FINISHED GRADE OR THE 100 YEAR FLOOD PLAIN ELEVATIONS. ALL MANHOLE TOPS ARE TO BE BOLTED DOWN TO THE PRE-CAST HOUSINGS.
9. AN "S" MUST BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF SEWER LATERALS.
10. MANHOLES MUST NOT BE PLACED WITHIN THE WHEEL-PATHS OF ANY ROADWAY TRAVELING LANES.
11. SEWER SERVICE LATERALS CONNECTING TO THE MAINLINE WITHIN 10’ OF A MANHOLE MUST GO DIRECTLY INTO THE MANHOLE.
12. ALL SERVICE LINES REQUIRE INDIVIDUAL CONNECTIONS TO THE MAIN. MULTIPLE SERVICE LINES INTERCONNECTING WILL NOT BE ALLOWED.
13. FORCE MAINS TYING INTO MANHOLES SHALL ENTER THE MANHOLE A VERTICAL DISTANCE OF NOT MORE THAN TWO (2) FEET ABOVE THE FLOW LINE OF THE RECEIVING MANHOLE.
14. SEWER LATERALS BELOW MANHOLE BASE ELEVATION ARE REQUIRED TO HAVE A BACKWATER VALVE.

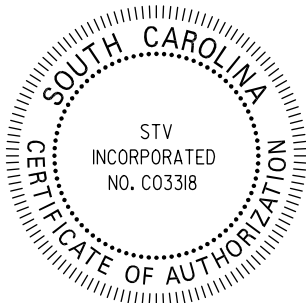
SEWER LINE PUMPING NOTES

1. ALL INTERNAL WETWELL PIPING AND VALVE VAULT PIPING SHALL BE CLASS 52 DIP. ALL FLANGES SHALL BE 125# STANDARD. PUMP SLIDE RAILS SHALL BE STAINLESS STEEL WITH EXPOSED THREADS.
2. CONTRACTOR SHALL INSTALL PUMP DISCHARGE PIPING AND SLIDE RAILS LEVEL AND PLUMB FOR EASE OF PUMP REMOVAL. EACH PUMP SHALL BE REMOVED AND INSTALLED IN THE PRESENCE OFYORK COUNTY TO DEMONSTRATE PERFORMANCE.
3. PUMP DRAW-DOWN TEST SHALL BE CONDUCTED FOR EACH PUMP IN THE PRESENCE OF YORK COUNTY, ENGINEER OF RECORD, AND PUMP MANUFACTURER REPRESENTATIVE. OPERATION OF ALL ELECTRICAL CONTROLS, INCLUDING STAND-BY GENERATOR. SHALL BE DEMONSTRATED IN THE PRESENCE OF YORK COUNTY, ENGINEER OF RECORD, AND PUMP MANUFACTURER REPRESENTATIVE.
4. CONTROL PANEL TO BE EQUIPPED WITH AUDIBLE/VISUAL ALARM WITH SILENCE BUTTON.
5. CONTROL PANEL MUST BE MOUNTED REMOTE FROM WET WELL ON A PEDESTAL PER DETAIL 13.01.
6. LEVEL INDICATORS, POWER, AND CONTROL CABLES TO RUN PANEL THROUGH CONDUIT. CONDUIT MUST BE SEALED TO PREVENT SEWER GASES FROM ENTERING INTO CONTROL PANEL AND CAUSING CORROSION.
7. A PERMANENTLY MOUNTED GENERATOR WILL BE REQUIRED.
8. 3 PHASE PROTECTION WILL BE REQUIRED FOR 3 PHASE SERVICE.
9. CONTROL CIRCUIT TO BE 120 VOLTS.
10. MOTOR STARTERS AND ALTERNATOR TO BE FURNAS BRAND AND PROPERLY SIZED OR APPROVED EQUAL. STARTERS MUST HAVE AMBIENT TEMPERATURE OVERLOADS OR APPROVED EQUAL.
11. ALL WATER AND SEWER FACILITIES INSTALLED SHALL CONFORM TO YORK COUNTY SPECIFICATIONS.
12. PANEL TO BE U.L. APPROVED.
13. PROVIDE LIGHTNING ARRESTOR.
14. WET WELL AND VAULT TOPS AND ACCESS HATCHES SHALL BE HS-20 LOAD RATED PER DETAIL 13.02
15. SCADA TO BE PROVIDED PER YORK COUNTY REQUIREMENTS.
16. THE ELECTRICAL PANEL SHALL BE UNDER A LIGHTED COVER PER YORK COUNTY STANDARD DETAILS 13.13.1 AND 13.13.2.

FINAL PLANS FOR REVIEW ONLY	FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
	3	S.C.	YORK	0042332	III49-004	US 21	UC-3



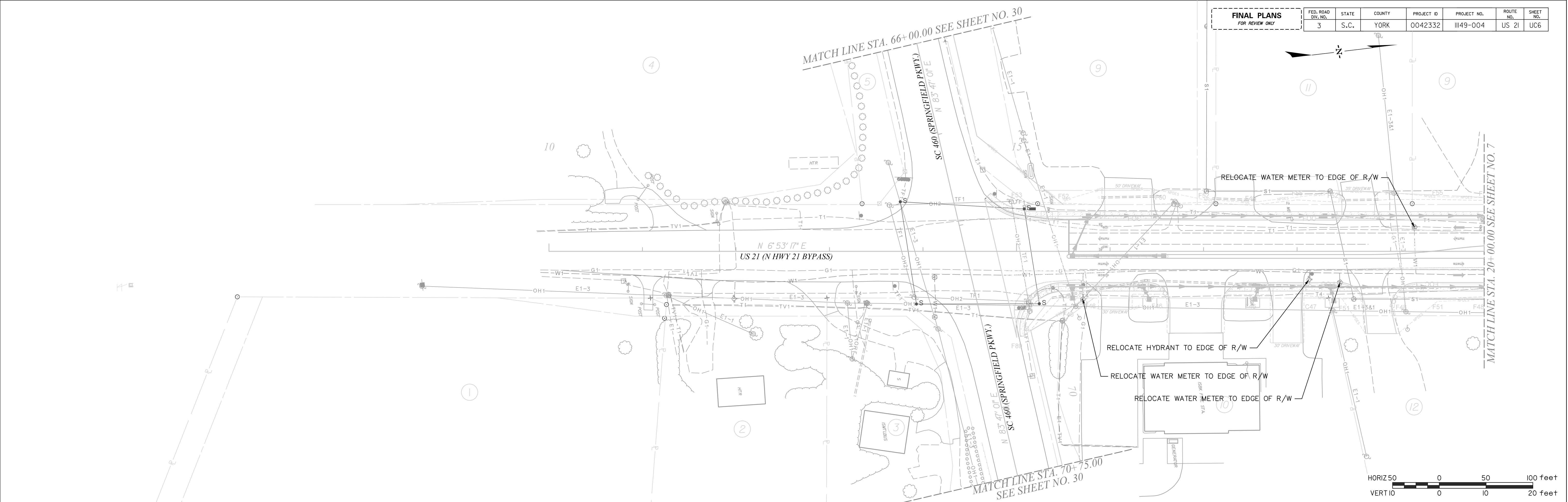
STV Incorporated
4969 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418



TESTING/INSPECTION NOTES

1. NOTIFY THE ENGINEER OF RECORD AND YORK COUNTY AT LEAST 48 HOURS BEFORE STARTING CONSTRUCTION OF SEWER AND WATER FACILITIES. THE ENGINEER SHALL PERIODICALLY INSPECT THE PROGRESS OF INSTALLATION AND SHALL COMPLETE A FINAL WATER AND SEWER INSPECTION. THE ENGINEER OF RECORD AND YORK COUNTY SHALL WITNESS PRESSURE TESTING OF THE WATER SYSTEM, AND AIR AND MANDREL TESTING OF THE SEWER SYSTEM. THE CONTRACTOR SHALL FURNISH, SECURE, AND PROVIDE ALL NECESSARY TESTING MATERIALS, EQUIPMENT, PROCEDURES AND CERTIFIED LABORATORY TEST RESULTS FOR USE WITH ENGINEERS FINAL CERTIFICATION OF COMPLETION.
2. WATER MAINS AND SEWER FORCE MAINS MUST BE HYDROSTATICALLY TESTED PER YORK COUNTY SPECIFICATIONS AND UNDER THE SUPERVISION OF A YORK COUNTY INSPECTOR AND THE ENGINEER OF RECORD.
3. DISINFECT WATER LINES AND PROVIDE ACCEPTABLE BACTERIOLOGICAL TEST FROM A CERTIFIED TESTING LABORATORY FOR USE WITH THE ENGINEERS CERTIFICATION OF COMPLETION. A MINIMUM OF TWO (2) SAMPLES, COLLECTED AT LEAST TWENTY-FOUR (24) HOURS APART, ARE TO BE TAKEN FROM EACH SAMPLING SITE FOR TOTAL COLIFORM ANALYSIS AND TOTAL CHLORINE RESIDUAL. THE NUMBER OF TEST SITES MUST INCLUDE ALL DEAD-END LINES AND SHALL BE COLLECTED A MINIMUM OF EVERY 1,200 LINEAR FEET.
4. SECURE FINAL OPERATIONAL APPROVAL FROM YORK COUNTY AND SCDHEC PRIOR TO ACTIVATION OF THE SYSTEM.
5. TEST SANITARY SEWER LINES FOR DEFLECTION WITH A 5 % MANDREL NOT LESS THAN 30 DAYS AFTER COMPLETION OF BACKFILL. PERFORM LOW PRESSURE AIR TESTING IN ACCORDANCE WITH ASTM C-828 AND C924 ON ALL SEWER MAINS.
6. TRENCH BACKFILL AND COMPACTION TESTING SHALL BE PERFORMED BY A CERTIFIED SOILS LABORATORY UNDER ALL AREAS WITHIN ROAD AND RAILWAY RIGHTS-OF-WAY. BACKFILL MATERIAL FROM THE BOTTOM OF TRENCH TO WITHIN SIX (6) INCHES OF THE SUBGRADE SHALL HAVE A MINIMUM DRY DENSITY OF 95% AS DEFINED BY THE STANDARD PROCTOR TEST. ALL MATERIAL WITHIN THE TOP 6 INCHES OF THE SUBGRADE LEVEL SHALL HAVE AN IN PLACE DENSITY OF 100%
7. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH SEWER AS-BUILTS (LOCATION, ELEVATION, LENGTH, AND SLOPE) PREPARED BY A REGISTERED LAND SURVEYOR AND WATER SERVICE MEASUREMENTS SUITABLE FOR PREPARATION OF FINAL RECORD DRAWINGS.
8. THE ENGINEER SHALL PROVIDE TO YORK COUNTY ENGINEERING A DIGITAL SET OF RECORD DRAWINGS IN AN AUTO-CAD FORMAT THAT IS GEO-RENERCED TO THE SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM AND A DIGITAL SET OF RECORD DRAWINGS IN A PDF FORMAT.

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2/3/2023



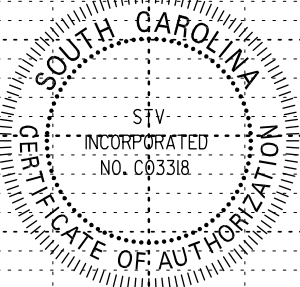
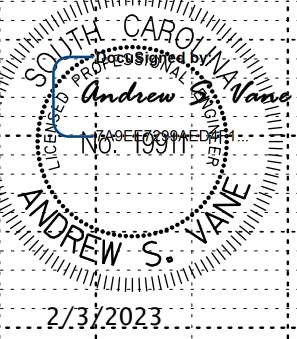
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FOR REVIEW ONLY		3		S.C.	YORK	0042332	III49-004	US 21	UC6

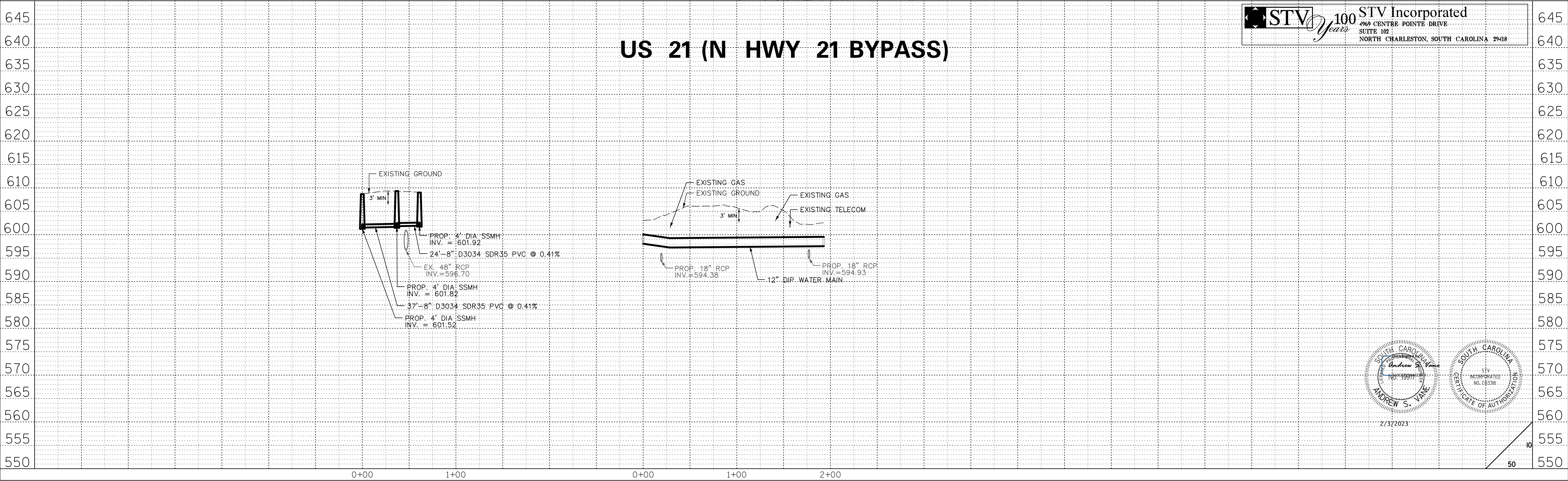
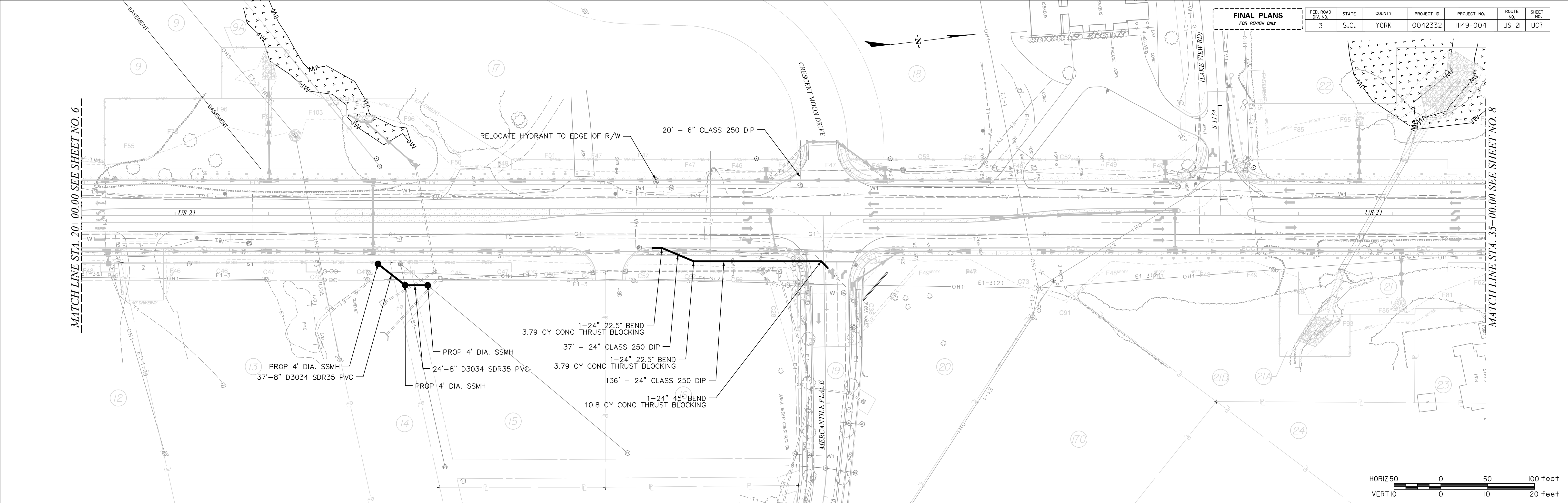


US 21 (N HWY 21 BYPASS)



STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418

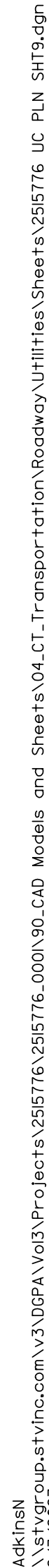
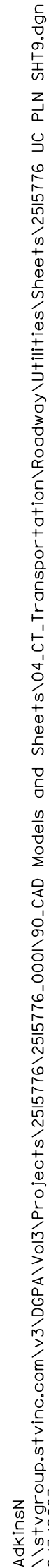




STV 100 Years
STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418

SOUTH CAROLINA
Professional Engineer
Andrew S. Vane
No. 19311
2/3/2023

SOUTH CAROLINA
Professional Engineer
STV Incorporated
No. 08338
2/3/2023



FINAL PLANS FOR REVIEW ONLY	FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
	3	S.C.	YORK	0042332	III49-004	US 21	UCIO

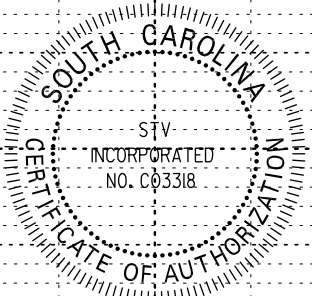
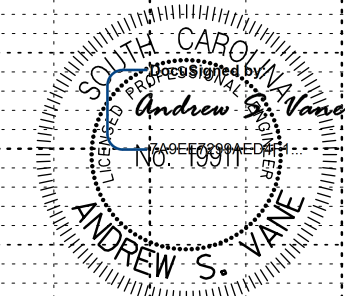
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MATCH LINE STA. 80+00.00 SEE SHEET NO. 11



US 21 (N HWY 21 BYPASS)

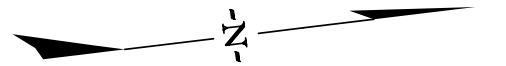
 **STV** *100 Years* **STV Incorporated**
4969 CENTRE POINTE DRIVE
SUITE 102
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2/3/2023

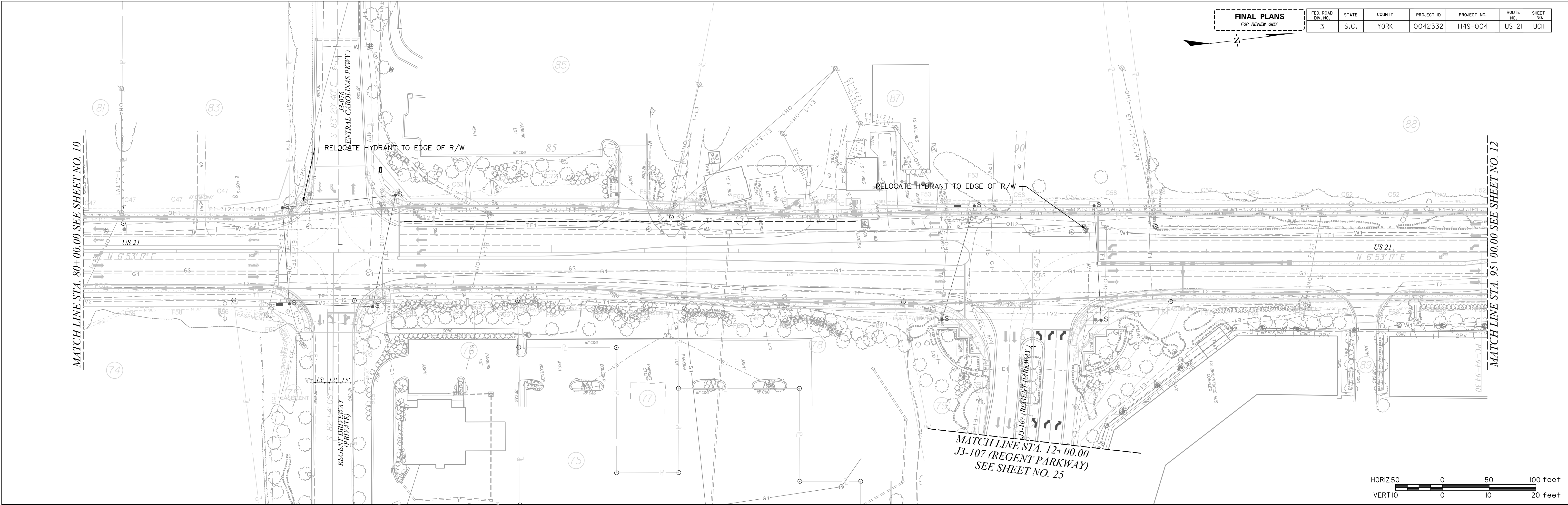
FINAL PLANS
FOR REVIEW ONLY

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
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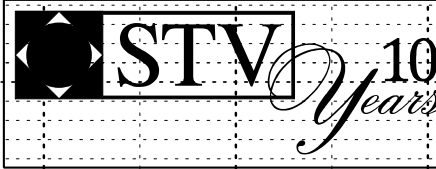


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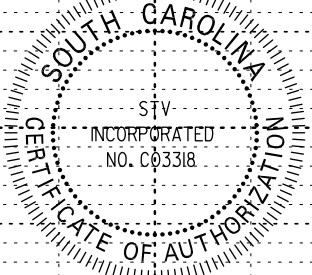
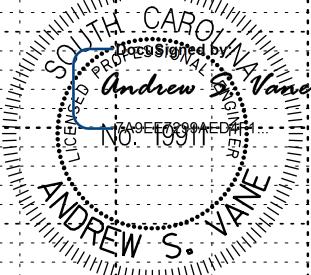
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US 21 (N HWY 21 BYPASS)



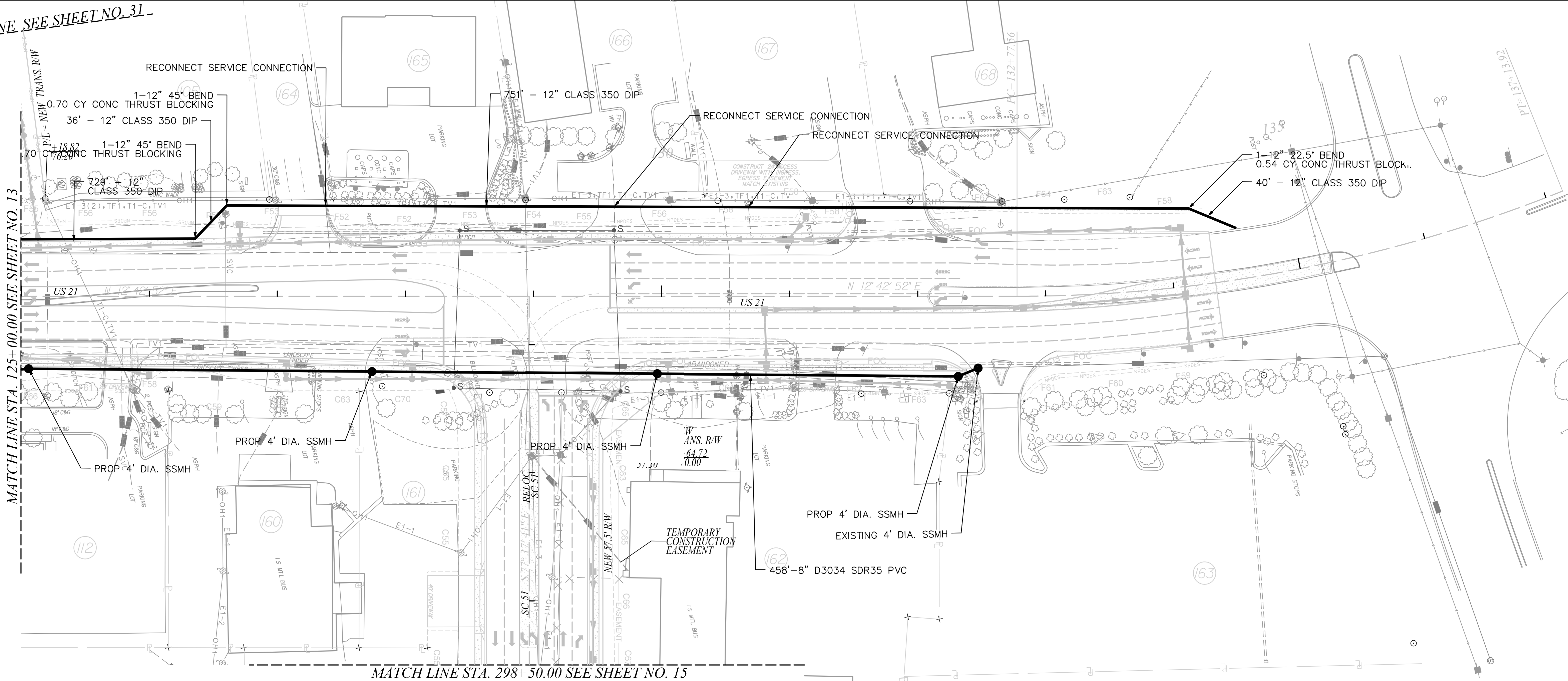
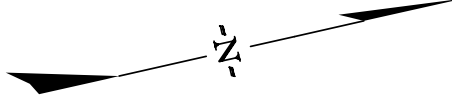
STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 100
NORTH CHARLESTON, SOUTH CAROLINA 29418



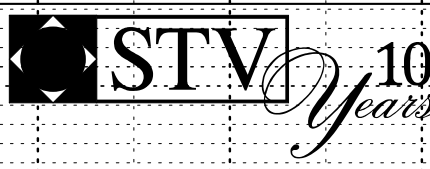
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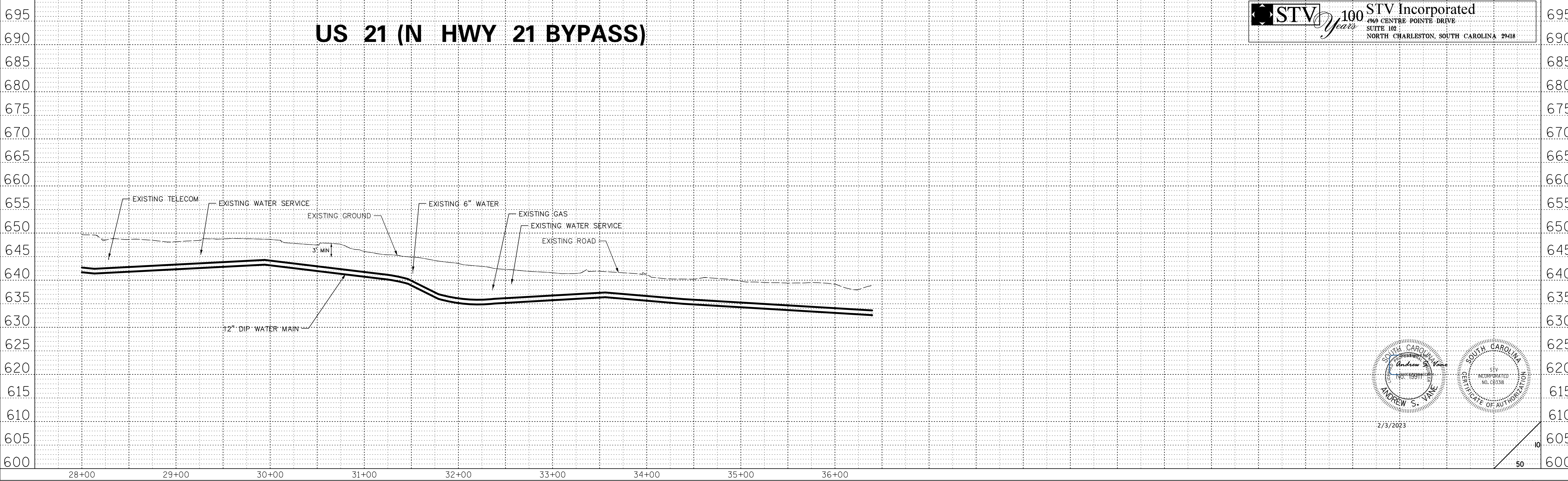
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FOR REVIEW ONLY		3	S.C.	YORK	0042332	III49-004	US 21 SC 51	UC14

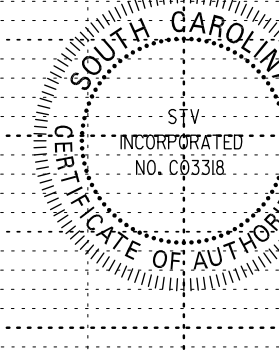
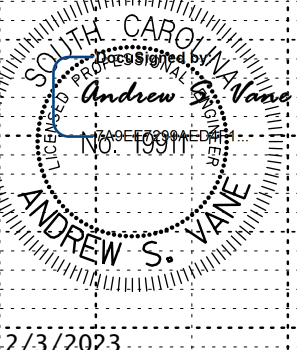


US 21 (N HWY 21 BYPASS)



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460 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418

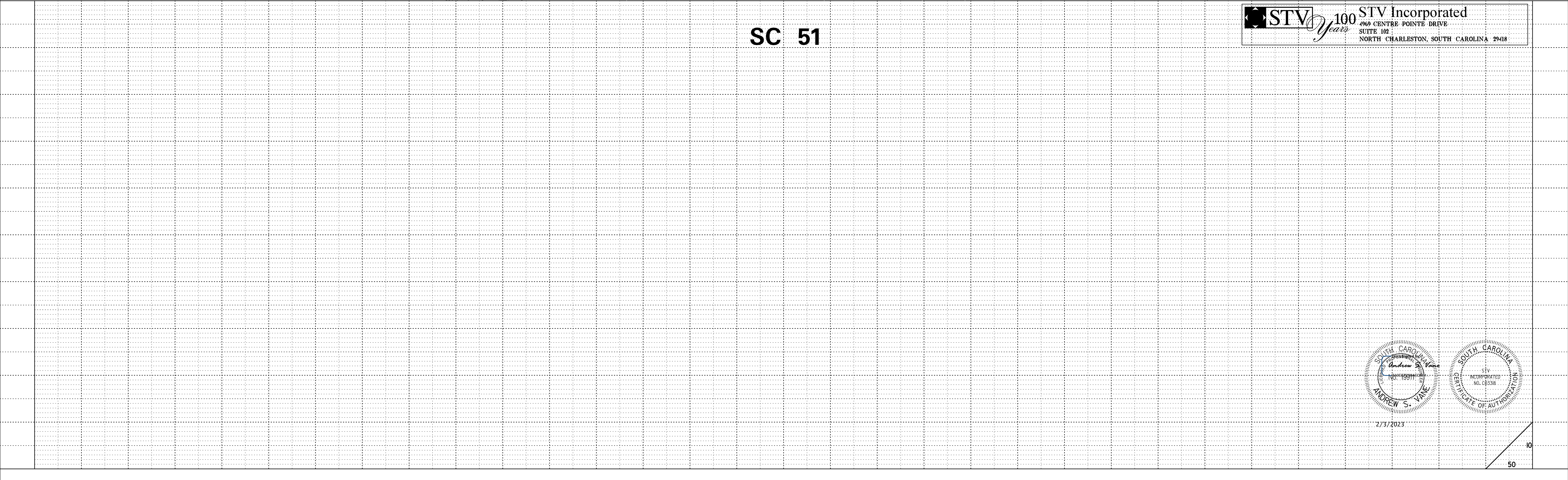




2/3/2023

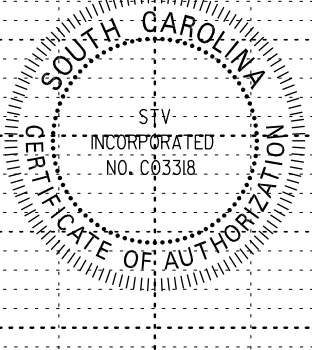
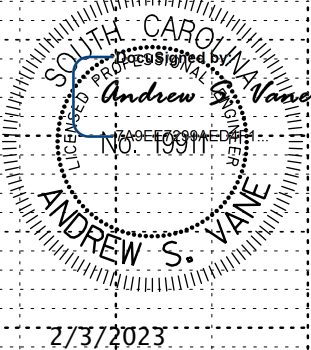


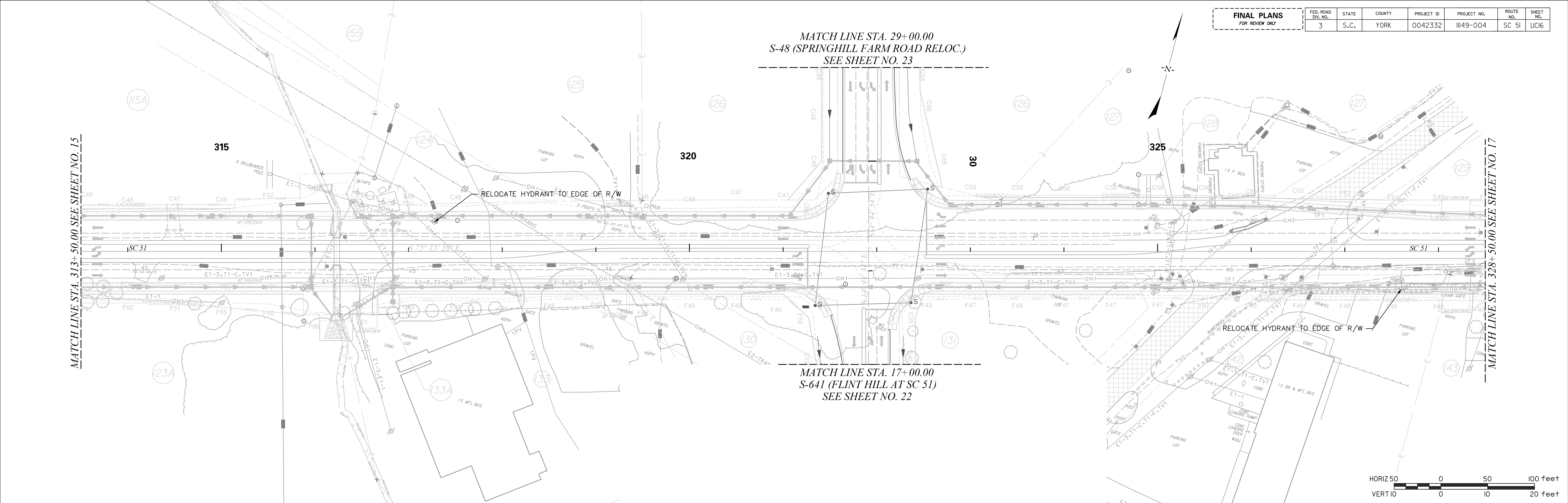
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		3	S.C.	YORK	0042332	III49-004	SC 51	UC15





STV Incorporated
100 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418



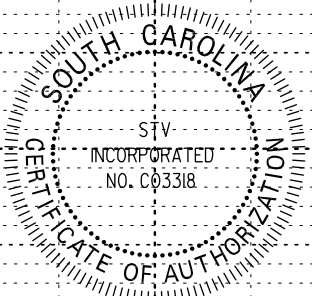
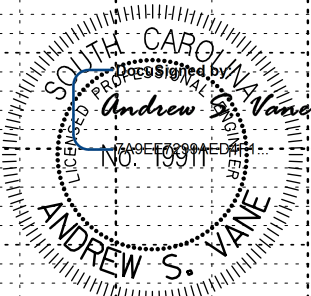


FINAL PLANS		FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
FOR REVIEW ONLY		3	S.C.	YORK	0042332	III49-004	SC 51	UC16



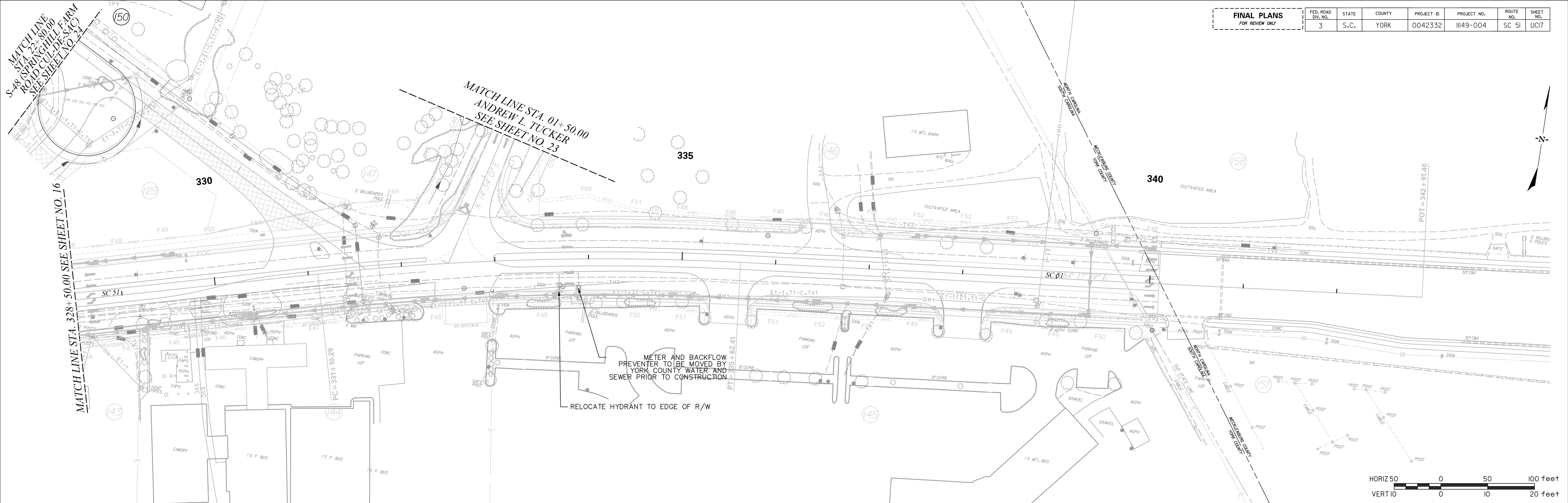
SC 51

STV 100 Years
STV Incorporated
100 CENTRE POINTE DRIVE
SUITE 100
NORTH CHARLESTON, SOUTH CAROLINA 29418



2/3/2023

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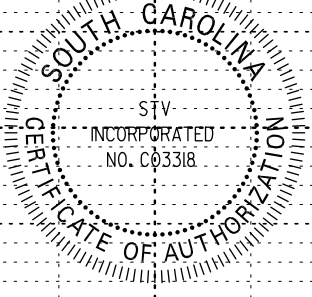
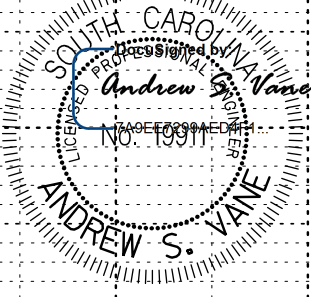
FINAL PLANS		FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
FOR REVIEW ONLY		3	S.C.	YORK	0042332	III49-004	SC 51	UC17



SC 51



STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 100
NORTH CHARLESTON, SOUTH CAROLINA 29418

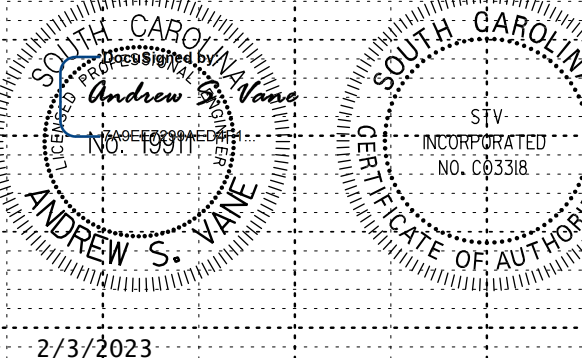


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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	S-1726	UC18




STV Incorporated
 4969 CENTRE POINTE DRIVE
 SUITE 102
 NORTH CHARLESTON, SOUTH CAROLINA 29418





FINAL PLANS
FOR REVIEW ONLY

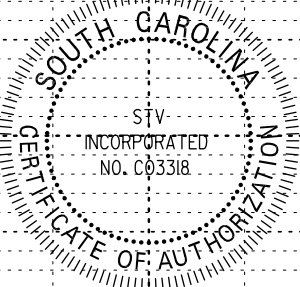
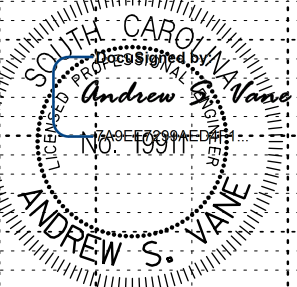
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3	S.C.	YORK	0042332	III49-004	S-1726	UC19



S-1726 (GOLD HILL RD.)

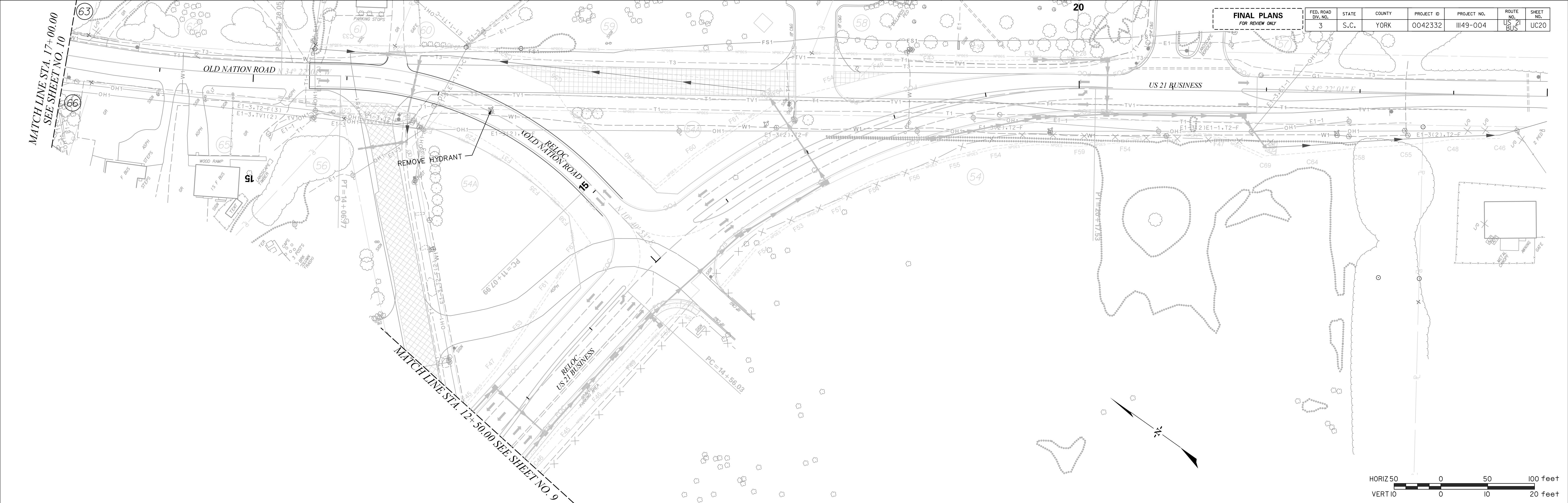


STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418



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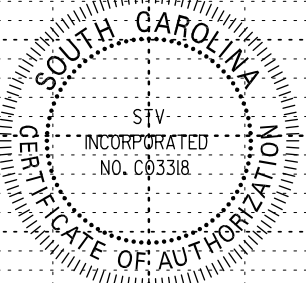
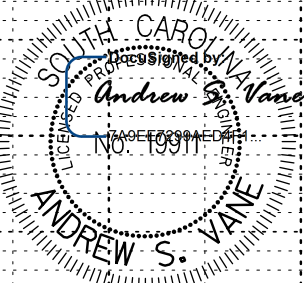
FINAL PLANS
FOR REVIEW ONLY

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
3	S.C.	YORK	0042332	III49-004	US 21 BUS	UC20

US 21 BUSINESS /OLD NATION RD.

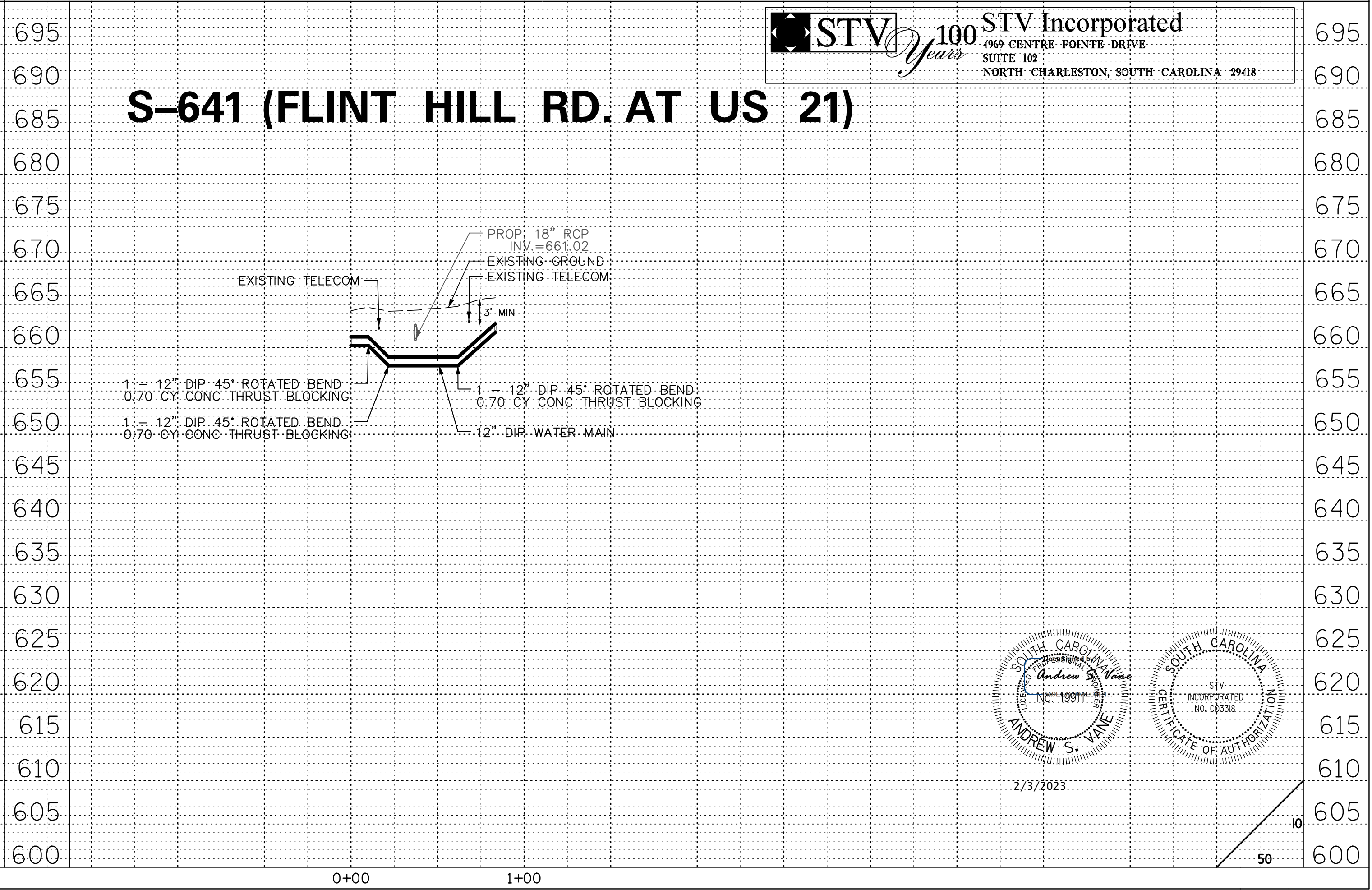
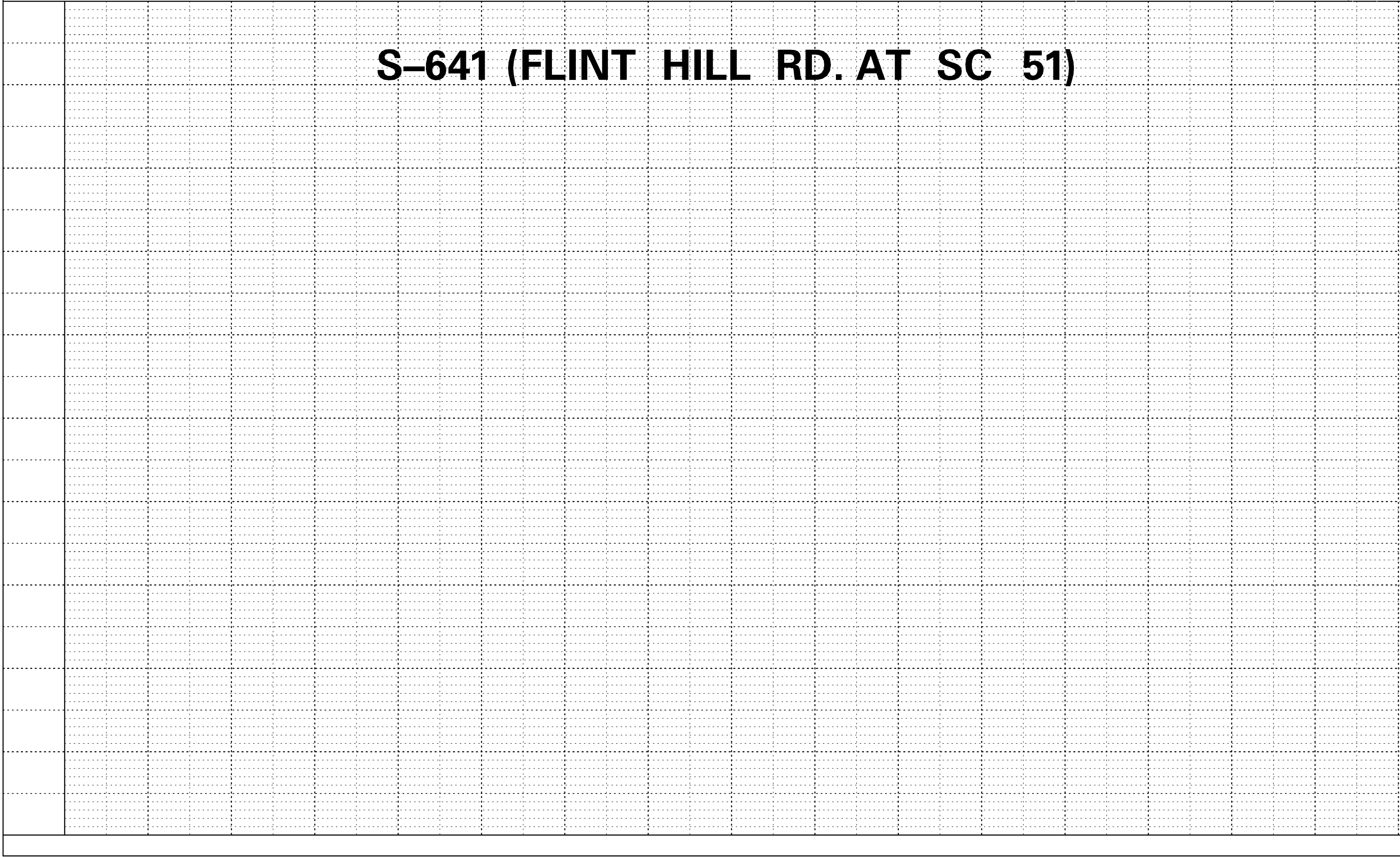


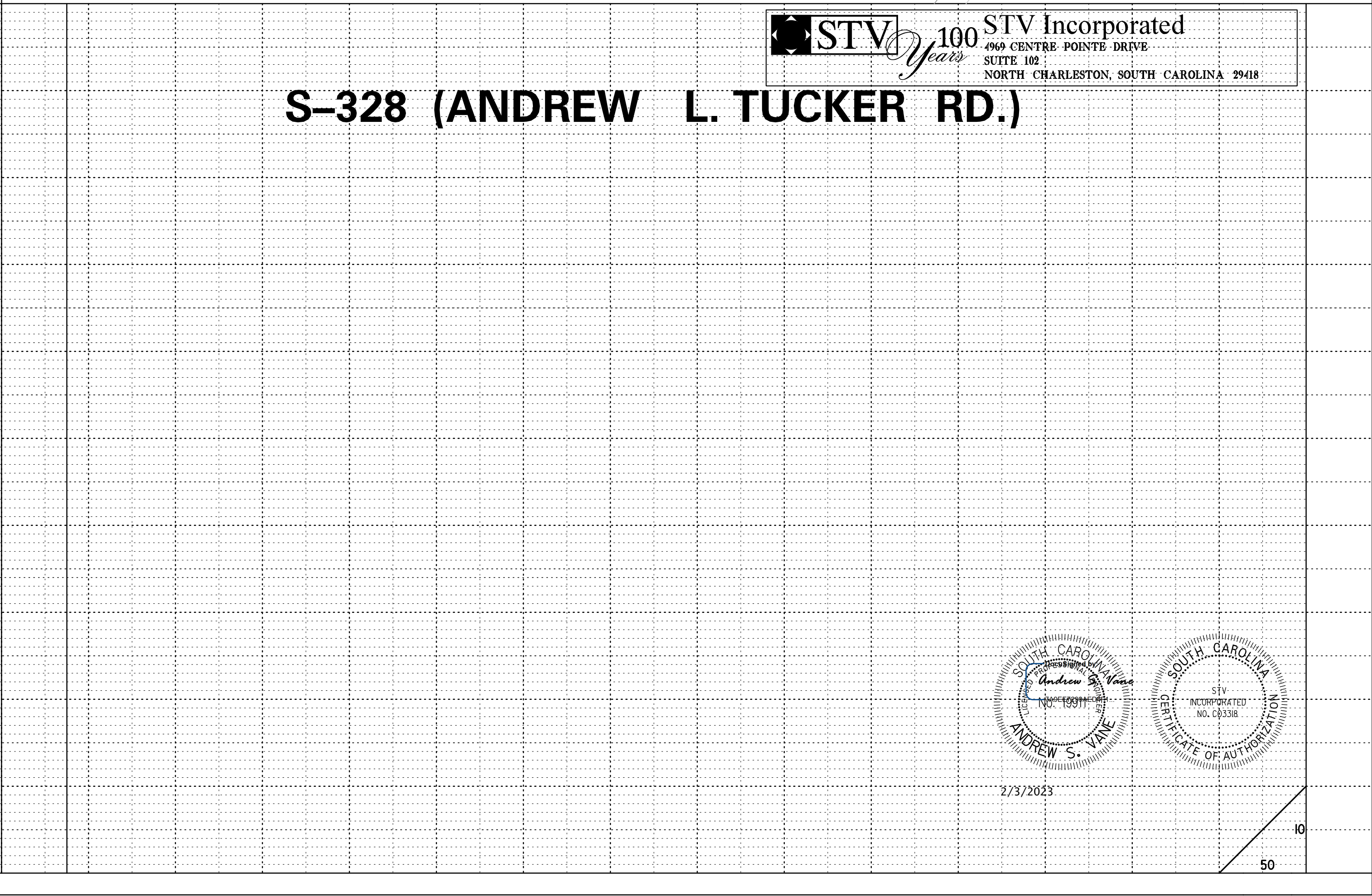
STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418



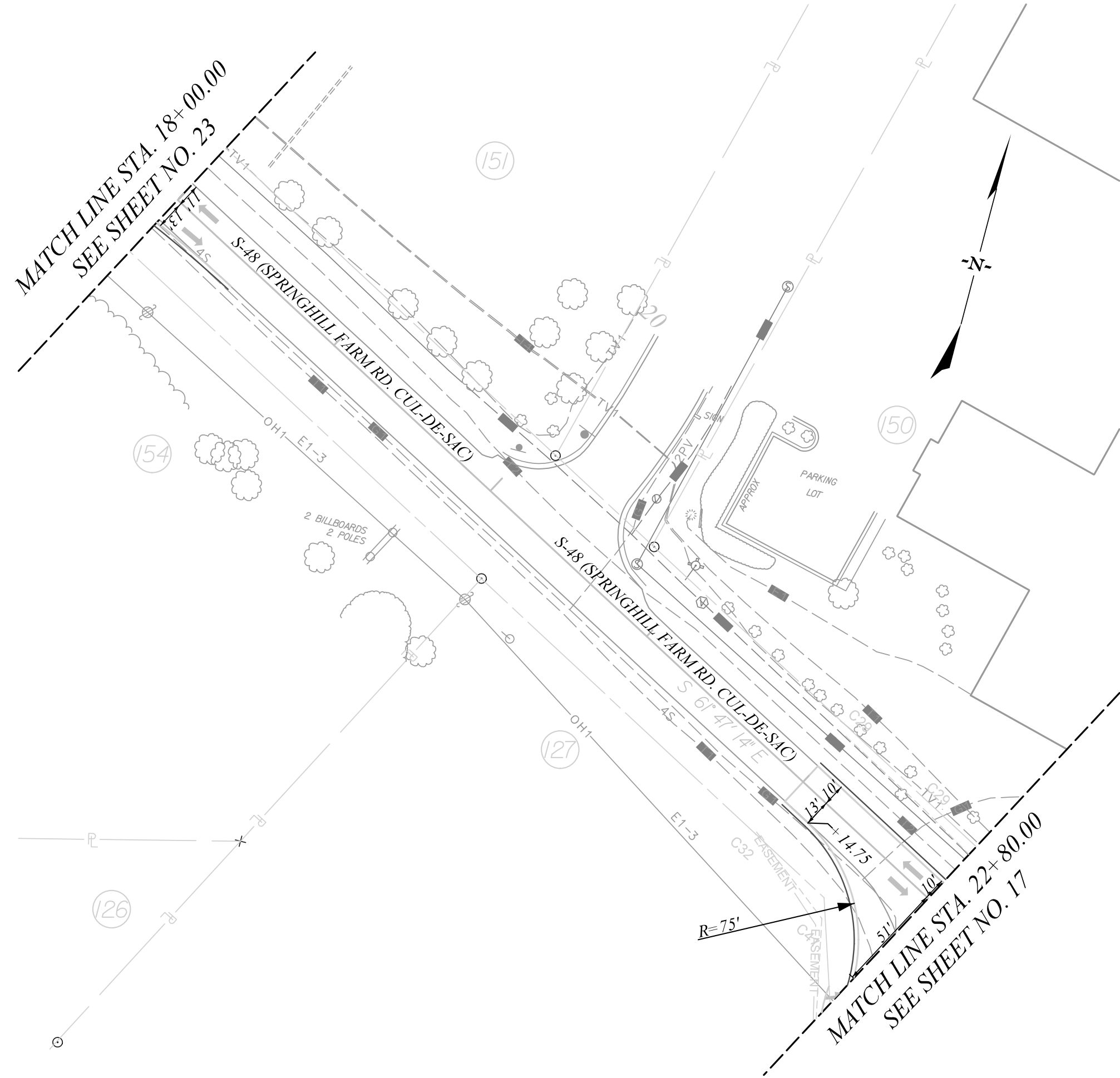
2/3/2023







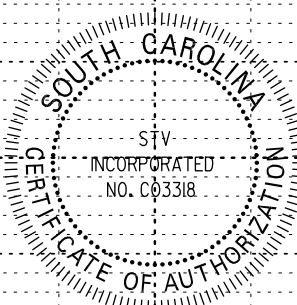
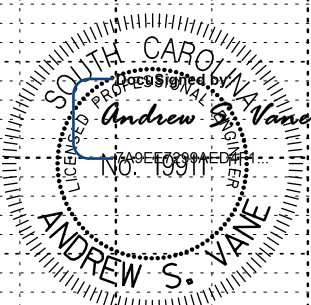
FINAL PLANS FOR REVIEW ONLY	FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
	3	S.C.	YORK	0042332	III49-004	S-48	UC24



S-48 (SPRINGHILL FARM RD. CUL-DE-SAC)



STV Incorporated
460 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418



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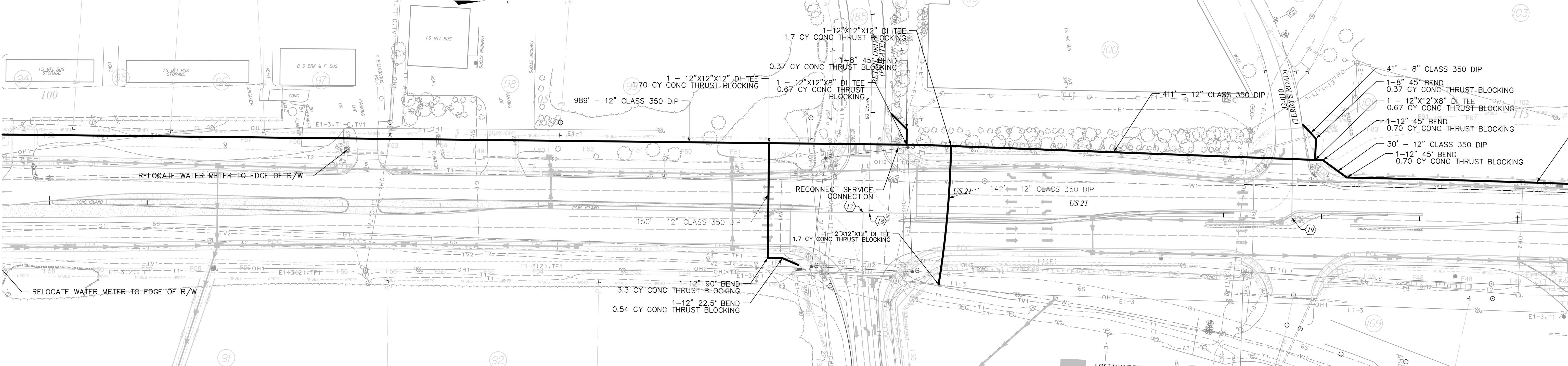
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3	S.C.	YORK	0042332	III49-004	J3-107	UC25



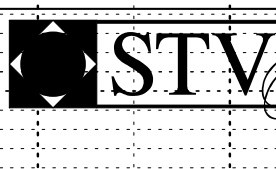
 **STV Incorporated**
4969 CENTRE POINTE DRIVE
SUITE 102
NORTH CHARLESTON, SOUTH CAROLINA 29418

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FINAL PLANS		FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.
FOR REVIEW ONLY		3	S.C.	YORK	0042332	III49-004	US 21	UC26



US 21 (N HWY 21 BYPASS)



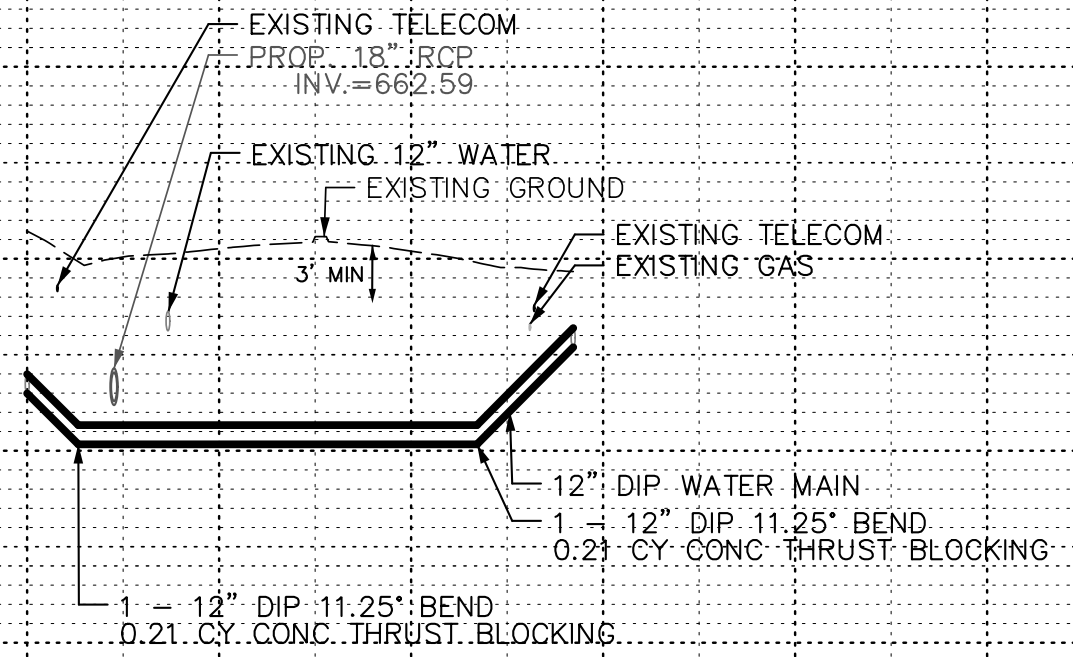
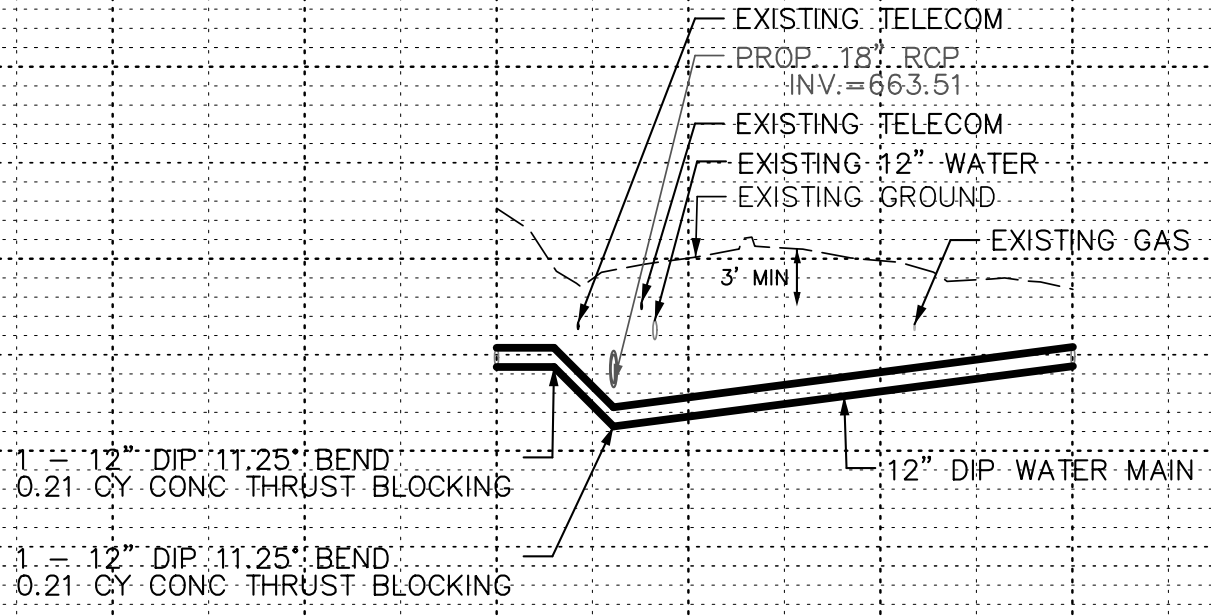
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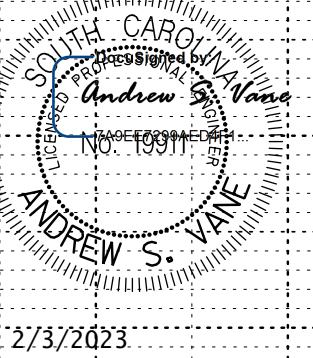
STV Incorporated

460 CENTRE POINTE DRIVE

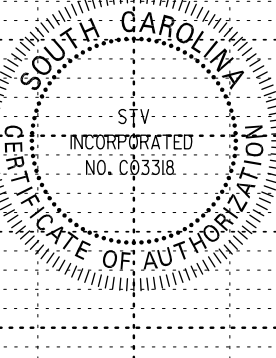
SUITE 102

NORTH CHARLESTON, SOUTH CAROLINA 29418





2/3/2023



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