

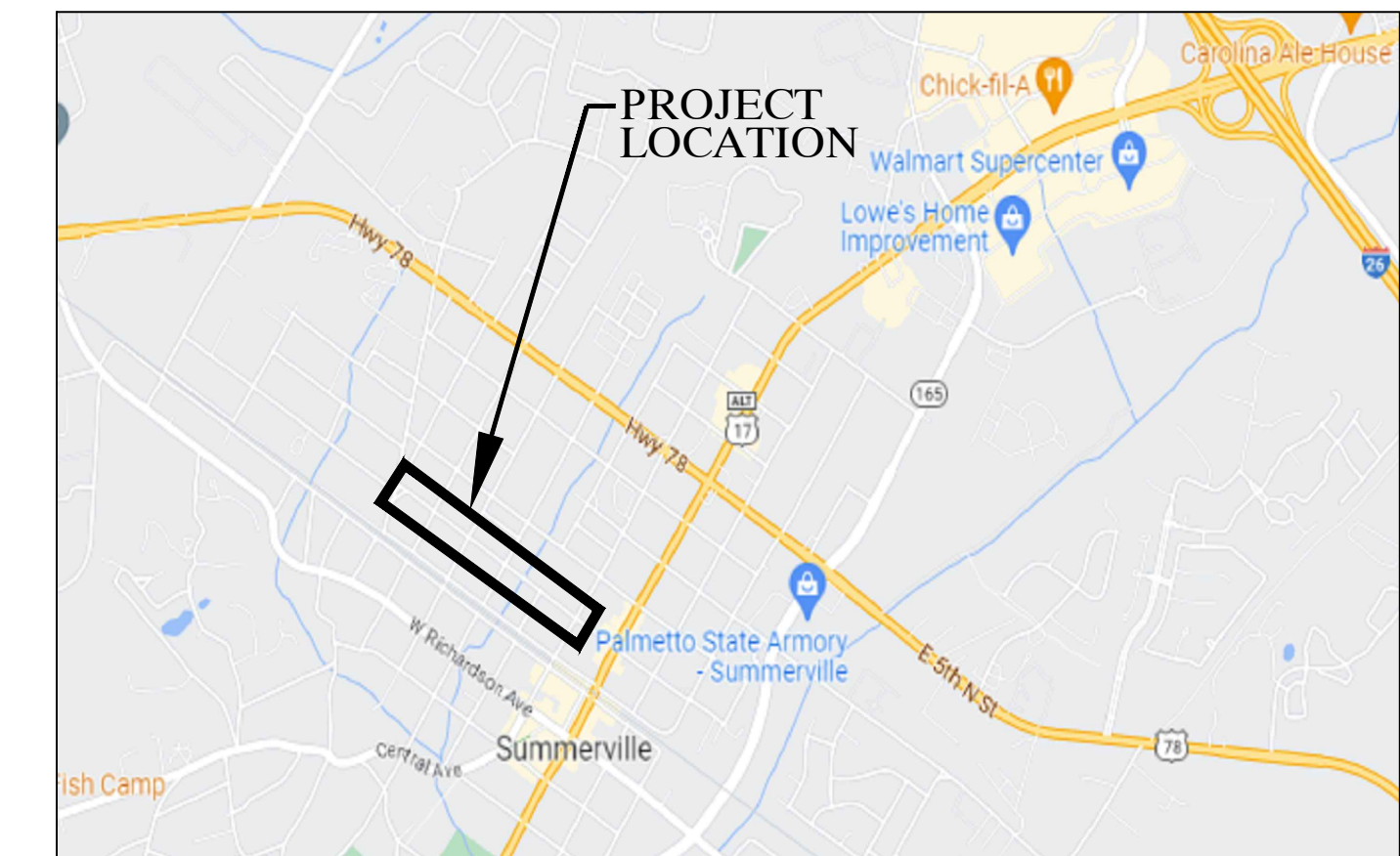
Construction Drawings for West 1st North Street Sidewalk

From Bryan St (S-187) to North Cedar St (S-13)
Summerville, South Carolina 29483

July 11, 2023

PREPARED FOR:
Town of Summerville
200 S. Main Street
Summerville, SC 29483

INDEX	
Sheet Number	Sheet Title
C-0.0	Cover Sheet
C-0.1	General Notes & Legend
C-1.0 to C-1.2	Typical Sections
C-2.0 to C-2.5	Existing Conditions
C-3.0 to C-3.5	Proposed Conditions
C-4.0 to C-4.8	Cross Sections
C-5.0	Erosion Control Details



LOCATION MAP
SCALE: 1" = 2000'

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT THE 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 SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

PROJECT CONTACTS/UTILITY PROVIDERS:

TOWN OF SUMMERVILLE

RUSSELL CORNETTE
200 S MAIN STREET
SUMMERVILLE, SC 29483
(843) 851-4226

SUMMERVILLE COMMISSIONERS OF PUBLIC WORKS (CPW)

B.K. Bonge Jr.
P.O. BOX 817
SUMMERVILLE, SC 29484
(843) 875-8795

SCDOT DISTRICT 6

NICK EVANS
6355 FAIN BOULEVARD
NORTH CHARLESTON, SC 29406
(843) 740-1667

DOMINION ENERGY GAS

DENISE TINDELL-WARE
(843) 576-8442

DOMINION ENERGY ELECTRIC

DENISE TINDELL-WARE
(843) 576-8442

SEGRA COMMUNICATIONS

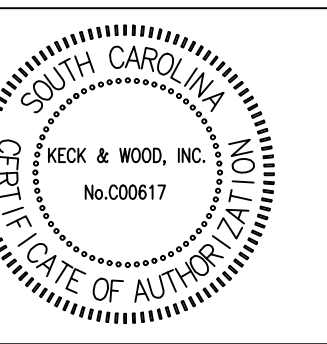
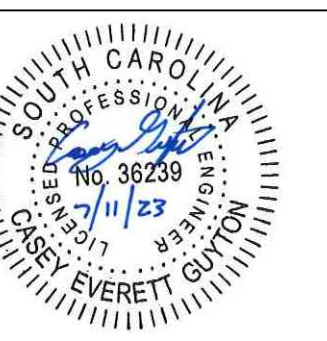
JAMIE TIMMONS
(803) 609-7412

WIDE OPEN WEST (WOW)

THOMAS STOKES
(843) 901-6632

CHARTER COMMUNICATIONS

CONSTRUCTION SERVICES
1-855-558-6793



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Cover Sheet

BID SET

Project Manager:
CEG
Drawn By: CEG
Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.: 220286
Drawing No.: C-0.0

THIS PROJECT HAS BEEN PREPARED USING THE SOUTH CAROLINA STATE PLANE NORTH AMERICAN DATUM OF 1983 (1986 - DETMOLD ADJUSTMENT), SOUTH CAROLINA LAMBERT ZONE 3900, UNITS IN INTERNATIONAL FEET.
VERTICAL DATUM: NAVD 1988 (VRS DERIVED)

BASED ON SURVEY BY:
PARKER LAND SURVEYING, LLC.
5910 GRIFFIN STREET,
HANAHAN, SC 29410
SURVEY DATED: MARCH 30, 2023



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.

- GENERAL CONSTRUCTION NOTES:**
1. CONTRACTOR TO CONTACT PUPS AT 888-721-7877 TO REQUEST LOCATES OF UNDERGROUND UTILITIES IN THE AREA PRIOR TO COMMENCING CONSTRUCTION.
 2. CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATION OF EXISTING IMPROVEMENTS WHICH EFFECT NEW WORK PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES EXIST.
 3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION & PROTECTION OF EXISTING ABOVE AND BELOW GRADE UTILITIES AND STRUCTURES. ANY AND ALL MAINS OR INDIVIDUAL SERVICES PRESENTLY IN SERVICE WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL EXPENSE TO THE OWNER OR UTILITY PROVIDER.
 4. CONTRACTOR IS TO MAINTAIN ALL UTILITY SERVICES INCLUDING BUT NOT LIMITED TO WATER, SANITARY SEWER, STORM SEWER, NATURAL GAS, ELECTRIC, AND TELEPHONE AT ALL TIMES DURING CONSTRUCTION.
 5. CONTRACTOR IS TO KEEP ALL PARKING AREAS, ALLEYS, AND STREETS ADJACENT TO THE CONSTRUCTION SITE CLEAN AT ALL TIMES DURING CONSTRUCTION.
 6. CONTRACTOR IS TO ADJUST THE ELEVATION OF THE RINGS AND COVERS OF ALL EXISTING UTILITIES WHICH ARE TO REMAIN TO MATCH THE NEW SURROUNDING GRADES.
 7. ALL SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AS NEEDED FOR THE CONSTRUCTION AND REPLACED AS SOON AS PRACTICAL.
 8. SIGNING OF THE CONSTRUCTION AREA SHALL COMPLY WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". ALL SIGNAGE INCLUDING REGULATORY AND WARNING SIGNS WHICH ARE OWNED AND MAINTAINED BY THE SCDOT ARE TO REMAIN THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES. ALL SIGNS WHICH NEED TO BE REMOVED ARE TO BE RELOCATED IMMEDIATELY.
 9. CONTRACTOR TO SET UP TEMPORARY SEDIMENT CONTROL MEASURES BEFORE WORK COMMENCES. ALL MEASURES SHALL BE INSPECTED DAILY (MONDAY THRU FRIDAY) FOR EXCESSIVE SILTATION. CONTRACTOR SHALL REMOVE EXCESSIVE SILT IMMEDIATELY BEFORE CONSTRUCTION COMMENCES ON THAT DAY. MAINTENANCE SHALL CONTINUE THROUGH PROJECT COMPLETION.
 10. CONTRACTOR IS TO DRESS, SEED AND MULCH ALL AREAS DISTURBED DURING CONSTRUCTION. FINAL DRESSING, SEEDING & MULCHING SHALL BE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
 12. INLET PROTECTION TO BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVE FLOWS FROM THE DISTURBED AREAS.
 13. CONTRACTOR TO ENSURE POSITIVE DRAINAGE THROUGH ENTIRE LIMITS OF PROJECT. MINIMAL GRADING SHALL OCCUR TO ENSURE POSITIVE DRAINAGE WHILE MATCHING EXISTING CONDITIONS.
 14. ALL WORK WITHIN THE SC DOT RIGHT-OF-WAY SHALL CONFORM TO SC DOT SPECIFICATIONS AND STANDARD DETAILS. ALL OTHER WORK SHALL COMPLY WITH CURRENT TOWN OF SUMMERVILLE SPECIFICATIONS AND DETAILS.
 15. ANY PAVEMENT MARKINGS IN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO BE THERMOPLASTIC; PAINT IS NOT ACCEPTABLE.

1 GENERAL CONSTRUCTION NOTES

- DEMOLITION NOTES:**
1. CONTRACTOR IS RESPONSIBLE FOR COMPLETELY DEMOLISHING ALL TREES AND OTHER SUBSURFACE ITEMS IDENTIFIED ON THE CONSTRUCTION DRAWINGS IN ORDER TO COMPLETE THE PROJECT.
 2. ALL DEMOLITION AND CONSTRUCTION DEBRIS IS TO BE LEGALLY DISPOSED OF OFF SITE.
 3. CONTRACTOR IS TO MAINTAIN UTILITY SERVICES, INCLUDING WATER, SANITARY SEWER, STORM SEWER, NATURAL GAS, ELECTRIC AND TELEPHONE AT ALL TIMES DURING CONSTRUCTION.
 4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION & PROTECTION OF EXISTING ABOVE AND BELOW GRADE UTILITIES. UTILITIES PRESENTLY IN SERVICE WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL EXPENSE TO THE OWNER OR UTILITY PROVIDER.
 5. CONTRACTOR TO BARRICADE THE DEMOLITION AREA TO PREVENT PEDESTRIANS AND MOTORIST FROM ENTERING THE AREA.
 6. CONTRACTOR TO REMOVE ALL TREES, SHRUBS, OR OTHER VEGETATION WITHIN DEMOLITION LIMITS UNLESS OTHERWISE NOTED.
 7. CONTRACTOR TO SAW CUT ALL CONCRETE AND ASPHALT THAT IS TO BE REMOVED TO ENSURE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING SURFACES.

2 DEMOLITION NOTES

- A- 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 THAT PORTION OF THE SITE.
- B- 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.
- C- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- D- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- E- 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.
- F- 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 SEVEN (7) CALENDAR DAYS.
- G- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE AND STOCKPILE TOPSOIL FOR REUSE.
- H- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
- 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 EQUIPMENT WASHING.
- I- SHOW BMP MEASURES FOR CONCRETE TRUCK WASHOUT AREA, OR ADD THE FOLLOWING NOTES:
- CONCRETE TRUCKS SHALL NOT TYPICALLY BE WASHED OUT ON SITE. IF CONCRETE TRUCK WASHOUT IS PERMITTED ON SITE, COORDINATE LOCATION AND BMP'S WITH SITE INSPECTOR.
- DO NOT DISPOSE OF CONCRETE TRUCK WASHOUT WASTE BY DUMPING INTO A SANITARY SEWER, STORM DRAIN OR ONTO SOIL OR PAVEMENT THAT CARRIES STORM WATER RUNOFF.
- CONCRETE TRUCK WASHOUT SHALL BE DISPOSED OF IN ACCORDANCE WITH THE FOLLOWING:
- DESIGNATED AREA THAT WILL LATER BE BACKFILLED (SLURRY PIT)
 - DESIGNATED AREA WHERE CONCRETE WASH CAN HARDEN AND BE DISPOSED OF AS SOLID WASTE.
 - LOCATION THAT IS NOT SUBJECT TO WATER RUNOFF, AND MORE THAN 50 FEET AWAY FROM A STORM DRAIN, OPEN DITCH, OR RECEIVING WATER WAY.
 - PUMP EXCESS CONCRETE IN CONCRETE PUMP BIN BACK INTO CONCRETE MIXER TRUCK.
 - CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OF OFFSITE.
- J- 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 EQUIPMENT WASHING.
- K- ALL CHEMICAL SPILLS, OIL SPILLS, OR FISH KILLS MUST BE REPORTED TO SCDHEC LAND & WASTE MANAGEMENT EMERGENCY RESPONSE - CALL THE 24-HOUR EMERGENCY RESPONSE LINE AT 1-888-481-0125.
- L- TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION WORKERS AND SITE VISITORS IN ACCORDANCE WITH 2006 INTERNATIONAL PLUMBING CODE GENERAL REGULATIONS, SECTION 311. PORTABLE FACILITIES SHALL BE PLACED ON LEVEL GROUND AND AWAY FROM STORM DRAINAGE SYSTEMS (DITCHES, CATCH BASINS, ETC.). DISPOSAL AND HANDLING OF SANITARY WASTE MUST COMPLY WITH SCDHEC REQUIREMENTS.
- M- FINAL GRADES FOR GRASSED AND LANDSCAPED AREAS SHALL REQUIRE A MINIMUM OF 4-6" OF CLEAN TOP SOIL, FREE OF DEBRIS AND CONTAMINANTS, AND PREFERABLY OF NATIVE ORIGIN.
- N- ALL CONSTRUCTION AREAS SHALL BE VEGETATED WITH VEGETATION THAT IS NATURAL TO THE SUMMERVILLE AREA AFTER TOTAL COMPLETION OF CONSTRUCTION ACTIVITIES. 70% GROUND COVER SHALL BE ESTABLISHED BEFORE THE PROJECT CAN BE DEEMED COMPLETE.
- O- NO SIGNIFICANT INCREASE TO STORMWATER RUNOFF WILL BE ADDED WITH THE INSTALLATION OF THE NEW IMPERVIOUS SURFACES.

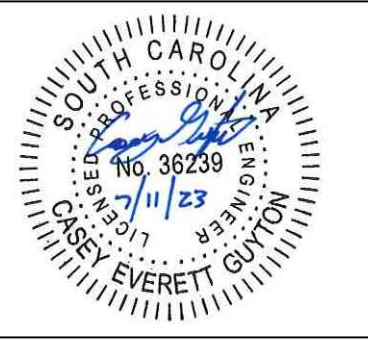
3 EROSION CONTROL NOTES

- STRIPING NOTES:**
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO STANDARDS AS OUTLINED IN THE LATEST EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
 2. ALL PAVEMENT MARKINGS AND SYMBOLS IN ALL PUBLIC ROWS SHALL BE THERMOPLASTIC PER SCDOT SPECIFICATIONS.

4 STRIPING NOTES

EXISTING		PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED			
SANITARY SEWER				DRY UTILITIES				OTHER LINE TYPES			
SANITARY MANHOLE				LIGHT POLE				ROAD CENTERLINE			
SANITARY SEWER LINE				POWER POLE				PROPERTY LINE			
SANITARY SEWER SERVICE				GUY WIRE				PROPERTY BOUNDARY			
SEWER FORCE MAIN				ELECTRICAL TRANSFORMER				WOOD FENCE			
AIR RELEASE VALVE				ELECTRICAL BOX				BARBED WIRE FENCE			
POTABLE WATER				SITE PLAN							
FIRE HYDRANT				ACCESSIBLE RAMP				CURB AND GUTTER			
WATER SERVICE				SIGN				EDGE OF PAVEMENT			
WATER VALVE				DOUBLE POLE SIGN				SETBACK			
TEE				ACCESSIBLE PARKING SPACE				AIR LINES			
TAP				CROSSWALK				PETRO LINES			
REDUCER				DIRECTIONAL ARROWS (FOR INFORMATION ONLY)				PERMANENT EASEMENT			
BLOWOFF				DIRECTIONAL ARROWS (TO BE PAINTED)				TEMPORARY EASEMENT			
STUBOUT				CONCRETE SIDEWALK				RIGHT OF WAY			
WATERLINE				TRAIL							
FIRE LINE				BUILDINGS							
WELL				PARKING BUMPER							
STORM SEWER				LOT NUMBER							
FLARED END SECTION				ROLLBAR							
TYPE A CATCH BASIN				MAIL BOX							
TYPE B CATCH BASIN				REVISION MARKER							
STORM DRAIN JUNCTION BOX				LANDSCAPING							
DROP INLET				TREE SAVE AREA							
STORM DRAIN				OPEN SPACE							
STORM DRAIN EASEMENT				TREES							
GRADING / EROSION CONTROL				OAK							
MAJOR CONTOUR				SWEET GUM							
MINOR CONTOUR				PECAN							
TEMPORARY CONTOUR				PINE							
SPOT ELEVATION				CEDAR							
TOP OF WALL ELEVATION				MAPLE							
BOTTOM OF WALL ELEVATION				POPLAR							
TEMPORARY INLET PROTECTION				MAGNOLIA							
LIMITS OF CONSTRUCTION				DOGWOOD							
LIMITS OF DISTURBANCE				MISC. TREE							
TEMPORARY DIVERSION DIKE				TREE LINE							
TEMPORARY DIVERSION SWALE				SURVEY							
PERMANENT SWALE/DITCH				EXISTING IRON PIN							
EXISTING SWALE/DITCH				NEW IRON PIN (6\"							
SILT FENCE				CALCULATED POINT							
TIME OF CONCENTRATION				BENCHMARK							
SOIL BOUNDARY											
SOIL TYPE											
TEMPORARY SEDIMENT TRAP											
BASIN											
WATER QUALITY BASIN											
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE											
CHECK DAM											
TEMPORARY FILTER BERM											
TREE PROTECTION FENCING											
TEMPORARY MATTING											
CONCRETE WASHOUT AREA											

5 LEGEND



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina

General Notes & Legend

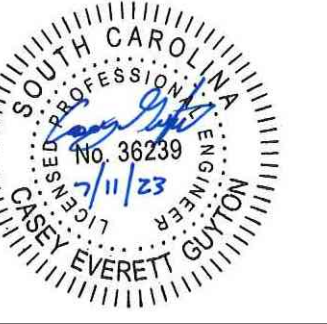
BID SET

Project Manager:
CEG
Drawn By: CEG
Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.: 220286
Drawing No.: C-0.1

This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.

G:\Shaded Drive\2023 Project\220286 - West First North St Sidewalk\CA\220286.dwg



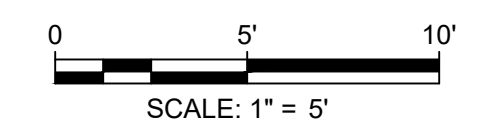
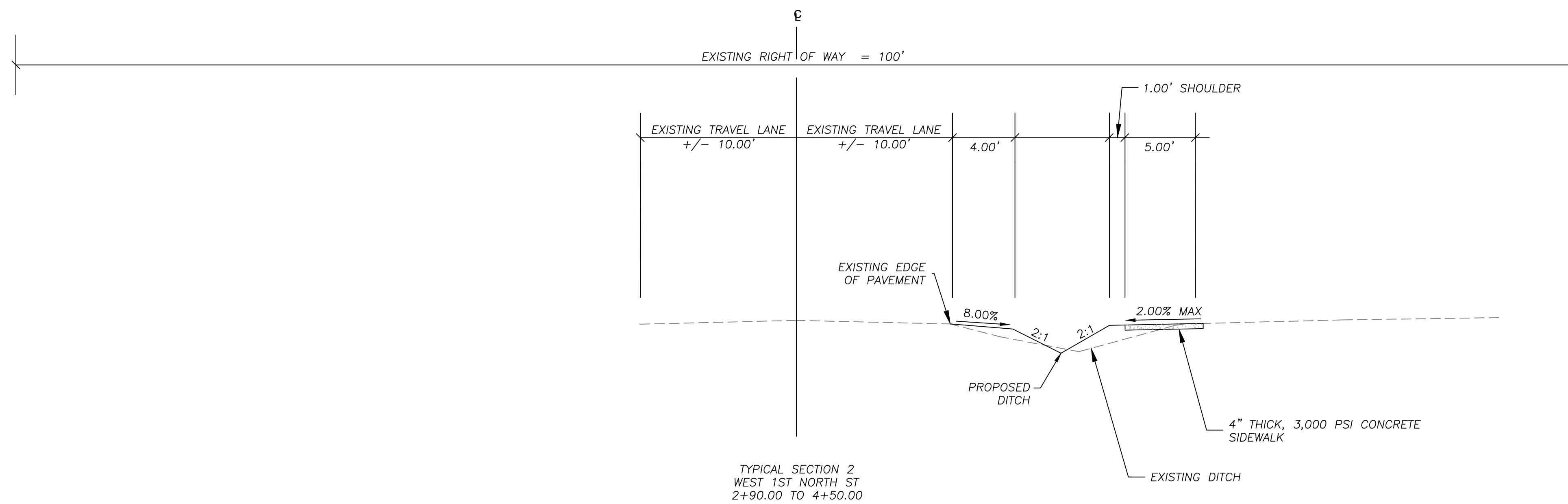
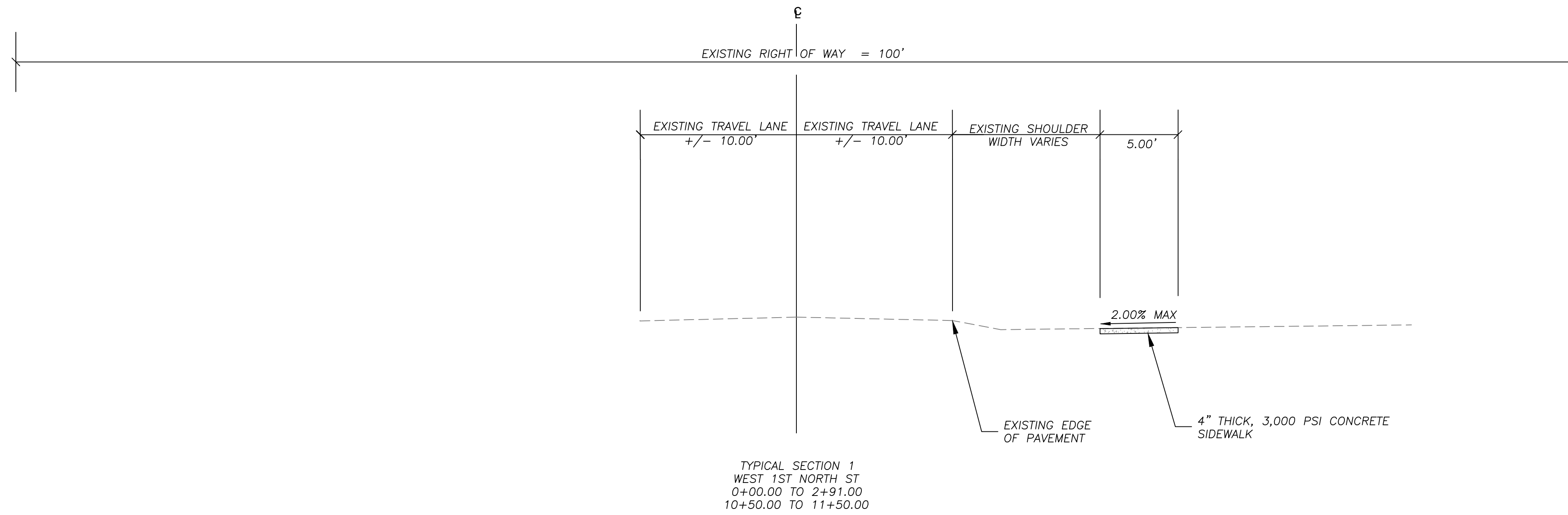
NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Typical Sections

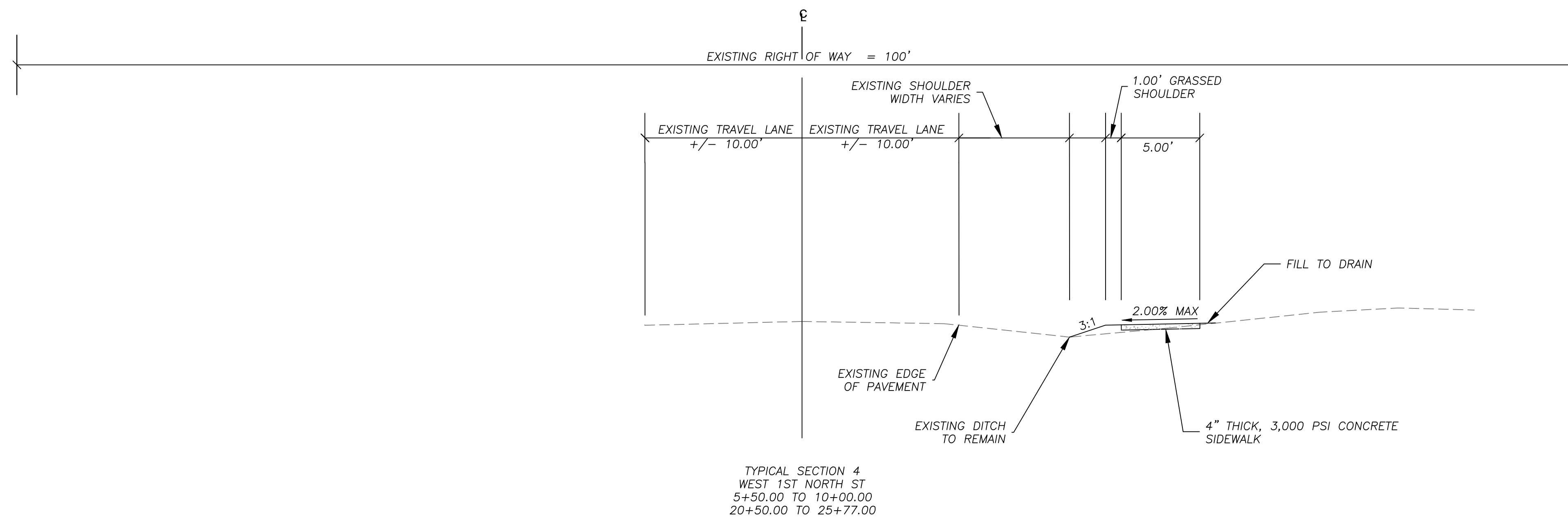
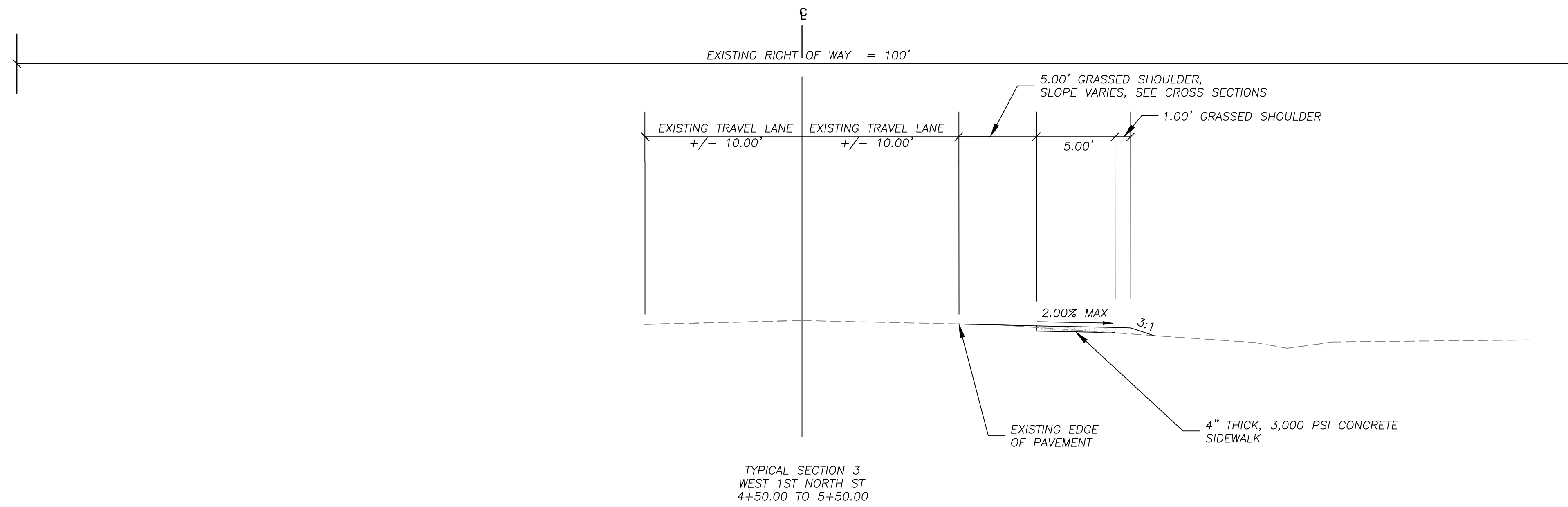
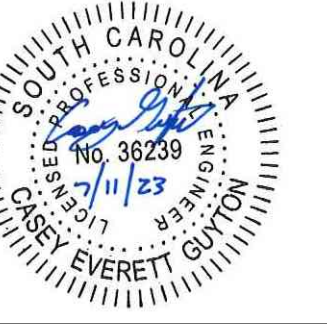
BID SET

Project Manager:
CEG
Drawn By: MDC
Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.:
220286
Drawing No.:
C-1.0



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina

Typical Sections

BID SET

Project Manager:
CEG

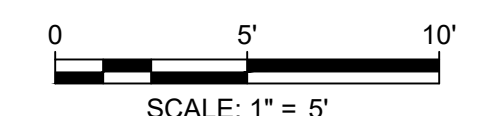
Drawn By: CEG Checked By: MDC

Date: 7/11/2023

Scale: AS SHOWN

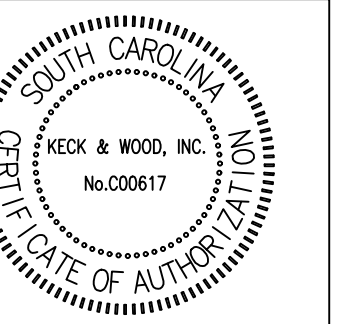
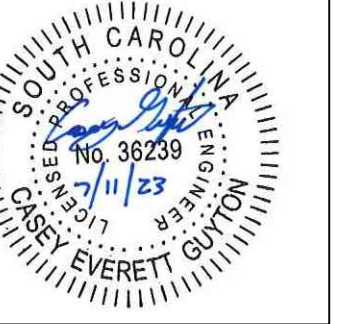
Project No.:
220286

Drawing No.:
C-1.1



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.

© 2023 Keck & Wood, Inc.



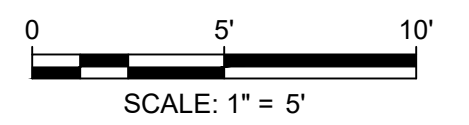
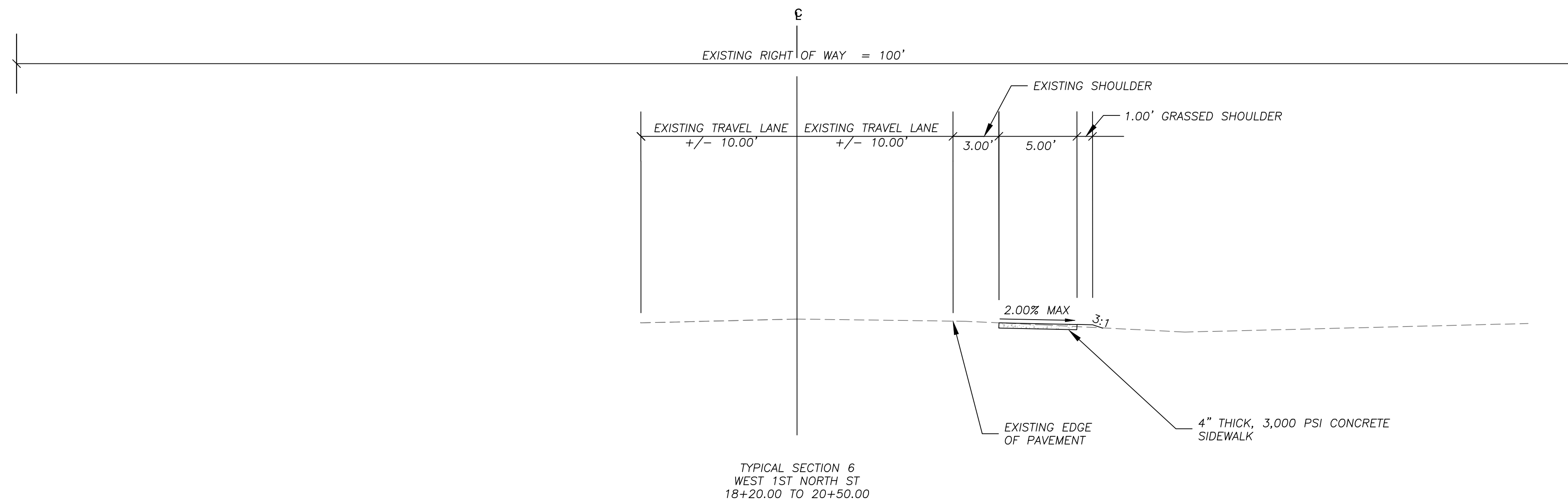
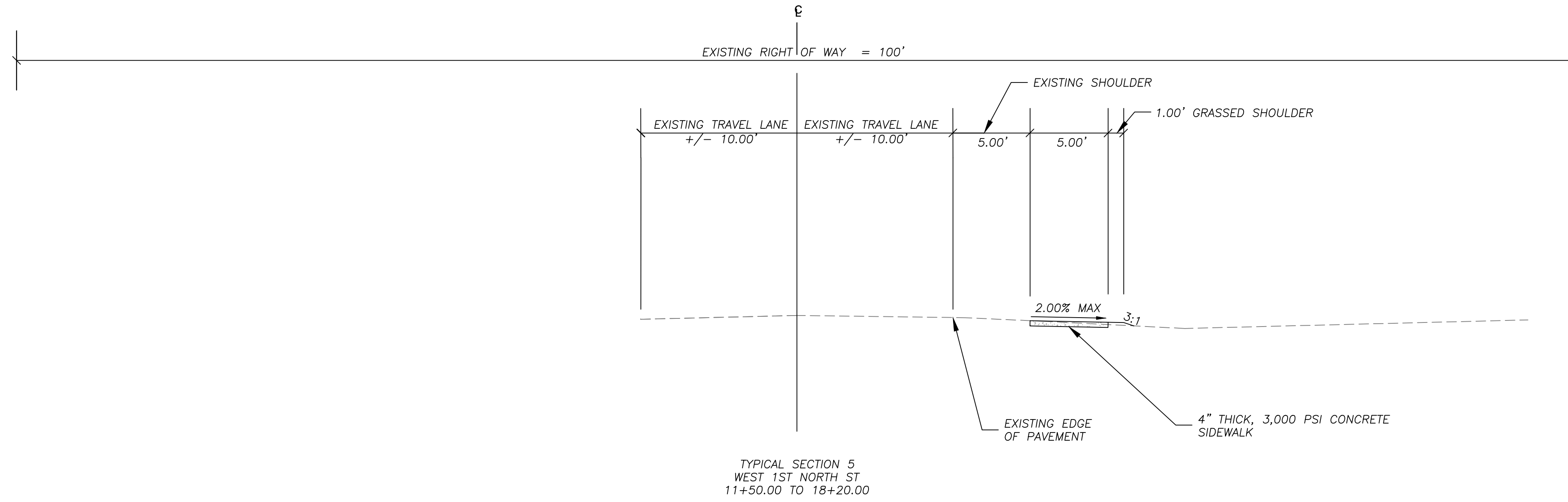
NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Typical Sections

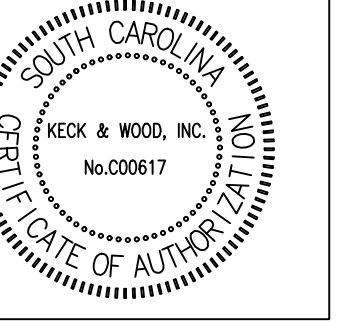
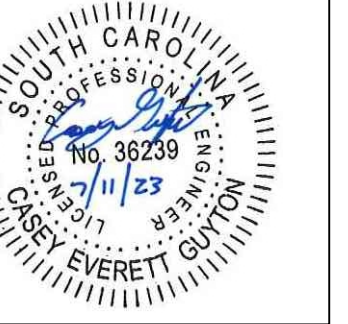
BID SET

Project Manager:
CEG
Drawn By: CEG Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.:
220286
Drawing No.:
C-1.2



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



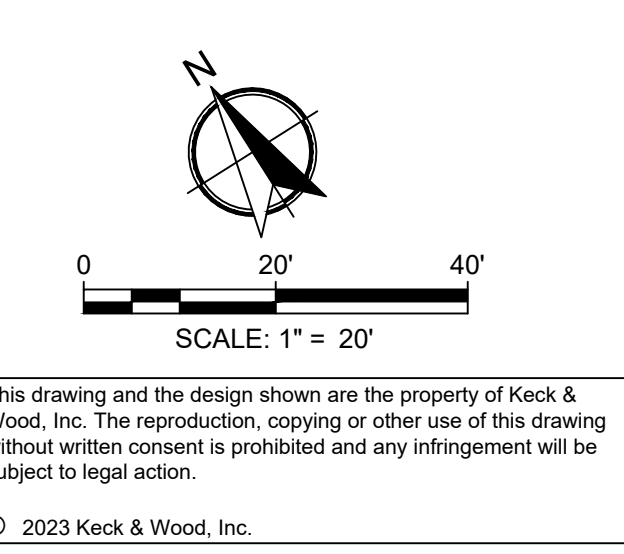
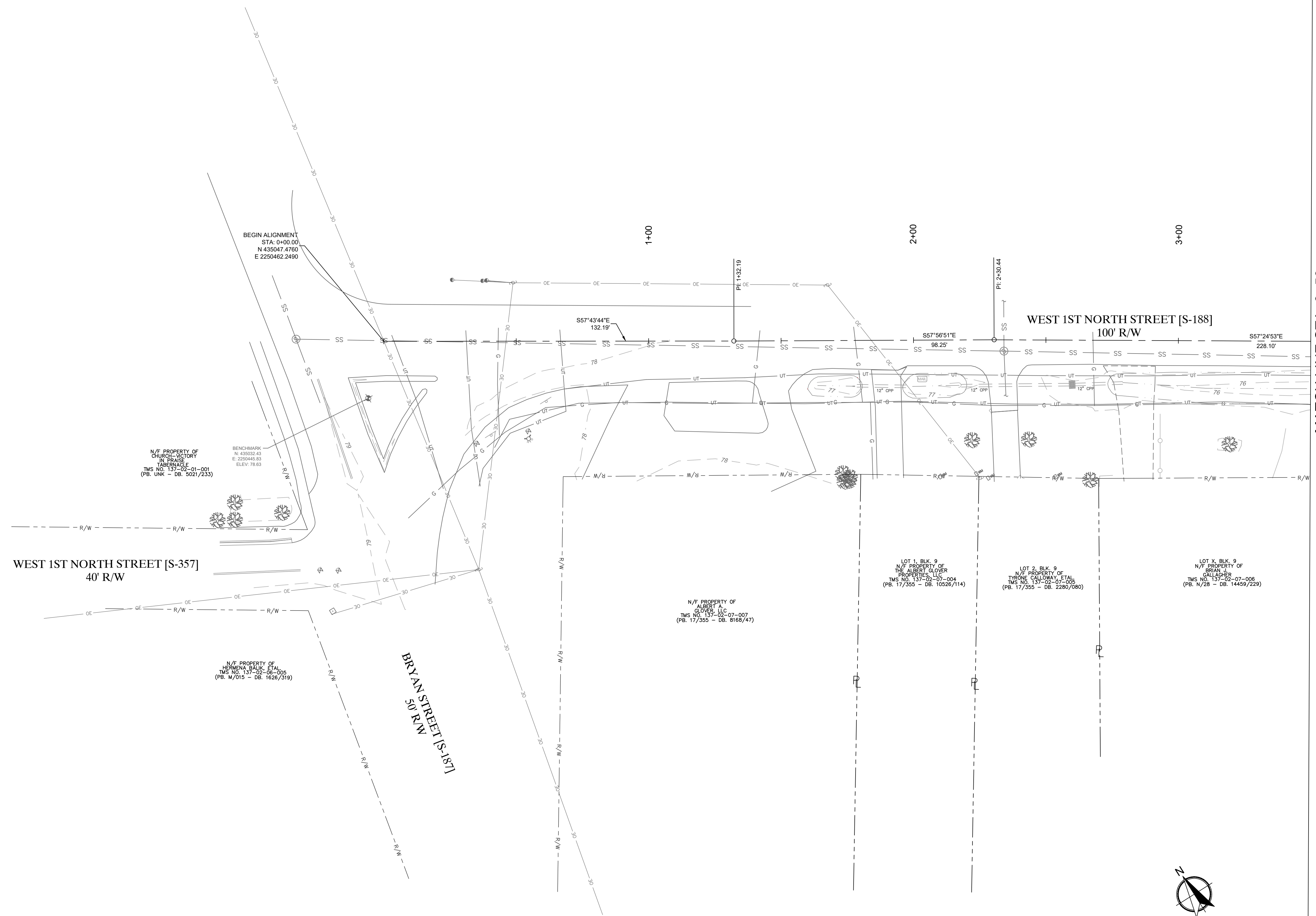
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Existing Conditions
 Station 0+00 to 3+50

BID SET

Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-2.0



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.

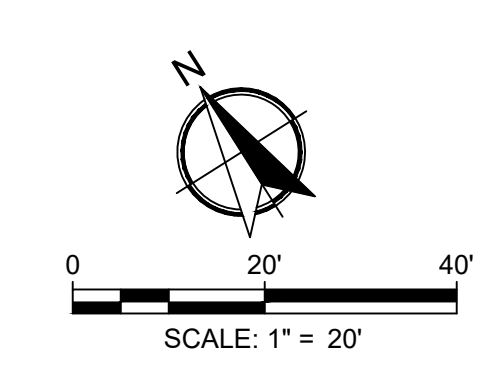
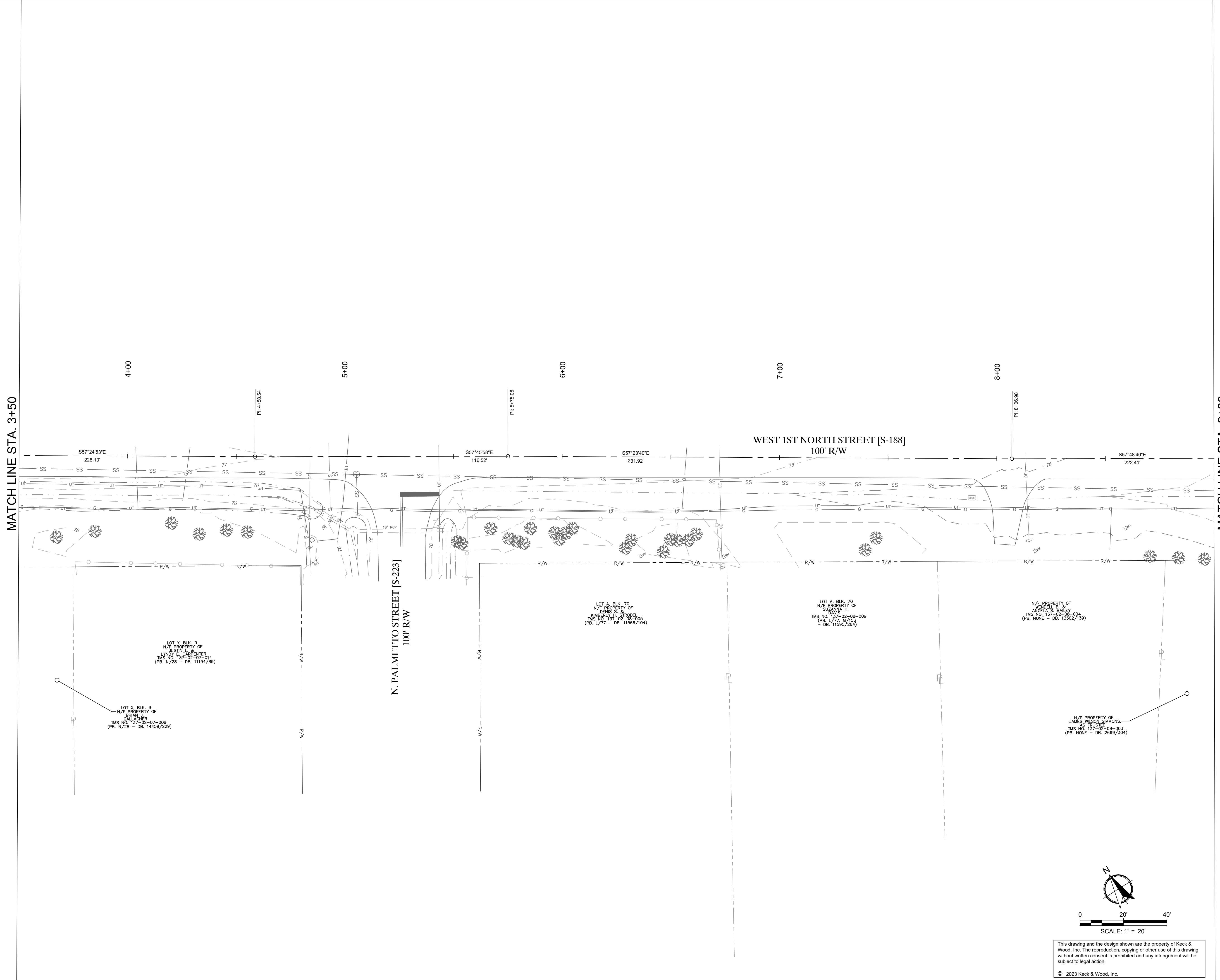
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Existing Conditions
 Station 3+50 to 9+00

BID SET

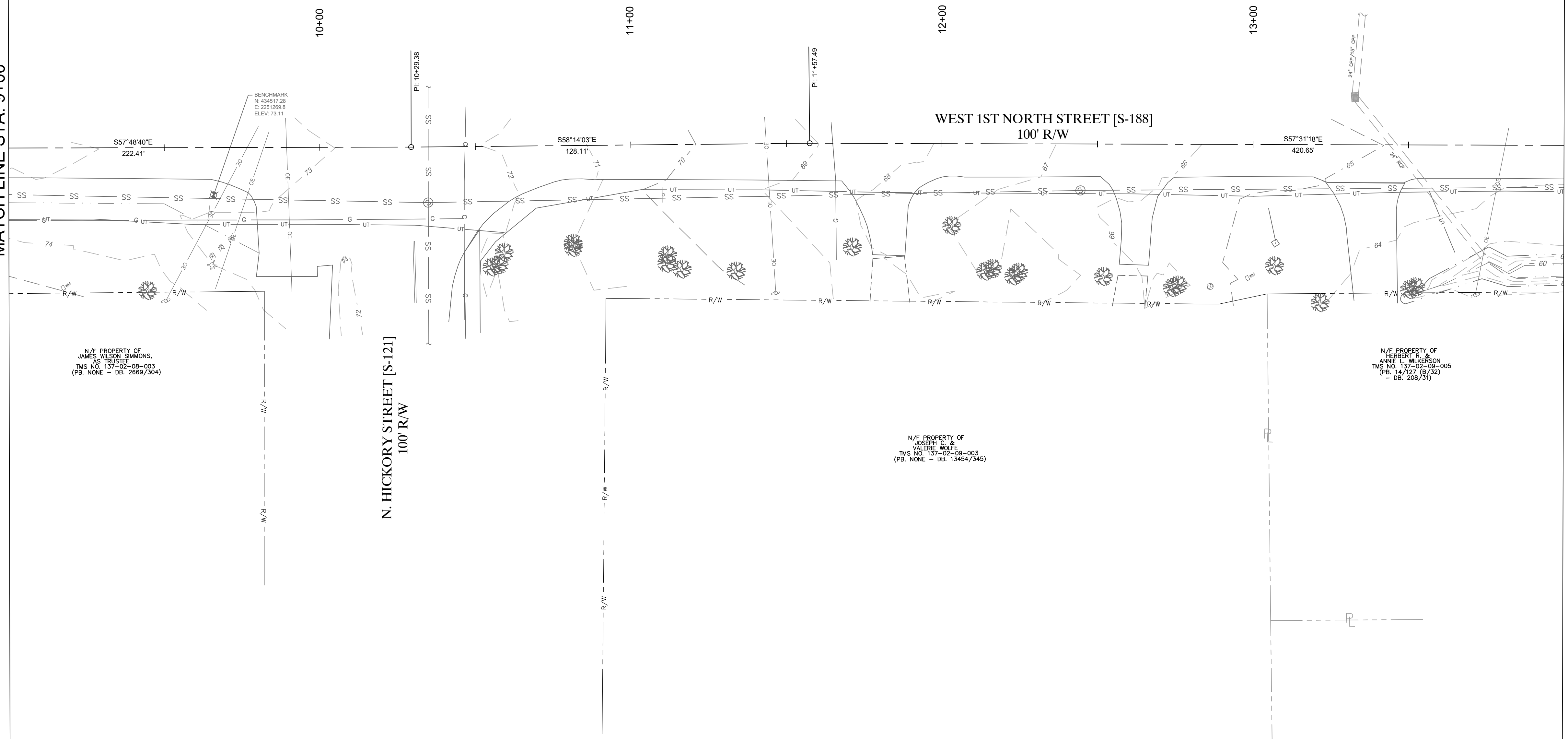
Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-2.1

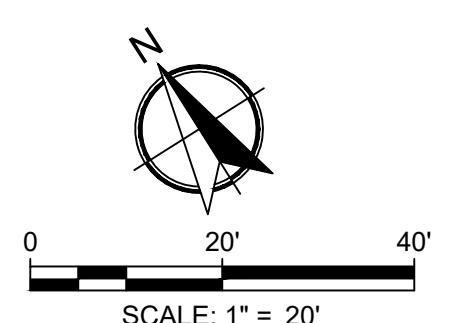


This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.

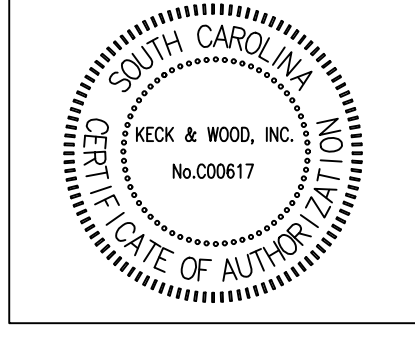
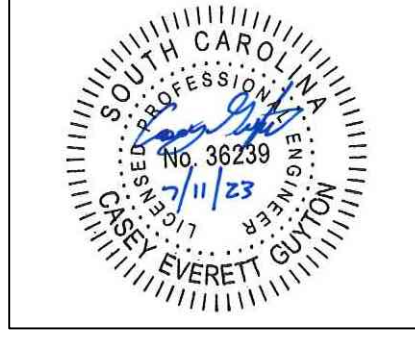
MATCH LINE STA. 9+00



MATCH LINE STA. 14+00



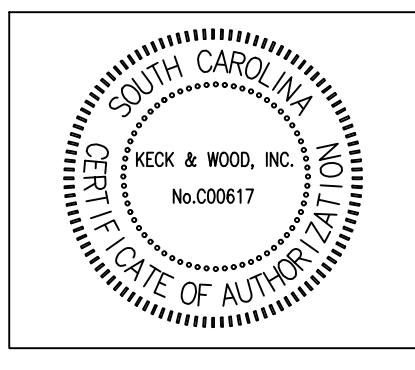
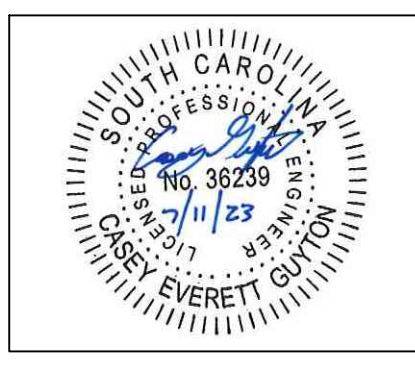
This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Existing Conditions
Station 9+00 to 14+00

BID SET	
Project Manager:	CEG
Drawn By:	CEG
Checked By:	MDC
Date:	7/11/2023
Scale:	AS SHOWN
Project No.:	220286
Drawing No.:	C-2.2



NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Existing Conditions
 Station 14+00 to 19+50

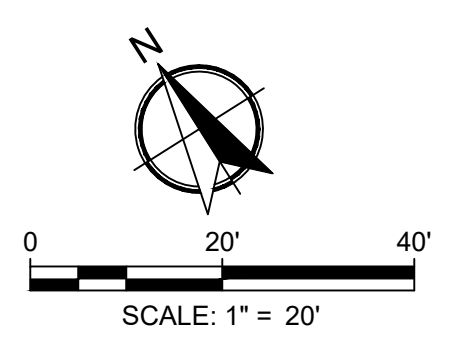
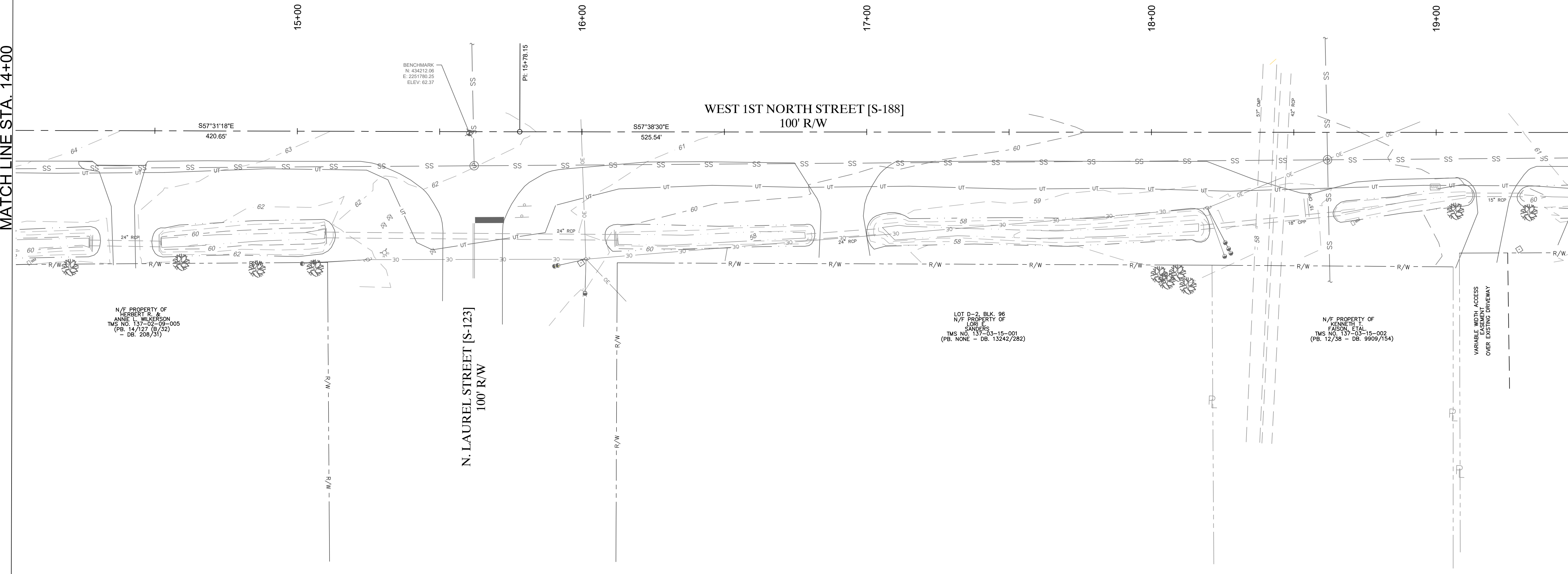
BID SET

Project Manager:	CEG
Drawn By:	CEG
Checked By:	MDC
Date:	7/11/2023
Scale:	AS SHOWN

Project No.: **220286**
 Drawing No.: **C-2.3**

MATCH LINE STA. 14+00

MATCH LINE STA. 19+50

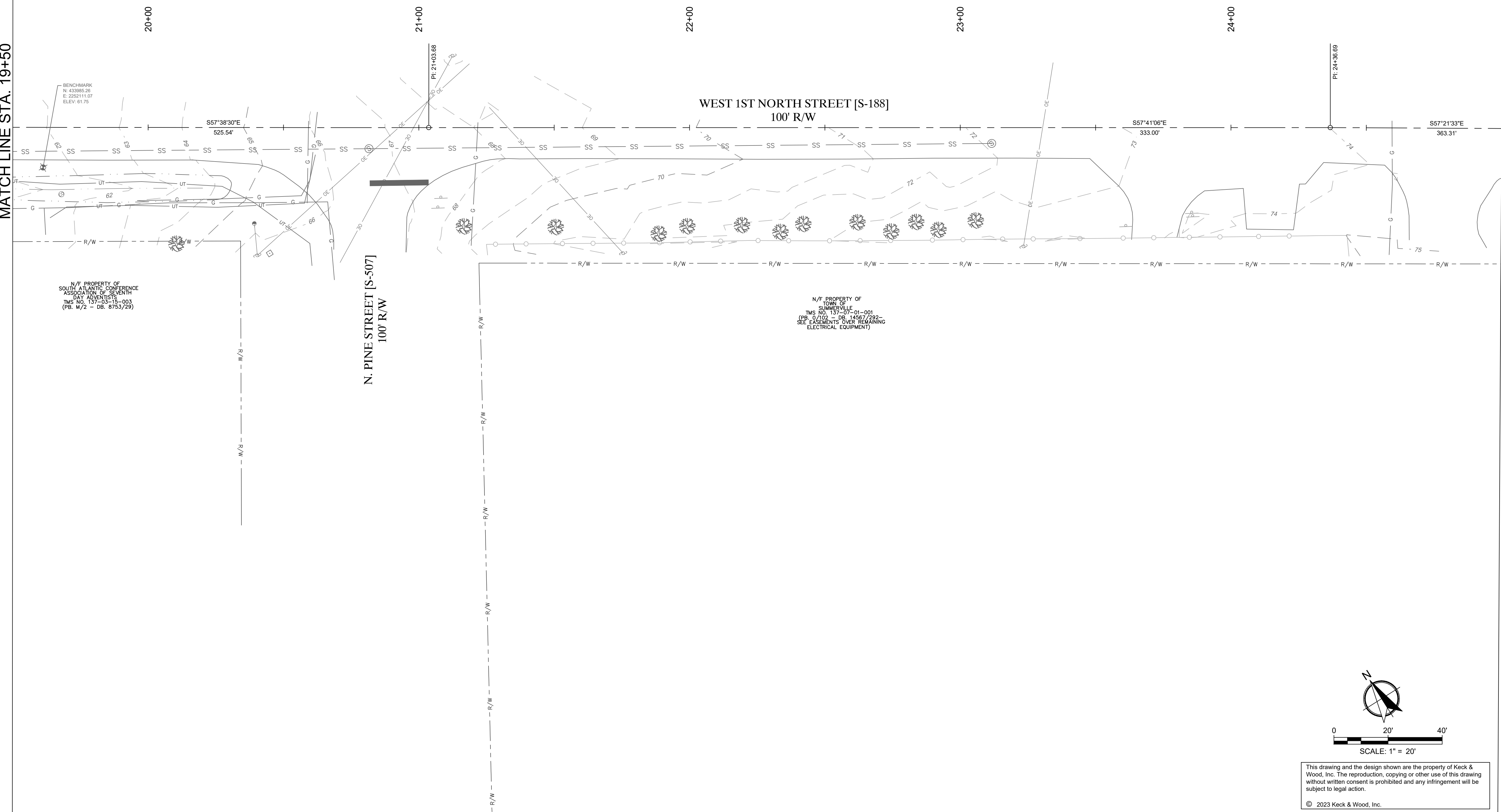


This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.

G:\Shared_Drives\2022\Projects\22086 - West First North St Sidewalk\CAD\22086.dwg

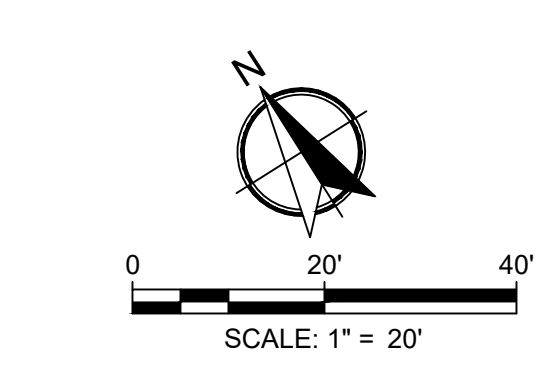
MATCH LINE STA. 19+50

MATCH LINE STA. 25+00

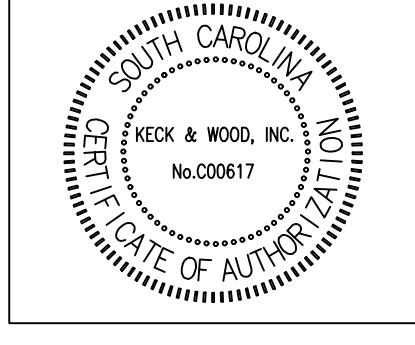
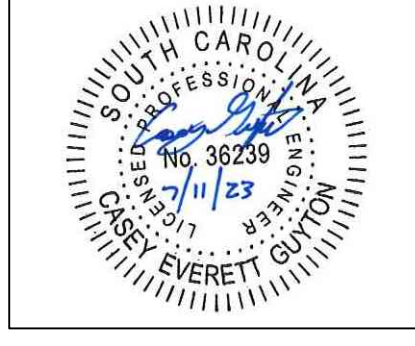


N/F PROPERTY OF
SOUTH ATLANTIC CONFERENCE
ASSOCIATION OF BLENTH
DAY ADVENTISTS
TMS NO. 157-13-1-003
(P.B. M/2 - DB. 8753/29)

N/F PROPERTY OF
TOWN OF
SUMMERVILLE
TMS NO. 157-07-01-001
(P.B. 0/102 - DB. 14567/292
SEE EASEMENTS OVER REMAINING
ELECTRICAL EQUIPMENT)



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Existing Conditions
Station 19+00 to 25+00

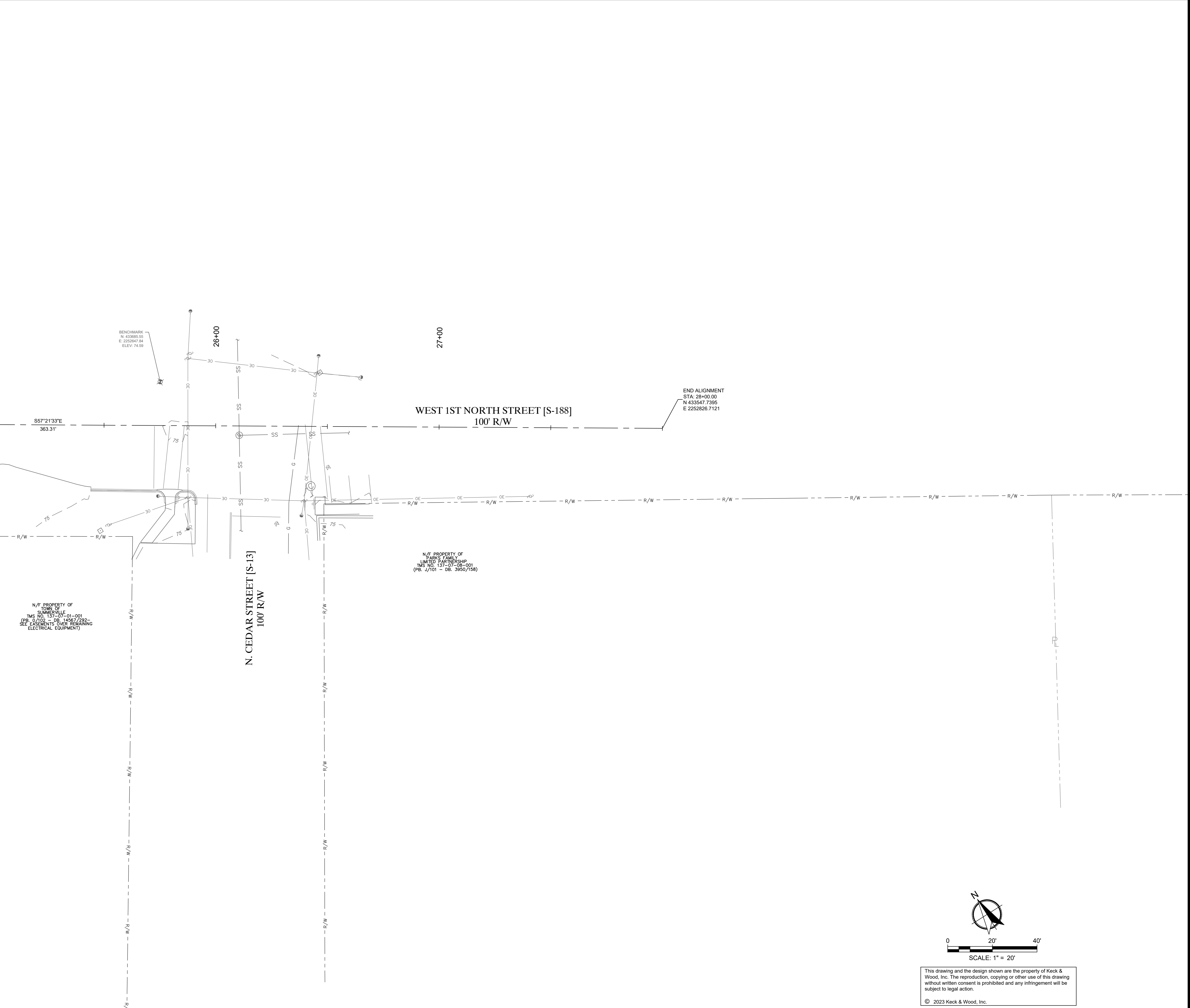
BID SET

Project Manager:
CEG
Drawn By: CEG Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.:
220286
Drawing No.:
C-2.4

G:\Shared_Drives\2022\Projects\22086 - West First North St Sidewalk\CA\22086.dwg

MATCH LINE STA. 25+00



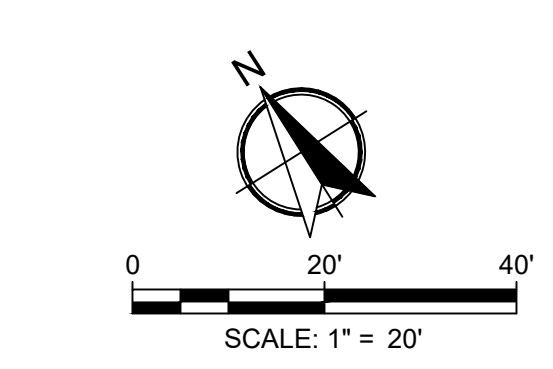
N.W. PROPERTY OF
TOWN OF
SUMMERVILLE
PMS NO. 137-07-01-001
(P.S. 1/102 - 08, 14867/292-
SEE EASEMENTS OVER REMAINING
ELECTRICAL EQUIPMENT)

N. CEDAR STREET [S-13]
100' R/W

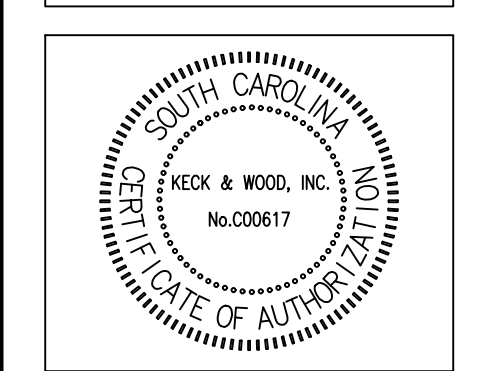
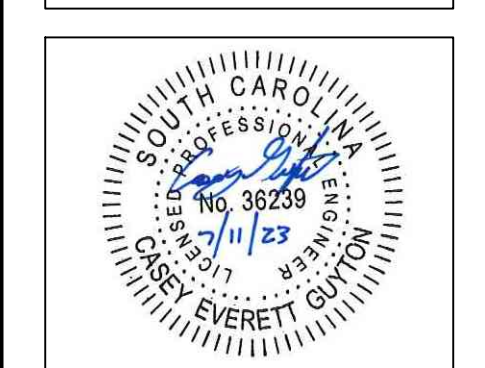
WEST 1ST NORTH STREET [S-188]
100' R/W

N.W. PROPERTY OF
PARKS FARM
LIMITED PARTNERSHIP
PMS NO. 137-07-08-001
(P.S. 1/101 - 08, 3950/158)

END ALIGNMENT
STA: 28+00.00
N 433547.7395
E 2252826.7121



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



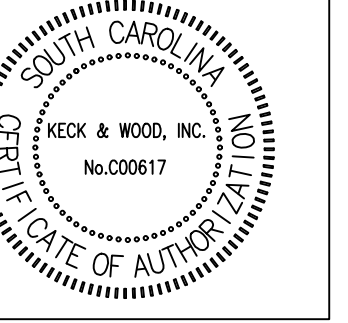
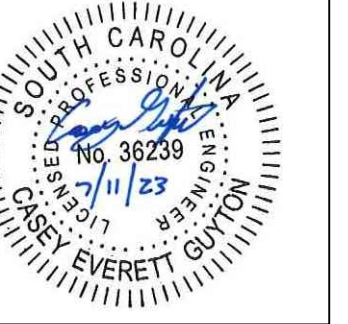
NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Existing Conditions
Station 25+00 to 28+00

BID SET

Project Manager:
CEG
Drawn By: CEG
Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.:
220286
Drawing No.:
C-2.5



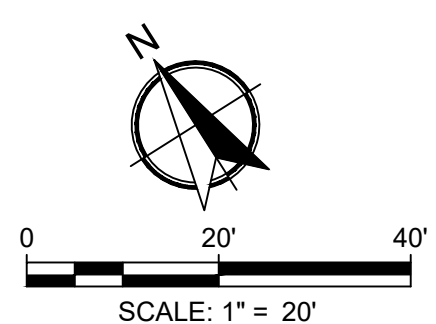
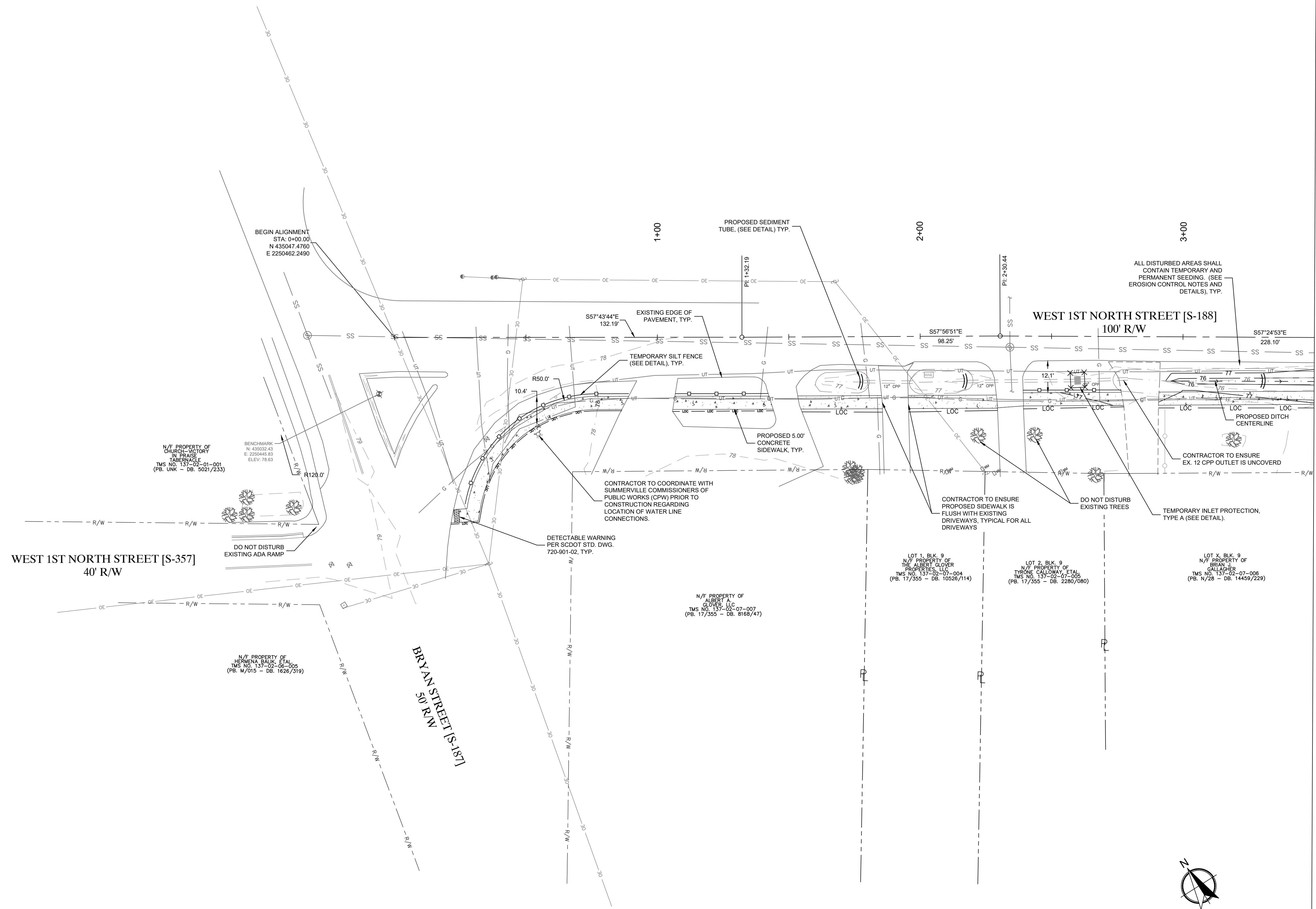
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Proposed Conditions
 Station 0+00 to 3+50

BID SET

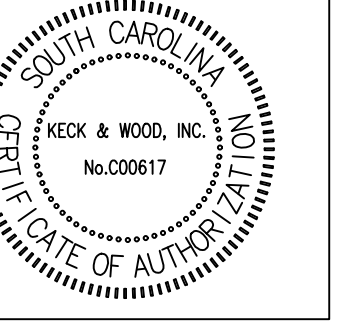
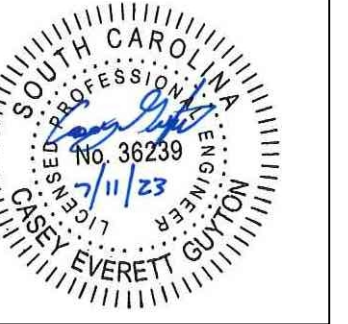
Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-3.0



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.

MATCH LINE STA. 3+50



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina

Proposed Conditions
Station 3+50 to 9+00

BID SET

Project Manager:
CEG

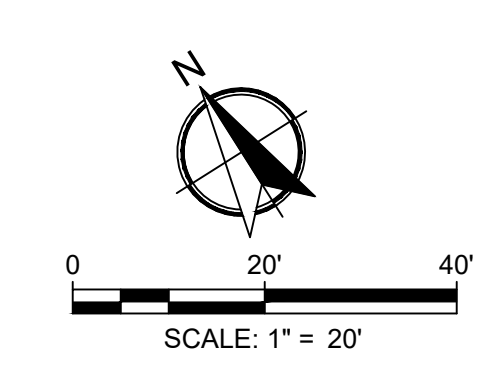
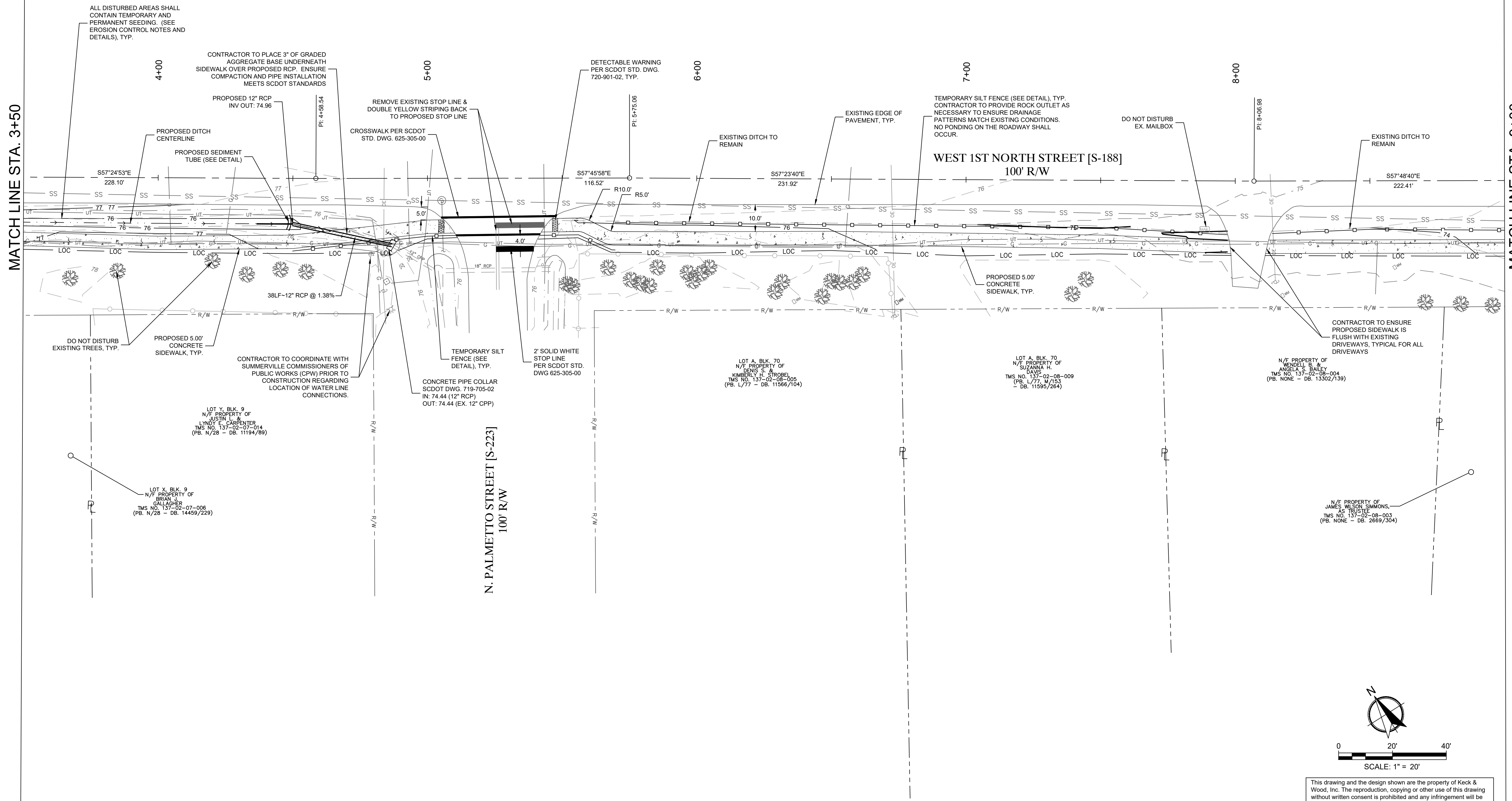
Drawn By: CEG Checked By: MDC

Date: 7/11/2023

Scale: AS SHOWN

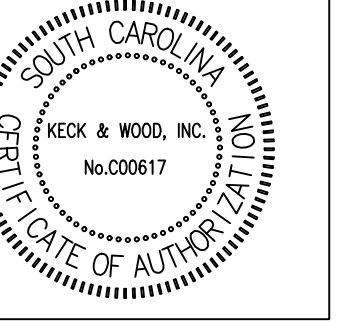
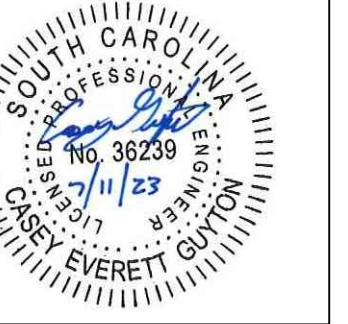
Project No.: 220286

Drawing No.: C-3.1



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.

© 2023 Keck & Wood, Inc.



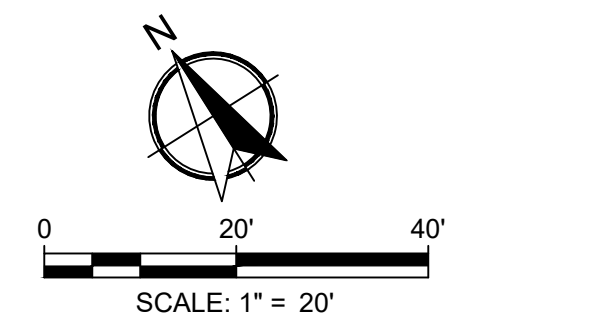
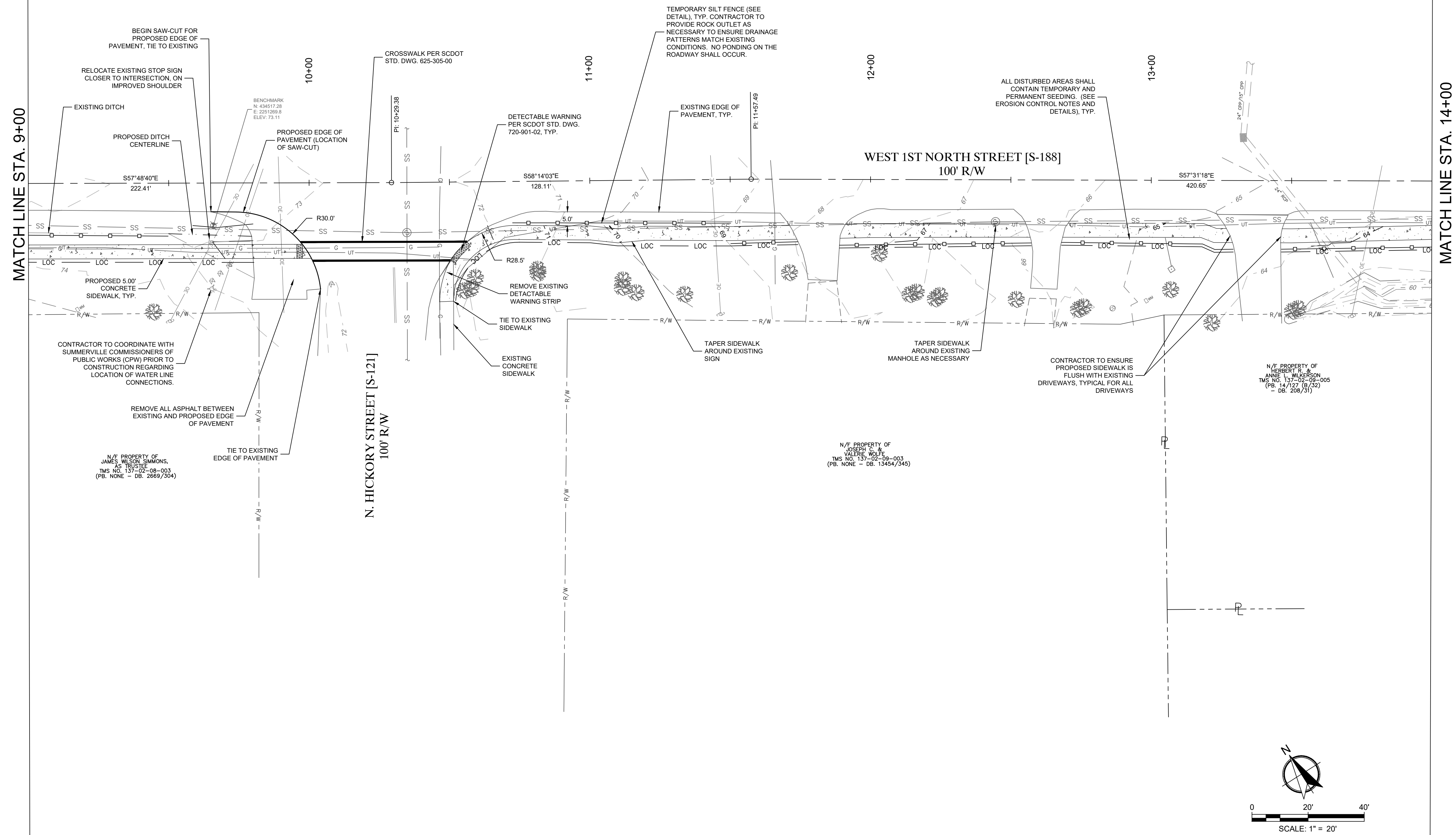
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Proposed Conditions
 Station 9+00 to 14+00

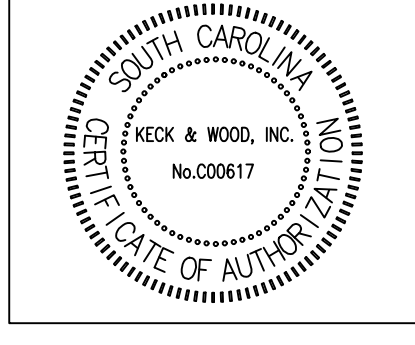
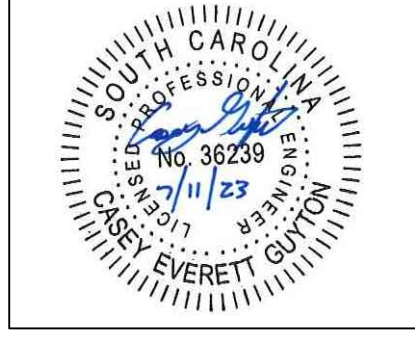
BID SET

Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-3.2



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



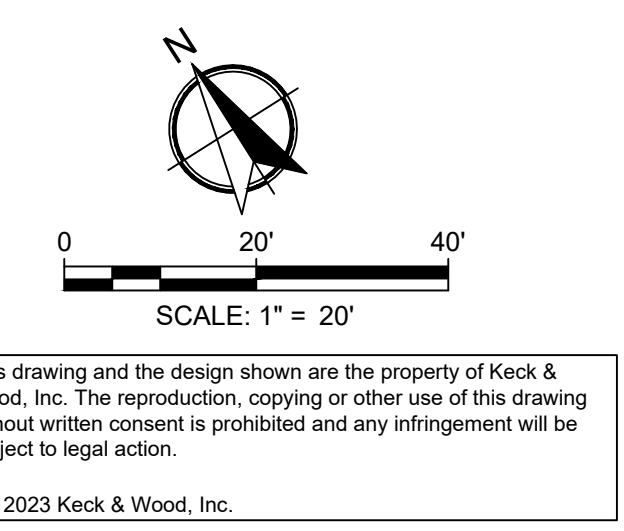
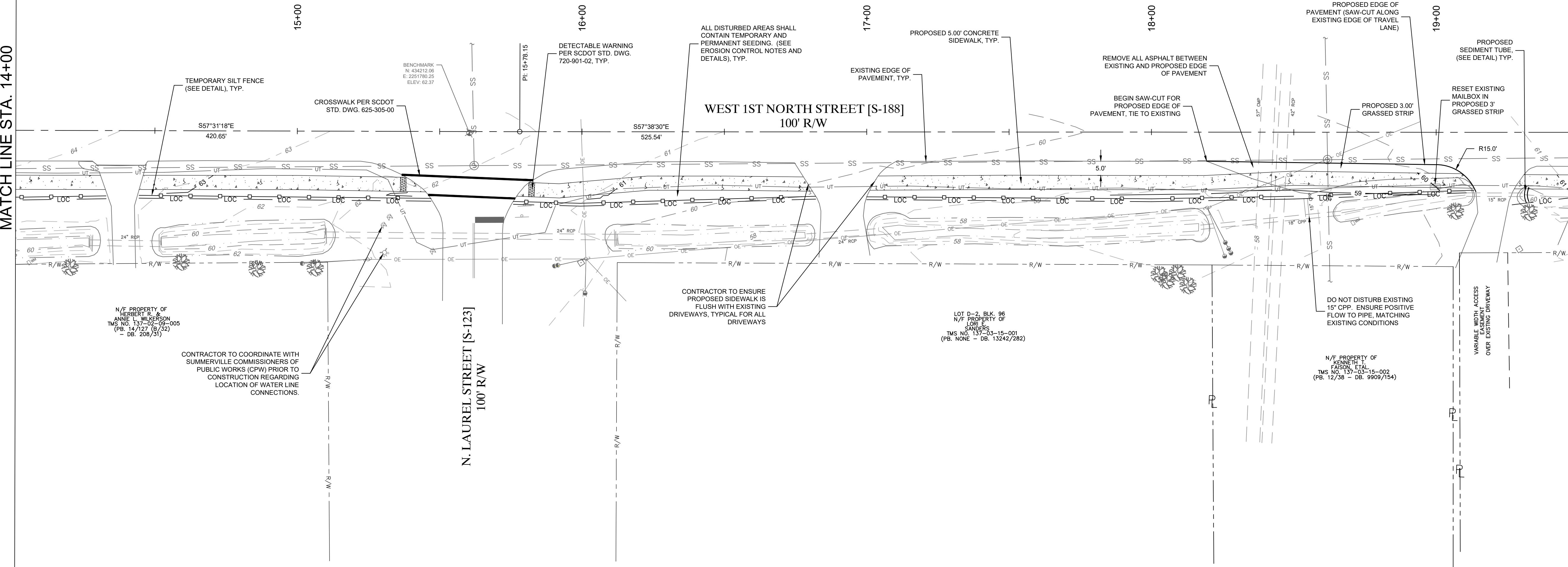
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Proposed Conditions
 Station 14+00 to 19+50

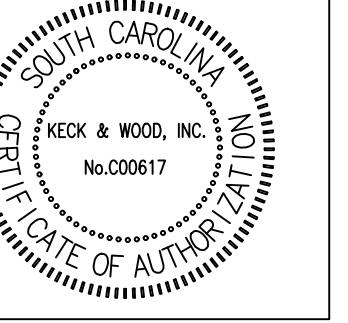
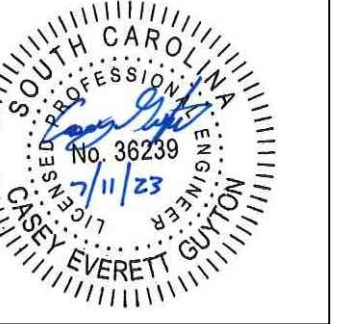
BID SET	
Project Manager:	CEG
Drawn By:	CEG
Checked By:	MDC
Date:	7/11/2023
Scale:	AS SHOWN
Project No.:	220286
Drawing No.:	C-3.3

MATCH LINE STA. 14+00

MATCH LINE STA. 19+50



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



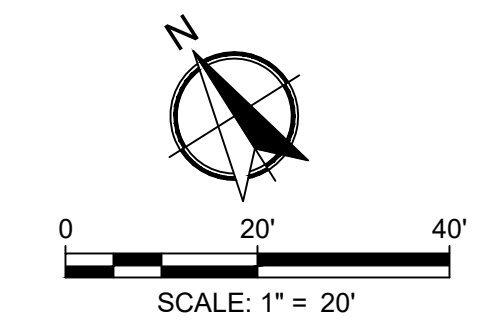
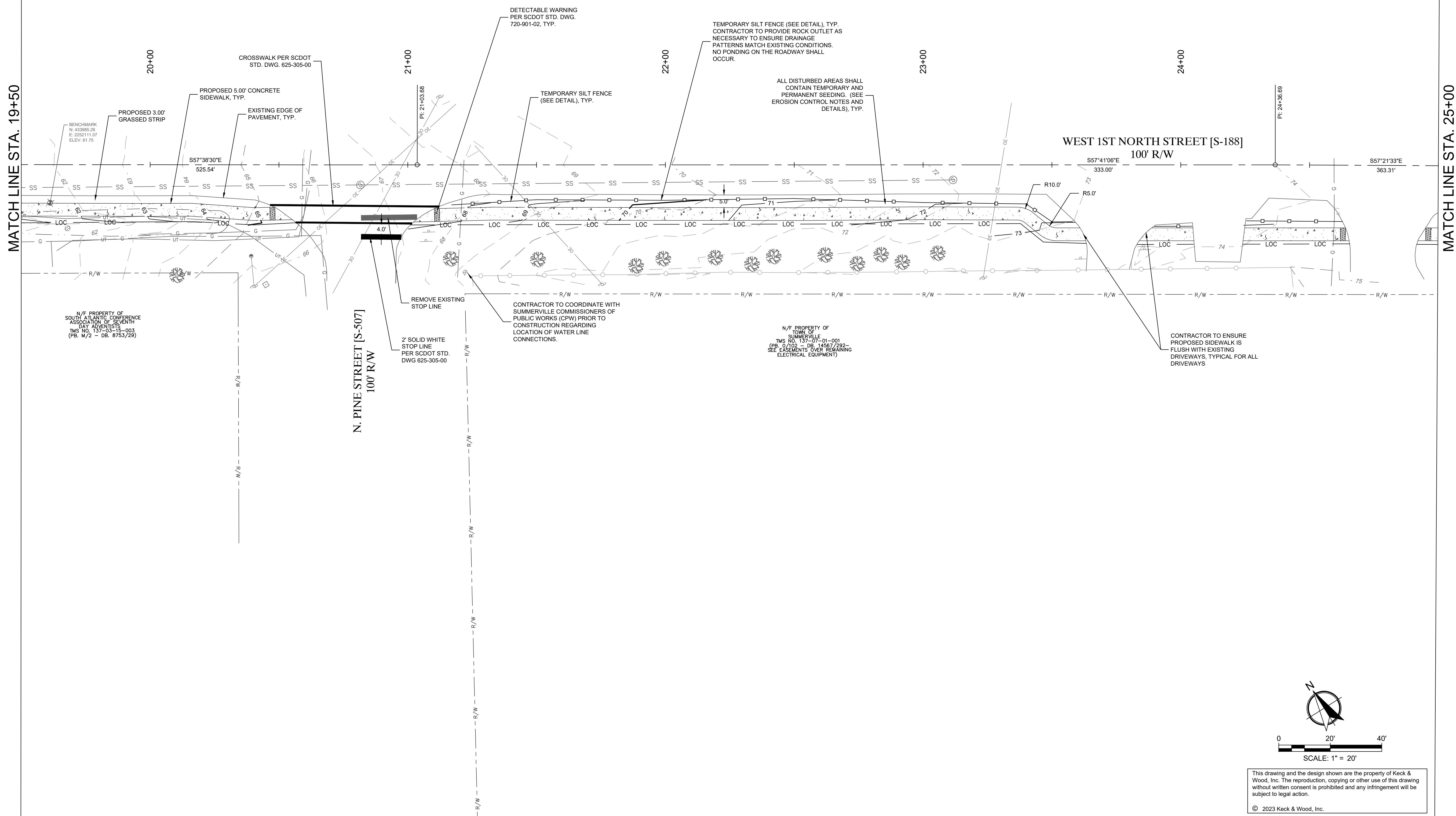
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Proposed Conditions
 Station 19+00 to 25+00

BID SET

Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-3.4



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.

MATCH LINE STA. 19+50

MATCH LINE STA. 25+00



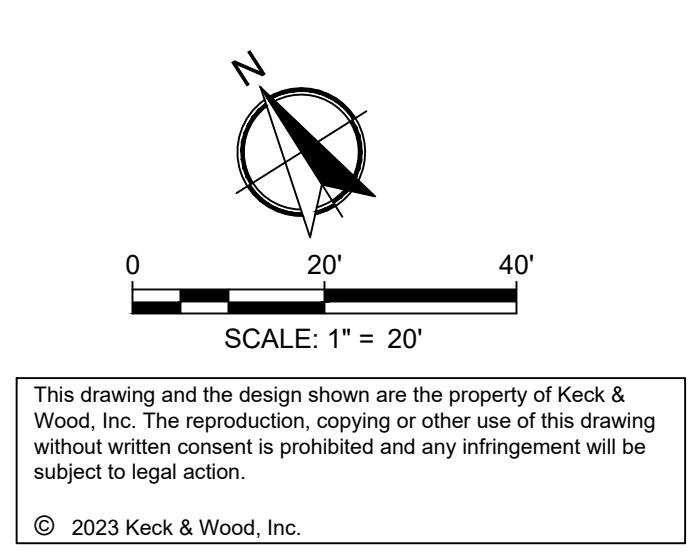
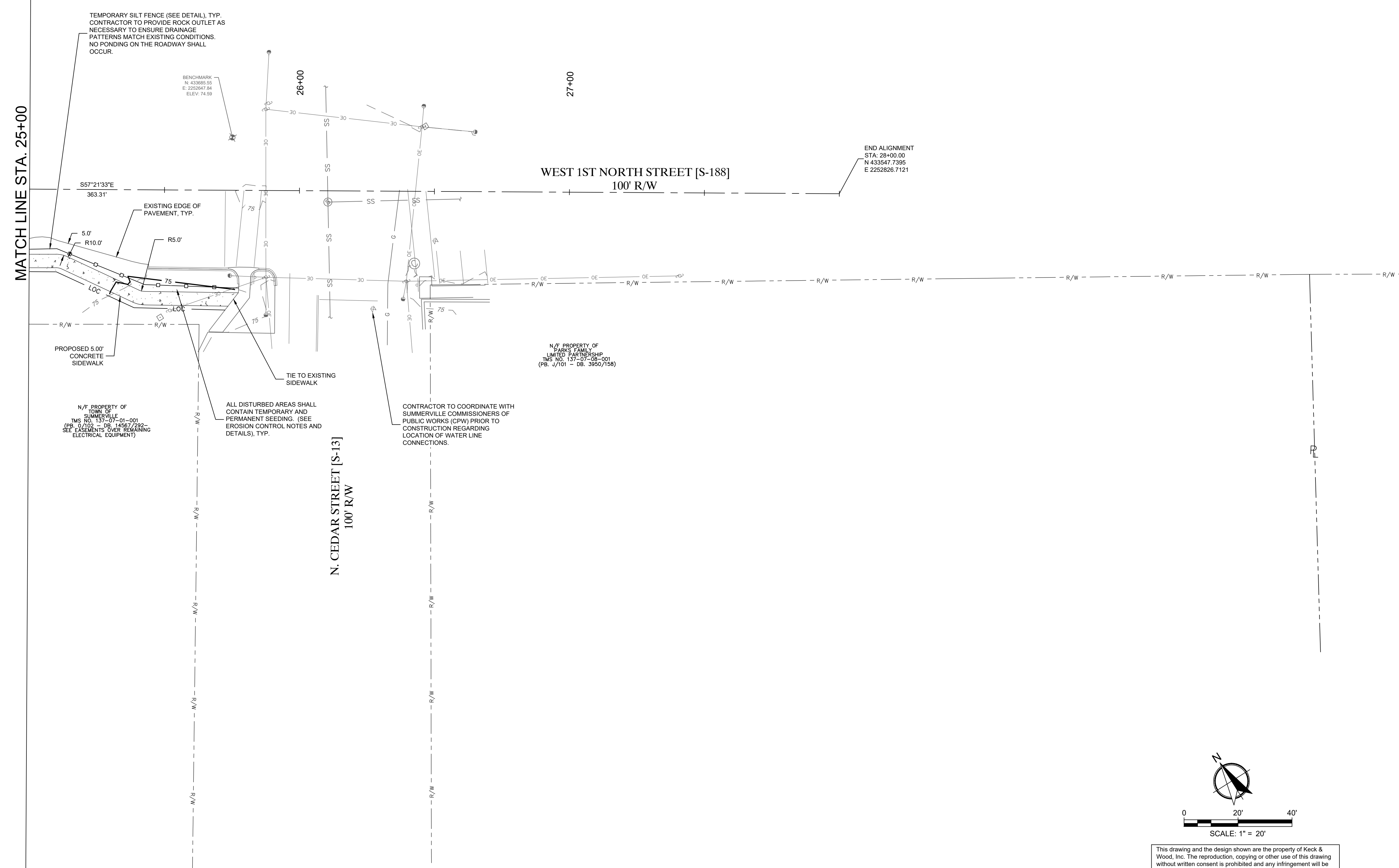
NO.	DATE	REVISION

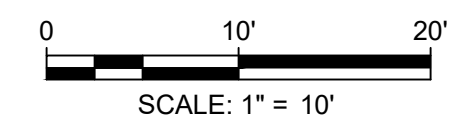
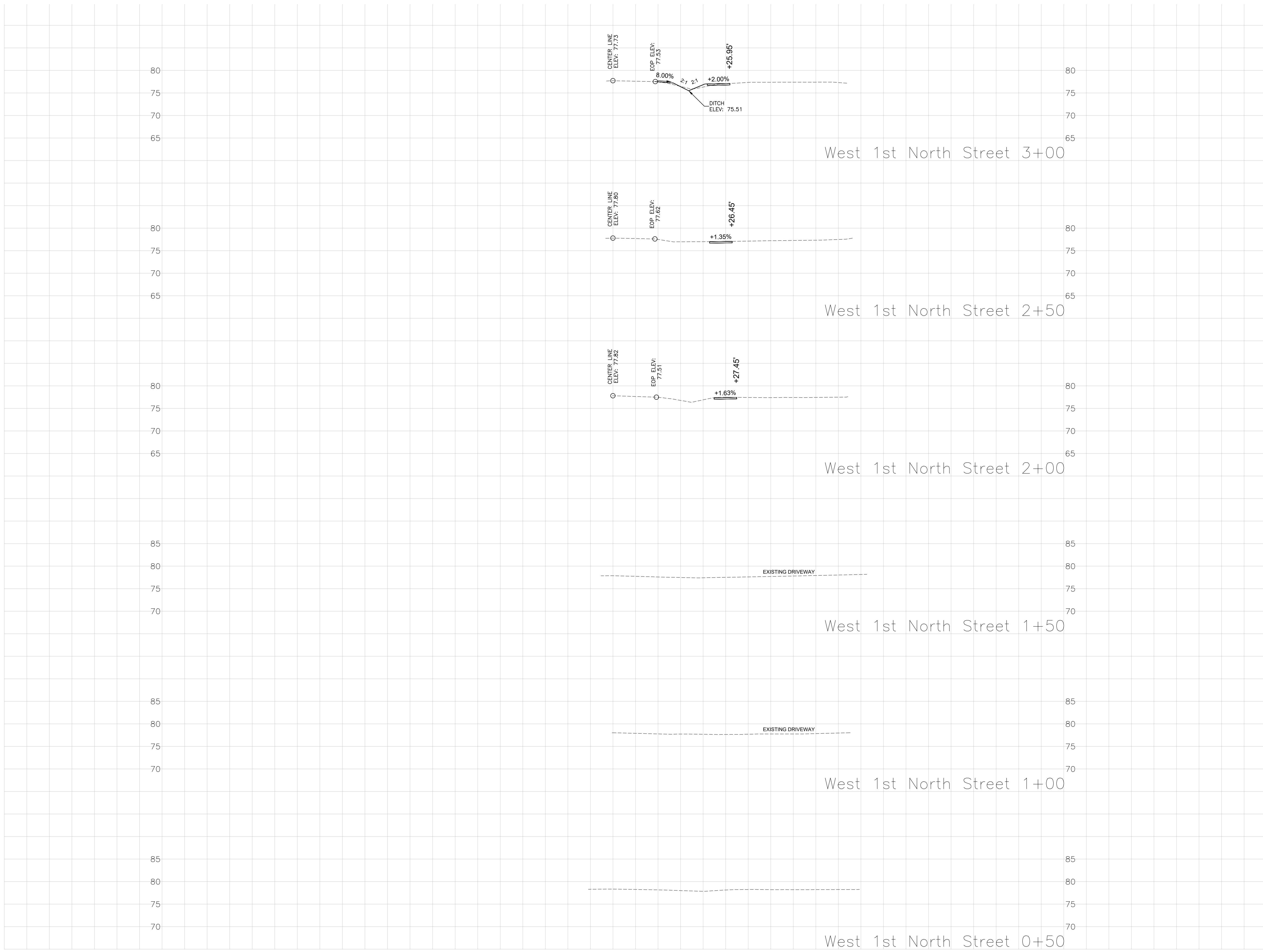
West First North Street Sidewalk
 Summerville, South Carolina
Proposed Conditions
 Station 25+00 to 28+00

BID SET

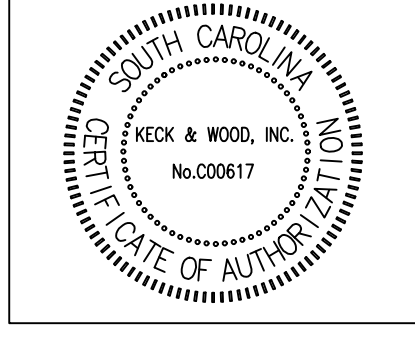
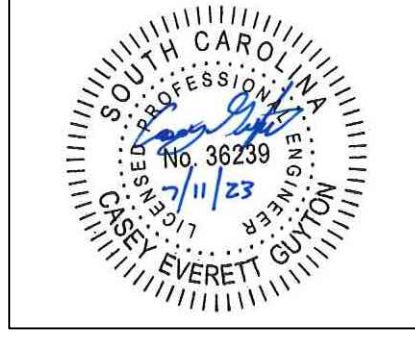
Project Manager:	
Drawn By:	Checked By:
CEG	MDC
Date:	7/11/2023
Scale:	AS SHOWN

Project No.:	220286
Drawing No.:	C-3.5





This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



NO.	DATE	REVISION

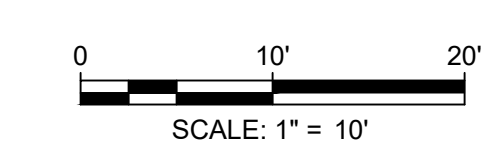
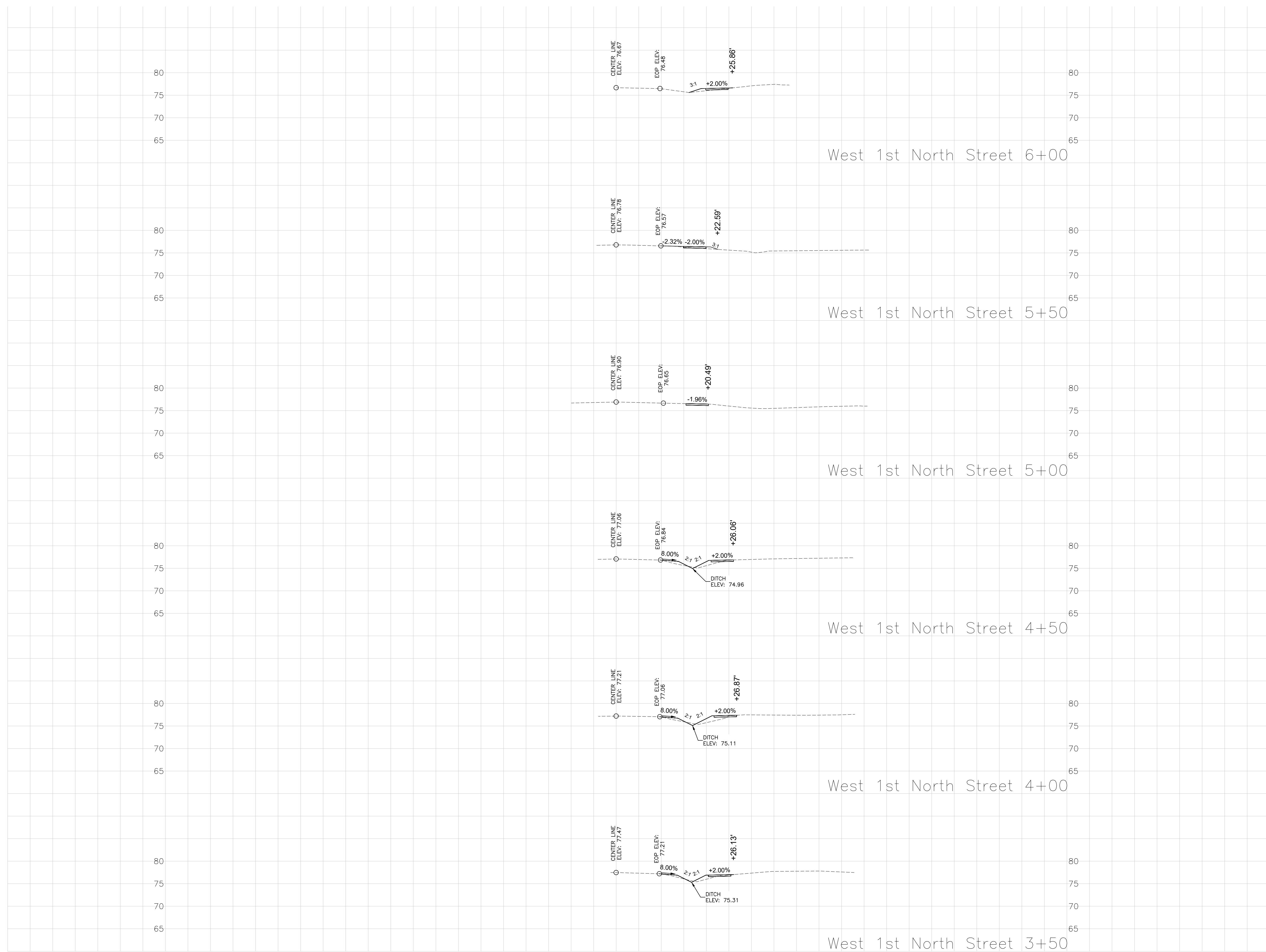
West First North Street Sidewalk
 Summerville, South Carolina
Cross Sections
 Station 0+50 to 3+00

BID SET

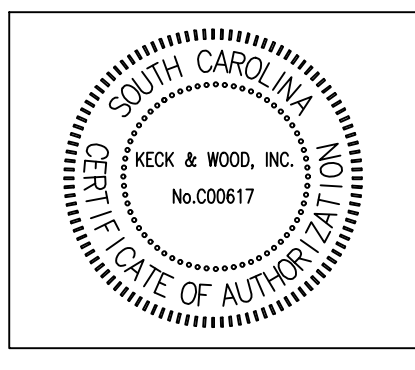
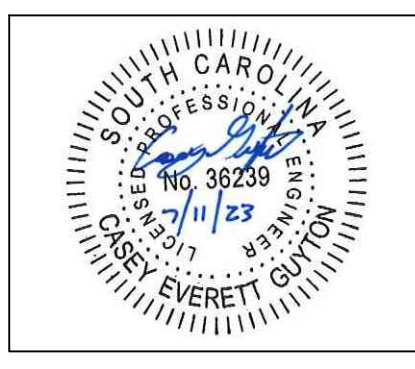
Project Manager:
CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-4.0

G:\Shared Drawings\2023\Projects\220286 - West First North St Sidewalk\CA\220286.dwg



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



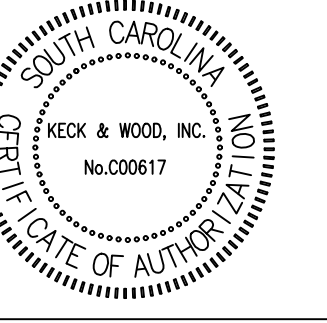
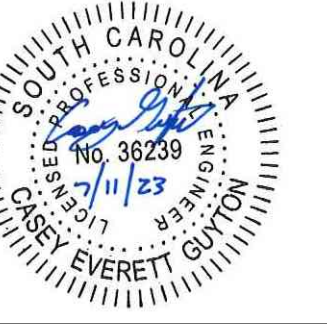
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Cross Sections
 Station 3+50 to 6+00

BID SET

Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-4.1



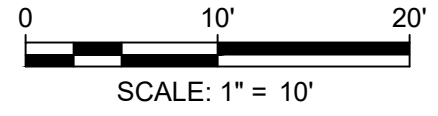
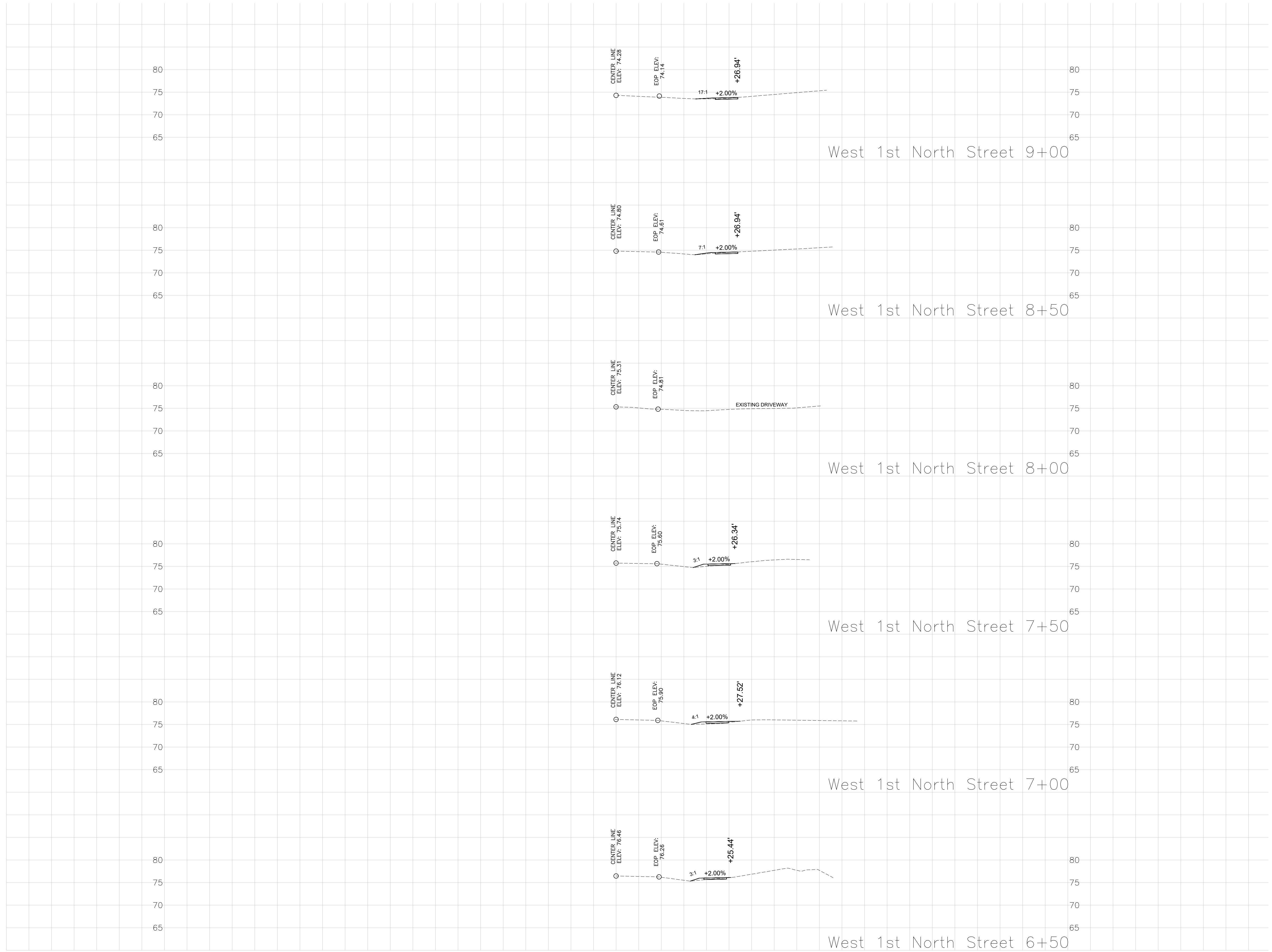
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Cross Sections
 Station 6+50 to 9+00

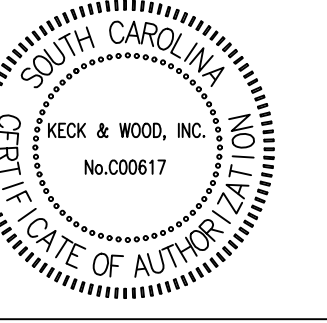
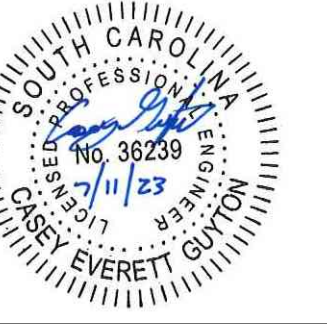
BID SET

Project Manager:	CEG
Drawn By:	CEG
Checked By:	MDC
Date:	7/11/2023
Scale:	AS SHOWN

Project No.:	220286
Drawing No.:	C-4.2



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



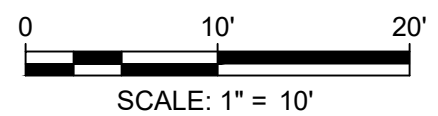
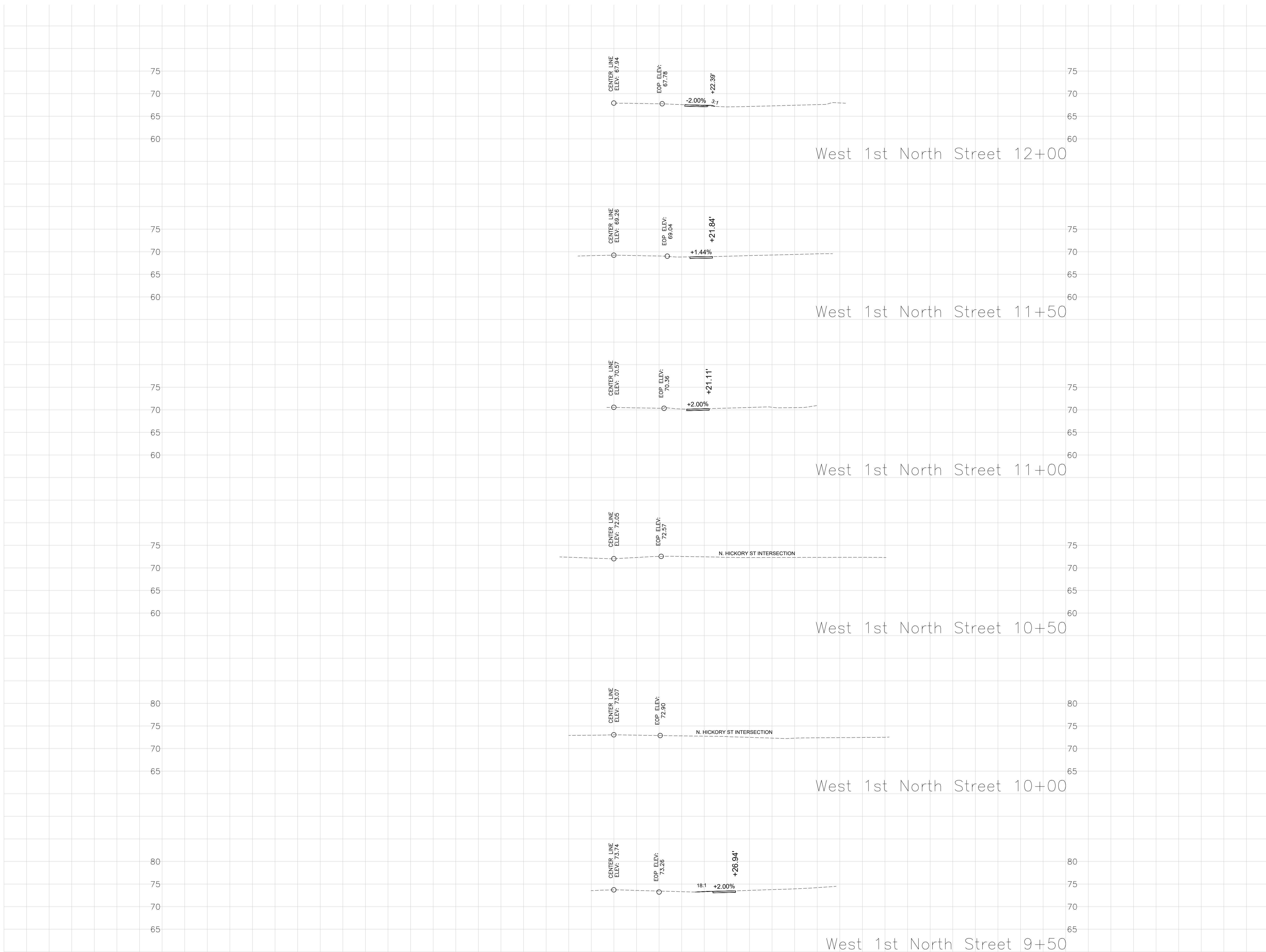
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Cross Sections
 Station 9+50 to 12+00

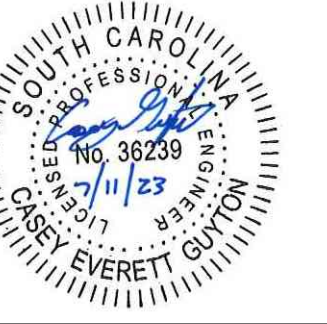
BID SET

Project Manager:
CEG
 Drawn By: **CEG** Checked By: **MDC**
 Date: 7/11/2023
 Scale: **AS SHOWN**

Project No.:
220286
 Drawing No.:
C-4.3



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



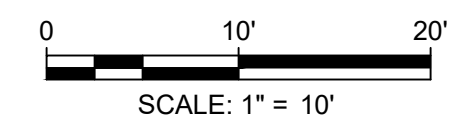
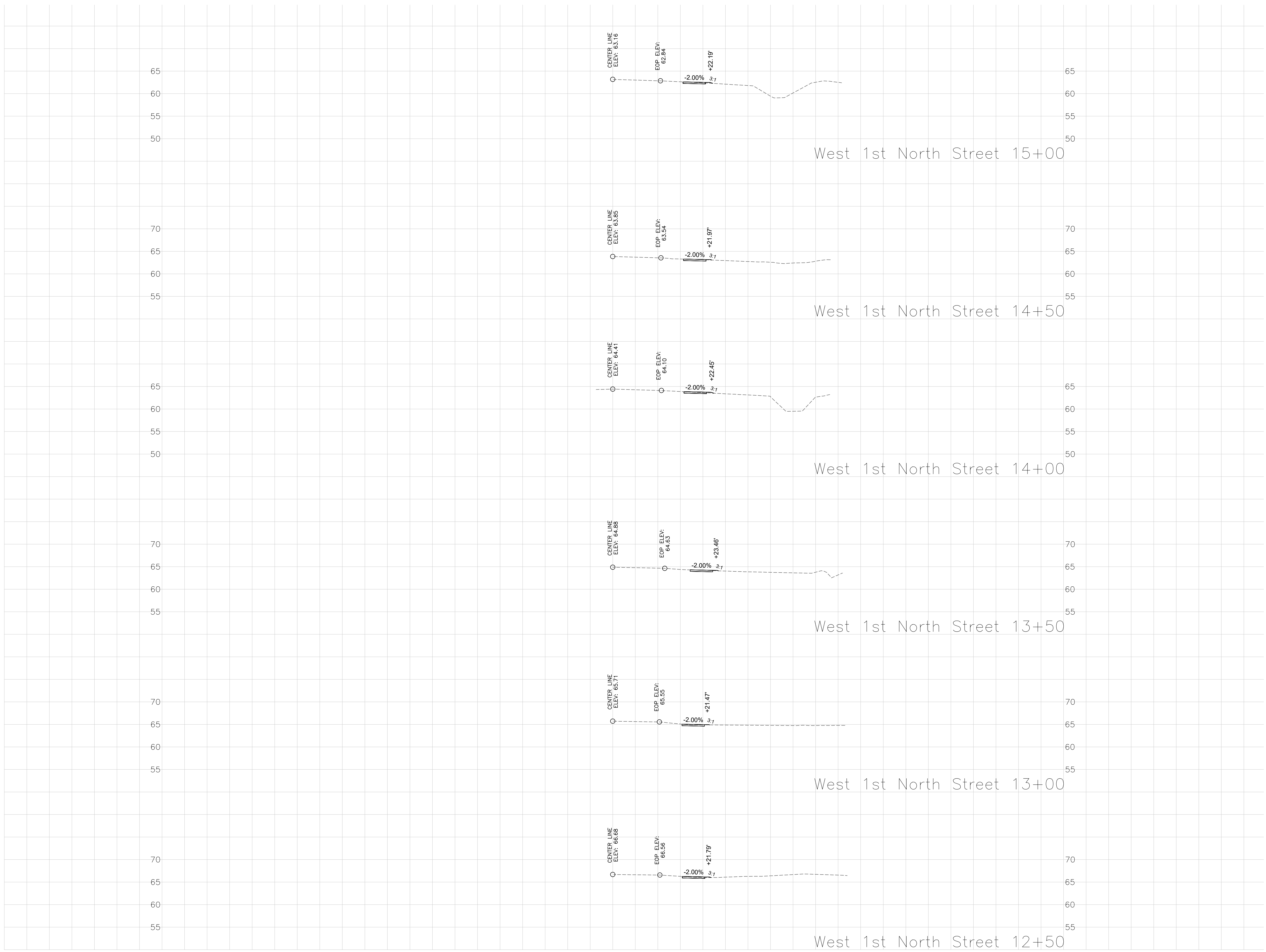
NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Cross Sections
Station 12+50 to 15+00

BID SET

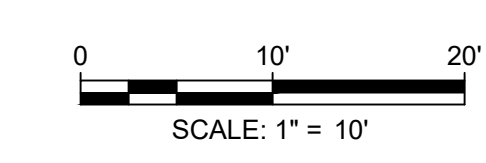
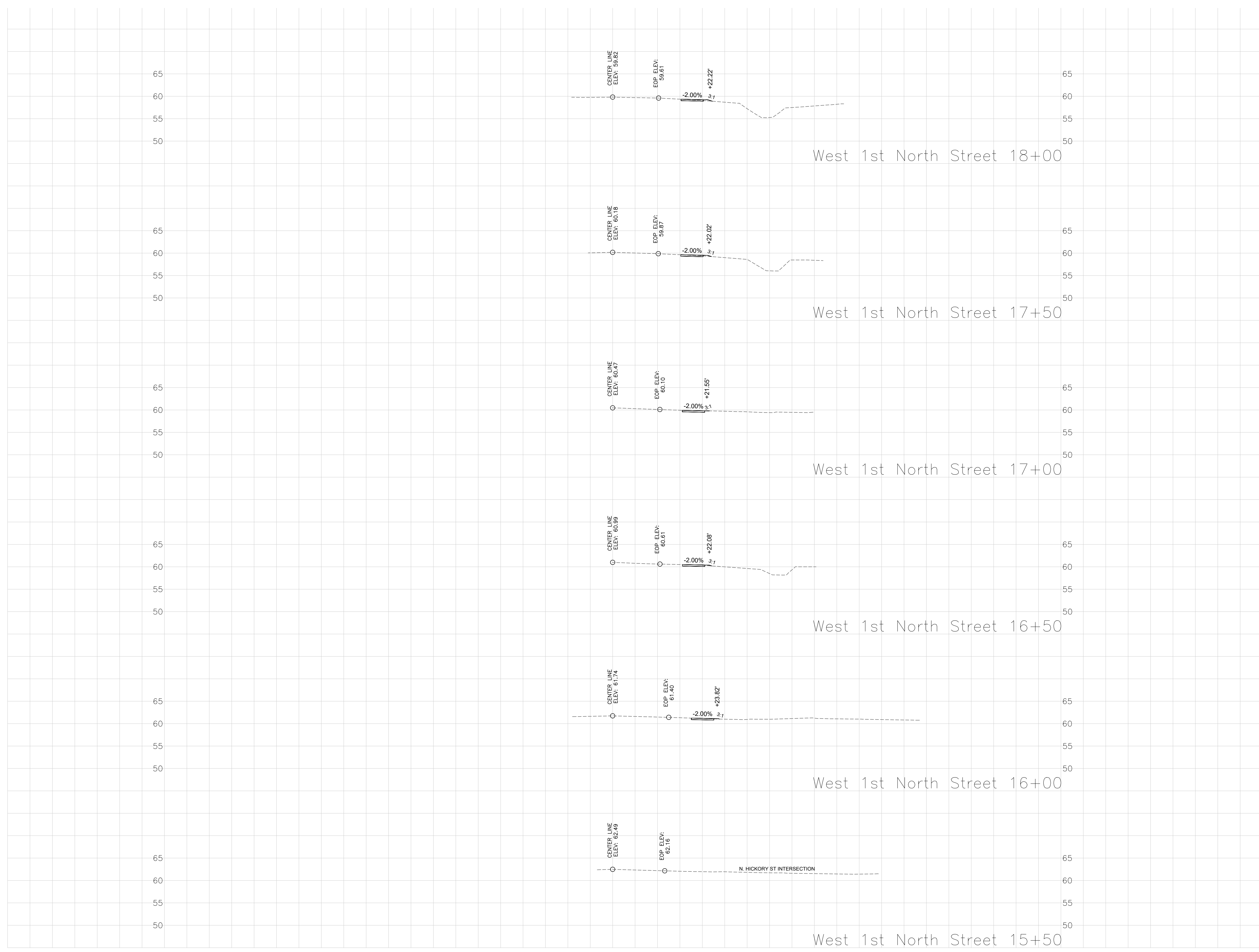
Project Manager:
CEG
Drawn By: CEG Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.:
220286
Drawing No.:
C-4.4

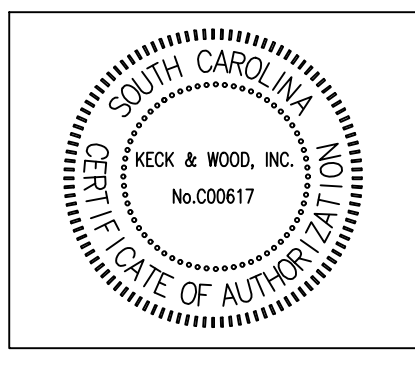
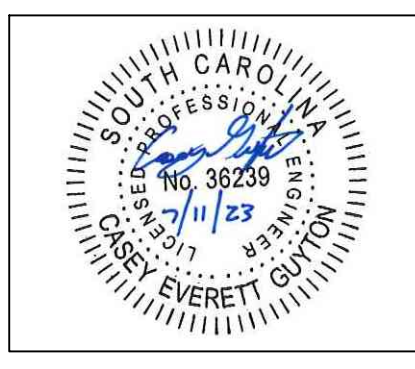


This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.

G:\Shared Drives\2023\Projects\220286 - West First North St Sidewalk\CA\220286.dwg



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.



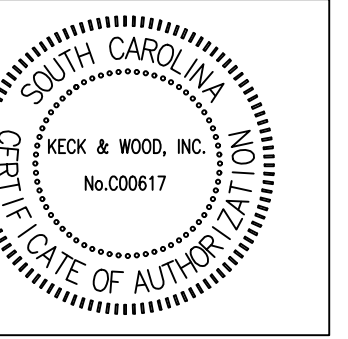
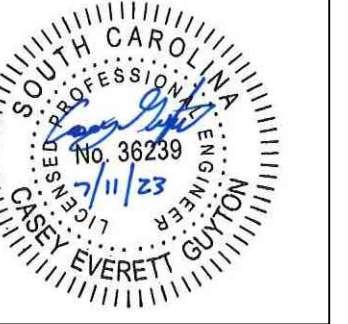
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Cross Sections
 Station 15+50 to 18+00

BID SET

Project Manager:
CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.: 220286
 Drawing No.: C-4.5



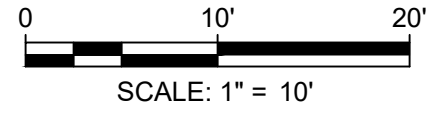
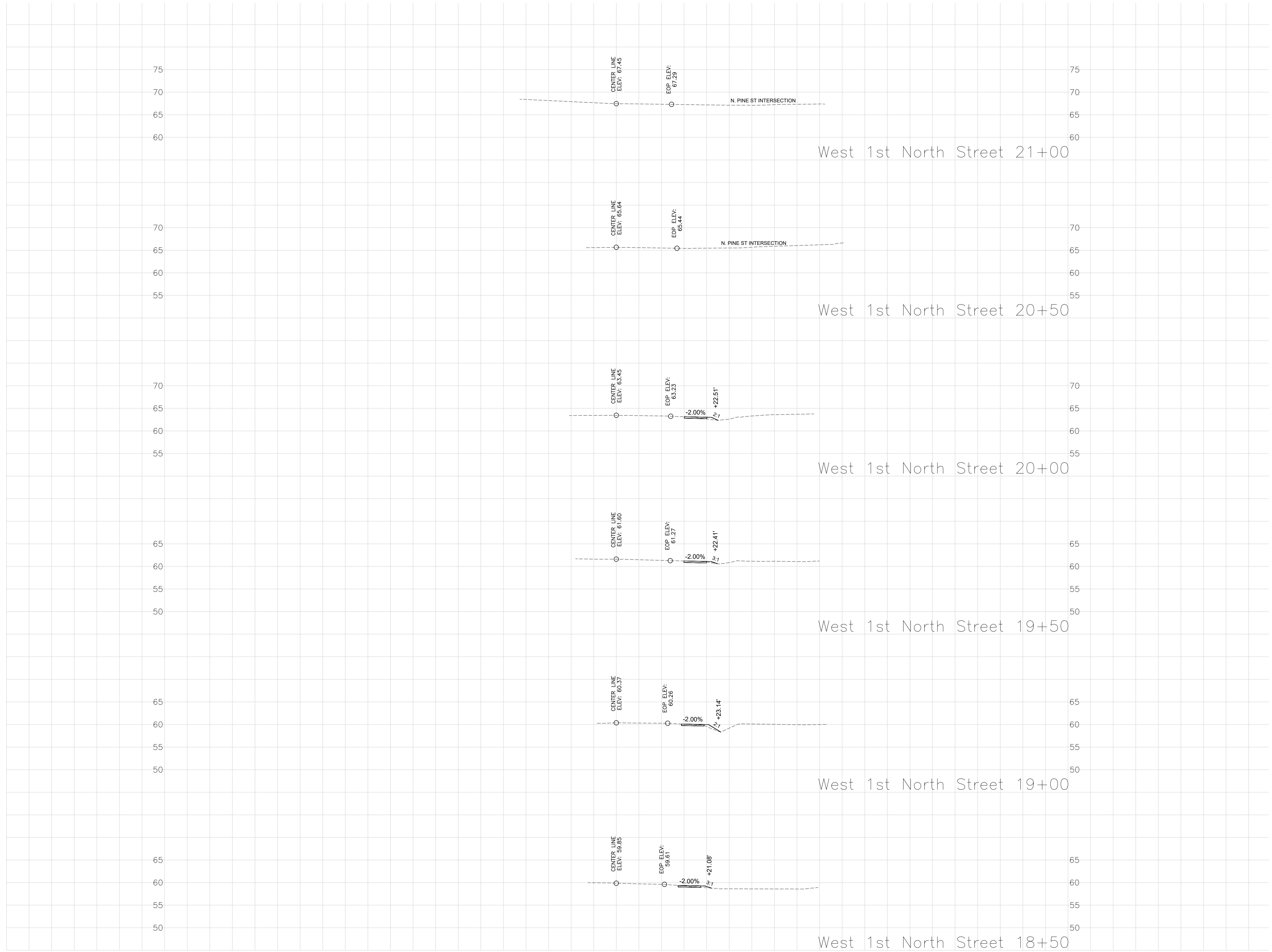
NO.	DATE	REVISION

West First North Street Sidewalk
 Summerville, South Carolina
Cross Sections
 Station 18+50 to 21+00

BID SET

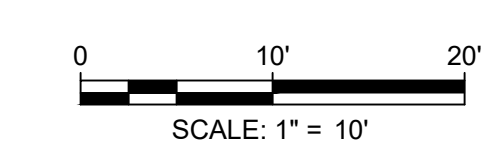
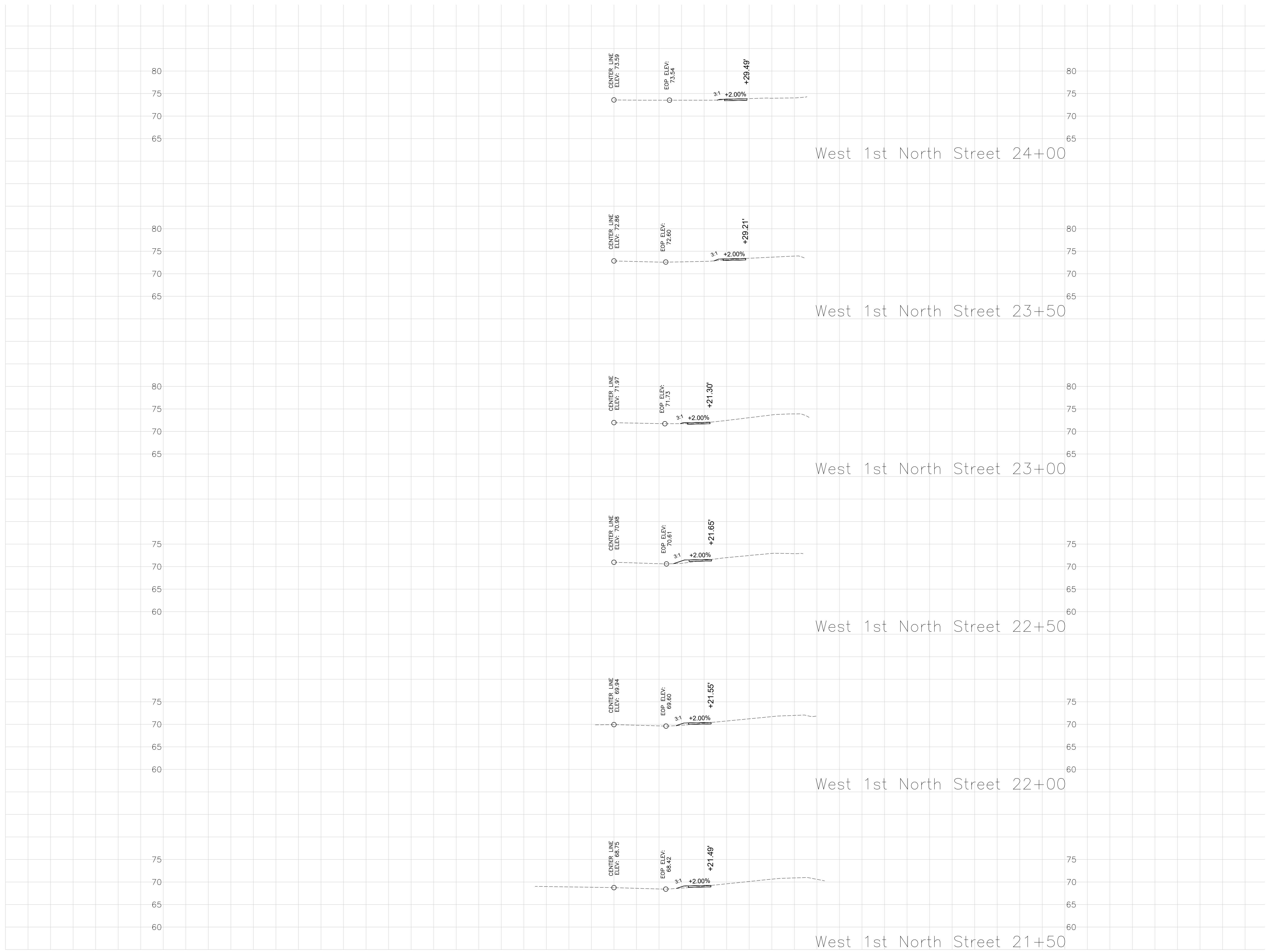
Project Manager:
 CEG
 Drawn By: CEG Checked By: MDC
 Date: 7/11/2023
 Scale: AS SHOWN

Project No.:
220286
 Drawing No.:
C-4.6

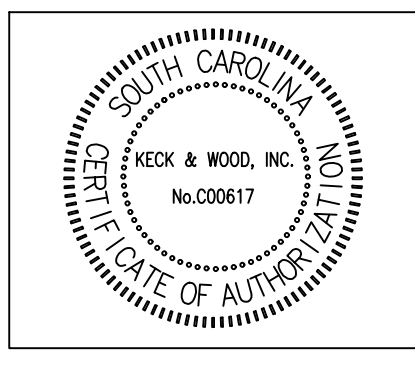
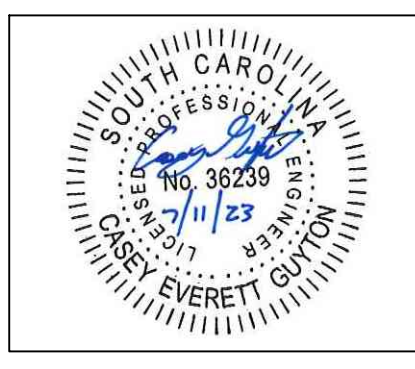


This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
 © 2023 Keck & Wood, Inc.

G:\Shared Drawings\2022\Projects\22086 - West First North St Sidewalk\CA\22086.dwg



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



NO.	DATE	REVISION

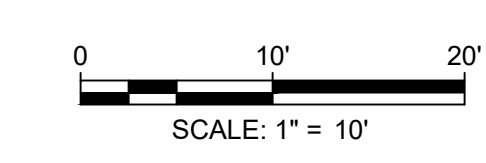
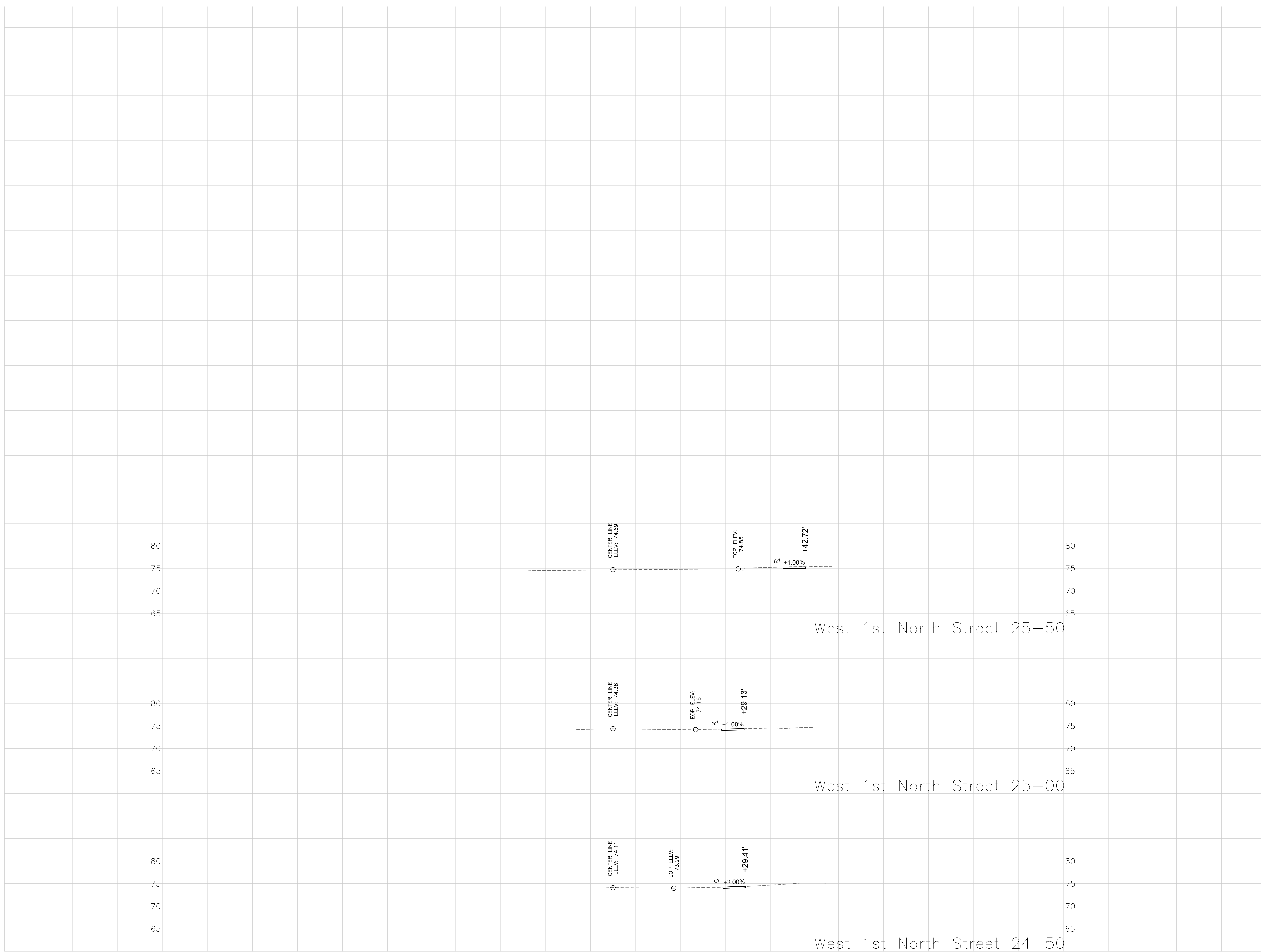
West First North Street Sidewalk
Summerville, South Carolina
Cross Sections
Station 21+50 to 24+00

BID SET

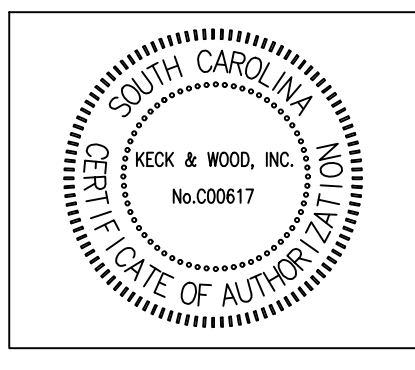
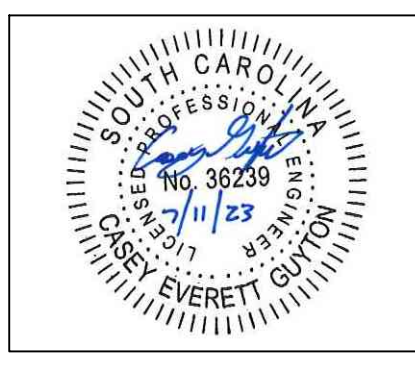
Project Manager:
CEG
Drawn By: CEG Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.:
220286
Drawing No.:
C-4.7

G:\Shared Drawings\2023\Projects\220286 - West First North St Sidewalk\CA\220286.dwg



This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.



NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina
Cross Sections
Station 24+50 to 26+50

BID SET

Project Manager:
CEG
Drawn By: CEG Checked By: MDC
Date: 7/11/2023
Scale: AS SHOWN

Project No.: 220286
Drawing No.: C-4.8

SEDIMENT TUBE INSTALLATION

2" x 2" wood stakes or 1.25 #/ft Steel Post

2.0' Spacing (Typical) Continuous Along Tube

SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150- FEET
2%	100- FEET
3%	75- FEET
4%	50- FEET
5%	40- FEET
6%	30- FEET
GREATER THAN 6%	25- FEET

PLAN SYMBOL

South Carolina Department of Health and Environmental Control
SEDIMENT TUBES
STANDARD DRAWING NO. SC-05 PAGE 1 of 2
FEBRUARY 2014
NOT TO SCALE

TYPE A - FILTER FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely affect its physical properties after installation.
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL) Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and laid in when the trench is backfilled.
- Filter fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter fabric shall be installed at a minimum of 24-inches above the ground.

TYPE A - POST REQUIREMENTS

- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weigh 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 3-feet on center.

TYPE A - INSPECTION & MAINTENANCE

- The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continuously monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
- Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Remove damaged fabric and install new filter fabric immediately.
- Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control

Type A
FILTER FABRIC INLET PROTECTION
STANDARD DRAWING NO. SC-07 PAGE 2 of 2
FEBRUARY 2014
GENERAL NOTES

SILT FENCE DETAIL

Installation
Excavate a trench approximately 6-inches wide and 6-inches deep when placing fabric by hand. Place 12-inches of geotextile fabric into the 6-inch deep trench, extending the remaining 6-inches towards the upslope side of the trench. Backfill the trench with soil or gravel and compact. Bury 12-inches of fabric into the ground when pneumatically installing silt fence with a slicing method. Purchase fabric in continuous rolls and cut to the length of the barrier to avoid joints. When joints are necessary, wrapped the fabric together at a support post with both ends fastened to the post, with a 6-inch minimum overlap. Install posts to a minimum depth of 24-inches. Install posts a minimum of 1- to 2- inches above the fabric, with no more than 3-feet of the post above the ground. Space posts to maximum 6-foot centers. Attach fabric to wood posts using staples made of heavy-duty wire at least 1 1/2-inch long, spaced a maximum of 6-inches apart. Staple a 2-inch wide lath over the filter fabric to securely fasten it to the upslope side of wooden posts. Attach fabric to the steel posts using heavy-duty plastic ties that are evenly spaced and placed in a manner to prevent sagging or tearing of the fabric. In call cases, ties should be affixed in no less than 4 places. Install the fabric a minimum of 24-inches above the ground. When necessary, the height of the fence above ground may be greater than 24-inches. In tidal areas, extra silt fence height may be required. The post height will be twice the exposed post height. Post spacing will remain the same and extra height fabric will be 4-, 5-, or 6-foot tall. Locate silt fence checks every 100 feet maximum and at low points. Install the fence perpendicular to the direction of flow and place the fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.

Inspection and Maintenance
Inspect every seven calendar days and within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation. Check for sediment buildup and fence integrity. Check where runoff has eroded a channel beneath the fence, or where the fence has sagged or collapsed by fence overtopping. If the fence fabric tears, begins to decompose, or in any way becomes ineffective, replace the section of fence immediately. Remove sediment accumulated along the fence when it reaches 1/3 the height of the fence, especially if heavy rains are expected. Remove trapped sediment from the site or stabilize it on site. Remove silt fence within 30 days after final stabilization is achieved or after temporary best management practices (BMPs) are no longer needed. Permanently stabilize disturbed areas resulting from fence removal.

South Carolina Department of Health and Environmental Control

SILT FENCE
STANDARD DRAWING NO. SC-03 Page 3 of 3
FEBRUARY 2014
APPROVED BY: [Signature] DATE:

Keck+Wood
COLLABORATION BY DESIGN
300 Technology Center Way, Suite 400
Rock Hill, SC 29730
(803) 766-5200
keckwood.com

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 39235
CAREY EVERETT GUYTON

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 000617
KECK & WOOD, INC.
DATE OF AUTHORIZATION:

ED 1 SEDIMENT TUBES 1 OF 2

ED 4 INLET PROTECTION 2 OF 2

ED 7 SILT FENCE 3 OF 3

SEDIMENT TUBES - GENERAL NOTES

- Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
- Sediment tubes are elongated tubes of compacted geotextiles, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
- The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
- Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
- Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
- Sediment tubes should be staked using wooden stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot at a minimum of 48-inches in length placed on 2-foot centers).
- Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
- The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
- Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
- Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
- Sediment tubes should continue up the side slopes a minimum of 1-foot above the design flow depth of the channel.
- Install stakes at a diagonal facing incoming runoff.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

- The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of sediment tubes shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continuously monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the sediment tube.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Large debris, trash, and leaves should be removed from in front of the sediment tube, when found.
- If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
- Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

South Carolina Department of Health and Environmental Control

SEDIMENT TUBES
STANDARD DRAWING NO. SC-05 PAGE 2 of 2
FEBRUARY 2014
GENERAL NOTES

SILT FENCE INSTALLATION

1.25 LB./LINEAR FT. STEEL POSTS

WHERE CONTRIBUTING SLOPES EXCEED 3%, "WIRE BACKED" SILT FENCING IS REQUIRED

MAXIMUM SPACING = 6 FT.

BACKFILL TRENCH WITH COMPACTED EARTH

USE EITHER FLAT-BOTTOM OR V-BOTTOM TRENCH SEE DETAILS

HEAVY DUTY PLASTIC TIE FOR STEEL POSTS (RESTRICT TO TOP 8-INCHES OF FABRIC)

BURY FABRIC

FLAT-BOTTOM TRENCH DETAIL

18-IN. TO 24-IN.

24-IN. (MINIMUM)

V-SHAPED TRENCH DETAIL

18-IN. TO 24-IN.

24-IN. (MINIMUM)

BURY FILTER FABRIC AT LEAST 12-INCHES

South Carolina Department of Health and Environmental Control

SILT FENCE
STANDARD DRAWING NO. SC-03 Page 1 of 3
FEBRUARY 2014
NOT TO SCALE

ELEVATION - UP-SLOPE FACE

SECTION A-A

6" MIN. THICKNESS ASHFTO #57 STONE FACE ON UPSTREAM SIDE

1.5 (MAX)

1.5 (MAX)

1.5 (MAX)

FLOW

6" DIA. RSP-RAP

6" DIA. RSP-RAP

6" DIA. RSP-RAP

NOTES:

- WASHED STONE (#57) TO BE REMOVED AND REPLACED ONCE IT BECOMES CLOGGED WITH SEDIMENT.
- SEDIMENT TO BE REMOVED WHEN ACCUMULATIONS REACH 1/3 HEIGHT OF SILT FENCE
- THE KEY TO FUNCTIONAL ROCK OUTLETS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control

SILT FENCE ROCK OUTLET
STANDARD DRAWING NO. SC-14 PAGE 1 of 1
FEBRUARY 2014
APPROVED BY: [Signature] DATE:

ED 2 SEDIMENT TUBES 2 OF 2

ED 5 SILT FENCE 1 OF 3

ED 8 SILT FENCES STONE OUTLET

POST INSTALLATION DETAIL

24-IN. MIN.

3-FT. MAX. SPACING

FILTER FABRIC INSTALLATION DETAIL

18-IN. TO 24-IN.

48-IN. MIN.

8-IN. MIN.

ATTACH FILTER FABRIC TO POSTS WITH HEAVY DUTY PLASTIC TIES ALONG TOP 8-INCHES OF FABRIC.

FOLD FABRIC TO OVERLAP 1 FOOT AND SECURE TO POSTS WITH HEAVY DUTY PLASTIC TIES

BURY FABRIC (SEE DETAIL)

PLAN SYMBOL

South Carolina Department of Health and Environmental Control

Type A
FILTER FABRIC INLET PROTECTION
STANDARD DRAWING NO. SC-07 PAGE 1 of 2
FEBRUARY 2014
NOT TO SCALE

SILT FENCE DETAIL

When and Where to Use It
Silt fence is applicable in areas:
Where the maximum sheet or overlaid flow path length to the fence is 100-feet.
Where the maximum slope steepness (normal [perpendicular] to fence line) is 2H:1V.
That do not receive concentrated flows greater than 0.5 cfs.

Do not place silt fence across channels or use it as a velocity control BMP.

Materials

Steel Posts
Use 48-inch long steel posts that meet the following minimum physical requirements:
Composed of high strength steel with minimum yield strength of 50,000 psi.
Have a standard "T" section with a nominal face width of 1.38-inches and nominal "T" length of 1.48-inches.
Weigh 1.25 pounds per foot (± 8%).
Have a soil stabilization plate with a minimum cross section area of 17-square inches attached to the steel posts.
Painted with a water based baked enamel paint.

Use steel posts with a minimum length of 4-feet, weighing 1.25 pounds per linear foot (± 8%) with projections to aid in fastening the fabric. Except when heavy clay soils are present on site, steel posts will have a metal soil stabilization plate welded near the bottom such that when the post is driven to the proper depth, the plate will be below the ground level for added stability.
The soil plates should have the following characteristics:
Be composed of minimum 15 gauge steel.
Have a minimum cross section area of 17-square inches.

Geotextile Filter Fabric
Filter fabric is:
Composed of fibers consisting of long chain synthetic polymers composed of at least 85% by weight of polyolefins, polyesters, or polyamides. Formed into a network such that the filaments or yarns retain dimensional stability relative to each other. Free of any treatment or coating which might adversely affect its physical properties after installation. Free of any defects or flaws that significantly affect its physical and/or filtering properties. Cut to a minimum width of 36 inches.

Use only fabric appearing on SCDOT Approval Sheet #34 meeting the requirements of the most current edition of the SCDOT Standard Specifications for Highway Construction.

South Carolina Department of Health and Environmental Control

SILT FENCE
STANDARD DRAWING NO. SC-03 Page 2 of 3
FEBRUARY 2014
APPROVED BY: [Signature] DATE:

This drawing and the design shown are the property of Keck & Wood, Inc. The reproduction, copying or other use of this drawing without written consent is prohibited and any infringement will be subject to legal action.
© 2023 Keck & Wood, Inc.

ED 3 INLET PROTECTION 1 OF 2

ED 6 SILT FENCE 2 OF 3

NO.	DATE	REVISION

West First North Street Sidewalk
Summerville, South Carolina

Erosion Control Details

BID SET

Project Manager:
CEG

Drawn By: CEG Checked By: MDC

Date: 7/11/2023

Scale: AS SHOWN

Project No.: 220286

Drawing No.: C-5.0

G:\Shared_Drives\2023\Projects\220286 - West First North St Sidewalk\CAD\220286.dwg