

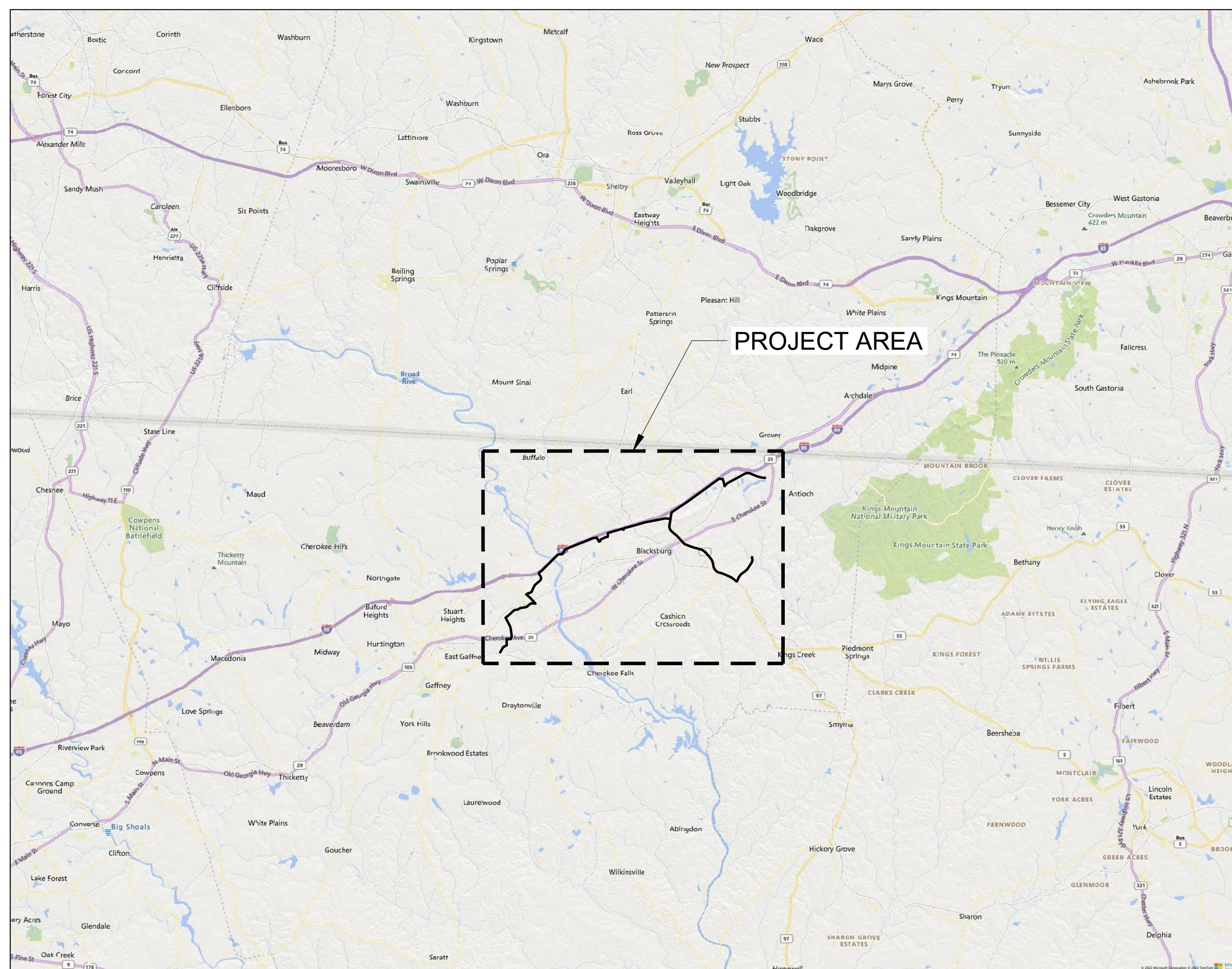
# GAFFNEY BOARD OF PUBLIC WORKS

## PROJECT GATEWAY VOLUME 2A: COLLECTIONS

60% SUBMITTAL

JUNE 2022

B&V PROJECT NO. 410381



LOCATION MAP



Gaffney, South Carolina

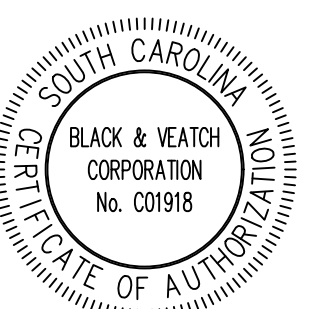
# BPW

Board of Public Works



**BLACK & VEATCH**  
Building a world of difference.

Black & Veatch Corporation  
Greenville, South Carolina



PRELIMINARY - NOT FOR CONSTRUCTION

SUBCONSULTANT:

GAFFNEY  
BOARD OF  
PUBLIC WORKS

PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

PRELIMINARY  
NOT FOR  
CONSTRUCTION

REVISIONS AND RECORD OF ISSUE

DESIGNED:	LDP
DETAILED:	FLL
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

GENERAL

INDEX OF DRAWINGS

G-00-001

XXX  
OF  
XXX

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VOLUME 2 SHEET LIST

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<u>GENERAL</u>		
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1	G-00-001	INDEX OF DRAWINGS
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21	C-02-017	SEGMENT 2- PLAN AND PROFILE STA 130+00 TO STA 140+00
22	C-02-018	SEGMENT 2- PLAN AND PROFILE STA 140+00 TO STA 150+00
23	C-02-019	SEGMENT 2- PLAN AND PROFILE STA 150+00 TO STA 160+00
24	C-02-020	SEGMENT 2- PLAN AND PROFILE STA 160+00 TO STA 170+00
25	C-02-021	SEGMENT 2- PLAN AND PROFILE STA 170+00 TO STA 180+00
26	C-02-022	SEGMENT 2- PLAN AND PROFILE STA 180+00 TO STA 190+00
27	C-02-023	SEGMENT 2- PLAN AND PROFILE STA 190+00 TO STA 200+00
28	C-02-024	SEGMENT 2- PLAN AND PROFILE STA 200+00 TO STA 210+00
29	C-02-025	SEGMENT 2- PLAN AND PROFILE STA 210+00 TO STA 220+00
30	C-02-026	SEGMENT 2- PLAN AND PROFILE STA 220+00 TO STA 230+00
31	C-02-027	SEGMENT 2- PLAN AND PROFILE STA 230+00 TO STA 240+00
32	C-02-028	SEGMENT 2- PLAN AND PROFILE STA 240+00 TO STA 250+00
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35	C-02-031	SEGMENT 2- PLAN AND PROFILE STA 270+00 TO STA 280+00
36	C-02-032	SEGMENT 2- PLAN AND PROFILE STA 280+00 TO STA 290+00
37	C-02-033	SEGMENT 2- PLAN AND PROFILE STA 290+00 TO STA 300+00
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39	C-02-035	SEGMENT 2- PLAN AND PROFILE STA 310+00 TO STA 320+00
40	C-02-036	SEGMENT 2- PLAN AND PROFILE STA 320+00 TO STA 330+00
41	C-02-037	SEGMENT 2- PLAN AND PROFILE STA 330+00 TO STA 340+00
42	C-02-038	SEGMENT 2- PLAN AND PROFILE STA 340+00 TO STA 350+00
43	C-02-039	SEGMENT 2- PLAN AND PROFILE STA 350+00 TO STA 356+83
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51	C-03-047	SEGMENT 3- PLAN AND PROFILE STA 70+00 TO STA 80+00
52	C-03-048	SEGMENT 3- PLAN AND PROFILE STA 80+00 TO STA 83+74.60
53	C-04-049	SEGMENT 4- PLAN AND PROFILE STA 0+00 TO STA 10+00
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57	C-04-053	SEGMENT 4- PLAN AND PROFILE STA 40+00 TO STA 50+00
58	C-04-054	SEGMENT 4- PLAN AND PROFILE STA 50+00 TO STA 60+00
59	C-04-055	SEGMENT 4- PLAN AND PROFILE STA 60+00 TO STA 70+00
60	C-04-056	SEGMENT 4- PLAN AND PROFILE STA 70+00 TO STA 80+00
61	C-04-057	SEGMENT 4- PLAN AND PROFILE STA 80+00 TO STA 90+00
62	C-04-058	SEGMENT 4- PLAN AND PROFILE STA 90+00 TO STA 100+00
63	C-04-059	SEGMENT 4- PLAN AND PROFILE STA 100+00 TO STA 110+00
64	C-04-060	SEGMENT 4- PLAN AND PROFILE STA 110+00 TO STA 120+00
65	C-04-061	SEGMENT 4- PLAN AND PROFILE STA 120+00 TO STA 130+00
66	C-04-062	SEGMENT 4- PLAN AND PROFILE STA 130+00 TO STA 140+00
67	C-04-063	SEGMENT 4- PLAN AND PROFILE STA 140+00 TO STA 150+00
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69	C-04-065	SEGMENT 4- PLAN AND PROFILE STA 160+00 TO STA 170+00
70	C-04-066	SEGMENT 4- PLAN AND PROFILE STA 170+00 TO STA 180+00
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74	C-04-070	SEGMENT 4- PLAN AND PROFILE STA 210+00 TO STA 220+00
75	C-05-071	SEGMENT 5- PLAN AND PROFILE STA 0+00 TO STA 10+00
76	C-05-072	SEGMENT 5- PLAN AND PROFILE STA 10+00 TO STA 20+00
77	C-05-073	SEGMENT 5- PLAN AND PROFILE STA 20+00 TO STA 30+00
78	C-05-074	SEGMENT 5- PLAN AND PROFILE STA 30+00 TO STA 40+00
79	C-05-075	SEGMENT 5- PLAN AND PROFILE STA 40+00 TO STA 50+00
80	C-05-076	SEGMENT 5- PLAN AND PROFILE STA 50+00 TO STA 60+00
81	C-05-077	SEGMENT 5- PLAN AND PROFILE STA 60+00 TO STA 70+00
82	C-05-078	SEGMENT 5- PLAN AND PROFILE STA 70+00 TO STA 80+00
83	C-05-079	SEGMENT 5- PLAN AND PROFILE STA 80+00 TO STA 84+29
84	C-06-080	SEGMENT 6- PLAN AND PROFILE STA 0+00 TO STA 10+00
85	C-06-081	SEGMENT 6- PLAN AND PROFILE STA 10+00 TO STA 20+00

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87	C-06-083	SEGMENT 6- PLAN AND PROFILE STA 30+00 TO STA 40+00
88	C-06-084	SEGMENT 6- PLAN AND PROFILE STA 40+00 TO STA 44+87
89	C-07-085	SEGMENT 7- PLAN AND PROFILE STA 0+00 TO STA 10+00
90	C-07-086	SEGMENT 7- PLAN AND PROFILE STA 10+00 TO STA 20+00
91	C-07-087	SEGMENT 7- PLAN AND PROFILE STA 20+00 TO STA 30+00
92	C-07-088	SEGMENT 7- PLAN AND PROFILE STA 30+00 TO STA 40+00
93	C-07-089	SEGMENT 7- PLAN AND PROFILE STA 40+00 TO STA 50+00
94	C-07-090	SEGMENT 7- PLAN AND PROFILE STA 50+00 TO STA 60+00
95	C-07-091	SEGMENT 7- PLAN AND PROFILE STA 60+00 TO STA 70+00
96	C-07-092	SEGMENT 7- PLAN AND PROFILE STA 70+00 TO STA 76+58
97	C-99-001	EROSION CONTROL DETAILS (1 OF 2)
98	C-99-002	EROSION CONTROL DETAILS (2 OF 2)
99	C-99-003	DETAILS (1 OF 3)
100	C-99-003	DETAILS (2 OF 3)
101	C-99-003	DETAILS (3 OF 3)
<u>STRUCTURAL</u>		
102	S-00-001	STANDARD NOTES
103	S-01-001	PLANS- PIERS-BROAD RIVER WWTP
104	S-01-002	PLANS- BRIDGE HANGING- VICTORY TRAIL ROAD (SC-329)
105	S-01-003	PLANS- BRIDGE HANGING- BLACKSBURG HIGHWAY (S-83)
106	S-03-001	PLANS- BRIDGE HANGING- N MOUNTAIN STREET (SC-5)
107	S-00-501	DETAILS

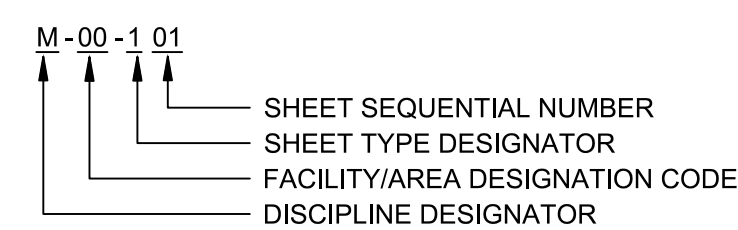
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# GENERAL ANNOTATION, SYMBOL, AND CALLOUT LEGENDS



Black & Veatch Corporation  
Greenville, South Carolina

## DRAWING NUMBERING SYSTEM



### DISCIPLINE DESIGNATORS

- A ARCHITECTURAL
- C CIVIL
- D DEMOLITION
- E ELECTRICAL
- F FIRE PROTECTION
- G GENERAL
- H HVAC/BUILDING MECHANICAL
- I INSTRUMENTATION AND CONTROLS
- L LANDSCAPE
- M PROCESS MECHANICAL
- P PLUMBING
- S STRUCTURAL

### AREA/FACILITY DESIGNATION CODES

REFER TO THE PROJECT SITE PLAN FOR AREA OR FACILITY DESIGNATIONS.

### SHEET TYPE DESIGNATORS

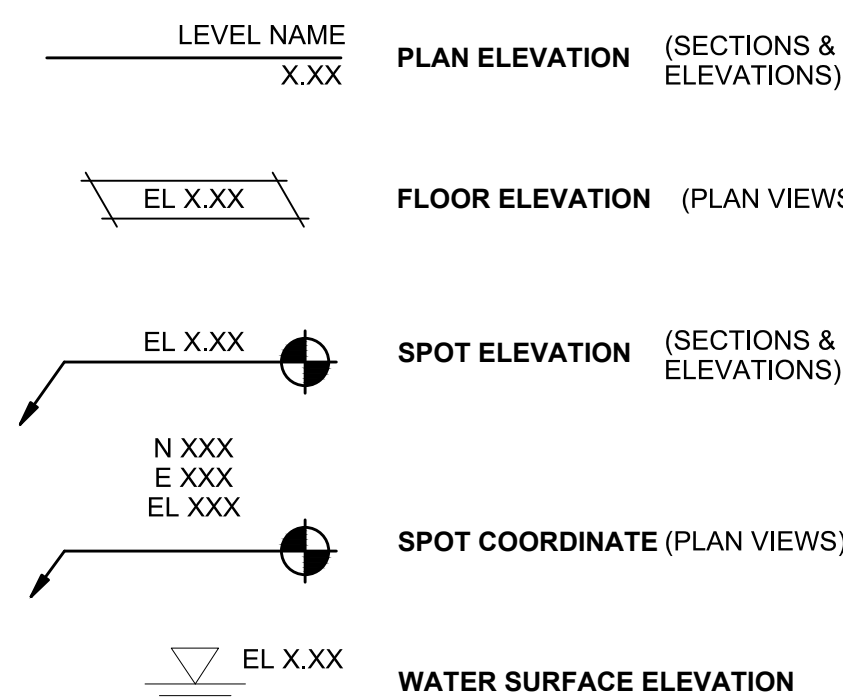
- 0 GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
- 1 PLANS (ARRANGEMENT PLANS, PARTIAL PLANS)
- 2 ELEVATIONS
- 3 SECTIONS
- 4 LARGE SCALE VIEWS (ENLARGED PLANS, STAIR SECTIONS OR SECTIONS THAT ARE NOT DETAILS)
- 5 DETAILS
- 6 SCHEDULES & DIAGRAMS
- 7 SCHEMATICS (ONE-LINES, BLOCK DIAGRAMS)
- 8 USER DEFINED
- 9 3D MODEL (PERSPECTIVES, ISOMETRICS, PHOTOGRAPHS)

## FILL PATTERNS

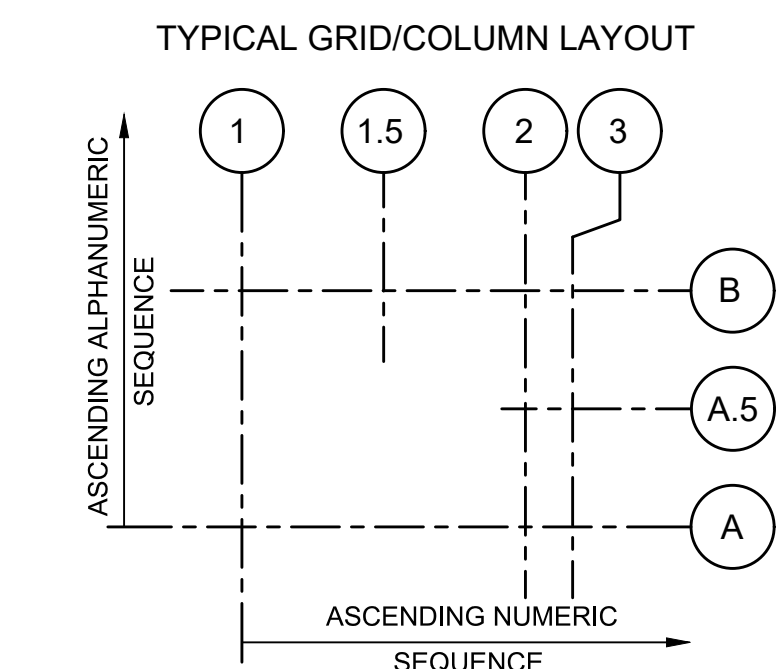
- EARTH OR GRADE
- BEDROCK
- GRANULAR FILL (CRUSHED ROCK OR GRAVEL)
- SAND
- CONCRETE
- ENGINEERED FILL
- RIPRAP
- STONE
- BRICK
- CMU
- FACE BLOCK
- CHECKERED PLATE
- GRATE
- STEEL
- ALUMINUM
- DEMOLITION

## ELEVATION & GRID CALLOUTS

### ELEVATION CALLOUTS



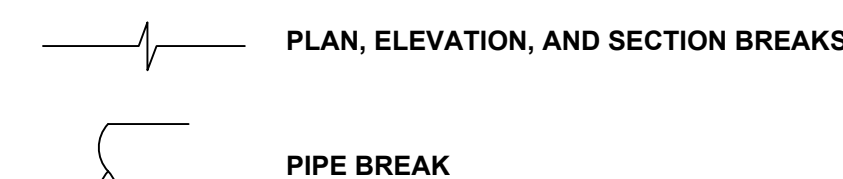
### GRID/COLUMN CALLOUTS



## LINE STYLES

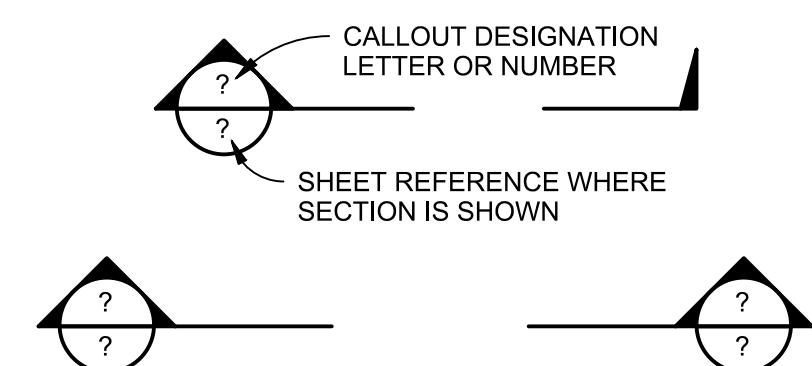
EXISTING FACILITY	_____
NEW FACILITY	_____
OTHER DISCIPLINE NEW FACILITY BACKGROUND	_____
GRID LINE OR CENTERLINE	-----
MATCH LINE	-----
EXAMPLE BOUNDARY LINE (SEE CIVIL LEGEND)	_____ PL _____
SILT FENCE LINE	_____ SF _____
EXISTING SEWER LINE (# = DIAMETER) (<-> FLOW)	----- #S -----
EXISTING STORM DRAIN CULVERT	----- X" RCP -----
EXISTING GAS LINE	----- G -----
EXISTING WATER LINE	----- WL -----
EXISTING UNDERGROUND TELEPHONE	----- UT -----
EXISTING OVERHEAD POWER	----- OHP -----

## BREAKS

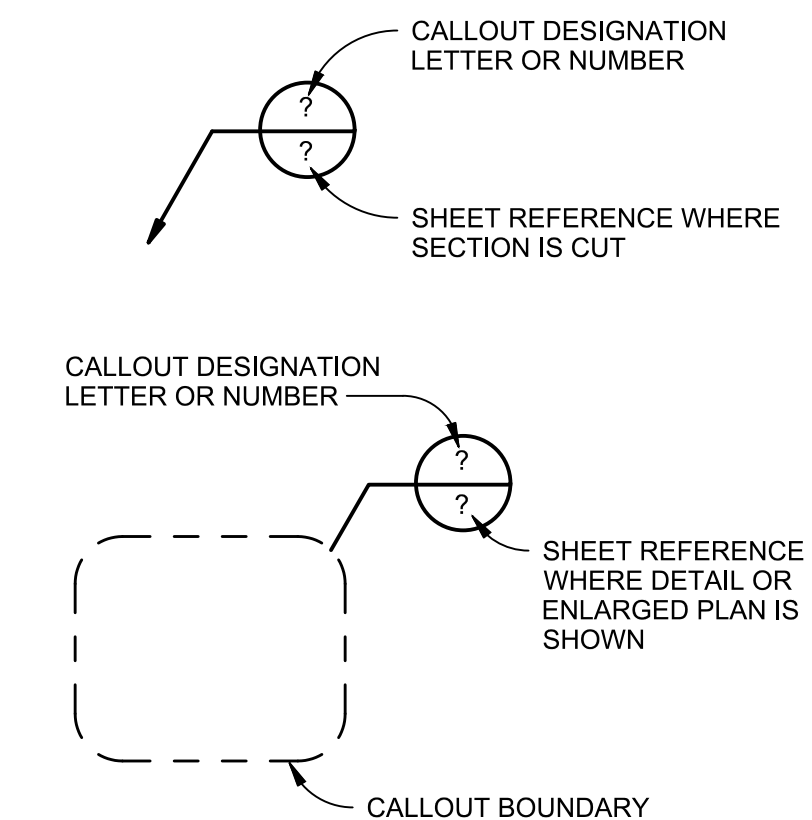


## VIEW CALLOUTS

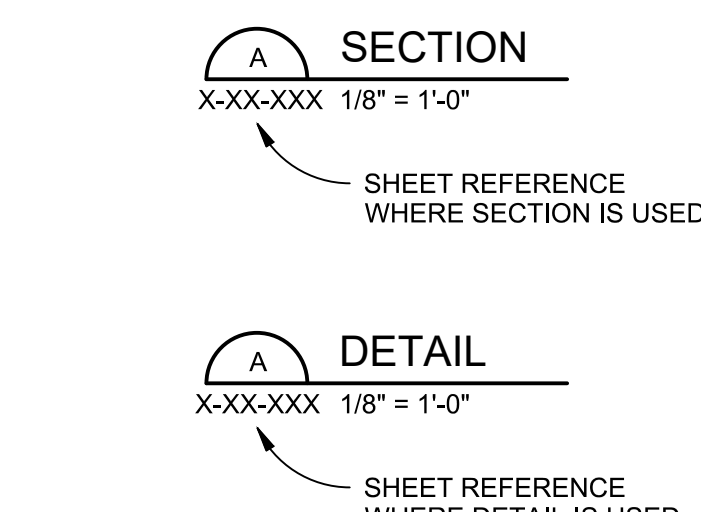
### SECTION CALLOUTS



### DETAIL/ENLARGED PLAN AREA CALLOUTS

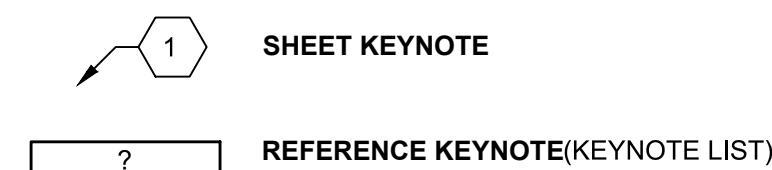


## SECTION & DETAIL VIEW TITLES

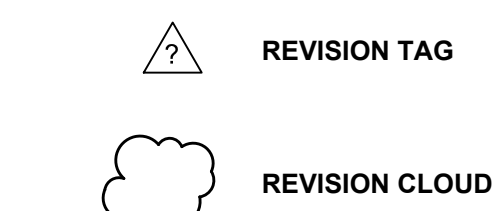


## ANNOTATION

### SHEET NOTES



### REVISIONS



## GENERAL NOTES

- SHEET G-00-003 IS COMPRISED OF STANDARD ABBREVIATIONS WHICH ARE PERTINENT TO THE CONDITIONS OF THIS SET OF DRAWINGS TO THE EXTENT APPLICABLE. ADDITIONAL OR SUPPLEMENTARY LEGENDS AND ABBREVIATIONS MAY APPEAR IN THIS SET OF DRAWINGS AND ARE TO PREVAIL IN LIEU OF SYMBOLS SHOWN ON THIS SHEET IN THE EVENT OF DIFFERENCES. SOME SYMBOLS, MATERIALS AND ABBREVIATIONS MAY NOT BE UTILIZED ON THIS SPECIFIC PROJECT.
- FIELD SURVEYS AND BASE MAPPING WERE PROVIDED BY VAUGHN & MELTON CONSULTING ENGINEERS, INC. ELEVATIONS ARE BASED ON USGS DATUM. SURVEY WAS COMPLETED IN (TO BE DETERMINED). CONTRACTOR SHALL BE AWARE THAT FIELD CONDITIONS MAY HAVE CHANGED AND SHOULD REVIEW SITE CONDITIONS ACCORDINGLY PRIOR TO BID.
- HORIZONTAL CONTROL: COORDINATES ARE IN THE SC STATE PLANE COORDINATE SYSTEM. COORDINATES ARE BASED ON NAD 1983 USGS DATUM.
- VERTICAL CONTROL: ELEVATIONS ARE BASED ON NAVD 88 USGS DATUM.
- WATER, GAS, TELEPHONE, ELECTRICAL, CABLE AND SEWER SERVICE CONNECTIONS HAVE NOT BEEN LOCATED AND ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH AND ALIGNMENT OF ALL EXISTING UTILITIES AT LEAST 400 FEET AHEAD OF THE PIPE TRENCH AND NOTIFY ENGINEER IF RELOCATION OF SERVICE LINES IS REQUIRED. ALL COSTS OF SUCH RELOCATION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CALL SC811 AT 811. CONTRACTOR SHALL ALSO NOTIFY THE UTILITY OWNERS OF ANTICIPATED WORK NEAR THEIR LINES. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN, AND IT SHALL BE THE "CONTRACTOR'S" RESPONSIBILITY TO VERIFY THE UTILITY LOCATIONS WITHIN THE LIMITS OF THIS WORK. ALL DAMAGES MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PERFORM TEST PITS TO LOCATE EXISTING UTILITIES AND CONFIRM DEPTHS PRIOR TO START OF WORK. CONTRACTOR SHALL ADOPT MEANS AND METHODS TO PROTECT THESE UTILITIES AND MINIMIZE DISRUPTION OF SERVICES. SHOULD UTILITY RELOCATION BE REQUIRED, CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY OWNER TO PERFORM RELOCATION. CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES BEFORE START OF WORK AND MAINTAIN COORDINATION DURING CONSTRUCTION.
- CONTRACTOR SHALL NOT ACCESS PROPERTY OUTSIDE OF RIGHT-OF-WAY, PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS WITHOUT WRITTEN PERMISSION FROM PROPERTY OWNER. CONTRACTORS SHALL PROVIDE TO ENGINEER A WRITTEN STATEMENT FROM PROPERTY OWNER THAT PROPERTY OWNER IS SATISFIED WITH "CONTRACTOR'S" REPAIR OF AFFECTED AREA OUTSIDE OF RIGHT-OF-WAY, PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
- CONTRACTOR SHALL CONTACT PROPERTY OWNERS 72-HOURS PRIOR TO WORKING IN RIGHT-OF-WAY, PERMANENT EASEMENTS, OR TEMPORARY CONSTRUCTION EASEMENTS ON THAT PROPERTY, AND TO SCHEDULE CONSTRUCTION ACROSS DRIVEWAYS. ACCESS TO DRIVEWAYS SHALL BE RESTORED IMMEDIATELY AFTER INSTALLATION OF TRANSMISSION MAIN.
- "SCREENED" (LIGHT) DELINEATION INDICATED ON THE DRAWINGS DENOTES EXISTING FACILITIES. "SCREENED" INFORMATION WAS TAKEN FROM EXISTING CONSTRUCTION DRAWINGS AND DATA AND SURVEYS, IS FOR REFERENCE ONLY, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE ORDERING OF MATERIALS AND BEGINNING OF CONSTRUCTION. "BOLD" DELINEATION IS NEW WORK TO BE CONSTRUCTED UNDER THIS
- CONTRACTOR SHALL FIELD VERIFY PRECISE LOCATION, ELEVATION, AND ARRANGEMENT OF CONNECTIONS OF NEW PIPELINES WITH EXISTING PIPELINES BASED ON FIELD CONDITIONS, INCLUDING EXPOSING EXISTING PIPING TO VERIFY MATERIAL AND DIMENSIONS PRIOR TO FABRICATING NEW PIPING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING PIPELINES WITH NO ASSISTANCE FROM THE OWNER. CONTRACTOR SHALL PROVIDE FITTINGS, ADAPTERS, SOLID SLEEVE CLOSURES, AND HARNESS MECHANICAL COUPLING; ROTATE FITTINGS; DEFLECT JOINTS; AND MODIFY EXISTING PIPING AS APPLICABLE AND AS REQUIRED TO MAKE CONNECTIONS, INCLUDING ADJUSTMENTS FOR ANY OFFSETS IN CENTERLINE ELEVATIONS BETWEEN PIPELINES. CONTRACTOR SHALL PROVIDE TEMPORARY PLUG WITH FACTORY OUTLET SIZED AS REQUIRED FOR CONTRACTORS TESTING AND DISINFECTION WORK BEFORE MAKING CONNECTION, WHEN APPLICABLE. CONTRACTOR SHALL COORDINATE MAKING EACH CONNECTION WITH THE OWNER.
- CONTRACTOR SHALL MAINTAIN REQUIRED SEPARATION OF UTILITIES AS DESCRIBED HEREIN. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER IF CONFLICTS SHOULD ARISE.
- SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN A TEN FOOT SEPARATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. ENGINEER MAY ALLOW INSTALLATION OF THE SEWER CLOSER TO A WATER MAIN PROVIDED THAT THE SEWER IS LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE WATER MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18-INCHES ABOVE THE TOP OF THE SEWER. IN CASES WHERE THE EXISTING SEWER FALLS WITHIN THESE CLEARANCES, ANY DEVIATION FROM THE ALIGNMENT SHALL BE MADE IN A MANNER TO ENHANCE THESE CLEARANCES. SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18-INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHETHER THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER LINE. WHENEVER POSSIBLE, THE WATER MAIN SHALL BE LOCATED ABOVE THE SEWER LINE. WHERE A NEW SEWER CROSSES AN EXISTING WATER MAIN, ONE FULL LENGTH OF SEWER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER MAIN LINE AS POSSIBLE. WHERE A SEWER CROSSES UNDER A WATER MAIN, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE WATER MAIN TO PREVENT DAMAGE TO THE SEWER. TWELVE-INCHES OF VERTICAL CLEARANCE SHALL BE PROVIDED FROM ALL OTHER UTILITIES UNLESS OTHERWISE NOTED.
- AFTER CONSTRUCTION IS COMPLETE IN AN AREA, CONTRACTOR SHALL REPLACE ANY REMOVED OR DAMAGED PROPERTY PINS ON ANY AFFECTED PROPERTIES BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF SOUTH CAROLINA, AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR MAY DEFLECT JOINTS AS REQUIRED TO STAY ON ALIGNMENT. DEFLECTION SHALL NOT EXCEED THE ALLOWABLE DEFLECTION OF THE MANUFACTURER. FITTINGS MUST BE INSTALLED AS SHOWN ON THE DRAWINGS UNLESS DELETION OR SUBSTITUTION IS APPROVED BY THE OWNER.
- MAIL BOXES, SIGNS, RETAINING WALLS, HEADWALLS, FENCES, OUTLET STRUCTURES, DRIVEWAY CULVERTS, GUARDRAILS, DRIVEWAYS, ETC. SHALL BE REMOVED AND REPLACED WITHOUT DAMAGE BY THE CONTRACTOR WHEN NECESSARY FOR PIPE INSTALLATION. IF DAMAGED BY CONTRACTOR, CONTRACTOR SHALL REPLACE TO THE SATISFACTION OF PROPERTY OWNER AND ENGINEER AT NO ADDITIONAL COST TO OWNER.
- UNLESS OTHERWISE NOTED, ALL ROADS AND HIGHWAYS HAVE ASPHALT SURFACE. CONTRACTOR SHALL VERIFY SUBSURFACE MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF EXISTING PAVEMENT AND SUBBASE REGARDLESS OF THICKNESS AND MATERIALS ENCOUNTERED.
- ALL EXCESS EXCAVATED MATERIAL OR UNSUITABLE MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL CONTACT PROPERTY OWNERS IN ADVANCE OF DRIVEWAY CROSSINGS TO DISCUSS SCHEDULING OF ANY CONSTRUCTION ACTIVITIES THAT WOULD INHIBIT ACCESS USING EXISTING DRIVEWAYS. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS TO MINIMIZE TIMES OF INACCESSIBILITY.
- LIMITS OF CLEARING AND DISTURBANCE SHALL BE CONFINED TO THE EXTENTS OF THE PERMANENT/TEMPORARY EASEMENTS AND/OR RIGHT-OF-WAY.
- THE LOCATION OF SOIL BORES INDICATED ON THE DRAWINGS IS APPROXIMATE. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR ACTUAL TEST HOLE LOCATIONS AND THE FINDINGS OF THE GEOTECHNICAL INVESTIGATIONS.
- ENTIRE DIP SHALL BE PROTECTED WITH A MINIMUM OF ONE WRAP OF POLYETHYLENE ENCASEMENT. A DOUBLE WRAP OF POLYETHYLENE ENCASEMENT SHALL BE REQUIRED AS INDICATED AT THE LOCATIONS SHOWN ON DRAWINGS AS PER SPECIFICATION
- UNLESS OTHERWISE SPECIFIED, INDICATED ON THE DRAWINGS, OR DIRECTED BY THE ENGINEER, INSTALL PIPELINES SLOPING DOWNWARD FROM AN AIR VALVE. HIGH POINTS IN PIPELINES WILL NOT BE PERMITTED EXCEPT AT LOCATIONS OF AIR VALVES AS INDICATED ON THE DRAWINGS.

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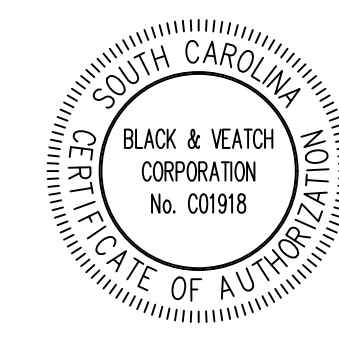
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PROJECT NO.:	410381

GENERAL

GENERAL ANNOTATION,  
SYMBOL, AND CALLOUT  
LEGENDS

G-00-002

XXX  
OF  
XXX



# GENERAL, CIVIL, AND PROCESS MECHANICAL ABBREVIATIONS



Black & Veatch Corporation  
Greenville, South Carolina

<b>A</b>	AB AGGREGATE BASE ABV ABOVE AC ASPHALT CONCRETE ACP ASBESTOS CEMENT PIPE AD AREA DRAIN, ANODE ADD ADDITIONAL ADJ ADJUSTABLE, ADJACENT ADMIN ADMINISTRATION ADWF AVERAGE DRY-WEATHER FLOW AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AH AHEAD ALT ALTERNATE, ALTERNATIVE ANC ANCHOR AP ACCESS PANEL, ANGLE POINT APPR APPROACH APPROX APPROXIMATE, APPROXIMATELY AR ANCHOR ROD ARCH ARCHITECTURAL ASSY ASSEMBLY ATM ATMOSPHERE, ATMOSPHERIC AUTO AUTOMATIC AUX AUXILIARY AVG AVERAGE AWG AMERICAN WIRE GAUGE AWWA AMERICAN WATER WORKS ASSOCIATION AWWF AVERAGE WET-WEATHER FLOW	<b>E</b>	E EAST, EASTING EA EACH ECC ECCENTRIC ECC RED ECCENTRIC REDUCER EFF EFFLUENT, EFFICIENCY EG EXISTING GRADE EJ EXPANSION JOINT EL ELEVATION ELB ELBOW ELL ELBOW ELEC ELECTRIC, ELECTRICAL EMER EMERGENCY ENC ENCLOSURE ENCL ENCLOSURE EOL END OF LINE EOP EDGE OF PAVEMENT EOS EDGE OF SLAB EQ EQUAL EQUIP EQUIPMENT EVC END OF VERTICAL CURVE EW EACH WAY EXH EXHAUST EXIST EXISTING EXP EXPANSION, EXPOSED EXT EXTENSION, EXTERIOR, EXTERNAL	<b>L</b>	L LENGTH, LONG, LOW LAT LATERAL, LATITUDE LB(S) POUND(S) LC LENGTH OF CURVE LF LINEAR FEET LH LEFT HAND LIN LINEAL, LINEAR LONG LONGITUDE LP LOW POINT, LOW PRESSURE LT LEFT	REQD REQUIRED RET RETURN REV REVISION, REVISED, REVERSED RH RIGHT HAND RO REVERSE OSMOSIS RPM REVOLUTIONS PER MINUTE RR RAILROAD RS RISING STEM RT RIGHT ROW RIGHT OF WAY	
<b>B</b>	B BORE HOLE B TO B BACK TO BACK BAL BALANCE BC BACK OF CURB BET BETWEEN BF BLIND FLANGE BHP BRAKE HORSEPOWER BITUM BITUMINOUS BLDG BUILDING BLK BLOCK BM BENCHMARK BNR BIOLOGICAL NUTRIENT REMOVAL BOD BIOLOGICAL/BIOCHEMICAL OXYGEN DEMAND BOF BOTTOM OF FOOTING BOP BOTTOM OF PIPE BOT BOTTOM BP BACK PRESSURE BRG BEARING BS BOTH SIDES BU BELL-UP BVC BEGINNING OF VERTICAL CURVE	<b>F</b>	F FAHRENHEIT, FACE F TO F FACE TO FACE FAB FABRICATE(D)(TION) FC FACE OF CONCRETE, FAIL CLOSED FCA FLANGED COUPLING ADAPTER FD FLOOR DRAIN FF FINISHED FLOOR FG FINISHED GRADE FH FIRE HYDRANT FIG FIGURE FL FLOOR, FLOW LINE FLEX FLEXIBLE FLG FLANGE(D) FM FORCE MAIN FMH FLEXIBLE METAL HOSE FO FAIL OPEN FOB FLAT ON BOTTOM FOM FACE OF MASONRY FOT FLAT ON TOP FPS FEET PER SECOND FRP FIBERGLASS REINFORCED PLASTIC FS FAR SIDE, FLOOR SLEEVE FT FOOT, FEET FTG FOOTING FURN FURNISH, FURNISHED FWD FORWARD	<b>M</b>	MAINT MAINTENANCE MAN MANUAL(LY) MAX MAXIMUM MBR MEMBRANE BIOREACTOR MC MECHANICAL COUPLING MECH MECHANICAL MED MEDIUM MF MICROFILTRATION MFR MANUFACTURER MG MILLION GALLONS MG/L MILLIGRAMS PER LITER MGD MILLION GALLONS PER DAY MH MAINTENANCE HOLE, MANHOLE MIN MINIMUM, MINUTE MISC MISCELLANEOUS MJ MECHANICAL JOINT MJRG MECHANICAL JOINT RETAINER GLAND MJTR MECHANICAL JOINT WITH TIE ROD MO MOTOR OPERATED MSL MEAN SEA LEVEL MTD MOUNTED MTL MATERIAL MTR MOTOR MW MONITORING WELL	<b>S</b>	S SECOND, SLOPE, SOUTH SCHED SCHEDULE SCFM STANDARD CUBIC FEET PER MINUTE SD STORM DRAIN SEC SECOND SECT SECTION SF SQUARE FEET SH SHEET SIM SIMILAR SP STEEL PIPE SPA SPACING, SPACES SPEC(S) SPECIFICATION(S) SPL SPECIAL SPLY SUPPLY SQ SQUARE SS STAINLESS STEEL SS SANITARY SEWER ST SWR STORM SEWER STA STATION STD STANDARD STL STEEL STOR STORAGE STR STRUCTURAL SUSP SUSPENDED SYM SYMMETRICAL SYS SYSTEM
<b>C</b>	C CURVE C TO C CENTER TO CENTER CB CATCH BASIN CF CUBIC FEET CFM CUBIC FEET PER MINUTE CFS CUBIC FEET PER SECOND C&G CURB AND GUTTER CIP CAST IRON PIPE CISP CAST IRON SOIL PIPE CL CLASS C/L CENTERLINE CLG CEILING CLR CLEAR, CLEARANCE CLSM CONTROLLED LOW STRENGTH MATERIAL CMC CEMENT MORTAR COATED CML CEMENT MORTAR LINED CMP CORRUGATED METAL PIPE CO CLEAN OUT, COMPANY COD CHEMICAL OXYGEN DEMAND COL COLUMN COMB COMBINATION COMB SWR COMBINED SEWER CONC CONCRETE CONN CONNECTION CONST CONSTRUCTION CONT CONTINUED, CONTINUOUS, CONTINUATION, CONTROL CONTR CONTRACTOR COR CORNER CORR CORRIDOR, CORRUGATED CP CONTROL POINT, CATHODIC PROTECTION, CATCH POINT CPLG COUPLING CPVC CHLORINATED POLYVINYL CHLORIDE CSP CORRUGATED STEEL PIPE CTR(S) CENTER(S) CTS CORROSION/CATHODIC TEST STATION CU CUBIC, COPPER CY CUBIC YARD	<b>G</b>	G GAS GA GAUGE GAL GALLON GALV GALVANIZED GB GRADE BREAK GC GROOVED COUPLING GEN GENERAL, GENERATOR GL GLASS GM GAS METER GPD GALLONS PER DAY GPM GALLONS PER MINUTE GR GRADE	<b>N</b>	N NORTH, NORTHING, NITROGEN (TOTAL AS N) N/A NOT APPLICABLE NAD NORTH AMERICAN DATUM (HORIZONTAL) NAVD NORTH AMERICAN VERTICAL DATUM NC NORMALLY CLOSED NF NEAR FACE NIC NOT IN CONTRACT NO NORMALLY OPEN NO. NUMBER(S) NOM NOMINAL NPSH NET POSITIVE SUCTION HEAD NPISH NET POSITIVE SUCTION HEAD REQUIRED NPT NATIONAL PIPE THREAD NRS NON-RISING STEM NS NEAR SIDE NTS NOT TO SCALE	<b>T</b>	T TELEPHONE, TOP TAN TANGENT TBC TOP BACK OF CURB TBD TO BE DETERMINED TBM TEMPORARY BENCHMARK TC TOP OF CURB TDS TOTAL DISSOLVED SOLIDS TEMP TEMPERATURE, TEMPORARY TH TEST HOLE THD THREADED THK THICK, THICKNESS TOC TOP OF CONCRETE, TABLE OF CONTENTS, TOTAL ORGANIC CARBON TOF TOP OF FOOTING TOM TOP OF MASONRY TOP TOP OF PIPE TOW TOP OF WALL TP TEST PIT TRANS TRANSFORMER TS TOTAL SOLIDS TSS TOTAL SUSPENDED SOLIDS TYP TYPICAL
<b>D</b>	D DOOR DB DUCT BANK DBL DOUBLE DEG DEGREE DEPT DEPARTMENT DET DETAIL DI DROP INLET, DUCTILE IRON DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DIP DUCTILE IRON PIPE DISCH DISCHARGE DIST DISTRIBUTION DIV DIVISION DMJ DISMANTLING JOINT DN DOWN DR DRAIN DW DRY WELL DWG(S) DRAWING(S)	<b>H</b>	H HIGH, HOUR HDG HOT-DIPPED GALVANIZED HDPE HIGH DENSITY POLYETHYLENE HEX HEAT EXCHANGER HGT HEIGHT HH HANDHOLE HMC HARNESSED MECHANICAL COUPLING HMJ HARNESSED MECHANICAL JOINT HORIZ HORIZONTAL HP HIGH POINT, HIGH PRESSURE, HORSEPOWER HR HOUR, HANDRAIL HS HIGH STRENGTH HVAC HEATING, VENTILATING AND AIR CONDITIONING HWY HIGHWAY HYDRO HYDRO-PNEUMATIC, HYDROGENERATION	<b>O</b>	OC ON CENTER, ODOR CONTROL OD OUTSIDE DIAMETER OF OUTSIDE FACE, OVERFLOW OH OVERHEAD OPER OPERATING OPNG OPENING OPP OPPOSITE OZ OUNCE	<b>U</b>	UB UTILITY BOX UF ULTRAFILTRATION UG UNDERGROUND UNO UNLESS NOTED OTHERWISE UP UTILITY POLE USGS UNITED STATES GEOLOGICAL SURVEY UV ULTRAVIOLET
<b>I</b>	ID INSIDE DIAMETER IE INVERT ELEVATION IF INSIDE FACE IN INCH(ES) INCL INCLUDING INCR INCREASE INST INSTRUMENT, INSTRUMENTATION INSUL INSULATE, INSULATED, INSULATING INT INTERIOR, INTERNAL INV INVERT IPS IRON PIPE SIZE	<b>J</b>	JB JUNCTION BOX JT JOINT	<b>P</b>	P&ID PIPING/PROCESS AND INSTRUMENTATION DIAGRAM P PHOSPHORUS (TOTAL AS P) PPM PARTS PER MILLION PC POINT OF CURVATURE PCC POINT OF COMPOUND CURVATURE PCCP PRESTRESSED CONCRETE CYLINDER PIPE PE PLAIN END PG PRESSURE GAUGE PH PIPE HANGER PI POINT OF INTERSECTION PIL(S) PANEL(S), PANELBOARD(S) POC POINT ON CIRCULAR CURVE, POINT OF CONNECTION POT POINT ON TANGENT PP POWER POLE PROJ PROJECTION PRS PRESSURE REDUCING STATION PS PIPE SUPPORT PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSIA POUNDS PER SQUARE INCH ABSOLUTE PSIG POUNDS PER SQUARE INCH GAUGE PT POINT OF TANGENCY, POINT PVC POLYVINYL CHLORIDE, POINT OF VERTICAL CURVATURE PVT POINT OF VERTICAL TANGENCY PVCP POLYVINYL CHLORIDE PIPE PVI POINT OF VERTICAL INTERSECTION PVMT PAVEMENT	<b>V</b>	V VALVE (SEE P&ID ABBREVIATIONS), VERTICAL, VOLT, VENT VAC VACUUM VB VALVE BOX VC VERTICAL CURVE VCP VITRIFIED CLAY PIPE VERT VERTICAL VIF VERIFY IN FIELD VOCs VOLATILE ORGANIC COMPOUNDS VP VAPOR PRESSURE
<b>K</b>	KVA KILOVOLT AMPERE	<b>Q</b>	Q RATE OF FLOW QCPLG QUICK COUPLING	<b>W</b>	W WEST, WIDE, WATER W/ WITH WC WATER COLUMN WEF WATER ENVIRONMENT FEDERATION W WATER LEVEL WM WATER METER W/O WITHOUT WP WATERPROOF WS WATERSTOP WS WATER SURFACE WSL WATER SURFACE LEVEL WT WEIGHT WW WETWELL		

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DETAILED:	FLL
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

GENERAL

GENERAL, CIVIL, AND  
PROCESS MECHANICAL  
ABBREVIATIONS

G-00-003

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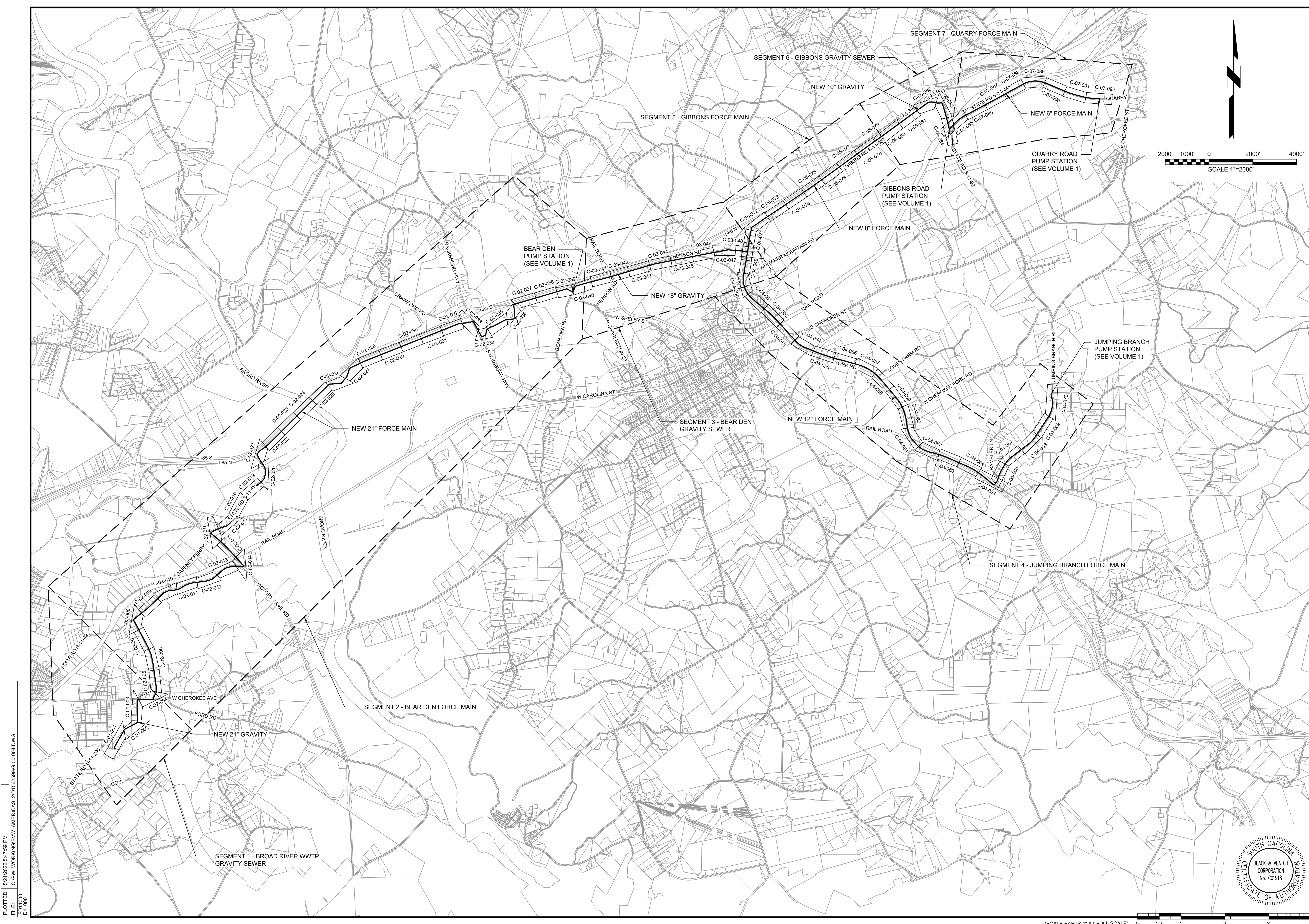
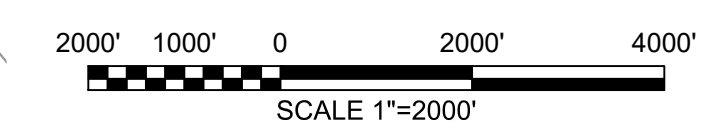
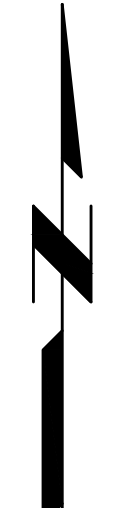
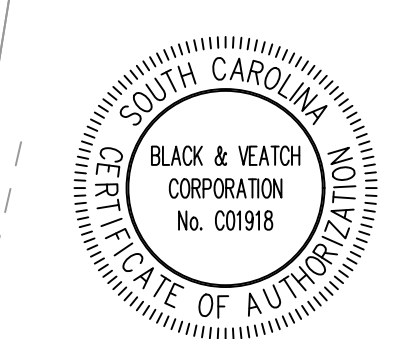
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PROJECT NO.:	410381

GENERAL

OVERALL SITE PLAN

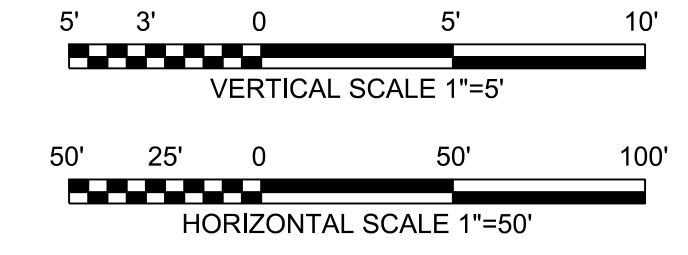
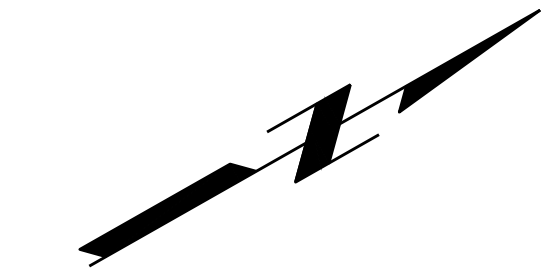
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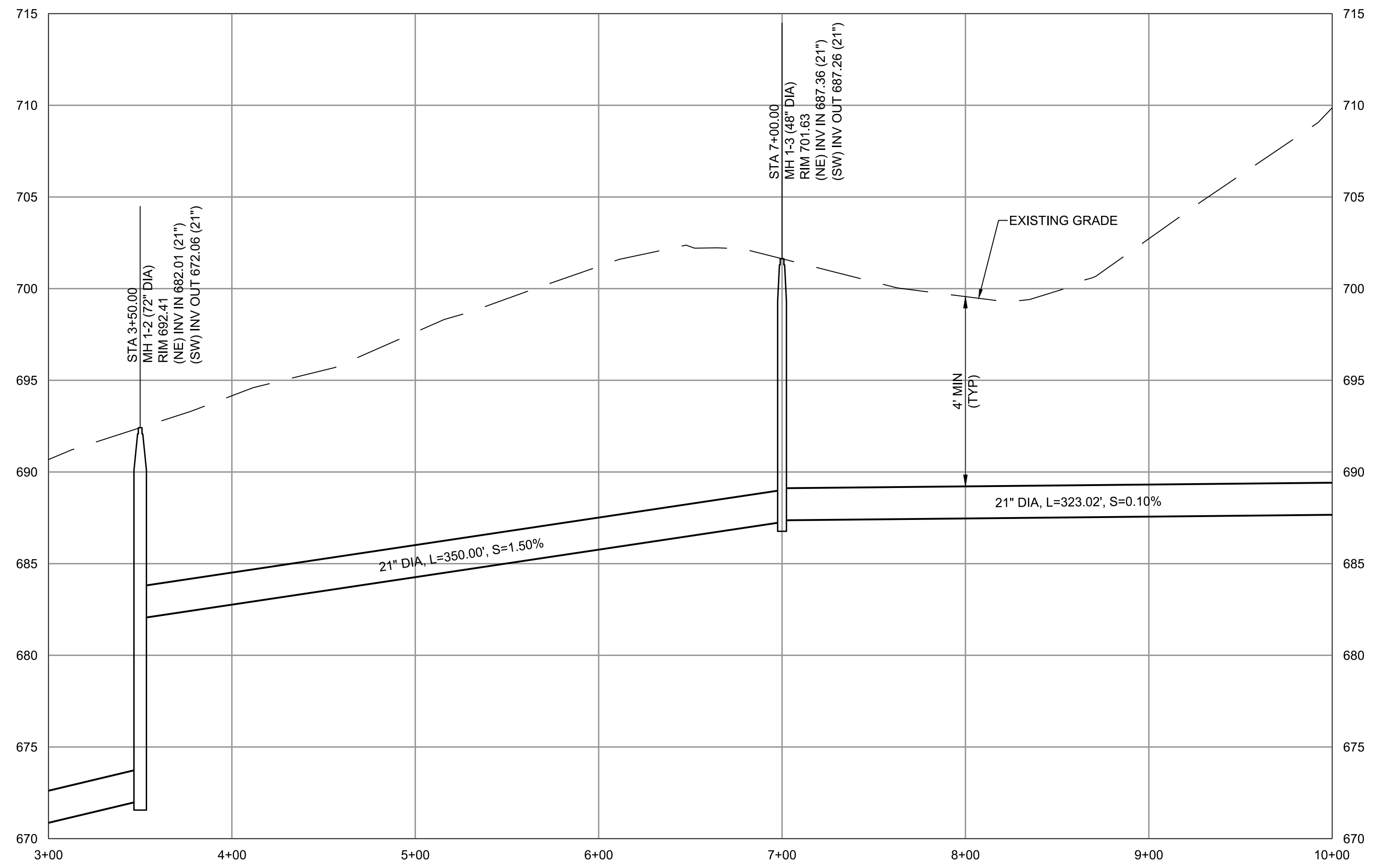
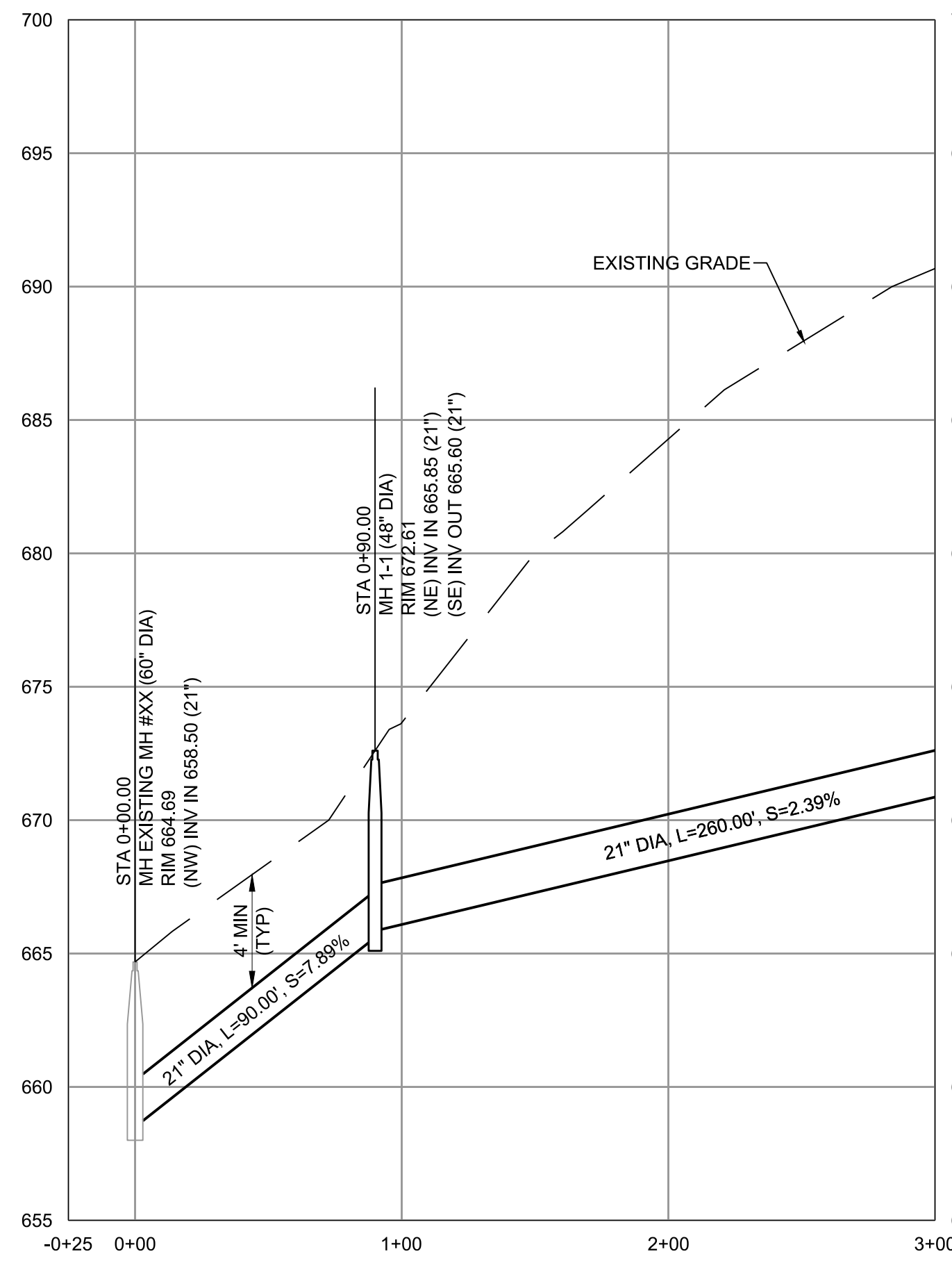
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GRAVITY SEWER**

CIVIL

**PLAN AND PROFILE  
STA 0+00 TO STA 10+00**

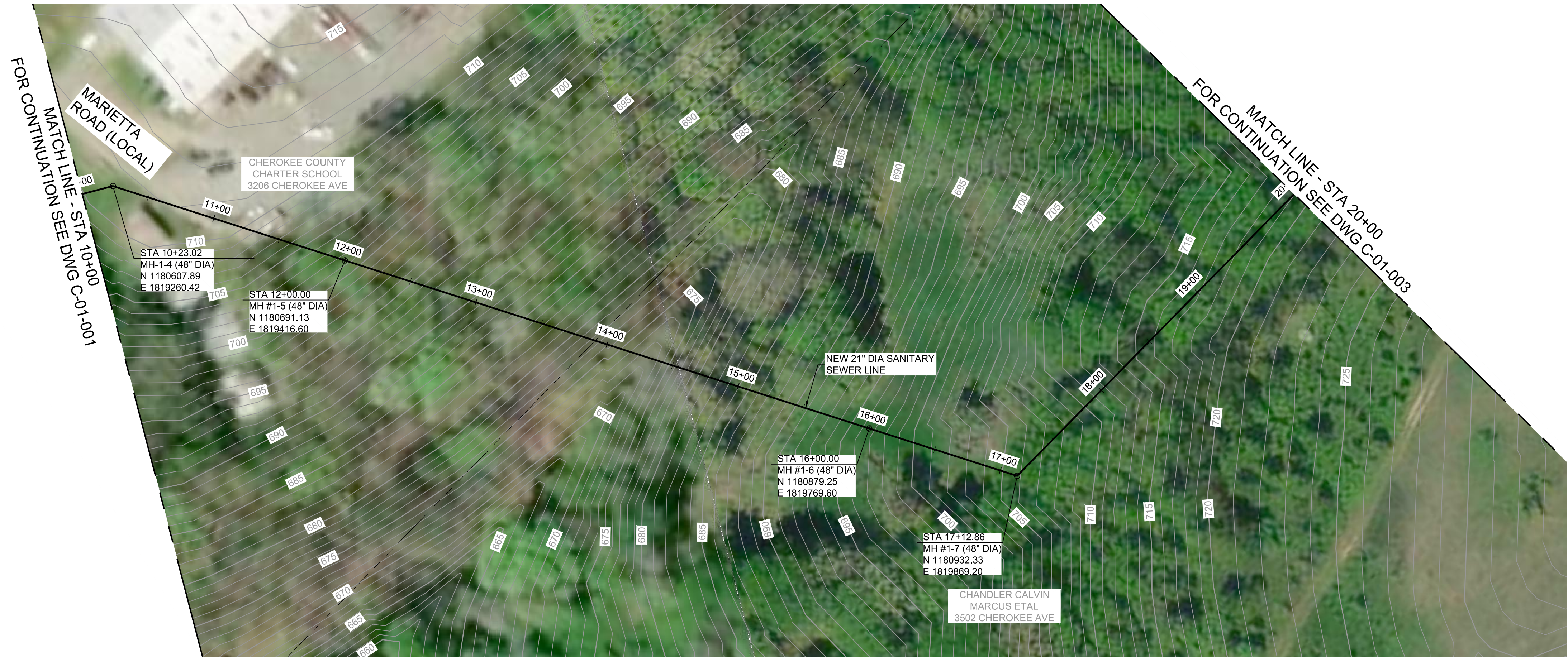
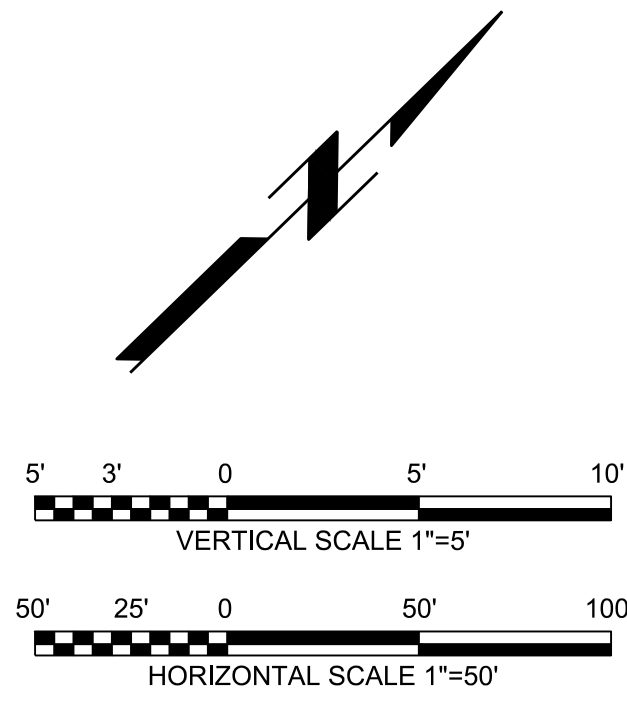
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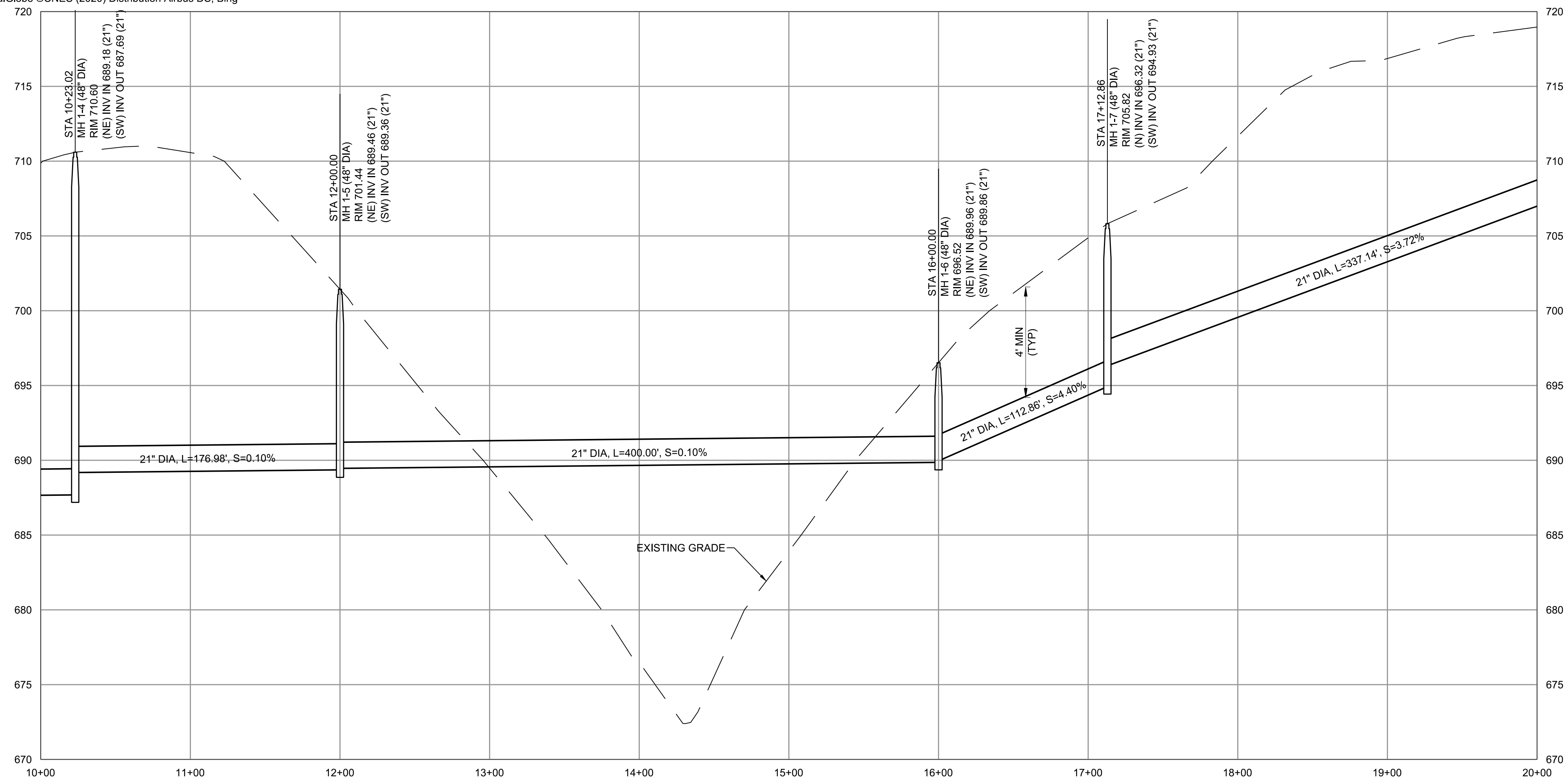


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(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

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SEGMENT 1  
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**C-01-002**

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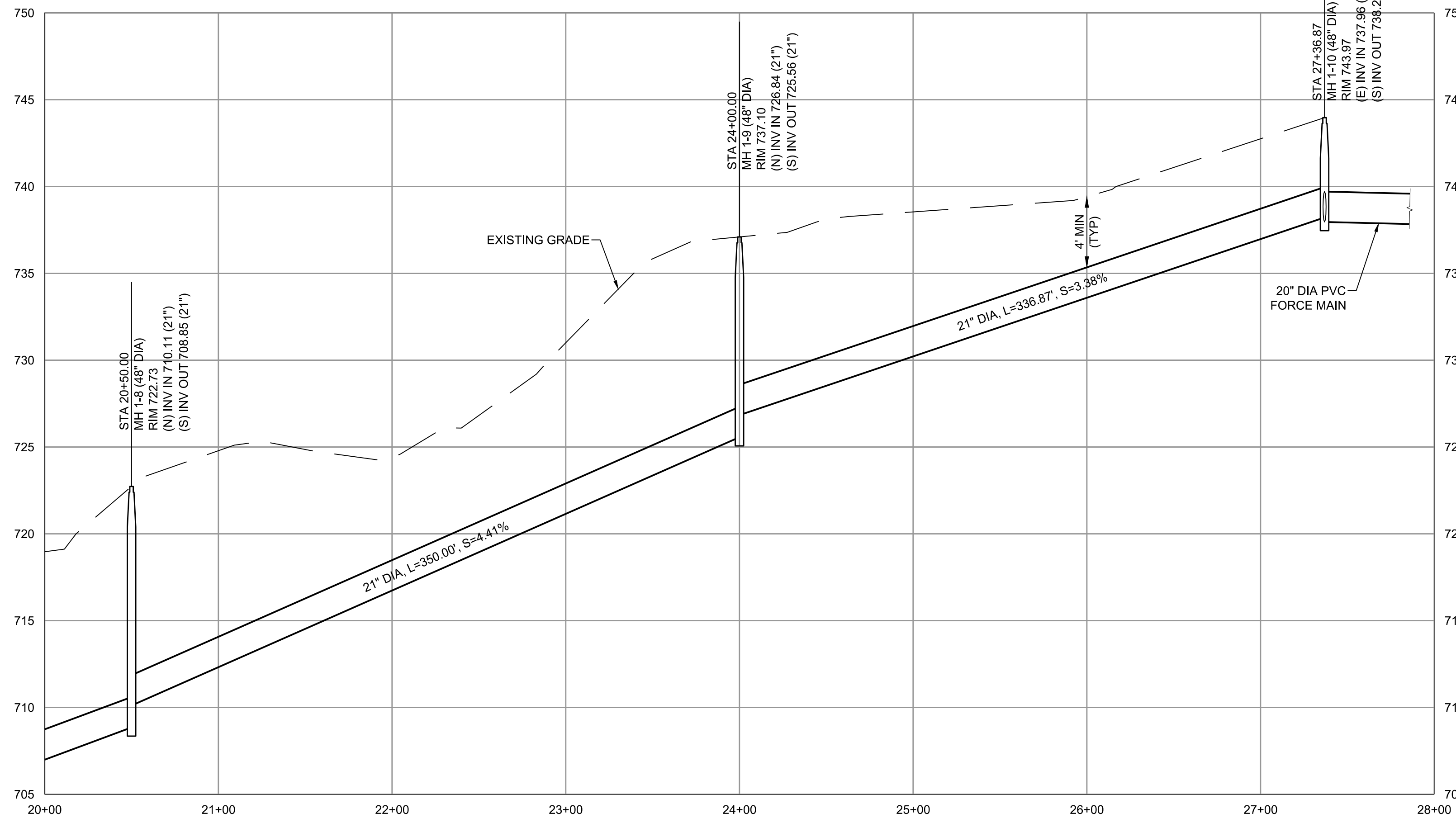
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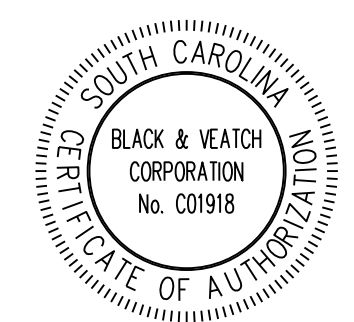
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GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
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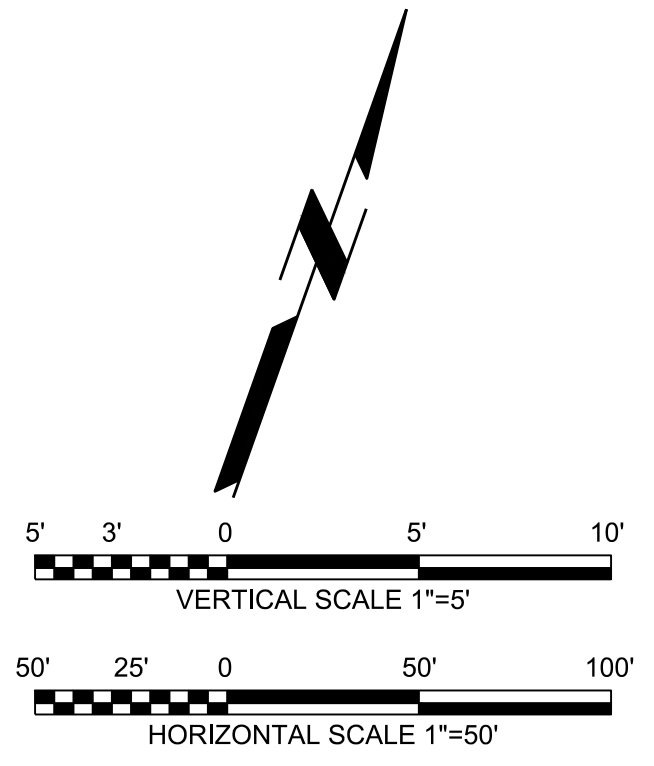
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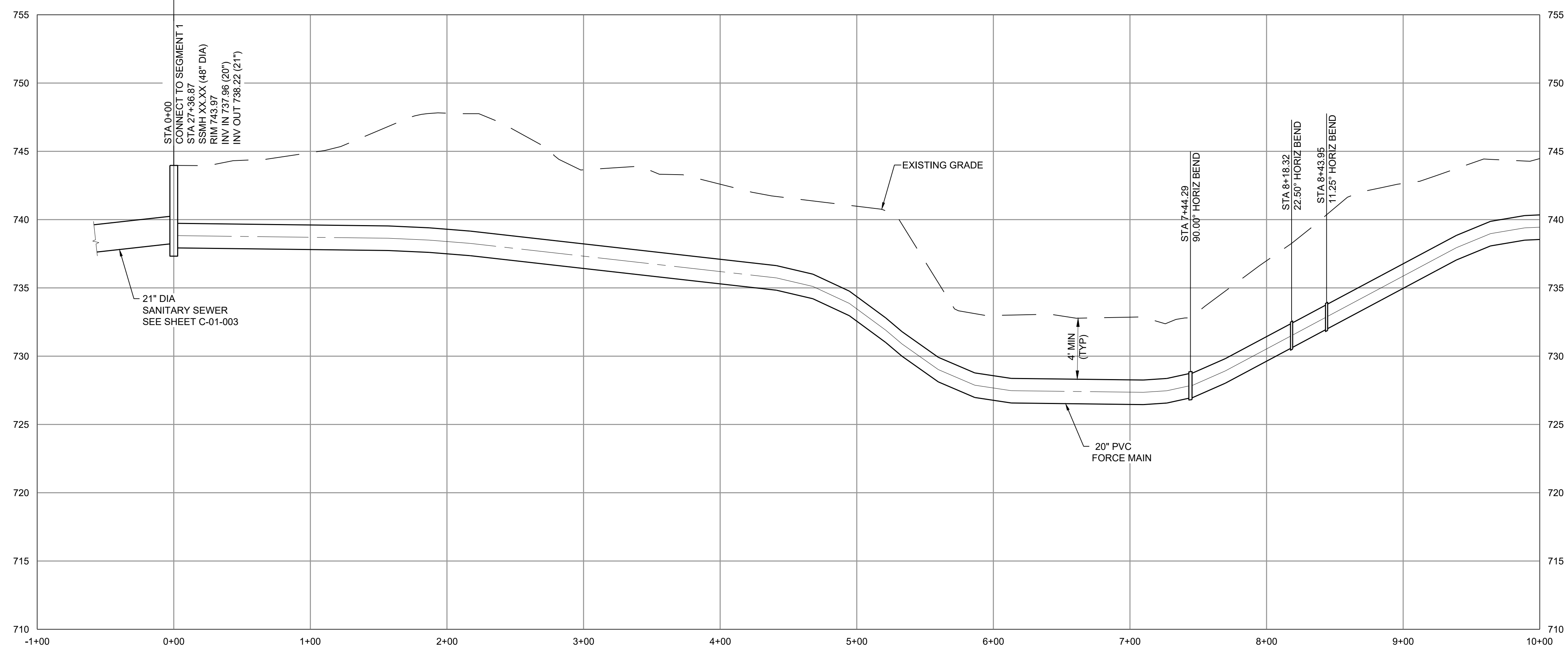
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FORCE MAIN

CIVIL

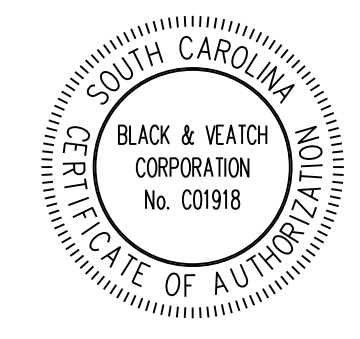
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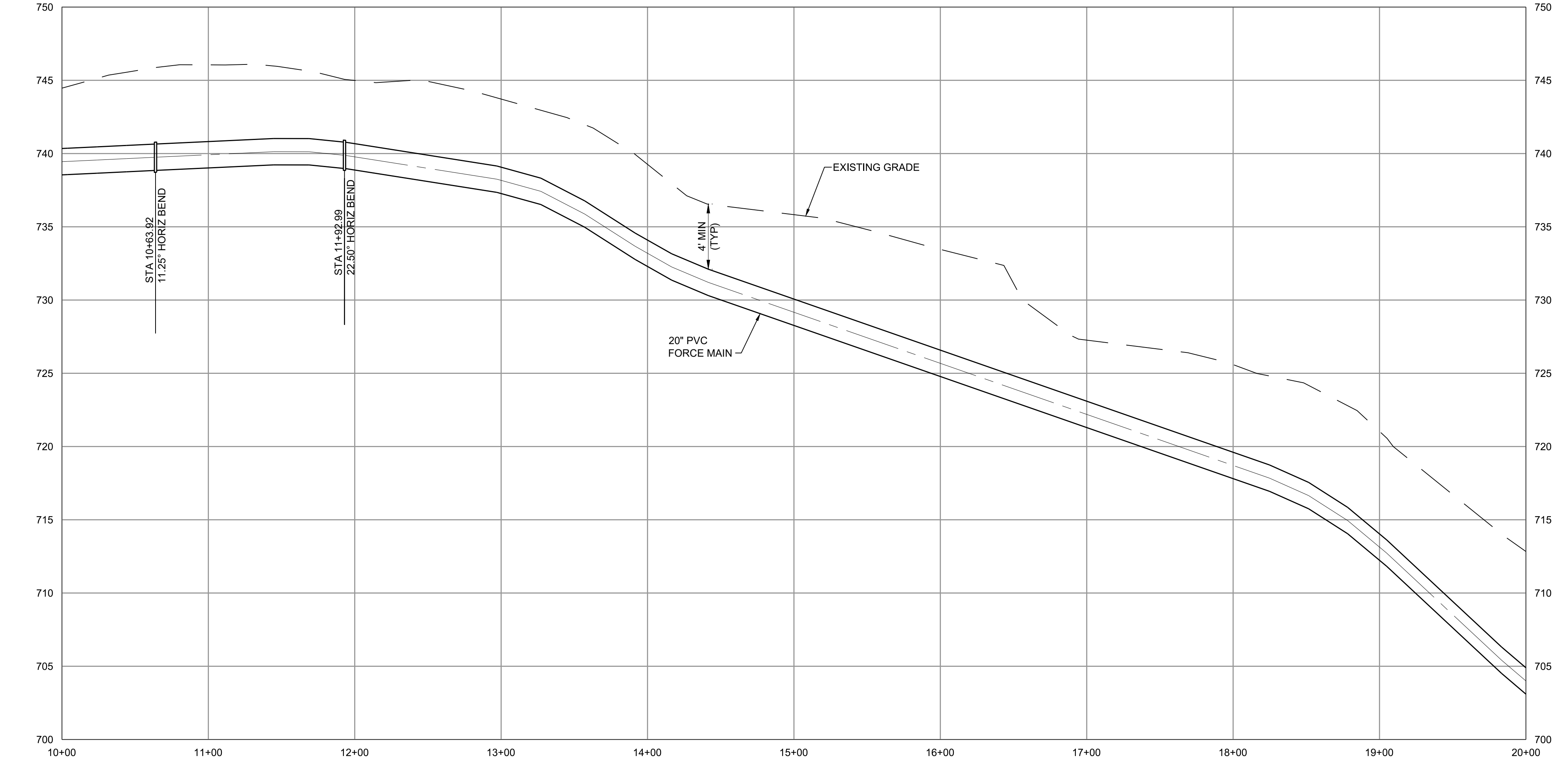
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FORCE MAIN

CIVIL

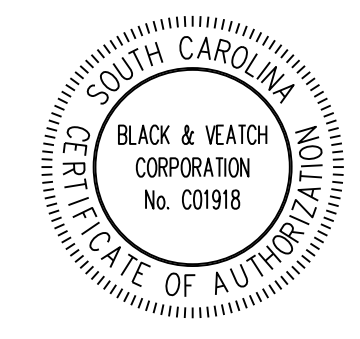
PLAN AND PROFILE STA  
10+00 TO STA 20+00

C-02-005

XXX  
OF  
XXX

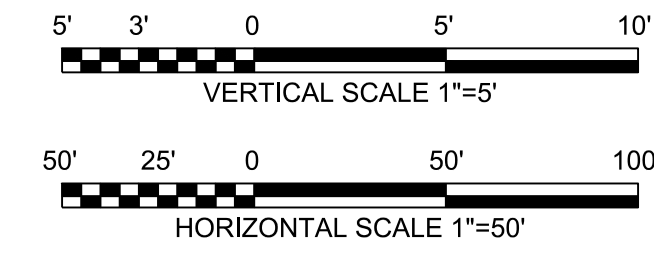
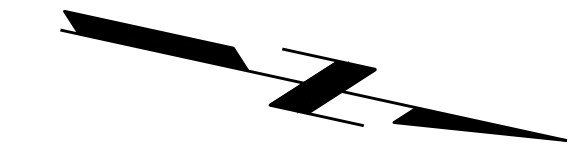


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



PLOTTED: 5/22/2022 1:43:39 PM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_2\01562805\410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 01000  
 D:\1000

SUBCONSULTANT:



MATCH LINE - STA 20+00  
FOR CONTINUATION SEE DWG C-02-005

MATCH LINE - STA 30+00  
FOR CONTINUATION SEE DWG C-02-007

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

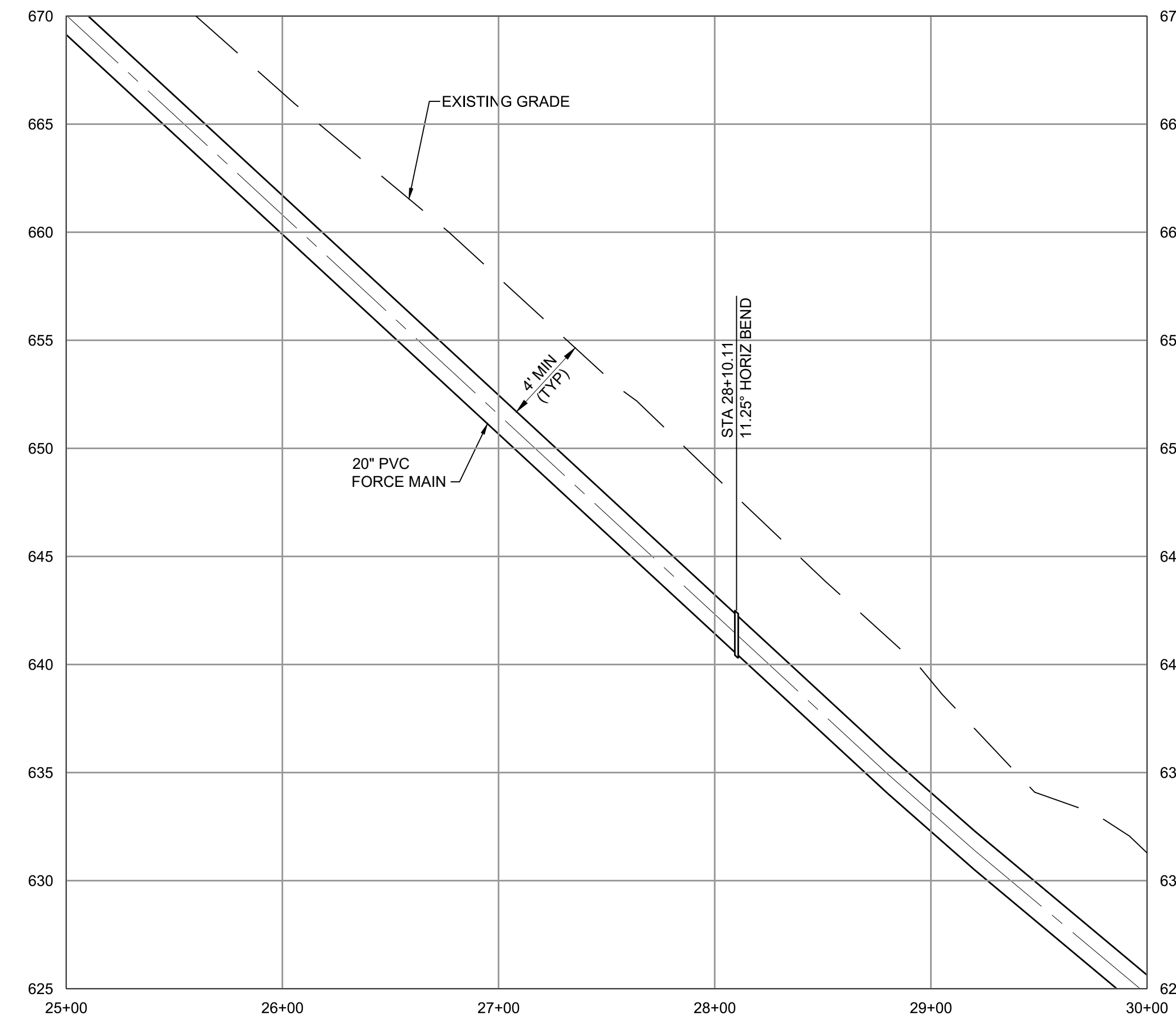
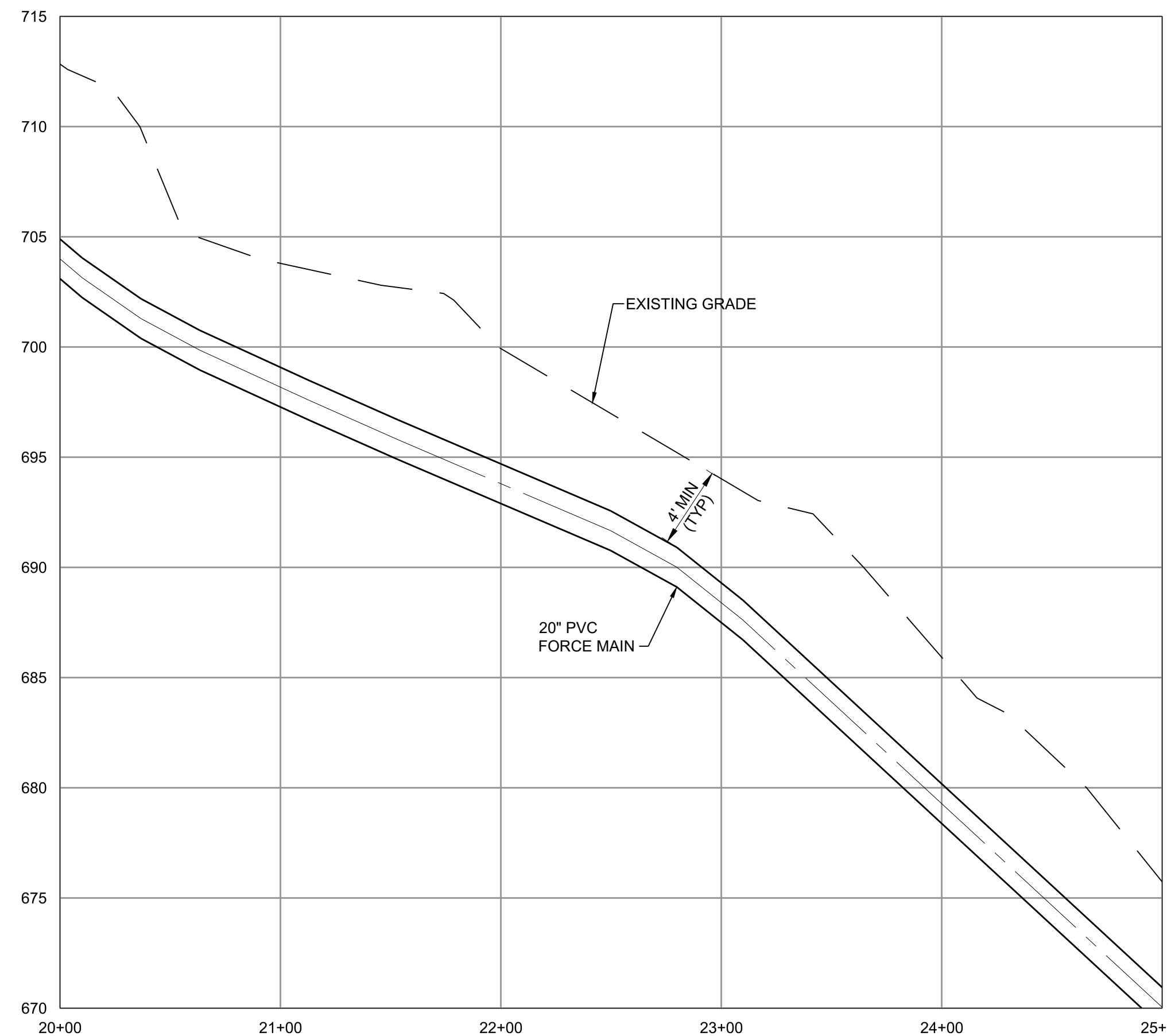
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
20+00 TO STA 30+00

C-02-006

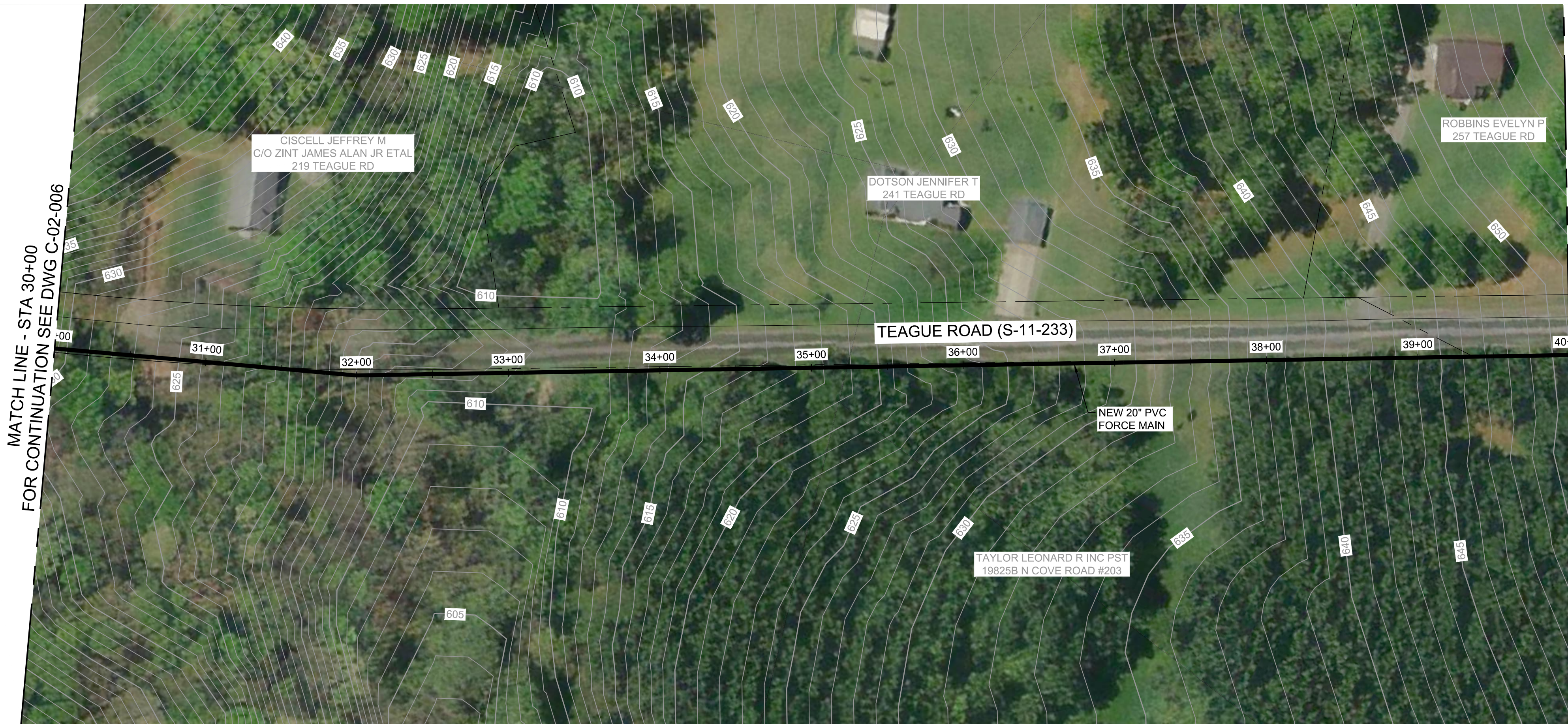
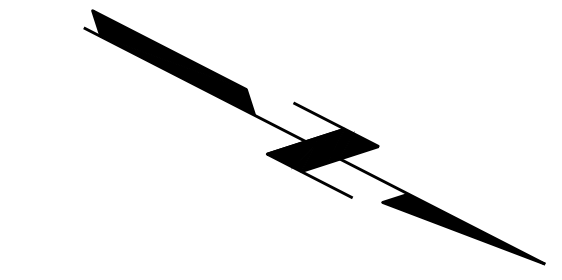
XXX  
OF  
XXX



PLOTTED: 5/22/2022 1:45:06 PM  
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FDI:000  
D11000



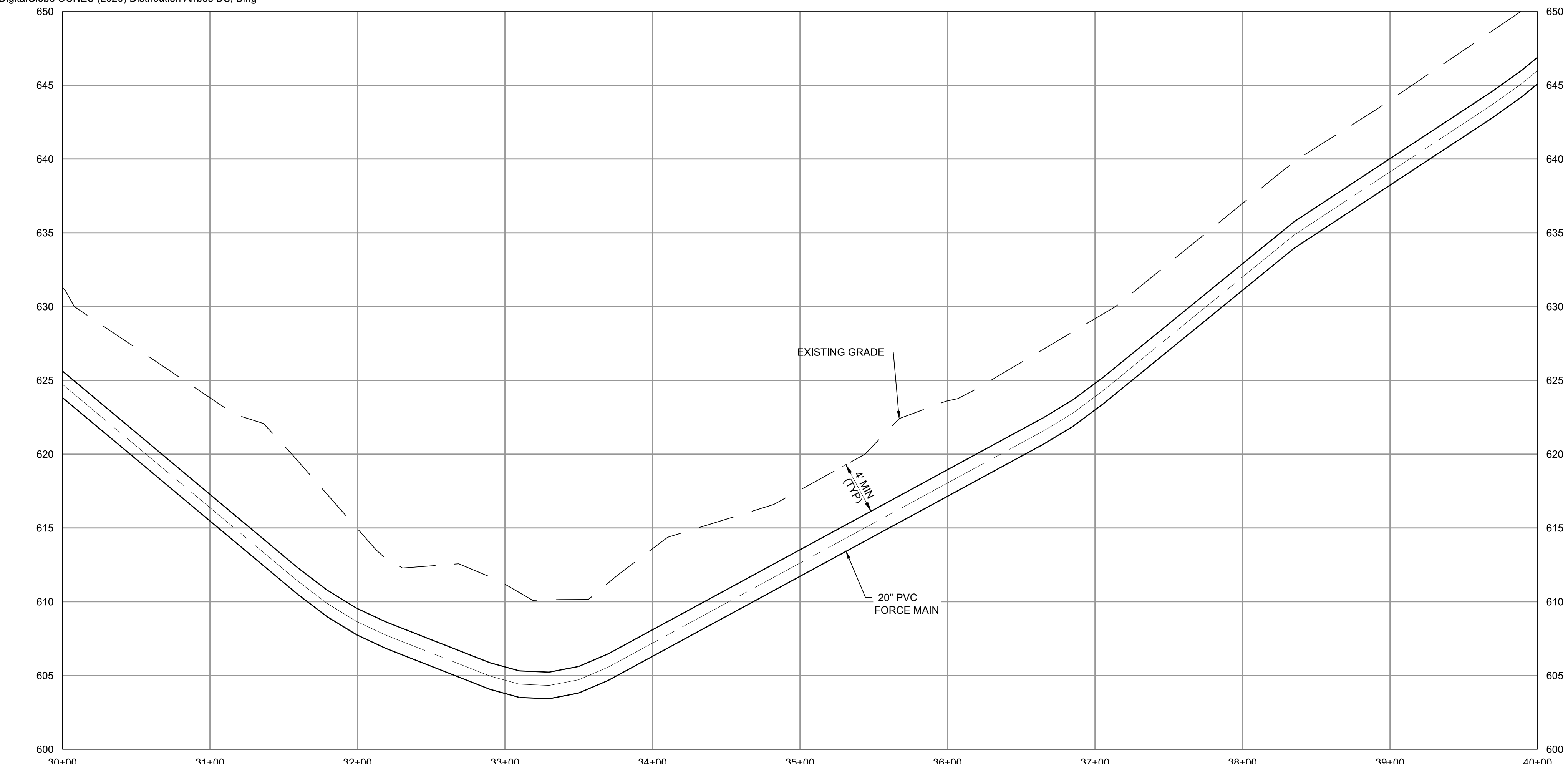
SUBCONSULTANT:



MATCH LINE - STA 30+00  
FOR CONTINUATION SEE DWG C-02-006

MATCH LINE - STA 40+00  
FOR CONTINUATION SEE DWG C-02-008

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(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

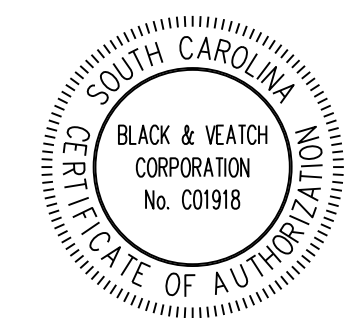
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
30+00 TO STA 40+00

**C-02-007**

XXX  
OF  
XXX

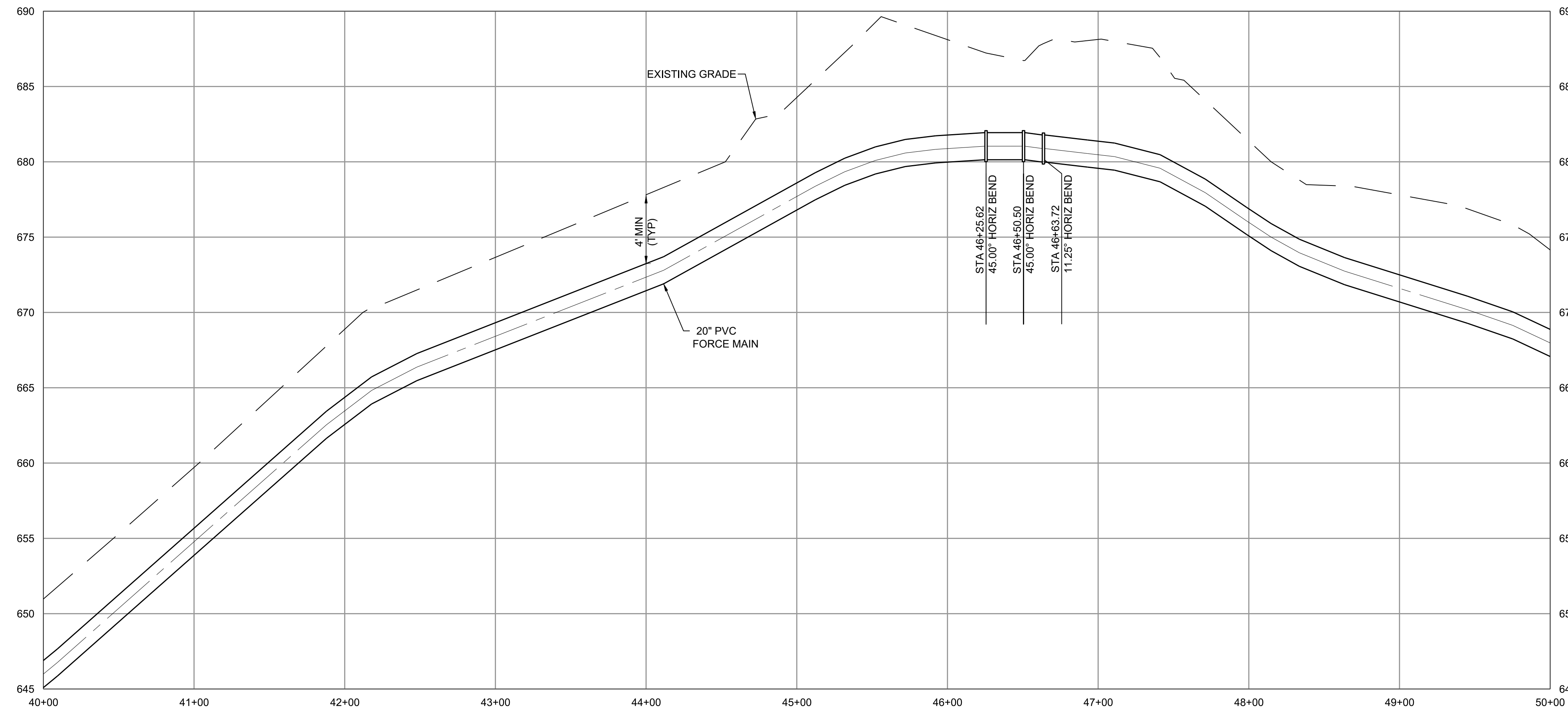


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FD1000  
D11000

SUBCONSULTANT:



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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022

PROJECT NO.: 410381

SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
40+00 TO STA 50+00

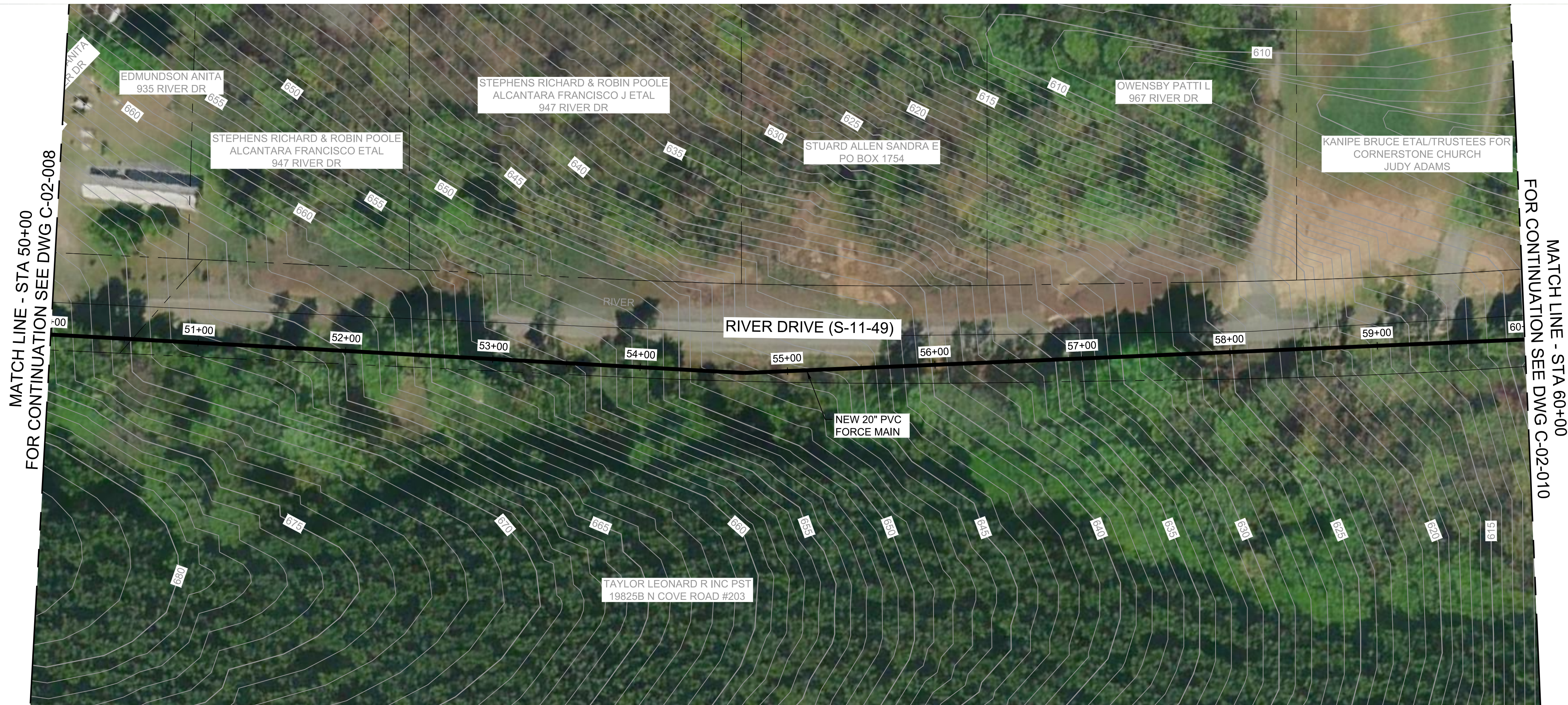
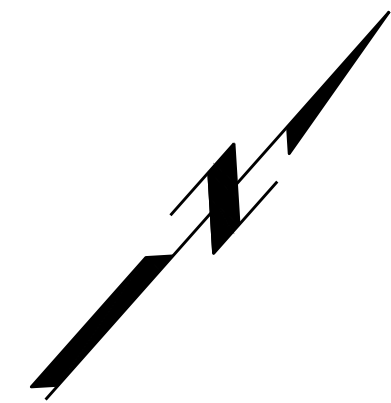
C-02-008

XXX  
OF  
XXX

PLOTTED: 5/22/2022 1:47:59 PM  
FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
FDI:000  
D11000



SUBCONSULTANT:



MATCH LINE - STA 50+00  
FOR CONTINUATION SEE DWG C-02-008

MATCH LINE - STA 60+00  
FOR CONTINUATION SEE DWG C-02-010

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

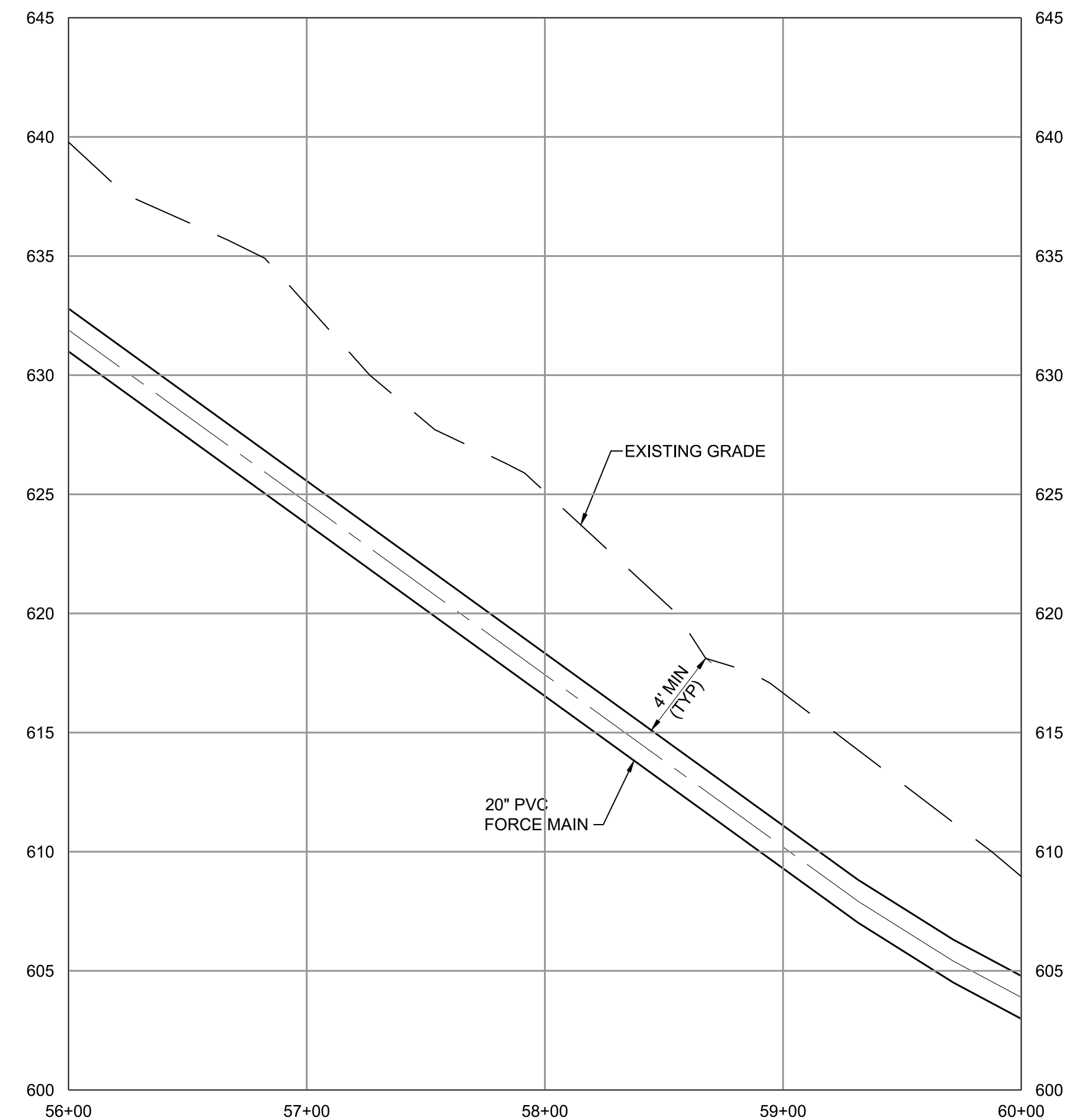
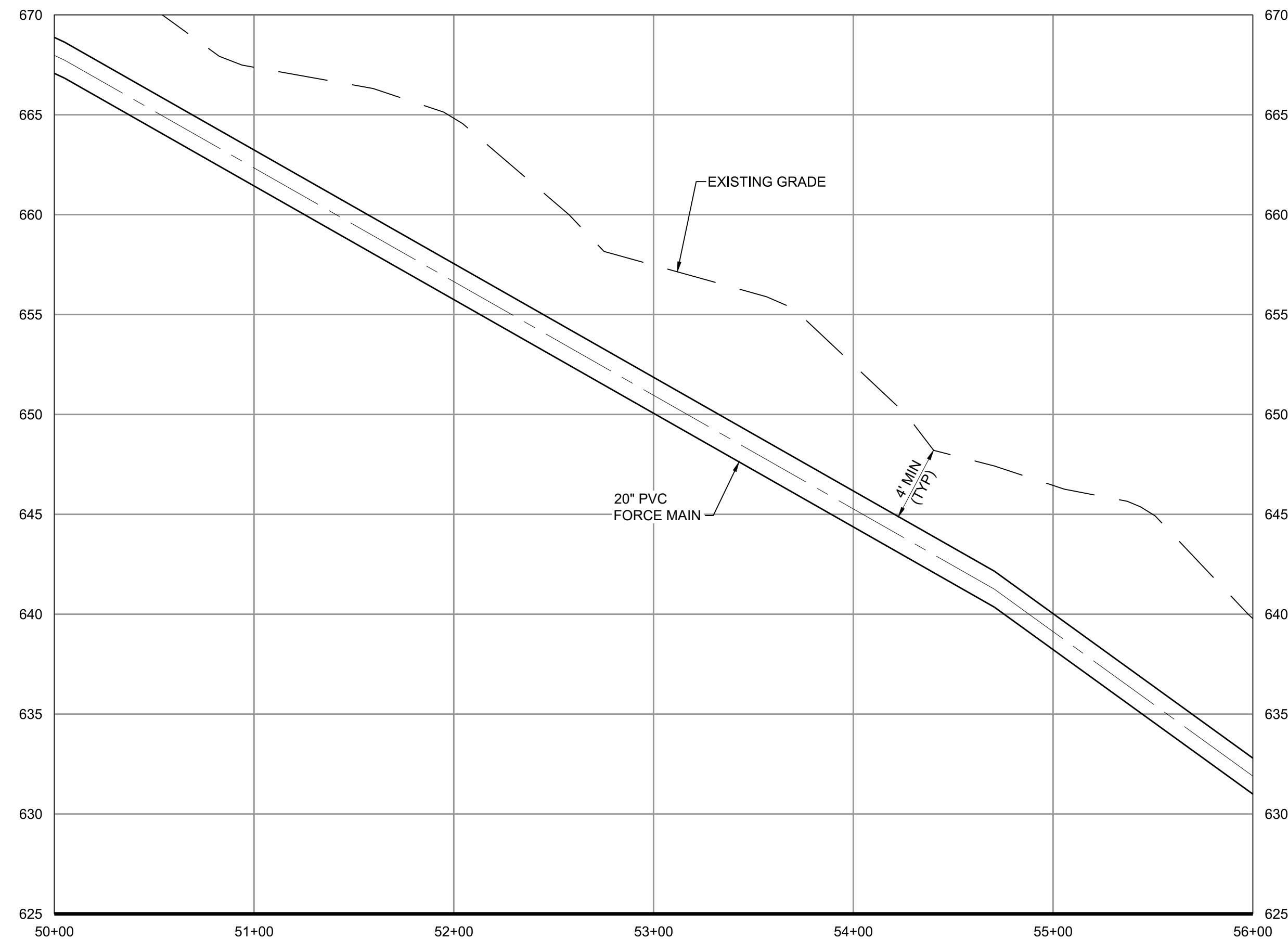
SEGMENT 2  
FORCE MAIN

CIVIL

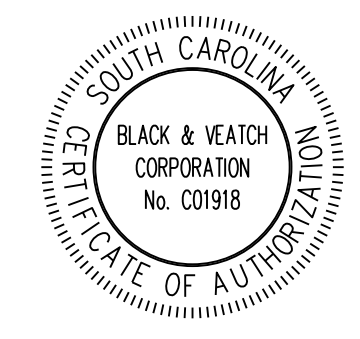
PLAN AND PROFILE STA  
50+00 TO STA 60+00

**C-02-009**

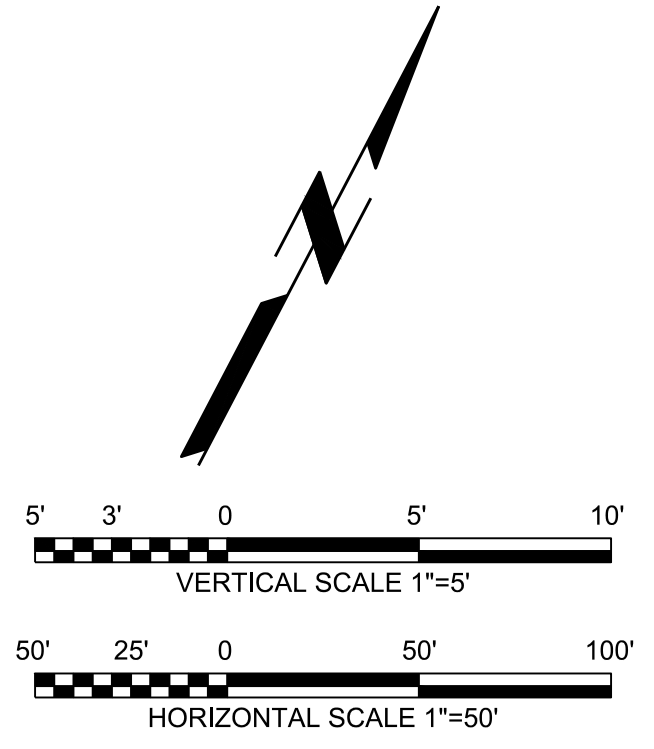
XXX  
OF  
XXX



PLOTTED: 5/22/2022 1:49:24 PM  
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FD1000  
D11000



SUBCONSULTANT:



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COLLECTIONS

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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
DESIGNED:	LDP
DETAILED:	VSK
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

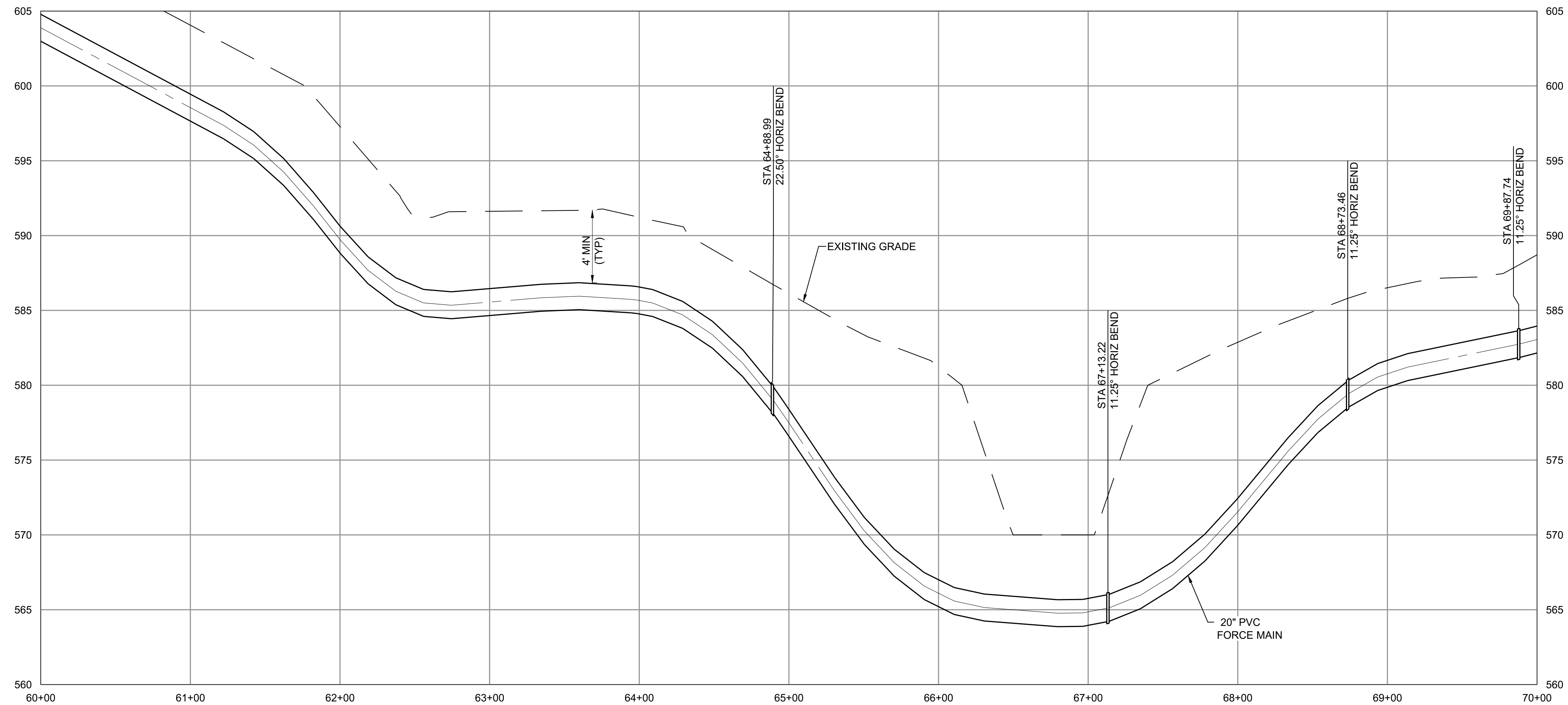
SEGMENT 2  
FORCE MAIN

CIVIL

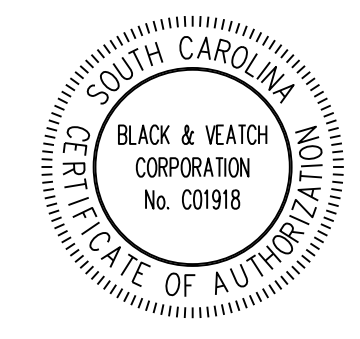
PLAN AND PROFILE STA  
60+00 TO STA 70+00

C-02-010

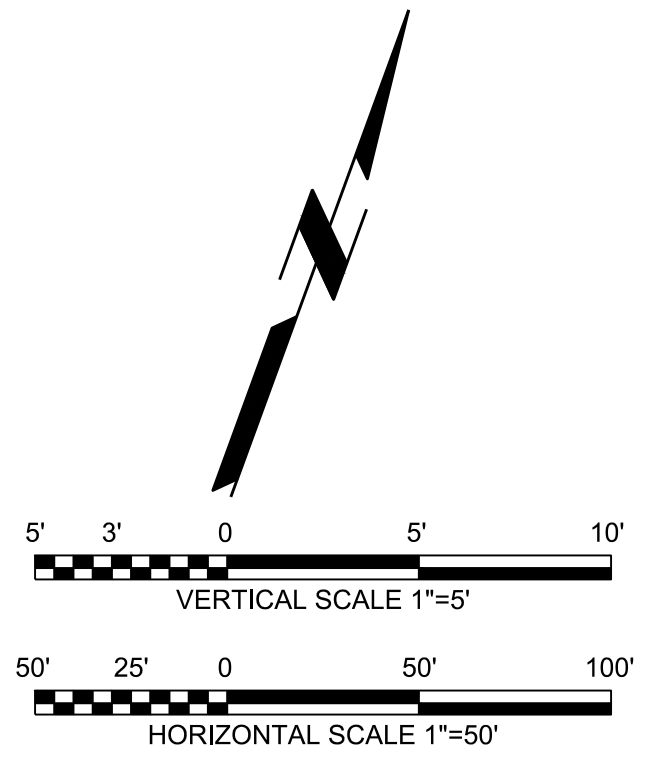
XXX  
OF  
XXX



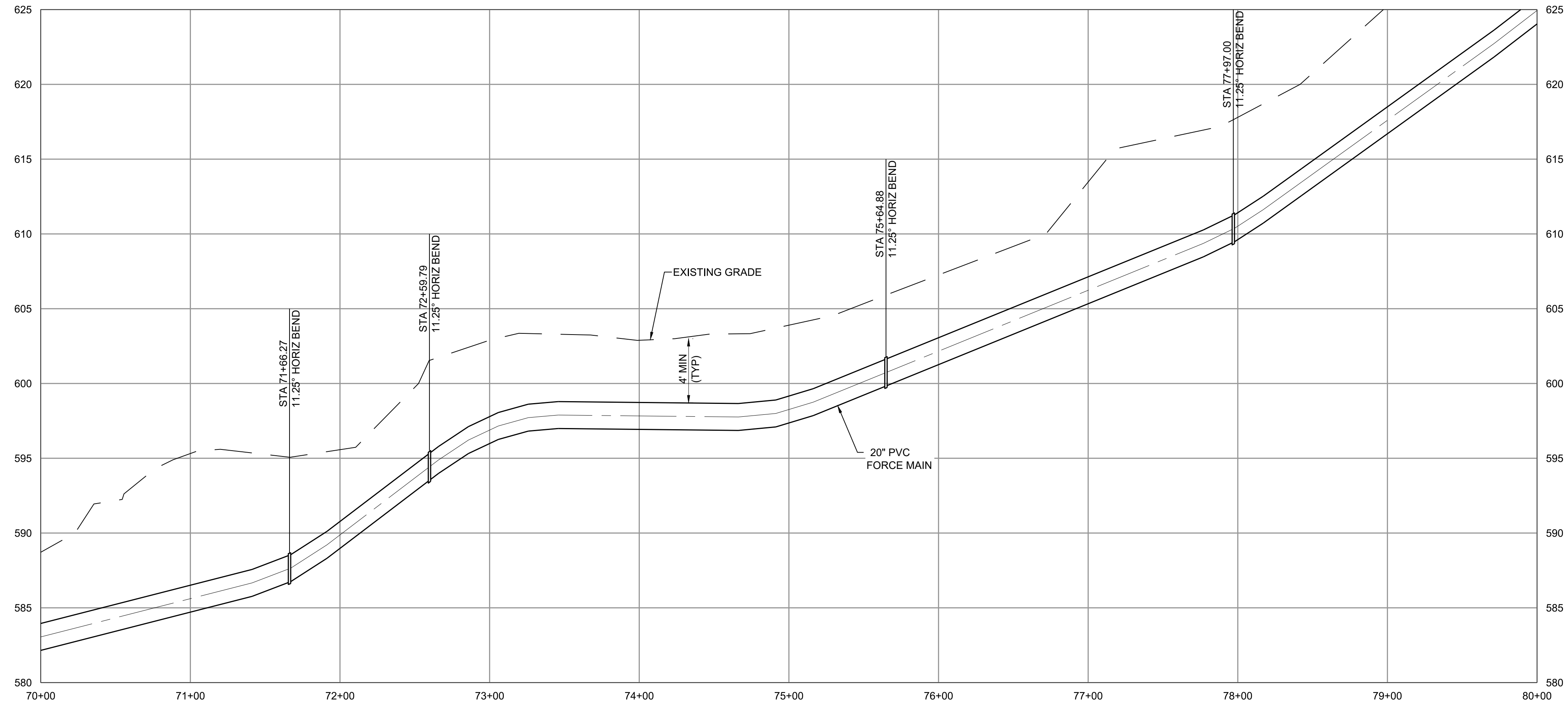
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 PLOT: 01000  
 D:\1000



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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
70+00 TO STA 80+00

C-02-011

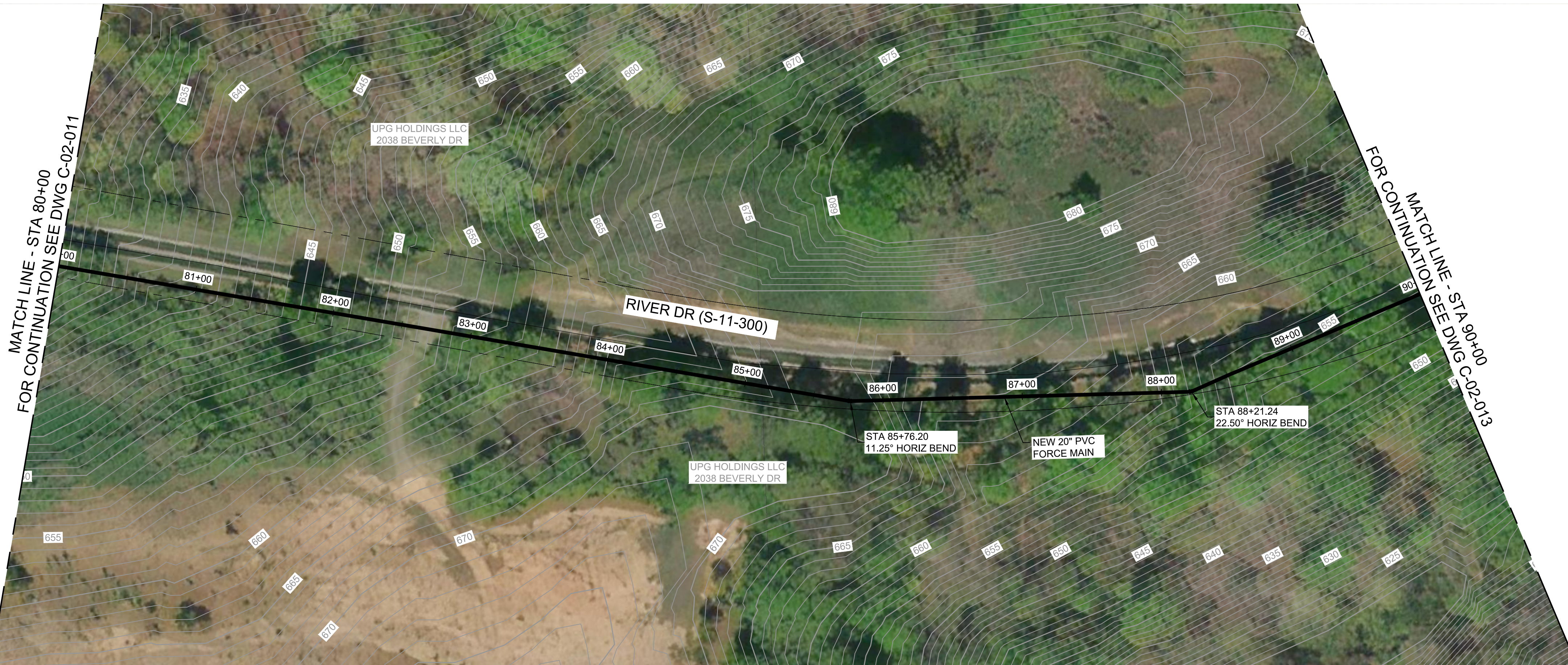
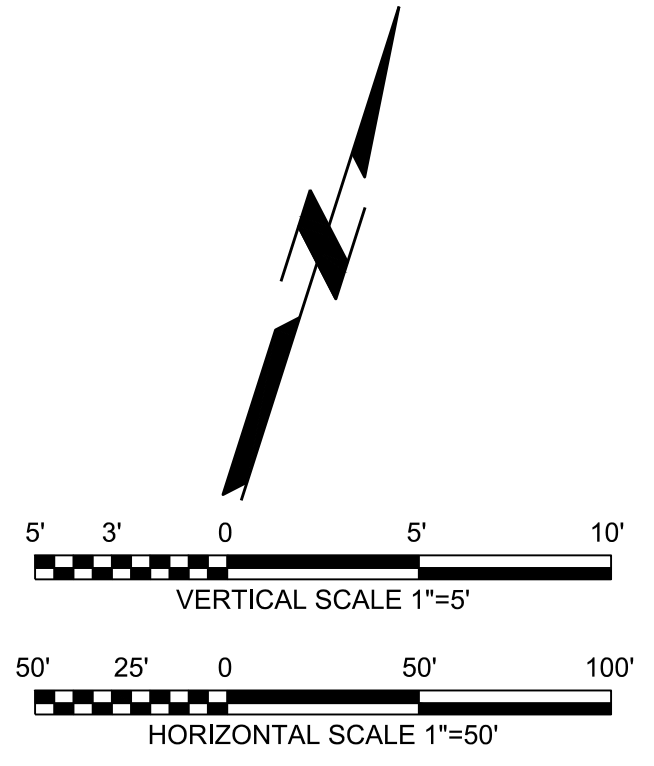
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OF  
XXX

PLOTTED: 5/22/2022 1:52:13 PM  
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 PLOT: 01000  
 D:\1000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



SUBCONSULTANT:



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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

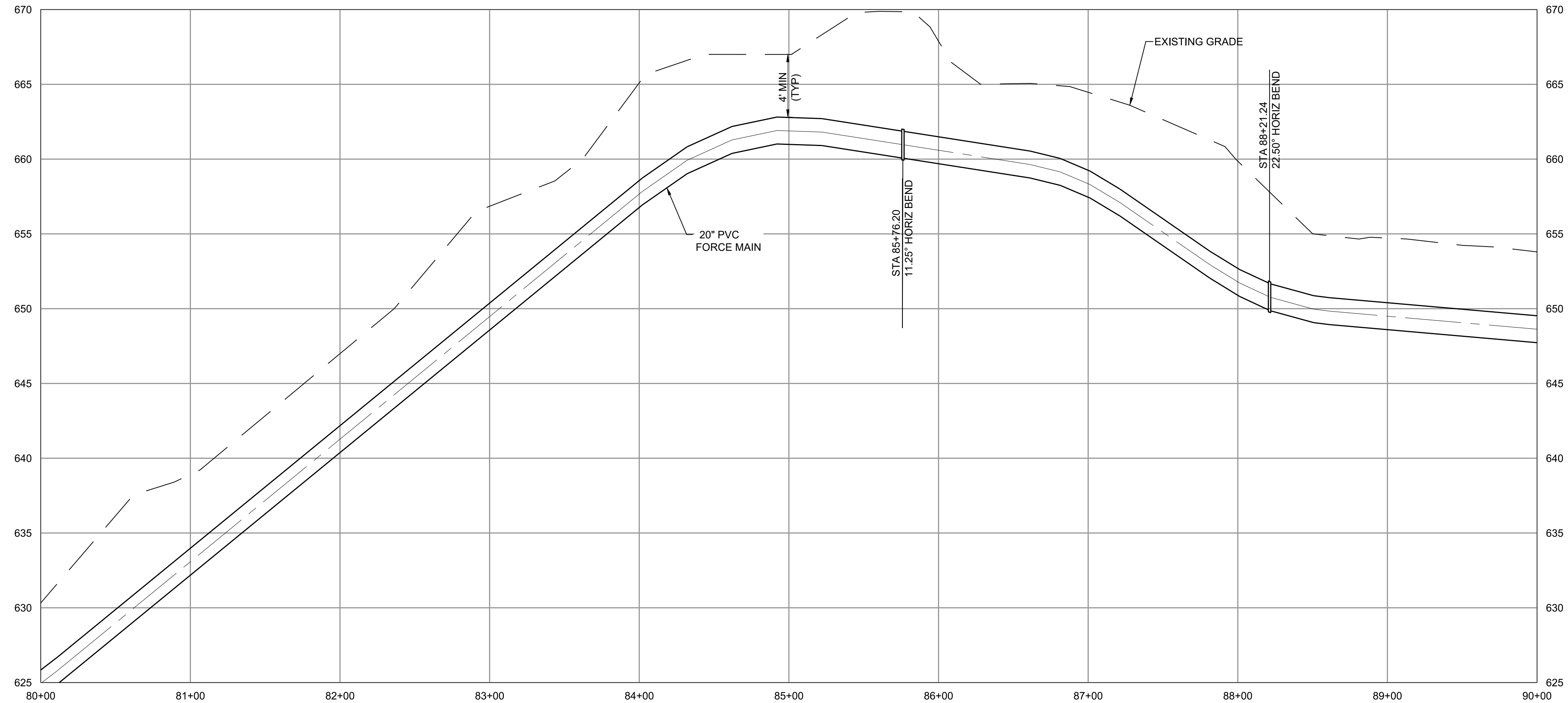
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
80+00 TO STA 90+00

**C-02-012**

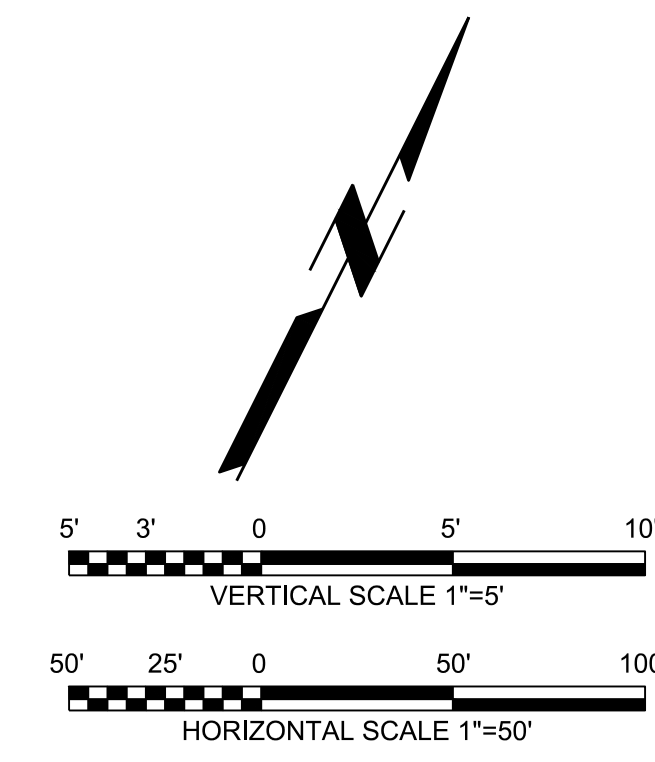
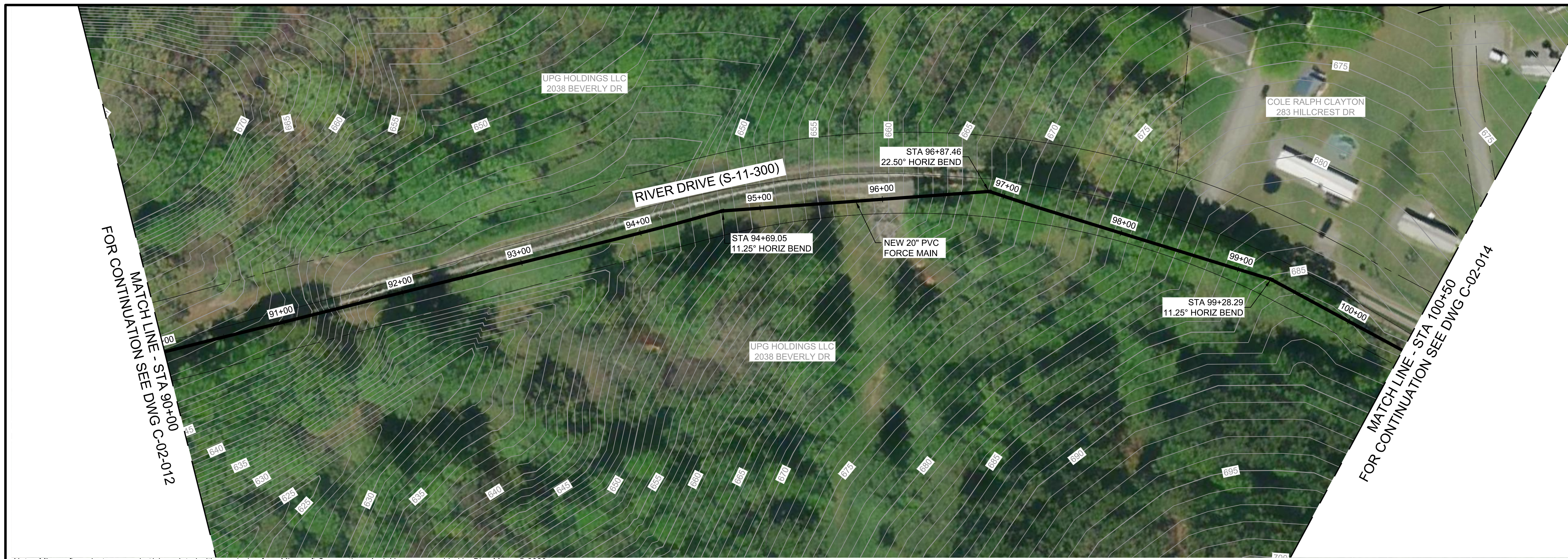
XXX  
OF  
XXX



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



PLOTTED: 5/22/2022 1:53:38 PM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 000  
 D:\1000



**BLACK & VEATCH**  
 Black & Veatch Corporation  
 Greenville, South Carolina

SUBCONSULTANT:

**GAFFNEY BOARD OF PUBLIC WORKS**

PROJECT GATEWAY  
 VOLUME 2 :  
 COLLECTIONS

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
DESIGNED:	LDP
DETAILED:	VSK
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

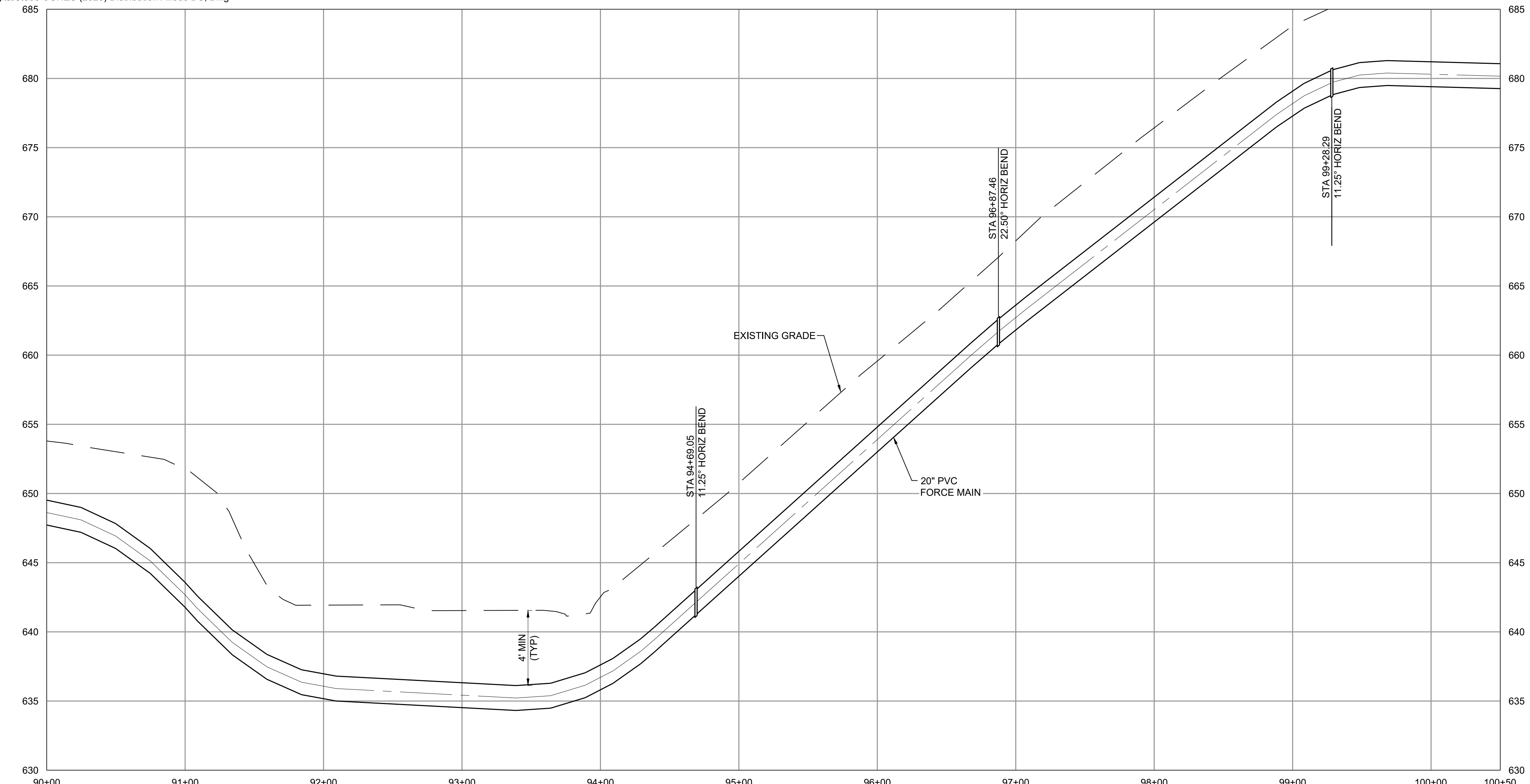
SEGMENT 2  
 FORCE MAIN

CIVIL

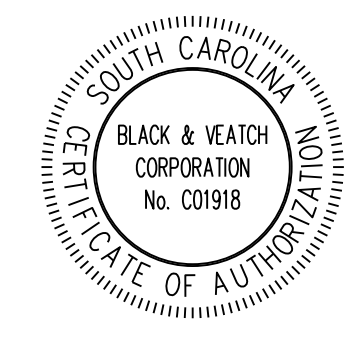
PLAN AND PROFILE STA  
 90+00 TO STA 100+50

**C-02-013**      XXX  
 OF  
 XXX

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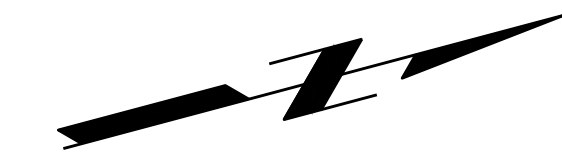


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



PLOTTED: 5/22/2022 1:55:06 PM  
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 PLOT: 011000

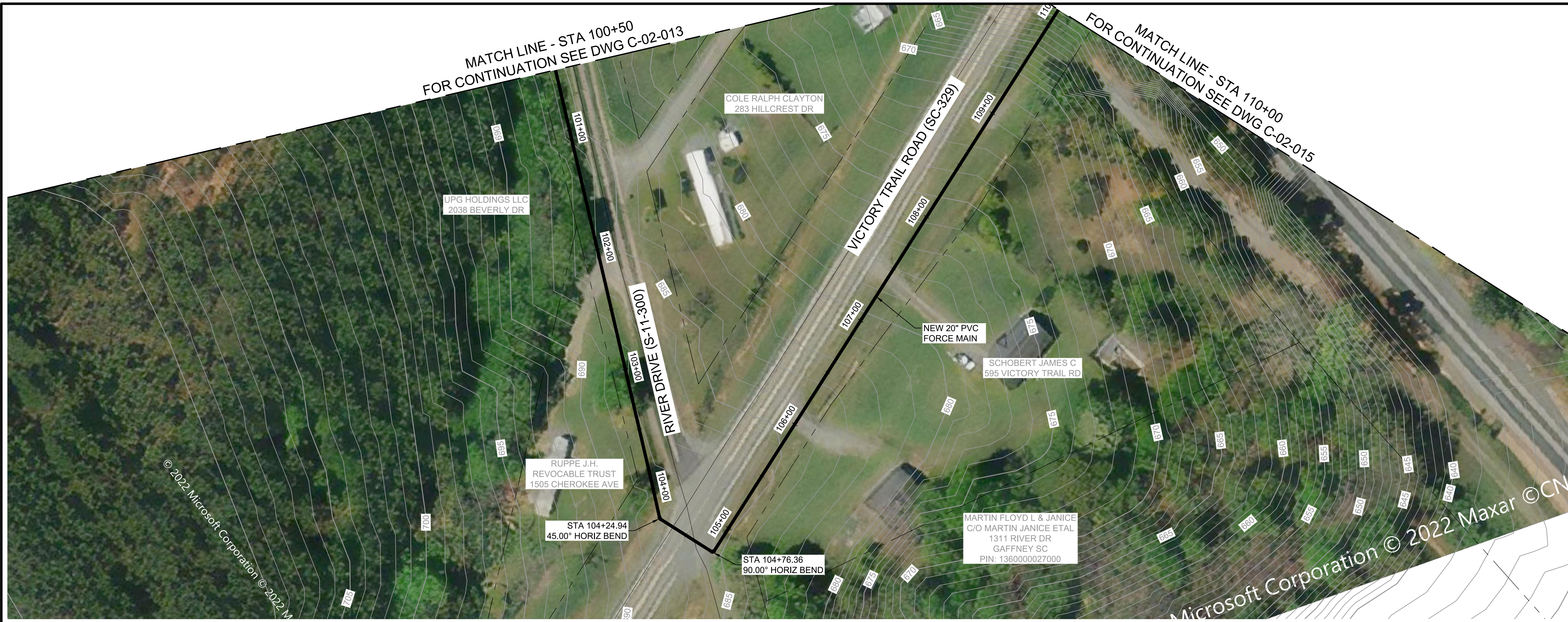
SUBCONSULTANT:



VERTICAL SCALE 1"=5'



HORIZONTAL SCALE 1"=50'



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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

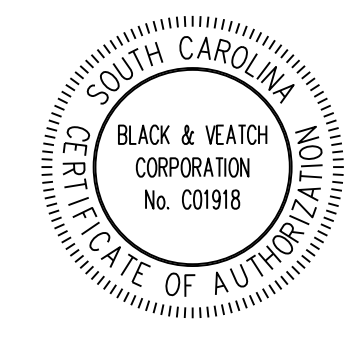
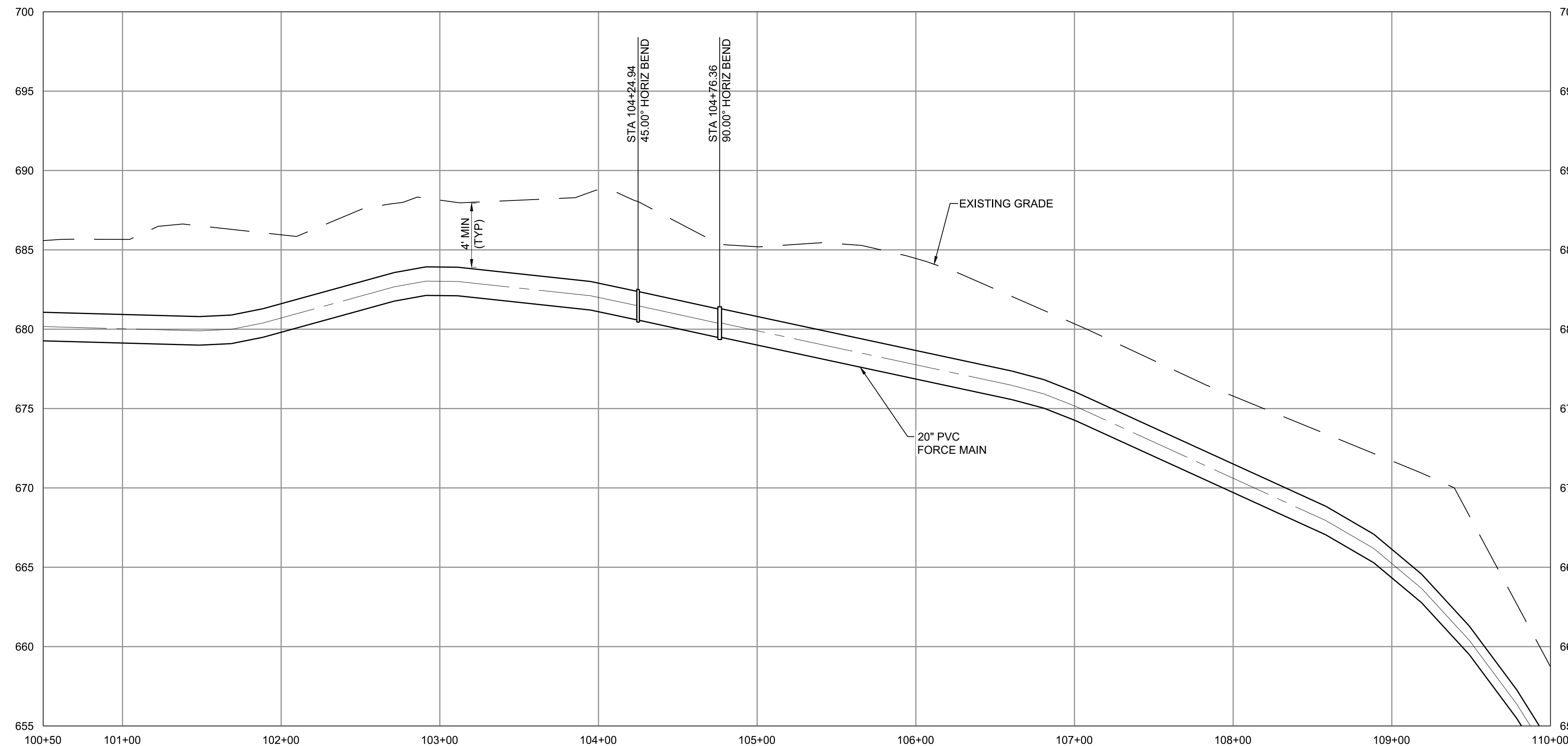
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
100+50 TO STA 110+00

C-02-014

XXX  
OF  
XXX

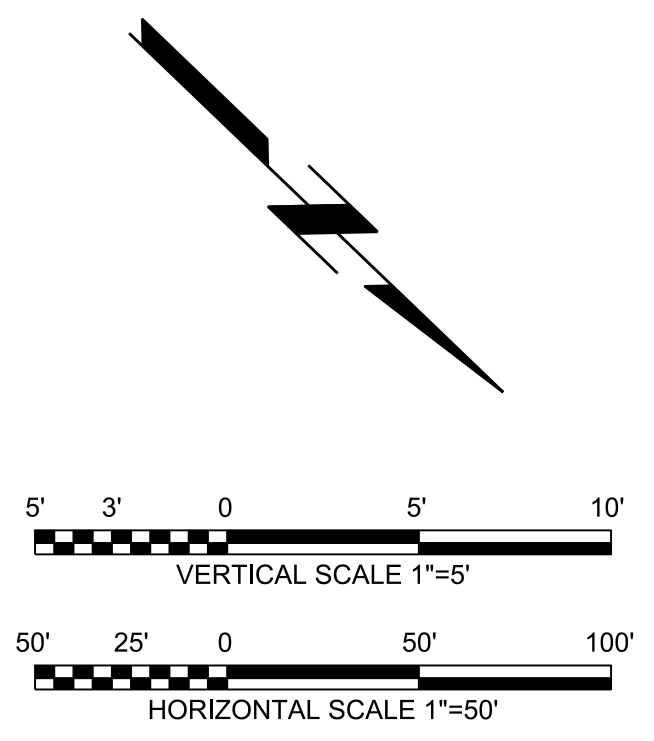


PLOTTED: 5/22/2022 1:56:30 PM  
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 PLOT: 000  
 D: 11000



MATCH LINE - STA 110+00  
FOR CONTINUATION SEE DWG C-02-014

MATCH LINE - STA 120+00  
FOR CONTINUATION SEE DWG C-02-016



SUBCONSULTANT:

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

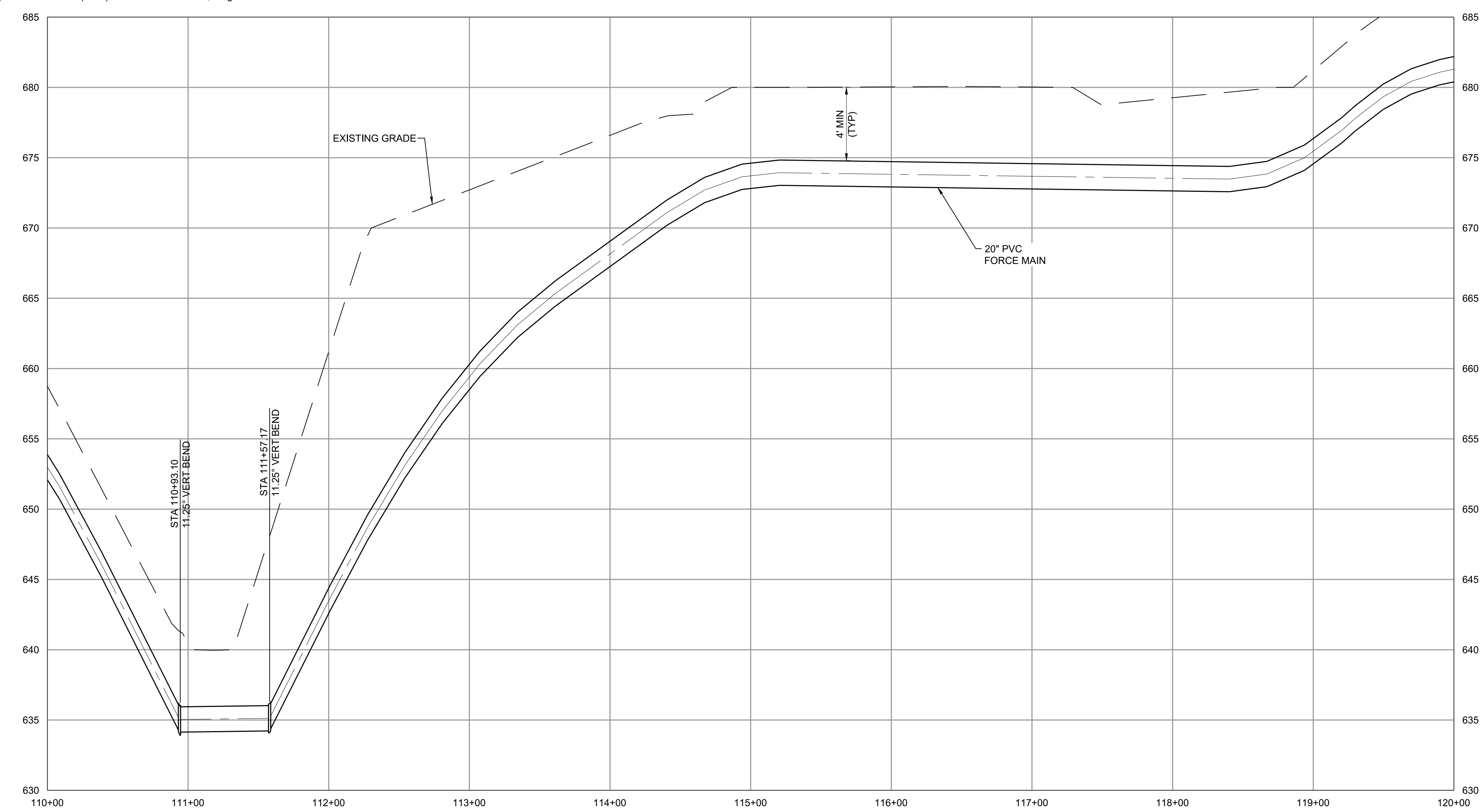
MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 2  
FORCE MAIN  
  
CIVIL

PLAN AND PROFILE STA  
110+00 TO STA 120+00

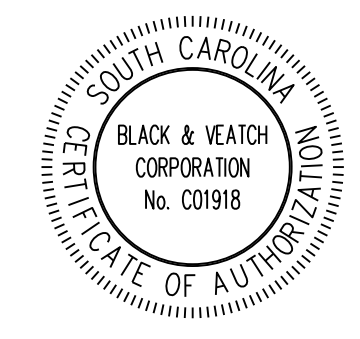
**C-02-015**      XXX  
OF  
XXX

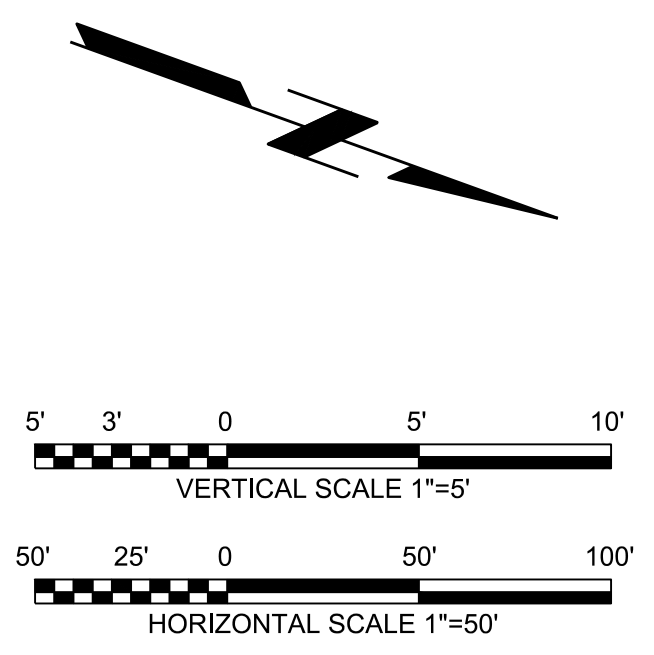
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(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/22/2022 1:57:57 PM  
FILE: C:\PW\WORKING\BWW\_AMERICAS\_20\1562805\410381-SEG2-FM-PP-SHT.DWG  
FDI:000  
D11000





**BLACK & VEATCH**  
 Black & Veatch Corporation  
 Greenville, South Carolina

SUBCONSULTANT:

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PROJECT GATEWAY  
 VOLUME 2 :  
 COLLECTIONS

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 2  
 FORCE MAIN

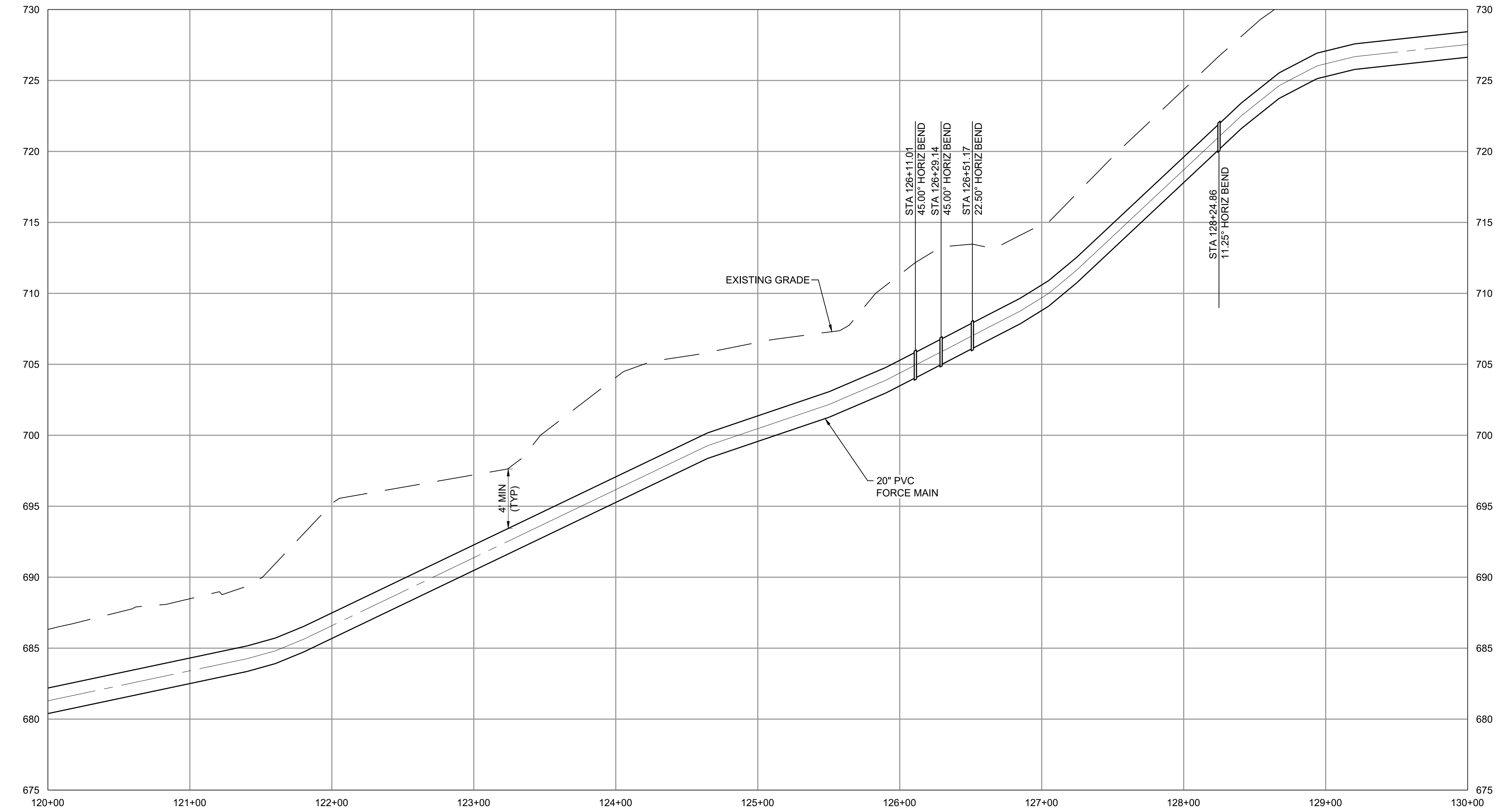
CIVIL

PLAN AND PROFILE STA  
 120+00 TO STA 130+00

**C-02-016**

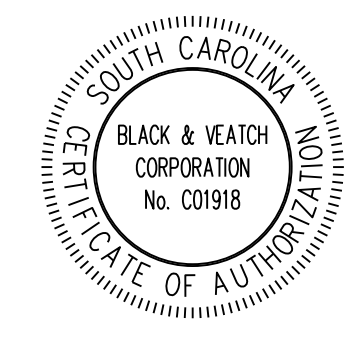
XXX  
 OF  
 XXX

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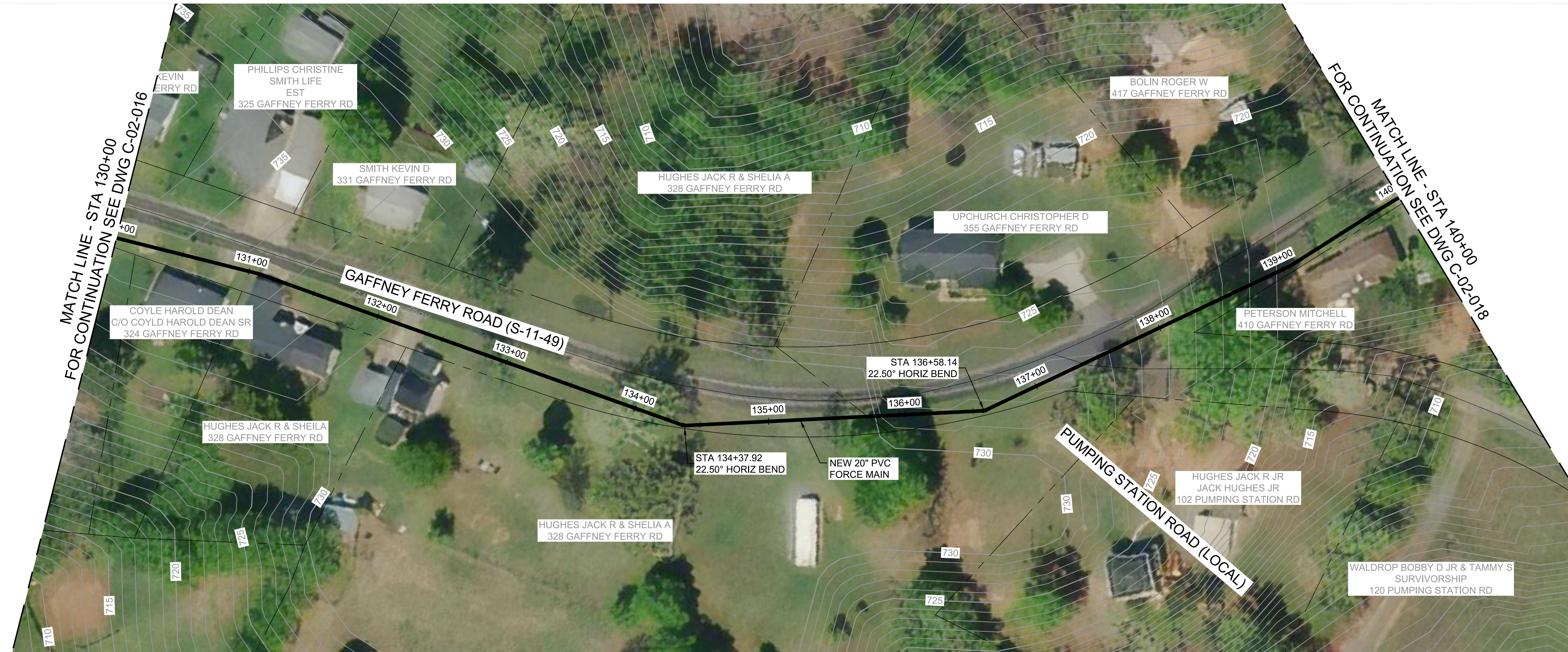
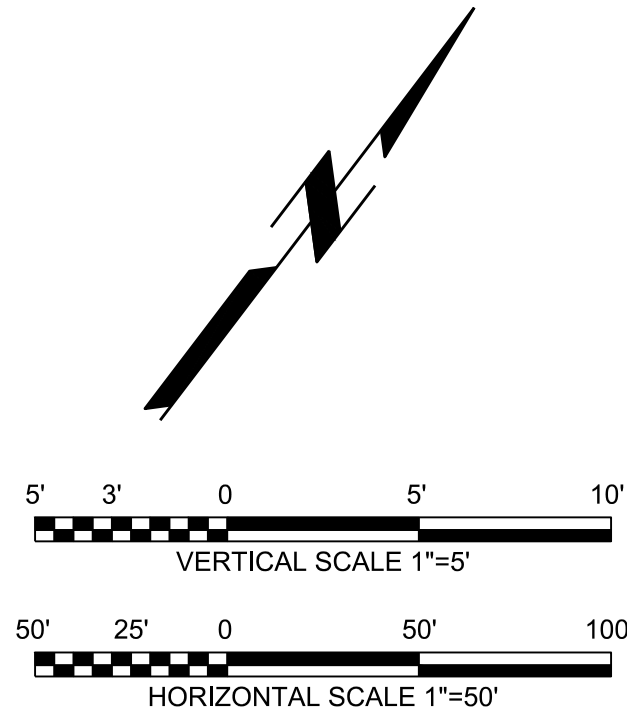


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/22/2022 1:59:28 PM  
 FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805\410381-SEG2-FM\PP-SHT.DWG  
 PLOT: 01000  
 D:\1000



SUBCONSULTANT:



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VOLUME 2 :  
COLLECTIONS

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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

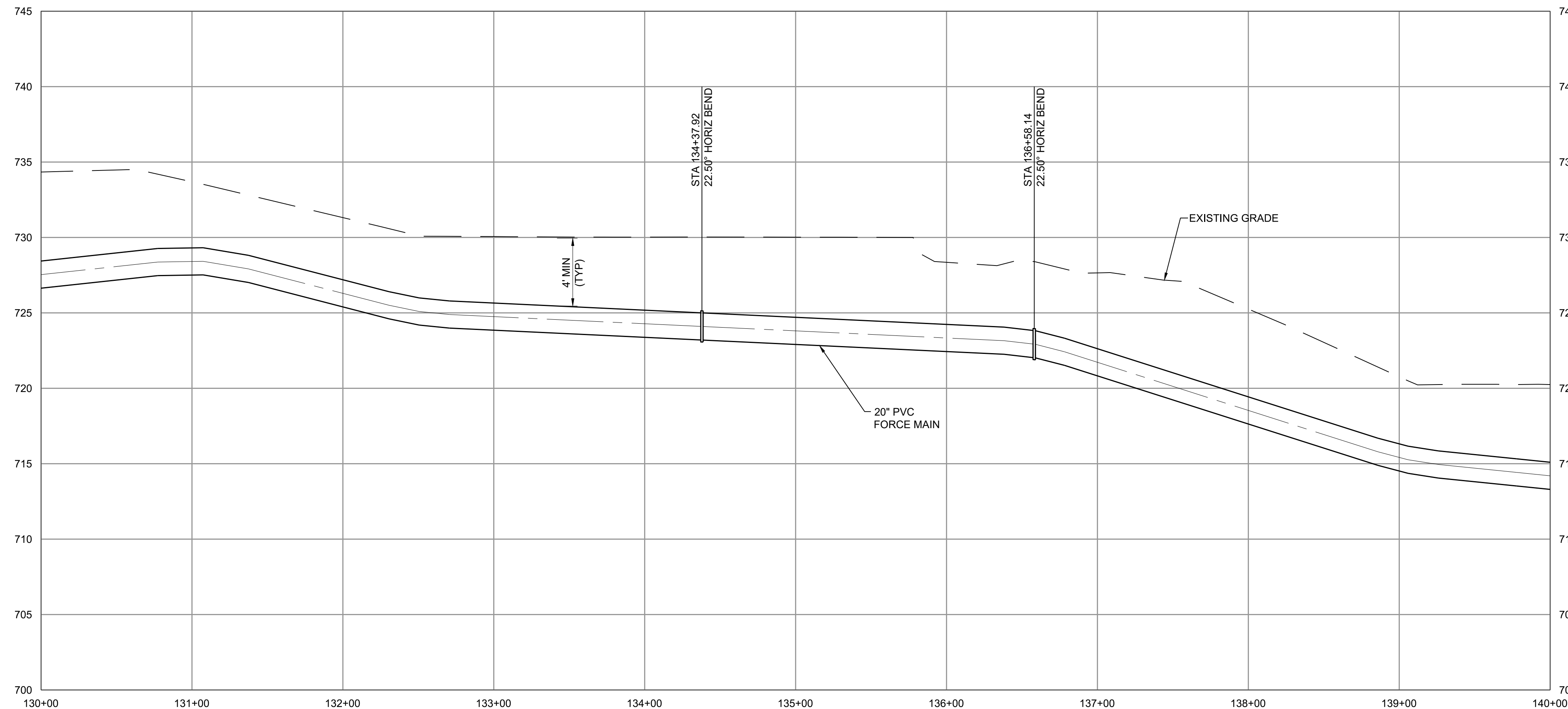
SEGMENT 2  
FORCE MAIN

CIVIL

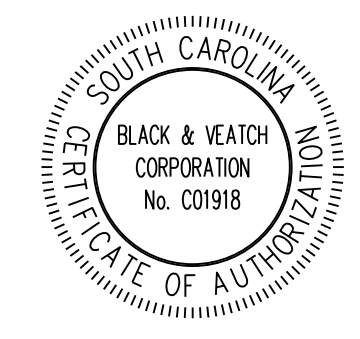
PLAN AND PROFILE STA  
130+00 TO STA 140+00

C-02-017

XXX  
OF  
XXX

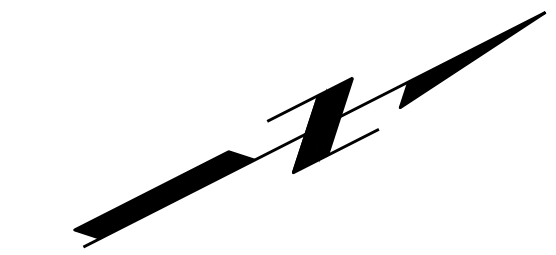


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



PLOTTED: 5/23/2022 12:00:58 AM  
 FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 000  
 D:\1000

SUBCONSULTANT:



MATCH LINE - STA 140+00  
FOR CONTINUATION SEE DWG C-02-017

MATCH LINE - STA 150+00  
FOR CONTINUATION SEE DWG C-02-019

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VOLUME 2 :  
COLLECTIONS

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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

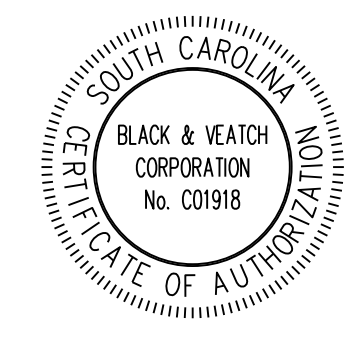
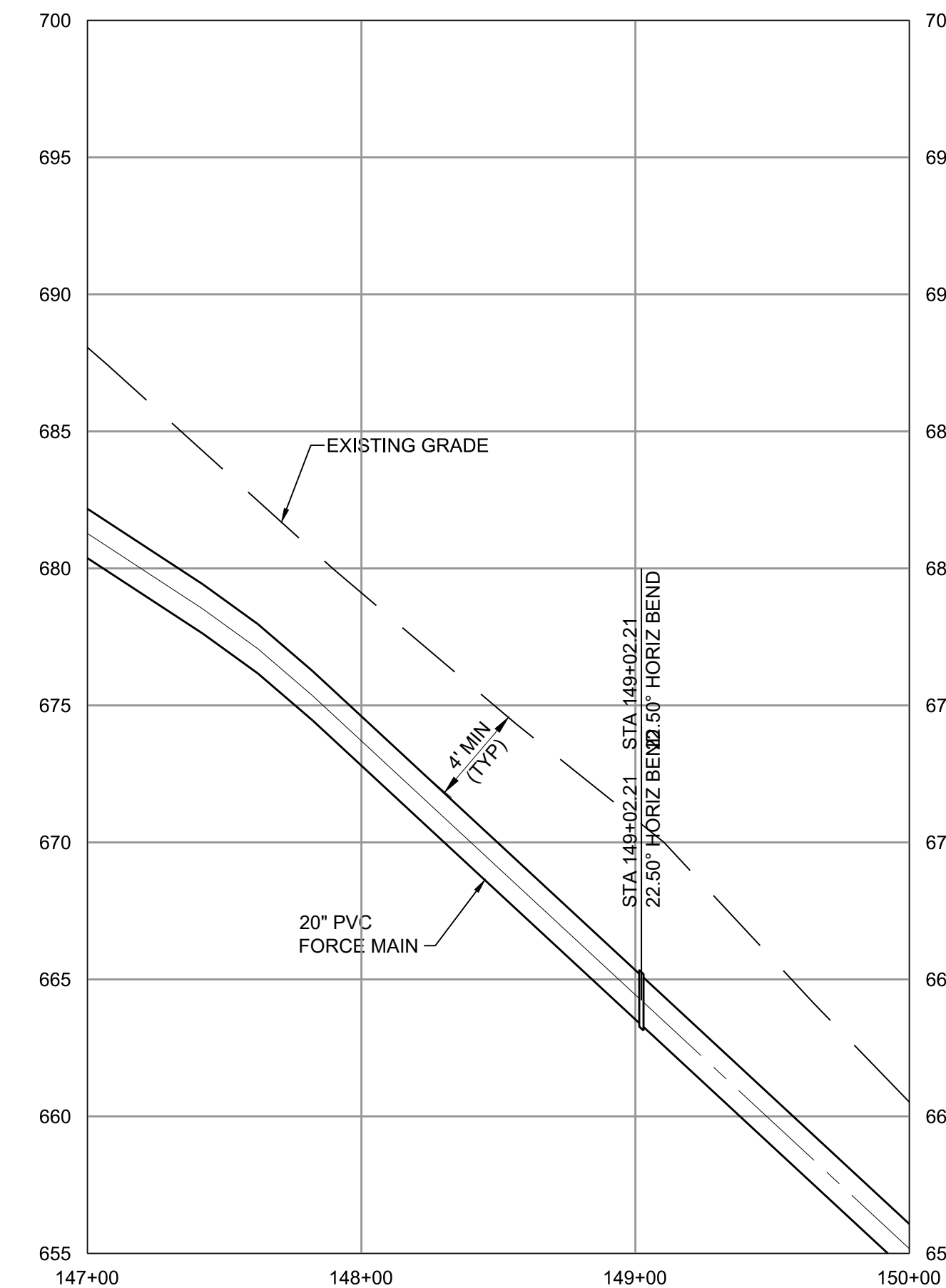
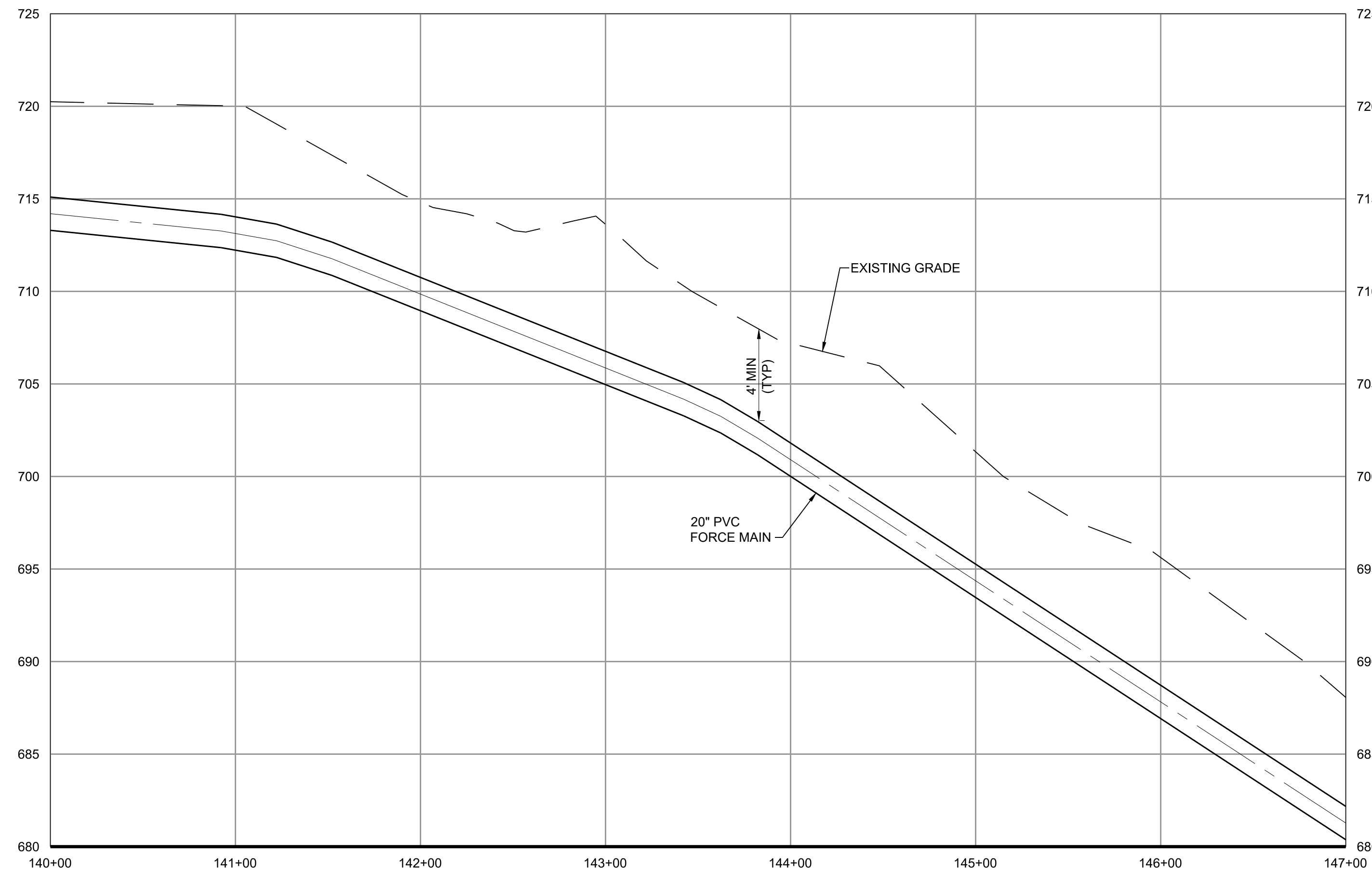
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
140+00 TO STA 150+00

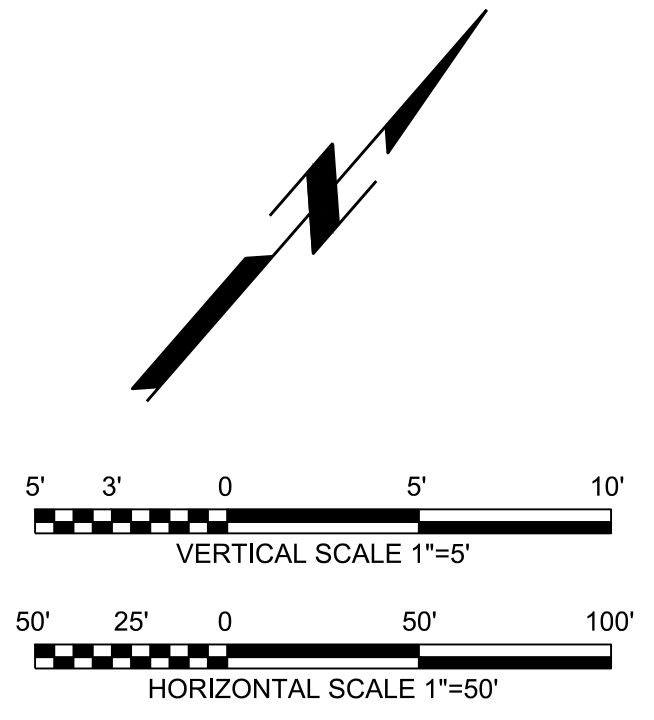
C-02-018

XXX  
OF  
XXX



PLOTTED: 5/23/2022 6:52:38 PM  
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FDI:000  
D11000

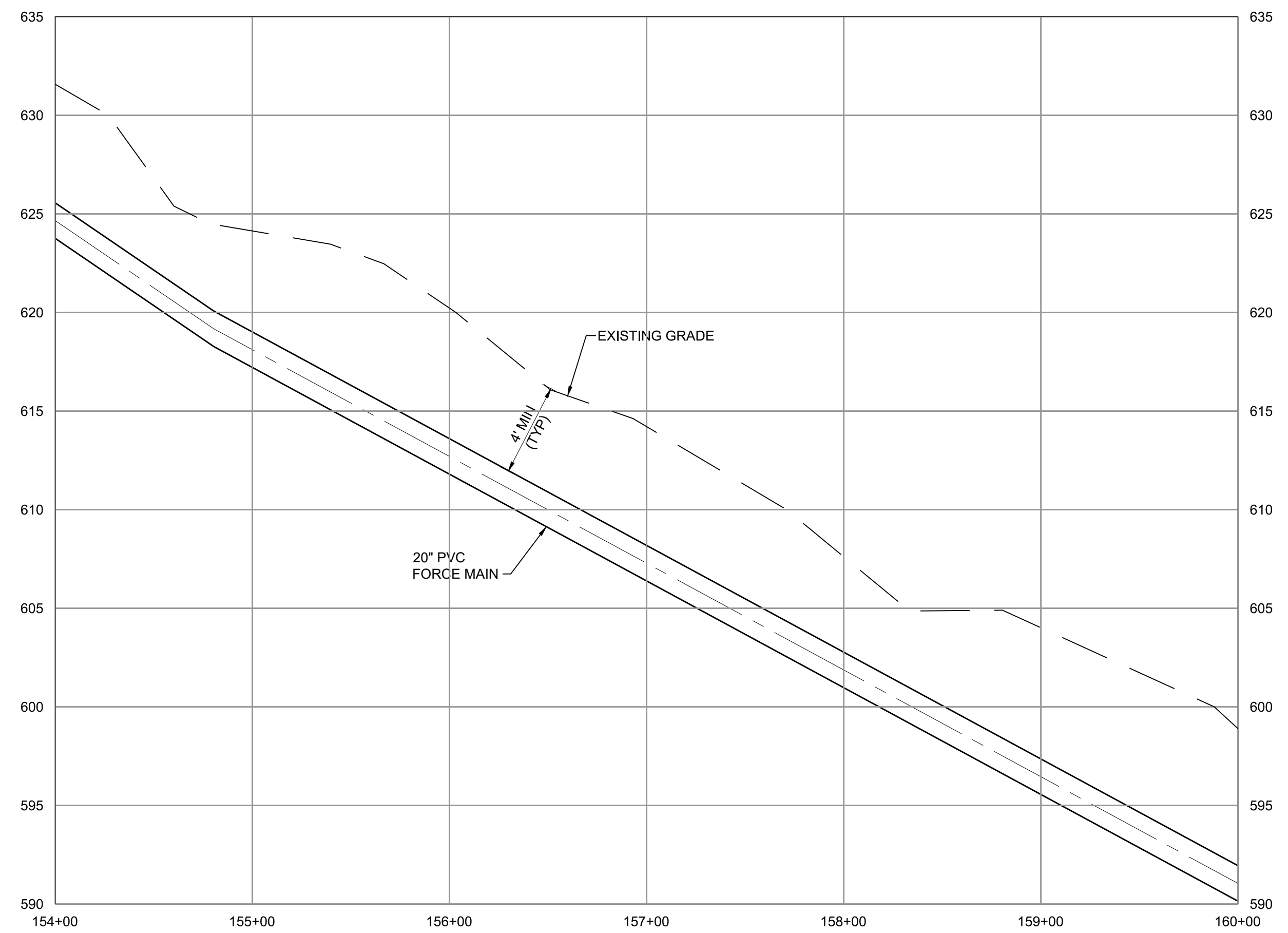
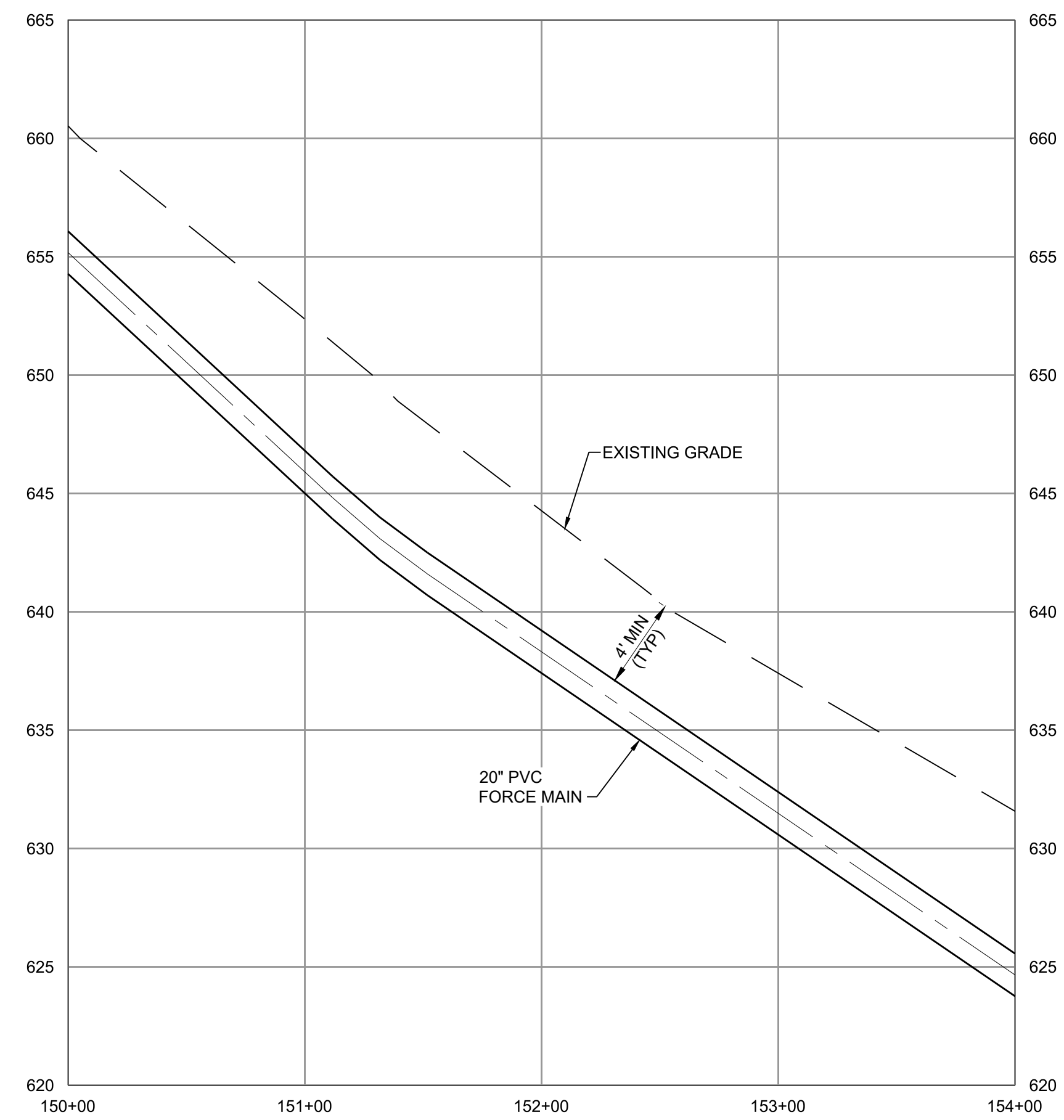
SUBCONSULTANT:



MATCH LINE - STA 150+00  
FOR CONTINUATION SEE DWG C-02-018

MATCH LINE - STA 160+00  
FOR CONTINUATION SEE DWG C-02-020

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
DESIGNED:	LDP
DETAILED:	VSK
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
150+00 TO STA 160+00

C-02-019

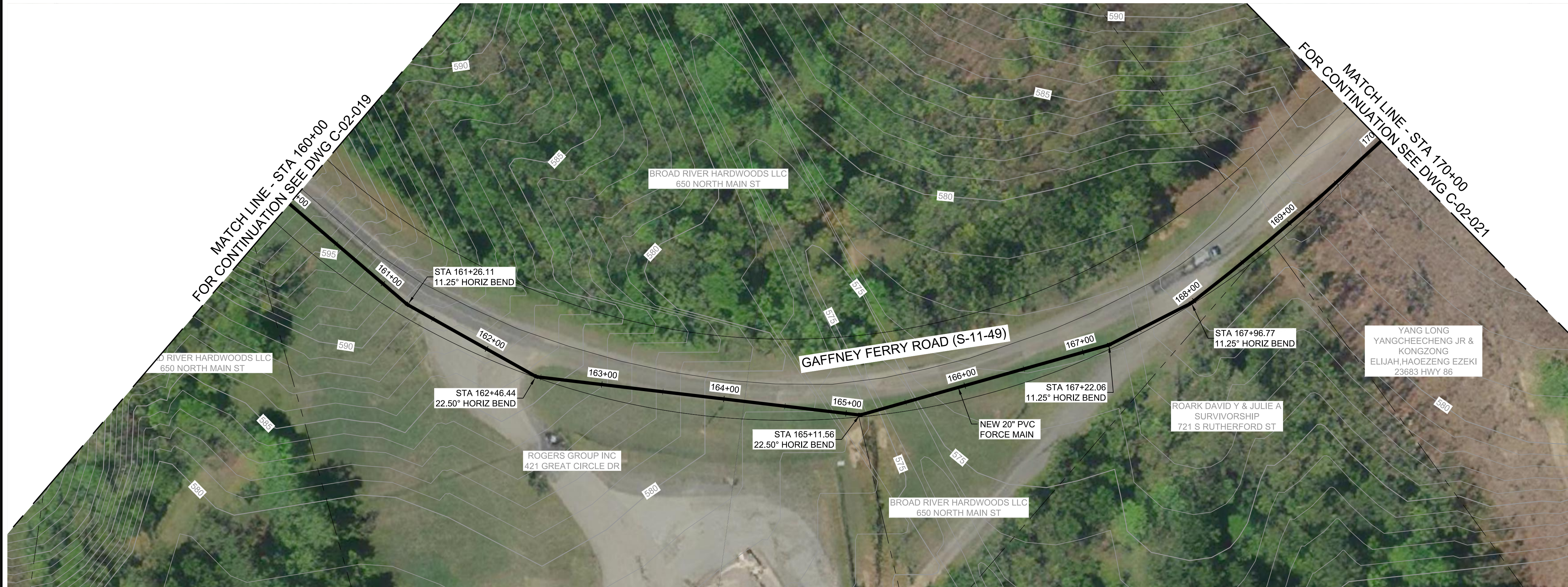
XXX  
OF  
XXX

PLOTTED: 5/23/2022 12:03:48 AM  
FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805\410381-SEG2-FM\PP-SHT.DWG  
FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



SUBCONSULTANT:



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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

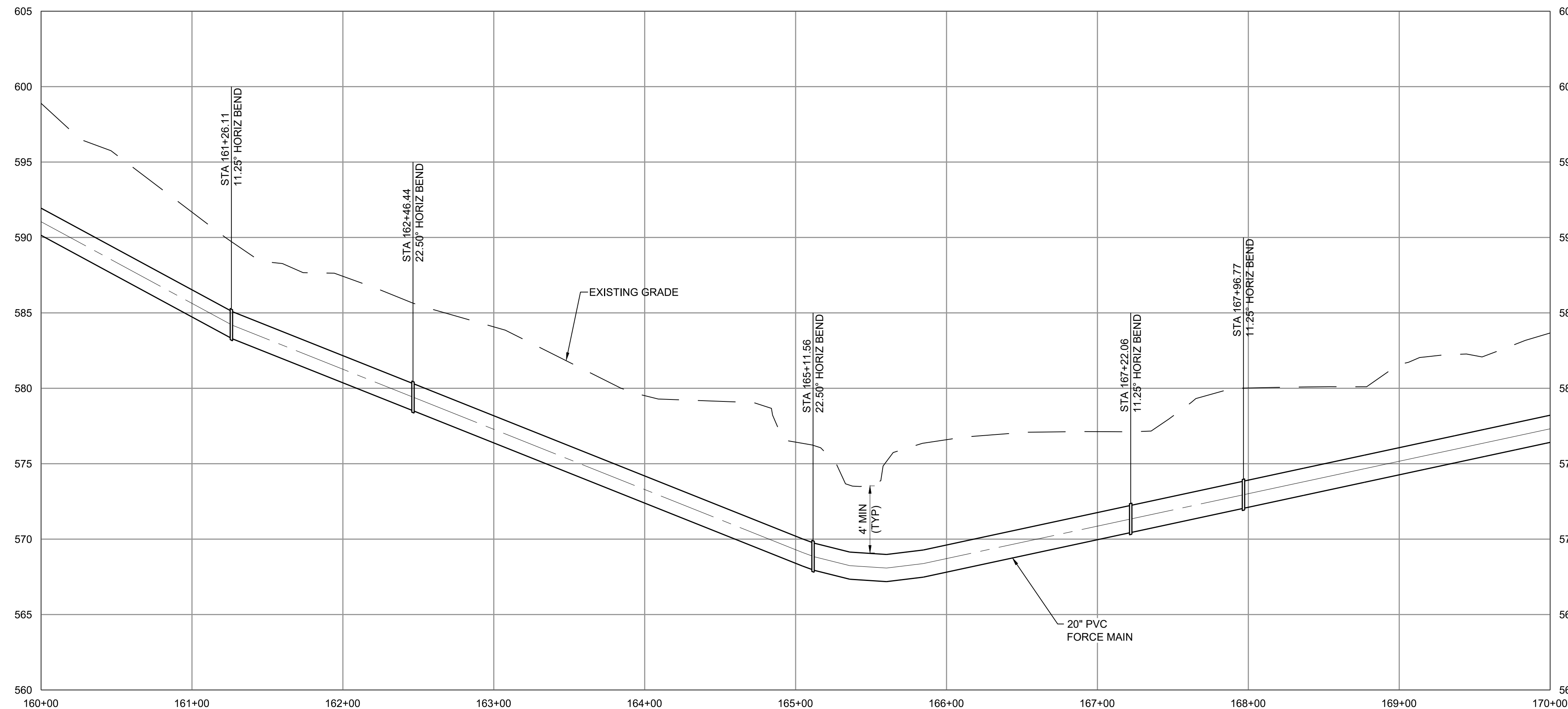
SEGMENT 2  
FORCE MAIN

CIVIL

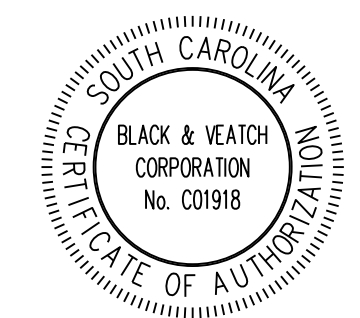
PLAN AND PROFILE STA  
160+00 TO STA 170+00

**C-02-020**

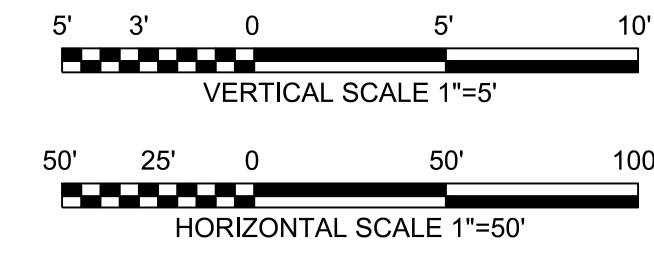
XXX  
OF  
XXX



PLOTTED: 5/23/2022 12:05:14 AM  
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 PLOT: 01000  
 D:\1000



SUBCONSULTANT:



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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

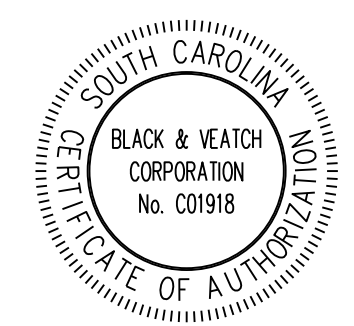
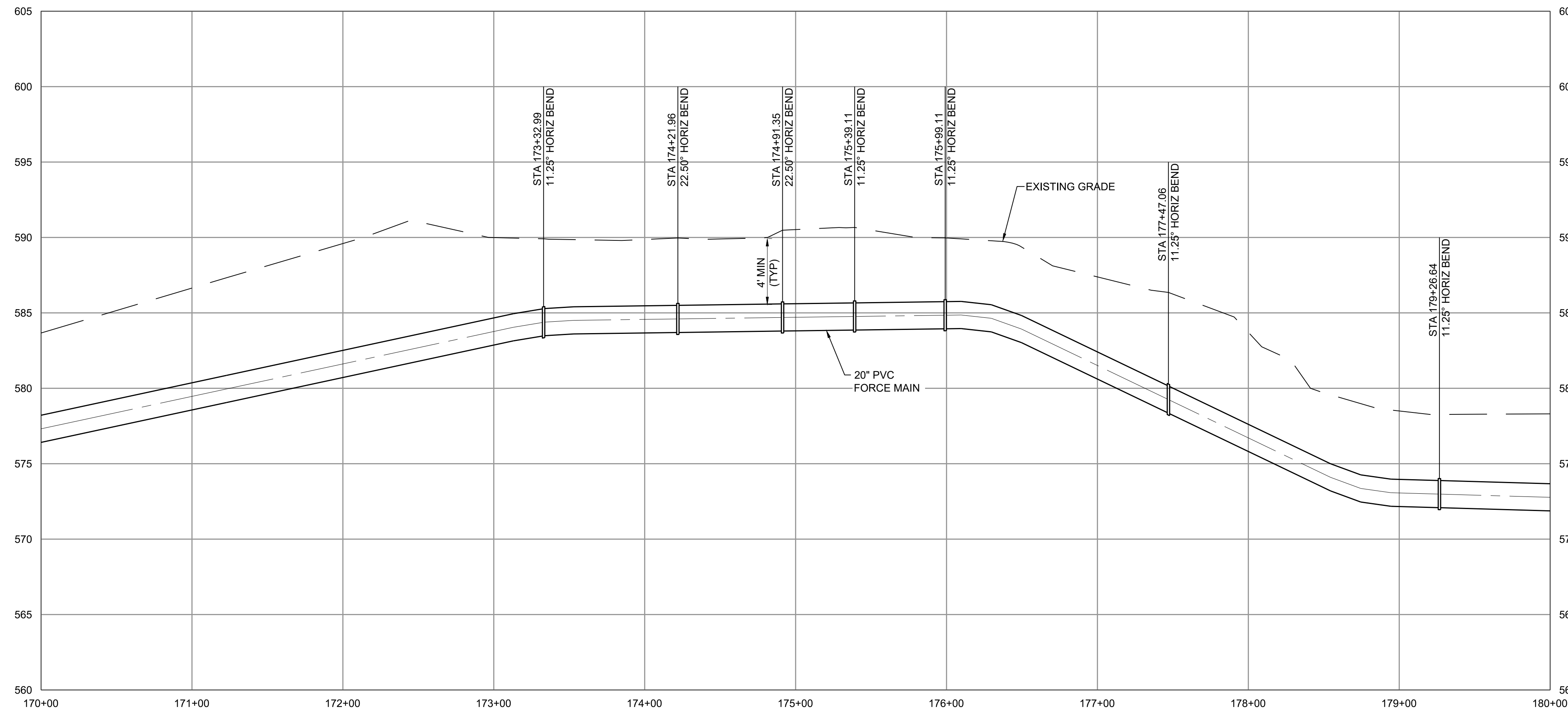
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
170+00 TO STA 180+00

C-02-021

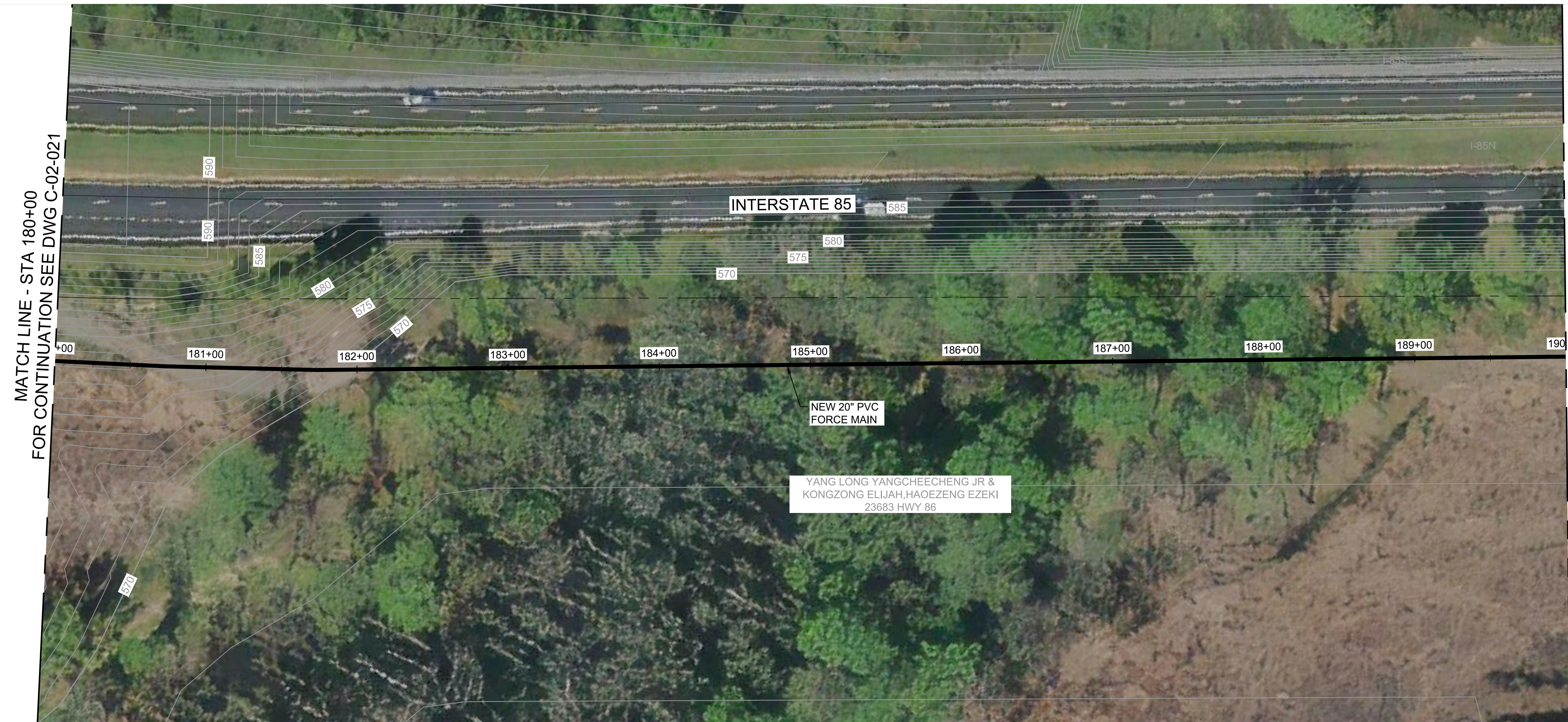
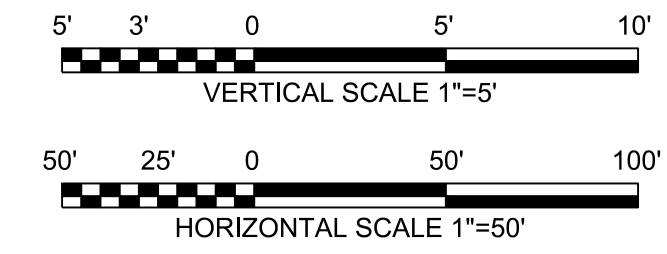
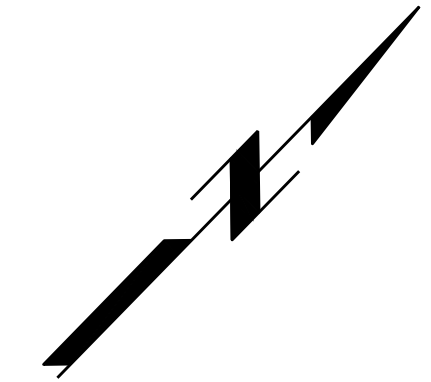
XXX  
OF  
XXX



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/23/2022 12:06:40 AM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM\PP-SHT.DWG  
 PLOT: 000  
 D:\1000

SUBCONSULTANT:



MATCH LINE - STA 180+00  
FOR CONTINUATION SEE DWG C-02-021

MATCH LINE - STA 190+00  
FOR CONTINUATION SEE DWG C-02-023

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

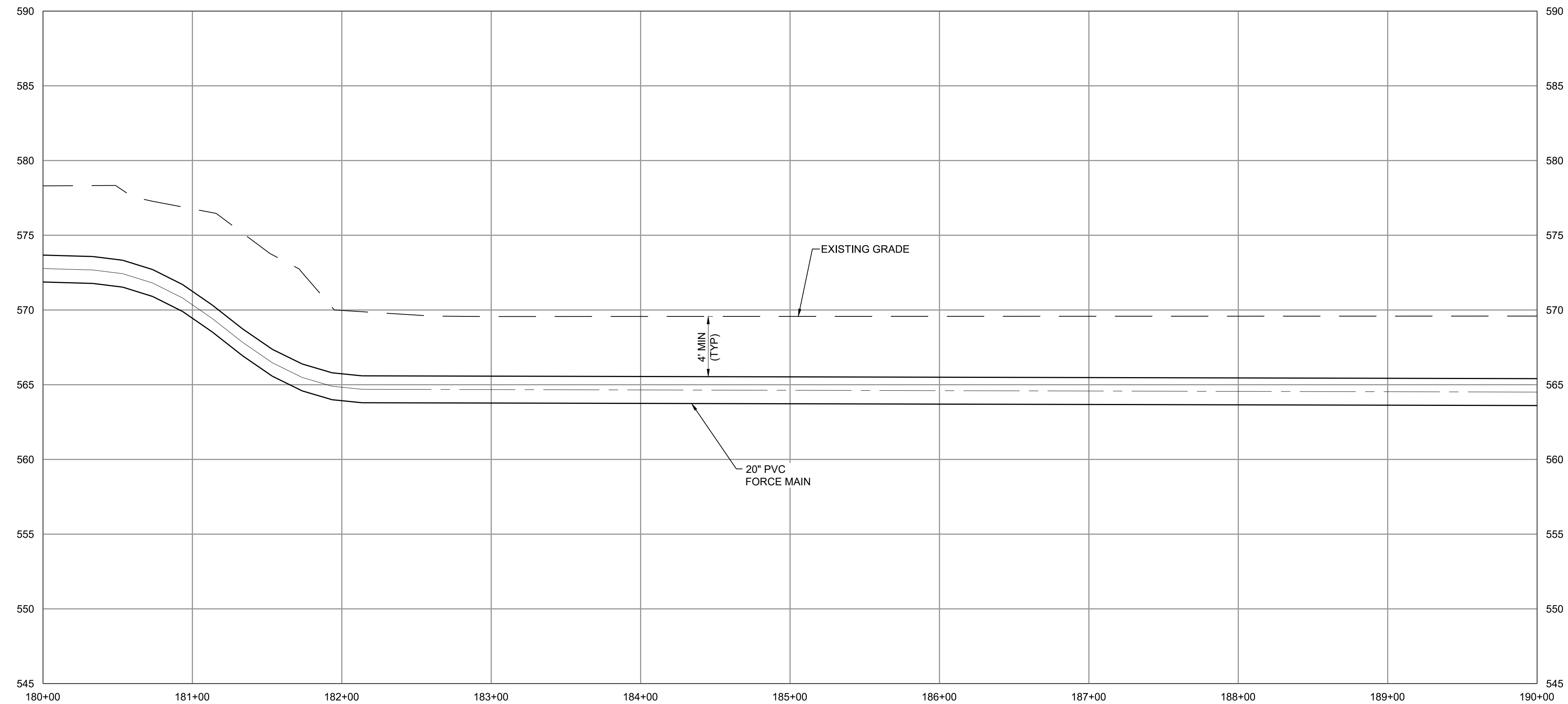
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
180+00 TO STA 190+00

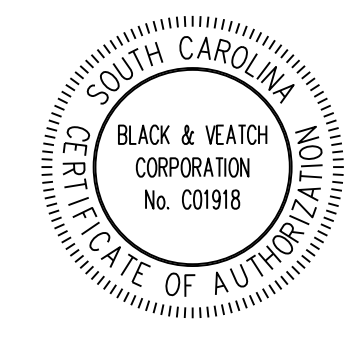
**C-02-022**

XXX  
OF  
XXX

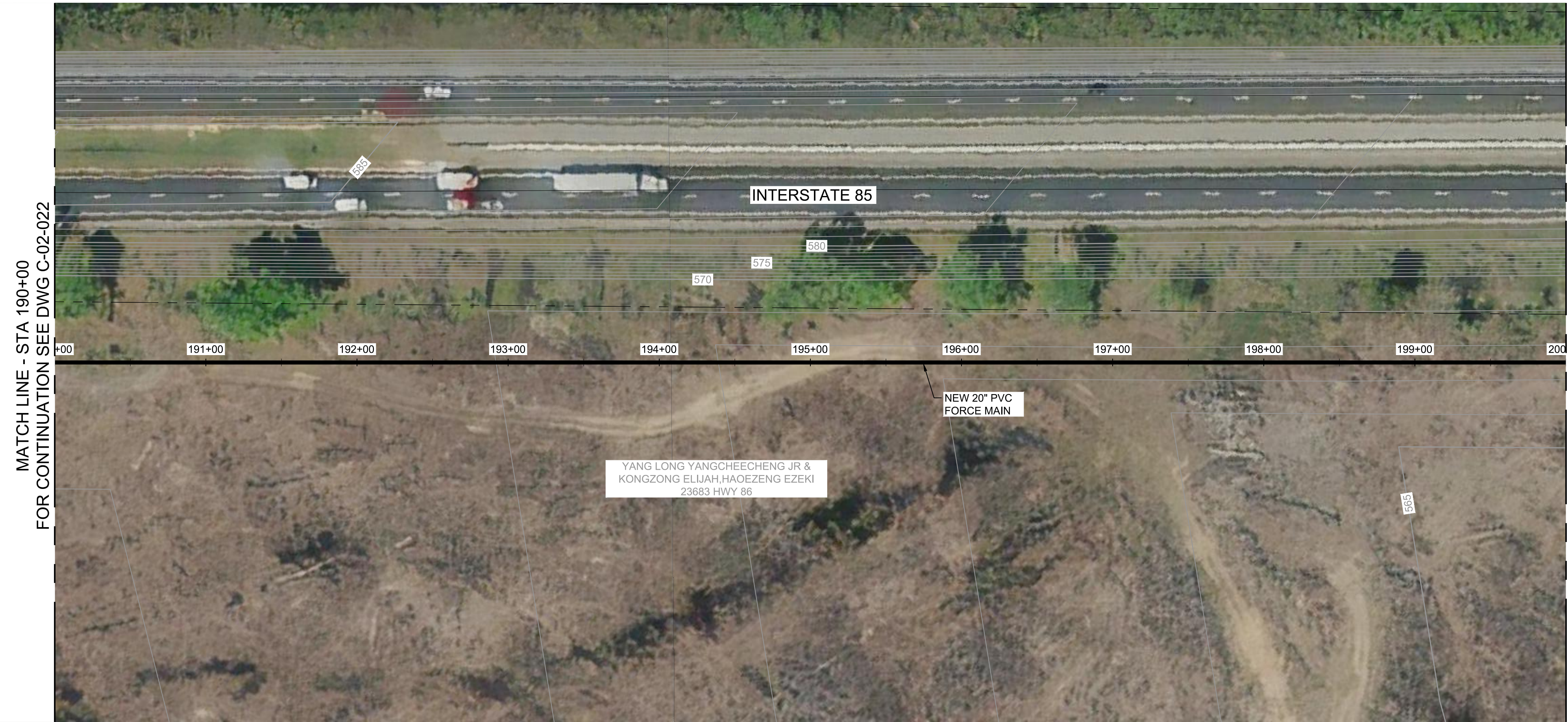
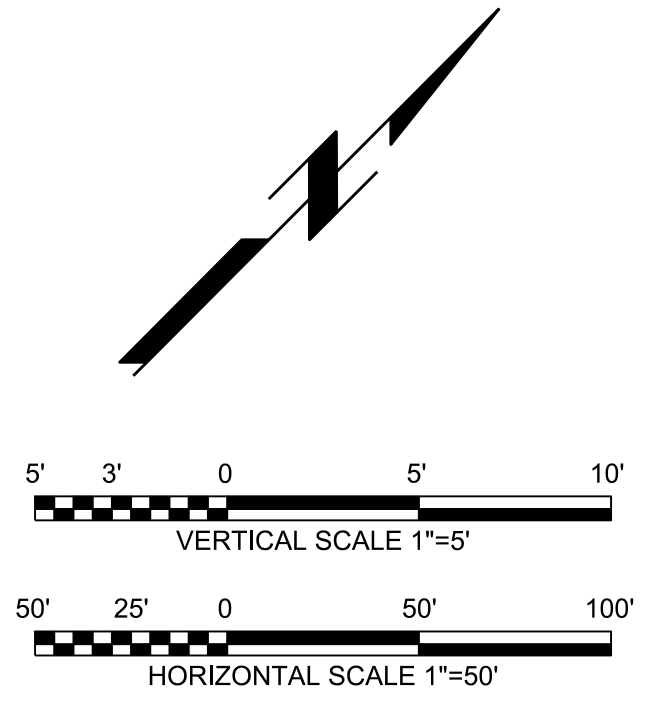


PLOTTED: 5/23/2022 12:06:05 AM  
FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM\PP-SHT.DWG  
FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



SUBCONSULTANT:



MATCH LINE - STA 190+00  
FOR CONTINUATION SEE DWG C-02-022

MATCH LINE - STA 200+00  
FOR CONTINUATION SEE DWG C-02-024

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

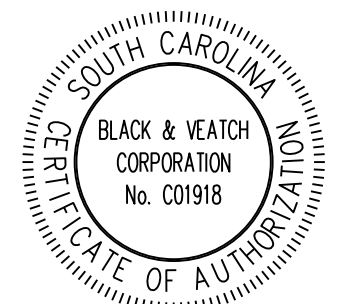
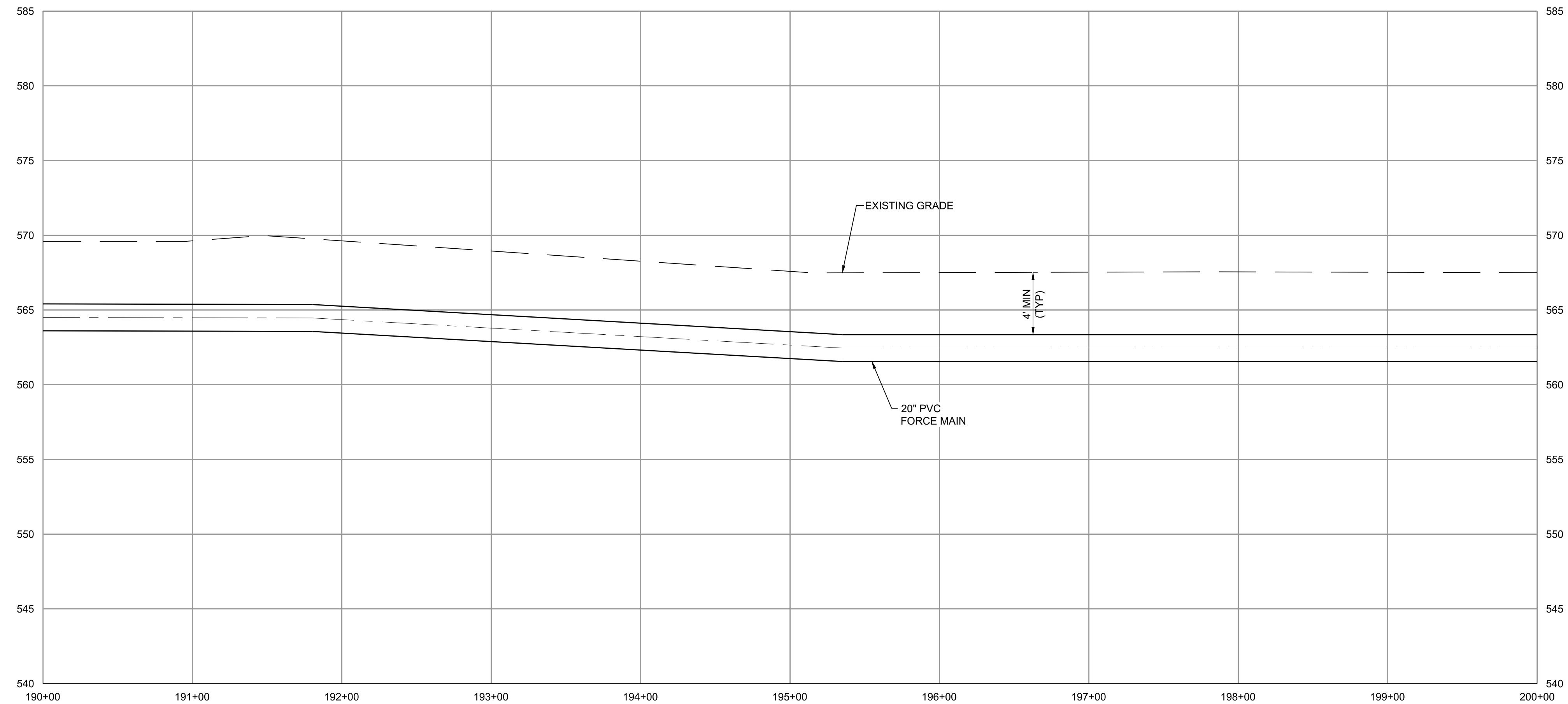
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
190+00 TO STA 200+00

**C-02-023**

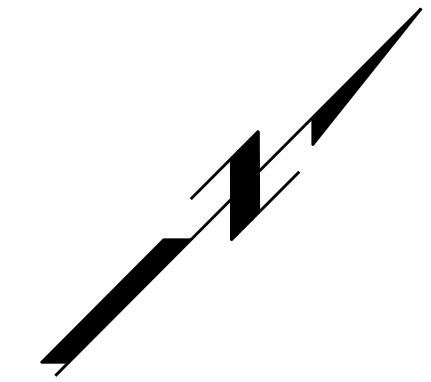
XXX  
OF  
XXX



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/23/2022 12:09:29 AM  
FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
FDI:000  
D11000

SUBCONSULTANT:



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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

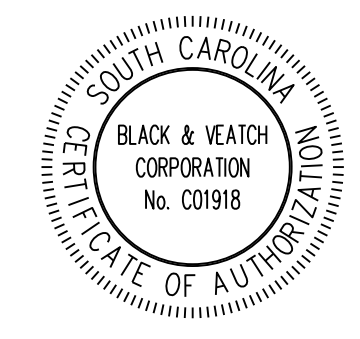
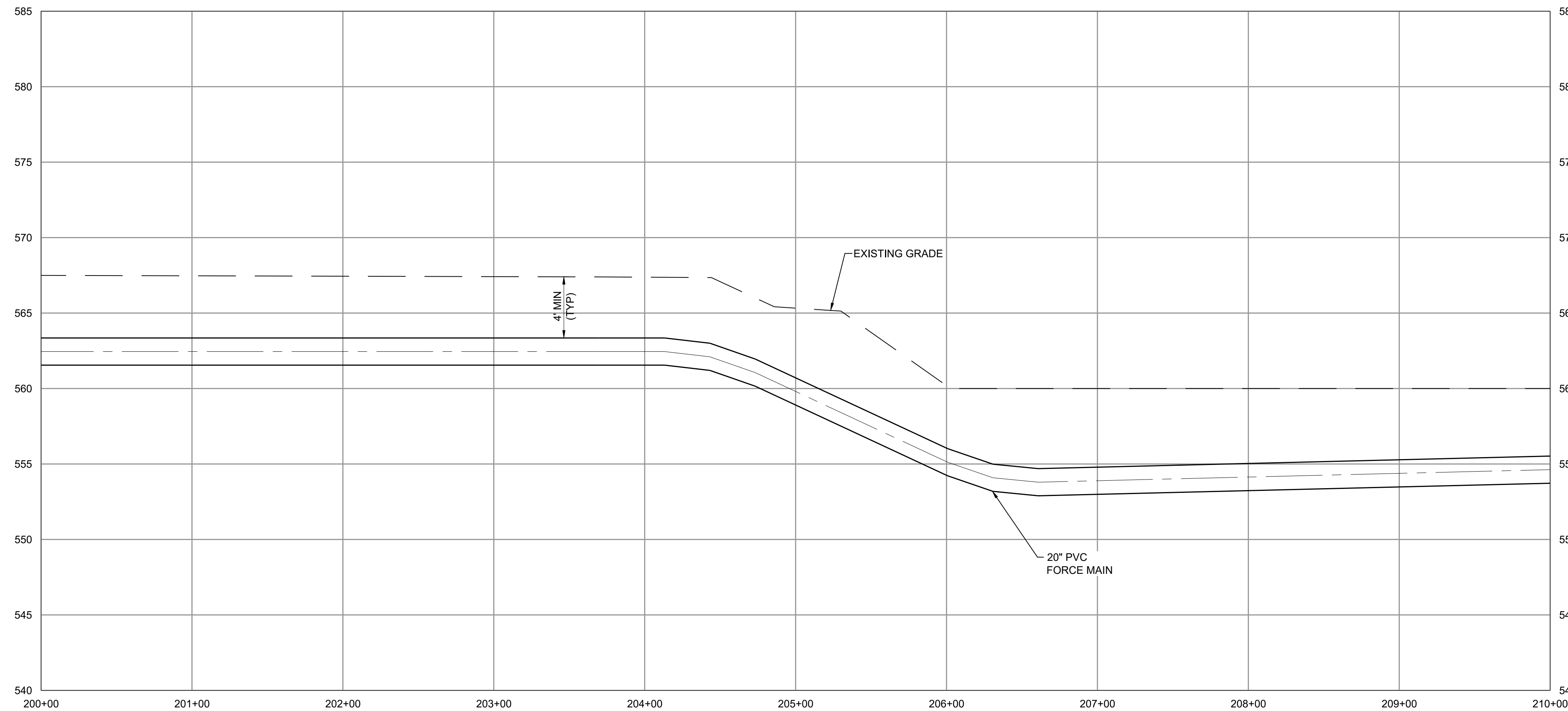
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
200+00 TO STA 210+00

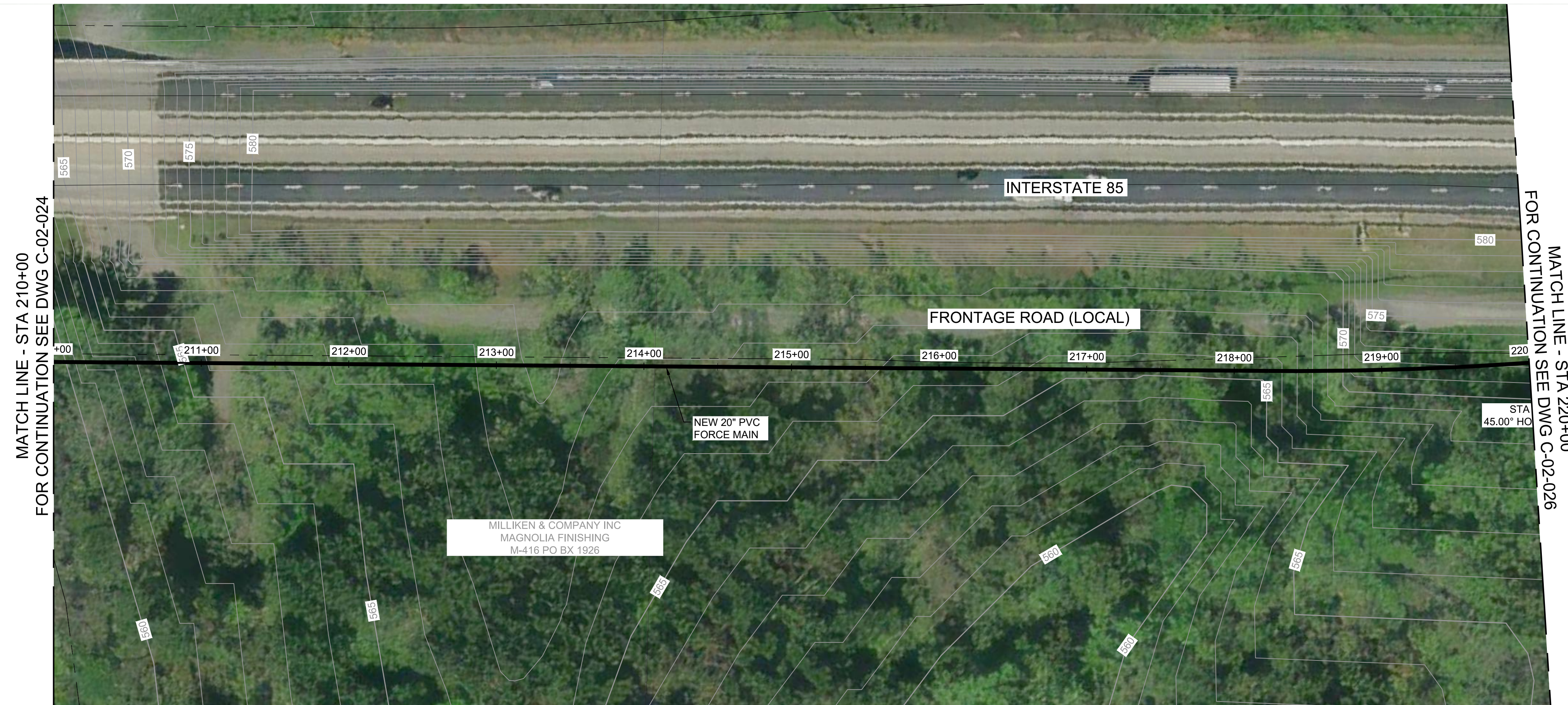
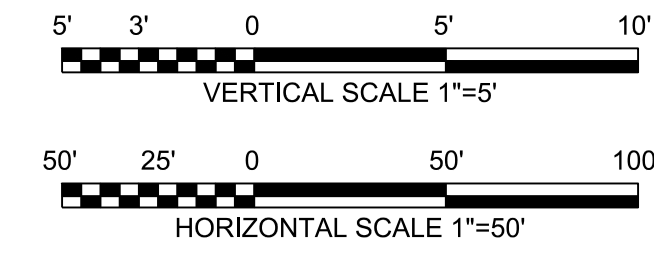
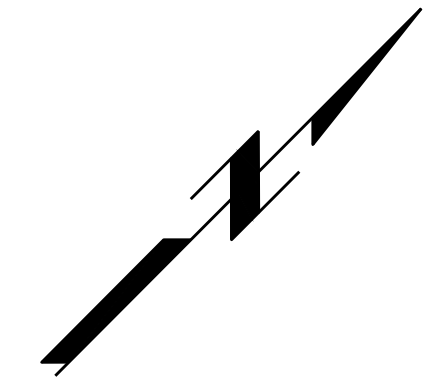
**C-02-024**

XXX  
OF  
XXX



PLOTTED: 5/23/2022 12:10:56 AM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 000  
 D:\11000

SUBCONSULTANT:



MATCH LINE - STA 210+00  
FOR CONTINUATION SEE DWG C-02-024

MATCH LINE - STA 220+00  
FOR CONTINUATION SEE DWG C-02-026

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**PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS**

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

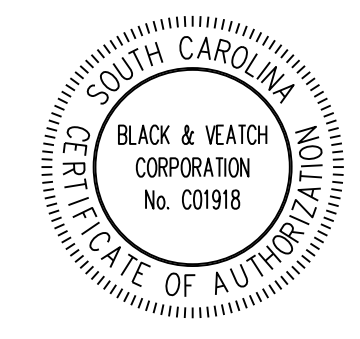
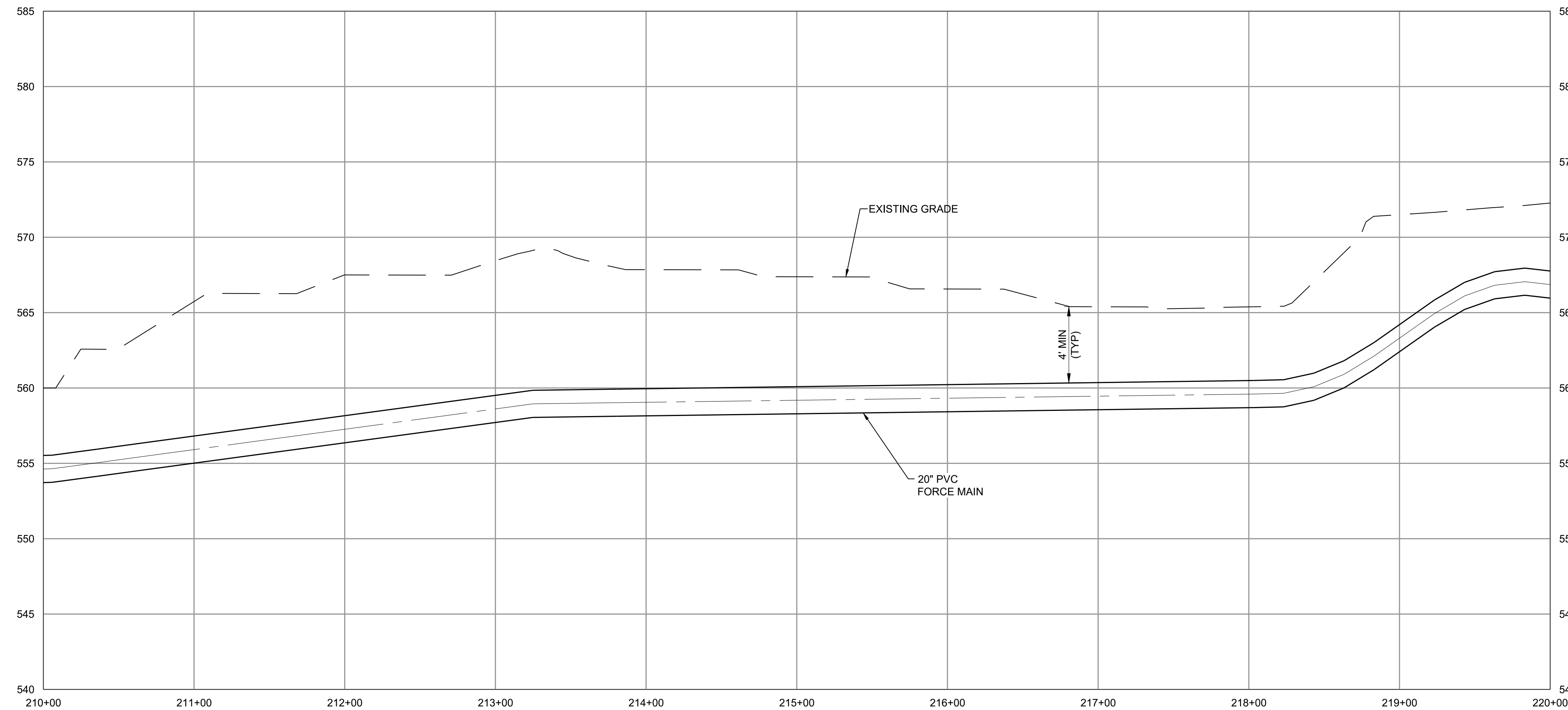
**SEGMENT 2  
FORCE MAIN**

CIVIL

PLAN AND PROFILE STA  
210+00 TO STA 220+00

**C-02-025**

XXX  
OF  
XXX



PLOTTED: 5/23/2022 12:12:21 AM  
FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
PLOT: 000  
D:\1000

SUBCONSULTANT:

**GAFFNEY BOARD OF PUBLIC WORKS**

PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

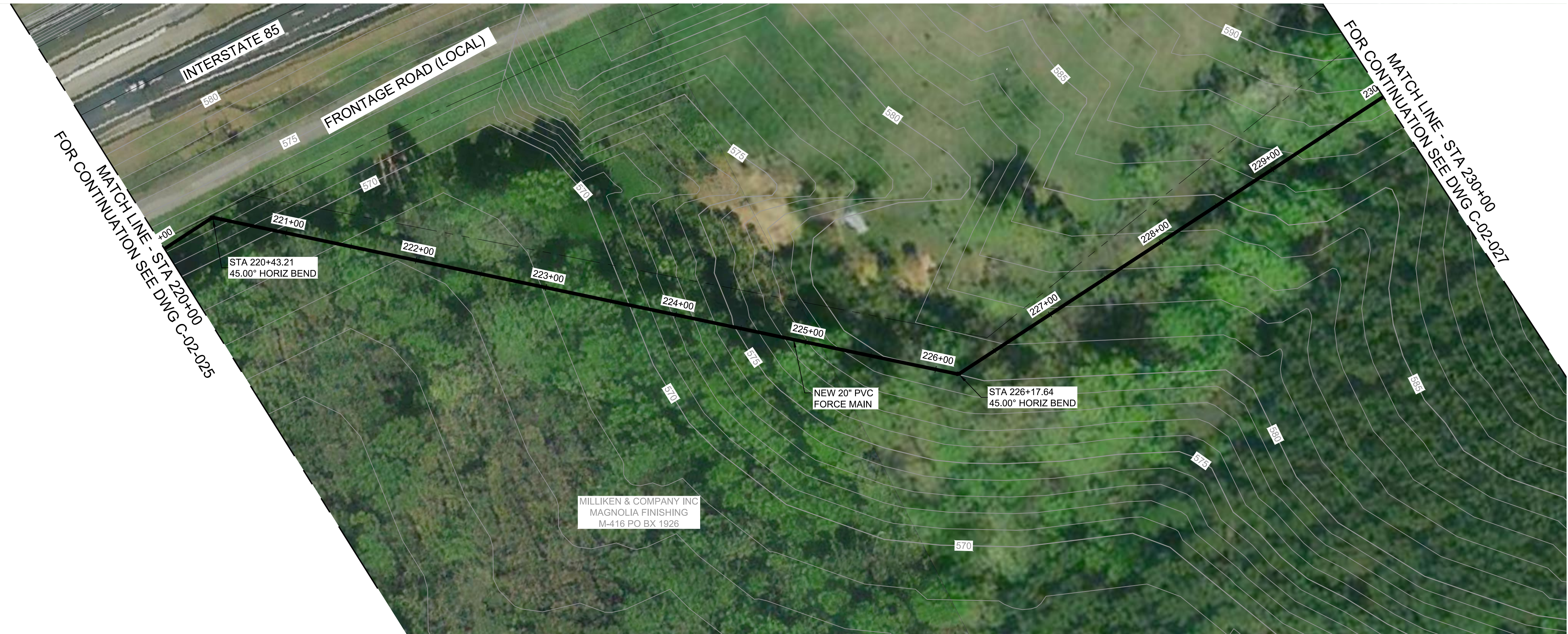
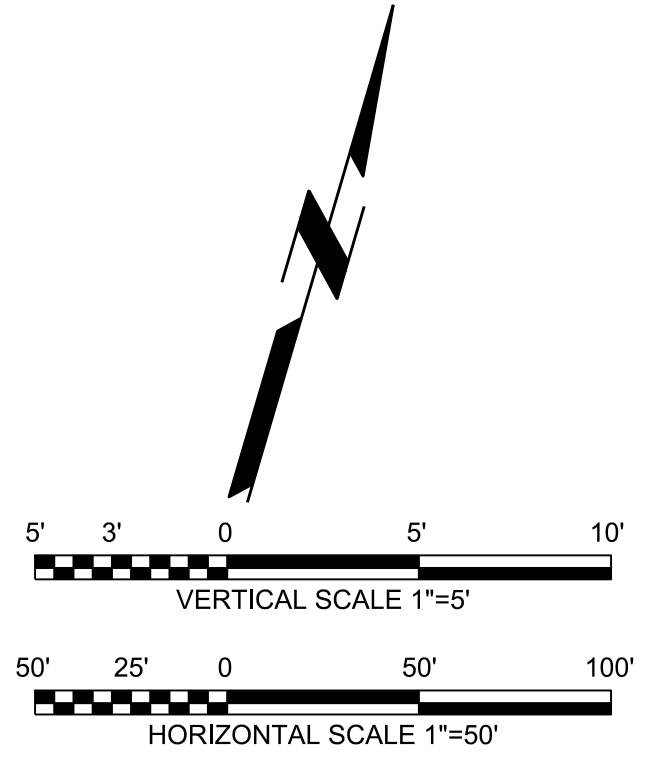
SEGMENT 2  
FORCE MAIN

CIVIL

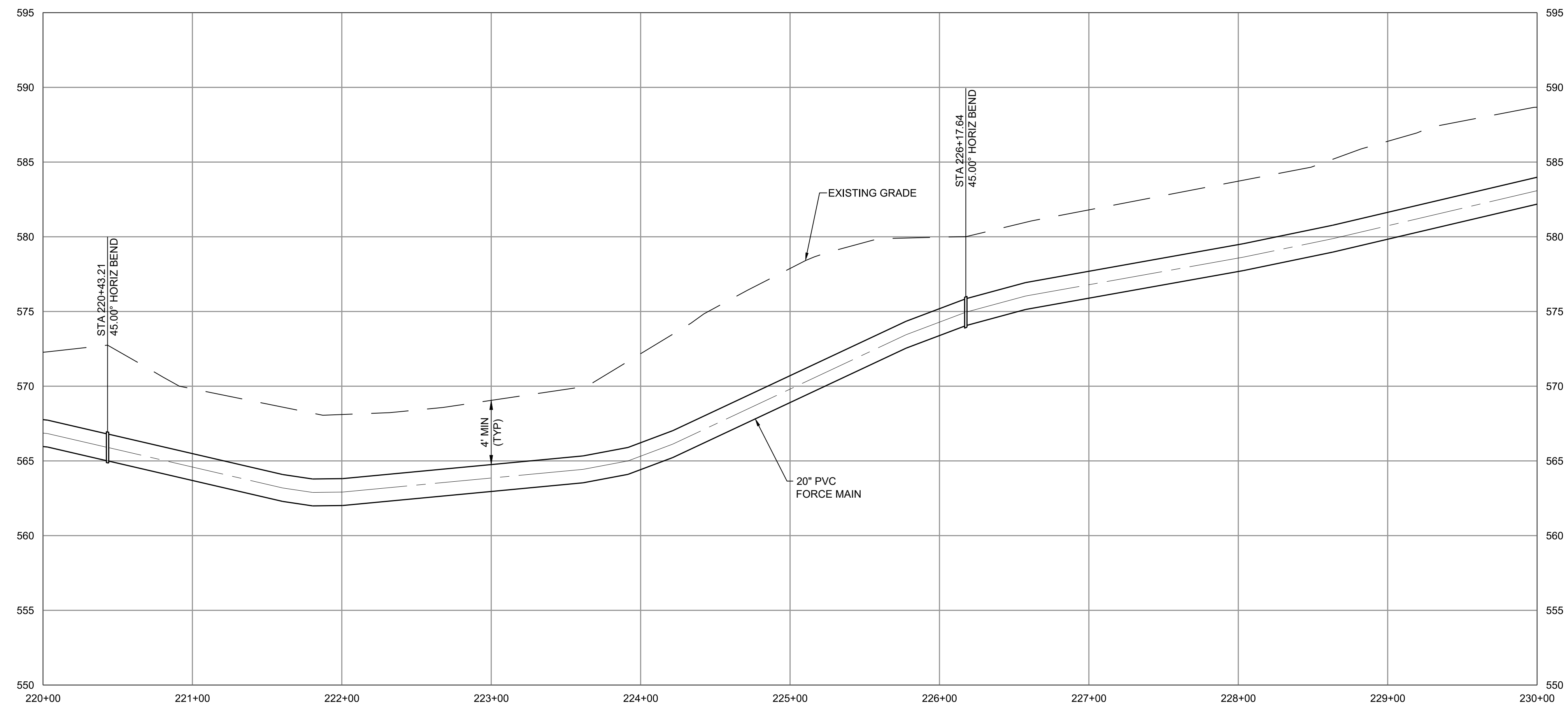
PLAN AND PROFILE STA  
220+00 TO STA 230+00

**C-02-026**

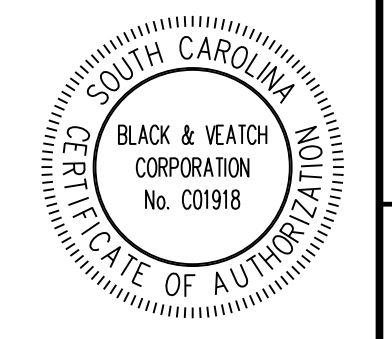
XXX  
OF  
XXX



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(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



PLOTTED: 5/23/2022 12:13:45 AM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 1000  
 D:\1000

SUBCONSULTANT:

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

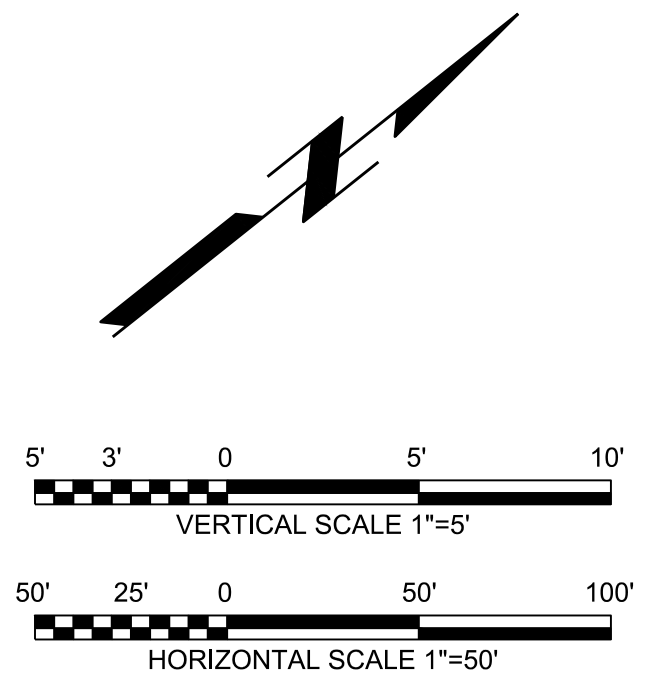
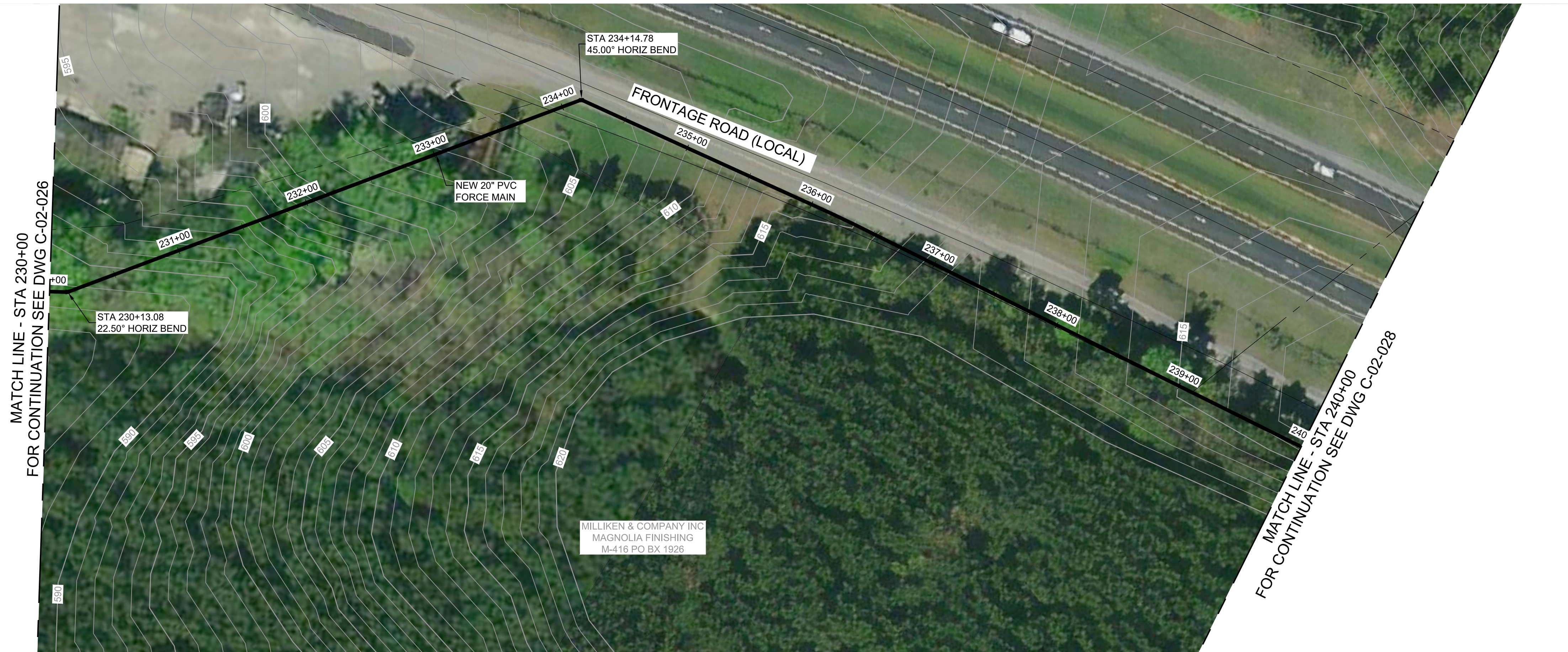
SEGMENT 2  
FORCE MAIN

CIVIL

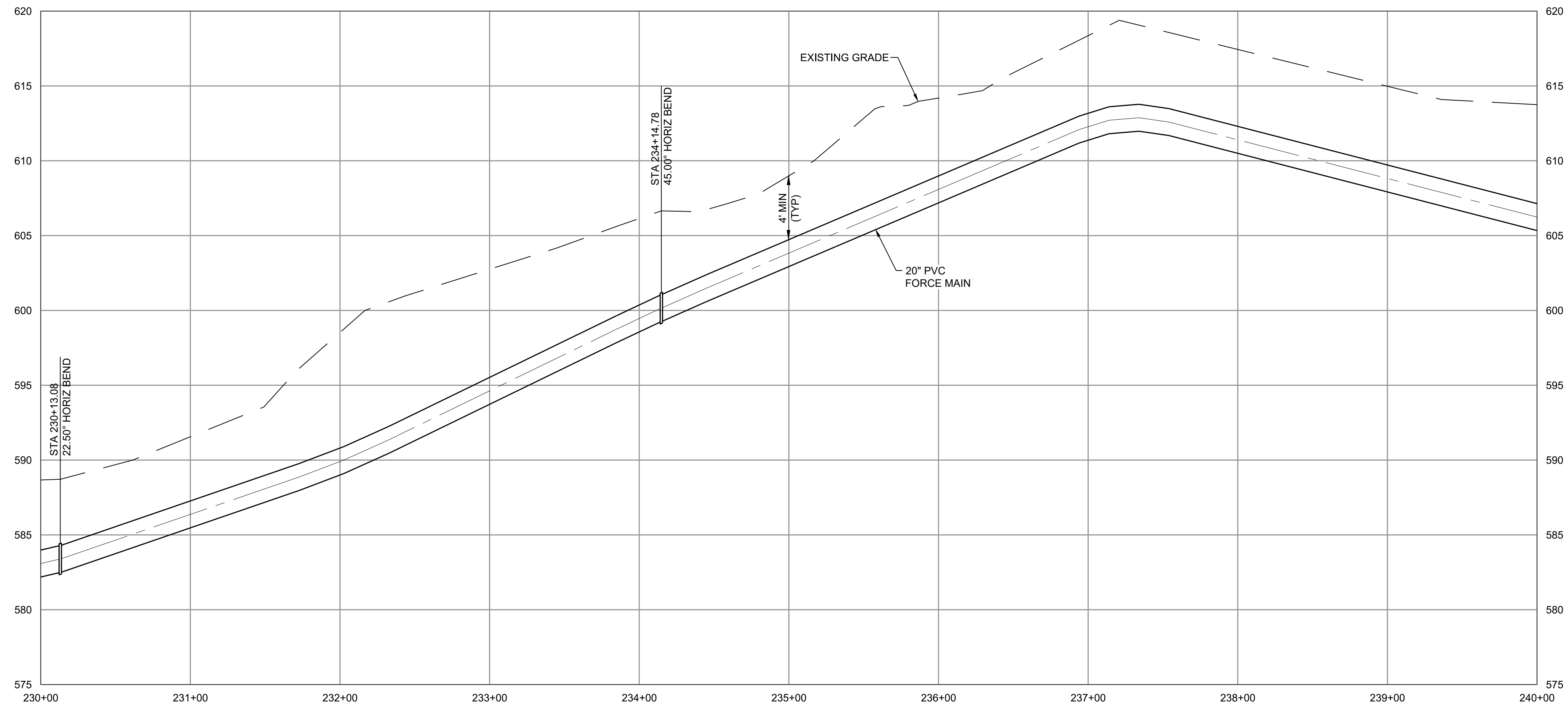
PLAN AND PROFILE STA  
230+00 TO STA 240+00

**C-02-027**

XXX  
OF  
XXX

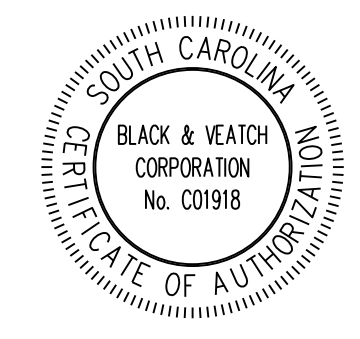


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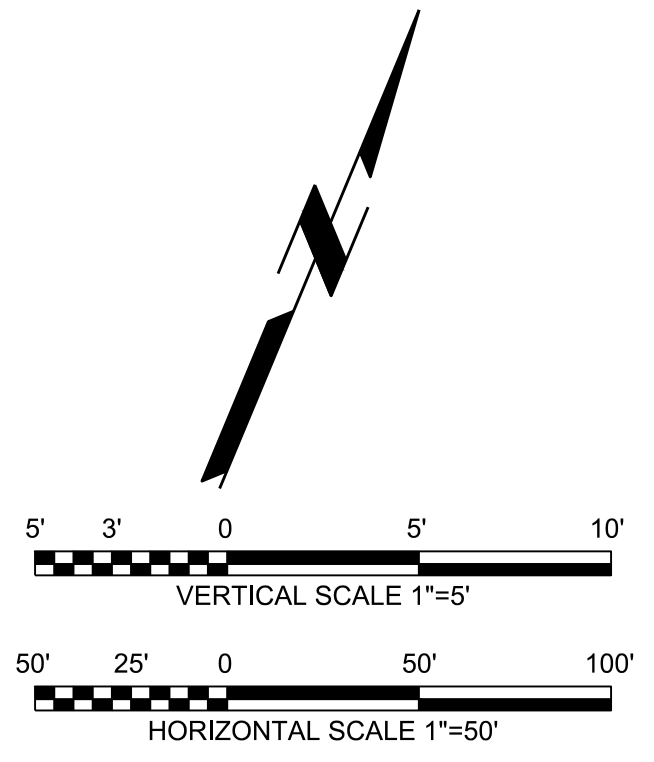
(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/23/2022 12:15:10 AM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 000  
 D11000





SUBCONSULTANT:



MATCH LINE - STA 240+00  
FOR CONTINUATION SEE DWG C-02-027



MATCH LINE - STA 250+00  
FOR CONTINUATION SEE DWG C-02-029

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VOLUME 2 :  
COLLECTIONS**

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
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	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

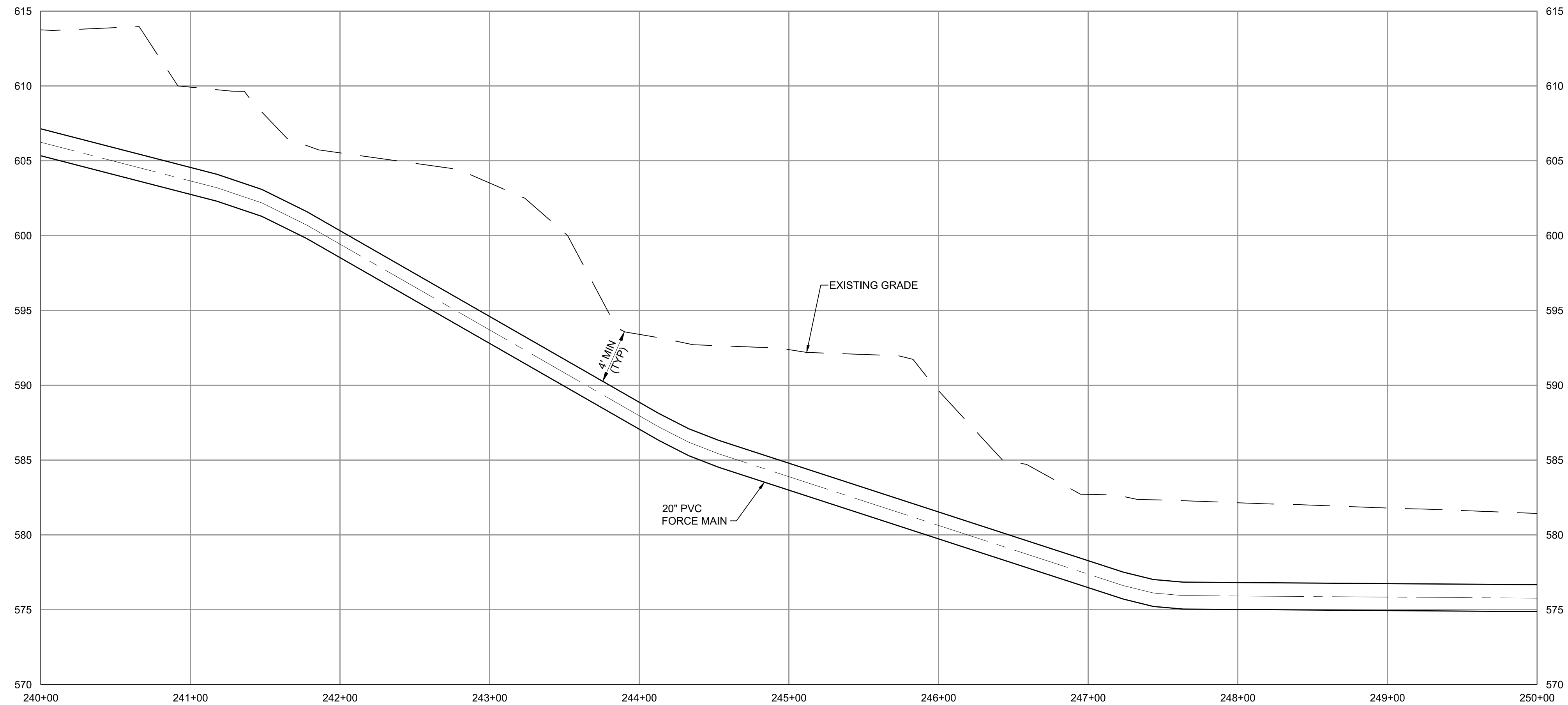
**SEGMENT 2  
FORCE MAIN**

CIVIL

PLAN AND PROFILE STA  
240+00 TO STA 250+00

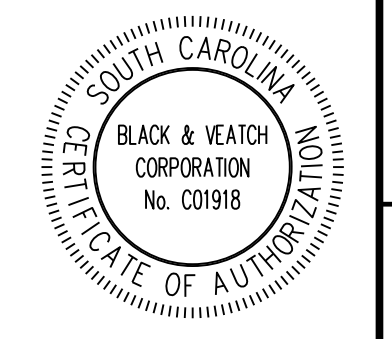
**C-02-028**

XXX  
OF  
XXX

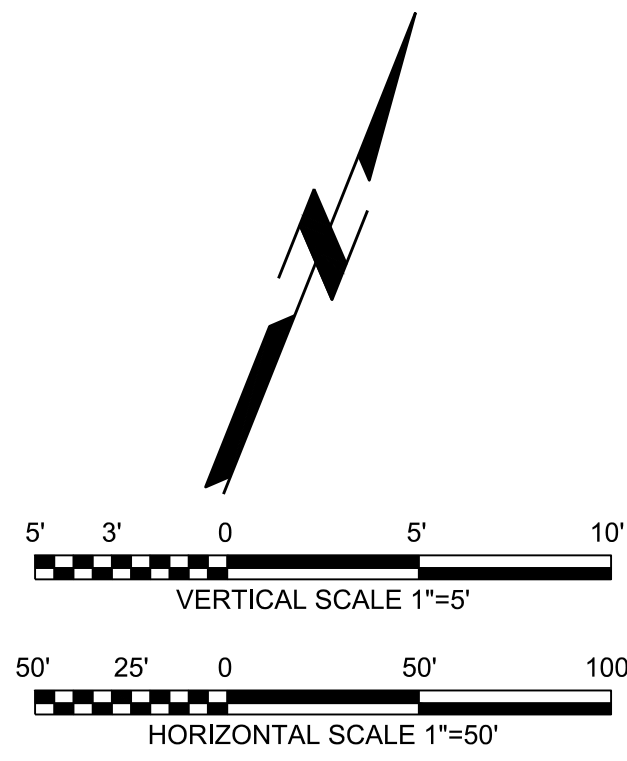


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

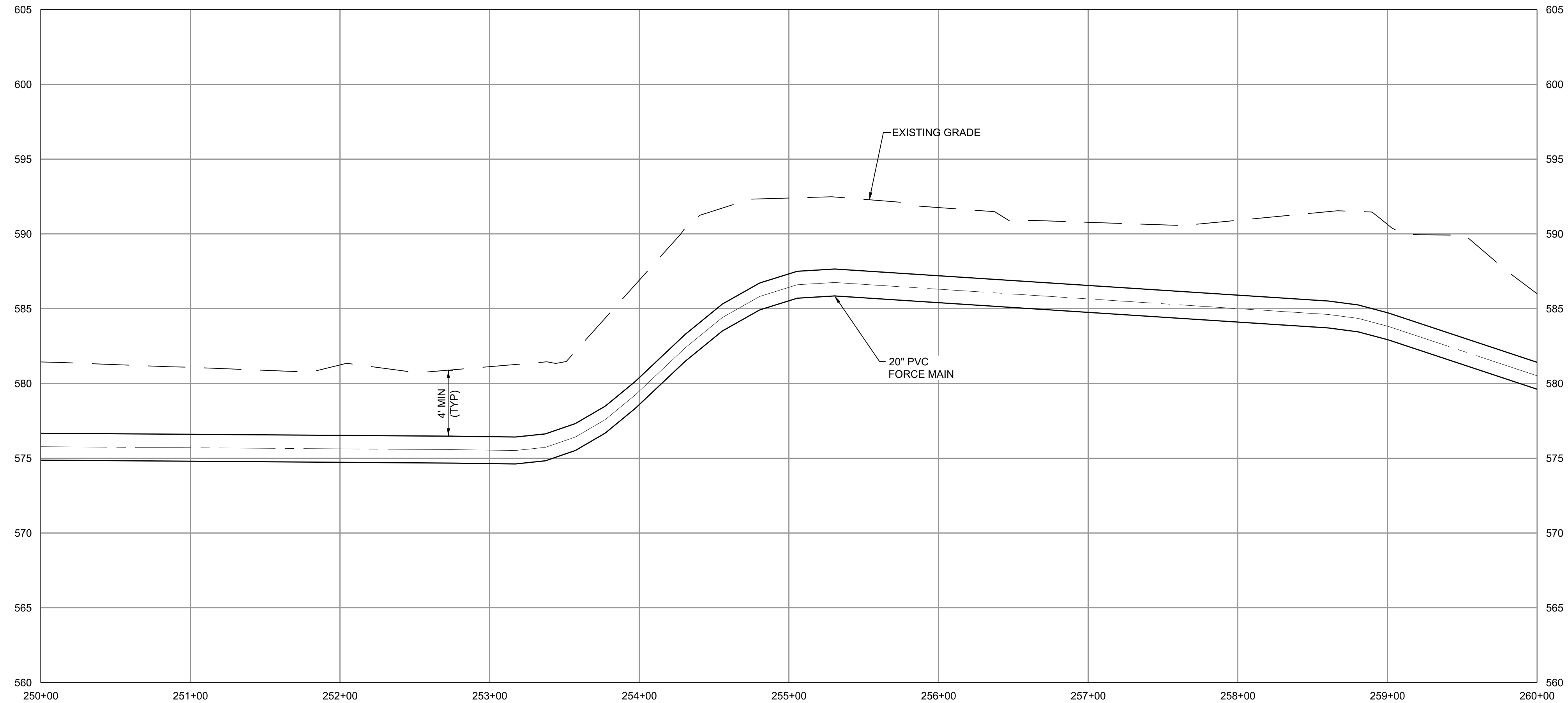
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FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
FDI:000  
D11000



SUBCONSULTANT:



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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 2  
FORCE MAIN

CIVIL

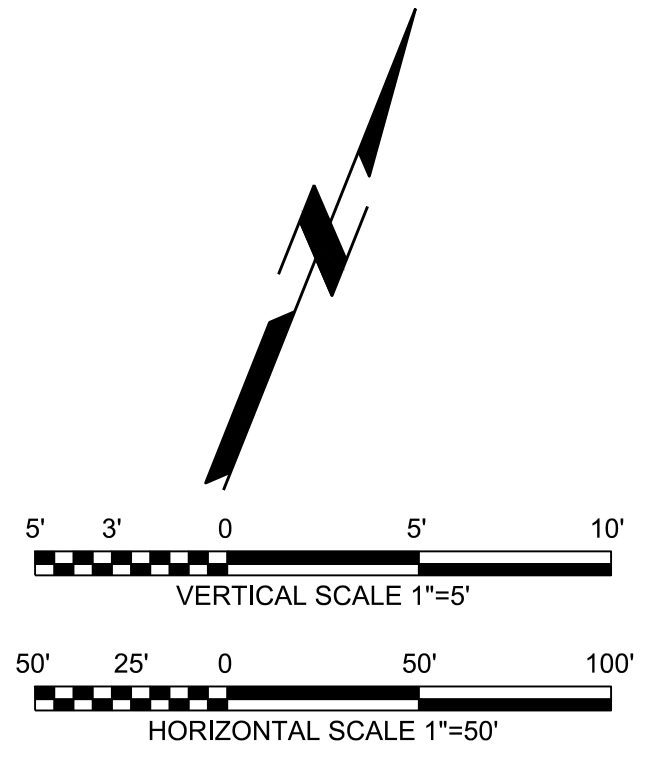
PLAN AND PROFILE STA  
250+00 TO STA 260+00

**C-02-029**

XXX  
OF  
XXX

PLOTTED: 5/23/2022 12:18:00 AM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM\PP-SHT.DWG  
 PLOT: 000  
 D:\1000

SUBCONSULTANT:



MATCH LINE - STA 260+00  
FOR CONTINUATION SEE DWG C-02-029

MATCH LINE - STA 270+00  
FOR CONTINUATION SEE DWG C-02-031

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

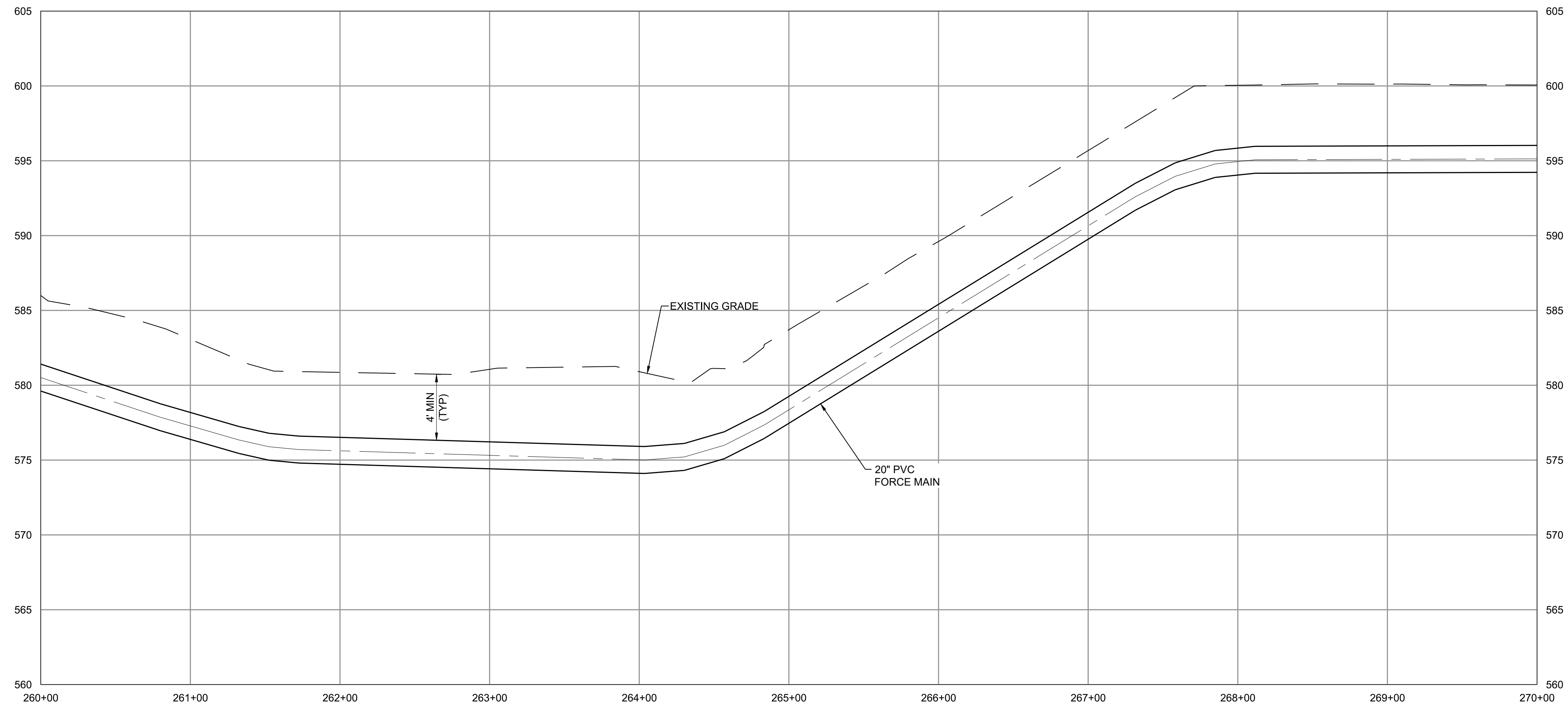
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
260+00 TO STA 270+00

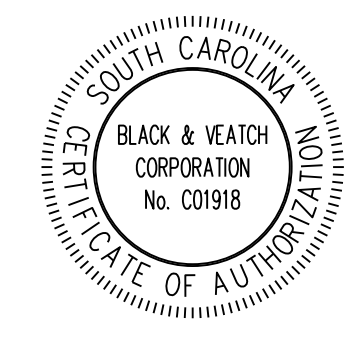
**C-02-030**

XXX  
OF  
XXX

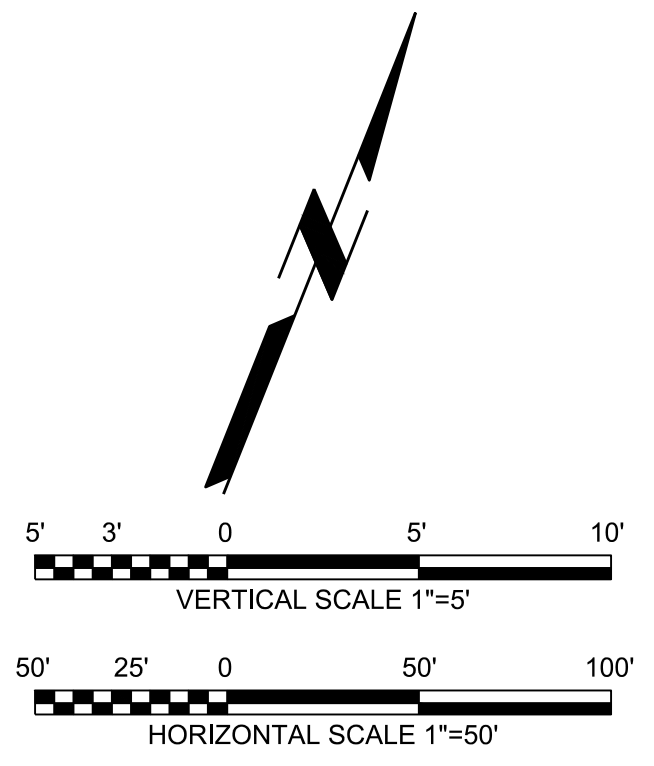


PLOTTED: 5/23/2022 12:19:25 AM  
FILE: C:\PW\WORKING\B\W\_AMERICAS\_20\1562805\410381-SEG2-FM\PP-SHT.DWG  
FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



SUBCONSULTANT:



MATCH LINE - STA 270+00  
FOR CONTINUATION SEE DWG C-02-030

MATCH LINE - STA 280+00  
FOR CONTINUATION SEE DWG C-02-032

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

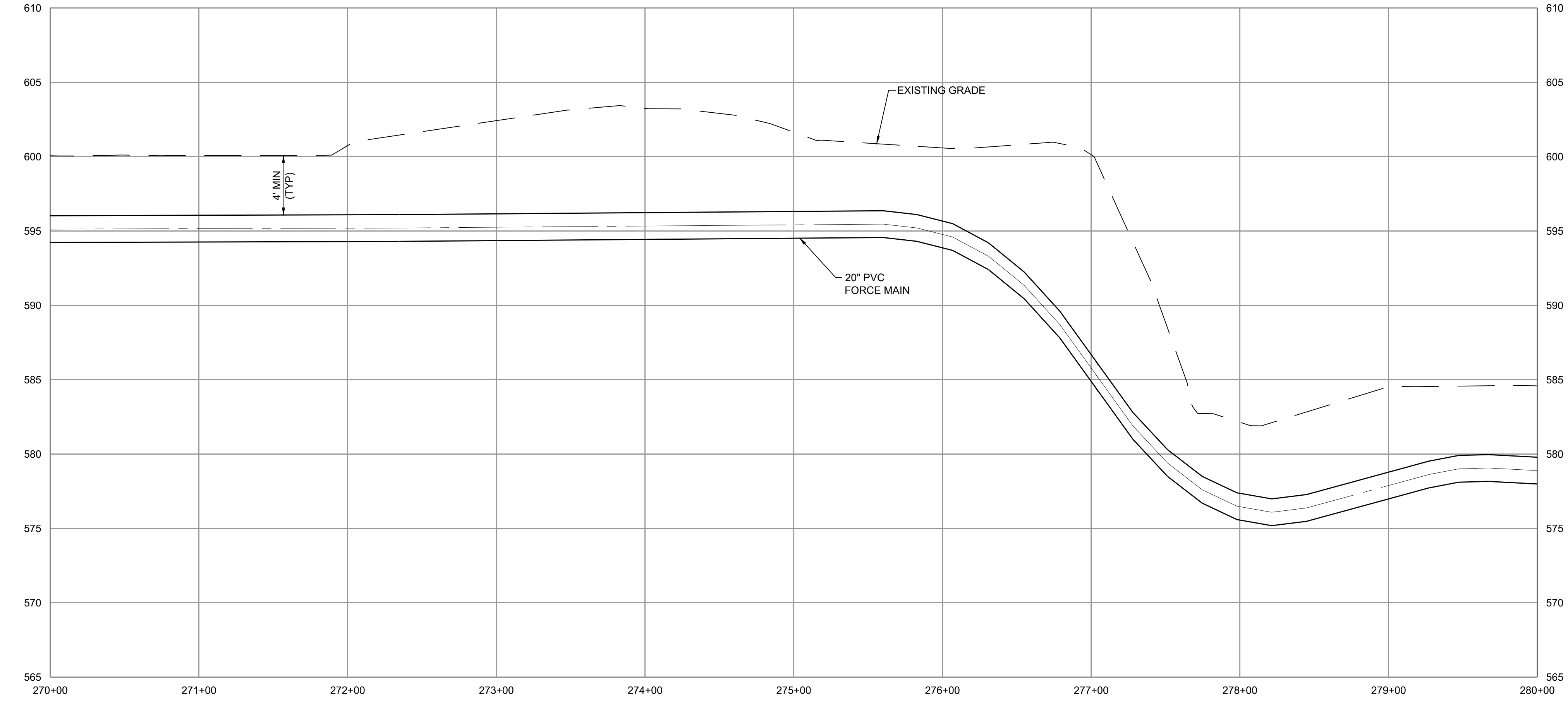
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
270+00 TO STA 280+00

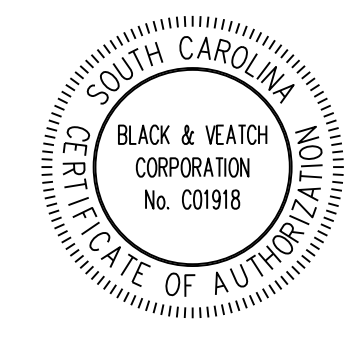
C-02-031

XXX  
OF  
XXX

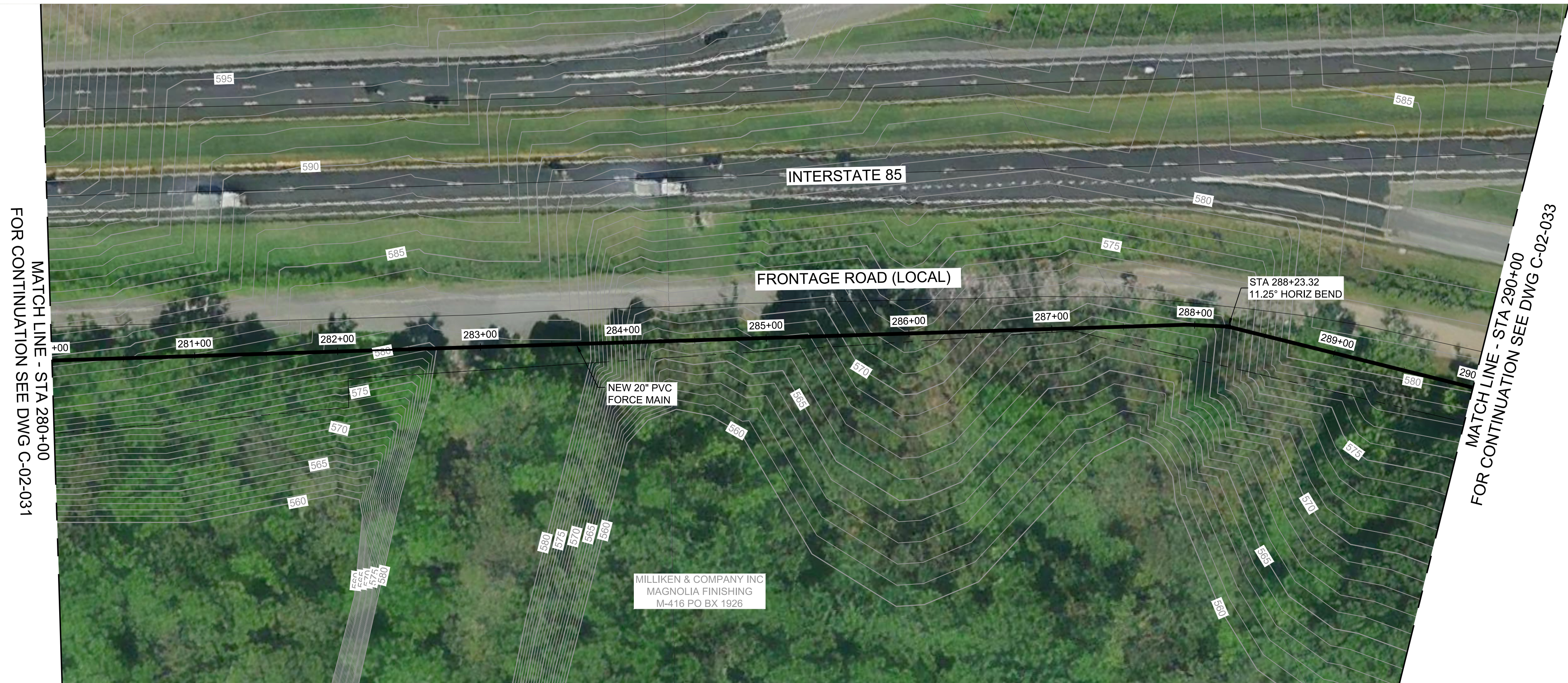
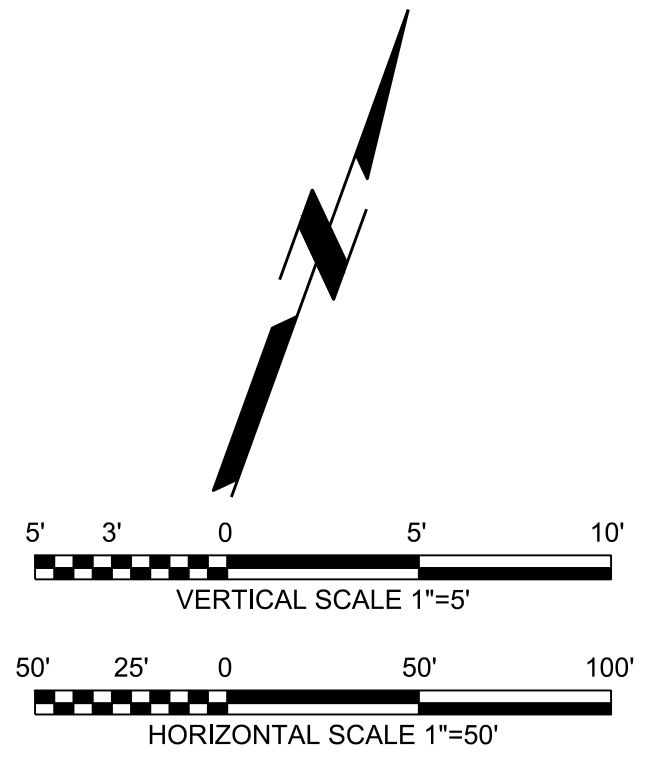


PLOTTED: 5/23/2022 12:20:50 AM  
FILE: C:\PW\WORKING\B\W\_AMERICAS\_20\1562805\410381-SEG2-FM\PP-SHT.DWG  
FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



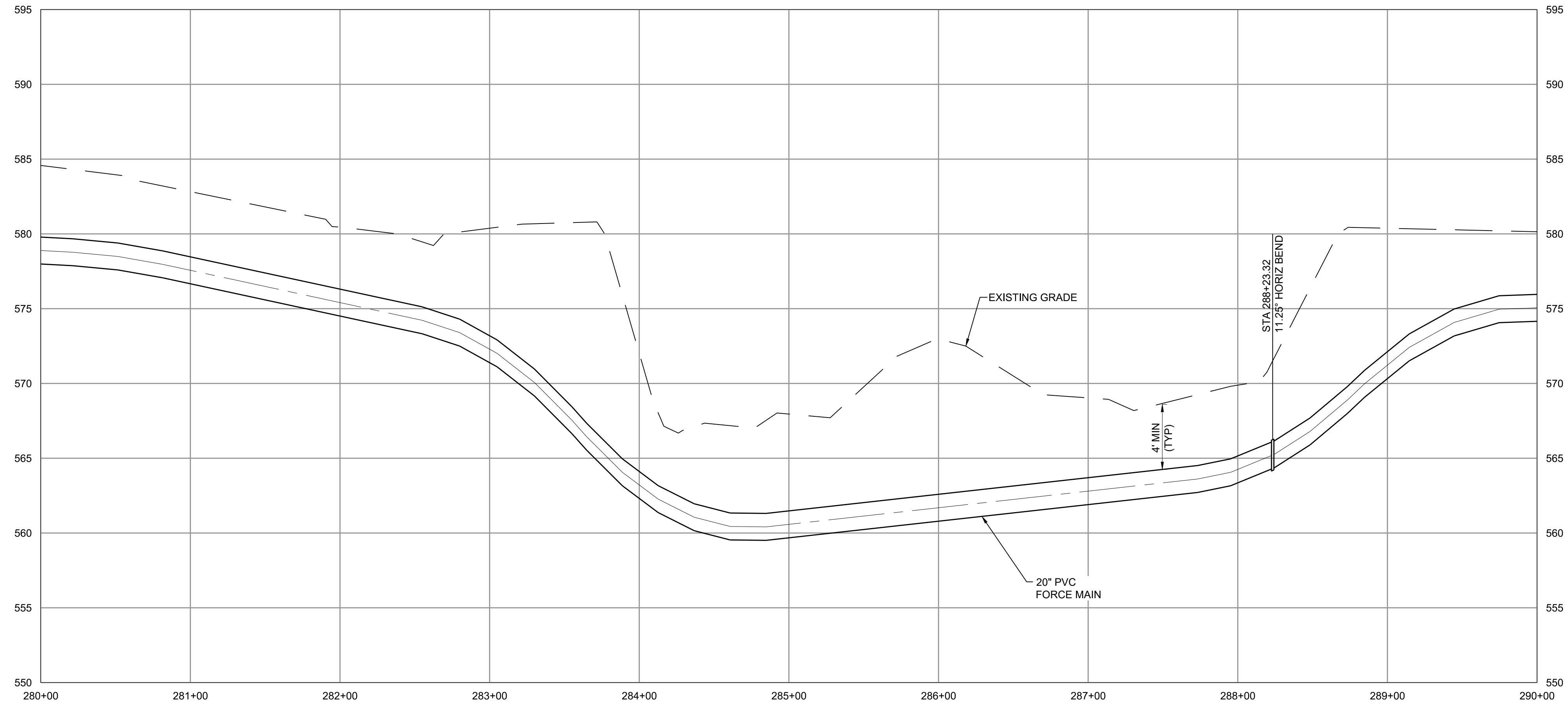
SUBCONSULTANT:



MATCH LINE - STA 280+00  
FOR CONTINUATION SEE DWG C-02-031

MATCH LINE - STA 290+00  
FOR CONTINUATION SEE DWG C-02-033

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 2  
FORCE MAIN

CIVIL

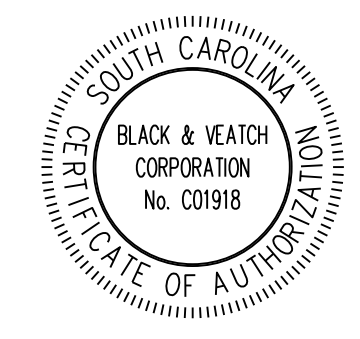
PLAN AND PROFILE STA  
280+00 TO STA 290+00

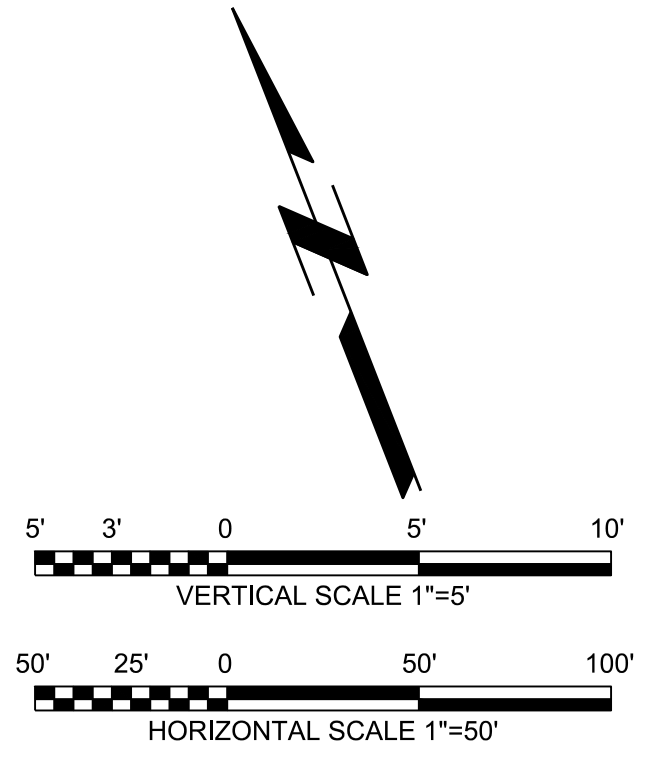
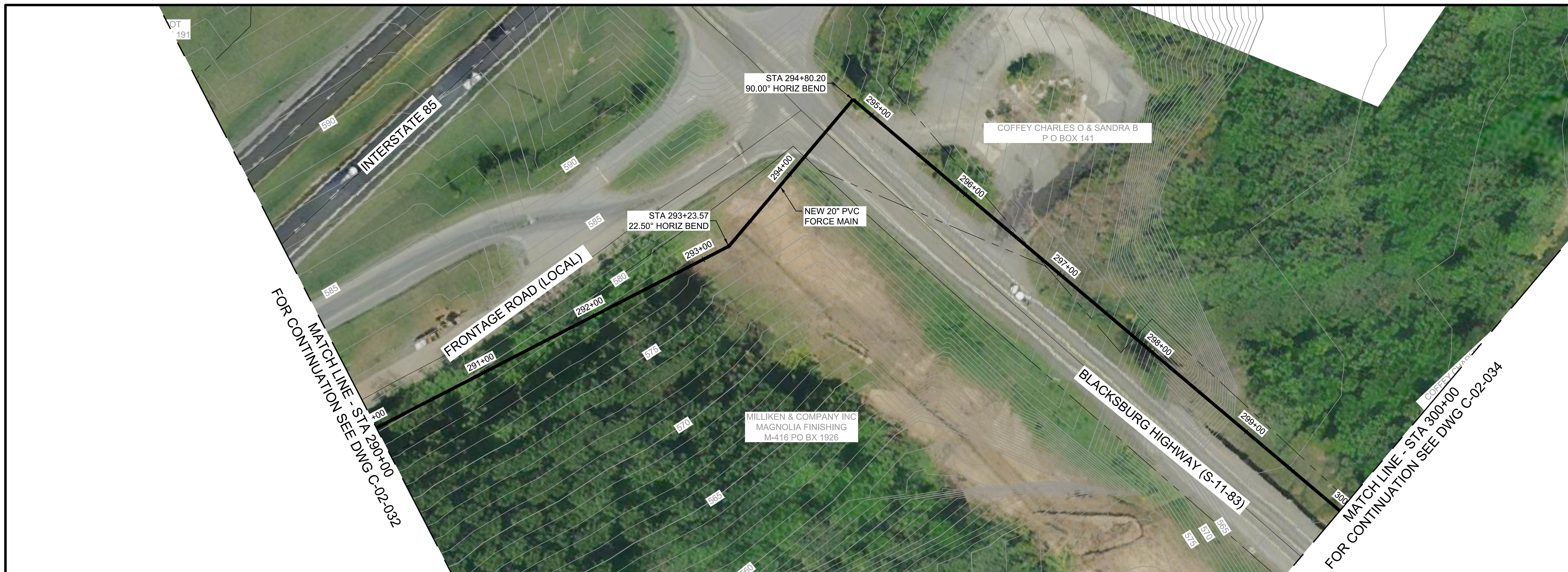
**C-02-032**

XXX  
OF  
XXX

PLOTTED: 5/23/2022 12:22:16 AM  
FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805\410381-SEG2-FM\PP-SHT.DWG  
FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4





**BLACK & VEATCH**  
 Black & Veatch Corporation  
 Greenville, South Carolina

SUBCONSULTANT:

**GAFFNEY BOARD OF PUBLIC WORKS**

PROJECT GATEWAY  
 VOLUME 2 :  
 COLLECTIONS

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

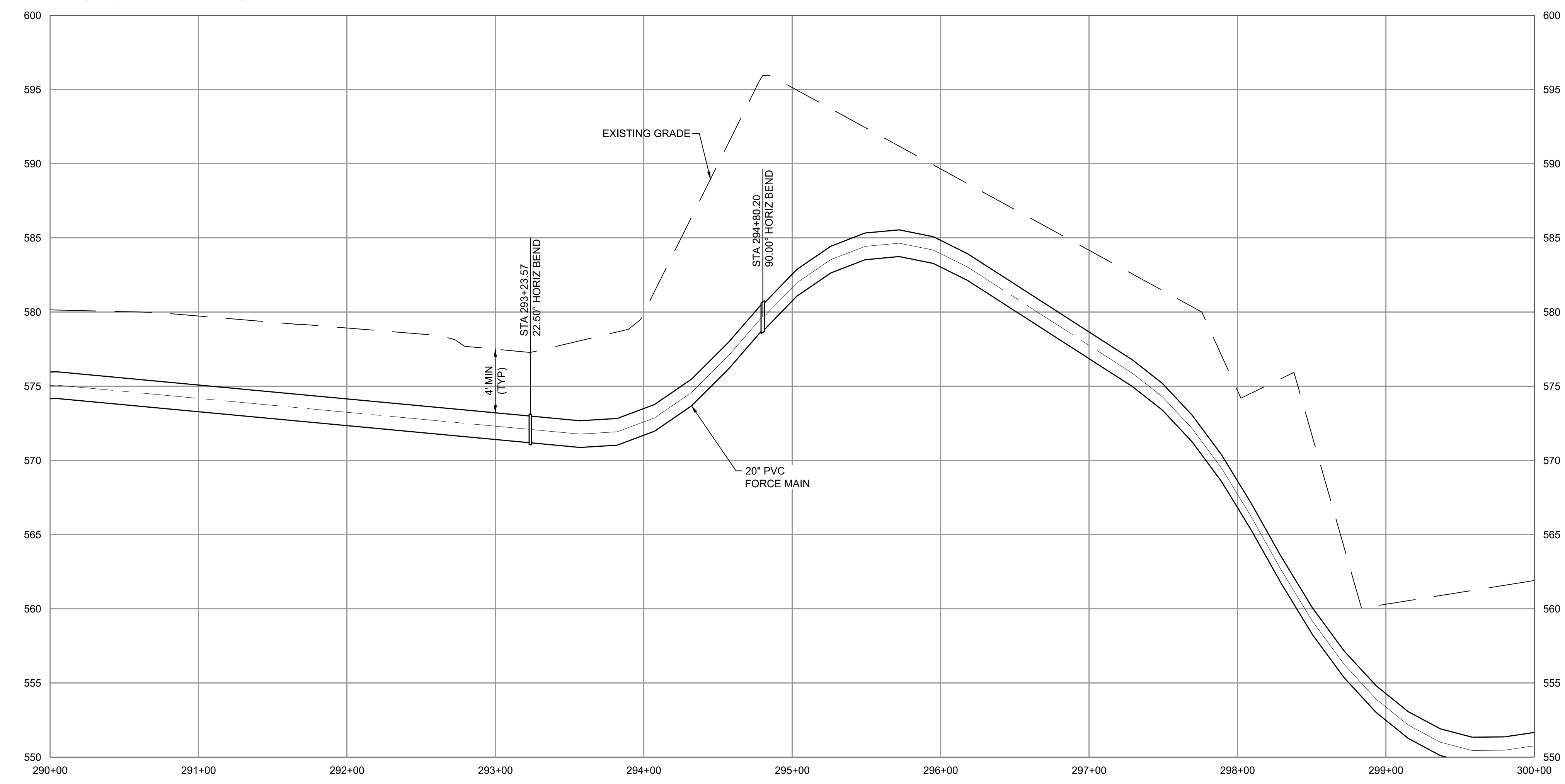
SEGMENT 2  
 FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
 290+00 TO STA 300+00

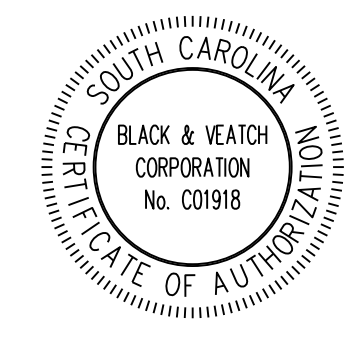
**C-02-033**      XXX  
 OF  
 XXX

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(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/23/2022 12:23:42 AM  
 FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 000  
 D:\11000



SUBCONSULTANT:

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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

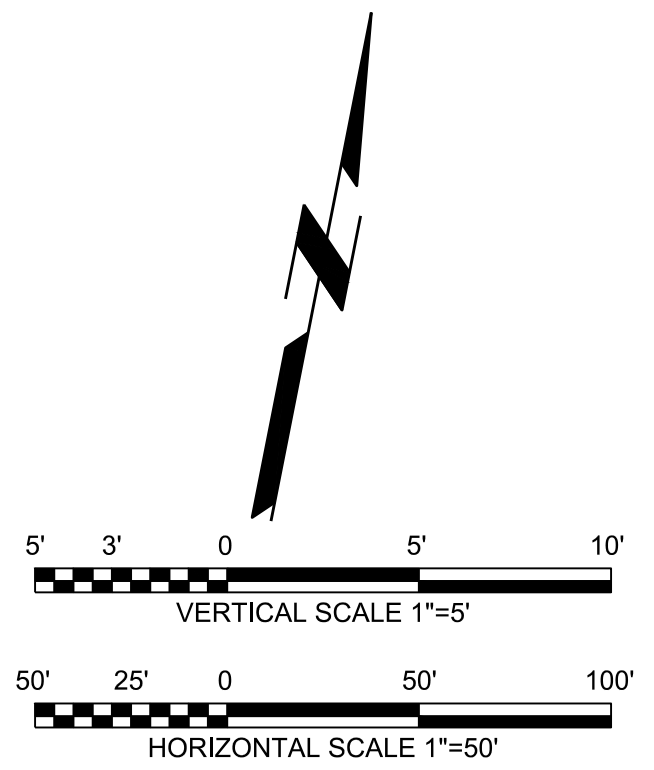
SEGMENT 2  
FORCE MAIN

CIVIL

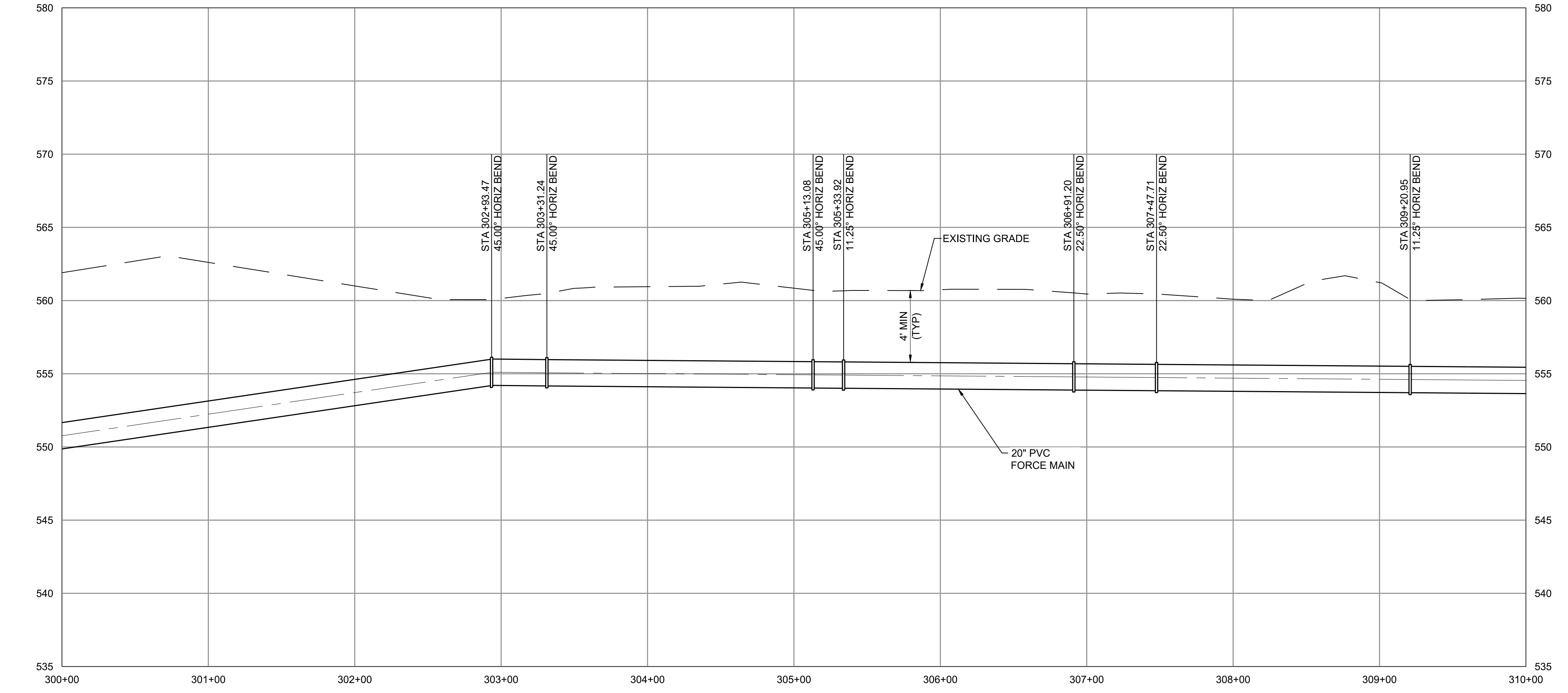
PLAN AND PROFILE STA  
300+00 TO STA 310+00

**C-02-034**

XXX  
OF  
XXX

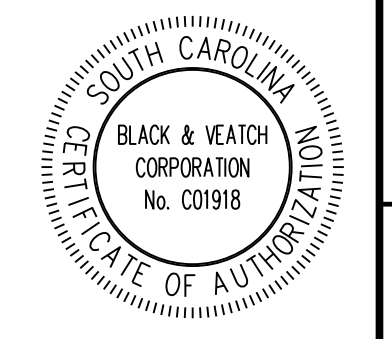


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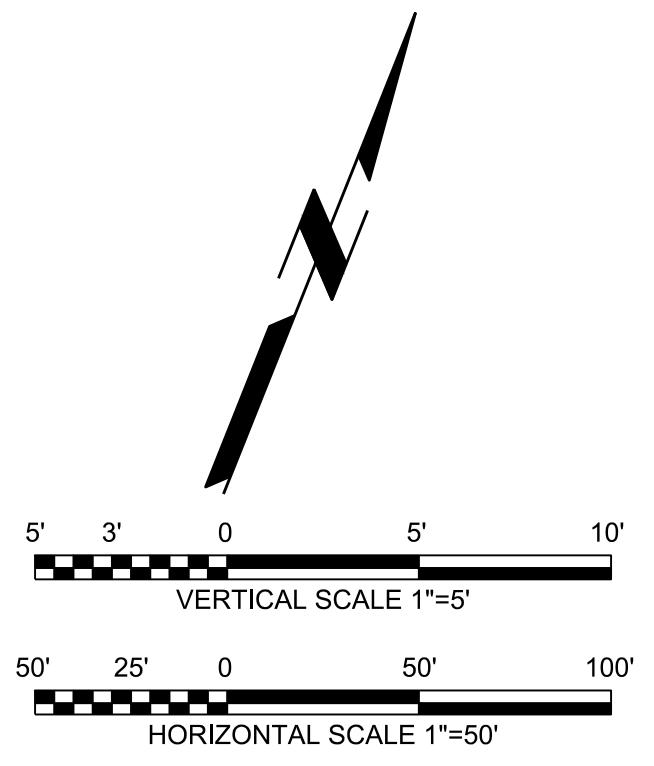


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/23/2022 9:03:15 PM  
 FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805\410381-SEG2-FM\PP-SHT.DWG  
 PLOT: 01000  
 D:\1000



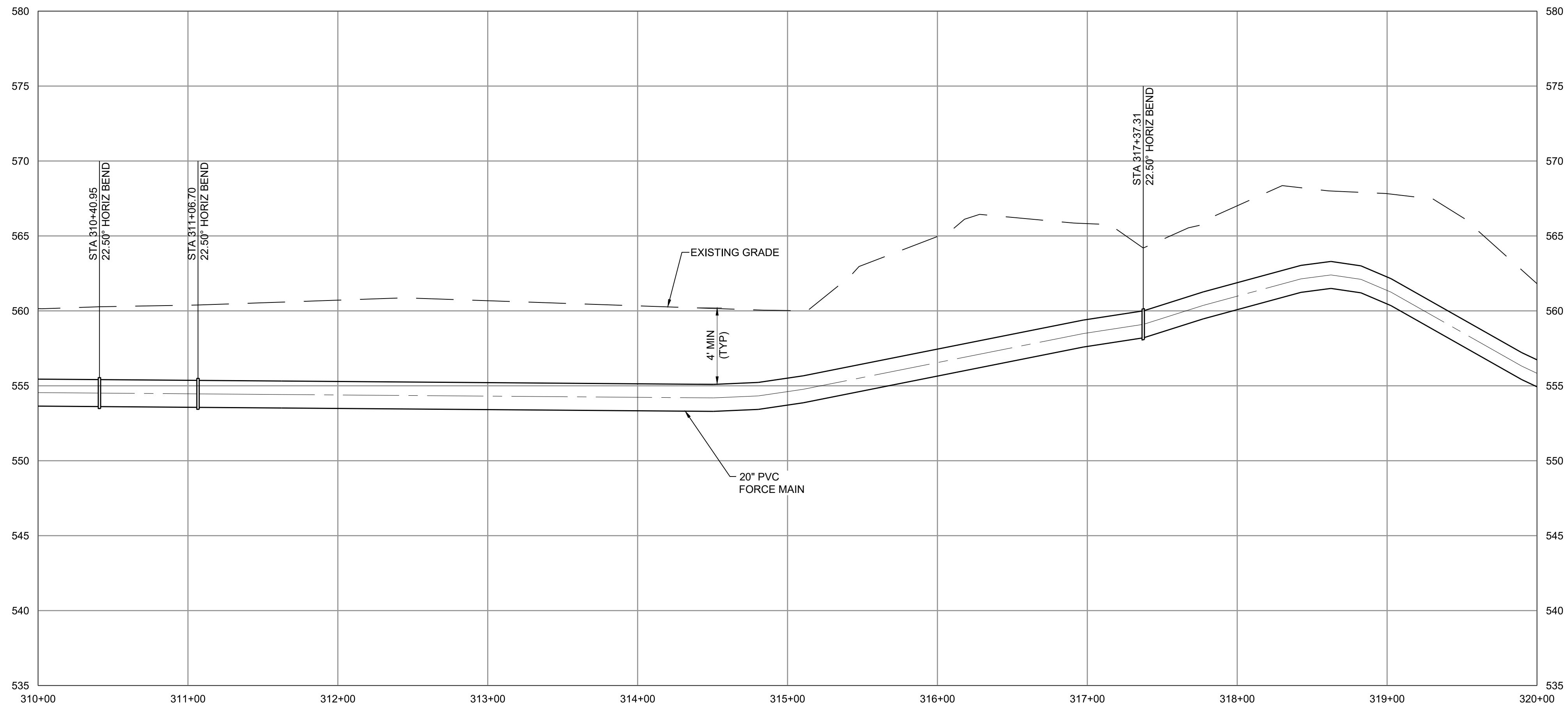
SUBCONSULTANT:



MATCH LINE - STA 310+00  
FOR CONTINUATION SEE DWG C-02-034

MATCH LINE - STA 320+00  
FOR CONTINUATION SEE DWG C-02-036

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
310+00 TO STA 320+00

**C-02-035**

XXX  
OF  
XXX

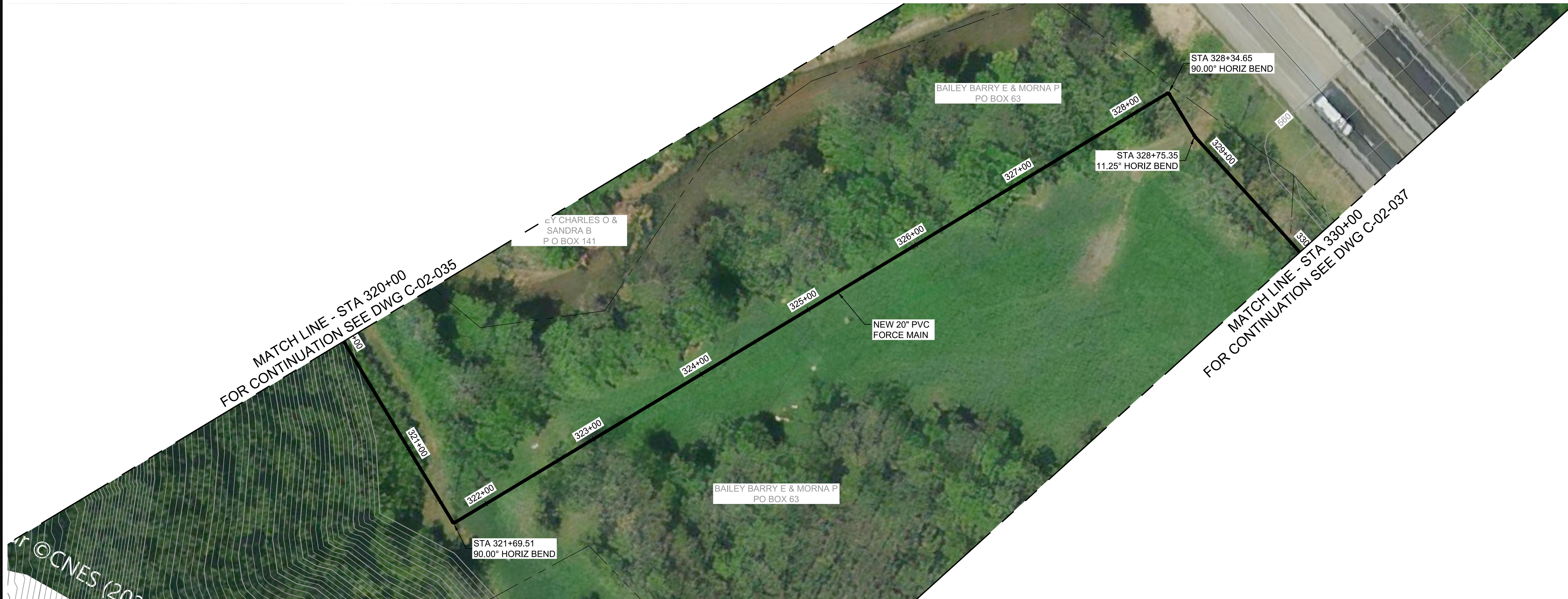
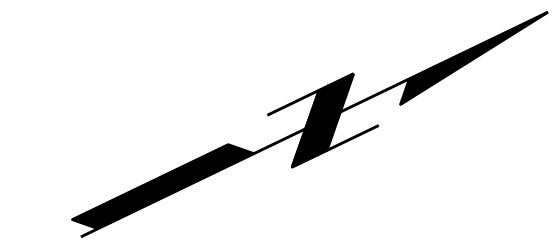


PLOTTED: 5/23/2022 12:26:31 AM  
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FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



SUBCONSULTANT:



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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

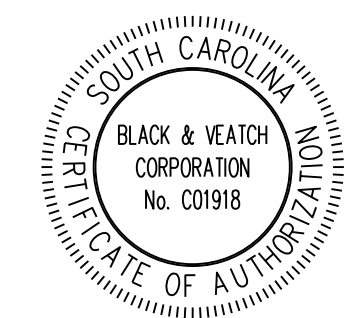
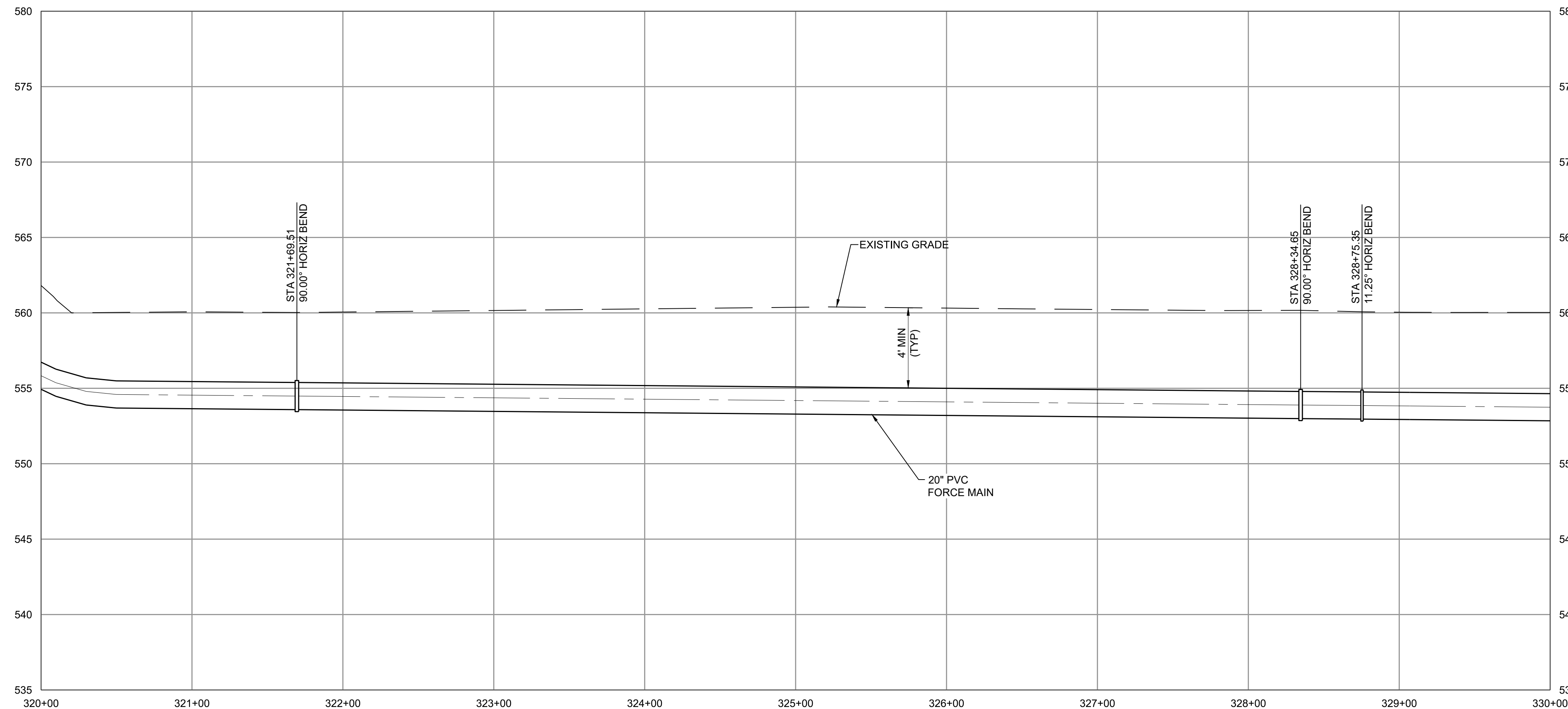
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
320+00 TO STA 330+00

**C-02-036**

XXX  
OF  
XXX

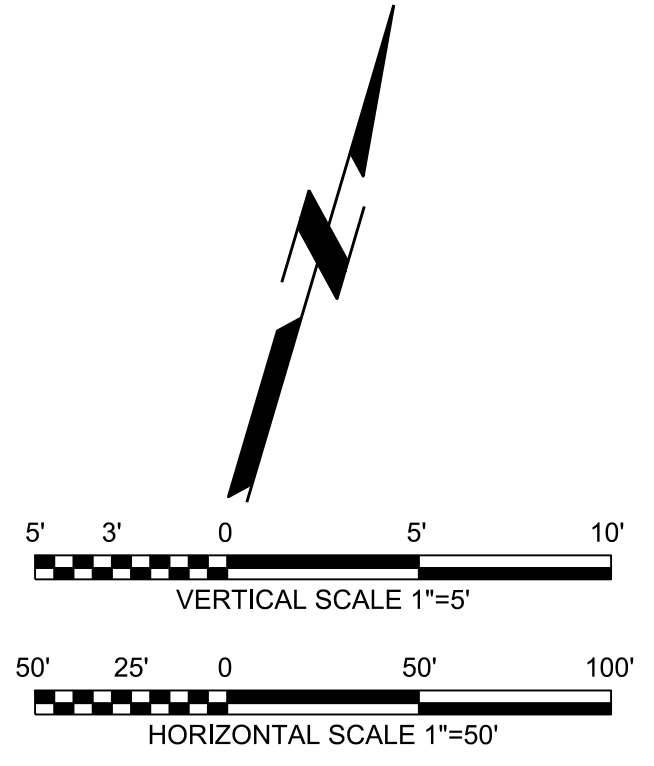


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/23/2022 12:27:58 AM  
 FILE: C:\PW\WORKING\B\W\AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 000  
 D:\1000



SUBCONSULTANT:



MATCH LINE - STA 340+00  
FOR CONTINUATION SEE DWG C-02-037



MATCH LINE - STA 350+00  
FOR CONTINUATION SEE DWG C-02-039

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

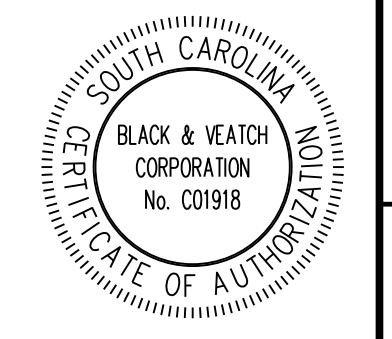
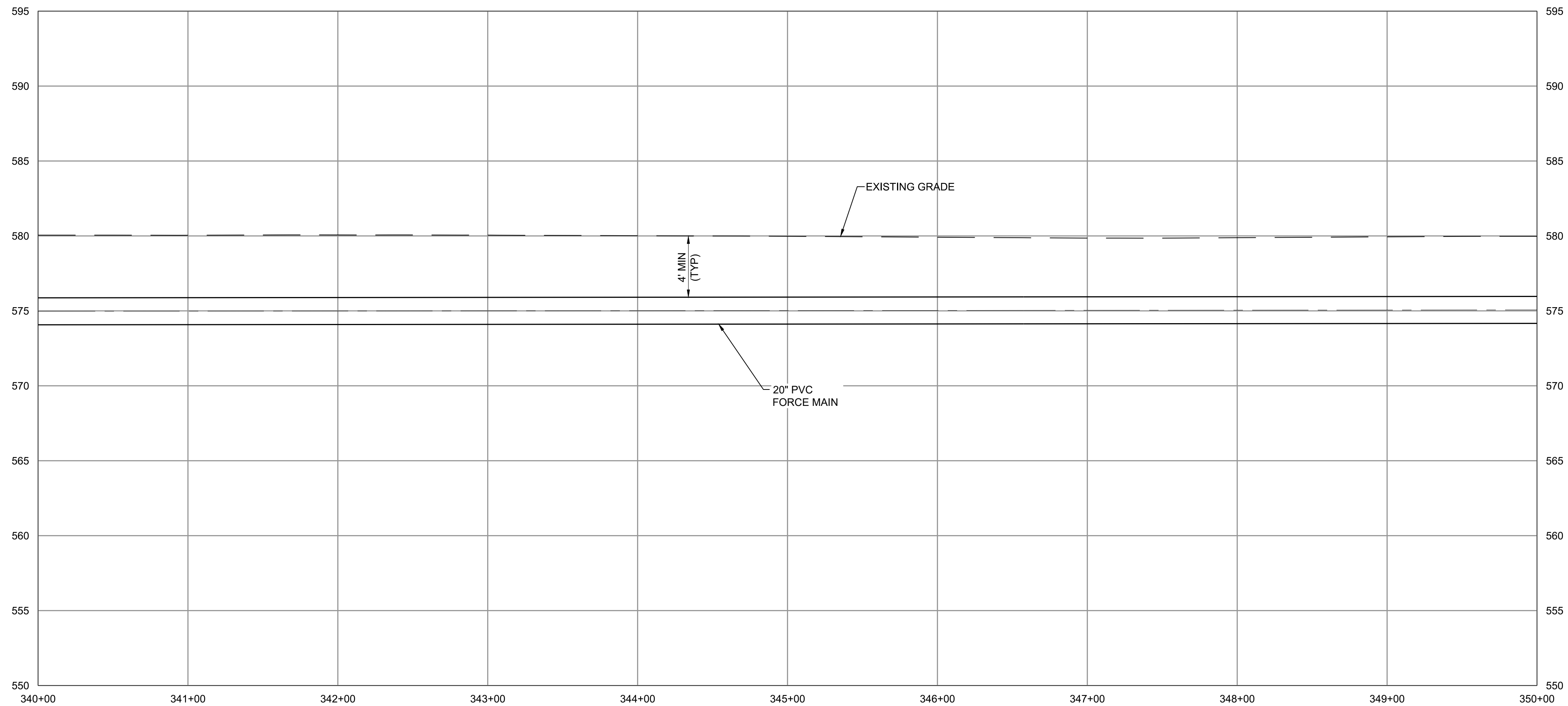
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
340+00 TO STA 350+00

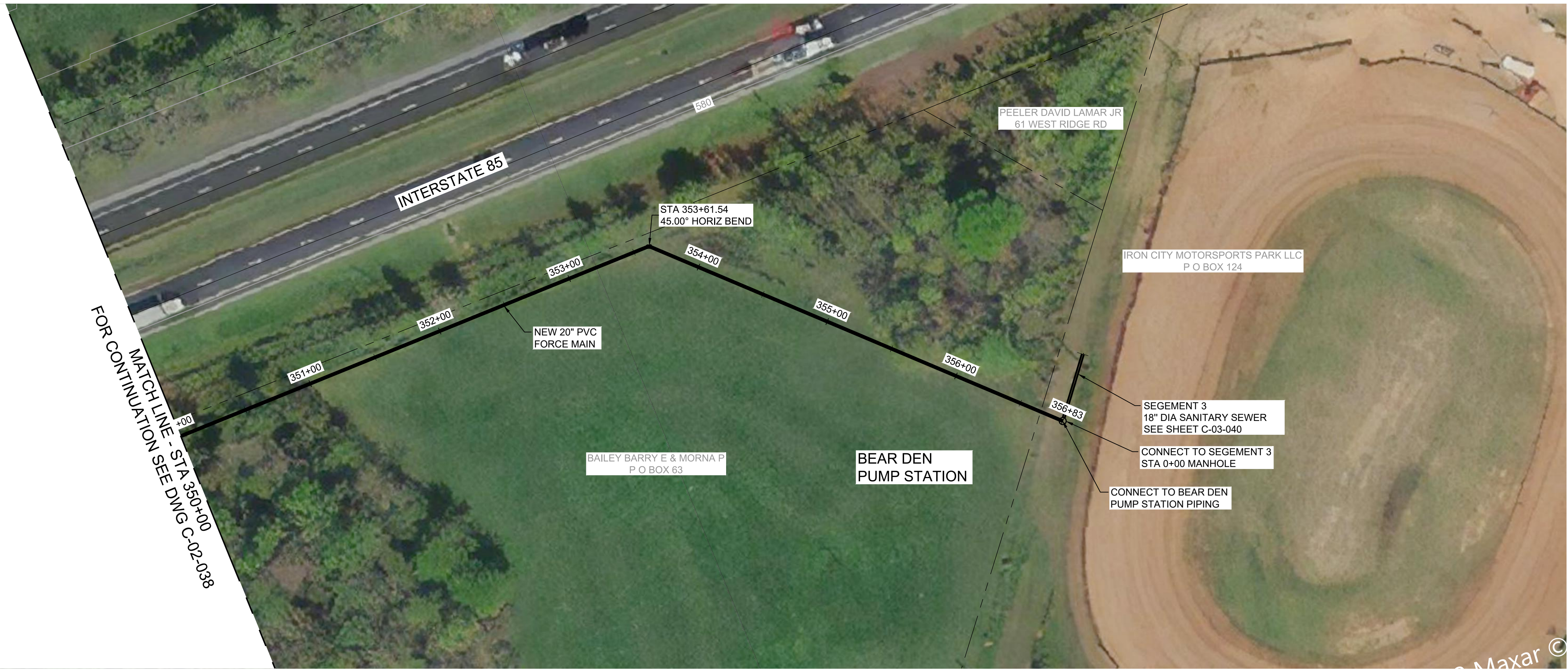
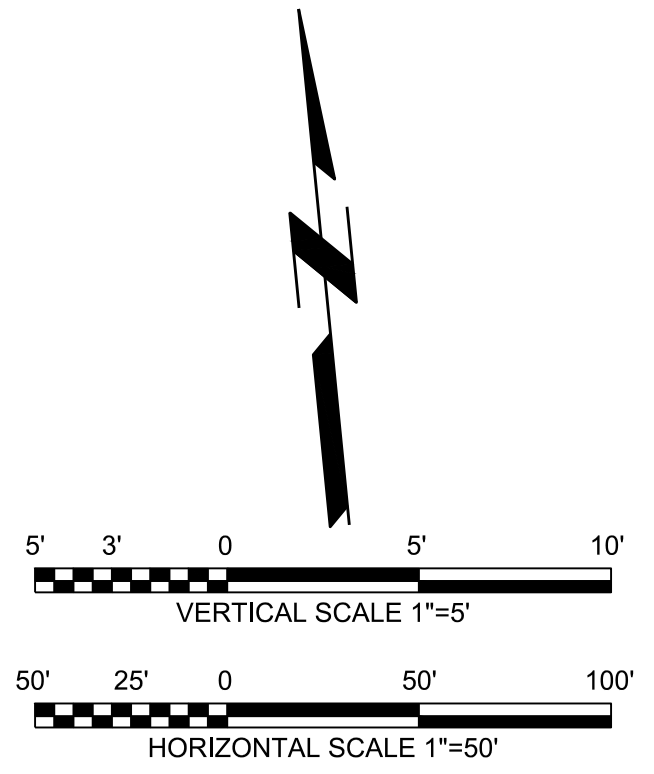
**C-02-038**

XXX  
OF  
XXX



PLOTTED: 5/23/2022 12:30:56 AM  
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FDI:000  
D11000

SUBCONSULTANT:



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PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
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CONSTRUCTION**

REVISIONS AND RECORD OF ISSUE	
DESIGNED:	LDP
DETAILED:	VSK
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

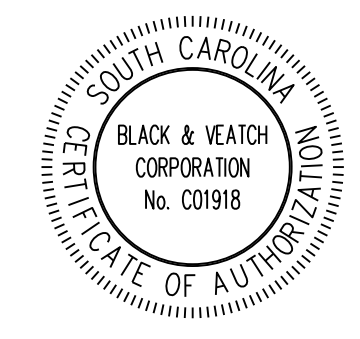
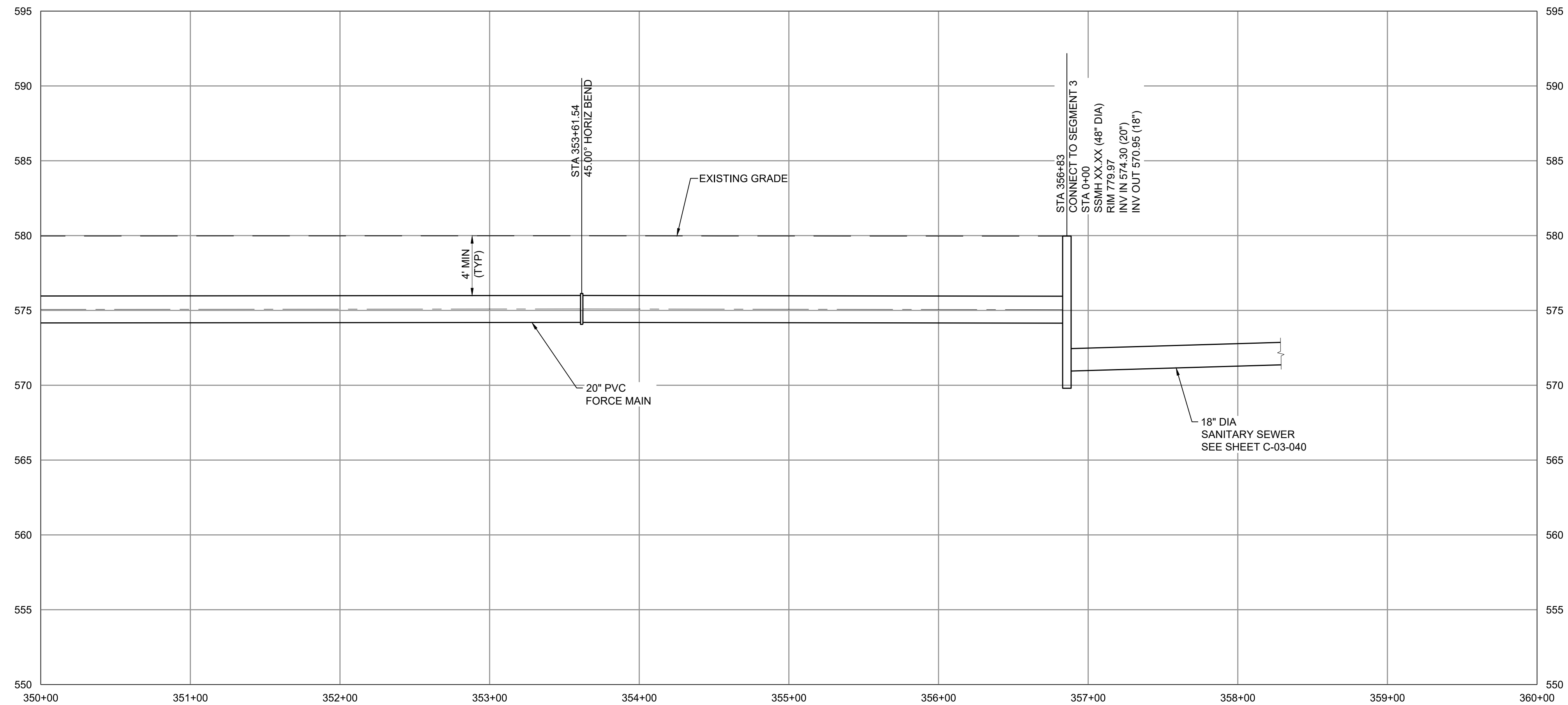
SEGMENT 2  
FORCE MAIN

CIVIL

PLAN AND PROFILE STA  
350+00 TO STA 356+83

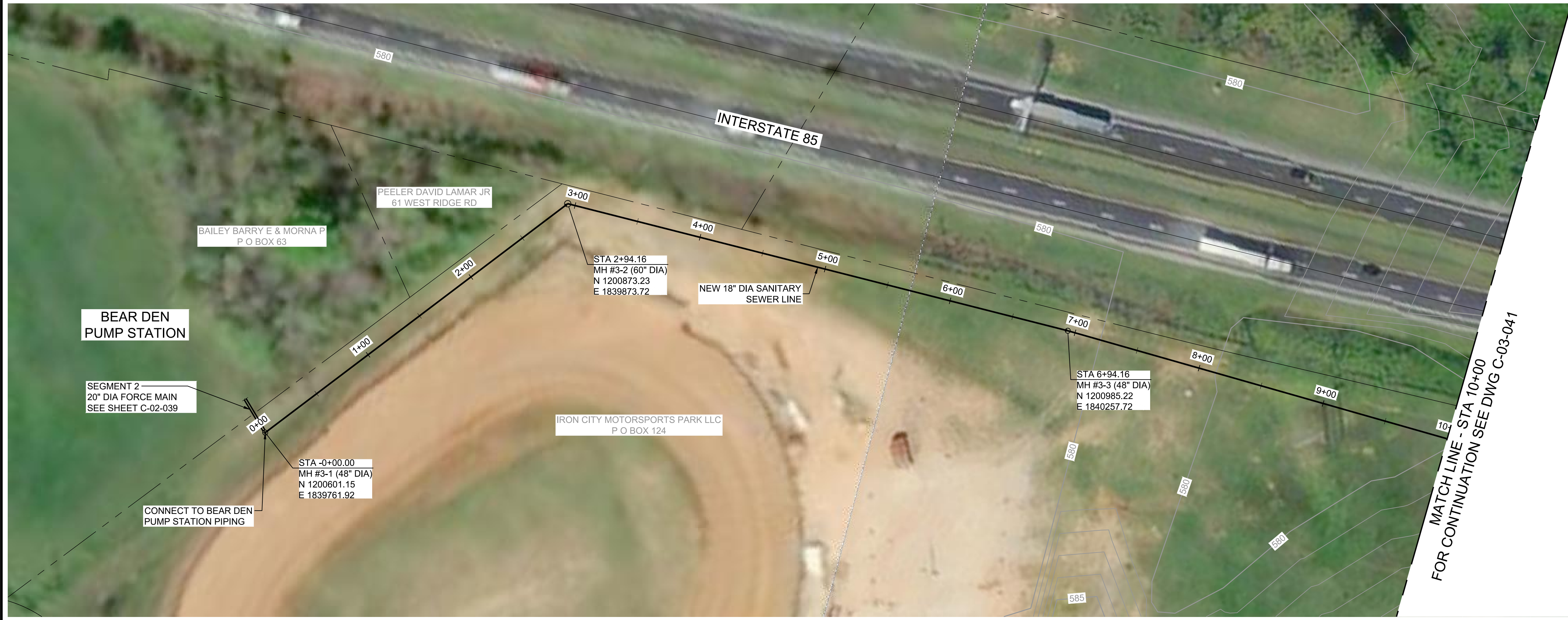
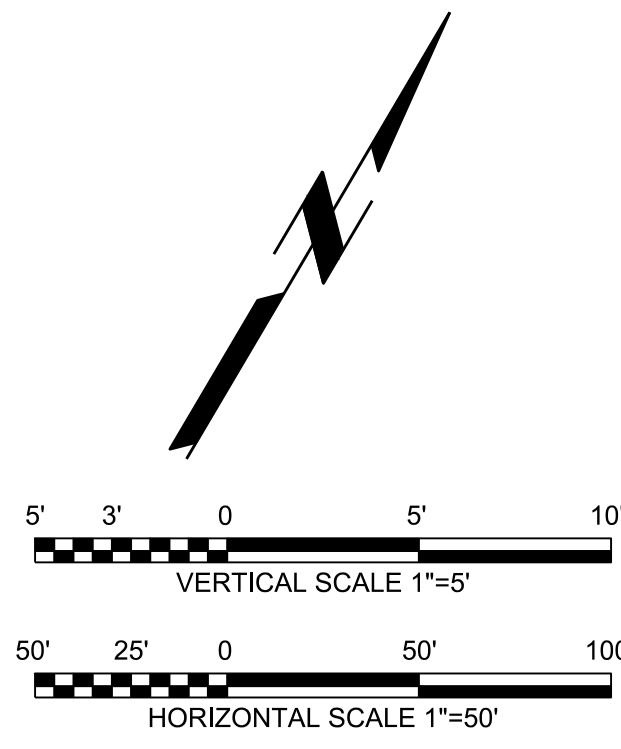
**C-02-039**

XXX  
OF  
XXX



PLOTTED: 5/30/2022 11:24:20 AM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805410381-SEG2-FM-PP-SHT.DWG  
 PLOT: 01000  
 D:\1000

SUBCONSULTANT:



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VOLUME 2 :  
COLLECTIONS

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CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

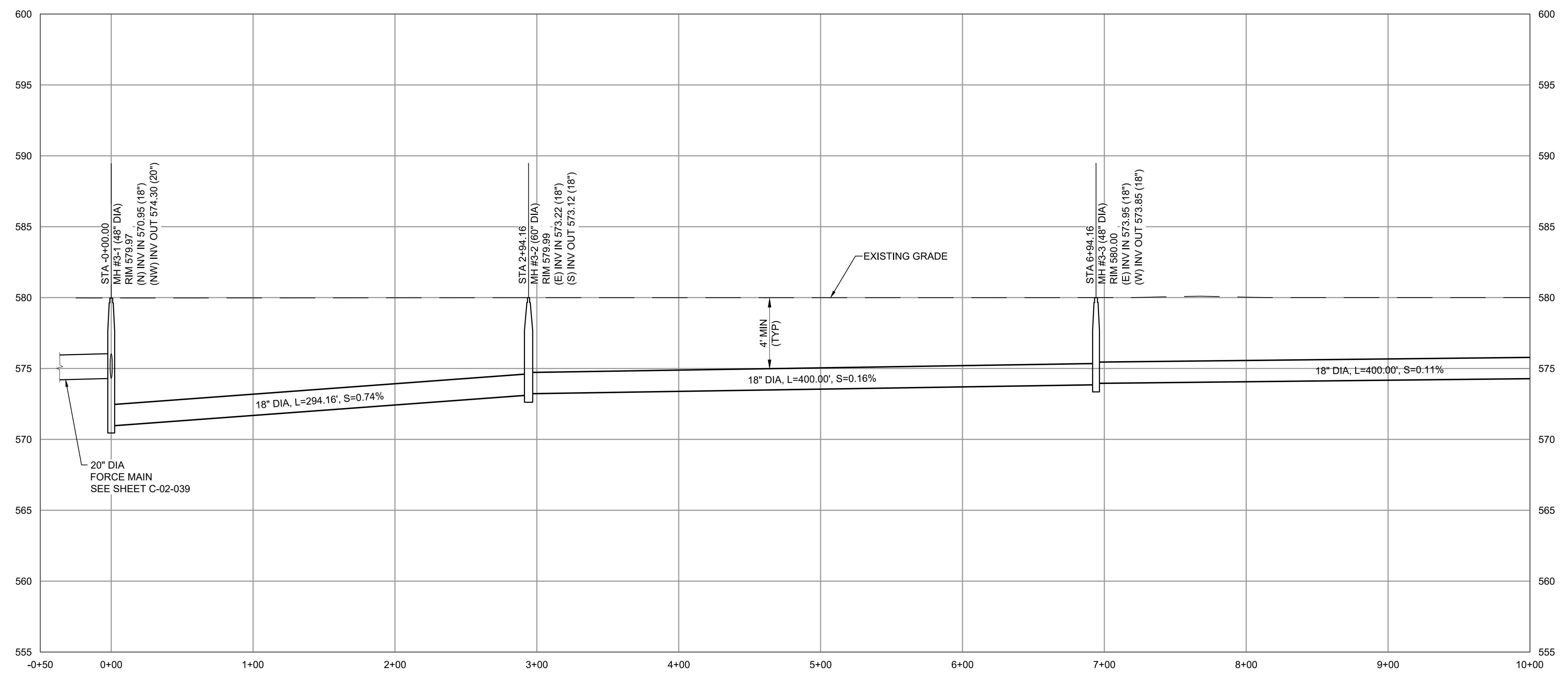
SEGMENT 3  
GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
STA 0+00 TO STA 10+00

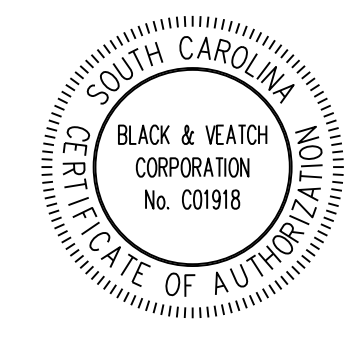
C-03-040

XXX  
OF  
XXX

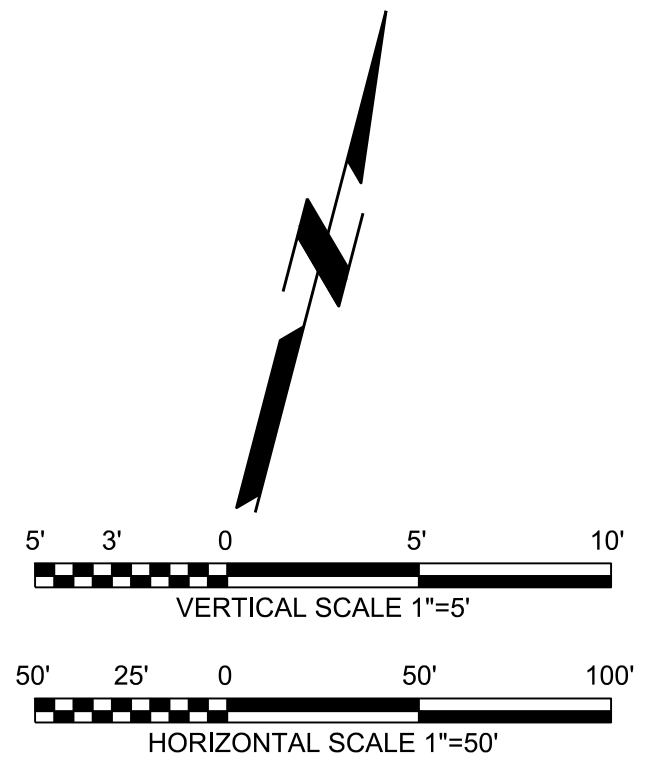


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/30/2022 2:28:10 PM  
 FILE: C:\PW\WORKING\B\W\_AMERICAS\_20\1562805\410381-SEG3-SS-PP-SHT.DWG  
 PLOT: 01000  
 D:\1000



SUBCONSULTANT:



MATCH LINE - STA 10+00  
FOR CONTINUATION SEE DWG C-03-040

MATCH LINE - STA 20+00  
FOR CONTINUATION SEE DWG C-03-042

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

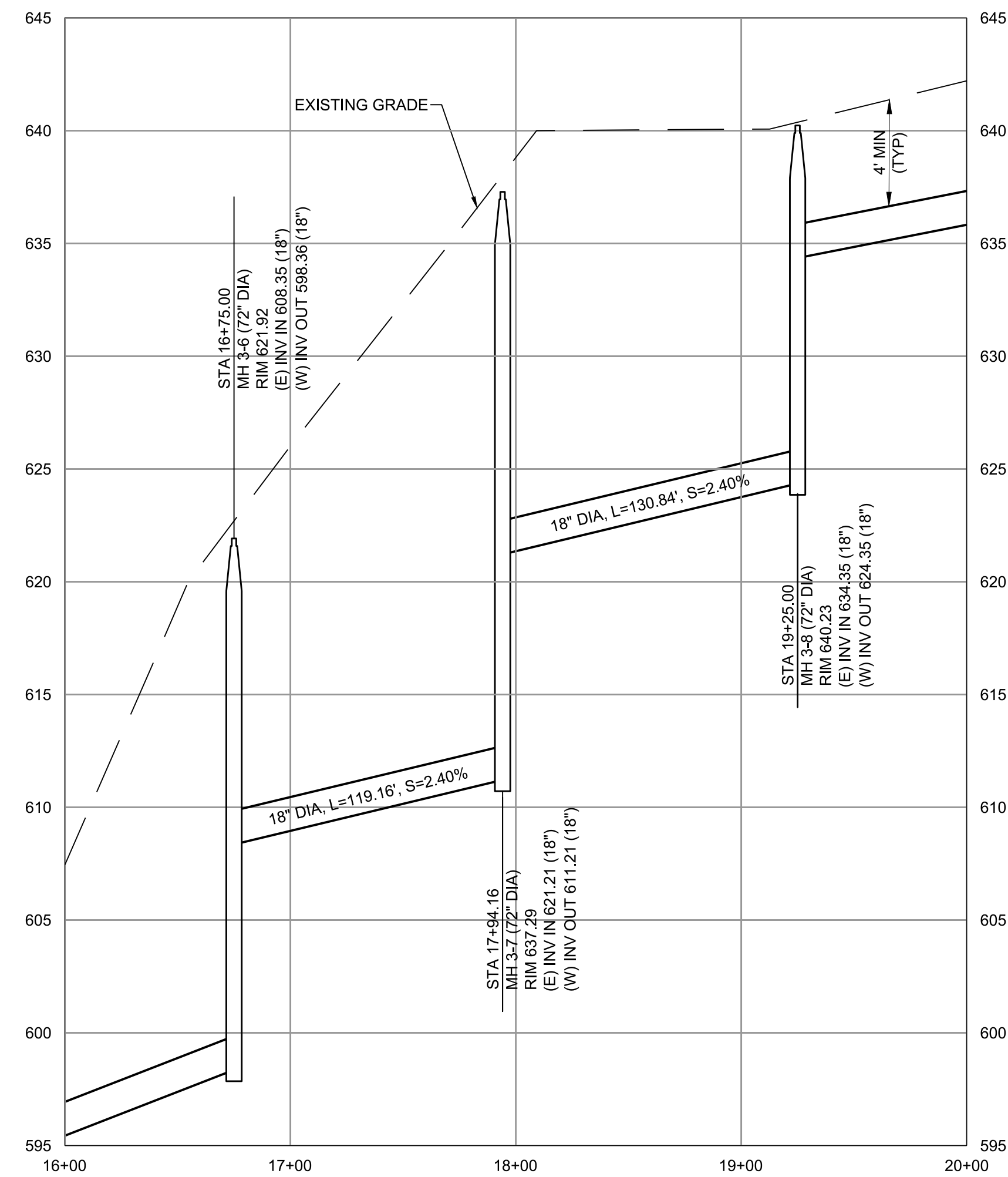
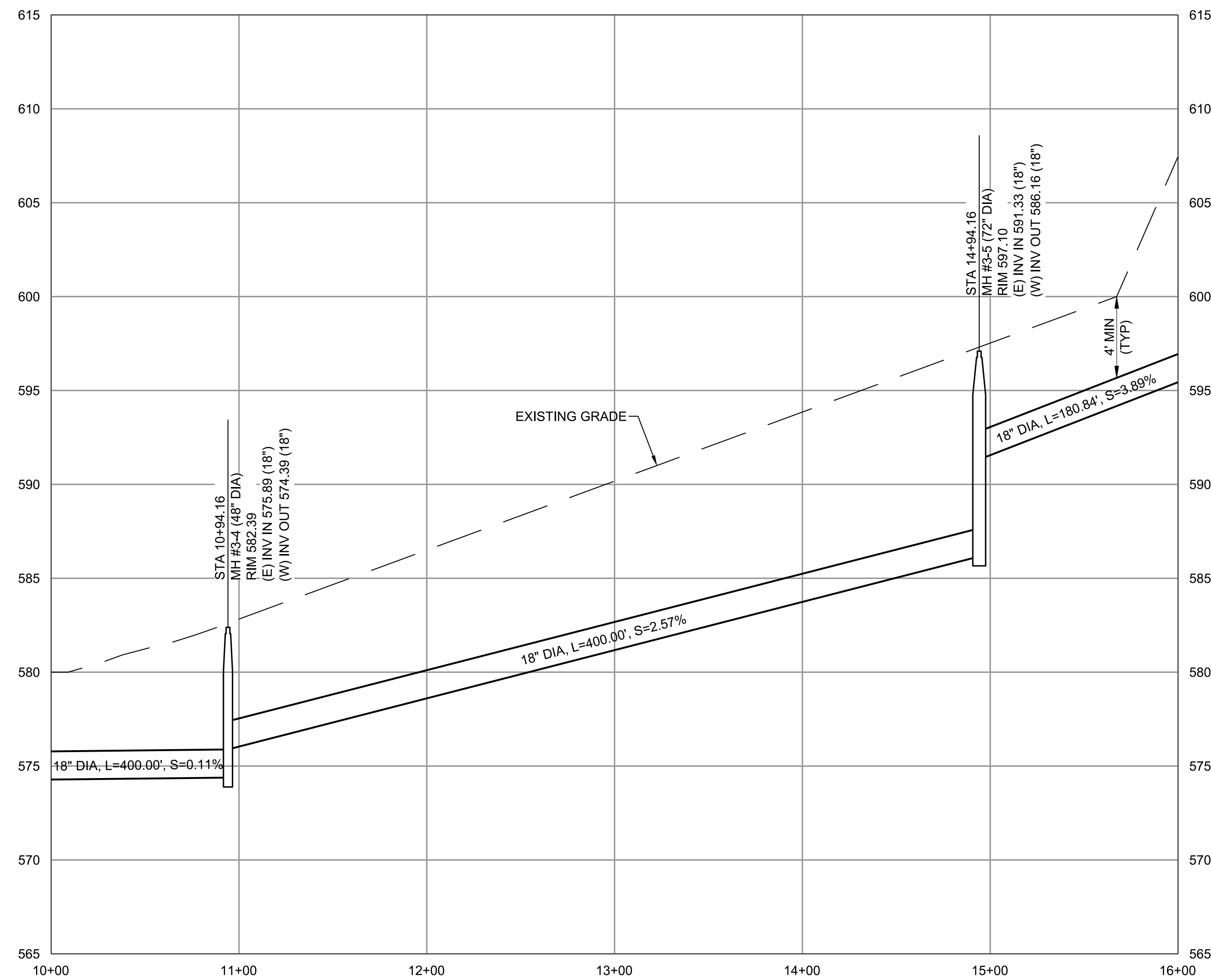
SEGMENT 3  
GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
STA 10+00 TO STA 20+00

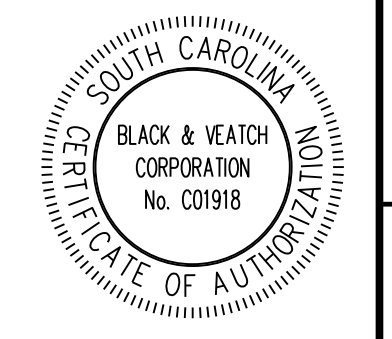
**C-03-041**

XXX  
OF  
XXX

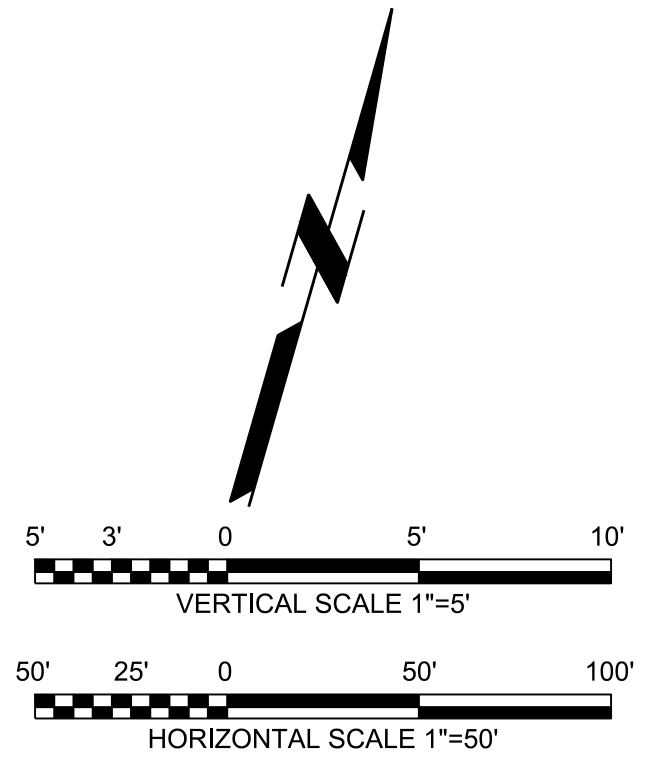


(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

PLOTTED: 5/30/2022 2:46:26 PM  
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D:\1000  
D11000



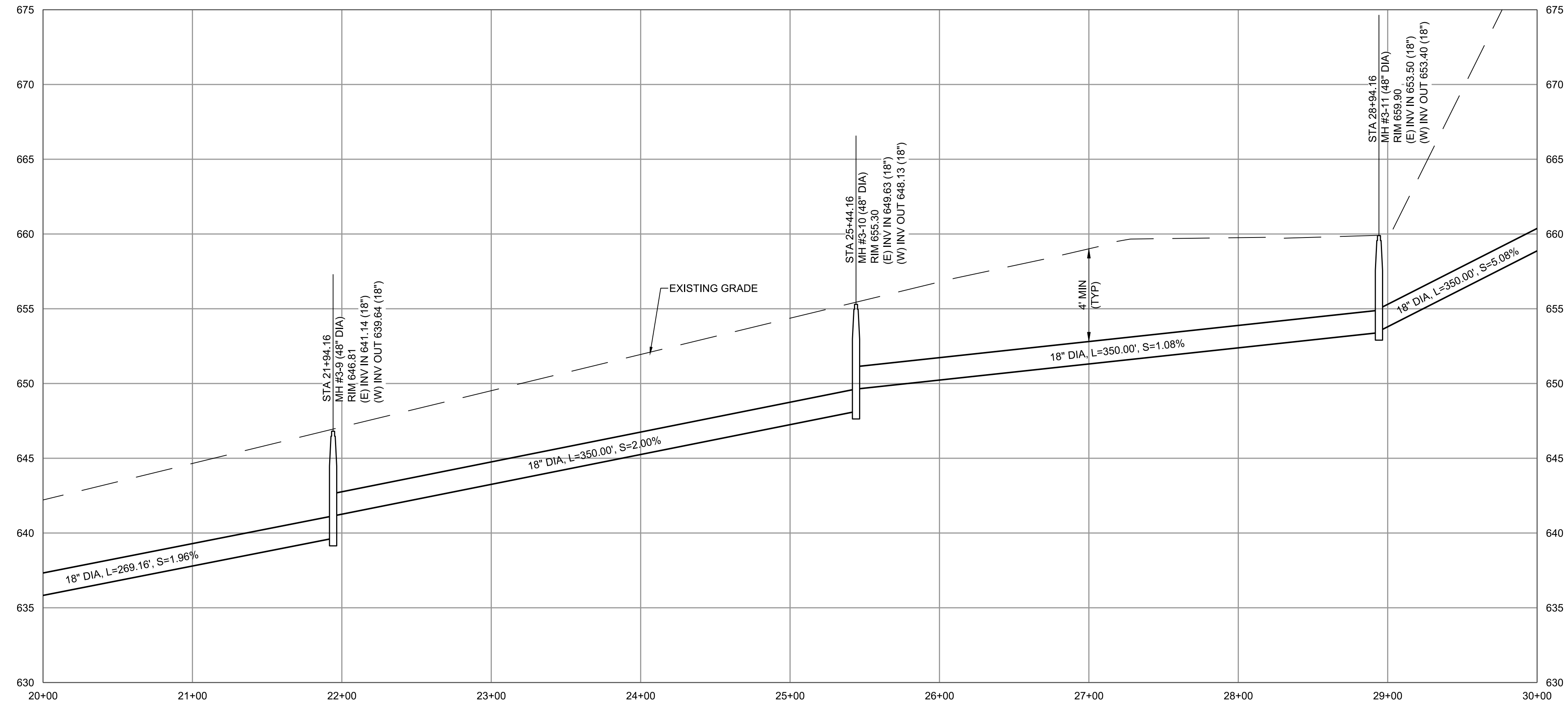
SUBCONSULTANT:



MATCH LINE - STA 20+00  
FOR CONTINUATION SEE DWG C-03-041

MATCH LINE - STA 30+00  
FOR CONTINUATION SEE DWG C-03-043

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 3  
GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
STA 20+00 TO STA 30+00

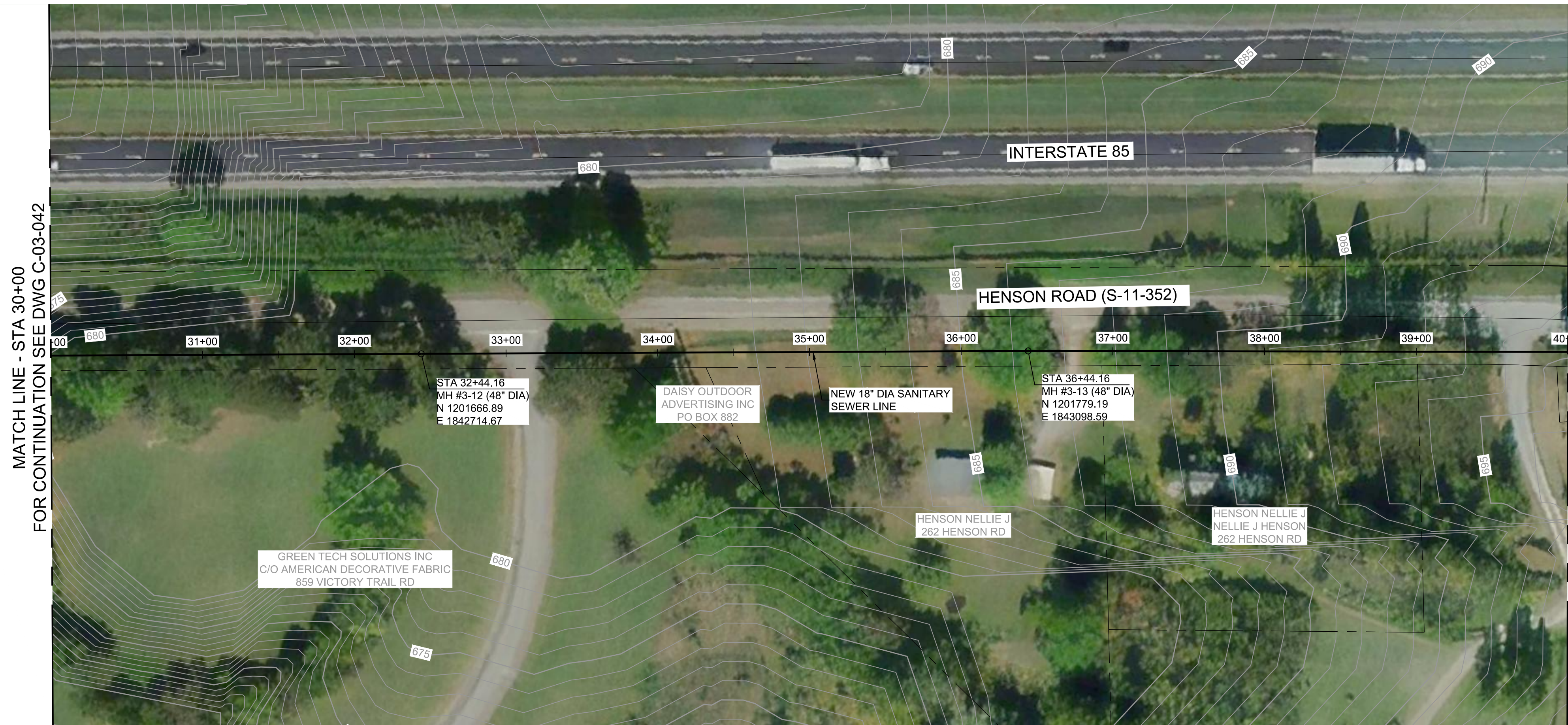
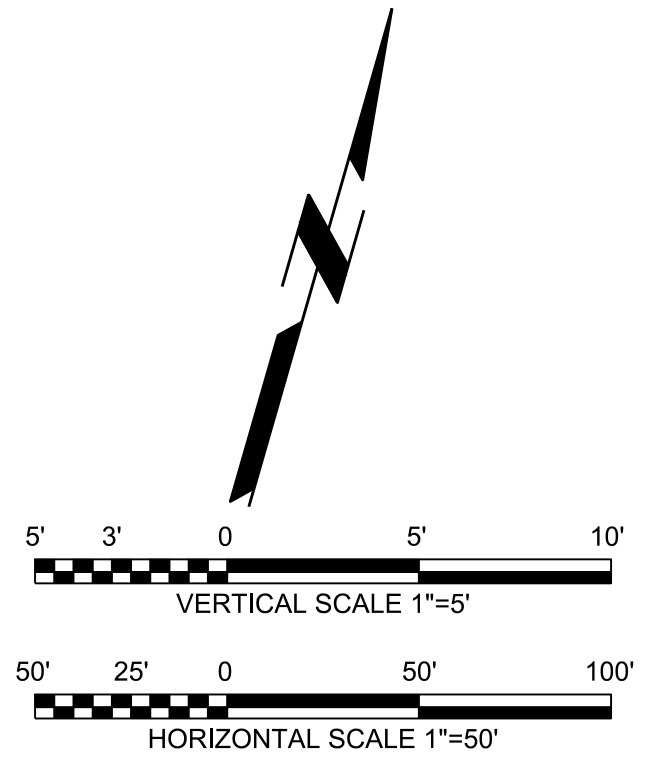
**C-03-042**

XXX  
OF  
XXX

PLOTTED: 5/30/2022 2:47:22 PM  
FILE: C:\PW\WORKING\BWV\_AMERICAS\_20D1562805\410381-SEG3-SS-PP-SHT.DWG  
FDI:000  
D11000

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

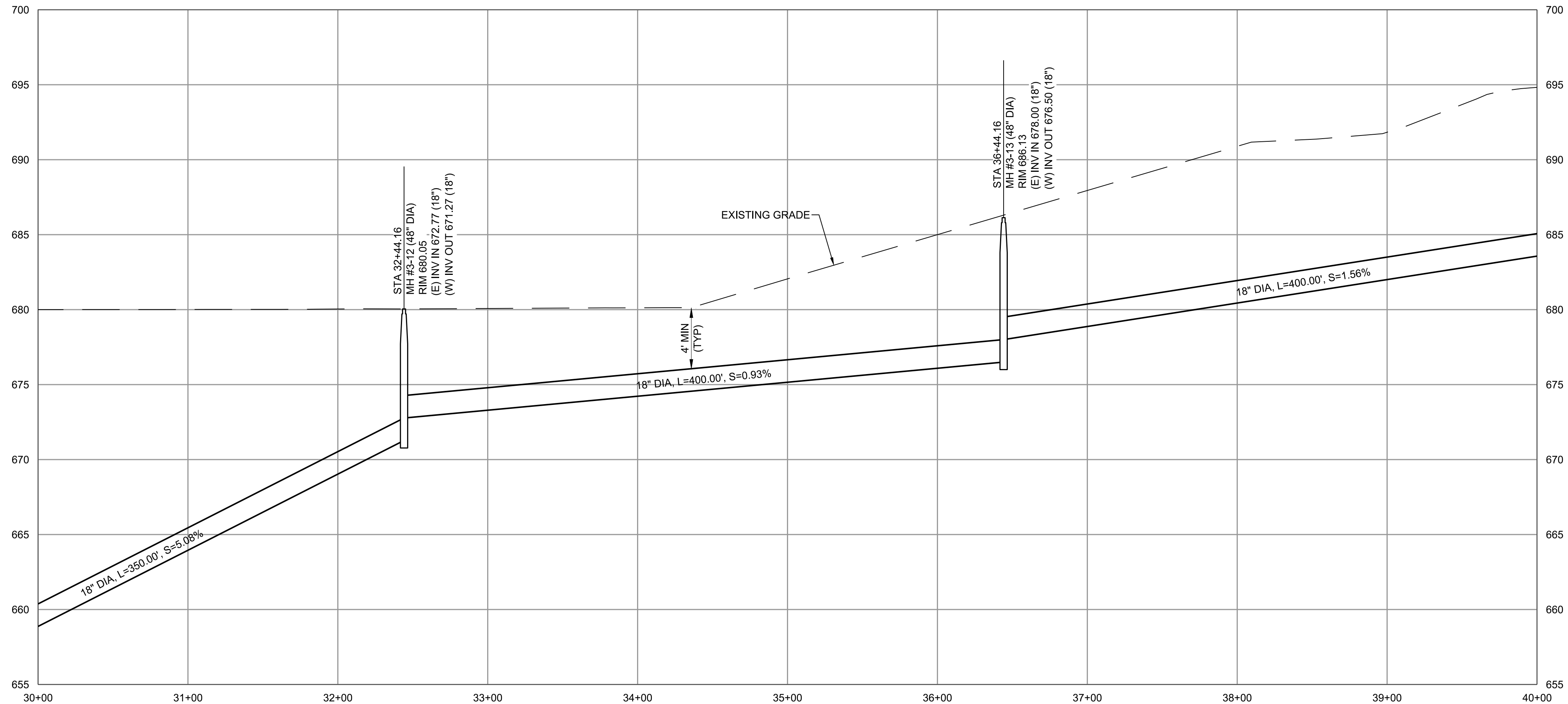
SUBCONSULTANT:



MATCH LINE - STA 30+00  
FOR CONTINUATION SEE DWG C-03-042

MATCH LINE - STA 40+00  
FOR CONTINUATION SEE DWG C-03-044

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
DESIGNED:	LDP
DETAILED:	VSK
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

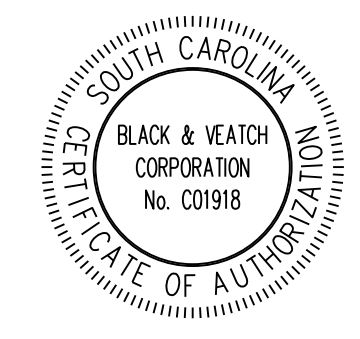
SEGMENT 3  
GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
STA 30+00 TO STA 40+00

**C-03-043**

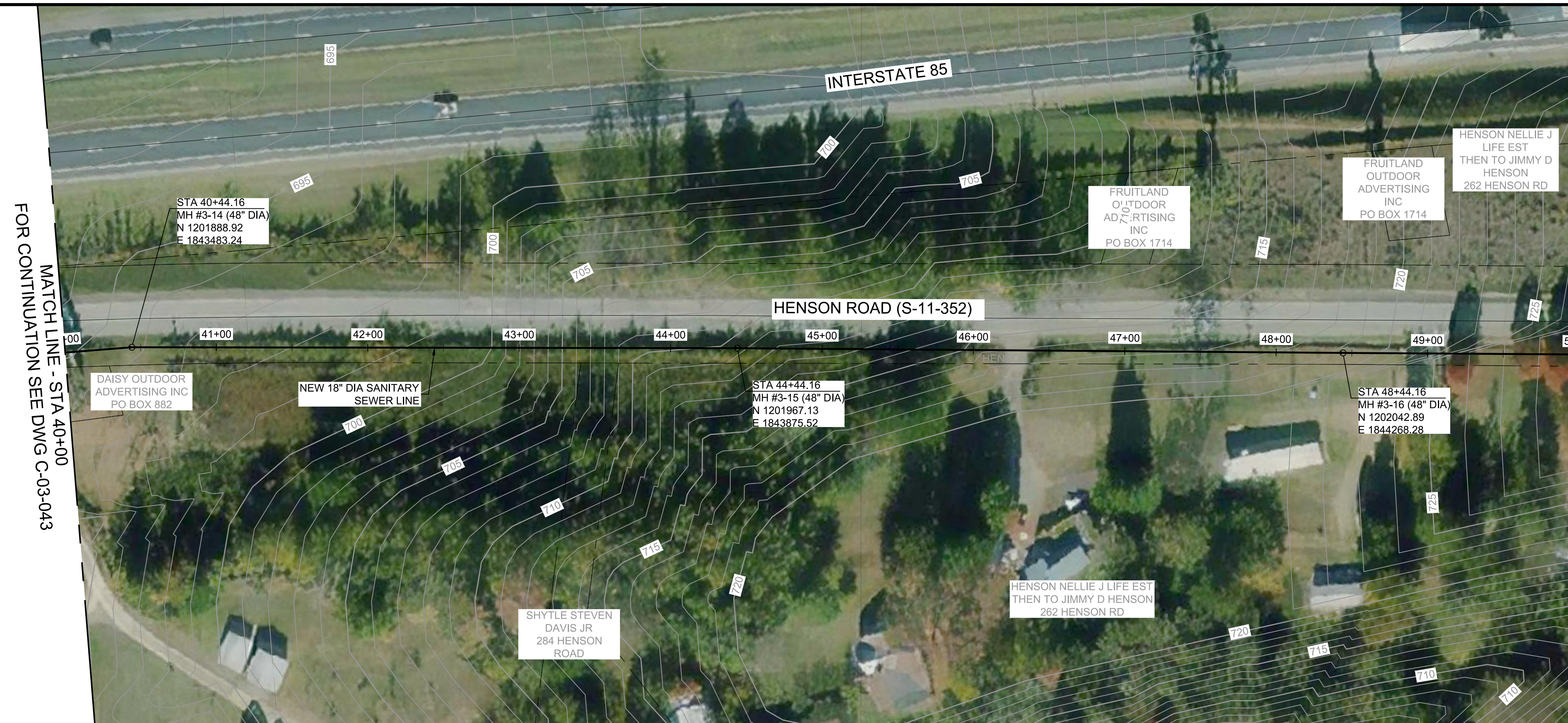
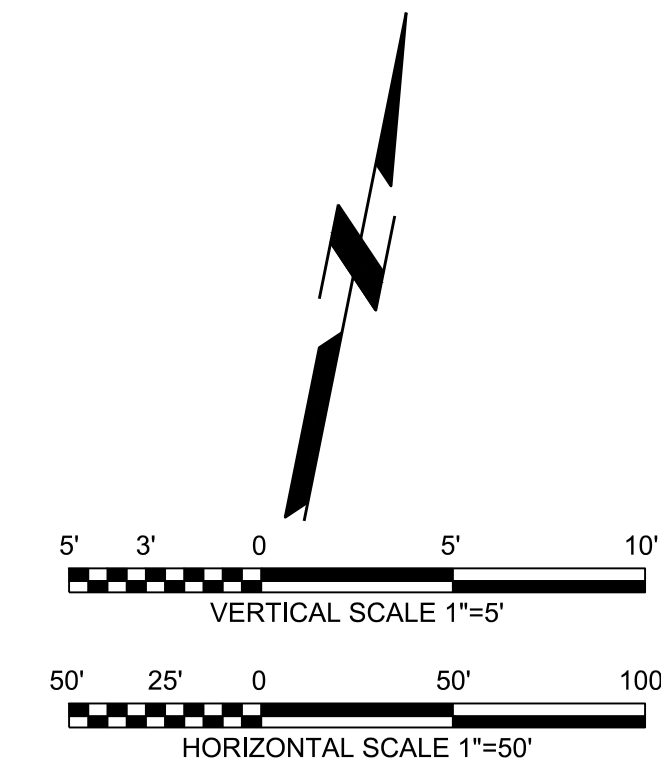
XXX  
OF  
XXX



PLOTTED: 5/30/2022 2:48:16 PM  
FILE: C:\PW\WORKING\B\W\_AMERICAS\_201562805\410381-SEG3-SS-PP-SHT.DWG  
FD11000  
D11000



SUBCONSULTANT:



MATCH LINE - STA 40+00  
FOR CONTINUATION SEE DWG C-03-043

MATCH LINE - STA 50+00  
FOR CONTINUATION SEE DWG C-03-045

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VOLUME 2 :  
COLLECTIONS

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NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
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DETAILED:	VSK
CHECKED:	RTC
APPROVED:	RTC
DATE:	JUNE 2022
PROJECT NO.:	410381

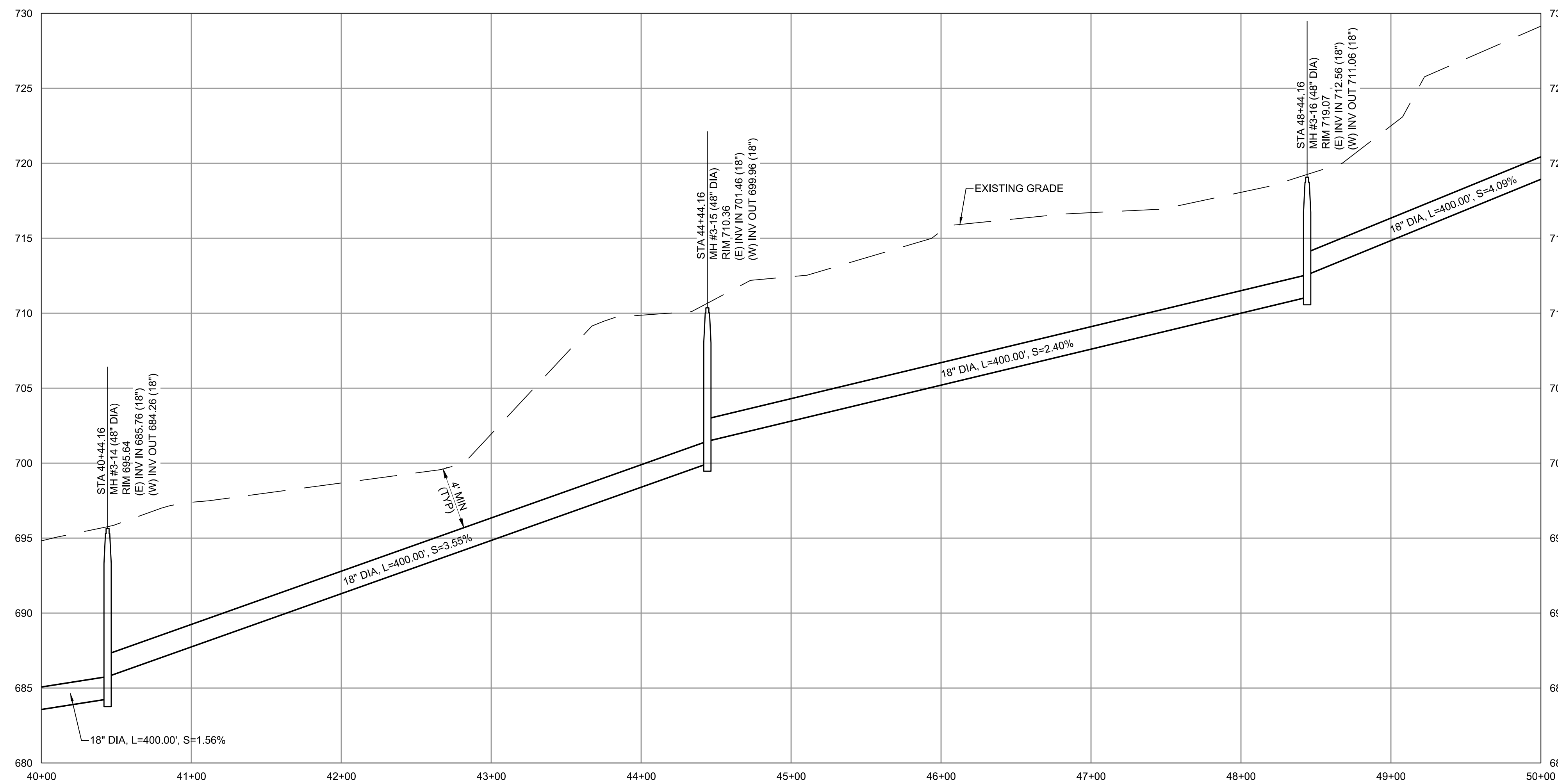
SEGMENT 3  
GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
STA 40+00 TO STA 50+00

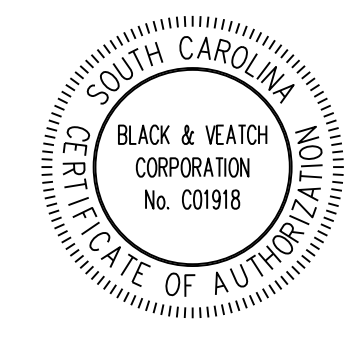
**C-03-044**

XXX  
OF  
XXX

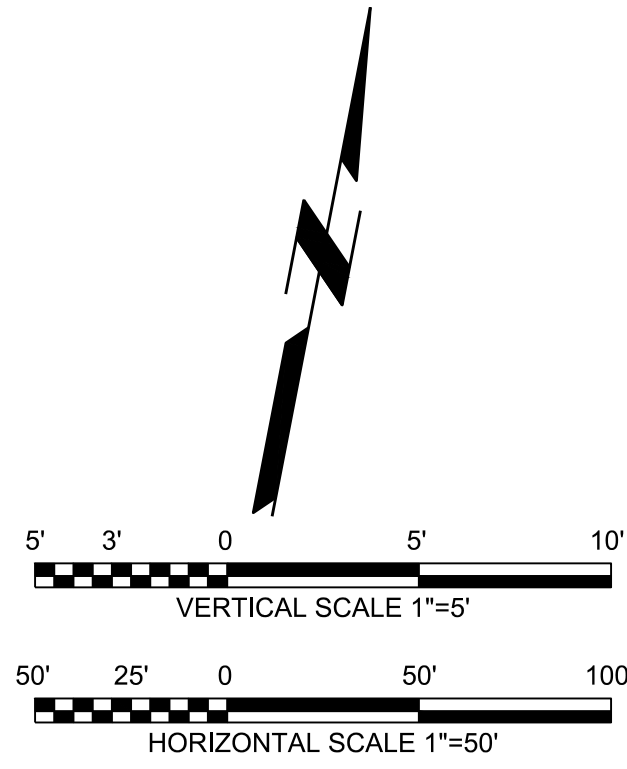


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D11000



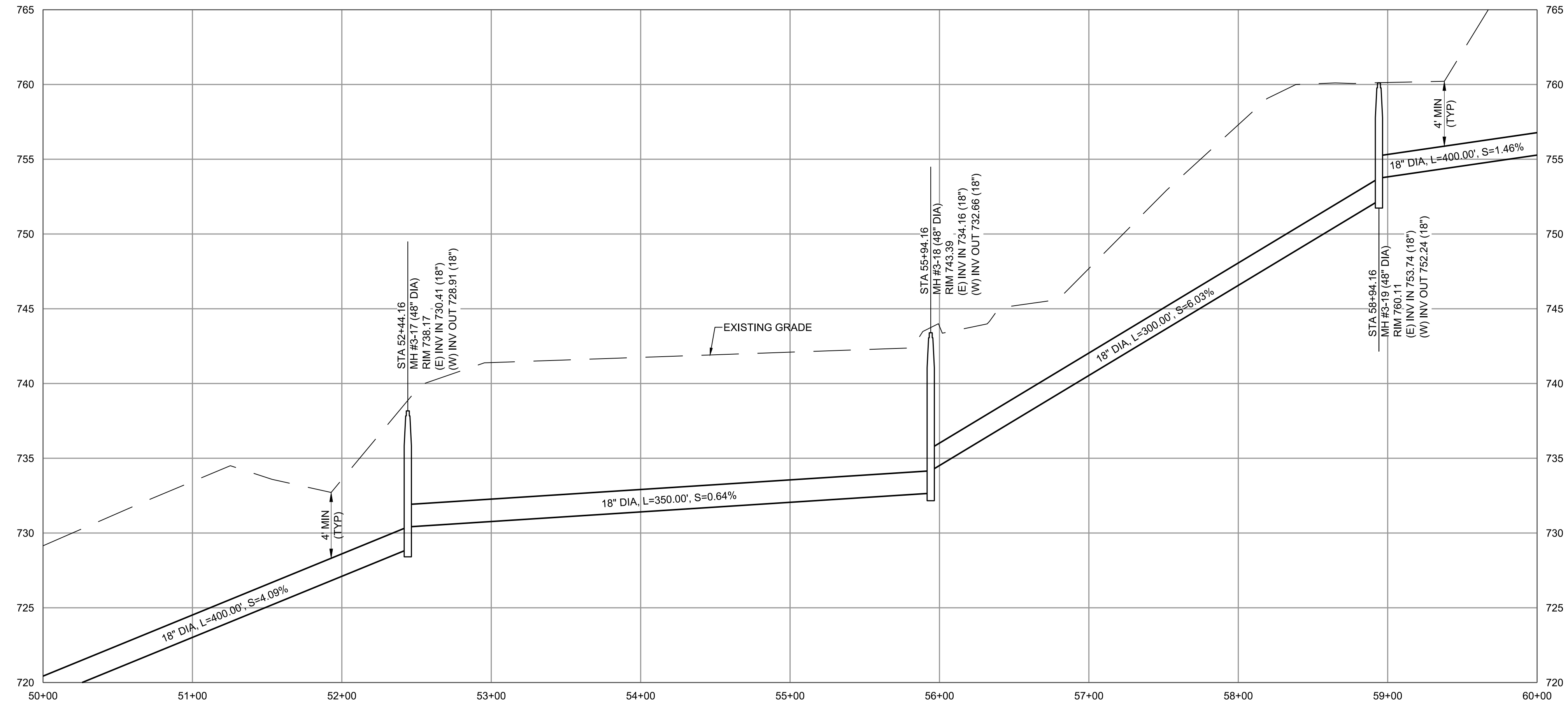
SUBCONSULTANT:



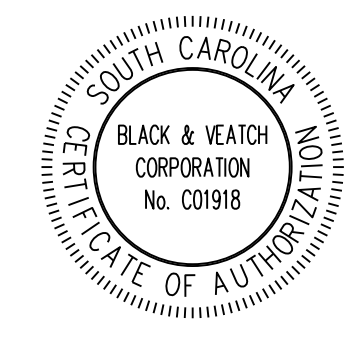
MATCH LINE - STA 50+00  
FOR CONTINUATION SEE DWG C-03-044

MATCH LINE - STA 60+00  
FOR CONTINUATION SEE DWG C-03-046

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D11000



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

**GAFFNEY BOARD OF PUBLIC WORKS**

PROJECT GATEWAY  
VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

SEGMENT 3  
GRAVITY SEWER

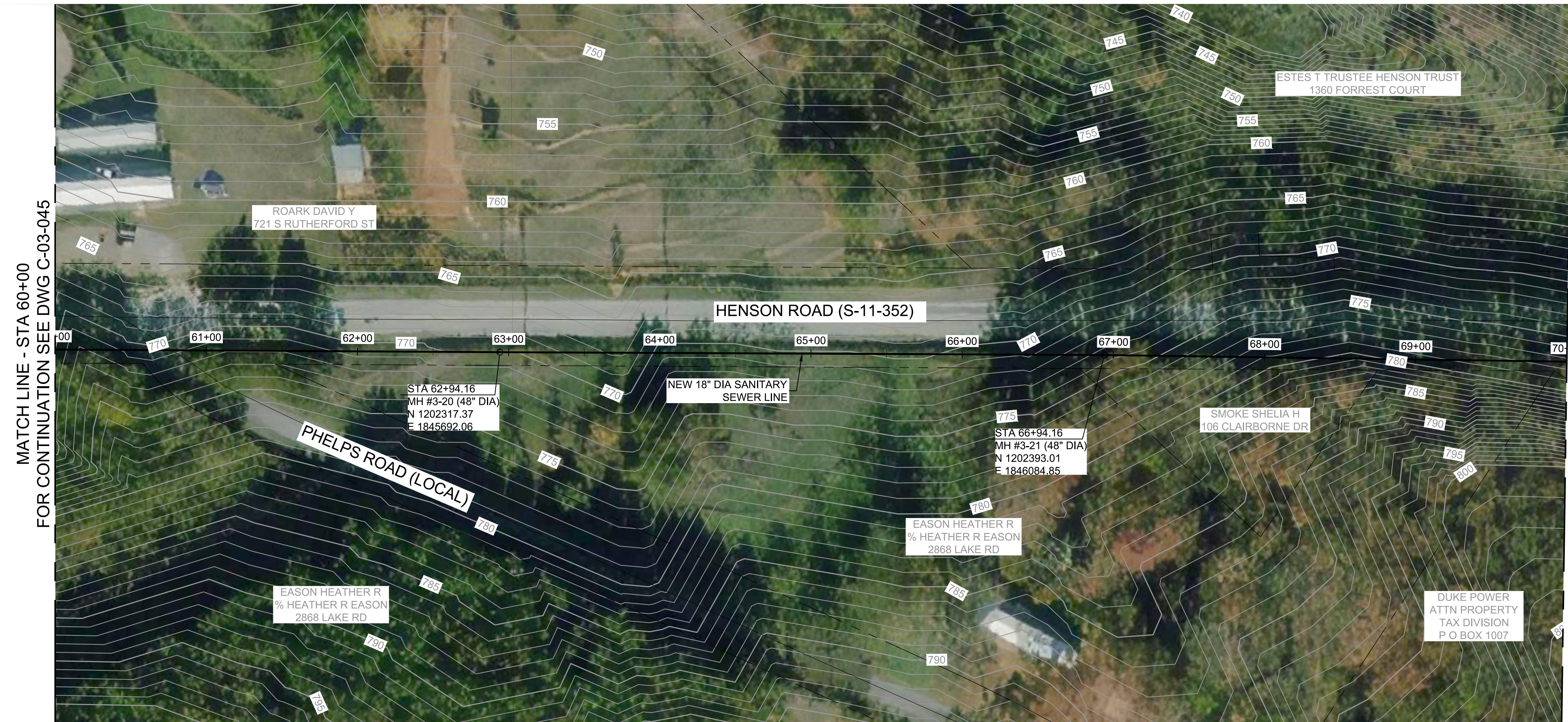
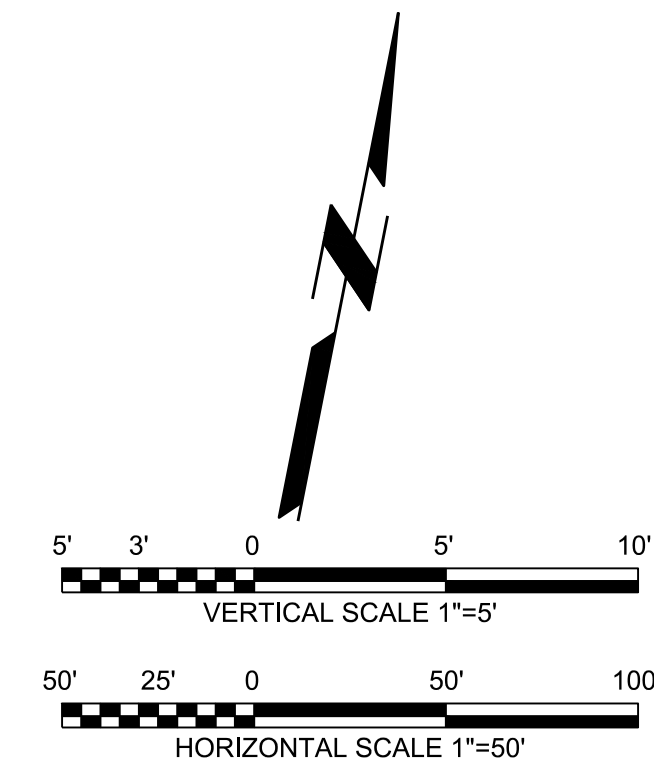
CIVIL

PLAN AND PROFILE  
STA 50+00 TO STA 60+00

**C-03-045**

XXX  
OF  
XXX

SUBCONSULTANT:



MATCH LINE - STA 60+00  
FOR CONTINUATION SEE DWG C-03-045

MATCH LINE - STA 70+00  
FOR CONTINUATION SEE DWG C-03-047

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VOLUME 2 :  
COLLECTIONS

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MM/DD/YY	REVISIONS AND RECORD OF ISSUE
	DESIGNED: LDP
	DETAILED: VSK
	CHECKED: RTC
	APPROVED: RTC
	DATE: JUNE 2022
	PROJECT NO.: 410381

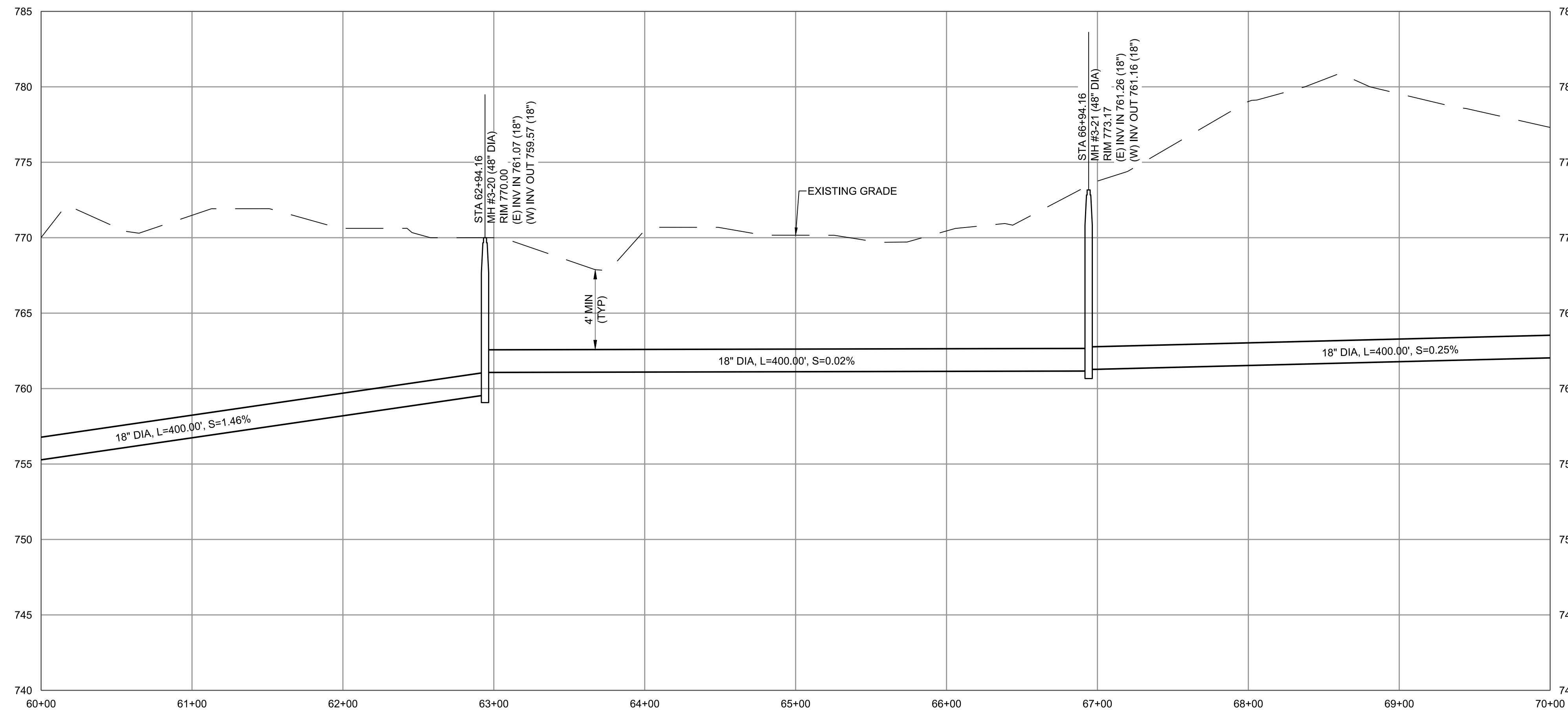
SEGMENT 3  
GRAVITY SEWER

CIVIL

PLAN AND PROFILE  
STA 60+00 TO STA 70+00

**C-03-046**

XXX  
OF  
XXX



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