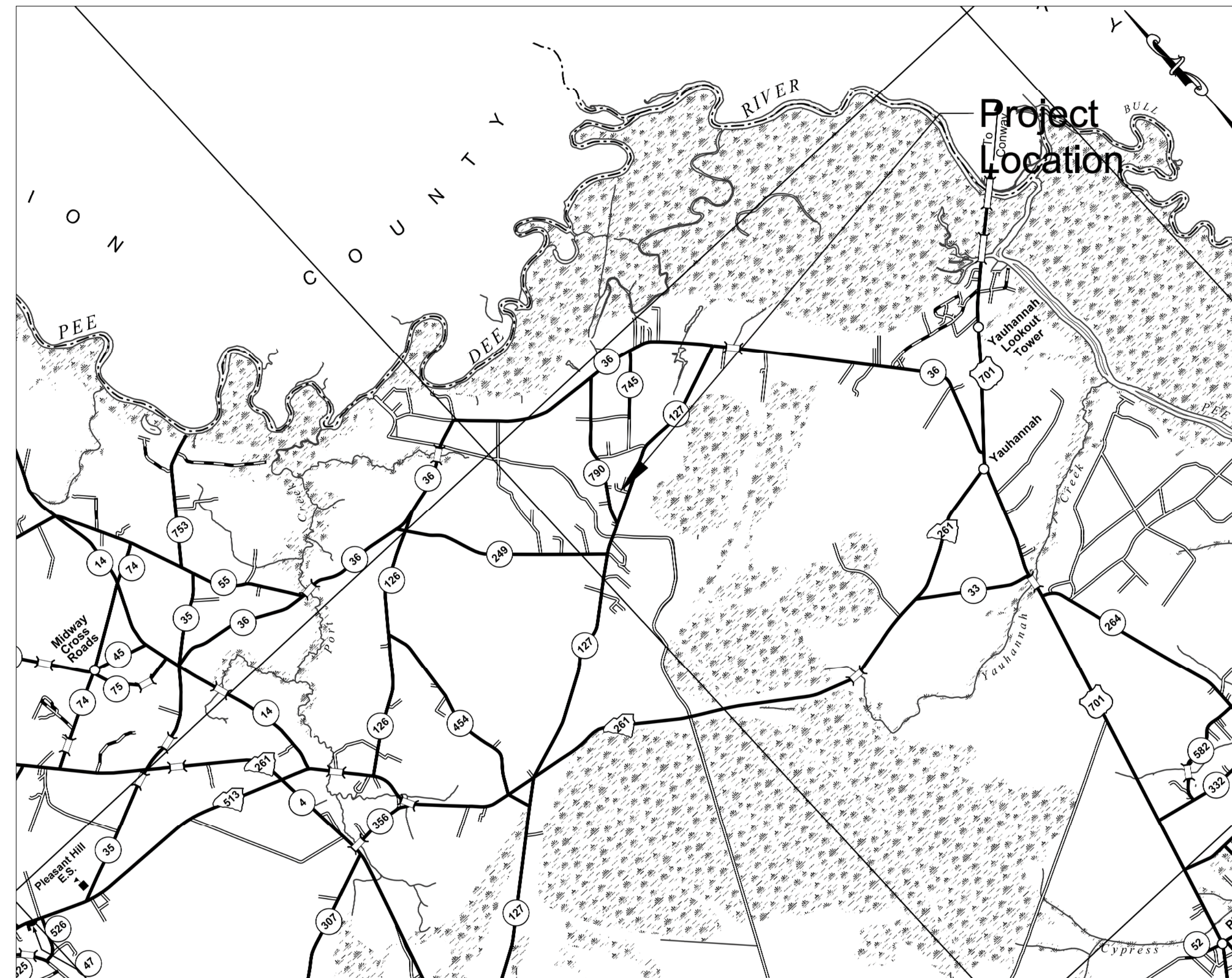


KIDNEYWOOD WAY & SOLDIERWOOD LANE

FOR GEORGETOWN COUNTY

SHEET NO.	SHEET INDEX DESCRIPTION	TOTAL
1	COVER	1
2	QUANTITIES	1
3	TYPICAL SECTION	1
4	STAKEHOLDERS	1
4A	STRIP MAP	1
5	ALIGNMENT	1
5A-5D	NOTES AND DETAILS	4
6-7	PLAN & PROFILE	2
SS1	SIGNAGE & STRIPING	1
EC1	EROSION CONTROL SHEET	1
XS1-XS10	CROSS SECTIONS	10



Vicinity Map
Scale: 1" = 5000'

NET LENGTH OF ROADWAY	0.177 MILES
NET LENGTH OF BRIDGES	0.0 MILES
NET LENGTH OF PROJECT	0.177 MILES
LENGTH OF EXCEPTIONS	0.0 MILES
GROSS LENGTH OF PROJECT	0.177 MILES

NPDES PERMIT INFORMATION
Disturbed Area = 0.69 Acre(s) Total Area = 1.34 Acre(s)
Approximate Location of Roadway is
Latitude 33° 40' 42" Longitude 79° 14' 17"

APPROVED
By Raleigh Ward at 3:04 pm, Nov 12, 2021

SCDOT APPROVED PLAN
PERMIT # 249768
This design appears to meet the general scope and design concept set forth by SCDOT Standards and Specifications. Plan review by SCDOT is for the sole purpose of ascertaining conformance with the general design concept. This plan approval shall not mean that SCDOT assumes any liability of any kind for design errors and omissions by the Engineer or failure to comply with the approved design and or SCDOT Standards and Specifications by the Contractor. All liability is solely on the permit Applicant per permit application item 3 paragraph 2.

General Notes:

- An encroachment permit from the Georgetown County Public Services Department is required prior to commencing work with County right-of-way, or drainage easements.
- Any work within State right-of-way will require a SCDOT Encroachment Permit and shall be in accordance with the latest addition of SCDOT standard specifications, standard drawings, construction manual, and provisions of the permit.
- The contractor shall notify the Georgetown County Public Works Division at least 24 hours prior to starting construction within the right-of-way.
- The contractor shall provide all signs, barricades, flagmen, lights or other devices necessary for safe traffic control in accordance with the current edition of the Manual on Uniform Traffic Control Devices as modified by the South Carolina Supplement to the MUTCD. A traffic control plan shall be submitted to and approved by the Georgetown County Public Works Division prior to the issuance of any construction permit for work within County right-of-way.
- The contractor shall contact South Carolina 811 (sc1pups.org / 1-888-721-7877) at least 72 working day hours prior to construction, and request utility locates.
- Construction specification: Shall comply with the latest edition of the South Carolina Department of Transportation Standard Specifications for Road and Bridge Construction, special provisions and revisions thereto, and as amended by Chapter 5 of the Georgetown County Roadway Design and Construction Manual.
- The subgrade material shall be scarified or removed to a depth required by Georgetown County according to information obtained from laboratory tests and/or as required in the Pavement Design Report. Additives or approved material may be required if the native material is unsatisfactory. The subgrade shall be compacted to a minimum density determined in accordance with AASHTO designation T180 or T99 and in accordance with the SCDOT Standard Specifications Section 208 (current editions).
- Service trenches and utility main trenches shall be compacted throughout the depth of trench.
- Class 6 aggregate base course for shoulders shall be placed and compacted to 95% Standard Proctor after placement of asphalt.
- Existing asphalt pavement shall be straight saw cut or blade cut when adjoining with new asphalt pavement. SS-1 tack coat shall be applied to all surfaces.
- Structural section shall be as approved by the Georgetown County Public Works Division, with pavement design in accordance with the Georgetown County Roadway Design and Construction Manual.



Please Call
Palmetto Utility Protection Service
1-888-721-7877
72 Hours Prior to Beginning Construction

Design Reference for these plans is the:
"Georgetown County Roadway Design & Construction Manual", 2014

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

Description

Date

Revision



Engineer
M. Hines
Drawn By
D. Himmick
Checked By
M. Hines

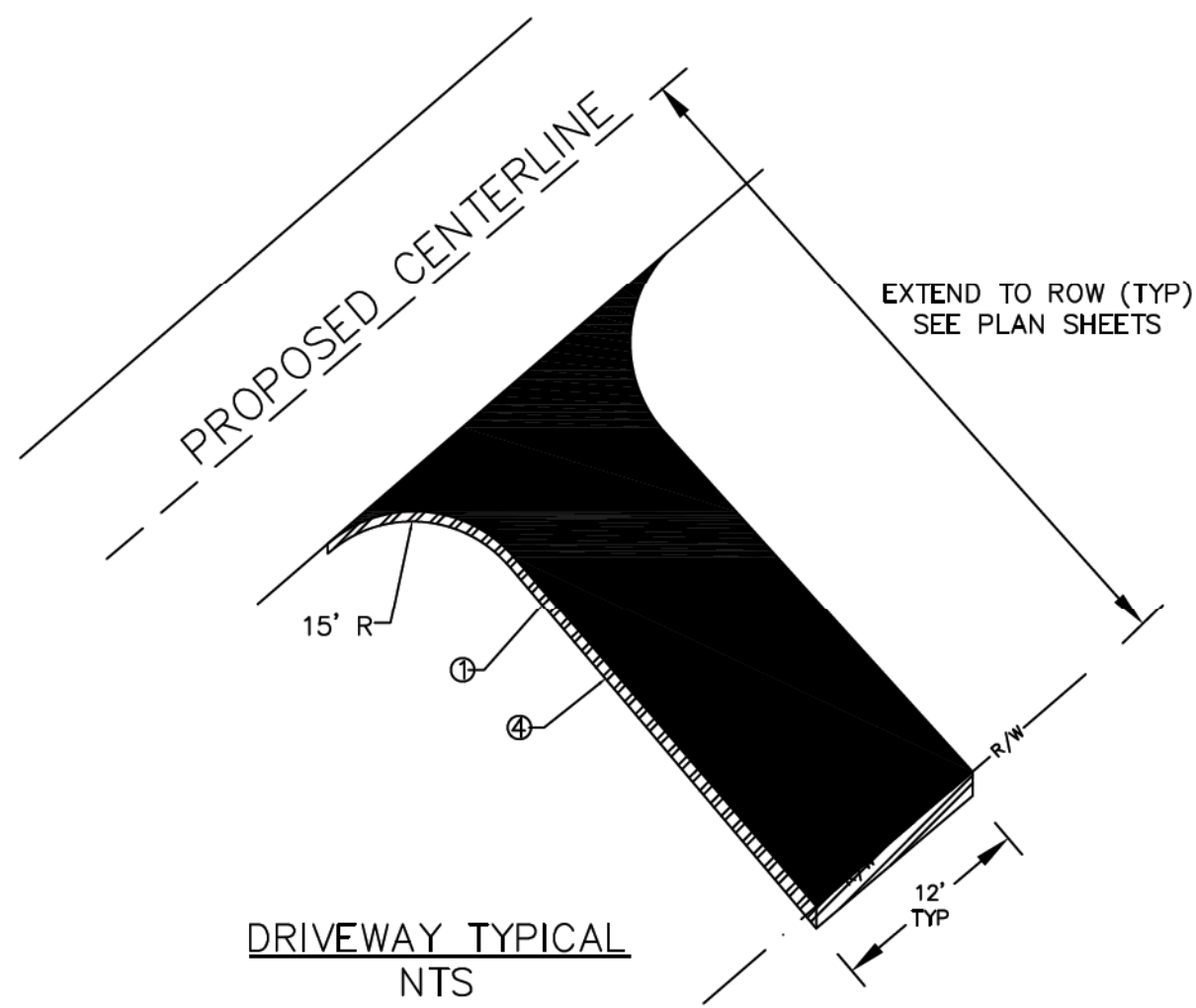
DENNIS CORPORATION
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
www.DennisCorporation.com
Office: (803) 252-0991
1800 Huger Street
Columbia, SC 29201
Fax: (803) 733-8787

KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY
JULY 2020
GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.33

Scale
AS SHOWN

Sheet
1



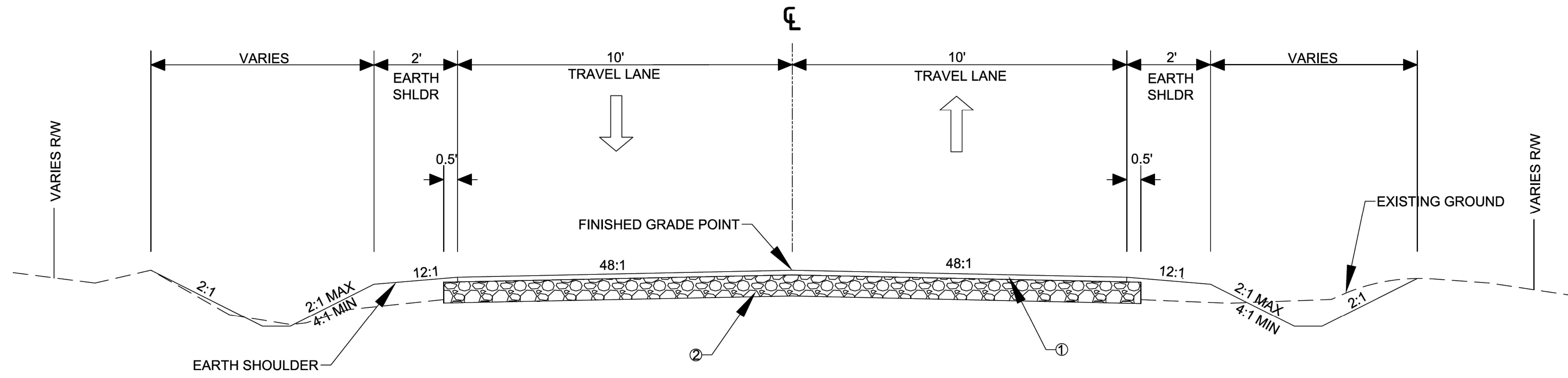
ALL DRIVEWAY RADII WILL BE 15' MINIMUM AND ALL DRIVEWAY WIDTHS WILL BE 12' MINIMUM UNLESS OTHERWISE NOTED ON PLANS

① - 275 PSY HMA SURFACE COURSE TYPE C (+/- 2.5")
② - GRADED AGGREGATE BASE COURSE (4" UNIFORM)

LEGEND

RIGHT-OF-WAY	---
LIMITS OF DISTURBANCE	---
EX. OVERHEAD UTILITY	---
EX. WATER LINE	---
EX. SEWER LINE	---
EX. MANHOLE	⊙
EX. TREE	⊙ 6" DAK
EX. FENCE LINE	---
EX. CONTOUR	---10---
PROPOSED CONTOUR	---10---
EX. EOP	---
PROPOSED EOP	---
EX. PIPE	---
PROPOSED PIPE	---
SILT FENCE	---SF---
PROPOSED CENTER LINE	---
FLOWLINE	--->---
PROPERTY LINE	---
SEDIMENT TUBE	---
PROPOSED SIGN	---

SEE SCDOT STANDARD DRAWINGS 100-105-00 AND 100-110-00 FOR ADDITIONAL SYMBOLS



1. 220 PSY SURFACE COURSE TYPE B HMA (± 2")
2. GRADED AGGREGATE BASE COURSE (8" UNIFORM)

TYPICAL SECTION
KIDNEYWOOD WAY
SOLDIERWOOD LANE
REFER TO CROSS-SECTIONS

Description	
Date	
Revision	
Engineer	M. Hines
Drawn By	D. Hamrick
Checked By	M. Hines
TYPICAL SECTION DENNIS CORPORATION	
KIDNEYWOOD WAY & SOLDIERWOOD LANE for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>	
<small>JULY 2020</small>	
Project G0004.33	
Scale N.T.S.	
Sheet 3	

RIGHT-OF-WAY DATA

TRACT NO	PROPERTY OWNER	TAX MAP	TOTAL TRACT (ACRES)	OBTAIN*				REMAINDER LEFT ACRES**	REMAINDER RIGHT ACRES**	DATE ACQUIRED	TYPE OF INSTRUMENT	OUTFALL DITCH PERMISSION (YES)	SLOPE PERMISSION (YES)	DRAINAGE STRUCTURE PERMISSION (YES)	EROSION CONTROL PERMISSION (YES)	ENTRANCE CONSTRUCTION PERMISSION (YES)	REMARKS
				OUTFALL ACRES	LEFT	RIGHT	TOTAL										
1	PATRICIA POLLARD	03-0421-048-00-00	24220.09								YES	YES	YES	YES			
2	PATRICIA POLLARD	03-0421-048-00-00	24220.09									YES		YES			
3	MARIE & NATHANIEL HOLMES	03-0421-048-09-00	1.00									YES		YES			
4	GERMELINA COHEN	03-0421-043-08-00	2.27									YES	YES	YES			
5	BESSIE MAE COHEN	03-0421-043-00-00	2.27									YES	YES	YES			
6	VIVIAN HUTCHINSON	03-0421-041-03-00	1.01									YES	YES	YES			
7	JOHN & DOROTHY COLES	03-0421-048-04-00	1.00									YES		YES			
8	YOLANDA CANTEEN	03-0421-048-08-00	1.00									YES		YES			
9	ANGEL SUMPTER	03-0421-048-07-00	0.57														
10	CARENTHINA SUMTER	03-0421-048-01-00	1.00														
11	GEORGETOWN COUNTY	03-0422-014-02-00	23.78														

UTILITY CONTACTS

UTILITY COMPANY	TYPE OF UTILITY	CONTACT NAME	CONTACT NUMBER

* TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES OBTAINS WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEE. IN RURAL AREAS, OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.

** SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRES.

Description

Date

Revision

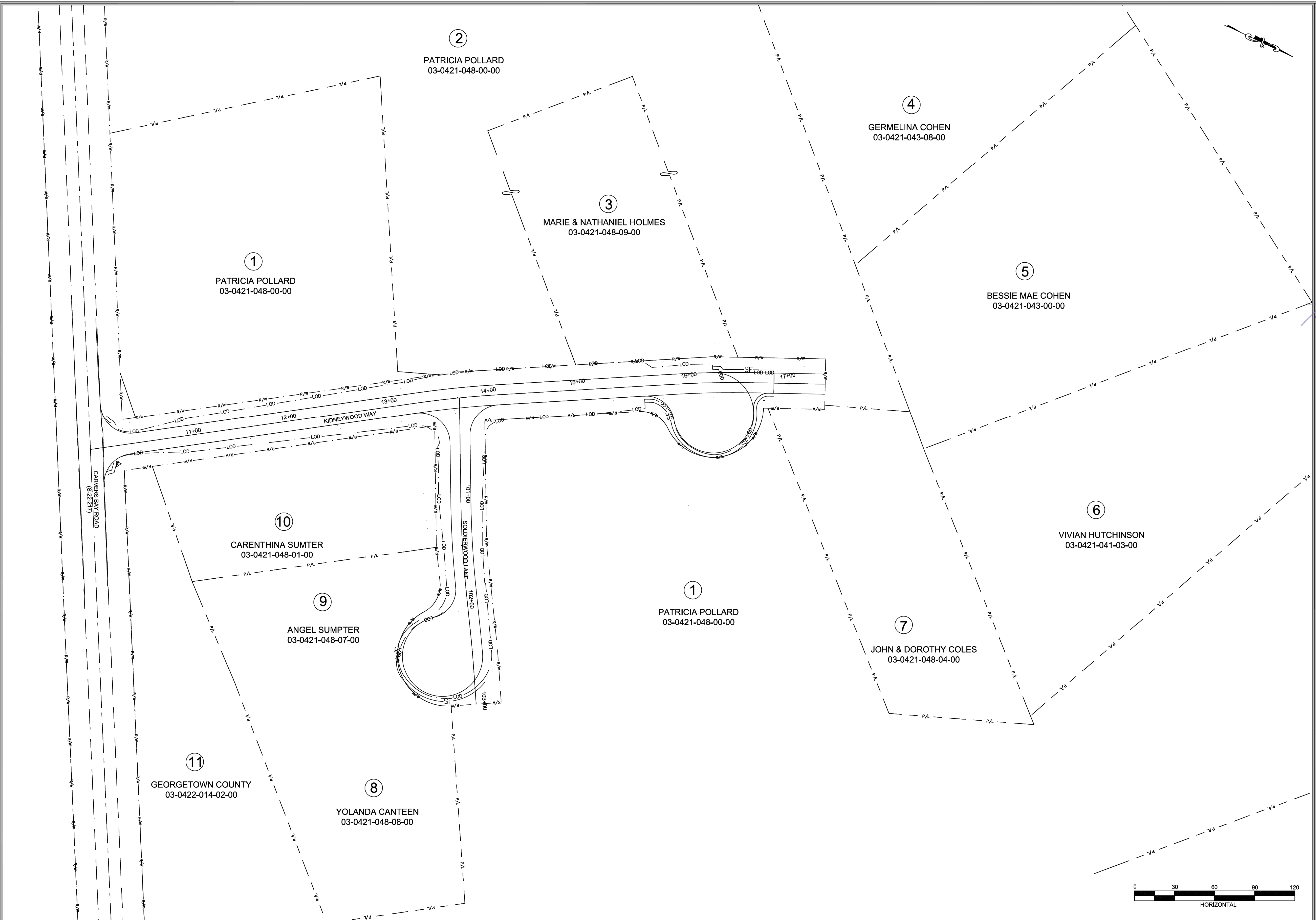


Engineer
M. Hines
Drawn By
D. Hinnick
Checked By
M. Hines



RIGHT-OF-WAY DATA SHEET
DENNIS
CORPORATION

KIDNEYWOOD WAY & SOLDIERWOOD LANE
for
GEORGETOWN COUNTY
JULY 2020
GEORGETOWN COUNTY | SOUTH CAROLINA

Project
G0004.33
Scale
N.T.S.
Sheet
4



Revision	Date	Description

Engineer	M. Hines
Drawn By	D. Himmick
Checked By	M. Hines

STRIP MAP

DENNIS CORPORATION

KIDNEYWOOD WAY & SOLDIERWOOD LANE for GEORGETOWN COUNTY

GEORGETOWN COUNTY | SOUTH CAROLINA

JULY 2020

Project **G0004.33**

Scale **1"=30'**

Sheet **4A**



ALIGNMENT DATA KIDNEYWOOD WAY

CHAIN	CURVE	LOCATION	STATION	NORTHING	EASTING	DELTA	TANGENT	LENGTH	RADIUS
KW									
	KW_1	PC	13+28.29	671502.695	2536039.660				
		PI	13+69.37	672537.103	2536877.273	04°42'17" RT	42.08'	82.11'	1000'
		PT	14+10.40	671573.237	2535997.677				
KW									
	KW_2	PC	15+84.64	671726.494	2535914.789				
		PI	16+24.14	671761.237	2536794.384	04°31'26" RT	39.50'	78.96'	1000'
		PT	16+63.59	671797.354	2535880.007				

ALIGNMENT DATA SOLDIERWOOD LANE

CHAIN	CURVE	LOCATION	STATION	NORTHING	EASTING	DELTA	TANGENT	LENGTH	RADIUS
SL									
	SL_1	PC	101+02.32	671583.659	2536109.117				
		PI	101+47.40	671603.263	253149.709	05°09'43" LT	45.08'	90.09'	1000'
		PT	101+92.42	671626.440	2536188.372				
SL									
	SL_2	PC	102+31.20	671646.381	2536221.639				
		PI	12+52.92	671657.549	2536240.268	01°56'55" RT	21.72'	43.44'	1277'
		PT	102+74.64	671668.076	2536259.266				

Description

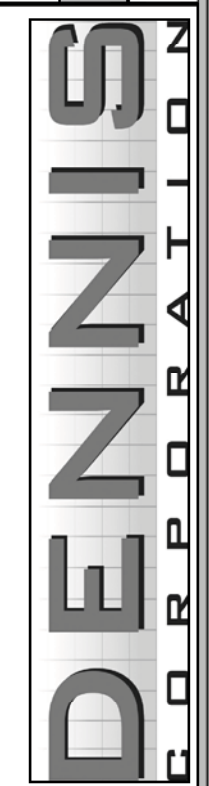
Date

Revision



Engineer	M. Hines	Drawn By	D. Hinnick	Checked By	M. Hines
----------	----------	----------	------------	------------	----------

ALIGNMENT DATA



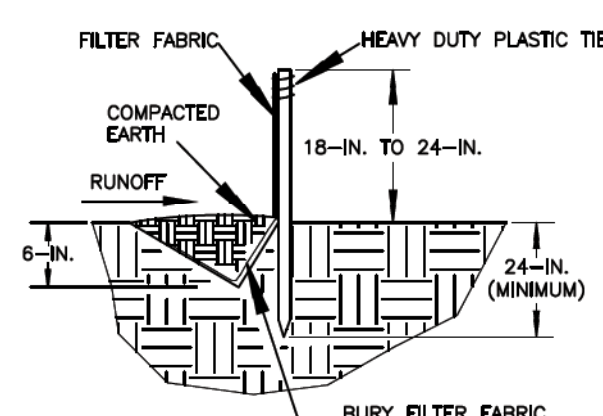
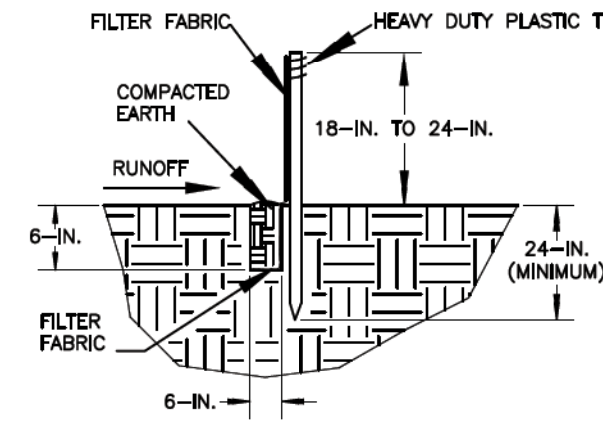
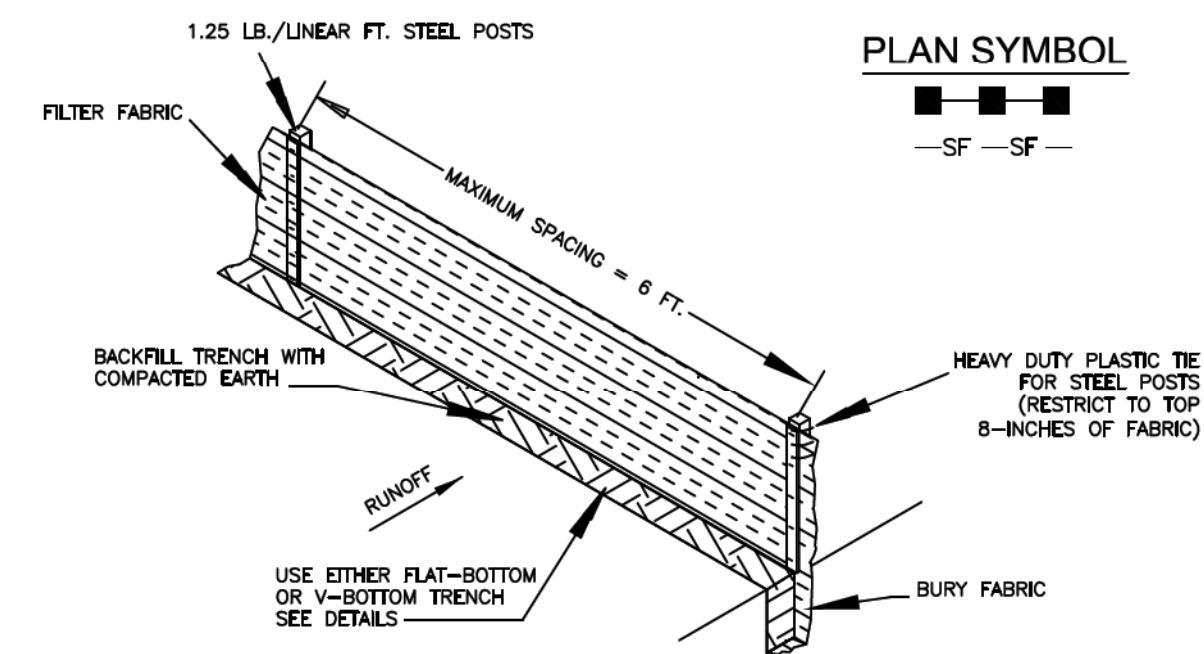
KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
JULY 2020

Project
G0004.33
Scale
N/A
Sheet
5

SILT FENCE INSTALLATION

FLAT-BOTTOM TRENCH DETAIL

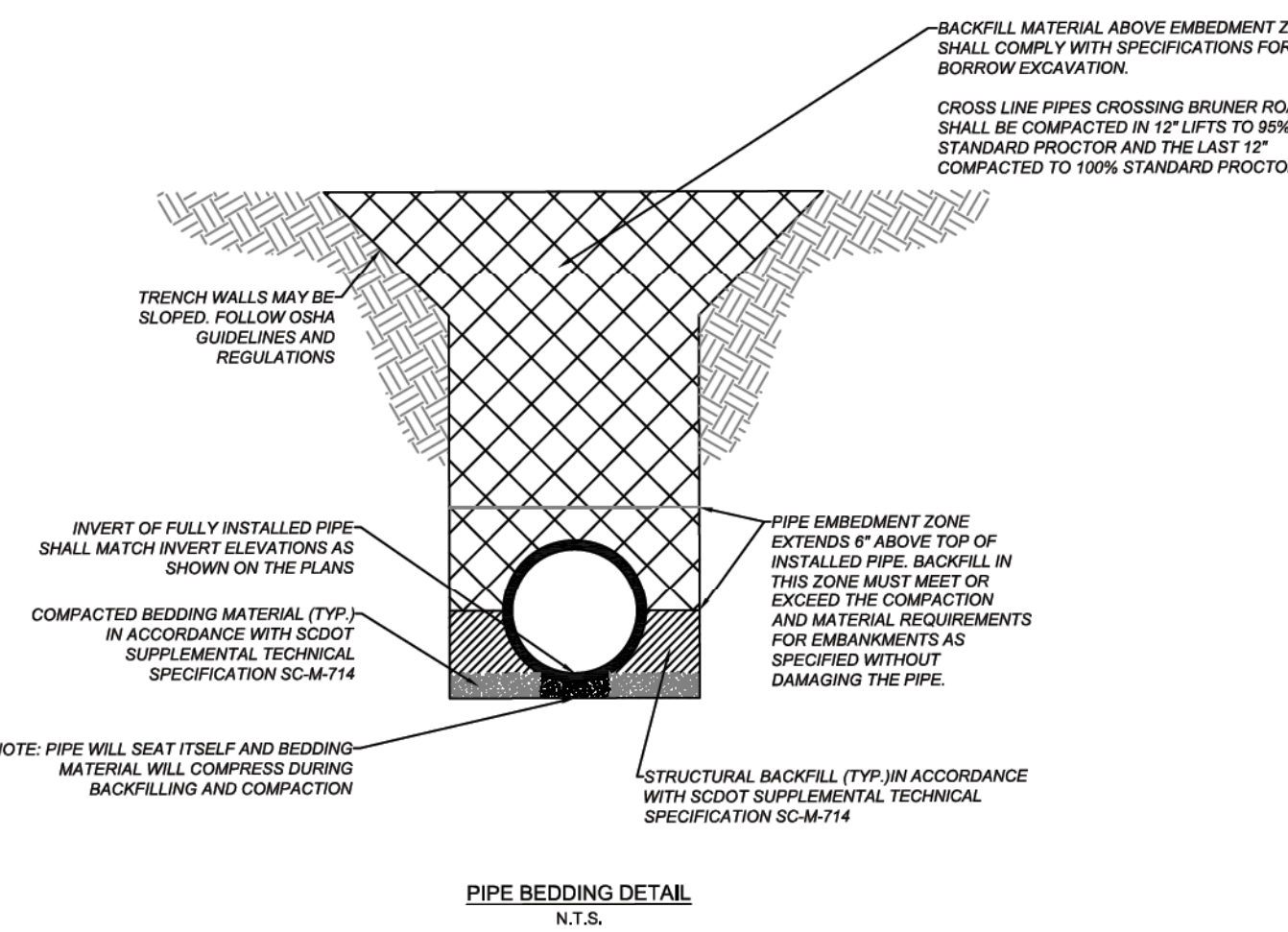
V-SHAPED TRENCH DETAIL



- SILT FENCE - GENERAL NOTES**
- Do not place silt fences across ditches or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
 - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
 - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
 - Silt fence joints, when necessary, shall be completed by one of the following options:
 - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
 - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties, or,
 - Overlap entire width of each silt fence roll from one support post to the next support post.
 - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
 - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the top of steep slopes to provide sediment storage and access for maintenance and cleanout.
 - Install Silt Fence Checks (Ti-Backs) every 50-100 feet, depending on slope, along silt fence that is installed on slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

SEDIMENT & EROSION CONTROL NOTES

- AS NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY DRAINS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- 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 NOTED:
 - 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.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INSTALLED INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE INSTALLATION OF UTILITIES. FULL COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- 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.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LOADED WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- 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.
- A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
- 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 RELEASING OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
 - FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THE PERMIT GENERAL PERMITS FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND/OR SCS WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS NOT PRACTICABLE, THE ACTION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRECONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE. THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE SC DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL HAS APPROVED OTHERWISE.



SILT FENCE - 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.
 - Weight 1.25 pounds per foot (± 8%).
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
- 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 6-feet on center.

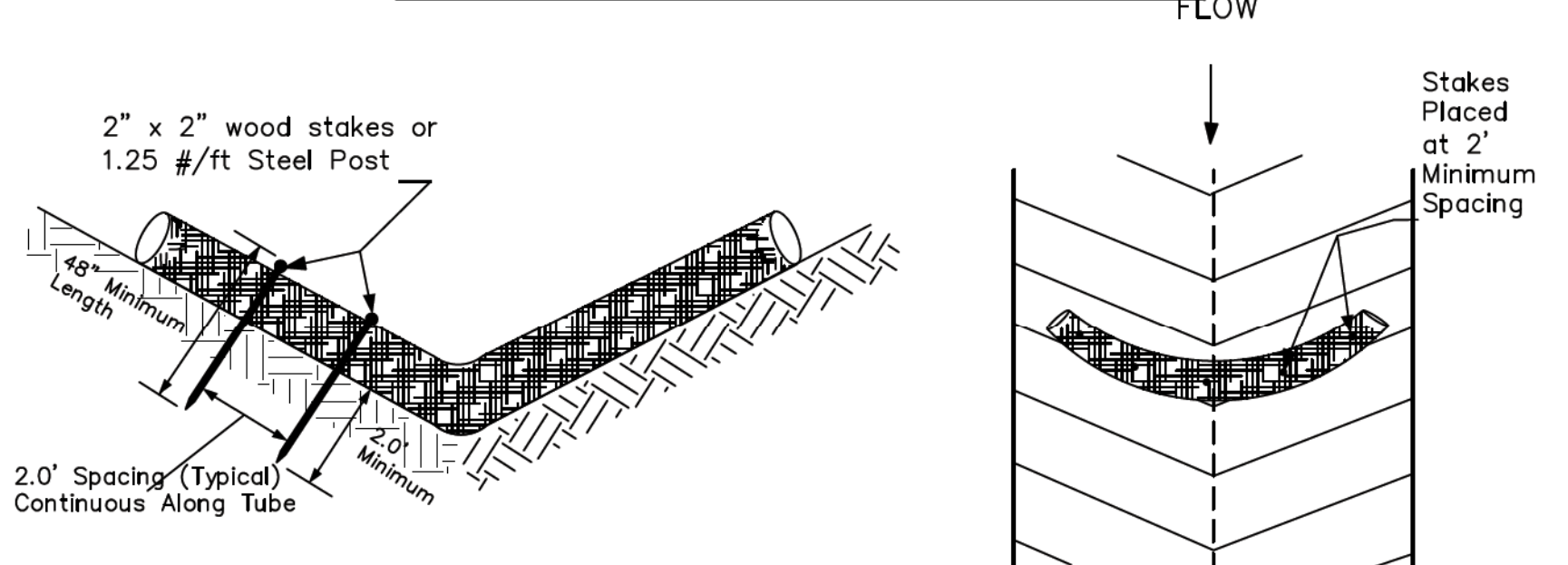
SILT FENCE - FABRIC REQUIREMENTS

- 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 toed 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.

SILT FENCE - INSPECTION & MAINTENANCE

- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of silt fence 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 silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
- 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 tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence, as necessary.
- Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence, as necessary.
- Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

SEDIMENT TUBE INSTALLATION



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

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, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needles, 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 "T" 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 continually 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 tubes 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 tubes.
- 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.

Fertilizer

Apply a minimum of 1000 pounds per acre of a complete 10-10-10 fertilizer (23 pounds per 1000 square feet) or equivalent during permanent seeding of grasses unless a soil test indicates a different requirement. Incorporate fertilizer and lime (if used) into the top 4-6 inches of the soil by disking or other means where conditions allow. Do not mix the lime and the fertilizer prior to the field application.

Seeding

Loosen the surface of the soil just before broadcasting the seed. Evenly apply seed by the most convenient method available for the type of seed applied and the location of the seeding. Typical application methods include but are not limited to cyclone seeders, rotary spreaders, drop spreaders, broadcast spreaders, hand spreaders, cultipacker seeder, and hydro-seeders. Cover applied seed by raking or dragging a chain or brush mat, and then lightly firm the area with a roller or cultipacker. Do not roll seed that is applied with a hydro-seeder and hydro-mulch.

Mulching

Cover all permanent seeded areas with mulch immediately upon completion of the seeding application to retain soil moisture and reduce erosion during establishment of vegetation. Apply the mulch evenly in such a manner that it provides a minimum of 75% coverage. Typical mulch applications include straw, wood fiber, hydromulches, BFM and FGM. Use hydromulches with a minimum blend of 70% wood fibers.

The most commonly accepted mulch used in conjunction with permanent seeding is small grain straw. Select straw that is dry and free from mold damage and noxious weeds. The straw may need to be anchored with netting or asphalt emulsions to prevent it from being blown or washed away. Apply straw mulch by hand or machine at the rate 2 tons per acre (90 pounds per 1000 square feet). Frequent inspections are necessary to check that conditions for growth are good.

Temporary Seeding

Species	Lbs./Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sandy, Droughty Sites													
Browstap Millet	40 lbs./ac.												
Rye, Grain	56 lbs./ac.												
Ryegrass	50 lbs./ac.												
Well drained, clayey/loamey Sites													
Browstap Millet	40 lbs./ac.												
Rye, Grain or Oats	56 lbs./ac.												
Ryegrass	50 lbs./ac.												

Permanent Seeding

Species	Lbs./Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sandy, Droughty Sites													
Browstap Millet	10 lbs./ac.												
Bahiagrass	40 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Bahiagrass	30 lbs./ac.												
Sericea Lespedeza	40 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Panicgrass	15 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Switchgrass	8 lbs./ac.												
(Alamo)	PLS												
Little Bluestem	4 lbs./ac.												
Sericea Lespedeza	20 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Weeping Lovegrass	8 lbs./ac.												
Well drained, clayey/loamey Sites													
Browstap Millet	10 lbs./ac.												
Bahiagrass	40 lbs./ac.												
Rye, Grain	10 lbs./ac.												
Bahiagrass	40 lbs./ac.												
Clover, Crimson (Annual)	5 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Bermuda, Common	10 lbs./ac.												
Sericea Lespedeza	40 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Bermuda, Common	12 lbs./ac.												
Kobe Lespedeza	10 lbs./ac.												
(Annual)													
Browstap Millet	10 lbs./ac.												
Bahiagrass	20 lbs./ac.												
Bermuda, Common	6 lbs./ac.												
Sericea Lespedeza	40 lbs./ac.												
Browstap Millet	10 lbs./ac.												
Switchgrass	8 lbs./ac.												
Little Bluestem	PLS												
Indiangrass	3 lbs./ac.												
PLS	3 lbs./ac.												
PLS	3 lbs./ac.												

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 No. 32702
 10/4/21
 MATTHEW THOMAS HINES
 SOUTH CAROLINA DENNIS CORPORATION
 No. 3103
 CERTIFICATE OF AUTHORIZATION
 NOTES AND DETAILS (SHEET 1 OF 5)
 KIDNEYWOOD WAY & SOLDIERWOOD LANE
 for
 GEORGETOWN COUNTY
 Project G0004.33
 Scale N.T.S.
 Sheet 5A
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEORGETOWN COUNTY SOUTH CAROLINA
 JULY 2020

FLAT SHEET SIGN MOUNTING DETAILS

SIGNS MOUNTED ON FREEWAY RAMPS AND CONVENTIONAL ROADS

ILLUSTRATION OF SIGN ASSEMBLY SPANNING SIDEWALK

D SIGN BRACING

SOIL REPLACEMENT UPON COMPLETION OF BREAKAWAY SYSTEM INSTALLATION

TEMPORARY SOIL REMOVAL FOR BREAKAWAY SYSTEM INSTALLATION

LAP SPLICE FOR U-SECTION POSTS

SIZE & LENGTH OF U-SECTION POSTS FOR SINGLE SIGNS

POST NO.	POST TYPE	POST HEIGHT	POST WEIGHT	POST LENGTH	POST WEIGHT	POST LENGTH	POST WEIGHT	POST LENGTH	POST WEIGHT	POST LENGTH	POST WEIGHT
1	1	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
2	2	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
3	3	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
4	4	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
5	5	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
6	6	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
7	7	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
8	8	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
9	9	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
10	10	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
11	11	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
12	12	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
13	13	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
14	14	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
15	15	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
16	16	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
17	17	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
18	18	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
19	19	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
20	20	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
21	21	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
22	22	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
23	23	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
24	24	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
25	25	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
26	26	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
27	27	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
28	28	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
29	29	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
30	30	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
31	31	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
32	32	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
33	33	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
34	34	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
35	35	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
36	36	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
37	37	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
38	38	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
39	39	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
40	40	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
41	41	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
42	42	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
43	43	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
44	44	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
45	45	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
46	46	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
47	47	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
48	48	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
49	49	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
50	50	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
51	51	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
52	52	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
53	53	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
54	54	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
55	55	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
56	56	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
57	57	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
58	58	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
59	59	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
60	60	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
61	61	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
62	62	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
63	63	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
64	64	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
65	65	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
66	66	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
67	67	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
68	68	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
69	69	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
70	70	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
71	71	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
72	72	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
73	73	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
74	74	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
75	75	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
76	76	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
77	77	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
78	78	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
79	79	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
80	80	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
81	81	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
82	82	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
83	83	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
84	84	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
85	85	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
86	86	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
87	87	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
88	88	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
89	89	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
90	90	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
91	91	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
92	92	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
93	93	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
94	94	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
95	95	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
96	96	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
97	97	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
98	98	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
99	99	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5
100	100	48"	1.5	10'	1.5	12'	1.5	14'	1.5	16'	1.5

REFERENCES

SIGNING AND MARKING ENGINEER

SCDOT

FLAT SHEET MOUNTING DETAILS

651-110-00

WORK ZONE TRAFFIC CONTROL ENGINEER

GENERAL NOTES

- ALL TRAFFIC CONTROL DEVICES, INCLUDING BREAKAWAY SYSTEMS FOR GROUND MOUNTED U-CHANNEL SIGN SUPPORTS, SHALL COMPLY WITH ALL NORTH CAROLINA REQUIREMENTS AND SHALL REQUIRE APPROVAL BY THE DEPARTMENT. ONLY THOSE TRAFFIC CONTROL DEVICES LISTED ON THE APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES ARE CONSIDERED ACCEPTABLE FOR USE. THIS LIST MAY BE ACCESSIBLE ON THE DEPARTMENT'S WEB SITE AT: www.ncdot.gov.
- ALL BREAKAWAY SYSTEMS FOR GROUND MOUNTED U-CHANNEL SIGN SUPPORTS SHALL COMPLY WITH THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, LATEST EDITION INCLUDING THE LATEST INTERIM REVISIONS, IN ACCORDANCE WITH THE REQUIREMENTS OF NORTH CAROLINA 350.
- ALL BREAKAWAY SYSTEM HARDWARE, INCLUDING BOLTS, NUTS, WASHERS AND SPACERS, ILLUSTRATED ON THIS TYPICAL TRAFFIC CONTROL STANDARD DRAWING ARE TYPICAL AND MAY VARY IN SIZE, NUMBER, CONFIGURATION AND OVERALL DESIGN IN ACCORDANCE WITH EACH MANUFACTURER'S SPECIFIC DESIGN.
- THESE ILLUSTRATIONS ARE INTENDED FOR INFORMATION ONLY. SIMILARITY BETWEEN THESE ILLUSTRATIONS AND ANY SPECIFIC DEVICE OR SYSTEM IS COINCIDENTAL AND IS NOT INTENDED AS EITHER A RECOMMENDATION OR AN ENDORSEMENT OF A SPECIFIC DEVICE OR DESIGN.

SOILS MUST BE 4" APART. THE GROUND SUPPORT (STUB) SHALL NOT EXTEND HIGHER THAN 4" ABOVE THE GROUND. ATTACH THE SIGN SUPPORT TO THE GROUND SUPPORT (STUB) WITH THE APPROPRIATE HARDWARE PROVIDED BY THE MANUFACTURER OF THE BREAKAWAY SYSTEM. OVERALL LENGTH OF THE BREAKAWAY SYSTEM IS APPROXIMATELY 8'.

DRIVE THE GROUND SUPPORT (STUB) APPROXIMATELY 30" TO 36" INTO THE GROUND AS SPECIFIED BY THE MANUFACTURER OF THE BREAKAWAY SYSTEM SO THAT NO MORE THAN 4" OF THE GROUND SUPPORT (STUB) REMAINS ABOVE THE GROUND. REMOVE ENOUGH SOIL FROM AROUND THE GROUND SUPPORT (STUB) TO PERMIT ACCESS TO THE HOLES FOR THE INSERTION AND TIGHTENING OF THE LOWER BOLT OF THE BREAKAWAY SYSTEM. UPON COMPLETING THE INSTALLATION OF THE BREAKAWAY SYSTEM, REPLACE THE SOIL AND TAMP.

REFERENCES

SIGNING AND MARKING ENGINEER

SCDOT

WORK ZONE TRAFFIC CONTROL ENGINEER

CONSTRUCTION DRAWING

GROUND MOUNTED ASSEMBLY U-CHANNEL POSTS - BREAKAWAY INSTALLATION

605-005-01

THIS DRAWING IS NOT TO SCALE

PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT

1 MULTILANE ROADS - BROKEN WHITE LANE LINES

2 TWO LANE ROADS - CENTER LINES

A. BROKEN YELLOW CENTERLINE (PASSING PERMITTED IN BOTH DIRECTIONS)

B. BROKEN YELLOW/SOLID YELLOW CENTERLINE (PASSING PERMITTED IN ONE DIRECTION)

C. SOLID DOUBLE YELLOW CENTER LINE (PASSING PROHIBITED IN BOTH DIRECTIONS)

IDENTIFICATION KEY FOR RAISED MARKERS:

- WHITE INDICATOR/CONTOUR
- YELLOW INDICATOR/CONTOUR
- ALL MARKERS ARE TO BE SURFACE MOUNTED

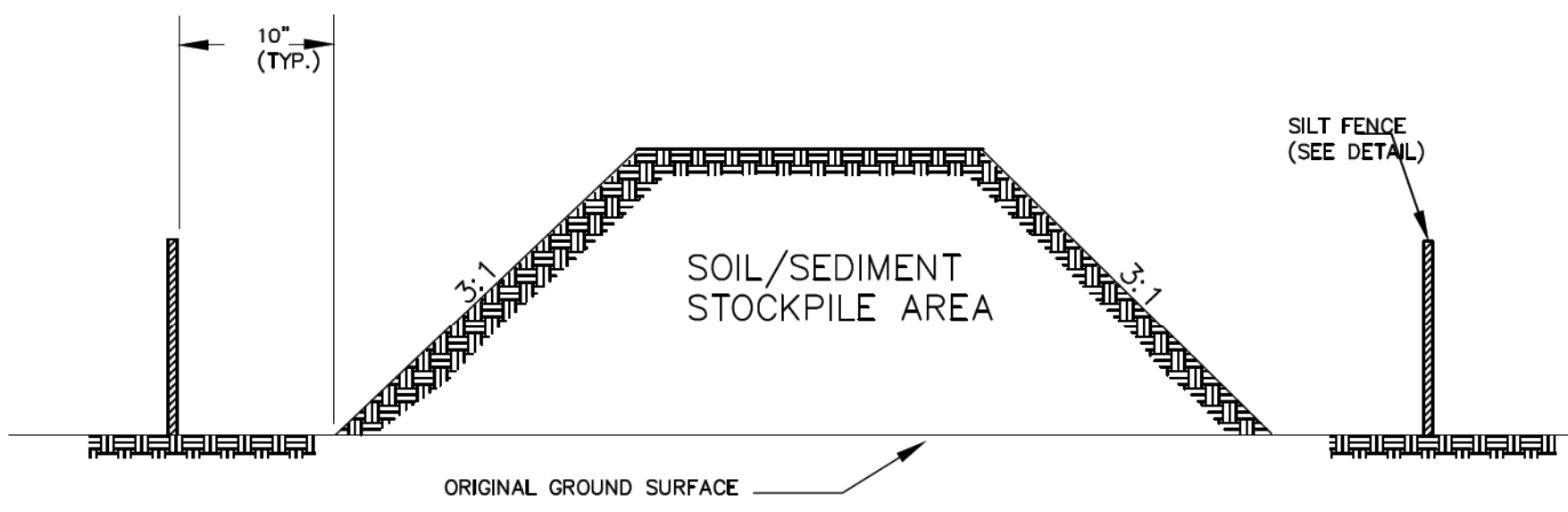
REFERENCES

SIGNING AND MARKING ENGINEER

SCDOT

PAVEMENT MARKING T

TEMPORARY STOCKPILE AREA



EROSION CONTROL BLANKETS
 Erosion control blankets (ECBs) are products composed primarily of biologically, photochemically, or otherwise degradable materials such as wheat straw, coconut fiber, or aged excelsior wood product with lengths of approximately 1- to 3-yards.
 When and where to use it
 ECBs are used for the temporary stabilization of soil immediately following seeding until the vegetation cover has grown and becomes established. ECBs provide temporary protection by degrading over time as the vegetation becomes established. Some products are effective for a few months while others degrade slowly and are effective for up to 3-years.
 ECB categories
 Class A (steep applications only)
 Class B (shallow applications only)
 Class C (normal applications only)
 Class D (erosion control only)
 Class E (erosion control only)
 Class F (erosion control only)
 Class G (erosion control only)
 Class H (erosion control only)
 Class I (erosion control only)
 Class J (erosion control only)
 Class K (erosion control only)
 Class L (erosion control only)
 Class M (erosion control only)
 Class N (erosion control only)
 Class O (erosion control only)
 Class P (erosion control only)
 Class Q (erosion control only)
 Class R (erosion control only)
 Class S (erosion control only)
 Class T (erosion control only)
 Class U (erosion control only)
 Class V (erosion control only)
 Class W (erosion control only)
 Class X (erosion control only)
 Class Y (erosion control only)
 Class Z (erosion control only)
 Class AA (erosion control only)
 Class AB (erosion control only)
 Class AC (erosion control only)
 Class AD (erosion control only)
 Class AE (erosion control only)
 Class AF (erosion control only)
 Class AG (erosion control only)
 Class AH (erosion control only)
 Class AI (erosion control only)
 Class AJ (erosion control only)
 Class AK (erosion control only)
 Class AL (erosion control only)
 Class AM (erosion control only)
 Class AN (erosion control only)
 Class AO (erosion control only)
 Class AP (erosion control only)
 Class AQ (erosion control only)
 Class AR (erosion control only)
 Class AS (erosion control only)
 Class AT (erosion control only)
 Class AU (erosion control only)
 Class AV (erosion control only)
 Class AW (erosion control only)
 Class AX (erosion control only)
 Class AY (erosion control only)
 Class AZ (erosion control only)
 Class BA (erosion control only)
 Class BB (erosion control only)
 Class BC (erosion control only)
 Class BD (erosion control only)
 Class BE (erosion control only)
 Class BF (erosion control only)
 Class BG (erosion control only)
 Class BH (erosion control only)
 Class BI (erosion control only)
 Class BJ (erosion control only)
 Class BK (erosion control only)
 Class BL (erosion control only)
 Class BM (erosion control only)
 Class BN (erosion control only)
 Class BO (erosion control only)
 Class BP (erosion control only)
 Class BQ (erosion control only)
 Class BR (erosion control only)
 Class BS (erosion control only)
 Class BT (erosion control only)
 Class BU (erosion control only)
 Class BV (erosion control only)
 Class BW (erosion control only)
 Class BX (erosion control only)
 Class BY (erosion control only)
 Class BZ (erosion control only)
 Class CA (erosion control only)
 Class CB (erosion control only)
 Class CC (erosion control only)
 Class CD (erosion control only)
 Class CE (erosion control only)
 Class CF (erosion control only)
 Class CG (erosion control only)
 Class CH (erosion control only)
 Class CI (erosion control only)
 Class CJ (erosion control only)
 Class CK (erosion control only)
 Class CL (erosion control only)
 Class CM (erosion control only)
 Class CN (erosion control only)
 Class CO (erosion control only)
 Class CP (erosion control only)
 Class CQ (erosion control only)
 Class CR (erosion control only)
 Class CS (erosion control only)
 Class CT (erosion control only)
 Class CU (erosion control only)
 Class CV (erosion control only)
 Class CW (erosion control only)
 Class CX (erosion control only)
 Class CY (erosion control only)
 Class CZ (erosion control only)
 Class DA (erosion control only)
 Class DB (erosion control only)
 Class DC (erosion control only)
 Class DD (erosion control only)
 Class DE (erosion control only)
 Class DF (erosion control only)
 Class DG (erosion control only)
 Class DH (erosion control only)
 Class DI (erosion control only)
 Class DJ (erosion control only)
 Class DK (erosion control only)
 Class DL (erosion control only)
 Class DM (erosion control only)
 Class DN (erosion control only)
 Class DO (erosion control only)
 Class DP (erosion control only)
 Class DQ (erosion control only)
 Class DR (erosion control only)
 Class DS (erosion control only)
 Class DT (erosion control only)
 Class DU (erosion control only)
 Class DV (erosion control only)
 Class DW (erosion control only)
 Class DX (erosion control only)
 Class DY (erosion control only)
 Class DZ (erosion control only)
 Class EA (erosion control only)
 Class EB (erosion control only)
 Class EC (erosion control only)
 Class ED (erosion control only)
 Class EE (erosion control only)
 Class EF (erosion control only)
 Class EG (erosion control only)
 Class EH (erosion control only)
 Class EI (erosion control only)
 Class EJ (erosion control only)
 Class EK (erosion control only)
 Class EL (erosion control only)
 Class EM (erosion control only)
 Class EN (erosion control only)
 Class EO (erosion control only)
 Class EP (erosion control only)
 Class EQ (erosion control only)
 Class ER (erosion control only)
 Class ES (erosion control only)
 Class ET (erosion control only)
 Class EU (erosion control only)
 Class EV (erosion control only)
 Class EW (erosion control only)
 Class EX (erosion control only)
 Class EY (erosion control only)
 Class EZ (erosion control only)
 Class FA (erosion control only)
 Class FB (erosion control only)
 Class FC (erosion control only)
 Class FD (erosion control only)
 Class FE (erosion control only)
 Class FF (erosion control only)
 Class FG (erosion control only)
 Class FH (erosion control only)
 Class FI (erosion control only)
 Class FJ (erosion control only)
 Class FK (erosion control only)
 Class FL (erosion control only)
 Class FM (erosion control only)
 Class FN (erosion control only)
 Class FO (erosion control only)
 Class FP (erosion control only)
 Class FQ (erosion control only)
 Class FR (erosion control only)
 Class FS (erosion control only)
 Class FT (erosion control only)
 Class FU (erosion control only)
 Class FV (erosion control only)
 Class FW (erosion control only)
 Class FX (erosion control only)
 Class FY (erosion control only)
 Class FZ (erosion control only)
 Class GA (erosion control only)
 Class GB (erosion control only)
 Class GC (erosion control only)
 Class GD (erosion control only)
 Class GE (erosion control only)
 Class GF (erosion control only)
 Class GG (erosion control only)
 Class GH (erosion control only)
 Class GI (erosion control only)
 Class GJ (erosion control only)
 Class GK (erosion control only)
 Class GL (erosion control only)
 Class GM (erosion control only)
 Class GN (erosion control only)
 Class GO (erosion control only)
 Class GP (erosion control only)
 Class GQ (erosion control only)
 Class GR (erosion control only)
 Class GS (erosion control only)
 Class GT (erosion control only)
 Class GU (erosion control only)
 Class GV (erosion control only)
 Class GW (erosion control only)
 Class GX (erosion control only)
 Class GY (erosion control only)
 Class GZ (erosion control only)
 Class HA (erosion control only)
 Class HB (erosion control only)
 Class HC (erosion control only)
 Class HD (erosion control only)
 Class HE (erosion control only)
 Class HF (erosion control only)
 Class HG (erosion control only)
 Class HH (erosion control only)
 Class HI (erosion control only)
 Class HJ (erosion control only)
 Class HK (erosion control only)
 Class HL (erosion control only)
 Class HM (erosion control only)
 Class HN (erosion control only)
 Class HO (erosion control only)
 Class HP (erosion control only)
 Class HQ (erosion control only)
 Class HR (erosion control only)
 Class HS (erosion control only)
 Class HT (erosion control only)
 Class HU (erosion control only)
 Class HV (erosion control only)
 Class HW (erosion control only)
 Class HX (erosion control only)
 Class HY (erosion control only)
 Class HZ (erosion control only)
 Class IA (erosion control only)
 Class IB (erosion control only)
 Class IC (erosion control only)
 Class ID (erosion control only)
 Class IE (erosion control only)
 Class IF (erosion control only)
 Class IG (erosion control only)
 Class IH (erosion control only)
 Class II (erosion control only)
 Class IJ (erosion control only)
 Class IK (erosion control only)
 Class IL (erosion control only)
 Class IM (erosion control only)
 Class IN (erosion control only)
 Class IO (erosion control only)
 Class IP (erosion control only)
 Class IQ (erosion control only)
 Class IR (erosion control only)
 Class IS (erosion control only)
 Class IT (erosion control only)
 Class IU (erosion control only)
 Class IV (erosion control only)
 Class IW (erosion control only)
 Class IX (erosion control only)
 Class IY (erosion control only)
 Class IZ (erosion control only)
 Class JA (erosion control only)
 Class JB (erosion control only)
 Class JC (erosion control only)
 Class JD (erosion control only)
 Class JE (erosion control only)
 Class JF (erosion control only)
 Class JG (erosion control only)
 Class JH (erosion control only)
 Class JI (erosion control only)
 Class JJ (erosion control only)
 Class JK (erosion control only)
 Class JL (erosion control only)
 Class JM (erosion control only)
 Class JN (erosion control only)
 Class JO (erosion control only)
 Class JP (erosion control only)
 Class JQ (erosion control only)
 Class JR (erosion control only)
 Class JS (erosion control only)
 Class JT (erosion control only)
 Class JU (erosion control only)
 Class JV (erosion control only)
 Class JW (erosion control only)
 Class JX (erosion control only)
 Class JY (erosion control only)
 Class JZ (erosion control only)
 Class KA (erosion control only)
 Class KB (erosion control only)
 Class KC (erosion control only)
 Class KD (erosion control only)
 Class KE (erosion control only)
 Class KF (erosion control only)
 Class KG (erosion control only)
 Class KH (erosion control only)
 Class KI (erosion control only)
 Class KJ (erosion control only)
 Class KK (erosion control only)
 Class KL (erosion control only)
 Class KM (erosion control only)
 Class KN (erosion control only)
 Class KO (erosion control only)
 Class KP (erosion control only)
 Class KQ (erosion control only)
 Class KR (erosion control only)
 Class KS (erosion control only)
 Class KT (erosion control only)
 Class KU (erosion control only)
 Class KV (erosion control only)
 Class KW (erosion control only)
 Class KX (erosion control only)
 Class KY (erosion control only)
 Class KZ (erosion control only)
 Class LA (erosion control only)
 Class LB (erosion control only)
 Class LC (erosion control only)
 Class LD (erosion control only)
 Class LE (erosion control only)
 Class LF (erosion control only)
 Class LG (erosion control only)
 Class LH (erosion control only)
 Class LI (erosion control only)
 Class LJ (erosion control only)
 Class LK (erosion control only)
 Class LL (erosion control only)
 Class LM (erosion control only)
 Class LN (erosion control only)
 Class LO (erosion control only)
 Class LP (erosion control only)
 Class LQ (erosion control only)
 Class LR (erosion control only)
 Class LS (erosion control only)
 Class LT (erosion control only)
 Class LU (erosion control only)
 Class LV (erosion control only)
 Class LW (erosion control only)
 Class LX (erosion control only)
 Class LY (erosion control only)
 Class LZ (erosion control only)
 Class MA (erosion control only)
 Class MB (erosion control only)
 Class MC (erosion control only)
 Class MD (erosion control only)
 Class ME (erosion control only)
 Class MF (erosion control only)
 Class MG (erosion control only)
 Class MH (erosion control only)
 Class MI (erosion control only)
 Class MJ (erosion control only)
 Class MK (erosion control only)
 Class ML (erosion control only)
 Class MM (erosion control only)
 Class MN (erosion control only)
 Class MO (erosion control only)
 Class MP (erosion control only)
 Class MQ (erosion control only)
 Class MR (erosion control only)
 Class MS (erosion control only)
 Class MT (erosion control only)
 Class MU (erosion control only)
 Class MV (erosion control only)
 Class MW (erosion control only)
 Class MX (erosion control only)
 Class MY (erosion control only)
 Class MZ (erosion control only)
 Class NA (erosion control only)
 Class NB (erosion control only)
 Class NC (erosion control only)
 Class ND (erosion control only)
 Class NE (erosion control only)
 Class NF (erosion control only)
 Class NG (erosion control only)
 Class NH (erosion control only)
 Class NI (erosion control only)
 Class NJ (erosion control only)
 Class NK (erosion control only)
 Class NL (erosion control only)
 Class NM (erosion control only)
 Class NO (erosion control only)
 Class NP (erosion control only)
 Class NQ (erosion control only)
 Class NR (erosion control only)
 Class NS (erosion control only)
 Class NT (erosion control only)
 Class NU (erosion control only)
 Class NV (erosion control only)
 Class NW (erosion control only)
 Class NX (erosion control only)
 Class NY (erosion control only)
 Class NZ (erosion control only)
 Class OA (erosion control only)
 Class OB (erosion control only)
 Class OC (erosion control only)
 Class OD (erosion control only)
 Class OE (erosion control only)
 Class OF (erosion control only)
 Class OG (erosion control only)
 Class OH (erosion control only)
 Class OI (erosion control only)
 Class OJ (erosion control only)
 Class OK (erosion control only)
 Class OL (erosion control only)
 Class OM (erosion control only)
 Class ON (erosion control only)
 Class OO (erosion control only)
 Class OP (erosion control only)
 Class OQ (erosion control only)
 Class OR (erosion control only)
 Class OS (erosion control only)
 Class OT (erosion control only)
 Class OU (erosion control only)
 Class OV (erosion control only)
 Class OW (erosion control only)
 Class OX (erosion control only)
 Class OY (erosion control only)
 Class OZ (erosion control only)
 Class PA (erosion control only)
 Class PB (erosion control only)
 Class PC (erosion control only)
 Class PD (erosion control only)
 Class PE (erosion control only)
 Class PF (erosion control only)
 Class PG (erosion control only)
 Class PH (erosion control only)
 Class PI (erosion control only)
 Class PJ (erosion control only)
 Class PK (erosion control only)
 Class PL (erosion control only)
 Class PM (erosion control only)
 Class PN (erosion control only)
 Class PO (erosion control only)
 Class PP (erosion control only)
 Class PQ (erosion control only)
 Class PR (erosion control only)
 Class PS (erosion control only)
 Class PT (erosion control only)
 Class PU (erosion control only)
 Class PV (erosion control only)
 Class PW (erosion control only)
 Class PX (erosion control only)
 Class PY (erosion control only)
 Class PZ (erosion control only)
 Class QA (erosion control only)
 Class QB (erosion control only)
 Class QC (erosion control only)
 Class QD (erosion control only)
 Class QE (erosion control only)
 Class QF (erosion control only)
 Class QG (erosion control only)
 Class QH (erosion control only)
 Class QI (erosion control only)
 Class QJ (erosion control only)
 Class QK (erosion control only)
 Class QL (erosion control only)
 Class QM (erosion control only)
 Class QN (erosion control only)
 Class QO (erosion control only)
 Class QP (erosion control only)
 Class QQ (erosion control only)
 Class QR (erosion control only)
 Class QS (erosion control only)
 Class QT (erosion control only)
 Class QU (erosion control only)
 Class QV (erosion control only)
 Class QW (erosion control only)
 Class QX (erosion control only)
 Class QY (erosion control only)
 Class QZ (erosion control only)
 Class RA (erosion control only)
 Class RB (erosion control only)
 Class RC (erosion control only)
 Class RD (erosion control only)
 Class RE (erosion control only)
 Class RF (erosion control only)
 Class RG (erosion control only)
 Class RH (erosion control only)
 Class RI (erosion control only)
 Class RJ (erosion control only)
 Class RK (erosion control only)
 Class RL (erosion control only)
 Class RM (erosion control only)
 Class RN (erosion control only)
 Class RO (erosion control only)
 Class RP (erosion control only)
 Class RQ (erosion control only)
 Class RR (erosion control only)
 Class RS (erosion control only)
 Class RT (erosion control only)
 Class RU (erosion control only)
 Class RV (erosion control only)
 Class RW (erosion control only)
 Class RX (erosion control only)
 Class RY (erosion control only)
 Class RZ (erosion control only)
 Class SA (erosion control only)
 Class SB (erosion control only)
 Class SC (erosion control only)
 Class SD (erosion control only)
 Class SE (erosion control only)
 Class SF (erosion control only)
 Class SG (erosion control only)
 Class SH (erosion control only)
 Class SI (erosion control only)
 Class SJ (erosion control only)
 Class SK (erosion control only)
 Class SL (erosion control only)
 Class SM (erosion control only)
 Class SN (erosion control only)
 Class SO (erosion control only)
 Class SP (erosion control only)
 Class SQ (erosion control only)
 Class SR (erosion control only)
 Class SS (erosion control only)
 Class ST (erosion control only)
 Class SU (erosion control only)
 Class SV (erosion control only)
 Class SW (erosion control only)
 Class SX (erosion control only)
 Class SY (erosion control only)
 Class SZ (erosion control only)
 Class TA (erosion control only)
 Class TB (erosion control only)
 Class TC (erosion control only)
 Class TD (erosion control only)
 Class TE (erosion control only)
 Class TF (erosion control only)
 Class TG (erosion control only)
 Class TH (erosion control only)
 Class TI (erosion control only)
 Class TJ (erosion control only)
 Class TK (erosion control only)
 Class TL (erosion control only)
 Class TM (erosion control only)
 Class TN (erosion control only)
 Class TO (erosion control only)
 Class TP (erosion control only)
 Class TQ (erosion control only)
 Class TR (erosion control only)
 Class TS (erosion control only)
 Class TT (erosion control only)
 Class TU (erosion control only)
 Class TV (erosion control only)
 Class TW (erosion control only)
 Class TX (erosion control only)
 Class TY (erosion control only)
 Class TZ (erosion control only)
 Class UA (erosion control only)
 Class UB (erosion control only)
 Class UC (erosion control only)
 Class UD (erosion control only)
 Class UE (erosion control only)
 Class UF (erosion control only)
 Class UG (erosion control only)
 Class UH (erosion control only)
 Class UI (erosion control only)
 Class UJ (erosion control only)
 Class UK (erosion control only)
 Class UL (erosion control only)
 Class UM (erosion control only)
 Class UN (erosion control only)
 Class UO (erosion control only)
 Class UP (erosion control only)
 Class UQ (erosion control only)
 Class UR (erosion control only)
 Class US (erosion control only)
 Class UT (erosion control only)
 Class UU (erosion control only)
 Class UV (erosion control only)
 Class UW (erosion control only)
 Class UX (erosion control only)
 Class UY (erosion control only)
 Class UZ (erosion control only)
 Class VA (erosion control only)
 Class VB (erosion control only)
 Class VC (erosion control only)
 Class VD (erosion control only)
 Class VE (erosion control only)
 Class VF (erosion control only)
 Class VG (erosion control only)
 Class VH (erosion control only)
 Class VI (erosion control only)
 Class VJ (erosion control only)
 Class VK (erosion control only)
 Class VL (erosion control only)
 Class VM (erosion control only)
 Class VN (erosion control only)
 Class VO (erosion control only)
 Class VP (erosion control only)
 Class VQ (erosion control only)
 Class VR (erosion control only)
 Class VS (erosion control only)
 Class VT (erosion control only)
 Class VU (erosion control only)
 Class VV (erosion control only)
 Class VW (erosion control only)
 Class VX (erosion control only)
 Class VY (erosion control only)
 Class VZ (erosion control only)
 Class WA (erosion control only)
 Class WB (erosion control only)
 Class WC (erosion control only)
 Class WD (erosion control only)
 Class WE (erosion control only)
 Class WF (erosion control only)
 Class WG (erosion control only)
 Class WH (erosion control only)
 Class WI (erosion control only)
 Class WJ (erosion control only)
 Class WK (erosion control only)
 Class WL (erosion control only)
 Class WM (erosion control only)
 Class WN (erosion control only)
 Class WO (erosion control only)
 Class WP (erosion control only)
 Class WQ (erosion control only)
 Class WR (erosion control only)
 Class WS (erosion control only)
 Class WT (erosion control only)
 Class WU (erosion control only)
 Class WV (erosion control only)
 Class WW (erosion control only)
 Class WX (erosion control only)
 Class WY (erosion control only)
 Class WZ (erosion control only)
 Class XA (erosion control only)
 Class XB (erosion control only)
 Class XC (erosion control only)
 Class XD (erosion control only)
 Class XE (erosion control only)
 Class XF (erosion control only)
 Class XG (erosion control only)
 Class XH (erosion control only)
 Class XI (erosion control only)
 Class XJ (erosion control only)
 Class XK (erosion control only)
 Class XL (erosion control only)
 Class XM (erosion control only)
 Class XN (erosion control only)
 Class XO (erosion control only)
 Class XP (erosion control only)
 Class XQ (erosion control only)
 Class XR (erosion control only)
 Class XS (erosion control only)
 Class XT (erosion control only)
 Class XU (erosion control only)
 Class XV (erosion control only)
 Class XW (erosion control only)
 Class XX (erosion control only)
 Class XY (erosion control only)
 Class XZ (erosion control only)
 Class YA (erosion control only)
 Class YB (erosion control only)
 Class YC (erosion control only)
 Class YD (erosion control only)
 Class YE (erosion control only)
 Class YF (erosion control only)
 Class YG (erosion control only)
 Class YH (erosion control only)
 Class YI (erosion control only)
 Class YJ (erosion control only)
 Class YK (erosion control only)
 Class YL (erosion control only)
 Class YM (erosion control only)
 Class YN (erosion control only)
 Class YO (erosion control only)
 Class YP (erosion control only)
 Class YQ (erosion control only)
 Class YR (erosion control only)
 Class YS (erosion control only)
 Class YT (erosion control only)
 Class YU (erosion control only)
 Class YV (erosion control only)
 Class YW (erosion control only)
 Class YX (erosion control only)
 Class YY (erosion control only)
 Class YZ (erosion control only)
 Class ZA (erosion control only)
 Class ZB (erosion control only)
 Class ZC (erosion control only)
 Class ZD (erosion control only)
 Class ZE (erosion control only)
 Class ZF (erosion control only)
 Class ZG (erosion control only)
 Class ZH (erosion control only)
 Class ZI (erosion control only)
 Class ZJ (erosion control only)
 Class ZK (erosion control only)
 Class ZL (erosion control only)
 Class ZM (erosion control only)
 Class ZN (erosion control only)
 Class ZO (erosion control only)
 Class ZP (erosion control only)
 Class ZQ (erosion control only)
 Class ZR (erosion control only)
 Class ZS (erosion control only)
 Class ZT (erosion control only)
 Class ZU (erosion control only)
 Class ZV (erosion control only)
 Class ZW (erosion control only)
 Class ZX (erosion control only)
 Class ZY (erosion control only)
 Class ZZ (erosion control only)

NOTES:

- SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOPE THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
- IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
- SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
- THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

CONSTRUCTION NOTES:

- Contractor to sawcut existing asphalt for smooth joint not aligned with wheel path.
- Upon substantial project completion, Contractor to clear existing culverts/pipes, catch basins, and ditches along frontage and downstream as necessary to achieve positive drainage

CONSTRUCTION SEQUENCE:

- RECEIVE NPDES COVERAGE FROM SC-DHEC.
- PRE-CONSTRUCTION MEETING (ON-SITE IF MORE THAN 10 DISTURBED ACRES AND NON-LINEAR).
- NOTIFY SC-DHEC EOC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
- INSTALLATION OF CONSTRUCTION ENTRANCE(S), (IF NECESSARY)
- CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
- CLEARING AND GRUBBING OF SITE OR DEMOLITION.
- ROUGH GRADING.
- INSTALLATION OF STORM DRAINAGE SYSTEM AND PLACEMENT OF OUTLET PROTECTION AS EACH SYSTEM IS INSTALLED. (E.G. SEDIMENT TUBES)
- FINE GRADING, PAVING, ETC.
- PERMANENT/FINAL STABILIZATION.
- REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED.
- SUBMIT NOTICE OF TERMINATION (NOT) TO SC-DHEC AS APPROPRIATE.

SCDOT STANDARD NOTES:

- THERE CAN BE NO WORK PERFORMED IN THE SCDOT R/W BEFORE AN ENCROACHMENT PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION MEETING HAS BEEN HELD. THE PROPERTY OWNER AND CONTRACTOR MUST SCHEDULE AND ATTEND THE PRECONSTRUCTION MEETING.
- ANY WORK PERFORMED BEFORE THE PRECONSTRUCTION MEETING WILL HAVE TAKEN PLACE WITHOUT SCDOT KNOWLEDGE, OVERSIGHT, AND CONSENT AND SHALL BE SUBJECT TO REMOVAL BY THE APPLICANT AND/OR AT THE APPLICANT'S EXPENSE.
- ANY REVISIONS TO THIS APPROVED PLAN SET MUST HAVE PRIOR, WRITTEN APPROVAL FROM SCDOT OR ARE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE.
- THE CONSTRUCTION ENTRANCE MUST BE ESTABLISHED AT THE LOCATION DESIGNATED IN THIS PLAN SET AND ACCORDING TO SCDOT TYPICAL 815-505-00. NO ADDITIONAL ENTRANCES OR LOCATIONS OTHER THAN SHOWN IN THIS PLAN SET ARE ALLOWED WITHOUT WRITTEN NOTICE FROM SCDOT. APPROVED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PROPERLY AND SHALL BE MAINTAINED AT ALL TIMES. KEEP ROADWAY PROTECTED AND SWEEP OFF AT ALL TIMES. ANY ADDITIONAL EXISTING DRIVEWAYS OR CONSTRUCTION ENTRANCES, IF ANY, SHALL BE REMOVED FROM SCDOT RIGHT OF WAY AT NO EXPENSE TO SCDOT.
- NO DEWATERING ACTIVITIES SHALL BE PERFORMED WITHIN SCDOT R/W OR BRING FORTH WATER TO THE SCDOT RIGHT OF WAY BY DIRECT OR INDIRECT METHODS.
- POST DEVELOPMENT STORMWATER FLOWS TO THE SCDOT R/W CANNOT EXCEED PREDEVELOPMENT FLOW RATES AT ANY TIME FOR ANY REASON.
- THE APPLICANT IS SOLELY RESPONSIBLE FOR REPAIRS OF ANY AND ALL DAMAGE TO THE TRAVEL WAY DUE TO ANY WORK ALONG THE FRONTAGE OF THIS SITE, AT NO EXPENSE TO SCDOT AND ALL REPAIRS MUST MEET CURRENT SCDOT STANDARDS.
- ANY DAMAGE TO THE TRAVEL LANE WILL REQUIRE A FULL DEPTH ASPHALT PATCH AND TOTAL ROADWAY (ALL ADJACENT TRAVEL LANES) ASPHALT OVERLAY. PATCHES LARGER THAN A FEW SQUARE FEET OR EXTENDING PAST 1 FOOT INTO THE TRAVEL LANE SHALL REQUIRE AN OVERLAY OF THE ENTIRE WIDTH OF THE EXISTING TRAVEL WAY FOR 50 FEET BEYOND EACH SIDE OF THE FULL DEPTH PATCH. ALL OF THIS WORK WILL BE SOLELY AT THE EXPENSE OF THE APPLICANT AND MUST MEET CURRENT SCDOT STANDARDS.
- BEFORE INSTALLATION OF ANY NEW DRIVEWAY, THE EXISTING TRAVEL EDGE MUST BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM EDGE ALONG THE MOUTH OF THE PROPOSED DRIVEWAY. CARE MUST BE TAKEN TO NOT DAMAGE THE EDGE ONCE CUT. ANY DAMAGE TO THE TRAVEL LANE MUST BE REPAIRED AT THE APPLICANT'S EXPENSE.

- PAVEMENT SECTION IN THE SCDOT R/W SHALL BE, AT A MINIMUM:
 - 6 INCHES OF COMPACTED GABC
 - 4 INCHES OF COMPACTED TYPE B BINDER COURSE HOT MIX ASPHALT
 - 2 INCHES OF COMPACTED TYPE B SURFACE COURSE HOT MIX ASPHALT
 SEE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR SURFACE COURSE HOT MIX ASPHALT INSTALLATION TIME AND TEMPERATURE RESTRICTIONS AND THERMO PLASTIC TIME AND TEMPERATURE RESTRICTIONS.
- OR
- 8 INCHES OF COMPACTED GABC
- 4 INCHES OF 4,000 PSI CONCRETE
 - NO REINFORCEMENT WIRE, REBAR, OR METAL OF ANY KIND IS PERMITTED
- DRIVEWAY LANES SHALL BE A MINIMUM OF 12 FEET IN WIDTH MEASURED FROM EDGE TO EDGE OF ASPHALT.
- DRIVEWAY RADII SHALL BE 30 FEET. (UNLESS NOTED OTHERWISE ON THE SCDOT APPROVED PLANS.)
- PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH REFLECTIVE BEADS PER SECTION 627 OF THE SCDOT STANDARD SPECIFICATIONS:
 - ALL WHITE MARKINGS SHALL BE 125 MIL MINIMUM THICKNESS
 - ALL YELLOW MARKINGS SHALL BE 90 MIL MINIMUM THICKNESS
- ALL PERMANENT SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS PER SCDOT STANDARD DRAWING 651-110-00 AND SHALL HAVE A 7 VERTICAL FOOT CLEARANCE FROM THE GROUND TO THE BOTTOM OF THE SIGN.
- DRIVEWAYS SHALL BE CONSTRUCTED TO HAVE A MINIMUM OF A 2 FOOT GRASSSED SHOULDER ON EACH SIDE OF THE DRIVEWAY THROAT.
- DITCH SLOPES SHALL BE NO STEEPER THAN 3H:1V.
- ALL DRIVEWAY CULVERTS SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT TYPICAL 714-205-01 DETAIL 4 AND 5 WITH AN ASHTO M 315 RUBBER GASKET SEAL, ON PROPER GRADE TO ALLOW FOR POSITIVE STORM WATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.
- ALL CULVERTS INSIDE OF THE SCDOT R/W ARE TO BE INSTALLED WITH BEVELED ENDS PER SCDOT STANDARD DRAWING 719-610-00 AND SEALED PER SCDOT STANDARD DRAWING 714-205-01 AND

STANDARD NOTES:

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION.
- TEMPORARY SLOPE DRAINS DURING CONSTRUCTION TO GRADE.
- 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 AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS. FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES 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.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- 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

REFERENCES
 MANUAL DOCUMENTS
 USDA NRCS ENGINEERING FIELD MANUAL

**PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL
 MINIMUM TAILWATER CONDITION:**

**PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL
 MAXIMUM TAILWATER CONDITION:**

PIPE INSIDE DIAMETER (D)	MAX PIPE SLOPE	OUTLET PROTECTION DIMENSIONS			MIN RIPRAP CLASS	RIPRAP DEPTH (d)
		3D ₀ (FT)	L ₀ (FT)	W (FT)		
1.5	≤1%	6	10	12	A	1.5
1.5	2%	8	14	16	A	1.5
1.5	5%	8	19	21	B	2.7
2.0	≤1%	8	14	17	A	1.5
2.0	2%	8	19	22	B	2.7
2.0	5%	8	28	29	B	2.7
2.5	≤1%	10	18	21	A	1.5
2.5	2%	10	28	28	B	2.7
2.5	5%	10	34	37	C	3.6
3.0	≤1%	12	24	28	B	2.7
3.0	2%	12	32	36	B	2.7
3.0	5%	12	42	48	C	3.6
3.6	≤1%	14	28	33	B	2.7
3.6	2%	14	37	42	C	3.6
3.6	5%	14	48	53	C	3.6
4.0	≤1%	16	33	38	B	2.7
4.0	2%	16	43	48	C	3.6

NOTES:

- THESE TABLES ARE ONLY APPLICABLE FOR THE PIPE SIZES AND MAXIMUM PIPE SLOPES LISTED.
- LARGER PIPES OR GREATER SLOPES REQUIRE ALTERNATIVE OUTLET PROTECTION DESIGN.
- WHEN PLANS SPECIFY LARGER OR DIFFERENT OUTLET PROTECTION THAN SHOWN IN TABLES, INSTALL OUTLET PROTECTION PER THE PLANS.
- SEE DRAWING # 804-305-02 FOR MORE INFORMATION ON OUTLET PROTECTION DIMENSIONS.

SCDOT
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS OFFICE
 935 PARK STREET
 ROOM 405
 COLUMBIA, SC 29201

STANDARD DRAWING
 OUTLET PROTECTION WITH NO DEFINED CHANNEL

804-305-03
 EFFECTIVE LISTS DATE: JULY 2017

THIS DRAWING IS NOT TO SCALE

REFERENCES
 NATIONAL DOCUMENTS
 SDOT DOCUMENTS
 SECTION 707 R 508 STD SPEC 10 PRECONSTRUCTION ADVISORY MEMORANDUM B

RELATED DRAWINGS & NETWORKS
 STATE OF SC CODE OF REG CHAPTER 48, ARTICLE 1 STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WITH SCDOT FOR LATEST UPDATE.

NOTES:

- THE CONTRACTOR SHALL PREPARE A RIGHT-OF-WAY PLAT SIGNED AND SEALED BY THE SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR IN CHARGE. THE PLAT SHALL DOCUMENT THE LOCATIONS OF ALL RIGHT-OF-WAY MARKERS THAT HAVE BEEN SET AND REFLECTING THE AS-BUILT STATIONS AND OFFSET FROM THE PLAT CENTERLINE. EACH PLAT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 48-40-20 GENERAL PROPERTY SURVEYS AS OUTLINED IN THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA.
- PLACE RIGHT-OF-WAY MARKERS ACCURATELY:
 - AT ALL GROUND ACCESSIBLE POINTS ALONG THE RIGHT-OF-WAY LINE
 - AT EACH STATION INTERVAL TO IDENTIFY THE STATIONING OF A PRODUCT
 - AT ALL BREAK POINTS IN RIGHT-OF-WAY LINES
 - AT THE BEGINNING AND END OF ALL CURVES
 - AT INTERVALS NO FURTHER THAN THE SPACING SHOWN IN DETAIL 1
 - AT ALL POINTS WHICH MATCH FORWARD AND BACK LINE OF SIGHT
 - PLUMB AND EMBOSSED FROM 30" TO 36" FOR CONCRETE POST MARKERS
- INSTALL CONCRETE POST MARKERS ON INTERSTATE AND CONTROLLED ACCESS ROUTES. INSTALL REBAR AND CAP MARKERS ON ALL OTHER ROUTES.
- WHERE PRACTICAL, INSTALL RIGHT-OF-WAY MARKERS AWAY FROM POINTS WHICH ARE COMMON TO SIDE PROPERTY LINES AND/OR CORNERS.
- CONCRETE POST FABRICATION:
 - FABRICATE CONCRETE POST MARKERS ON-SITE USING CLASS 4000 CONCRETE WITH ONE #6 REBAR OR OBTAIN FROM A SOURCE LISTED ON QUALIFIED PRODUCT LIST 18.
 - PLACE 1" CHAMFER ON ALL ABOVE GROUND EDGES.
 - LETTERING MUST BE AT LEAST 1/2" DEEP, 3/8" TALL, WITH 1/2" THICK LINES.
- REBAR CAP FABRICATION & INSTALLATION:
 - USE REBAR AND CAP FROM BRITTON INTERNATIONAL INC. MODEL RBK3210, 3/4" 6000 SERIES ORBITAL FORGED ALUMINUM DOME CAP OR AN APPROVED EQUAL.
 - FOLLOW REBAR AND CAP MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - SET MARKER ON A MINIMUM 2" LONG STICK OF #6 REBAR SO THAT TOP OF MARKER IS 1" TO 2" BELOW GROUND SURFACE TO ELIMINATE CONTACT WITH MOWING AND OTHER MAINTENANCE OPERATIONS, OR FLUSH WITH CONCRETE SURFACE IF EMBOSSED IN CONCRETE.
- PAY ITEMS:
 - 501000 RIGHT-OF-WAY PLAT
 - 501000 RIGHT-OF-WAY MARKER (REINFORCED CONCRETE)
 - 501000 RIGHT-OF-WAY MARKER (REBAR CAP)

TABLE RBK-3210A
 3/4" DIAMETER CAP SPECIFICATIONS

ROW	TEXT	# SPSL AROUND PERIMETER	HEIGHT	LOCATION	MIN
1	RIGHT OF WAY	48	3/8"	OUTSIDE TOP	
2	RIGHT OF WAY	36	3/8"	MIDDLE TOP	
3	YEAR MARK	36	3/8"	INSIDE TOP	LEFT/RIGHT YEAR
4	SCALE MARK	36	3/8"	INSIDE BOTTOM	REGISTRATION # OF SPSL
5	REBAR CAP	36	3/8"	MIDDLE BOTTOM	PROJECT ID# - SEQUENCE # OF MARKER
6	DO NOT DISTURB	48	3/8"	OUTSIDE BOTTOM	

SCDOT
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS OFFICE
 935 PARK STREET
 ROOM 405
 COLUMBIA, SC 29201

STANDARD DRAWING
 RIGHT-OF-WAY PLAT CONCRETE POST & REBAR CAP MARKER

809-105-00
 EFFECTIVE LISTS DATE: JUNE 2016

THIS DRAWING IS NOT TO SCALE

REFERENCES
 NATIONAL DOCUMENTS
 SDOT DOCUMENTS
 SECTION 707 R 508 STD SPEC 10 PRECONSTRUCTION ADVISORY MEMORANDUM B

RELATED DRAWINGS & NETWORKS
 STATE OF SC CODE OF REG CHAPTER 48, ARTICLE 1 STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WITH SCDOT FOR LATEST UPDATE.

NOTES:

- BEVELED END SECTIONS WILL BE MANUFACTURED IN ACCORDANCE WITH SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION 20-1174. THESE SPECIAL SECTION SECTIONS WILL BE MADE DURING THE MANUFACTURING OF OTHER STATE APPROVED REINFORCED CONCRETE PIPE.
- THE PIPE BEVELS MAY BE PLACED IN THE FIELD IN LIEU OF BEING MANUFACTURED. IN FIELD SANDING, THE PIPE MANUFACTURER ALTERNATE PIPE FOR SLOPES MUST HAVE EACH END BEVELED TO MATCH THE ADJACENT SLOPES.
- PLACE RIPRAP AS DIRECTED BY THE ROE.
- PAYMENT FOR BEVELED END SECTIONS WILL BE AS DIRECTED IN SC-4M-114.
- THE PAY ITEM SHALL BE:
 - 719100 BEVELING OF PIPE ENDS
 - 8048XX RIPRAP CLASS B
 - 8048XX GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP CLASS 2 TYPE

CHART 719-610B
 RIPRAP PLACEMENT

CLASS	D ₅₀ (FT)	W ₅₀ (FT)
A	0.75	1.50
B	1.50	3.00
C	3.00	6.00

TABLE 719-610A
 EMBANKMENT SLOPE

D (IN)	A (IN)	B (BEVELED LENGTH) (IN)			
		6	5	4	3
15	6	54	45	36	27
18	6	54	45	36	27
24	10	NA	70	56	42
30	12	NA	NA	72	54
36	15	NA	NA	NA	63
42	20	NA	NA	NA	66
48	24	NA	NA	NA	72
54	24	NA	NA	NA	60
60	24	NA	NA	NA	72

SCDOT
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS OFFICE
 935 PARK STREET
 ROOM 405
 COLUMBIA, SC 29201

STANDARD DRAWING
 END TREATMENT (RCP BEVELED END)

719-610-00
 EFFECTIVE LISTS DATE: JULY 2017

THIS DRAWING IS NOT TO SCALE

REFERENCES
 MANUAL DOCUMENTS
 USDA NRCS ENGINEERING FIELD MANUAL

PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL

NOTES:

- L₀ = THE LENGTH OF THE RIPRAP APRON.
- W = WIDTH OF OUTLET PROTECTION AT END OF RIPRAP APRON.
- D₀ = OUTER DIAMETER OF OUTLET PIPE.
- 3D₀ = WIDTH OF OUTLET PROTECTION AT TOE OF SLOPE AT PIPE OUTLET.
- SEE DRAWING # 804-305-03 OR PLANS FOR DIMENSIONS L₀, W, AND 3D₀.
- d = DEPTH OF RIPRAP = 2.0 TIMES THE MAXIMUM RIPRAP DIAMETER.
- SEE DRAWING # 804-305-01 FOR RIPRAP SLOPE STABILIZATION AROUND PIPE.

SCDOT
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS OFFICE
 935 PARK STREET
 ROOM 405
 COLUMBIA, SC 29201

STANDARD DRAWING
 OUTLET PROTECTION WITH NO DEFINED CHANNEL

804-305-02
 EFFECTIVE LISTS DATE: JULY 2017

THIS DRAWING IS NOT TO SCALE

NOTES AND DETAILS (SHEET 4 OF 5)

KIDNEYWOOD WAY & SOLDIERWOOD LANE

for GEORGETOWN COUNTY

Project G0004.33
 Scale N.T.S.
 Sheet 5D

Engineer: M. Hines
 Drawn By: D. Hinnick
 Checked By: M. Hines

South Carolina Professional Engineer
 No. 32702
 10/4/21
 Matthew Thomas Hines

South Carolina Corporation
 No. 3103
 Certificate of Authorization

July 2020

DRAWING 610-005-10 NOTES

1. SEE STANDARD DRAWING NO. 610-005-00 FOR ALL GENERAL NOTES AND REQUIREMENTS.

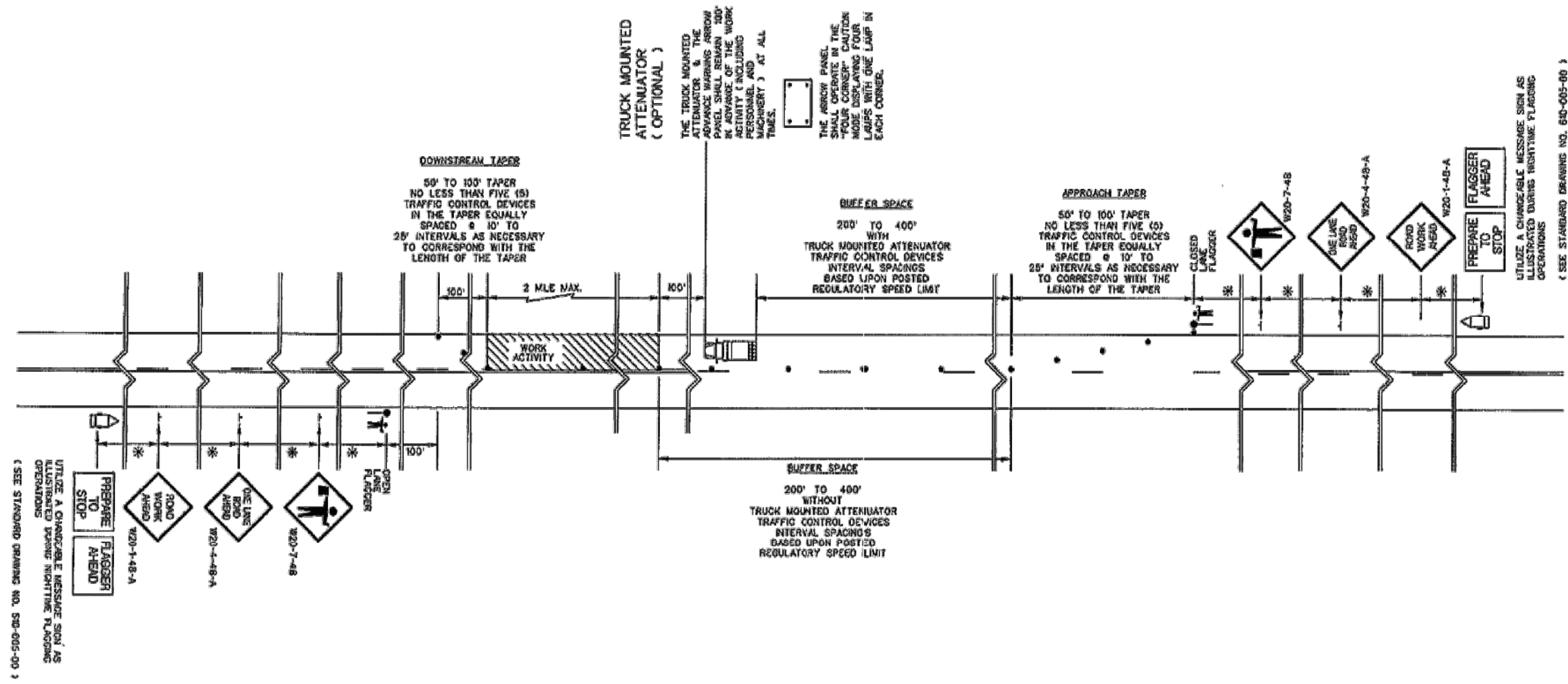


TABLE A
SIGN PLACEMENT INTERVALS

SPEED LIMIT	INTERVAL
≤ 35 MPH LOW SPEED	300
40 - 50 MPH INTERMEDIATE SPEED	350
55 MPH HIGH SPEED	500

* REGULATORY POSTED SPEED LIMIT PRIOR TO BECOMING WORK

TABLE B
TRAFFIC CONTROL DEVICE SPACING INTERVALS
WORK ACTIVITY / BUFFER SPACE AREAS

SPEED LIMIT	SPACING INTERVALS
≤ 35 MPH	25 FEET
40 - 55 MPH	50 FEET

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER



SIGNATURE
7/27/15
DATE

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
935 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
FLAGGING OPERATIONS
TWO-LANE TWO-WAY
ROADWAYS
WITHOUT
INTERSECTIONS

610-005-10
EFFECTIVE LETTERING DATE: JAN 2018

DRAWING 610-005-30 NOTES

- SEE STANDARD DRAWING NO. 610-005-00 FOR ALL GENERAL NOTES AND REQUIREMENTS. THE FOLLOWING NOTES ARE SPECIFIC REQUIREMENTS FOR THIS STANDARD DRAWING.
- WHEN THE WORK ZONE PROCEEDS THROUGH OR NEAR ENDS UPON THE "LIMITS OF THE INTERSECTION," DO NOT RELOCATE THE "APPROACH TAPER" OR THE "DOWNSTREAM TAPER" OF THE LANE CLOSURE TO ENDS UPON THE "LIMITS OF THE INTERSECTION." ONLY THE "BUFFER SPACE" OR THE "WORK ACTIVITY AREA" OF THE LANE CLOSURE MAY ENDS UPON THE "LIMITS OF THE INTERSECTION."
- WHEN THE WORK ZONE PROCEEDS THROUGH OR NEAR ENDS UPON THE "LIMITS OF THE INTERSECTION" WITH "STOP SIGN CONTROLLED" "SIDE ROADS," UTILIZE FLAGGERS TO CONTROL THE TRAFFIC FROM THE INTERSECTION "SIDE ROADS" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MAINTAIN THESE FLAGGERS IN PLACE FOR THE DURATION THAT ANY PORTION OF THE "BUFFER SPACE" OR THE "WORK ACTIVITY AREA" MAY ENDS UPON THE "LIMITS OF THE INTERSECTION."
- WHEN THE WORK ZONE PROCEEDS THROUGH AN INTERSECTION VIA A "STOP SIGN CONTROLLED" "APPROACH LINE," THE CONTRACTOR SHOULD CONTINUE THE WORK OPERATIONS THROUGH THE INTERSECTION TO A LOCATION POINT WITHIN THE "OPERATIONAL LIMITS" BEYOND THE "LIMITS OF THE INTERSECTION" THAT WILL PERMIT THE WORK TEAM TO CLEAR THE INTERSECTION AND THE LOCATION OF THE SUBSEQUENT "FLAGGER STATION" BE NO LESS THAN 200' PAST THE "LIMITS OF THE INTERSECTION," UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WHEN THE WORK ZONE PROCEEDS THROUGH A "STOP SIGN CONTROLLED" INTERSECTION CONTINUE THE WORK OPERATIONS THROUGH THE INTERSECTION TO A SPECIFIC LOCATION POINT WITHIN THE "OPERATIONAL LIMITS," NO LESS THAN 300 FT TO 500 FT BEYOND THE LIMITS OF THE INTERSECTION TO ALLOW THE WORK TEAM AND ALL PORTIONS OF THE LANE CLOSURE TO CLEAR THE INTERSECTION.
- MAINTAIN THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES FOR STOPPED TRAFFIC ON THE ROADWAY WHERE THE WORK ACTIVITY IS LOCATED AND BEING CONDUCTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WHEN ANY PORTION OF THE "WORK ACTIVITY AREA" ENDS UPON THE "LIMITS OF THE INTERSECTION," VARIOUS TYPES OF WORK MAY REQUIRE TRAFFIC TO STOP FROM THE "SIDE ROADS" BE STOPPED FOR THE DURATION GREATER THAN THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES. ONLY WHEN APPROVED BY THE ENGINEER MAY THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES FOR STOPPED TRAFFIC ON THE SIDE ROAD TRAFFIC BE EXCEEDED. THE PRESENCE OF "STOP SIGN CONTROLLED" "SIDE ROADS" ON ALL APPROACHES TO THE INTERSECTION INDICATES HIGH TRAFFIC VOLUMES ON THE "SIDE ROADS." THEREFORE, MINUTE EXCEEDING THE MAXIMUM TIME DURATION OF 5 TO 7 1/2 MINUTES FOR STOPPED TRAFFIC ON THE "SIDE ROADS," THE CONTRACTOR AND THE ENGINEER SHALL DETERMINE THE REQUIREMENTS FOR CONDUCTING THE WORK AND SHALL DETERMINE A MAXIMUM TIME DURATION FOR STOPPING THE SIDE ROAD TRAFFIC PRIOR TO ANY PORTION OF THE LANE CLOSURE OR THE "WORK ACTIVITY AREA" ENDS UPON THE "LIMITS OF THE INTERSECTION."

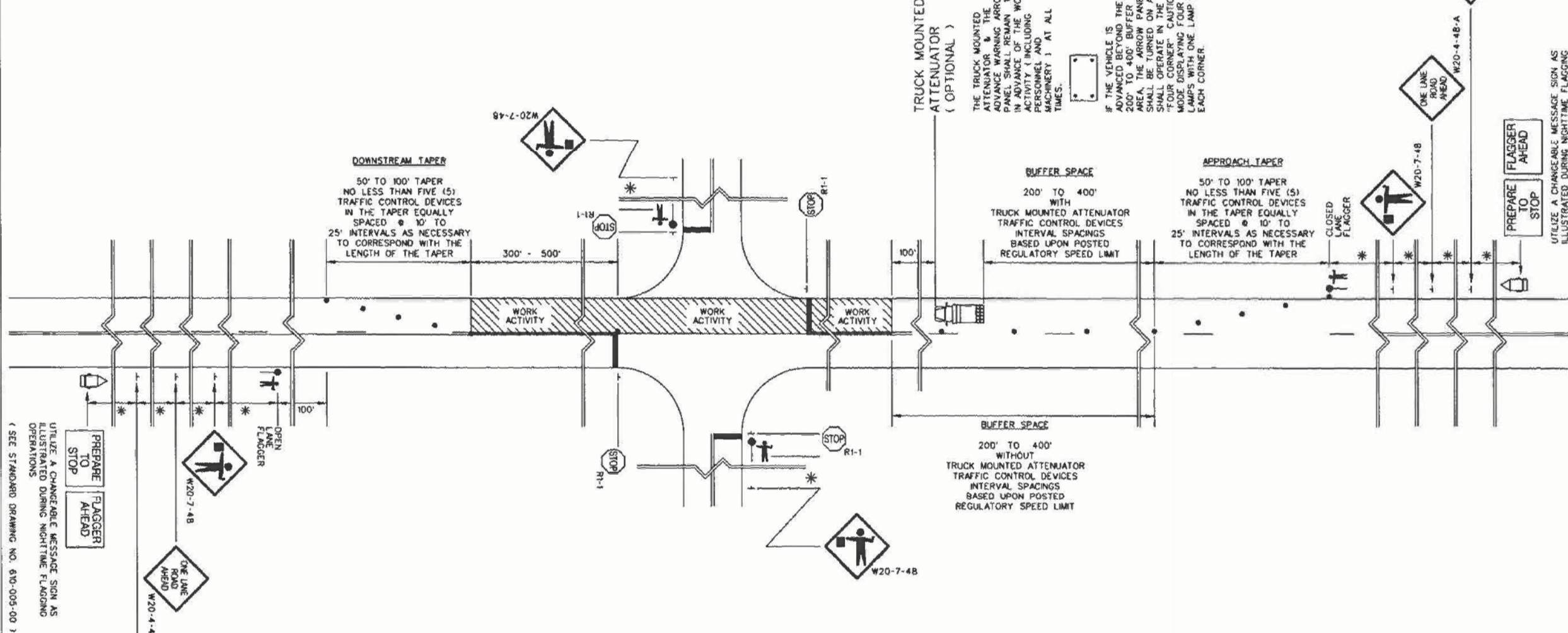


TABLE A
SIGN PLACEMENT INTERVALS

SPEED LIMIT	INTERVAL
≤ 35 MPH LOW SPEED	300
40 - 50 MPH INTERMEDIATE SPEED	350
55 MPH HIGH SPEED	500

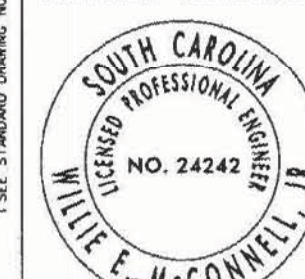
* REGULATORY POSTED SPEED LIMIT PRIOR TO BECOMING WORK

TABLE B
TRAFFIC CONTROL DEVICE SPACING INTERVALS
WORK ACTIVITY / BUFFER SPACE AREAS

SPEED LIMIT	SPACING INTERVALS
≤ 35 MPH	25 FEET
40 - 55 MPH	50 FEET

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER



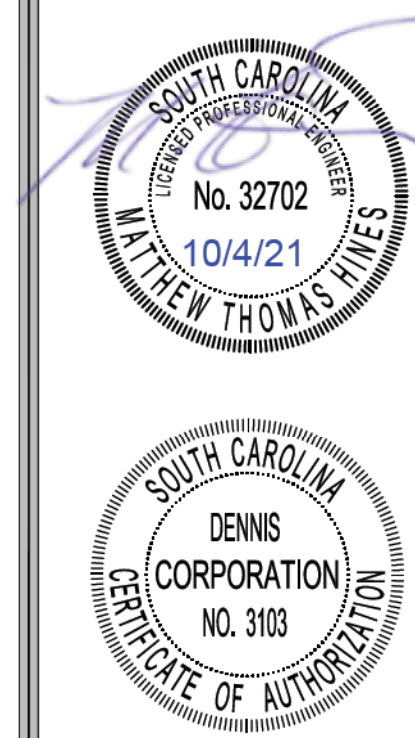
SIGNATURE
6/1/2018
DATE

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
935 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
FLAGGING OPERATIONS
WORK ZONES
CONTINUING THROUGH
STOP SIGN
CONTROLLED
INTERSECTIONS.
ALL APPROACHES

610-005-30
EFFECTIVE LETTERING DATE: JAN 2018

Revision	Date	Description



Engineer
M. Hines
Drawn By
D. Himmick
Checked By
M. Hines

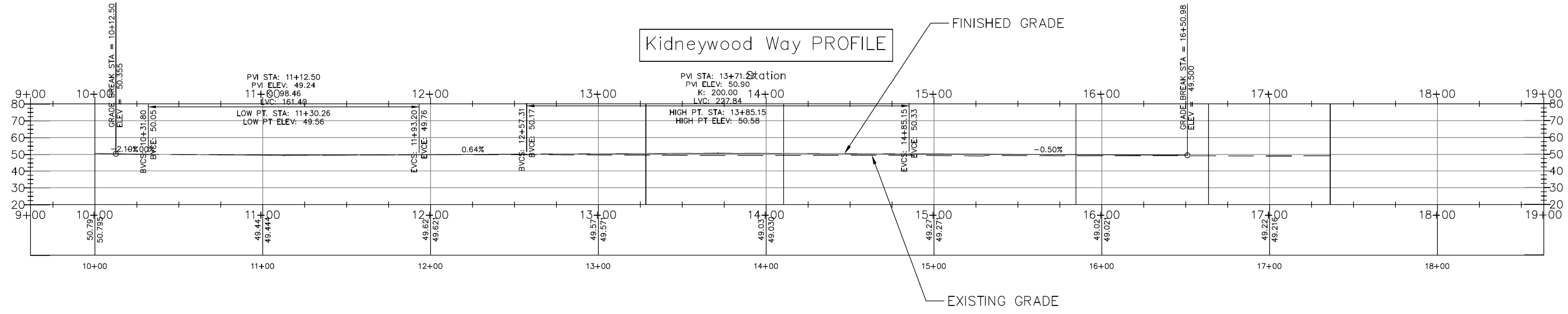
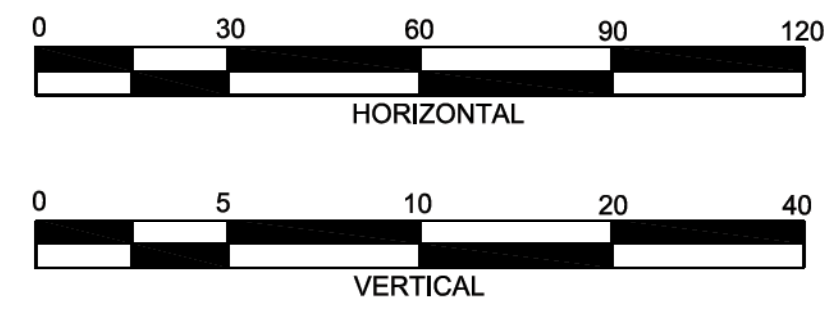
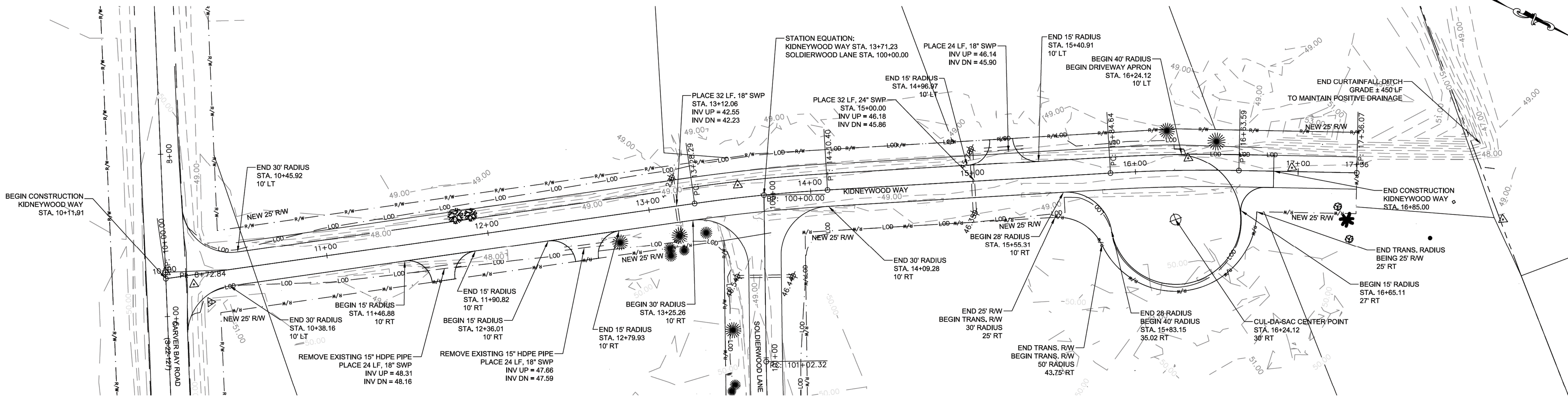
NOTES AND DETAILS
(SHEET 5 OF 5)

DENNIS
CORPORATION

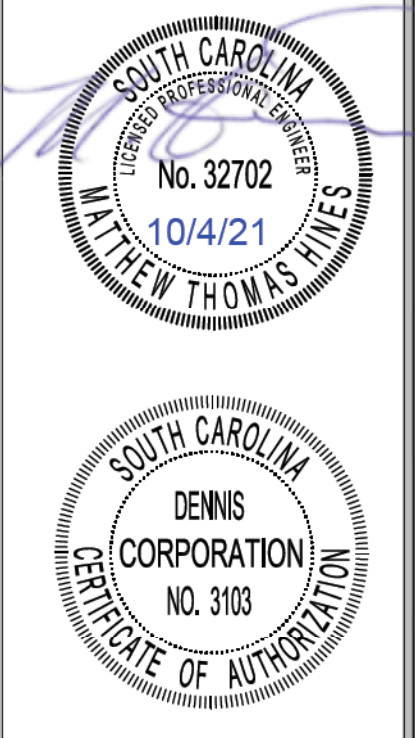
KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY | SOUTH CAROLINA

Project
G0004.33
Scale
N.T.S.
Sheet
5D



Description	Date	Revision



Engineer	M. Hines
Drawn By	D. Hamrick
Checked By	M. Hines

PLAN & PROFILE
(SHEET 1 OF 2)

DENNIS
CORPORATION

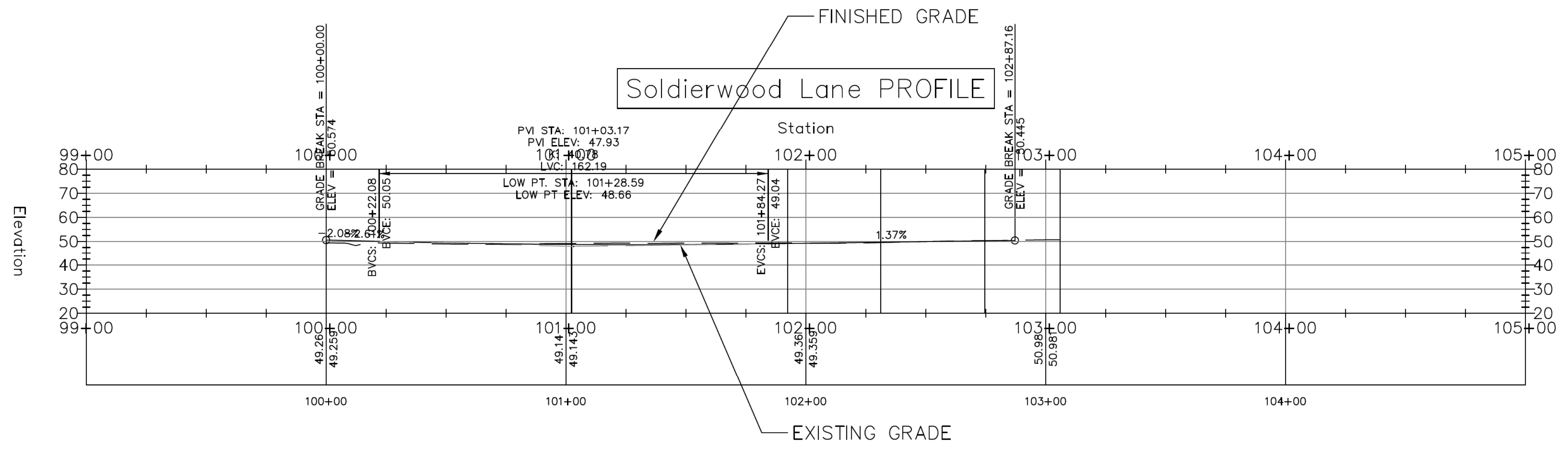
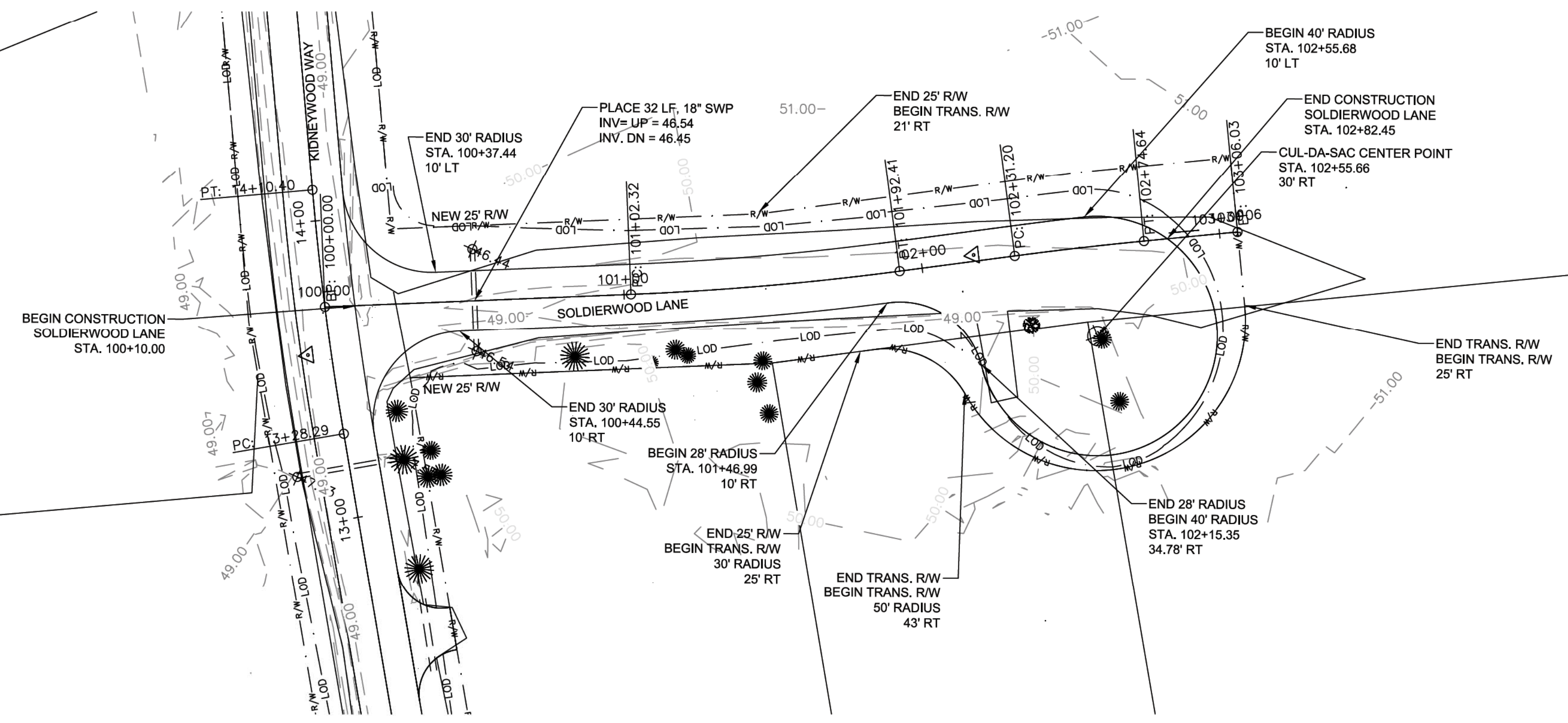
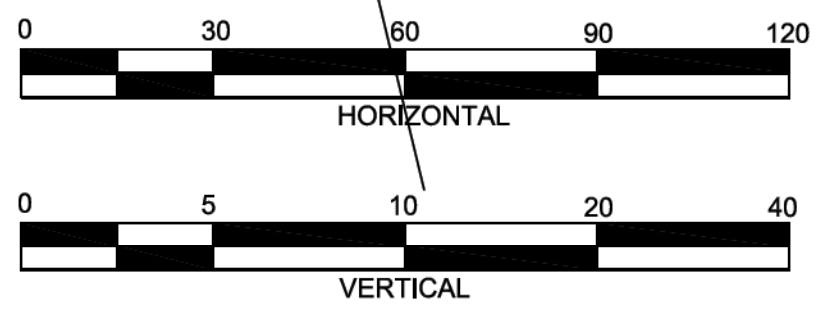
KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA
JULY 2020

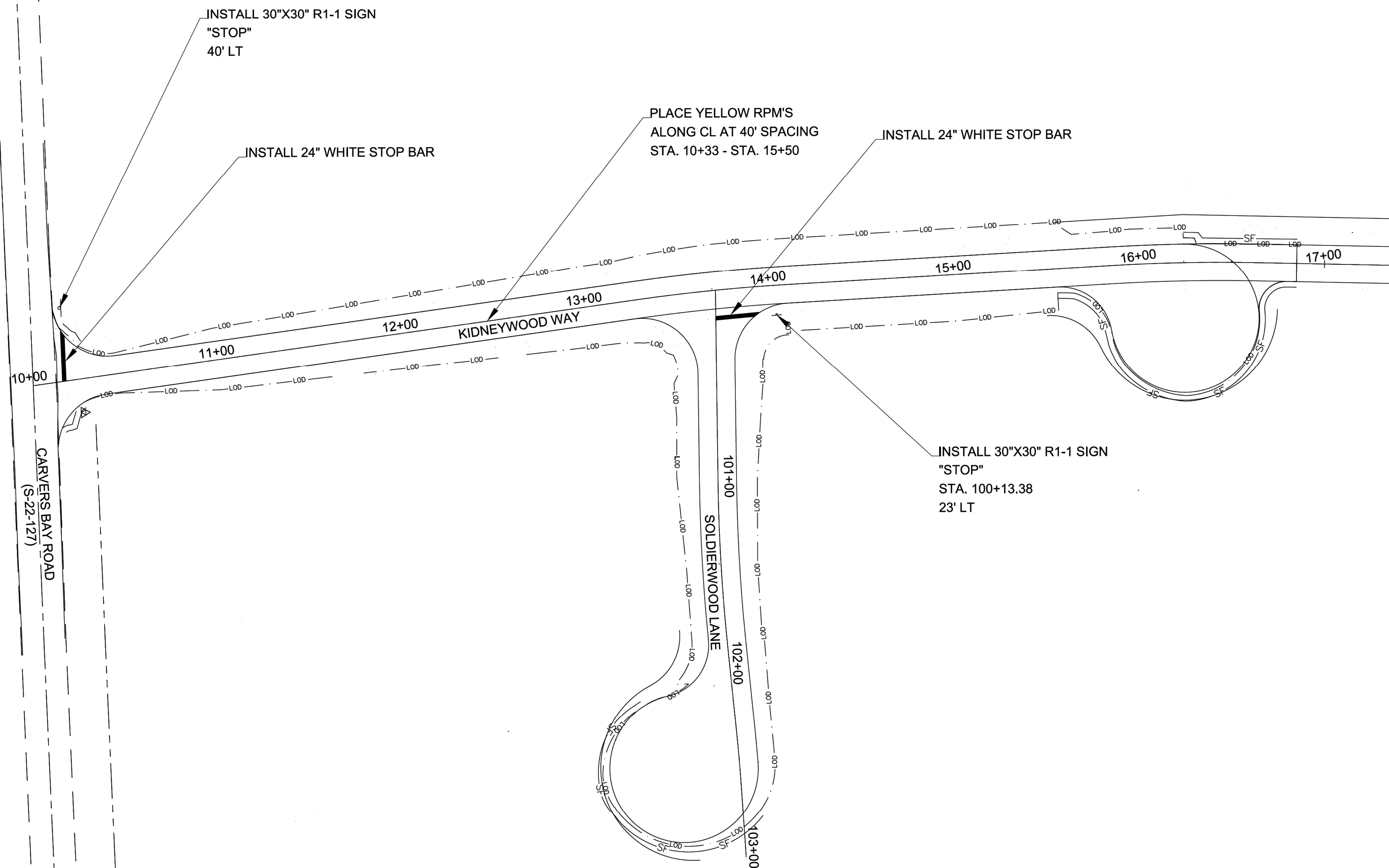
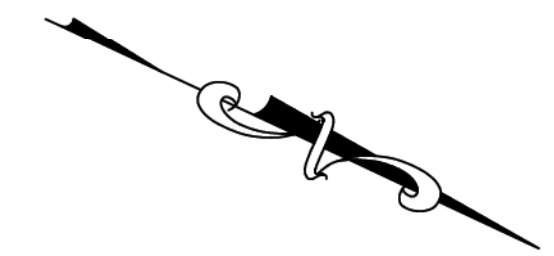
Project
G0004.33

Scale
1"=30'

Sheet
6



Description		
Date		
Revision		
Engineer	M. Hines	
Drawn By	D. Hinnick	
Checked By	M. Hines	
PLAN & PROFILE (SHEET 2 OF 2)		
KIDNEYWOOD WAY & SOLDIERWOOD LANE for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>		
<small>JULY 2020</small>		
Project G0004.33		
Scale 1"=30'		
Sheet 7		



Revision	Date	Description

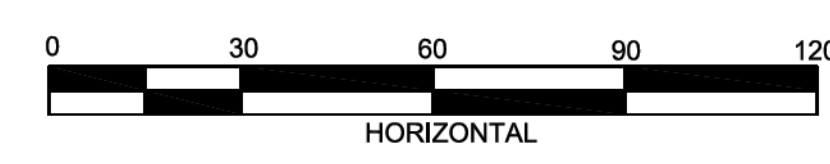


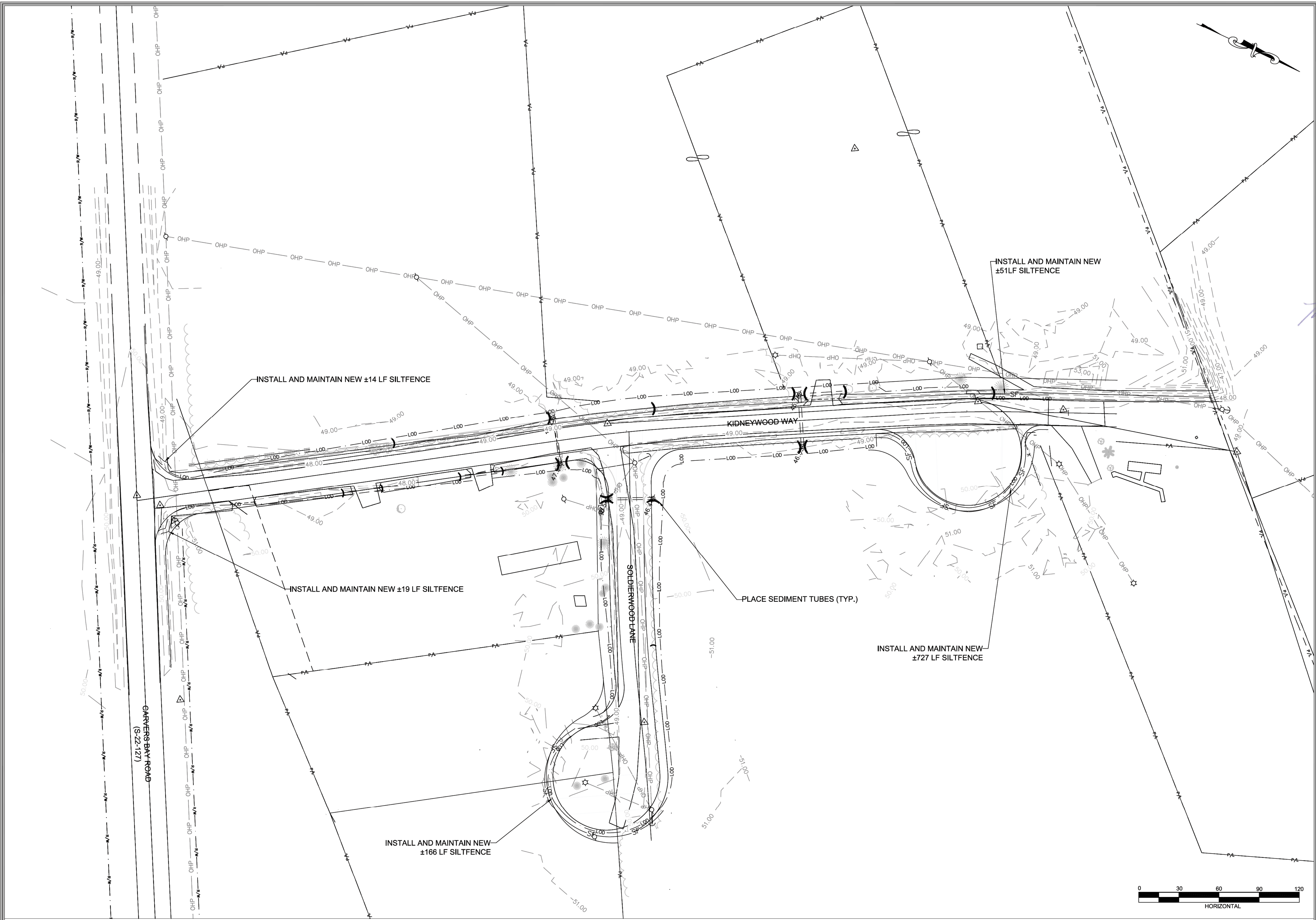
Engineer	M. Hines
Drawn By	D. Hamrick
Checked By	M. Hines

STRIPING AND SIGNAGE PLANS
DENNIS
 CORPORATION

KIDNEYWOOD WAY & SOLDIERWOOD LANE
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY | SOUTH CAROLINA

Project
G0004.33
 Scale
1" = 30'
 Sheet
SS1





Revision	Date	Description

Engineer	M. Hines
Drawn By	D. Hamrick
Checked By	M. Hines

EROSION CONTROL

DENNIS CORPORATION

Project
G0004.33

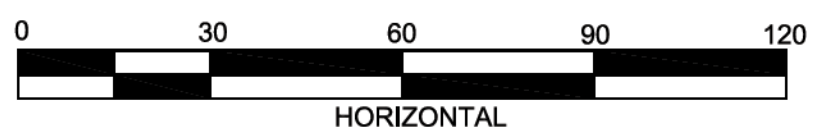
Scale
1" = 30'

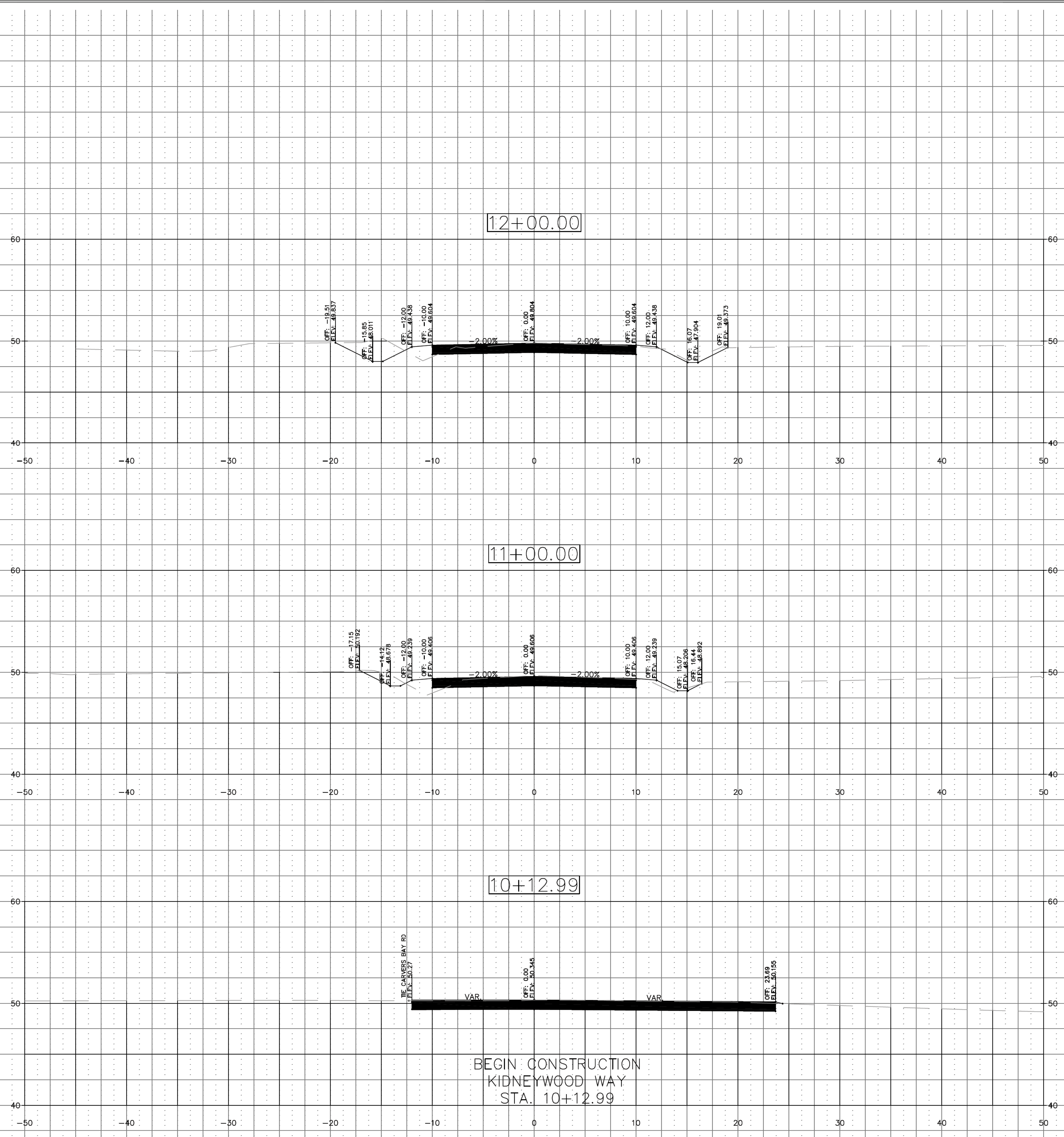
Sheet
EC1

Project Name:
KIDNEYWOOD WAY & SOLDIERWOOD LANE
for
GEORGETOWN COUNTY

Location:
GEORGETOWN COUNTY | SOUTH CAROLINA

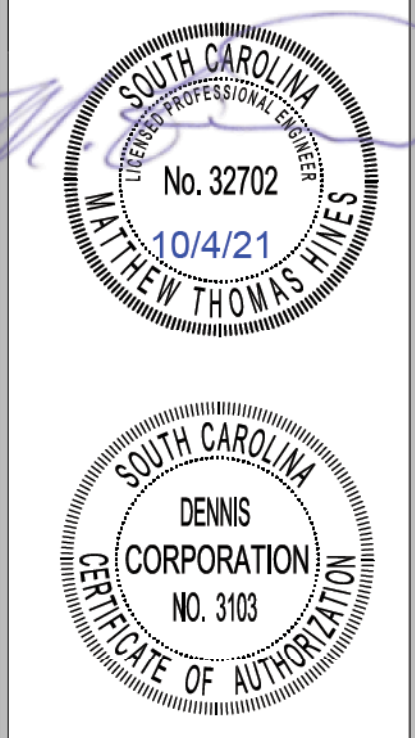
Date:
JULY 2020





BEGIN CONSTRUCTION
KIDNEYWOOD WAY
STA. 10+12.99

Revision	Date	Description

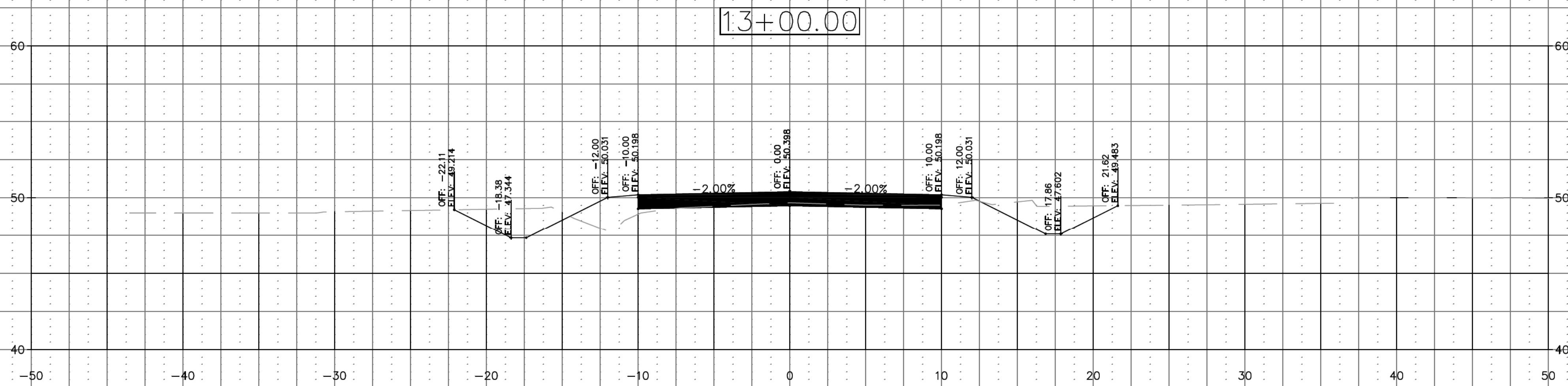
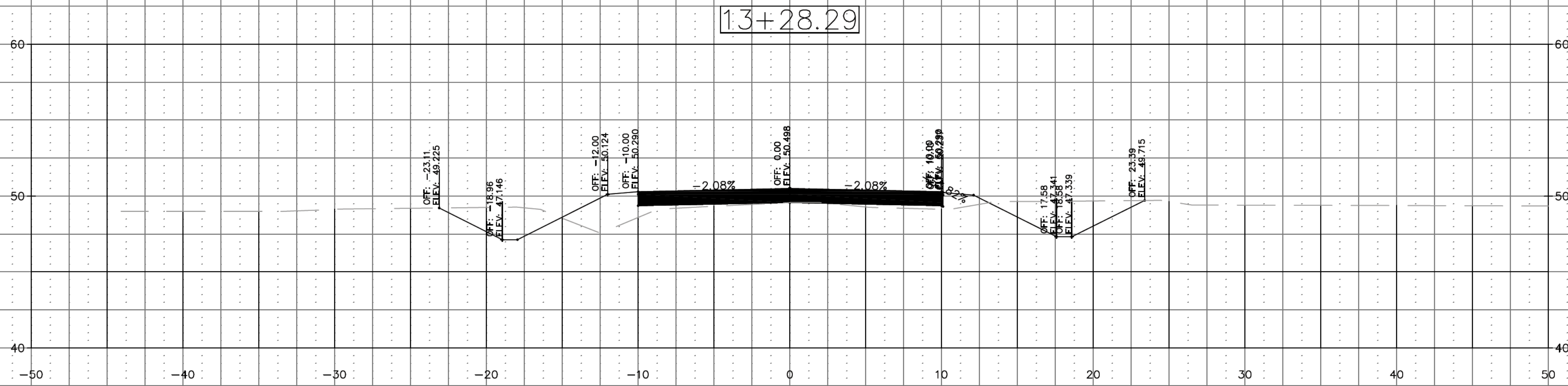
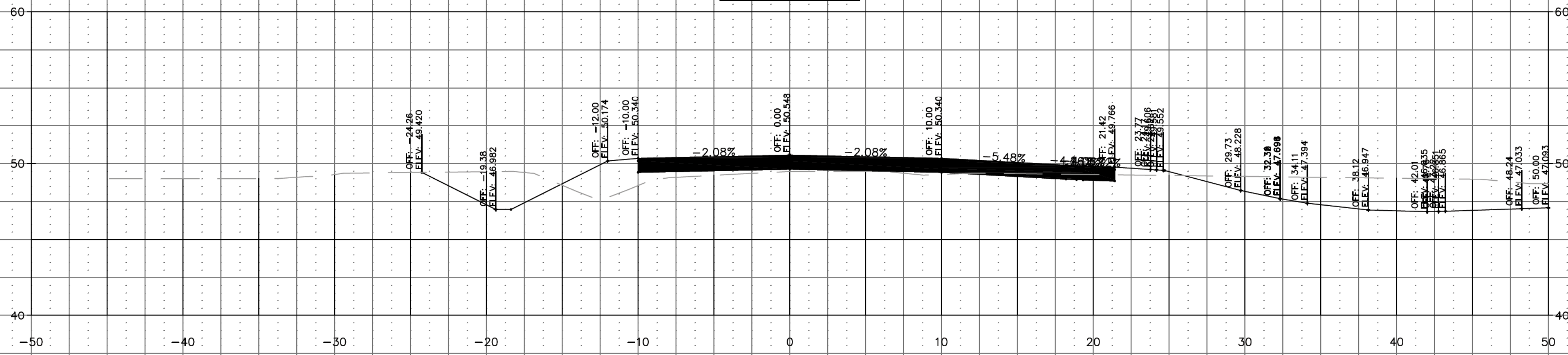


Engineer	Drawn By	Checked By
M. Hines	D. Hamrick	M. Hines

CROSS SECTIONS
DENNIS
CORPORATION

KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY
JULY 2020
GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.33
Scale
1" = 20'
Sheet
XS1



Description

Date

Revision

Engineer

M. Hines

Drawn By

D. Hamrick

Checked By

M. Hines

CROSS SECTIONS

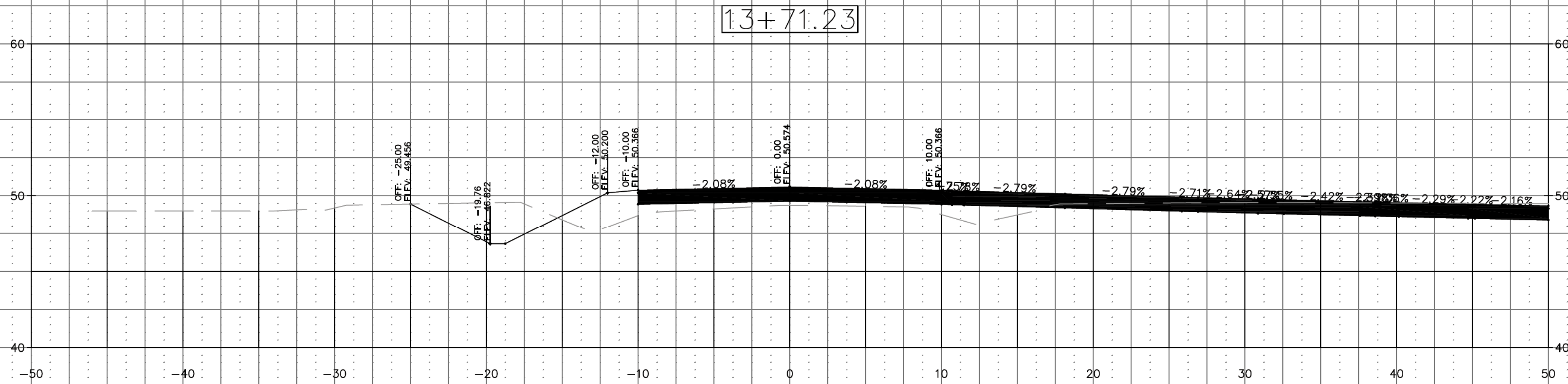
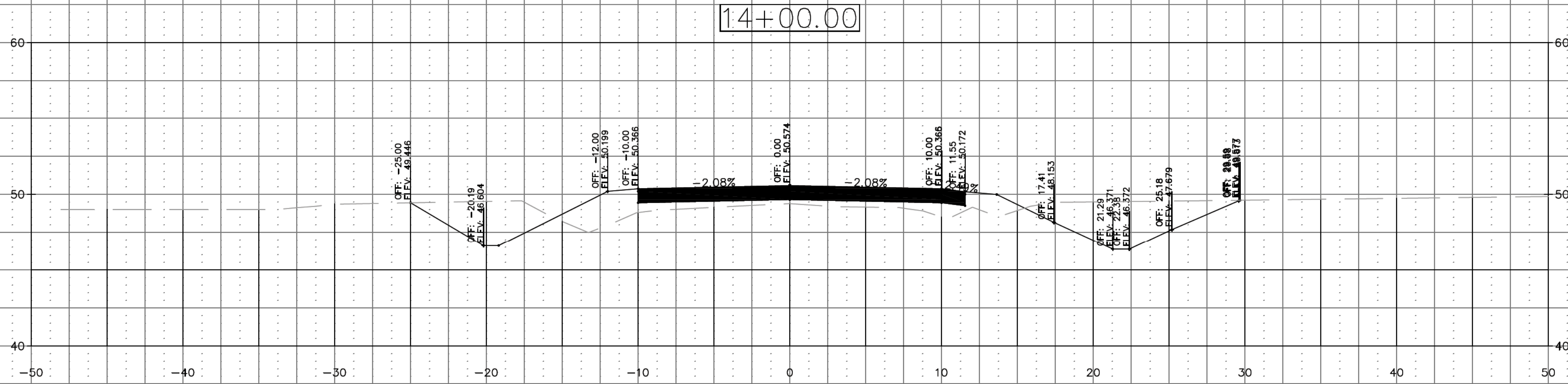
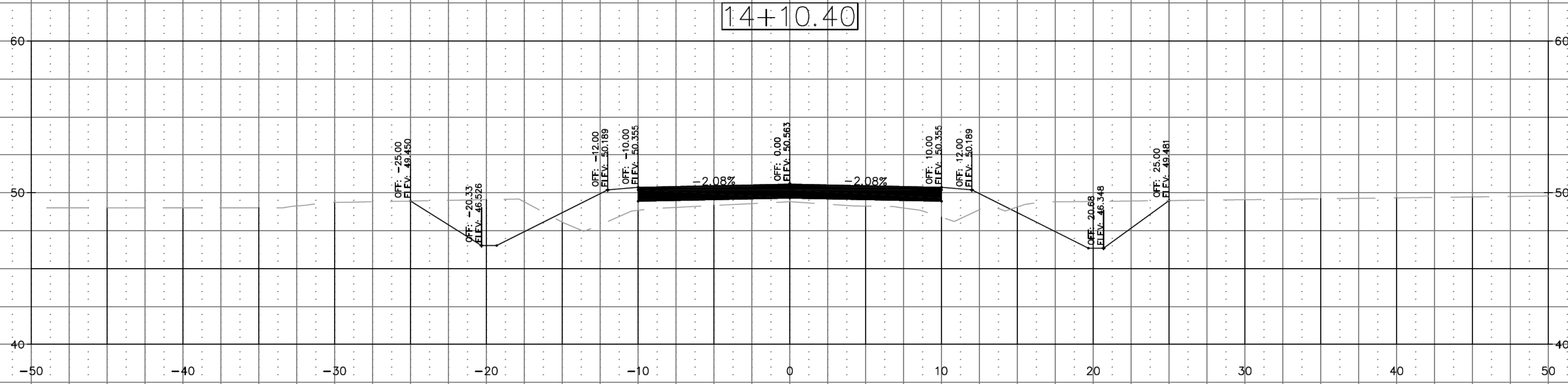
KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY

Project
G0004.33
Scale
1" = 20'
Sheet
XS2

GEORGETOWN COUNTY SOUTH CAROLINA
JULY 2020



DENNIS CORPORATION



Revision	Date	Description

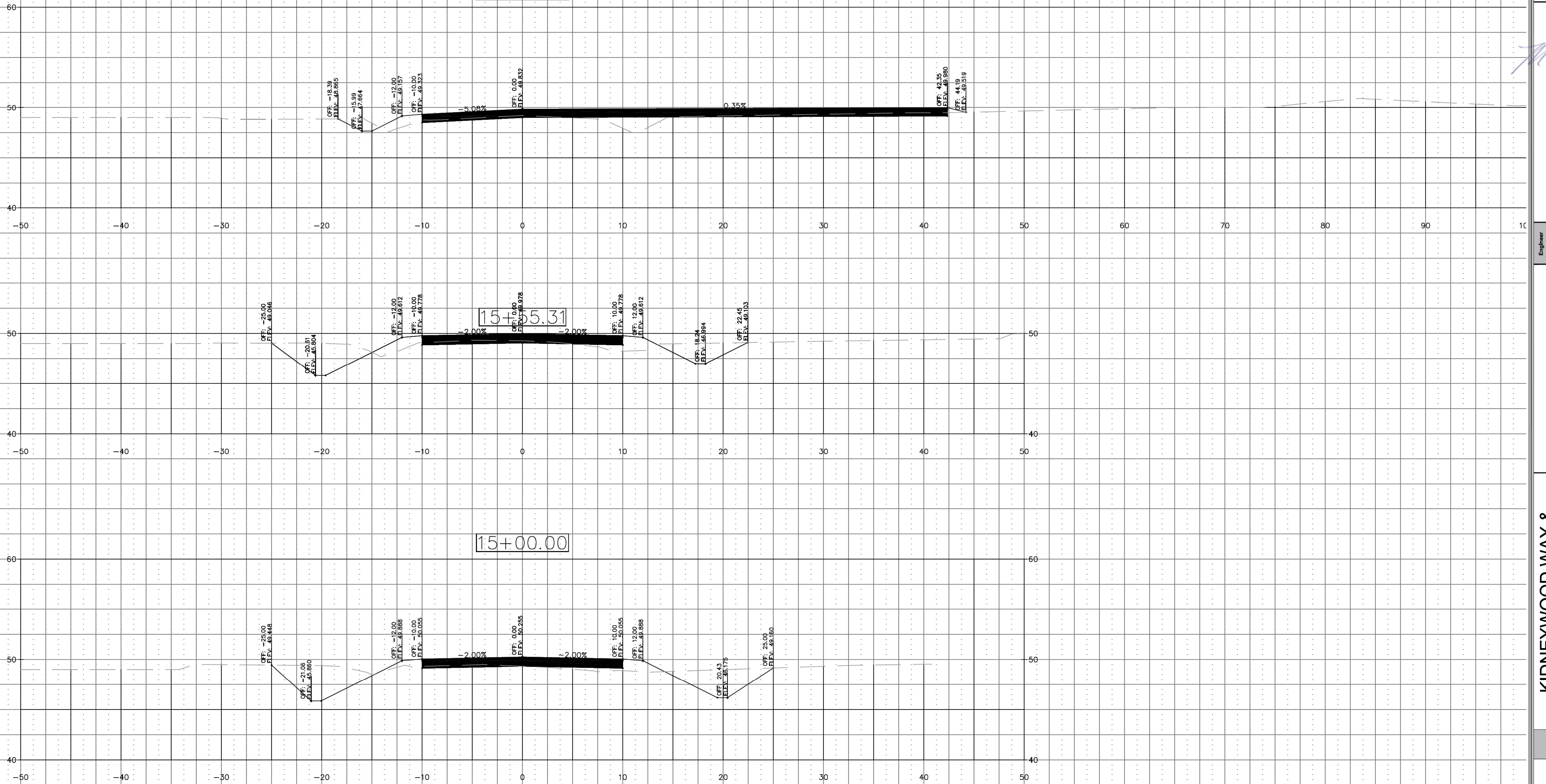


Engineer	M. Hines
Drawn By	D. Hamrick
Checked By	M. Hines

CROSS SECTIONS
DENNIS
 CORPORATION

KIDNEYWOOD WAY &
 SOLDIERWOOD LANE
 for
 GEORGETOWN COUNTY
 SOUTH CAROLINA

Project
G0004.33
 Scale
1" = 20'
 Sheet
XS3



Revision	Date	Description



Engineer	Drawn By	Checked By
M. Hines	D. Hamrick	M. Hines

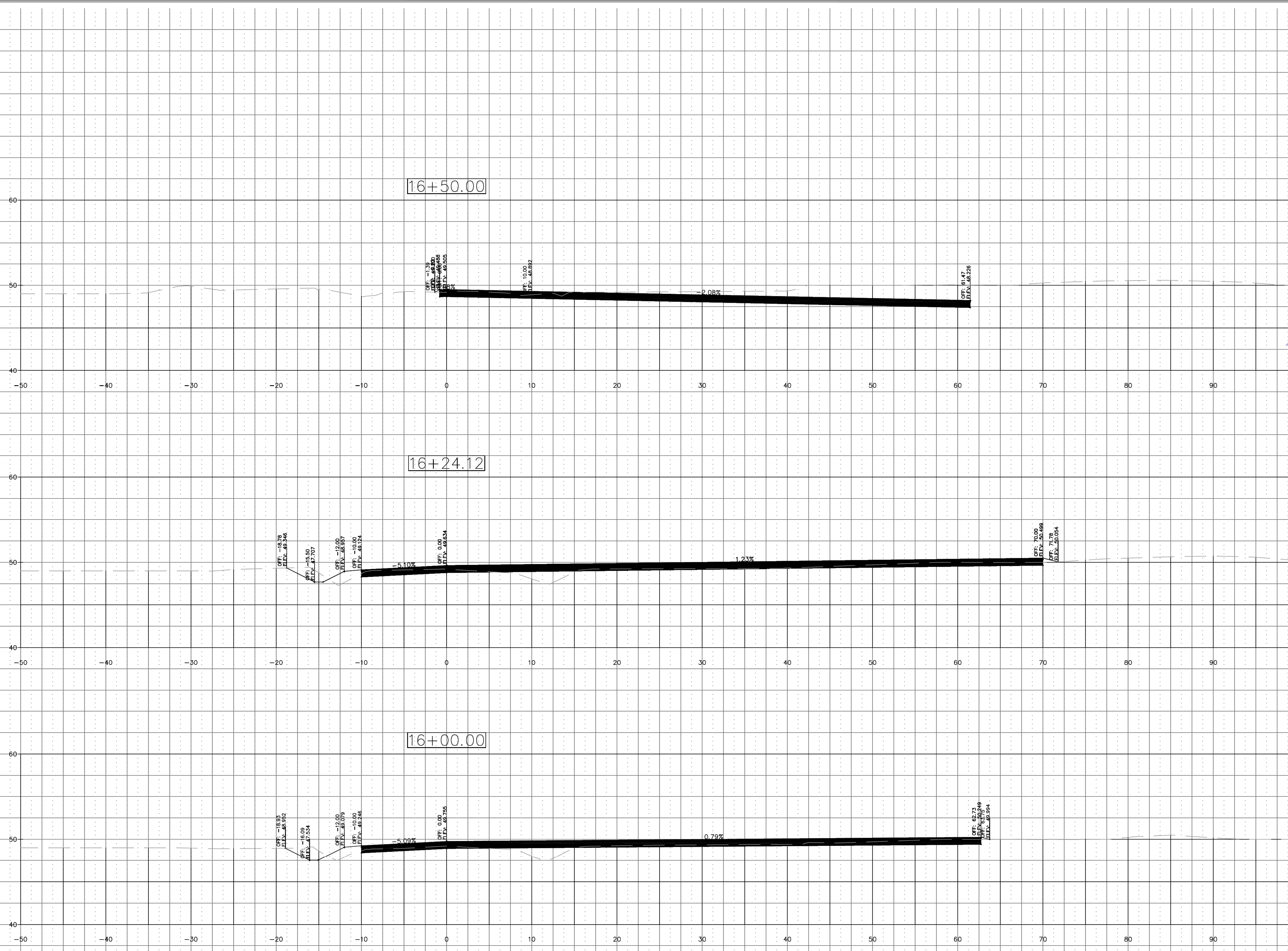
CROSS SECTIONS

DENNIS
CORPORATION

KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA
JULY 2020

Project
G0004.33
Scale
1" = 20'
Sheet
XS4



Revision	Date	Description

Engineer	M. Hines	Drawn By	D. Hamrick
Checked By	M. Hines		

CROSS SECTIONS

KIDNEYWOOD WAY & SOLDIERWOOD LANE

for

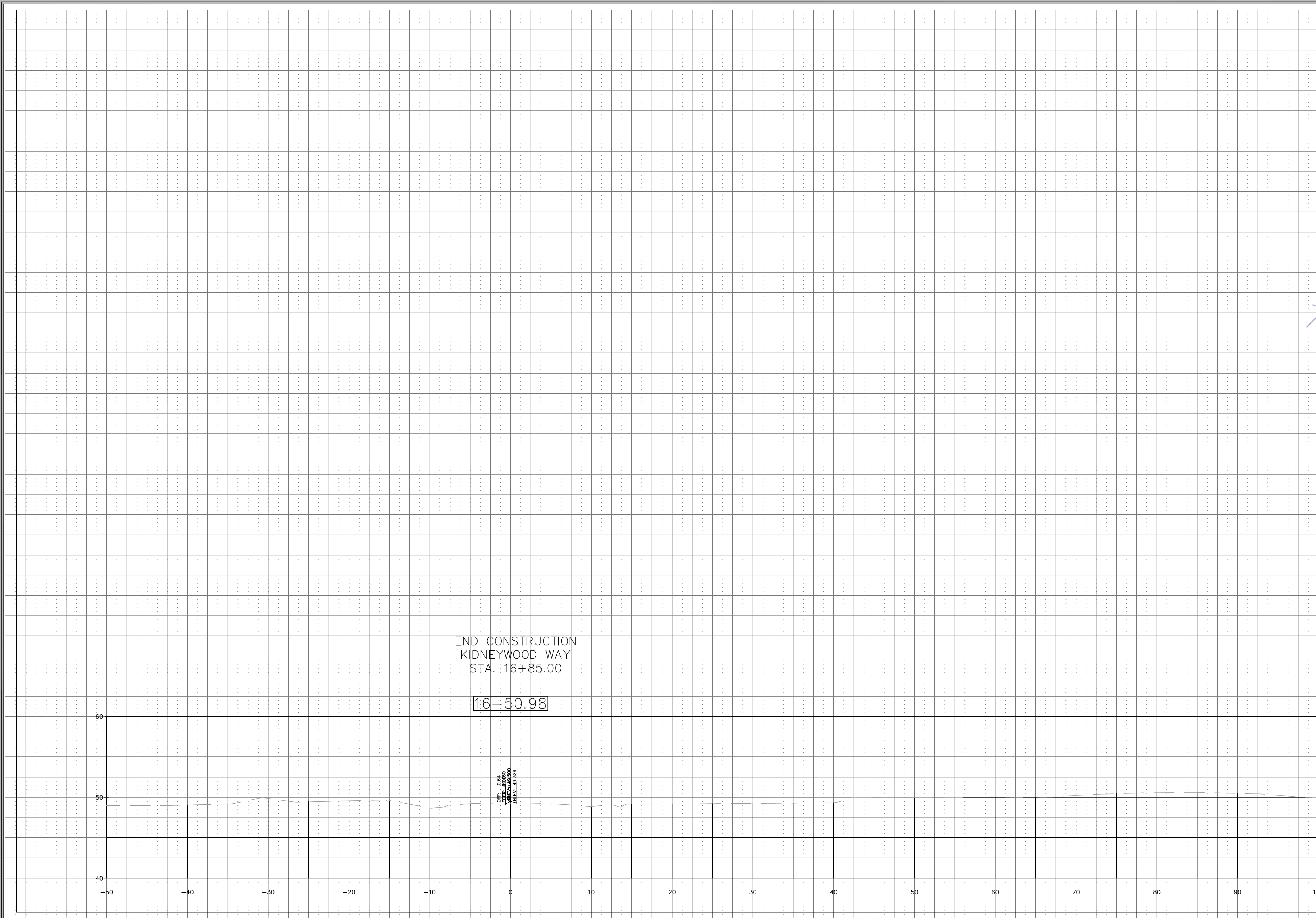
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA

JULY 2020

DENNIS CORPORATION

Project	G0004.33
Scale	1" = 20'
Sheet	XS5

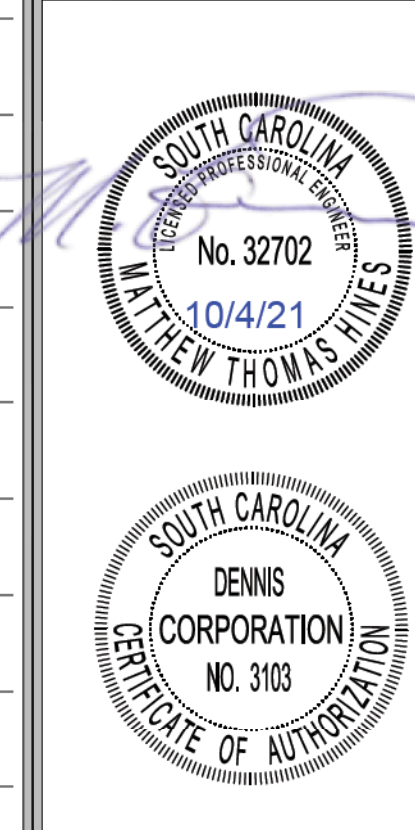


END CONSTRUCTION
 KIDNEYWOOD WAY
 STA. 16+85.00

16+50.98

OFF -0.64
 ELEV. 49.980
 VERTICAL CURVE
 16+50.00 16+75.00

Revision	Date	Description



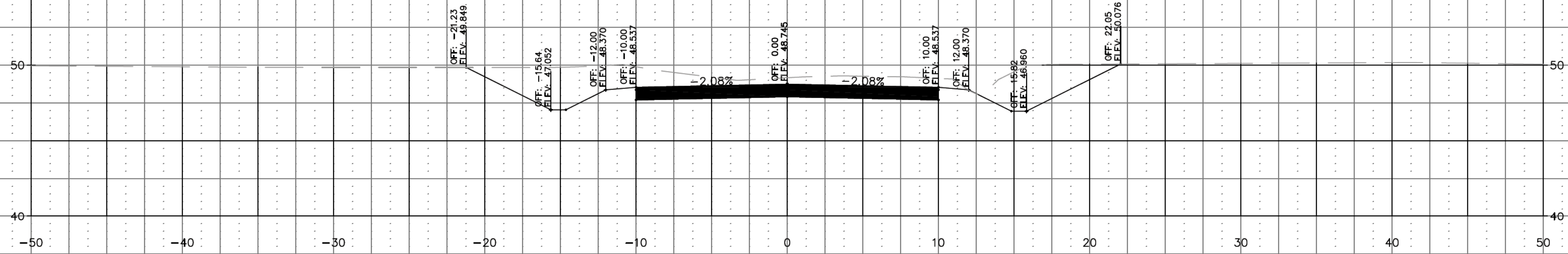
Engineer	M. Hines	Drawn By	D. Hamrick	Checked By	M. Hines

CROSS SECTIONS
DENNIS
 CORPORATION

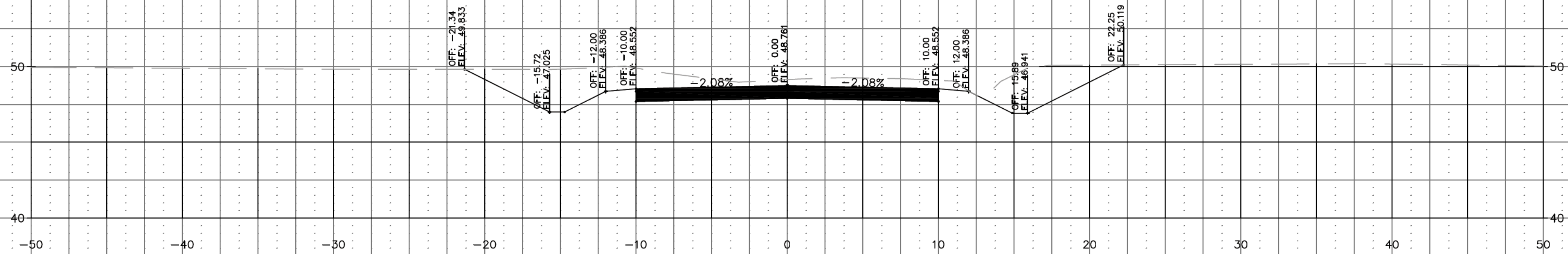
KIDNEYWOOD WAY &
 SOLDIERWOOD LANE
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JULY 2020

Project
G0004.33
 Scale
1" = 20'
 Sheet
XS6

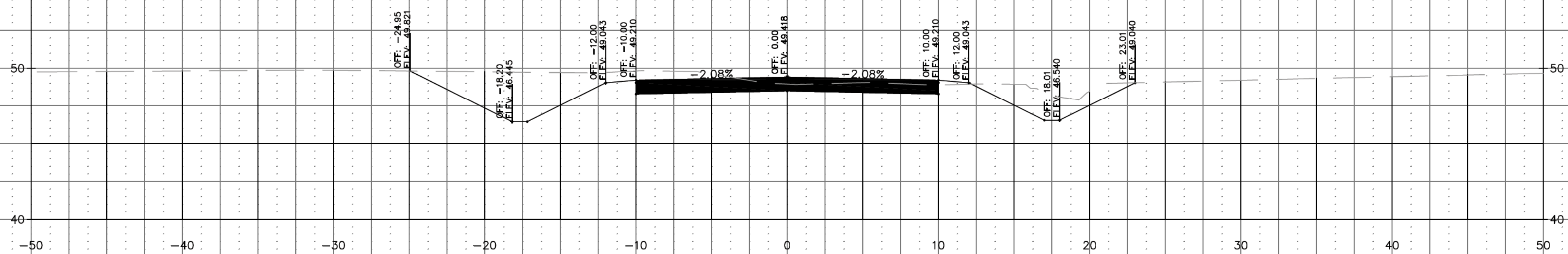
101+02.32



101+00.00



100+50.00



Description

Date

Revision

Engineer

M. Hines

Drawn By

D. Hamrick

Checked By

M. Hines

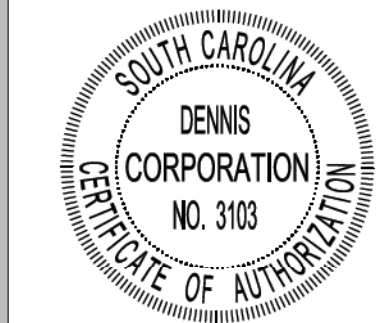
CROSS SECTIONS

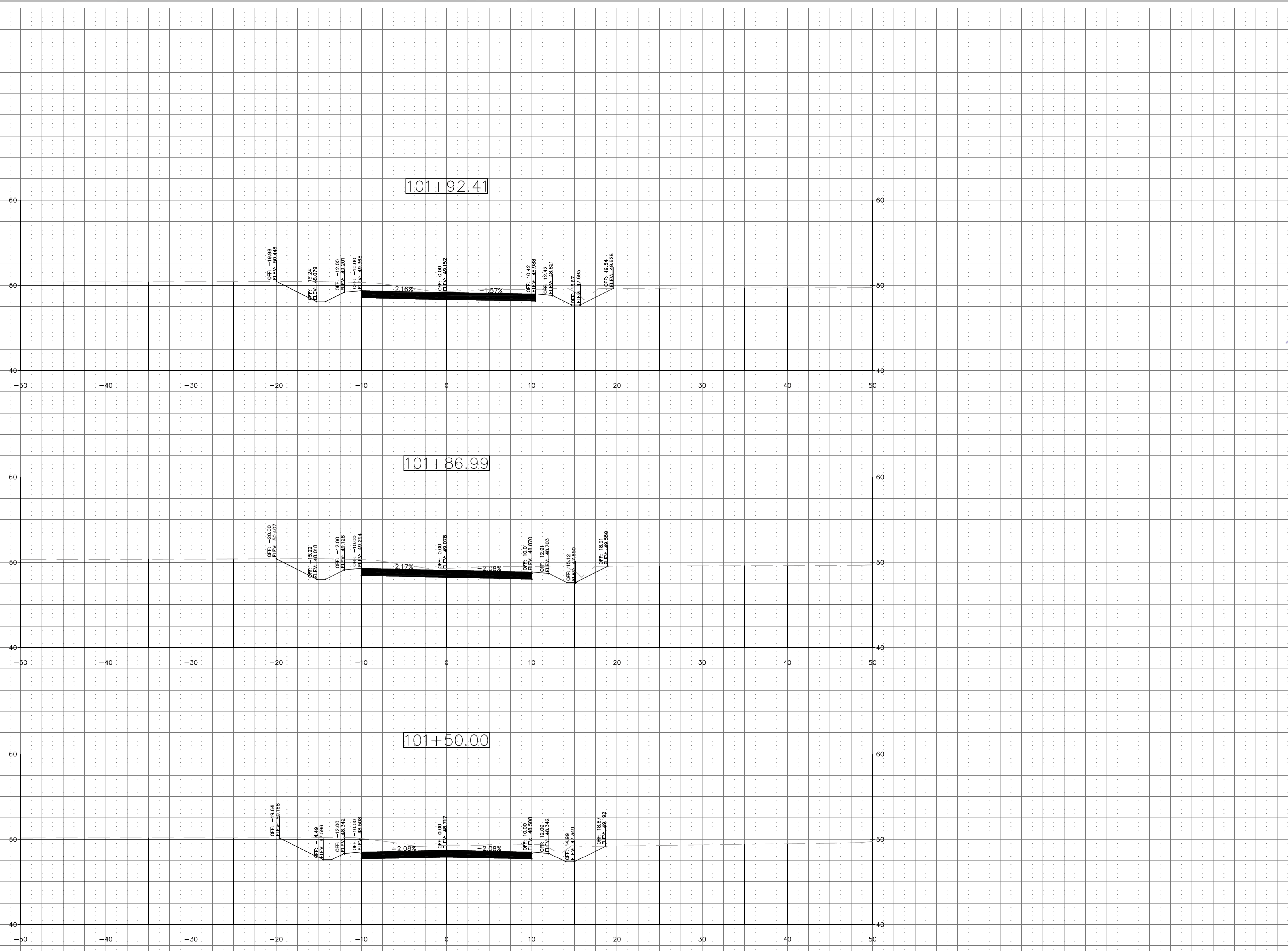
KIDNEYWOOD WAY & SOLDIERWOOD LANE
for
GEORGETOWN COUNTY

Project
G0004.33
Scale
1" = 20'
Sheet
XS7

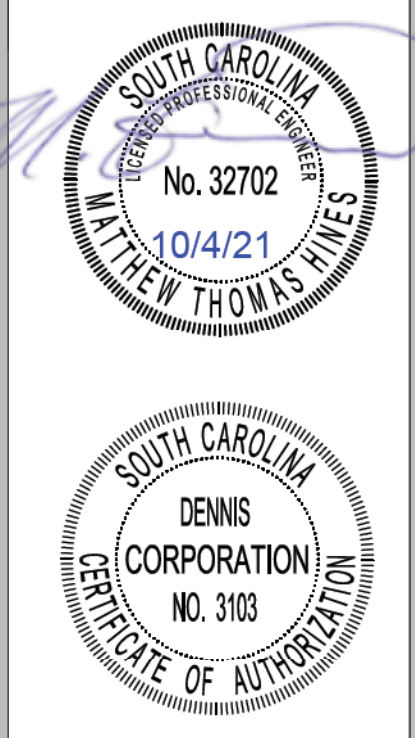
GEORGETOWN COUNTY SOUTH CAROLINA
JULY 2020

DENNIS CORPORATION





Revision	Date	Description



Engineer	M. Hines
Drawn By	D. Hamrick
Checked By	M. Hines

CROSS SECTIONS

DENNIS
CORPORATION

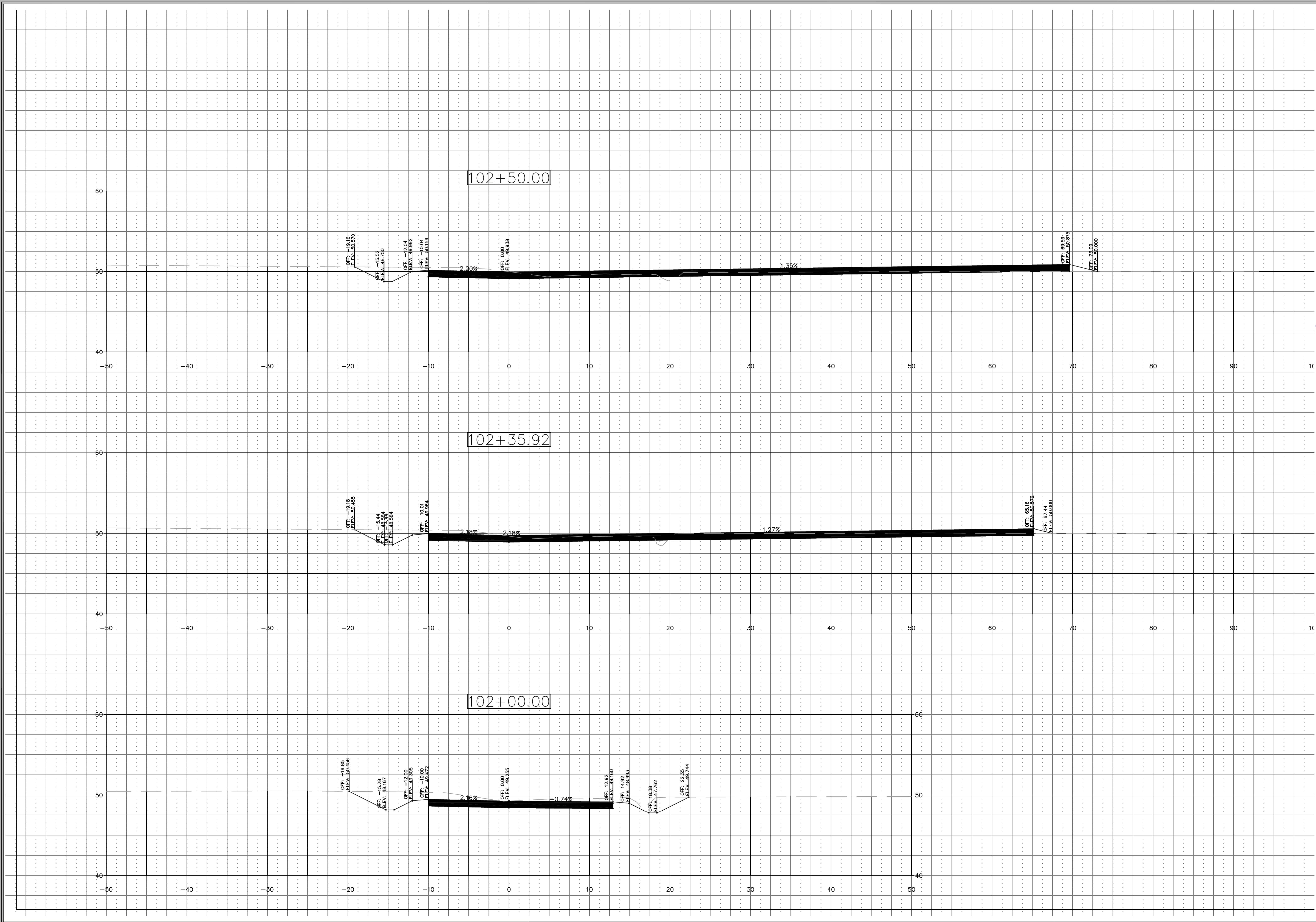
KIDNEYWOOD WAY &
SOLDIERWOOD LANE
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY, SOUTH CAROLINA

Project
G0004.33

Scale
1" = 20'

Sheet
XS8

JULY 2020



KIDNEYWOOD WAY & SOLDIERWOOD LANE
for
GEORGETOWN COUNTY
JULY 2020

CROSS SECTIONS

DENNIS CORPORATION

Project **G0004.33**
Scale **1" = 20'**
Sheet **XS9**

Engineer: M. Hines
Drawn By: D. Hamrick
Checked By: M. Hines

Professional Engineer
No. 32702
10/4/21
MATTHEW THOMAS HINES

Professional Engineer
No. 3103
DENNIS CORPORATION
CERTIFICATE OF AUTHORIZATION

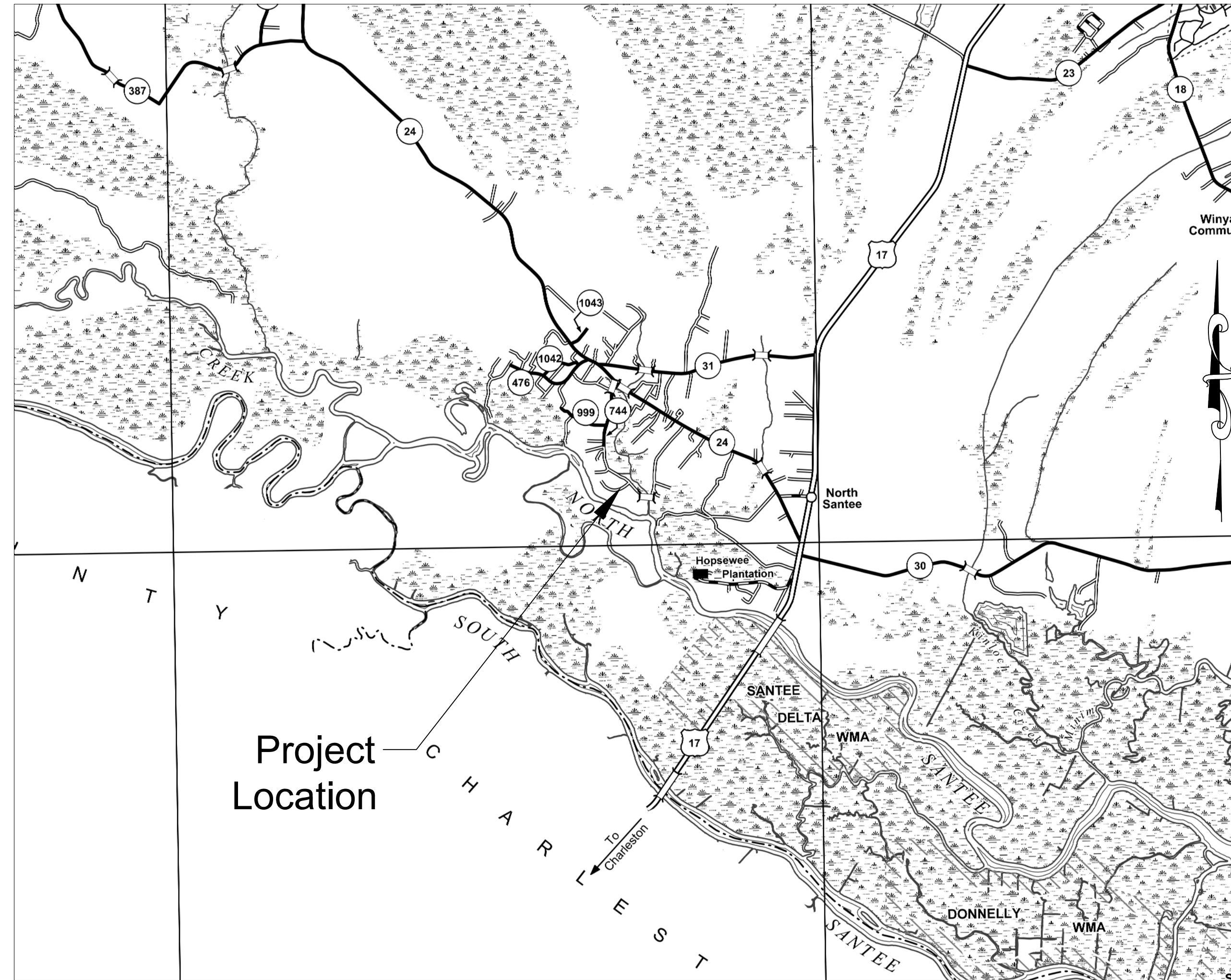
Revision	Date	Description

CORNER LOOP AND BELLADONNA

FOR

GEORGETOWN COUNTY

SHEET NO.	SHEET INDEX DESCRIPTION	TOTAL
G-001	COVER	1
G-002	QUANTITIES	1
G-003	TYPICAL SECTION	1
G-004	STAKEHOLDERS	1
G-005-006	ALIGNMENT	2
G-101-103	STRIP MAP	3
C-101-104	CORNER LOOP PLAN & PROFILE	4
C-105-107	BELLADONNA PLAN & PROFILE	3
C-108-110	SIGNAGE & STRIPING	3
C-111-116	EROSION CONTROL PHASE I	6
C-117-122	EROSION CONTROL PHASE II	6
C-123-128	EROSION CONTROL PHASE III	6
C-301-321	CROSS SECTIONS	21
C-501-504	NOTES & DETAILS	4




Vicinity Map
Scale: 1" = 5000'

NET LENGTH OF ROADWAY	0.801 MILES
NET LENGTH OF BRIDGES	0.0 MILES
NET LENGTH OF PROJECT	0.801 MILES
LENGTH OF EXCEPTIONS	0.0 MILES
GROSS LENGTH OF PROJECT	0.801 MILES

NPDES PERMIT INFORMATION
Disturbed Area = 4.59 Acre(s) Total Area = 6.36 Acre(s)
Approximate Location of Roadway is Latitude 33° 30' 5" Longitude 79° 24' 41"

General Notes:

1. An encroachment permit from the Georgetown County Public Services Department is required prior to commencing work with County right-of-way, or drainage easements.
2. Any work within State right-of-way will require a SCDOT Encroachment Permit.
3. The contractor shall notify the Georgetown County Public Works Division at least 24 hours prior to starting construction within the right-of-way.
4. The contractor shall provide all signs, barricades, flagmen, lights or other devices necessary for safe traffic control in accordance with the current edition of the Manual on Uniform Traffic Control Devices as modified by the South Carolina Supplement to the MUTCD. A traffic control plan shall be submitted to and approved by the Georgetown County Public Works Division prior to the issuance of any construction permit for work within County right-of-way.
5. The contractor shall contact South Carolina 811 (sc1pups.org / 1-888-721-7877) at least 72 working day hours prior to construction, and request utility locates.
6. Construction specification: Shall comply with the latest edition of the South Carolina Department of Transportation Standard Specifications for Road and Bridge Construction, special provisions and revisions thereto, and as amended by Chapter 5 of the Georgetown County Roadway Design and Construction Manual.
7. The subgrade material shall be scarified or removed to a depth required by Georgetown County according to information obtained from laboratory tests and/or as required in the Pavement Design Report. Additives or approved material may be required if the native material is unsatisfactory. The subgrade shall be compacted to a minimum density determined in accordance with AASHTO designation T180 or T99 and in accordance with the SCDOT Standard Specifications Section 208 (current editions).
8. Service trenches and utility main trenches shall be compacted throughout the depth of trench.
9. Class 6 aggregate base course for shoulders shall be placed and compacted to 95% Standard Proctor after placement of asphalt.
10. Existing asphalt pavement shall be straight saw cut or blade cut when adjoining with new asphalt pavement. SS-1 tack coat shall be applied to all surfaces.
11. Structural section shall be as approved by the Georgetown County Public Works Division, with pavement design in accordance with the Georgetown County Roadway Design and Construction Manual.




Please Call
Palmetto Utility Protection Service
1-888-721-7877
72 Hours Prior to Beginning Construction

Design Reference for these plans is the:
"Georgetown County Roadway Design & Construction Manual", 2014

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

Description	Date	Revision



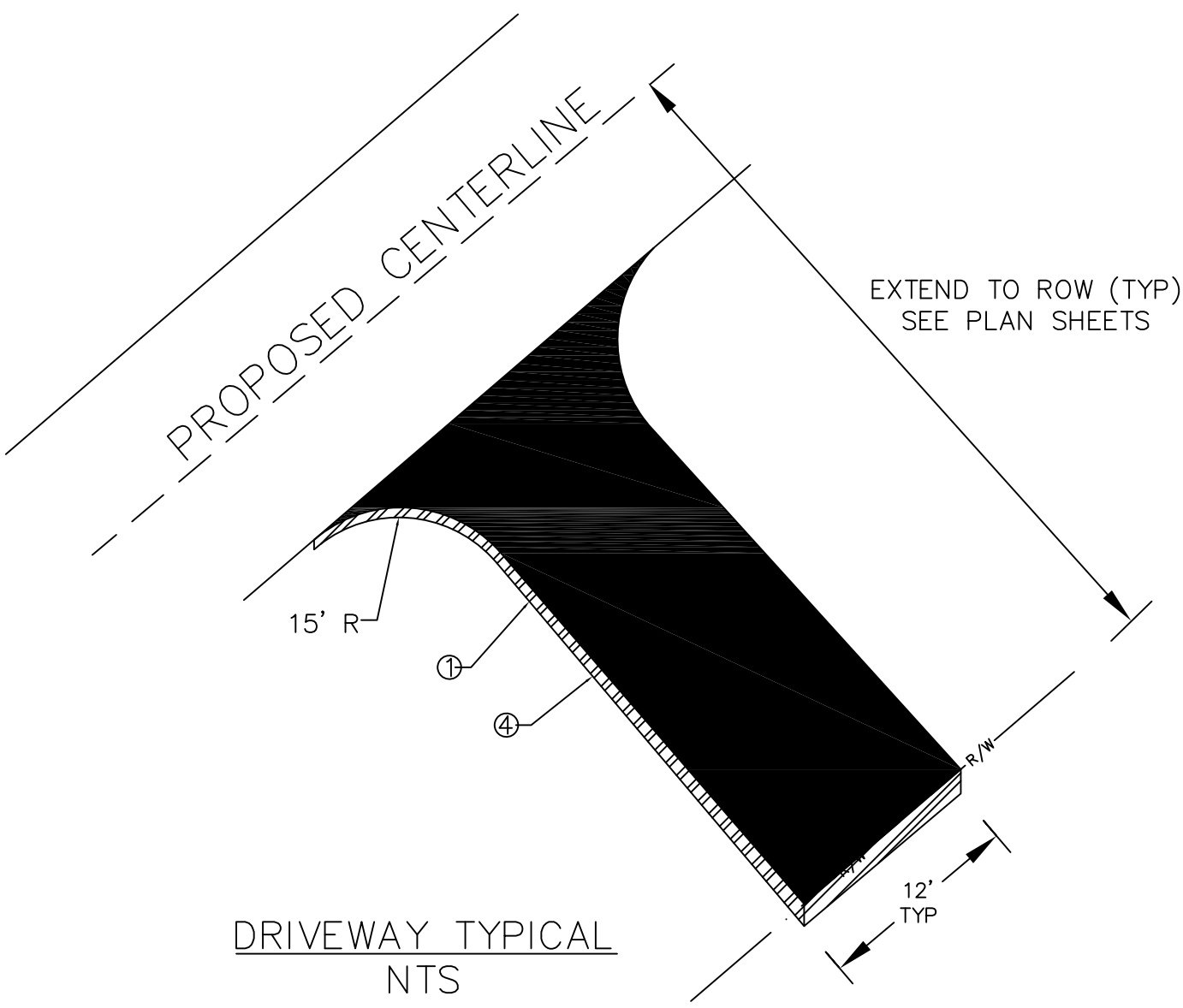
DENNIS CORPORATION
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
www.DennisCorporation.com
Office: (803) 252-0991
1800 Huger Street
Columbia, SC 29201
Fax: (803) 733-6787

Project
G0004.32
Scale
AS SHOWN
Sheet
G-001

CORNER LOOP AND BELLADONNA
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

NOTES:
 1. DITCH DEPTH VARIES, REFER TO CROSS SECTIONS

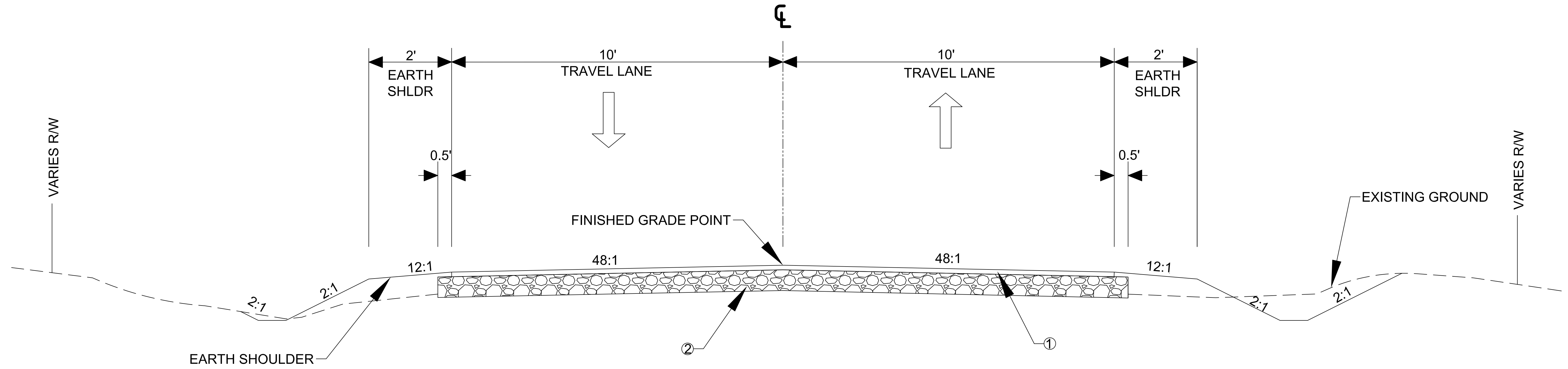


ALL DRIVEWAY RADII WILL BE 15' MINIMUM AND ALL DRIVEWAY WIDTHS WILL BE 12' MINIMUM UNLESS OTHERWISE NOTED ON PLANS
 ① - 275 PSY HMA SURFACE COURSE TYPE C (+/- 2.5")
 ② - GRADED AGGREGATE BASE COURSE (4" UNIFORM)

LEGEND

- RIGHT-OF-WAY
- LIMITS OF DISTURBANCE
- EX. OVERHEAD UTILITY
- EX. WATER LINE
- EX. SEWER LINE
- EX. MANHOLE
- EX. TREE
- EX. FENCE LINE
- EX. CONTOUR
- PROPOSED CONTOUR
- EX. EOP
- PROPOSED EOP
- EX. PIPE
- PROPOSED PIPE
- SILT FENCE
- PROPOSED CENTER LINE
- FLOWLINE
- PROPERTY LINE
- SEDIMENT TUBE
- PROPOSED SIGN

SEE SCDOT STANDARD DRAWINGS 100-105-00 AND 100-110-00 FOR ADDITIONAL SYMBOLS



- 1. 330 PSY SURFACE COURSE TYPE B HMA (± 3")
- 2. GRADED AGGREGATE BASE COURSE (8" UNIFORM)

TYPICAL SECTION FOR CORNER LOOP STA. 100+00.00 - STA. 126+43.00
 TYPICAL SECTION FOR BELLADONNA COURT STA. 10+00.00 - 25+06.16
 REFER TO CROSS-SECTIONS

Description	Date	Revision

TYPICAL SECTION

DENNIS CORPORATION

CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project G0004.32
 Scale N.T.S.
 Sheet G-003

RIGHT-OF-WAY DATA

TRACT NO	PROPERTY OWNER	TAX MAP	TOTAL TRACT	OBTAIN*				REMAINDER LEFT ACRES**	REMAINDER RIGHT ACRES**	DATE ACQUIRED	TYPE OF INSTRUMENT	OUTFALL DITCH PERMISSION (YES)	SLOPE PERMISSION (YES)	DRAINAGE STRUCTURE PERMISSION (YES)	EROSION CONTROL PERMISSION (YES)	ENTRANCE CONSTRUCTION PERMISSION (YES)	REMARKS
				OUTFALL ACRES	LEFT	RIGHT	TOTAL										
1	GOFF NORVEL	01-0452-005-03-00	5.25														
2	CORONTZES STEPHEN A	01-0452-004-11-00	2.21														
3	NIXON BETTS B	01-0452-004-10-00	1.93														
4	UMBERGER KEITH J	01-0452-004-09-00	2.27														
5	MILLERS ESTATES DR LLC	01-0452-004-08-00	2.57														
6	WRM HOLDINGS LLC	01-0452-004-07-00	2.66														
7	SMITH GLEN A JR	01-0452-004-06-00	2.96														
8	SMITH GLEN A JR	01-0452-004-05-00	4.45														
9	SPEARPOINT INVESTMENTS LLC	01-0452-004-14-00	3.90														
10	FORRESTER SHERILYN M	01-0452-004-12-00	8.09														
11	WRM HOLDINGS LLC	01-0452-004-04-00	11.82														
12	HILL RICKEY A	01-0452-004-01-00	4.49														
13	MOULTRIE FELIX ET AL	01-0452-002-03-00	6.62														
14	SMITH MINNIE	01-0452-002-04-00	0.59														
15	MOULTRIE LLOYD ANTHONY	01-0452-002-04-02	1.18														
16	HUGIE LESLIE ANN	01-0451-060-09-00	0.86														
17	BLUNT KENNETH L	01-0451-060-12-00	0.66														
18	JOHNSON ARTHUR LEE	01-0452-001-01-00	1.70														
19	FICO FRANK	01-0452-001-02-00	1.33														
20	SMITH THOMAS V	01-0452-001-03-00	1.13														
21	TREJO DAVID	01-0452-001-03-01	0.31														
22	MOULTRIE CREVETT	01-0452-002-01-00	1.01														
23	ADDISON GERALD	01-0452-002-05-00	5.53														
24	KNOWLIN JEFFREY	01-0452-002-00-00	3.95														
25	WASHINGTON RUTH	01-0452-002-02-00	2.88														
26	MERCER DOUGLAS M	01-0452-003-00-00	9.77														
27	SHETTY MANJUNATH S	01-0452-004-13-00	5.26														

UTILITY CONTACTS

UTILITY COMPANY	TYPE OF UTILITY	CONTACT NAME	CONTACT NUMBER
FRONTIER COMMUNICATIONS FORMERLY VERIZON	COMMUNICATIONS	ANGELA HUYCK	(843) 536-7203
SANTEE ELECTRIC COOPERATIVE INC.	POWER	ANGELA HUYCK	(843) 536-7203
GEORGETOWN COUNTY WATER & SEWER DISTRICT	WATER / SEWER	GEANENNE KELLY	(843) 436-6162
TIME WARNER - MURRELLS INLET	CABLE	ANGELA HUYCK	(843) 536-7203

* TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES OBTAINS WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS, OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.

** SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRES.

Description

Date

Revision



Engineer
M. Hines
Drawn By
S. Pollard
Checked By
M. Hines


STAKEHOLDERS
DENNIS
CORPORATION

CORNER LOOP AND BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY | SOUTH CAROLINA
JUNE 2020

Project
G0004.32
Scale
N/A
Sheet
G-004

ALIGNMENT DATA - CORNER LOOP

CHAIN	CURVE	LOCATION	STATION	NORTHING	EASTING	DELTA	TANGENT	LENGTH	RADIUS
CL									
	CL_1	PC	100+19.09	512359.9863	2486323.1658				
		PI	101+27.17	512437.7177	2486248.0746	07°18'57" LT	108.08'	215.86'	1690.6'
		PT	102+34.96	512505.2544	2486163.6965				
CL									
	CL_2	PC	103+46.22	512574.6744	2486076.7477				
		PI	104+27.03	512625.0970	248613.5933	19°13'54" LT	80.81'	160.11'	477'
		PT	105+06.33	512651.9033	2485937.3546				
CL									
	CL_3	PC	105+69.73	512672.9359	2485877.5371				
		PI	106+20.33	512689.7183	2485829.8069	13°30'53" RT	50.60'	100.72'	427'
		PT	106+70.45	513075.7606	2486019.1747				
CL									
	CL_4	PC	114+03.19	513115.0530	2485172.0132				
		PI	114+61.77	513152.9767	2485127.3574	21°44'48" RT	58.59'	115.76'	305'
		PT	115+18.95	513204.7466	2485099.9305				
CL									
	CL_5	PC	114+86.73	513710.1654	2484950.1878				
		PI	120+82.11	513744.7614	2484940.1791	13°28'07" RT	36.02'	71.70'	305'
		PT	116+36.73	513780.7370	2484938.5035				

Description					
Date					
Revision					
					
Engineer	M. Hines	Drawn By	S. Pollard	Checked By	M. Hines
ALIGNMENT DATA CORNER LOOP DENNIS CORPORATION					
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>					
Project G0004.32					
Scale					
Sheet G-005					

ALIGNMENT DATA - BELLADONNA COURT

CHAIN	CURVE	LOCATION	STATION	NORTHING	EASTING	DELTA	TANGENT	LENGTH	RADIUS
BD									
	BD_1	PC	14+56.33	512123.3320	2485924.2037				
		PI	17+18.83	511971.9989	2485709.7220	41°06'41" RT	262.50'	502.27'	700'
		PT	19+58.61	511999.0071	2485448.6191				
BD									
	BD_2	PC	19+58.61	511999.0071	2485448.6191				
		PI	21+51.68	512018.8584	2485256.5691	19°50'41" RT	193.07'	382.28'	1103.7'
		PT	23+40.88	513096.8730	2485562.1001				
BD									
	BD_3	PC	23+40.88	512102.7265	2485082.6628				
		PI	24+10.98	512131.6034	2485018.7941	25°53'07" RT	70.09'	137.79'	305'
		PT	24+78.68	512185.4664	2484973.9402				

CONTROL POINTS

#	NORTHING	EASTING	ELEVATION
1	514367.25	2484961.84	10.69
2	513084.60	2485154.96	7.86
3	512406.74	2486247.57	13.38
4	512240.25	2484870.66	8.87

Description

Date

Revision



Engineer
M. Hines
Drawn By
S. Pollard
Checked By
M. Hines

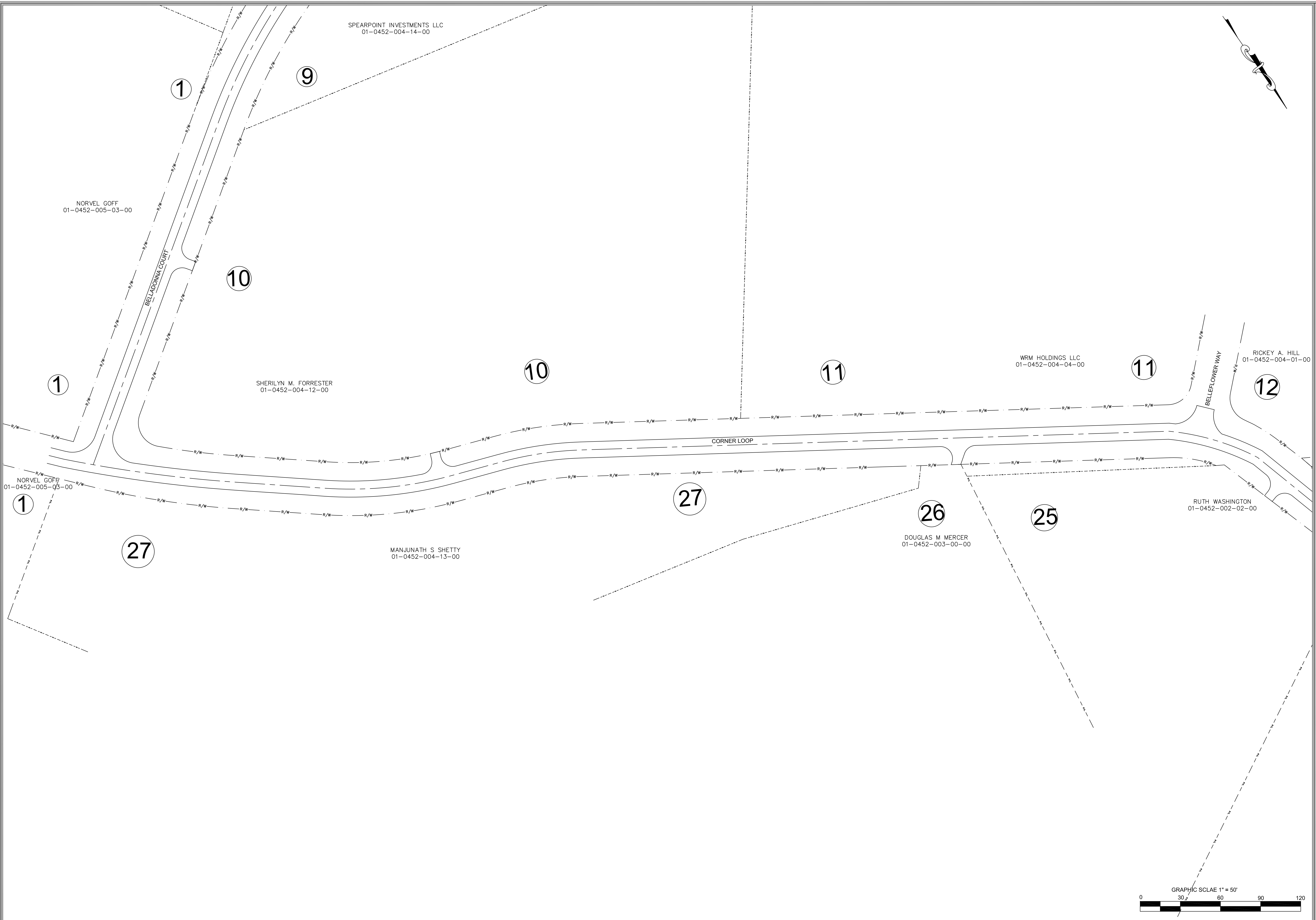
ALIGNMENT DATA
BELLADONNA COURT
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY | SOUTH CAROLINA
JUNE 2020

Project
G0004.32

Scale

Sheet
G-006



SPEARPOINT INVESTMENTS LLC
01-0452-004-14-00

NORVEL GOFF
01-0452-005-03-00

SHERILYN M. FORRESTER
01-0452-004-12-00

WRM HOLDINGS LLC
01-0452-004-04-00

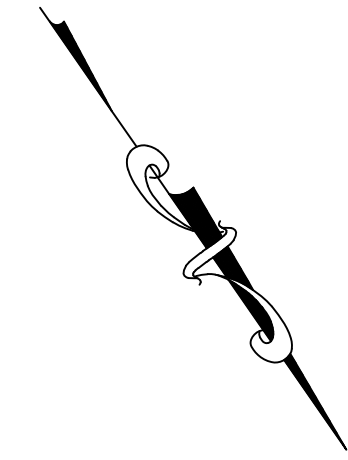
RICKEY A. HILL
01-0452-004-01-00

NORVEL GOFF
01-0452-005-03-00

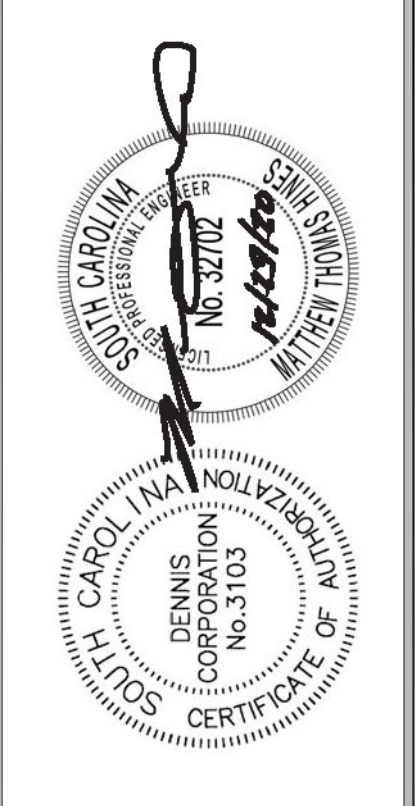
MANJUNATH S SHETTY
01-0452-004-13-00

DOUGLAS M MERCER
01-0452-003-00-00

RUTH WASHINGTON
01-0452-002-02-00



Revision	Date	Description

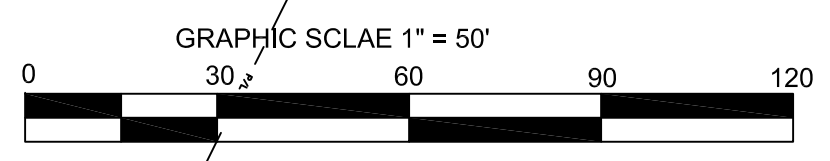


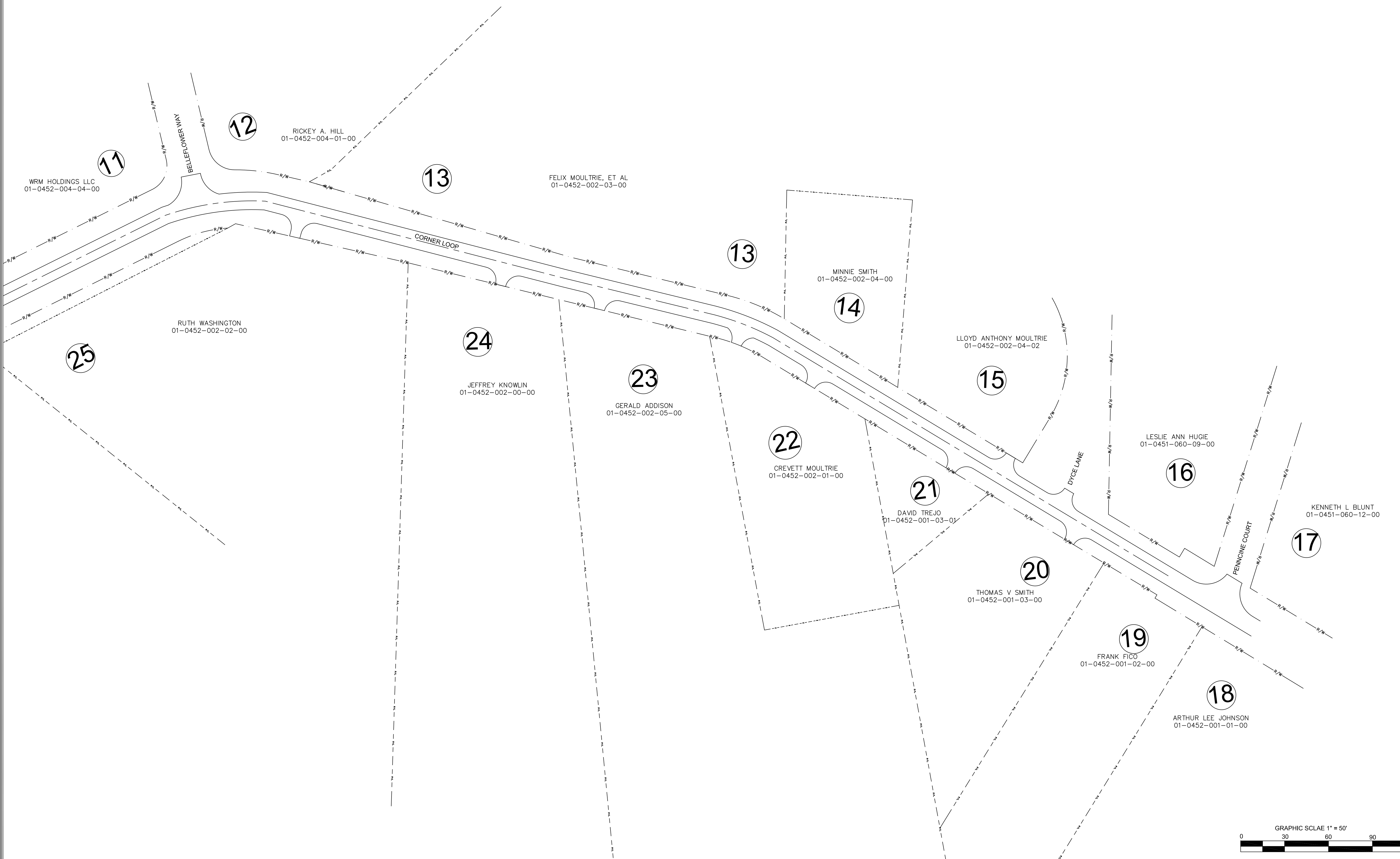
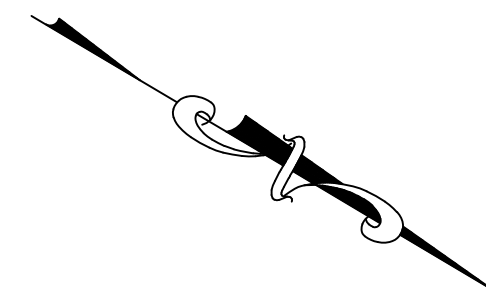
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

STRIP MAP
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
JUNE 2020
GEORGETOWN COUNTY | SOUTH CAROLINA

Project
G0004.32
Scale
1" = 50'
Sheet
G-101





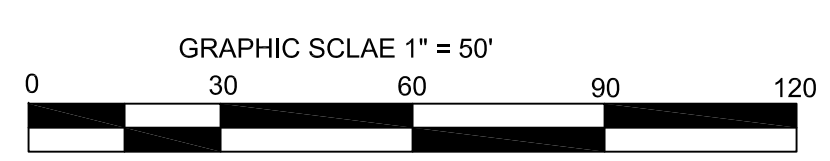
Revision	Date	Description

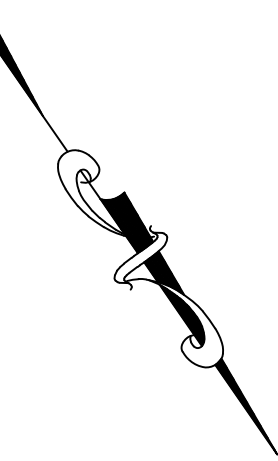
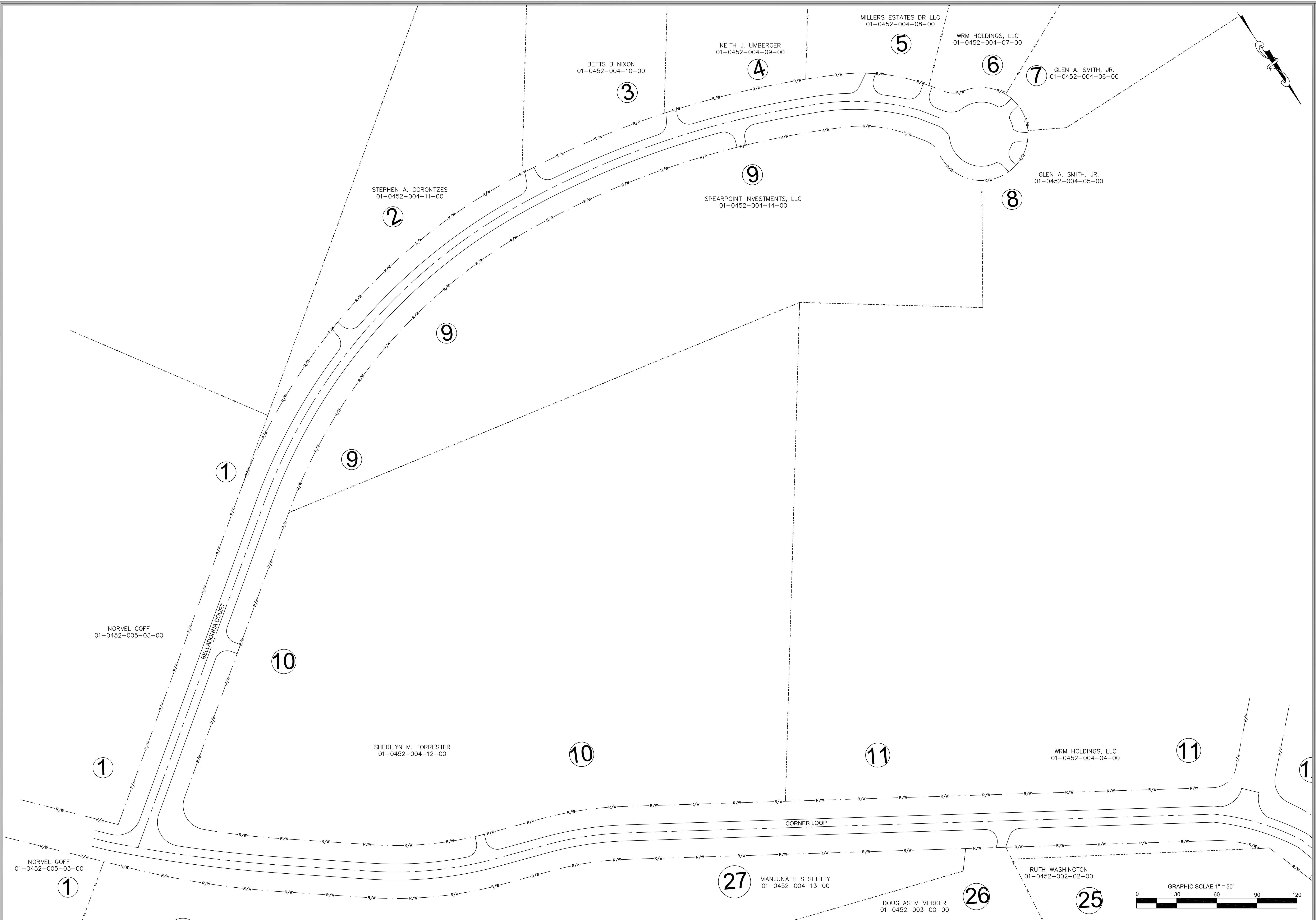
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

STRIP MAP
DENNIS
 CORPORATION

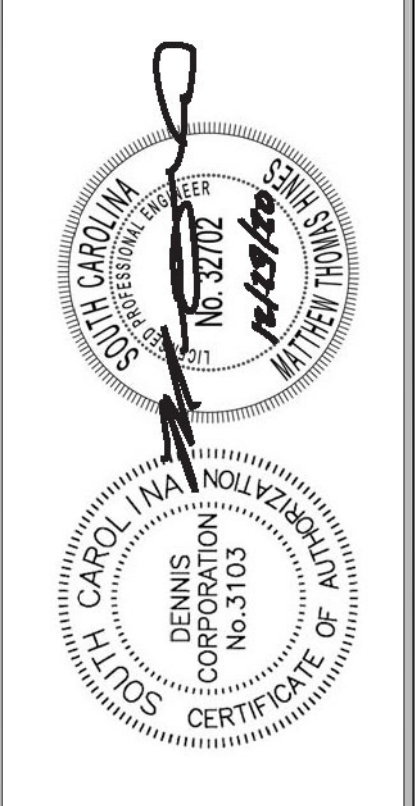
CORNER LOOP AND BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY | SOUTH CAROLINA
 JUNE 2020

Project
G0004.32
 Scale
1" = 50'
 Sheet
G-102





Description	Date	Revision

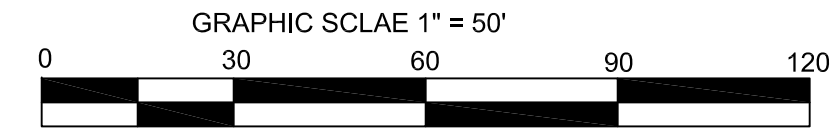


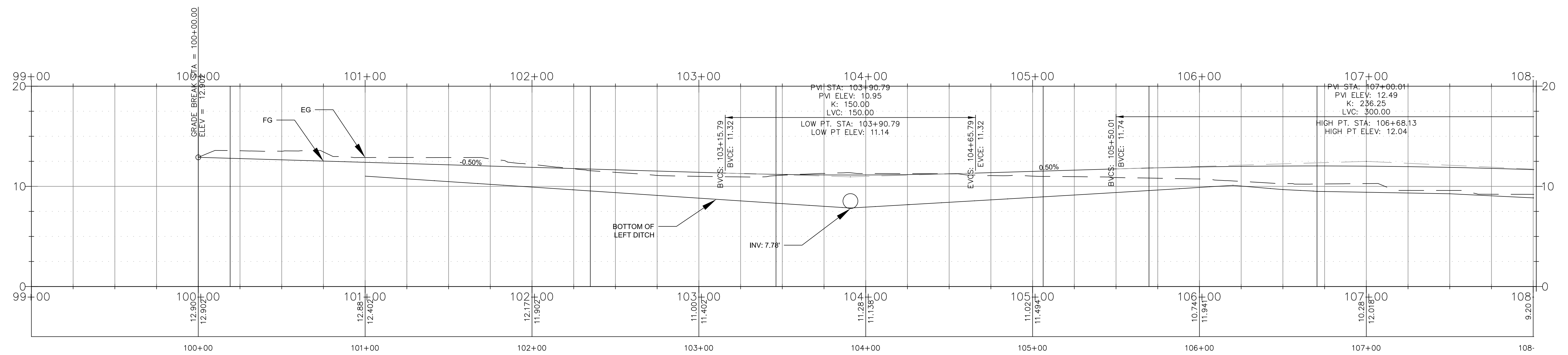
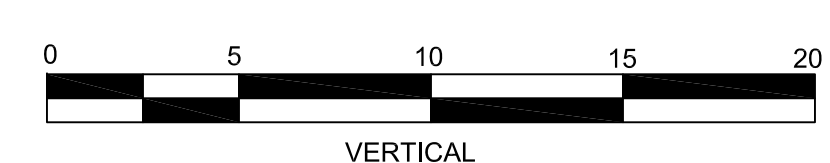
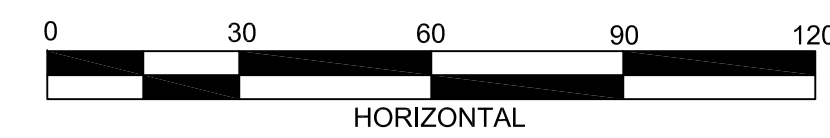
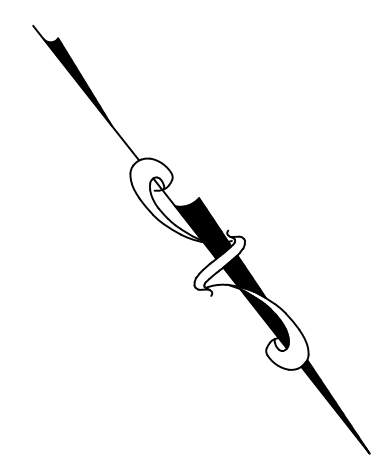
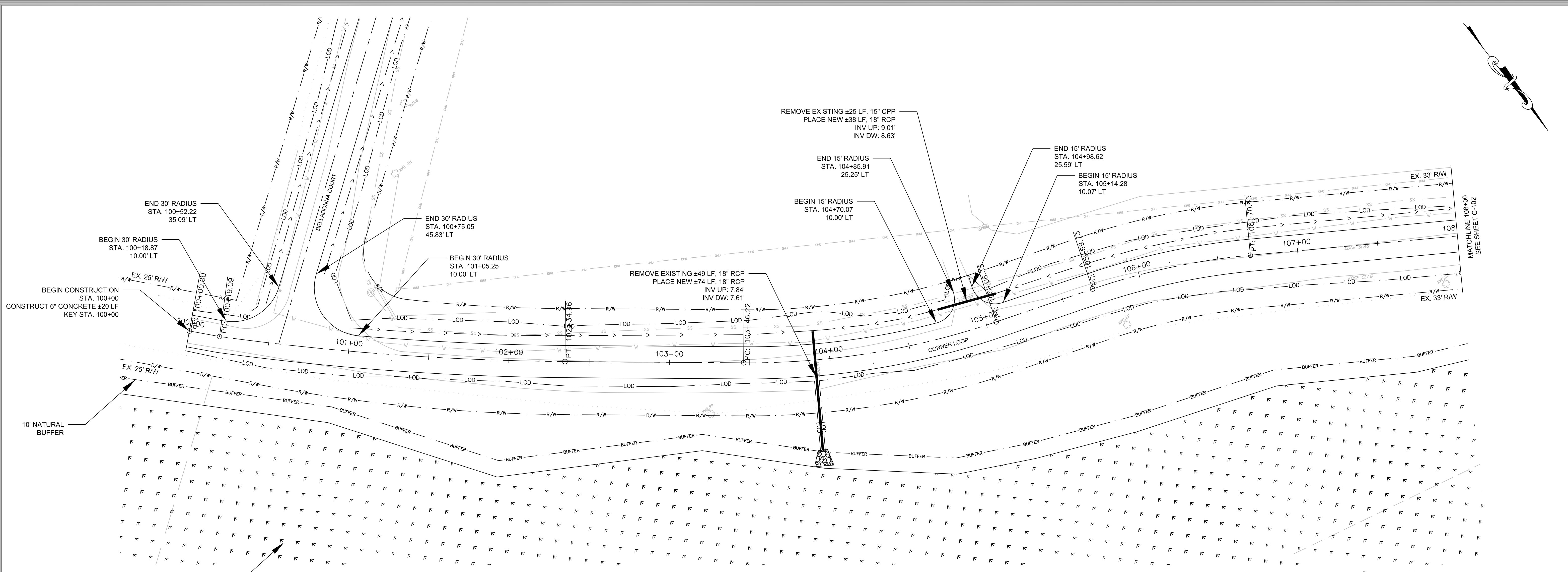
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

STRIP MAP
DENNIS
 CORPORATION

CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project G0004.32
 Scale 1" = 50'
 Sheet G-103





Revision	Date	Description

Engineer	M. Hines	Drawn By	S. Pollard	Checked By	M. Hines
----------	----------	----------	------------	------------	----------

PLAN & PROFILE

CORNER LOOP

DENNIS

CORPORATION

CORNER LOOP AND BELLADONNA

for

GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA

Project

G0004.32

Scale

1" = 30'

Sheet

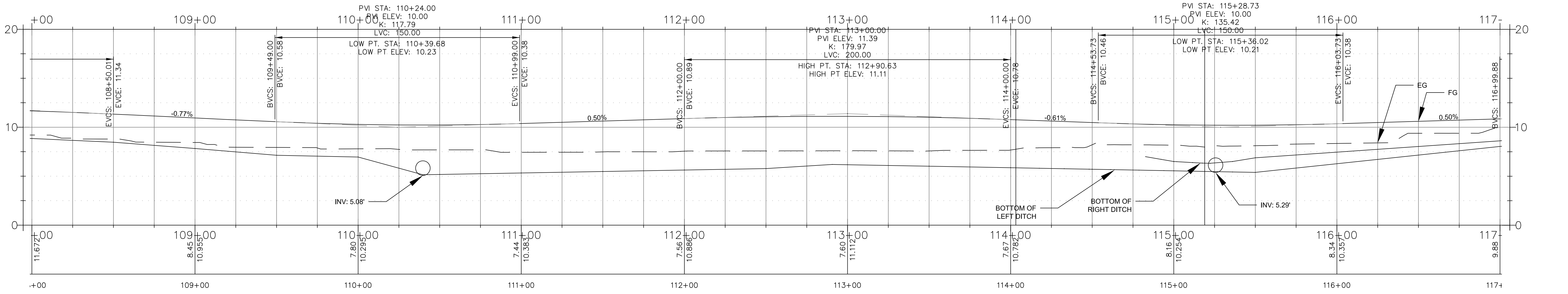
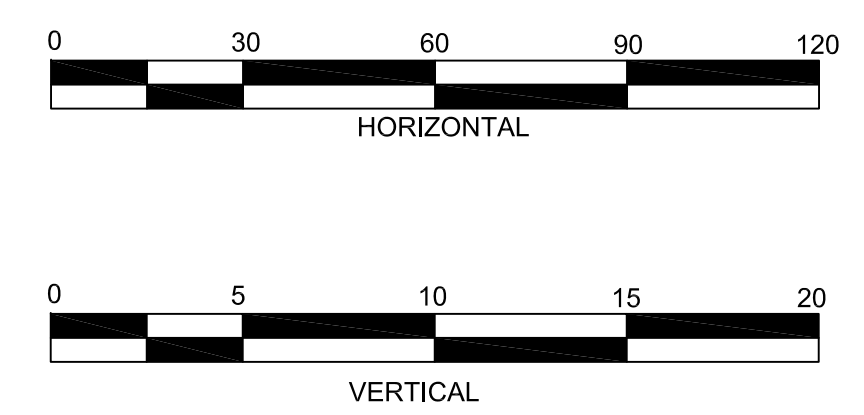
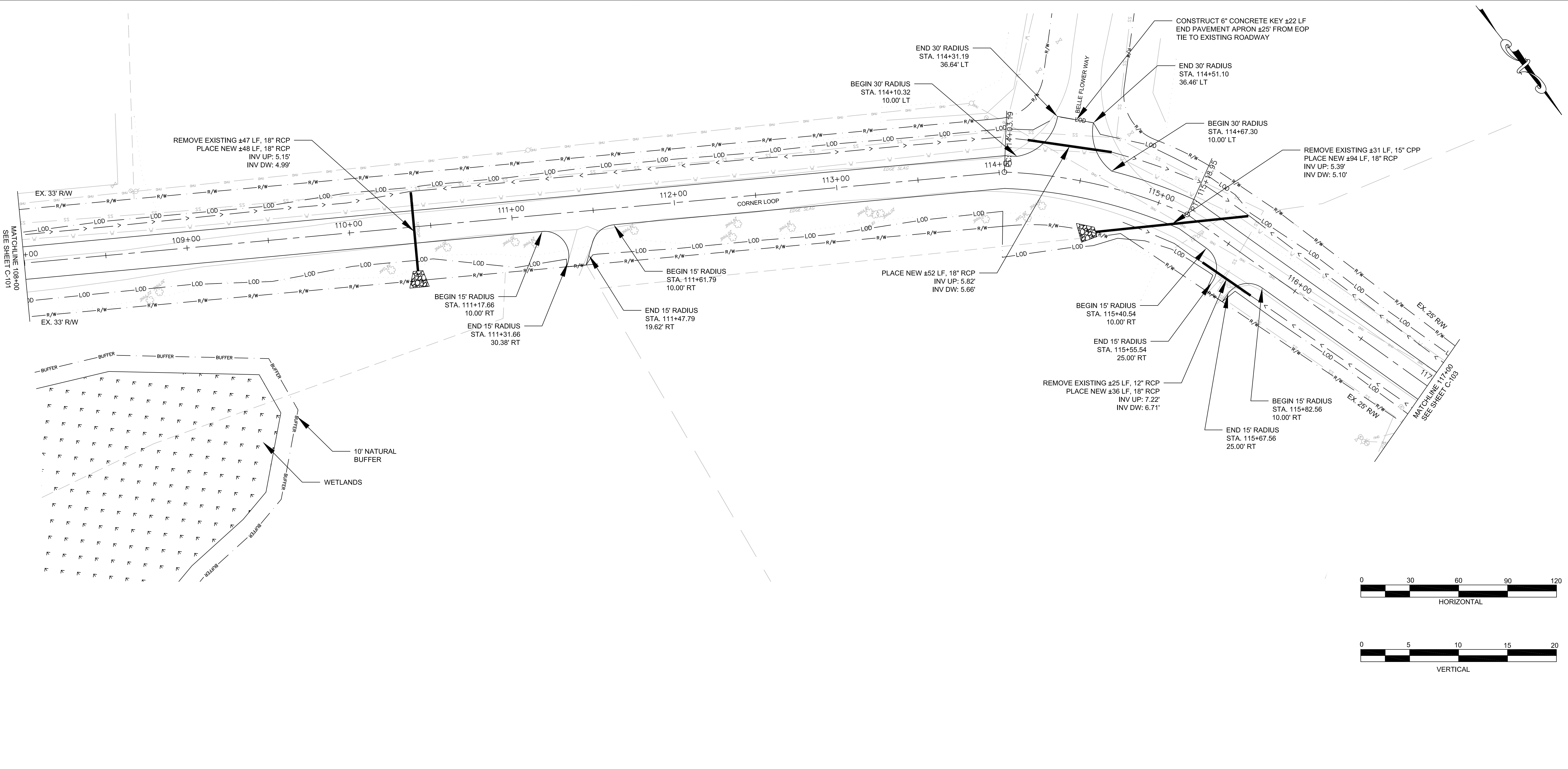
C-101

Project G0004.32

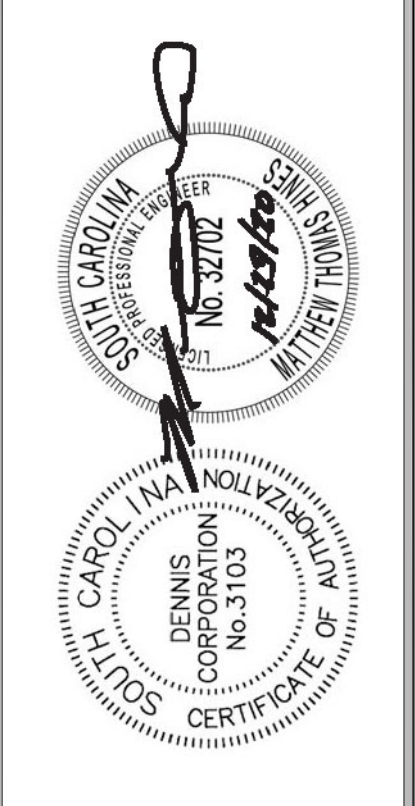
Scale 1" = 30'

Sheet C-101

JUNE 2020



Revision	Date	Description

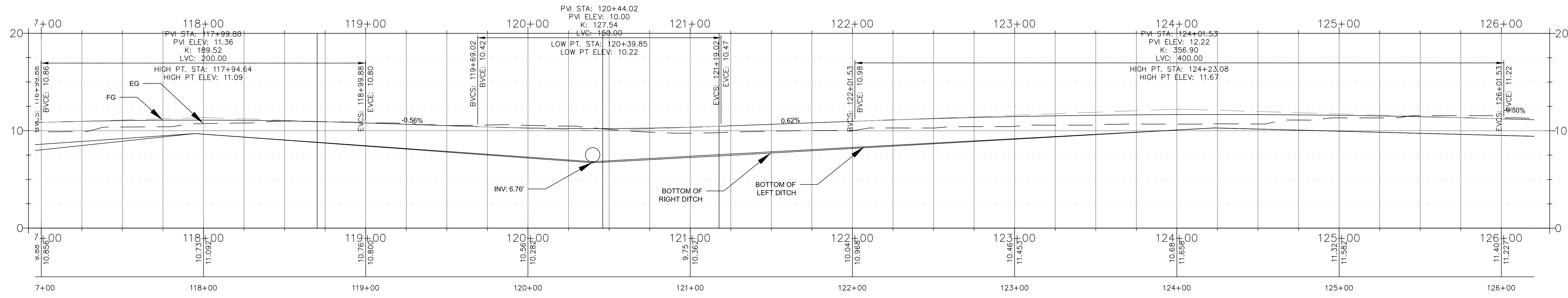
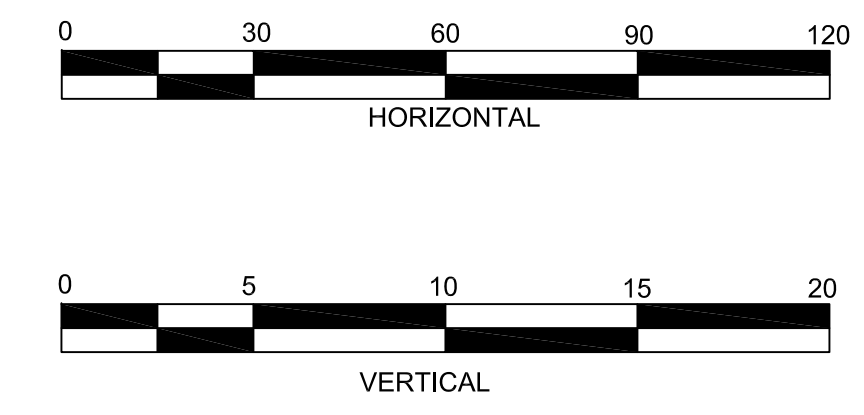
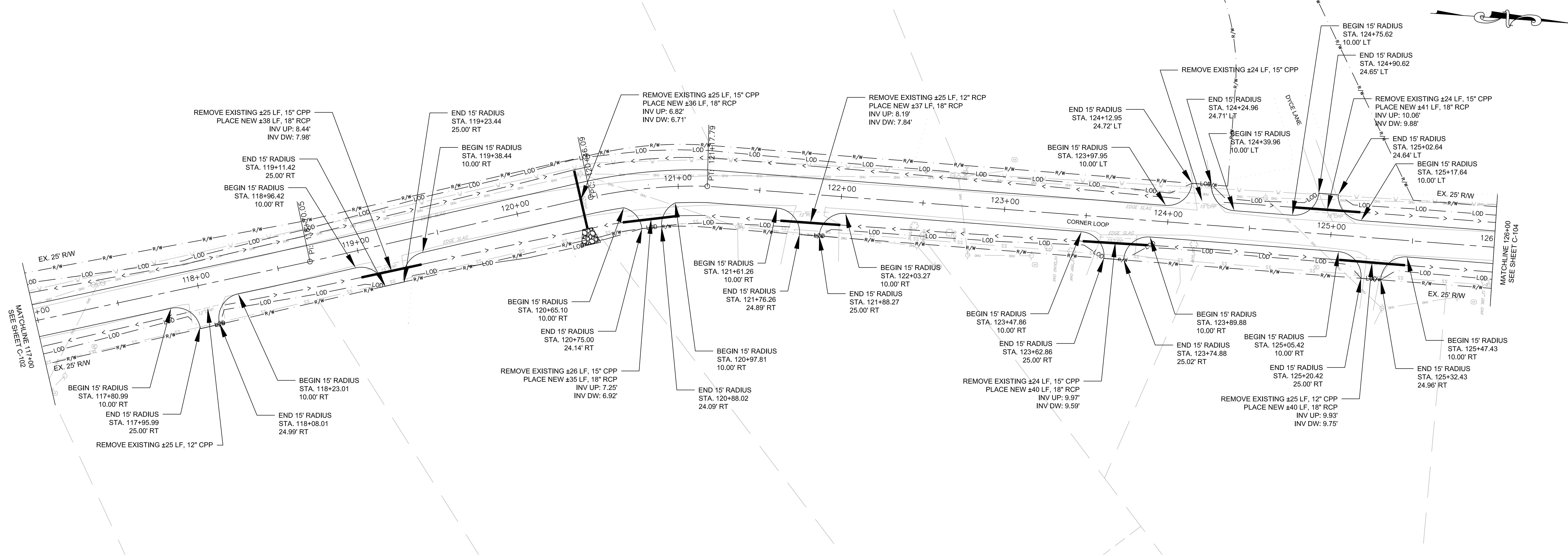


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

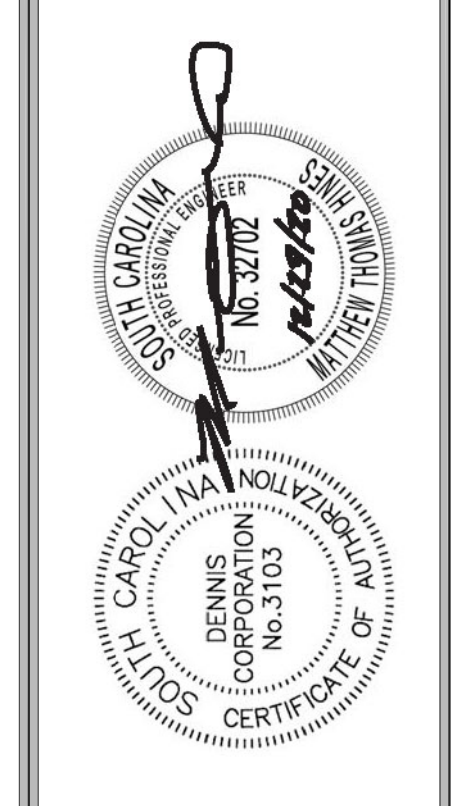
PLAN & PROFILE
 CORNER LOOP
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 JUNE 2020

Project
G0004.32
 Scale
1" = 30'
 Sheet
C-102



Revision	Date	Description



Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

PLAN & PROFILE
CORNER LOOP

DENNIS
CORPORATION

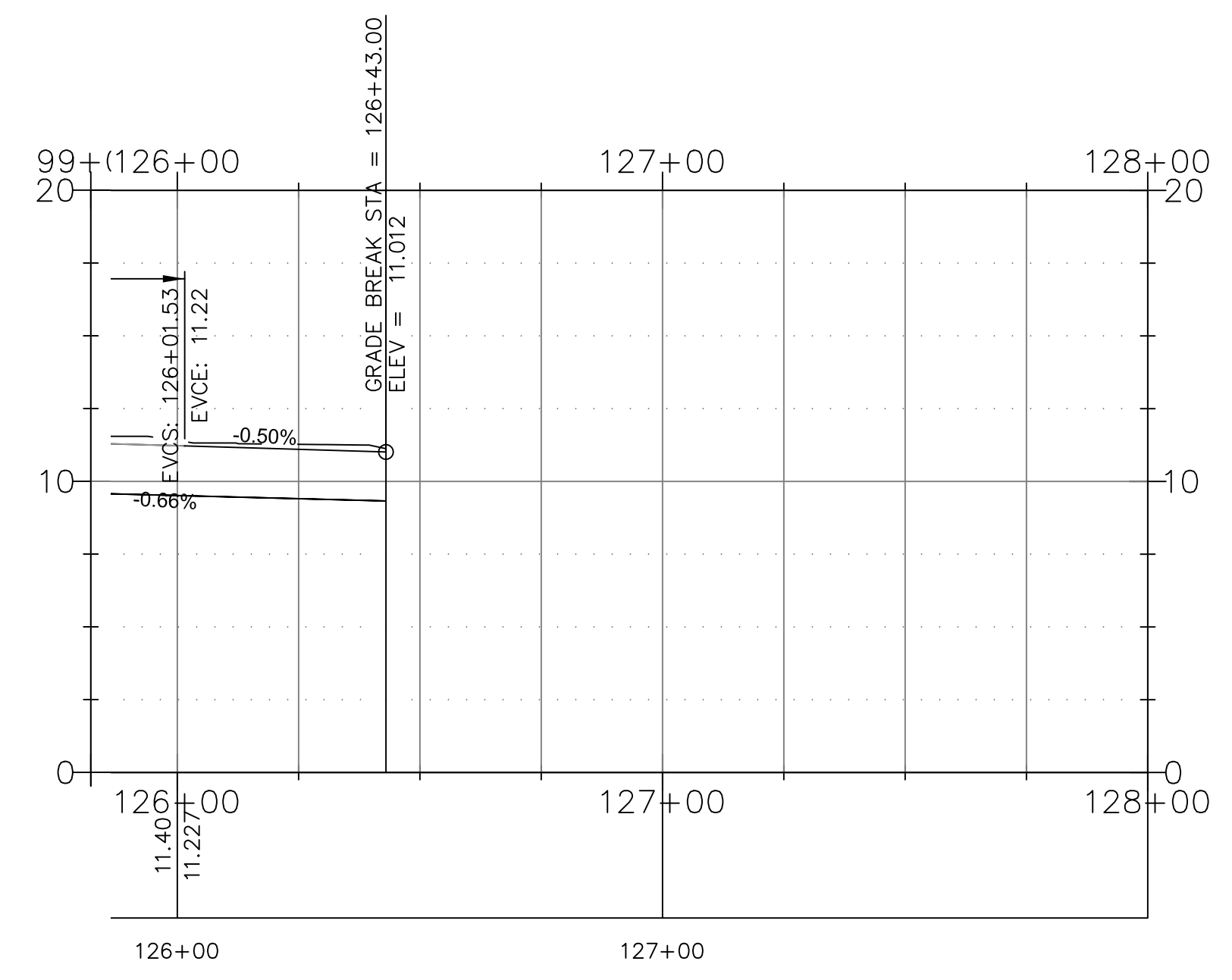
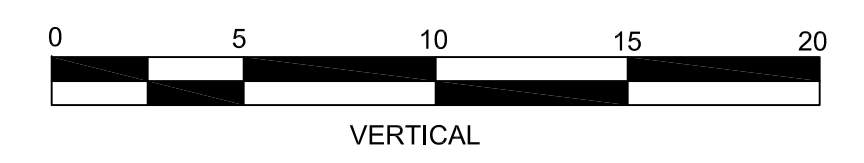
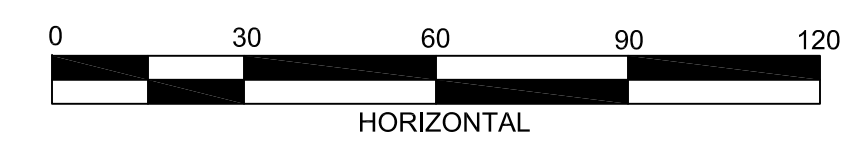
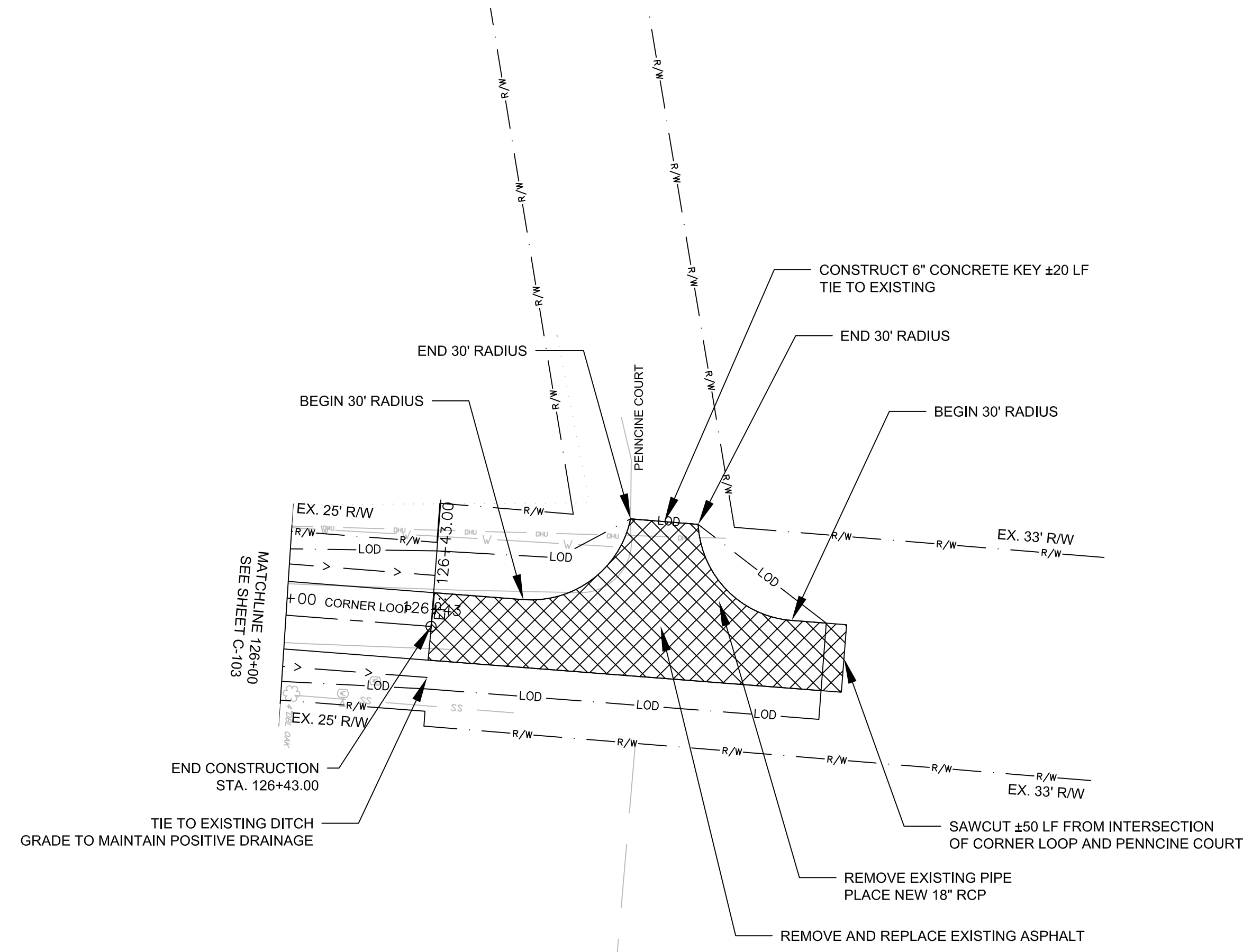
CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

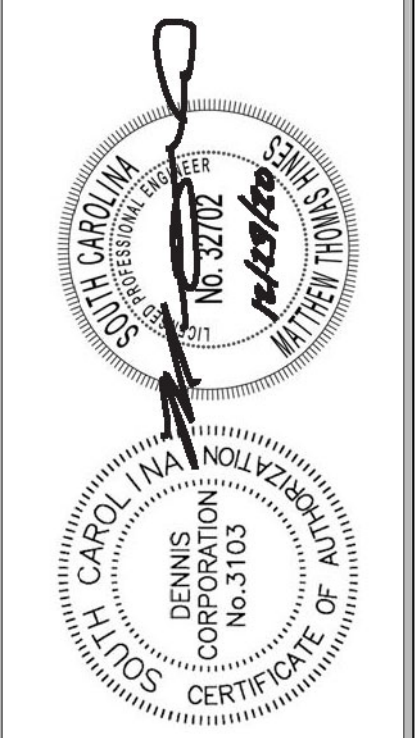
Project
G0004.32

Scale
1" = 30'

Sheet
C-103



Revision	Date	Description

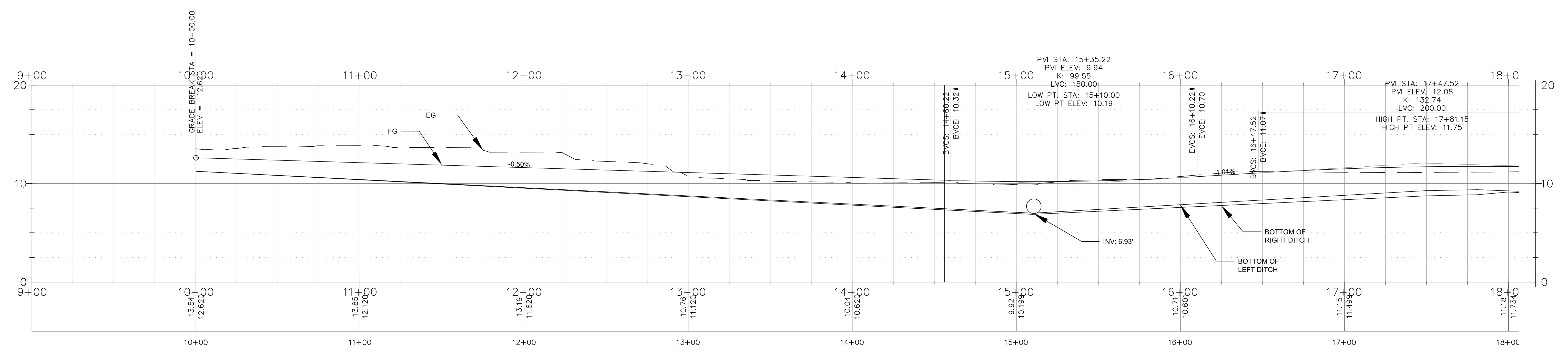
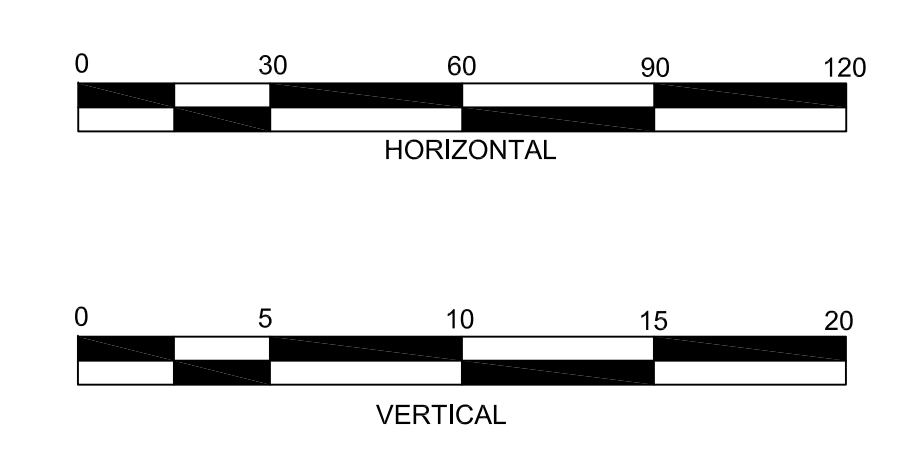
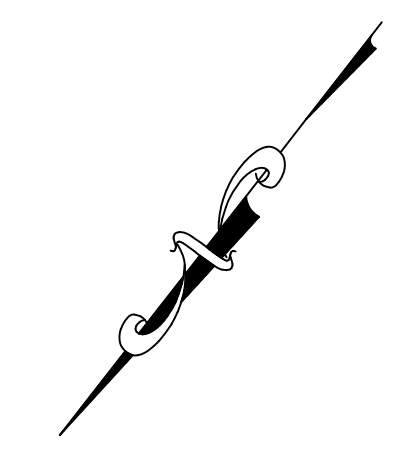
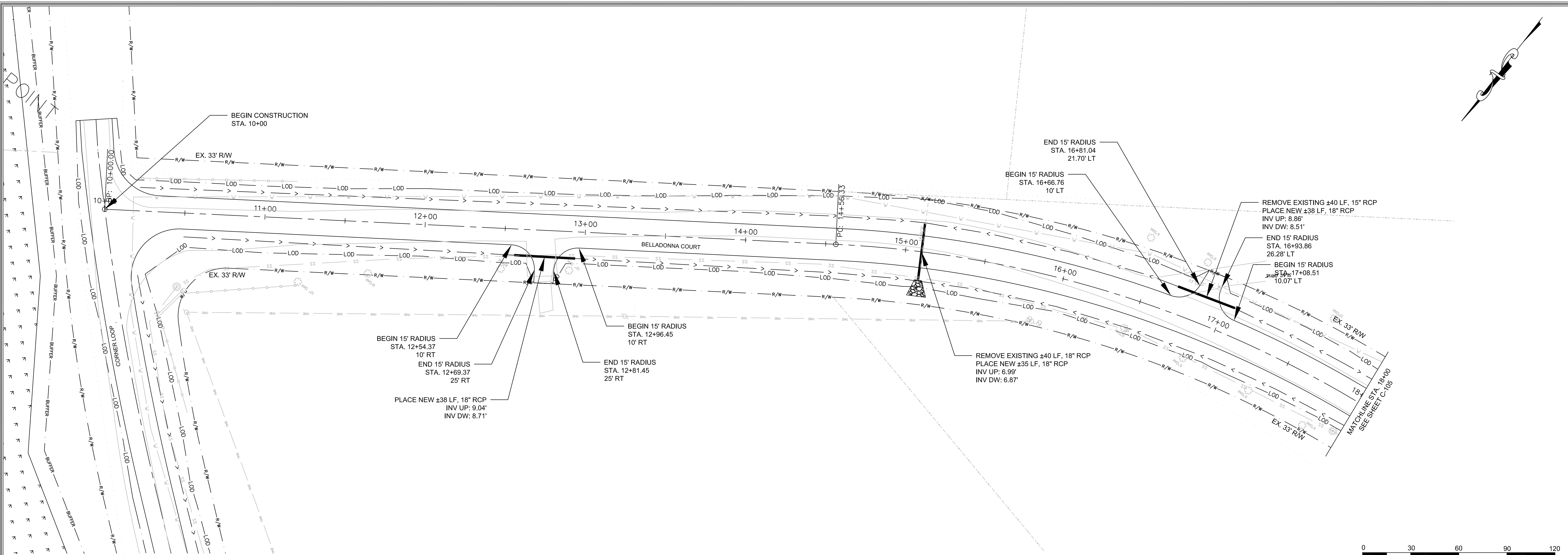


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

PLAN & PROFILE
 CORNER LOOP
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY | SOUTH CAROLINA
 JUNE 2020

Project: G0004.32
 Scale: 1" = 30'
 Sheet: C-104



Revision	Date	Description

Engineer	M. Hines	Drawn By	S. Pollard	Checked By	M. Hines
----------	----------	----------	------------	------------	----------

PLAN & PROFILE

BELLADONNA

DENNIS

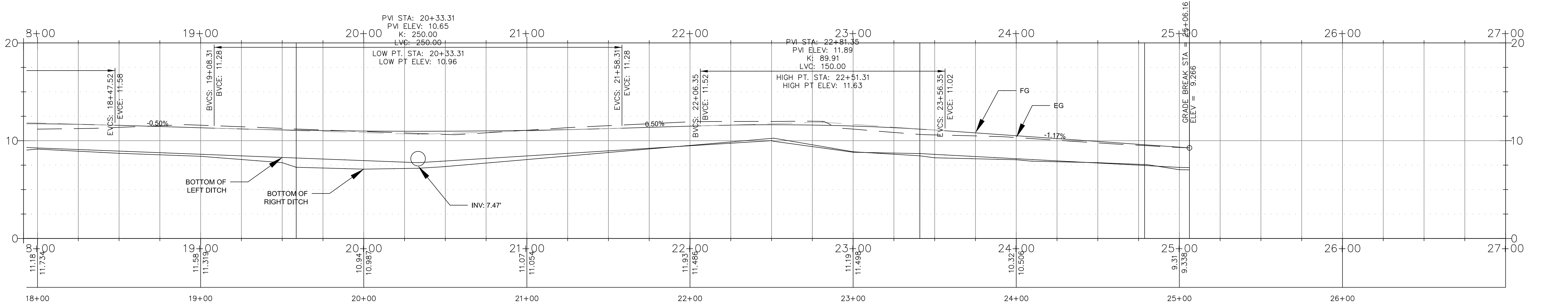
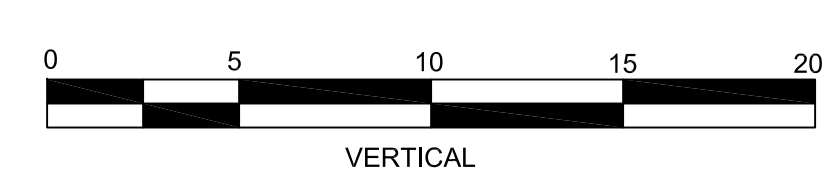
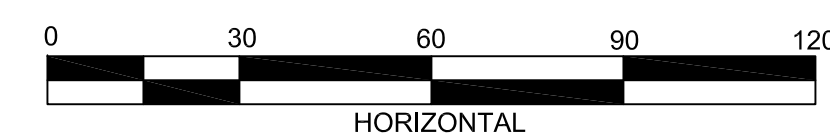
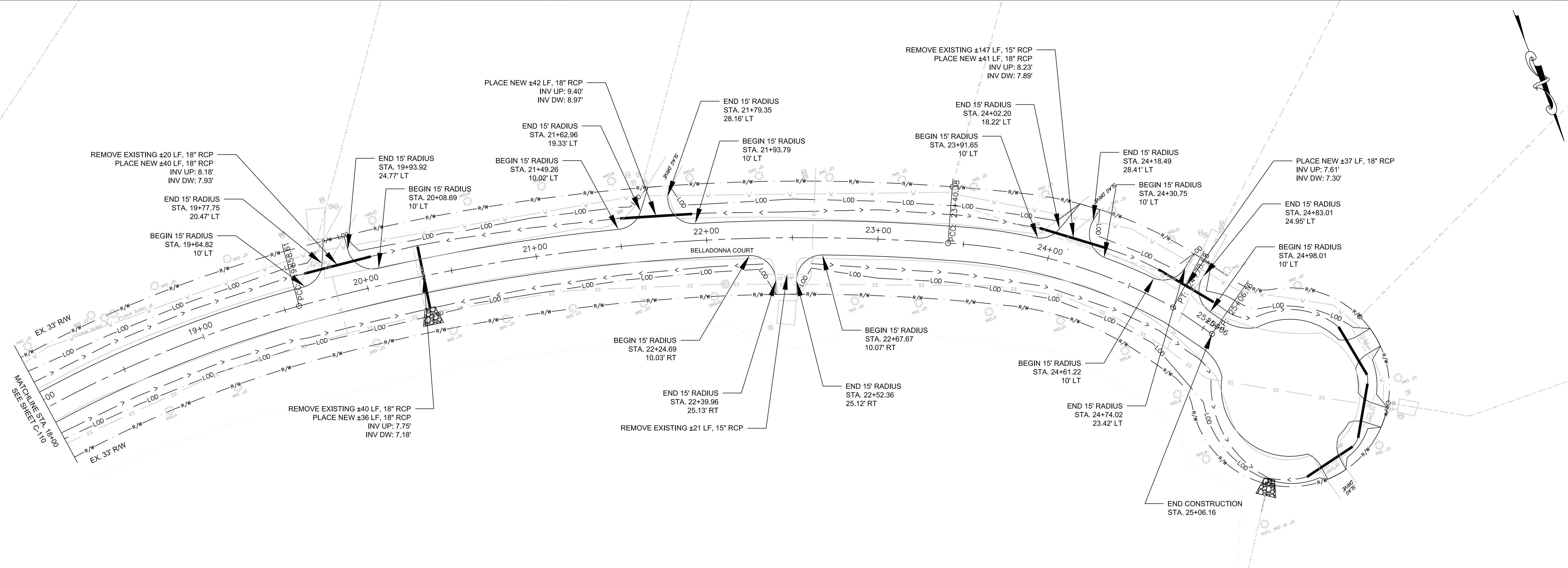
CORPORATION

CORNER LOOP AND BELLADONNA

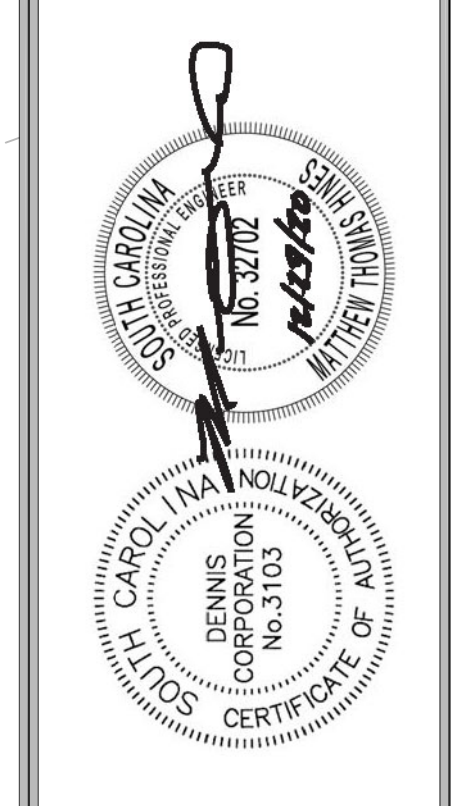
for GEORGETOWN COUNTY SOUTH CAROLINA

JUNE 2020

Project	G0004.32
Scale	1" = 30'
Sheet	C-105



Revision	Date	Description



Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

PLAN & PROFILE
BELLADONNA

DENNIS
CORPORATION

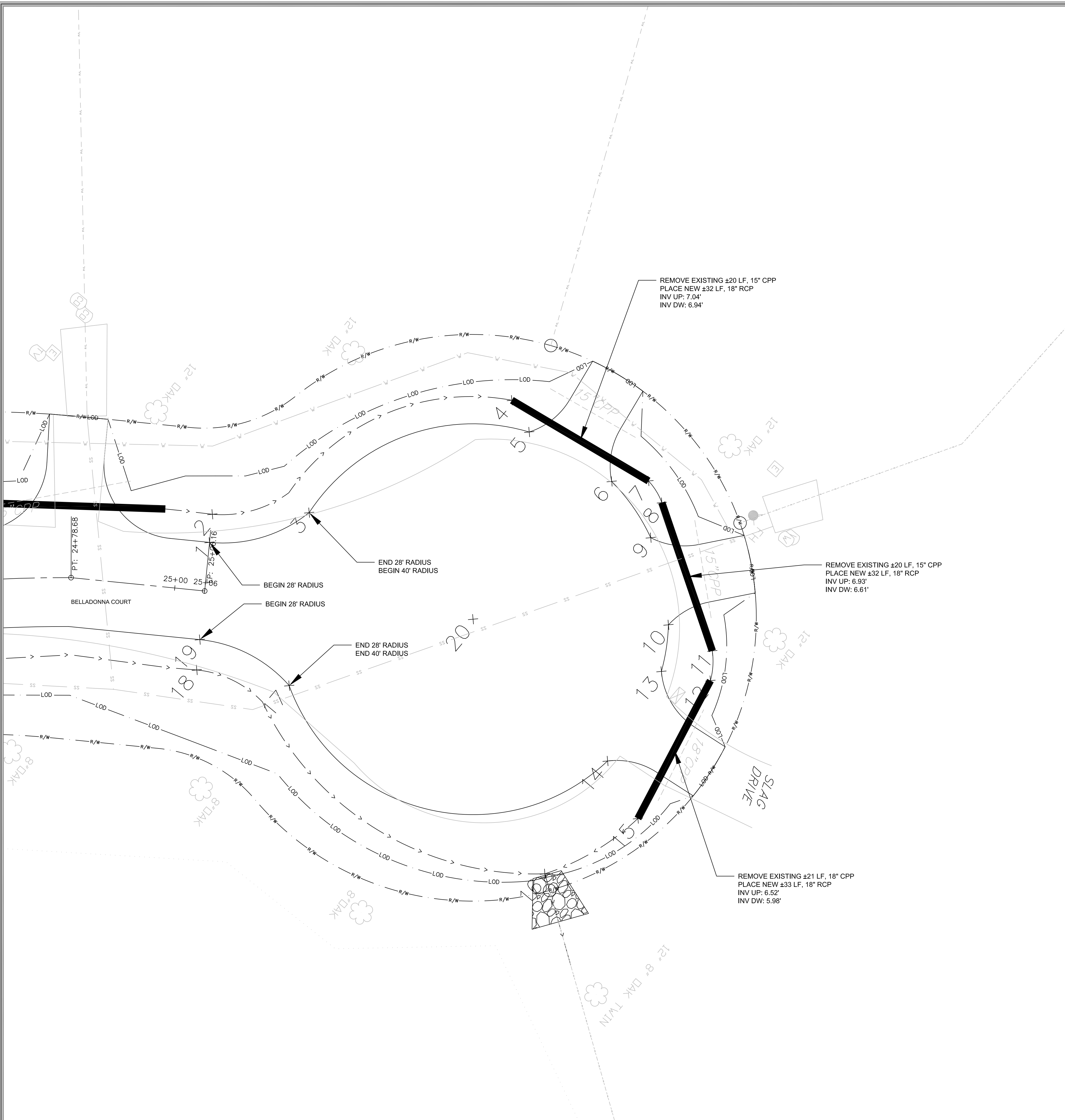
CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

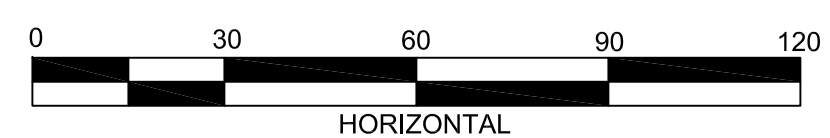
Project
G0004.32

Scale
1" = 30'

Sheet
C-106



POINT NUMBER	NORTHING	EASTING	ELEVATION
1	512202.534	2484950.196	9.06
2	512199.275	2484945.418	7.25
3	512214.238	2484932.428	8.99
4	512231.224	2484888.152	7.04
5	512238.118	2484890.849	8.77
6	512257.545	2484887.748	8.70
7	512263.261	2484882.833	6.94
8	512268.198	2484884.473	6.93
9	512271.070	2484891.437	8.64
10	512285.314	2484902.768	8.60
11	512295.614	2484901.081	6.60
12	512299.234	2484905.985	6.52
13	512290.345	2484911.002	8.58
14	512293.687	2484932.117	8.54
15	512306.005	2484937.146	5.98
16	512298.700	2484958.049	5.89
17	512233.865	2484962.181	8.99
18	512217.320	2484971.876	7.02
19	512213.803	2484966.719	9.06
20	512253.944	2484927.585	9.30



Project
G0004.32

Scale
1" = 30'

Sheet
C-107

for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA

DENNIS
CORPORATION

PLAN & PROFILE
BELLADONNA

Engineer
M. Hines

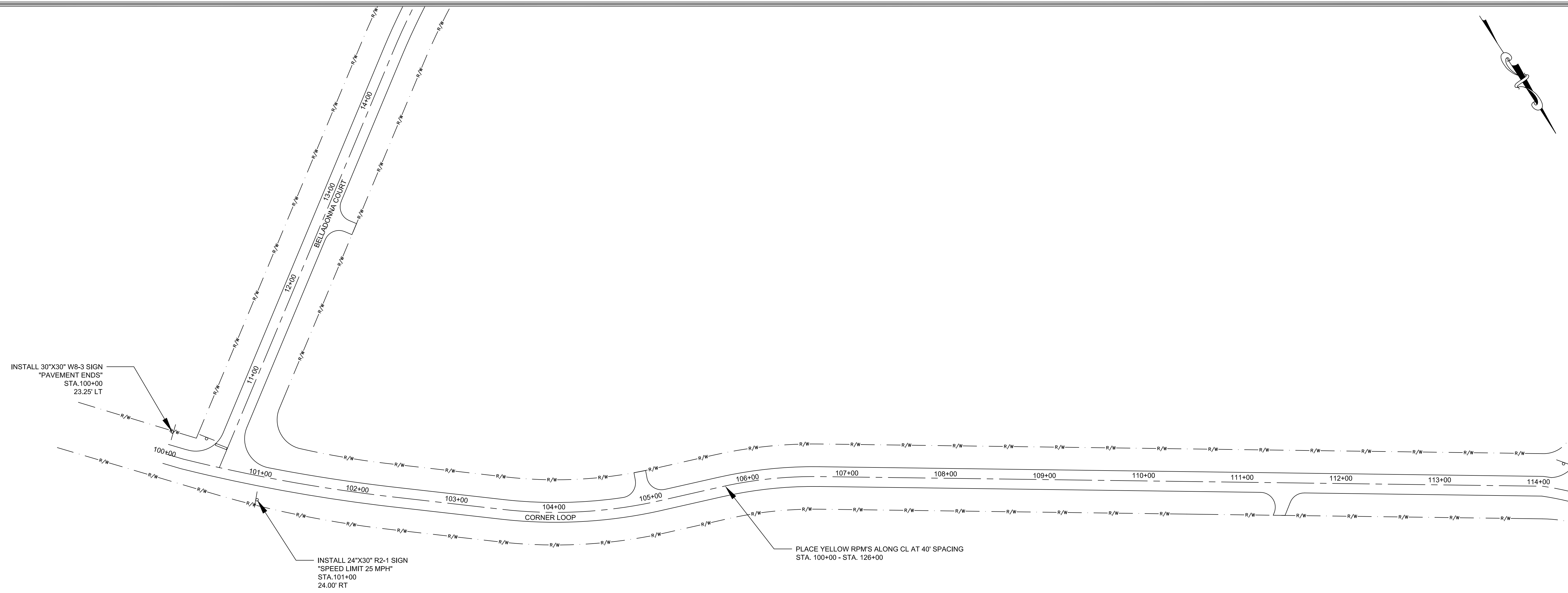
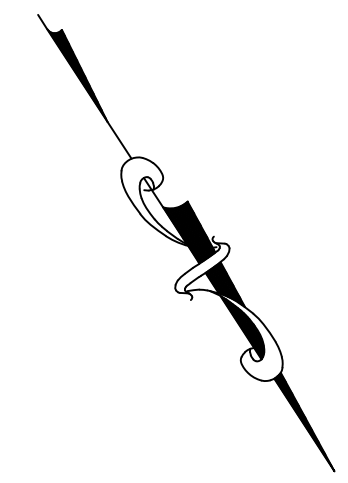
Drawn By
S. Pollard

Checked By
M. Hines

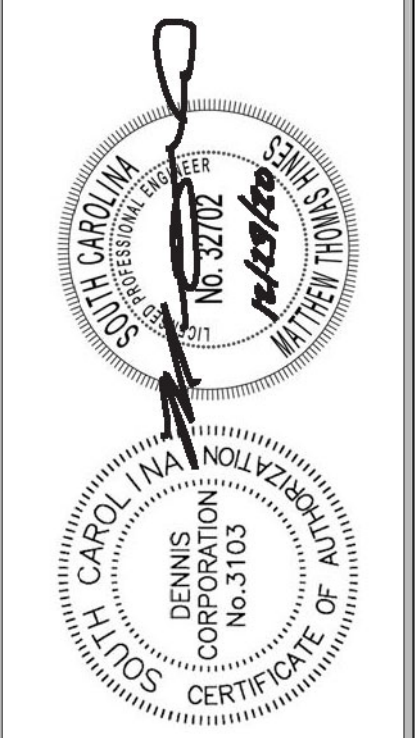
REVISIONS

DATE

DESCRIPTION



Revision	Date	Description



Engineer
M. Hines

Drawn By
S. Pollard

Checked By
M. Hines

CORNER LOOP AND BELLADONNA SIGNAGE AND STRIPING PLAN

DENNIS
CORPORATION

CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY

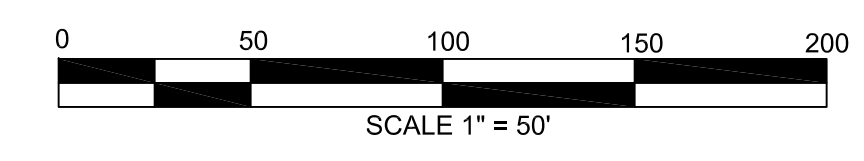
GEORGETOWN COUNTY | SOUTH CAROLINA

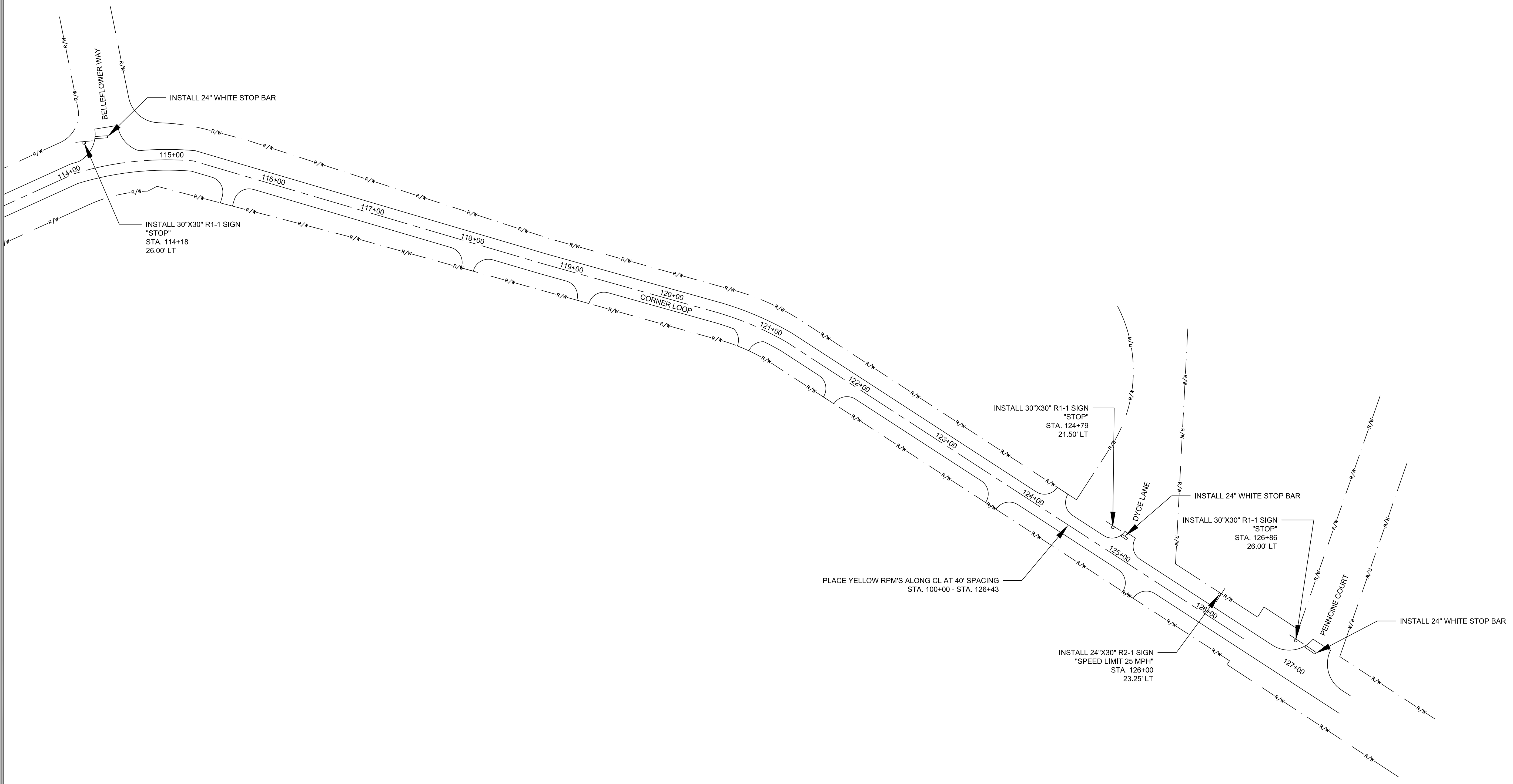
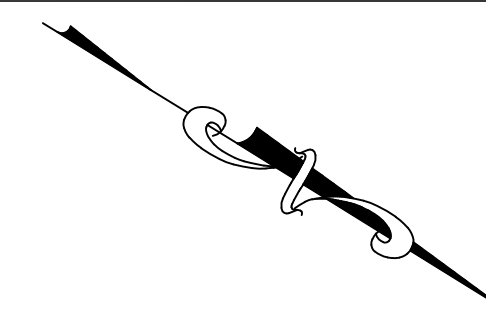
JUNE 2020

Project
G0004.32

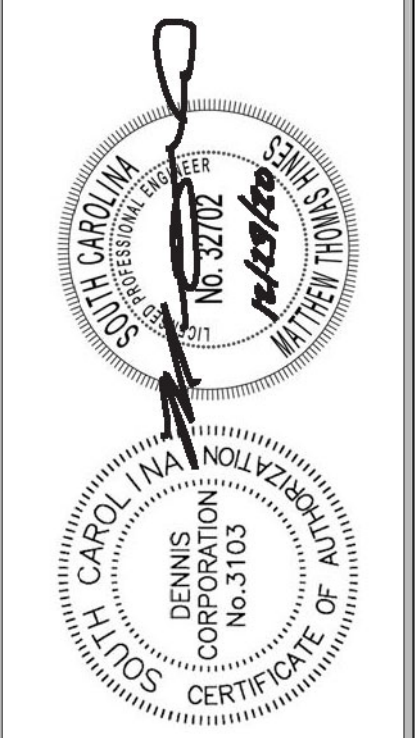
Scale
1" = 50'

Sheet
C-108





Revision	Date	Description

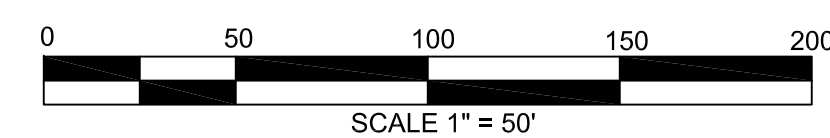


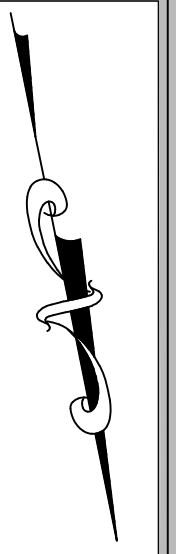
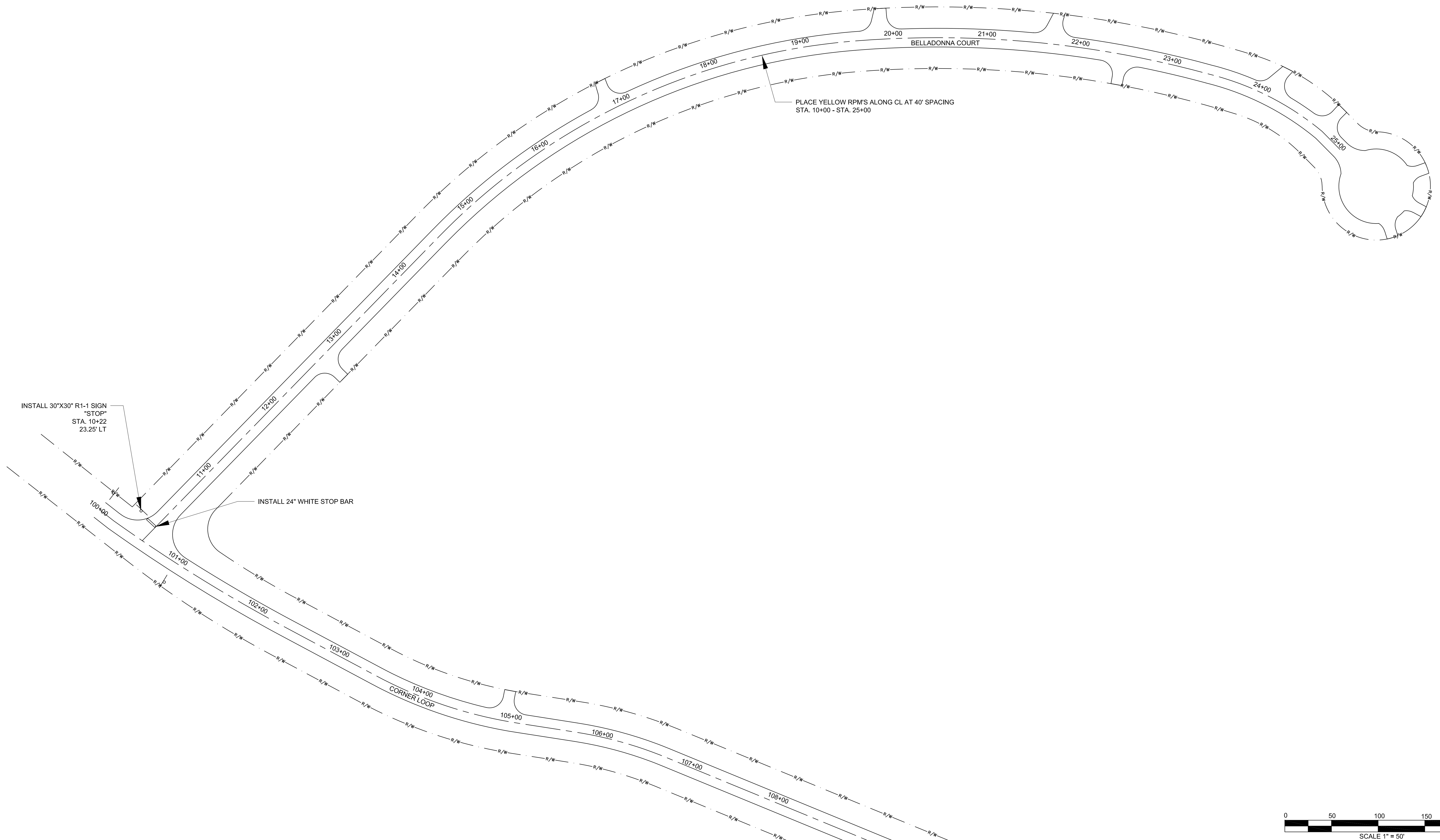
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CORNER LOOP AND STRIPING PLAN
DENNIS CORPORATION

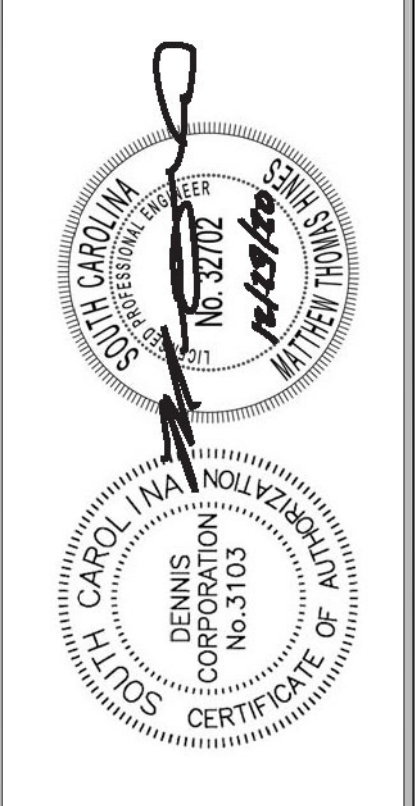
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY
 SOUTH CAROLINA
 JUNE 2020

Project G0004.32
 Scale 1" = 50'
 Sheet C-109





Revision	Date	Description

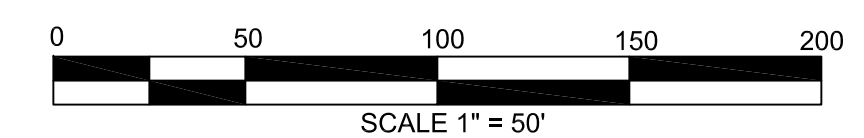


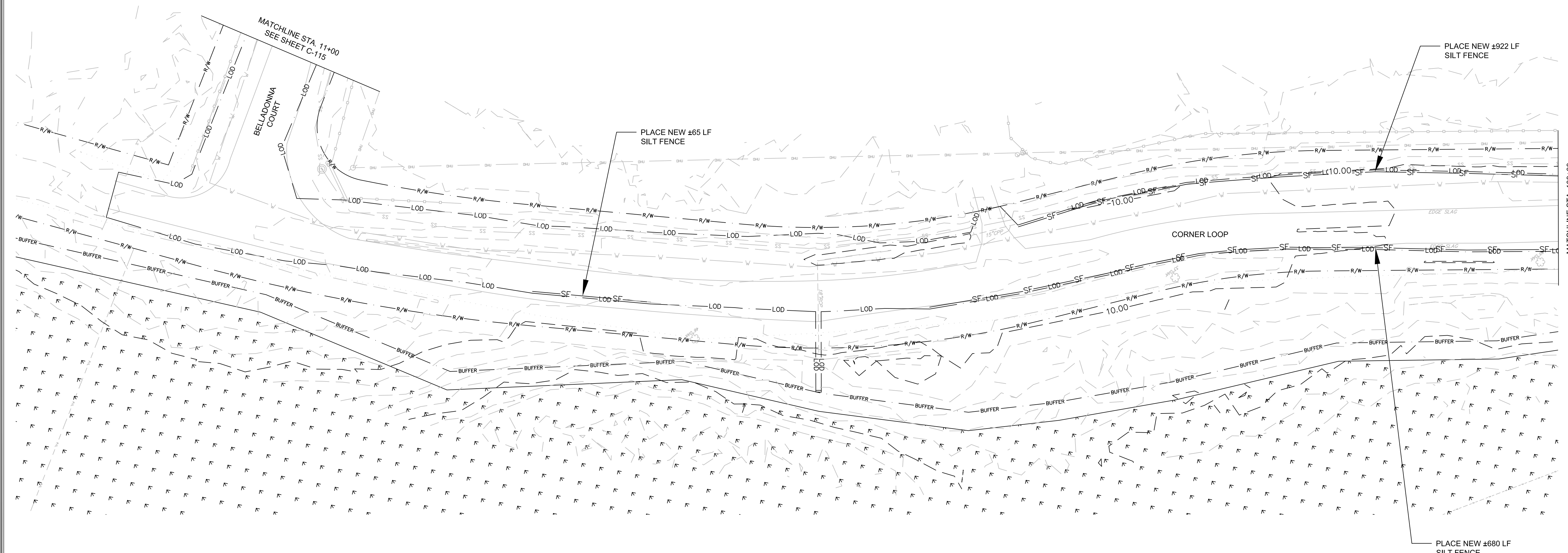
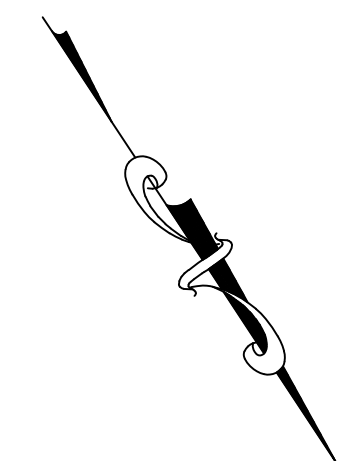
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

BELLADONNA
 SIGNAGE AND STRIPING
 PLAN
DENNIS
 CORPORATION

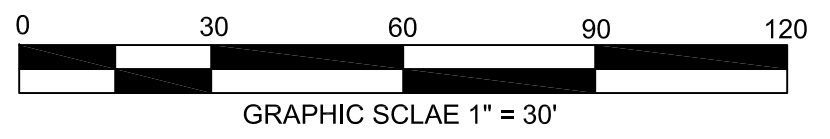
CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 SOUTH CAROLINA

Project
G0004.32
 Scale
1" = 50'
 Sheet
C-110

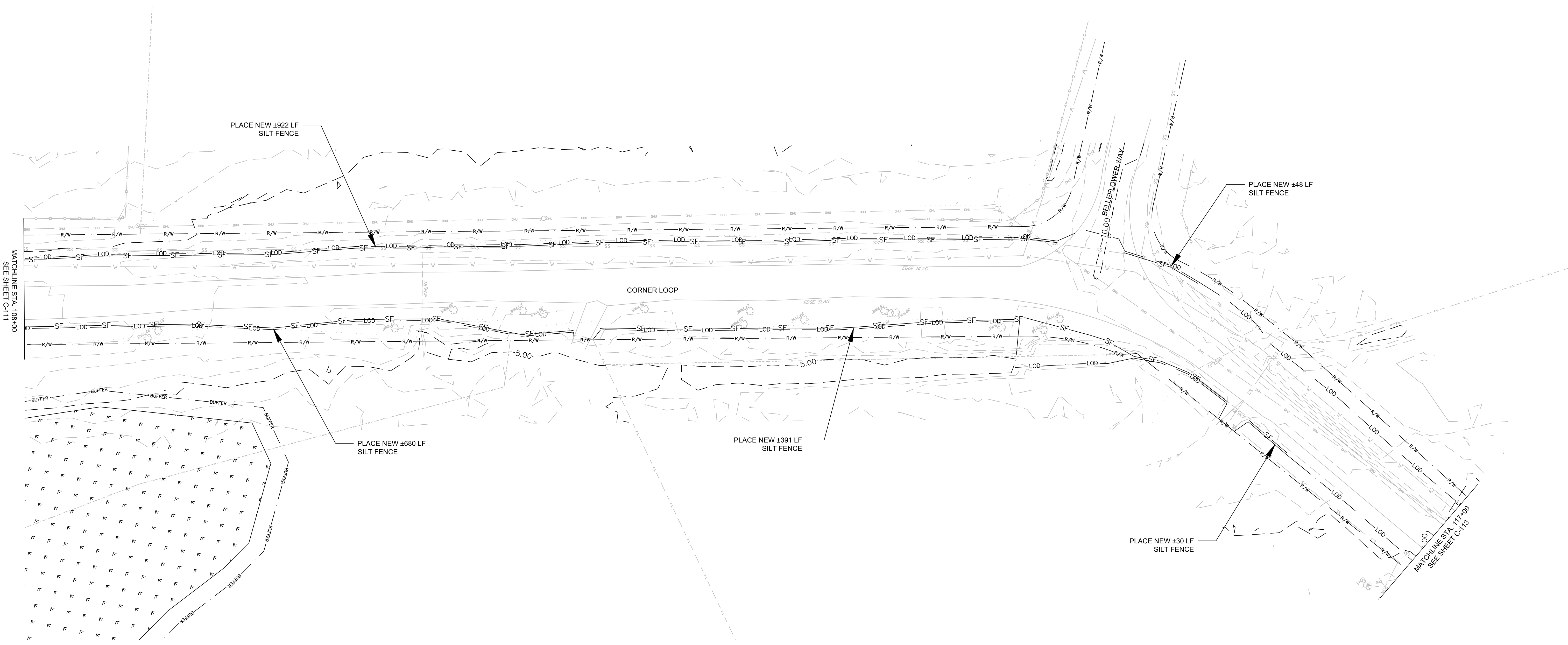
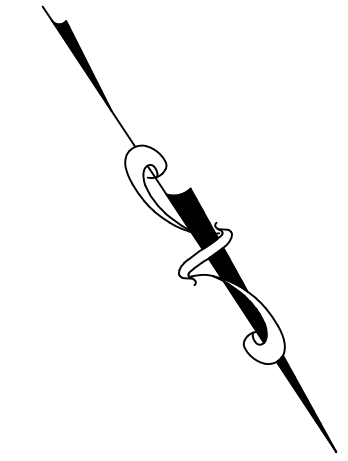




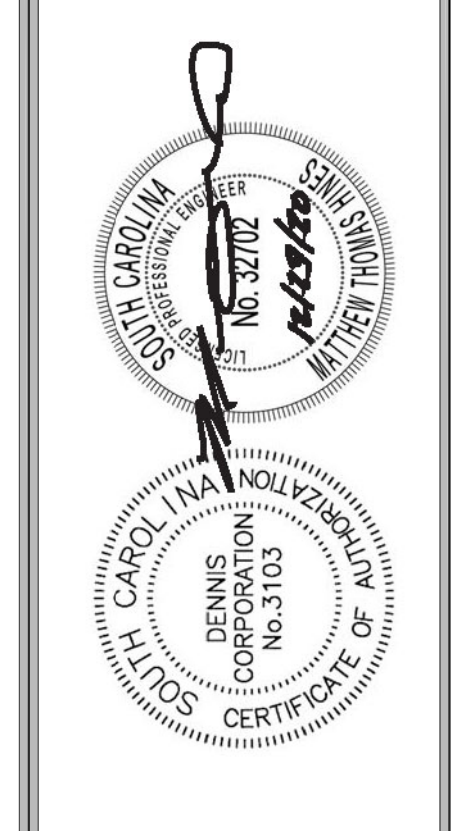
MATCHLINE STA. 108+00
SEE SHEET C-112



Description	
Date	
Revision	
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines
EROSION CONTROL PHASE I INITIAL LAND DISTURBANCE DENNIS CORPORATION	
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>	
Project G0004.32	
Scale 1" = 30'	
Sheet C-111	
JUNE 2020	



Revision	Date	Description

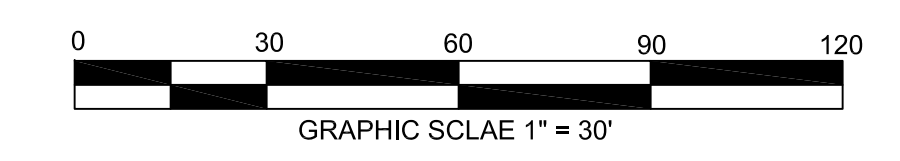


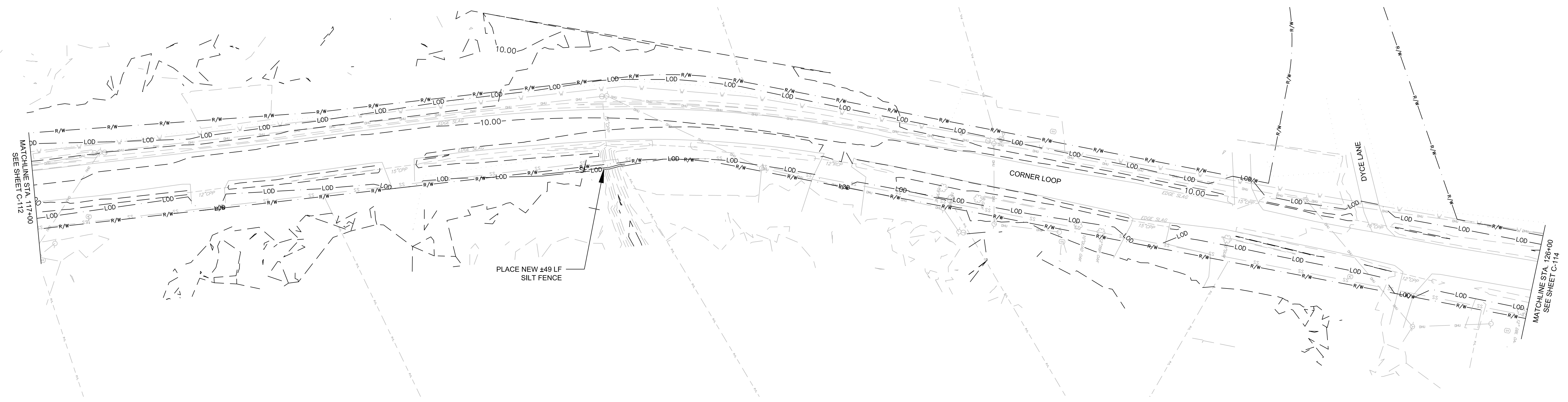
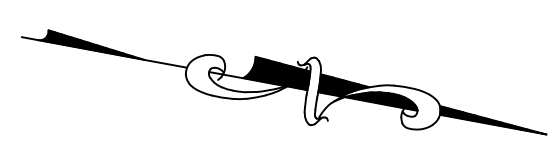
Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

EROSION CONTROL
 PHASE I
 INITIAL LAND DISTURBANCE
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA

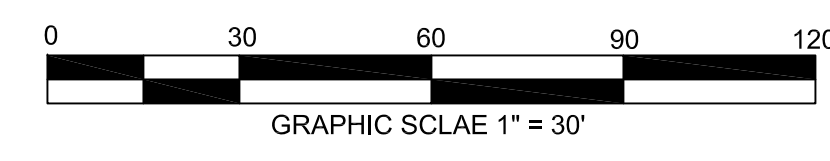
Project: G0004.32
 Scale: 1" = 30'
 Sheet: C-112







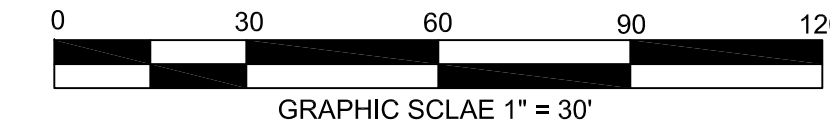
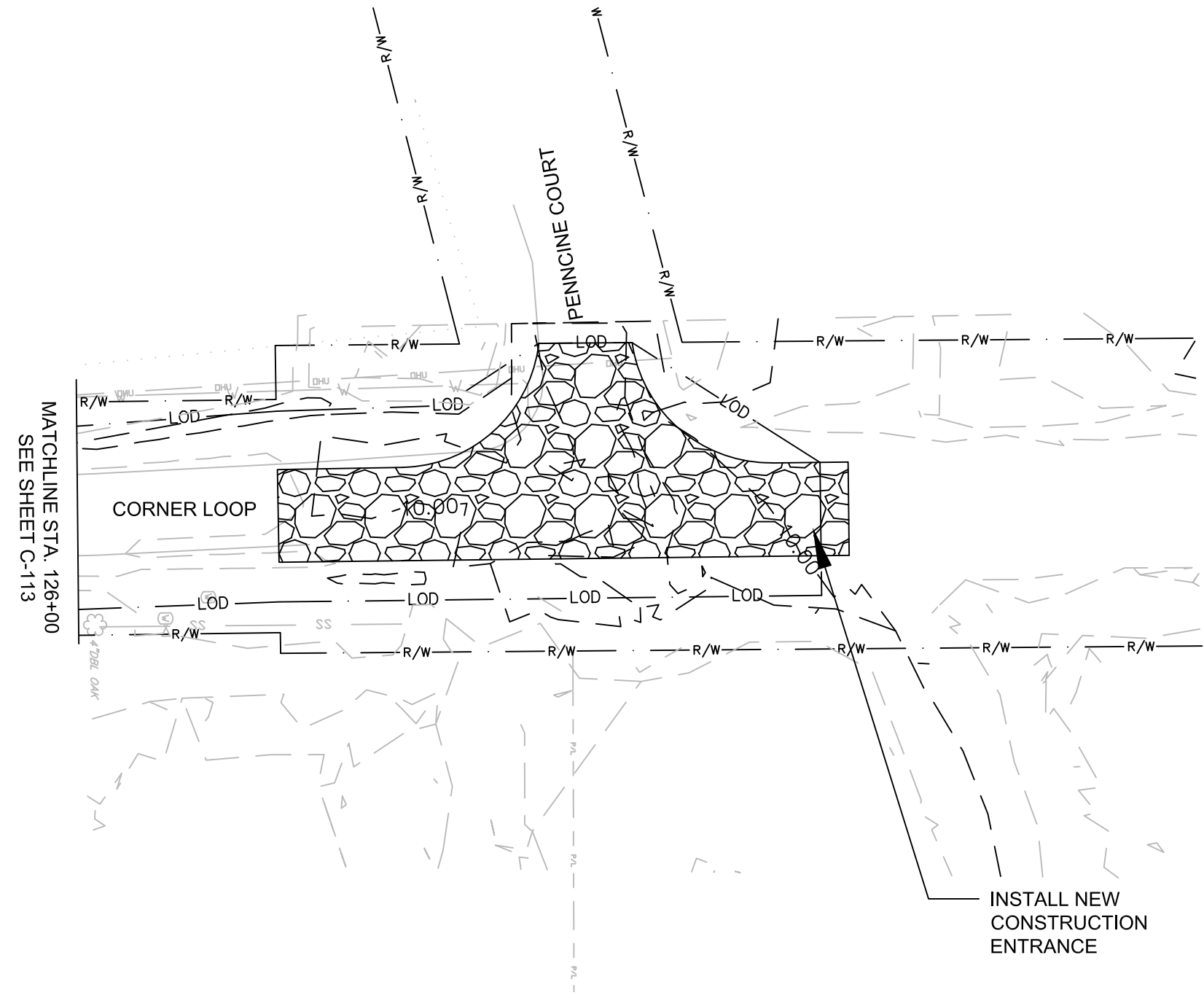
MATCHLINE STA. 117+00
SEE SHEET C-112

MATCHLINE STA. 126+00
SEE SHEET C-114



Description	
Date	
Revision	
 	
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines
EROSION CONTROL PHASE I INITIAL LAND DISTURBANCE DENNIS CORPORATION	
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>	
Project G0004.32	
Scale 1" = 30'	
Sheet C-113	

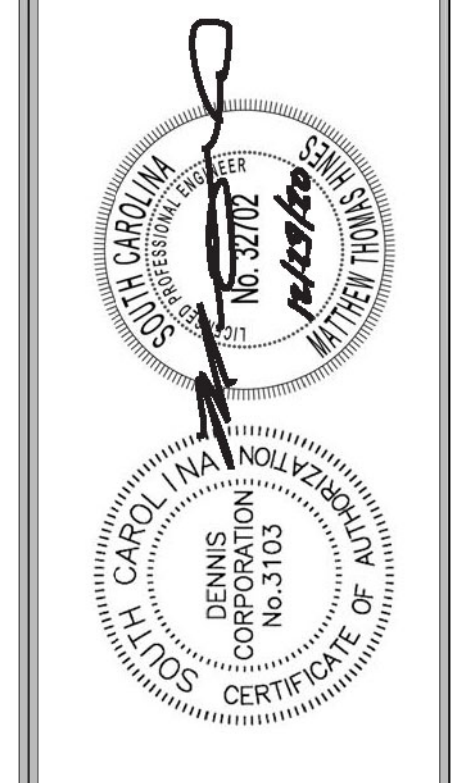
JUNE 2020



CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY | SOUTH CAROLINA

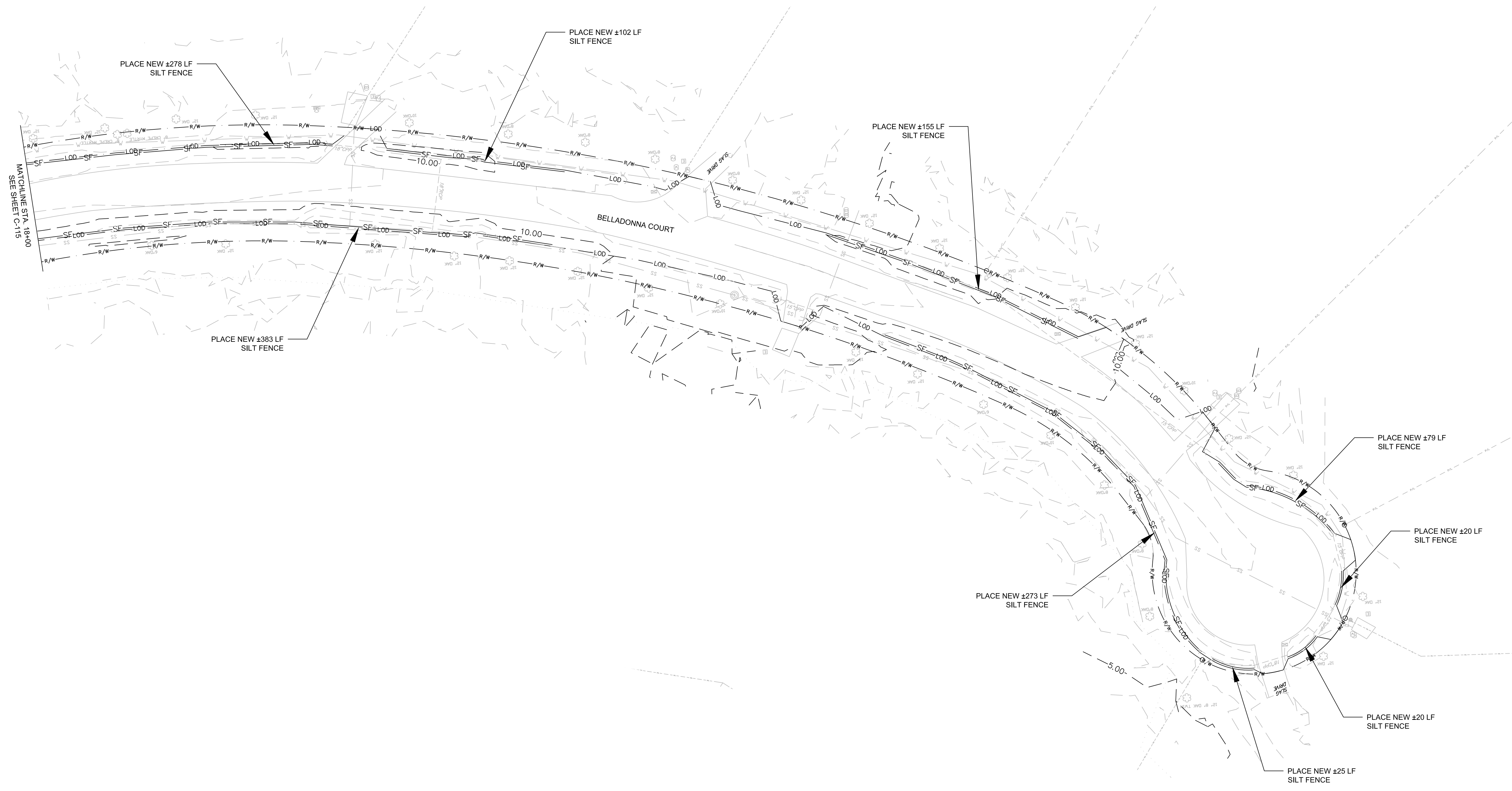
EROSION CONTROL
 PHASE I
 INITIAL LAND DISTURBANCE
DENNIS
 CORPORATION

Engineer
 M. Hines
 Drawn By
 S. Pollard
 Checked By
 M. Hines



Revision	Date	Description

Project
G0004.32
 Scale
1" = 30'
 Sheet
C-114



Revision	Date	Description

DENNIS CORPORATION
CORPORATION

EROSION CONTROL
PHASE I
INITIAL LAND DISTURBANCE

DENNIS CORPORATION

Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CORNER LOOP AND BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA

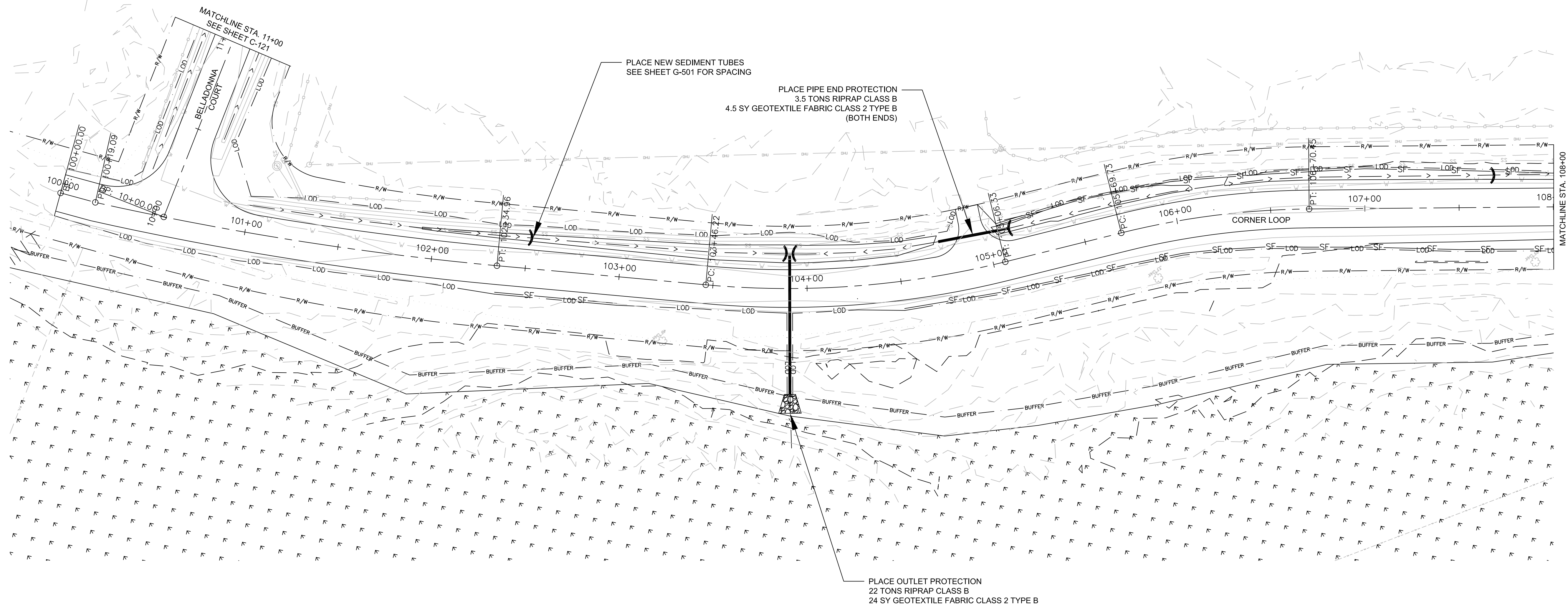
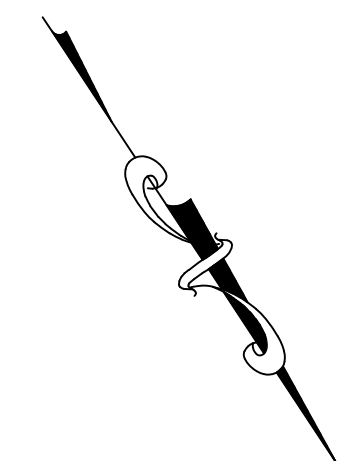
JUNE 2020

Project
G0004.32

Scale
1" = 30'

Sheet
C-116

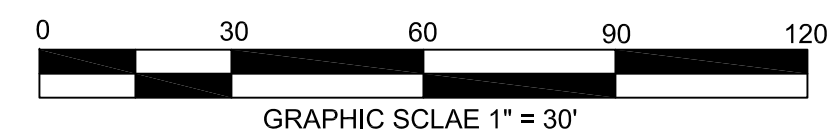
NOTES:
1. MAINTAIN ALL SILT FENCE.



PLACE NEW SEDIMENT TUBES
SEE SHEET G-501 FOR SPACING

PLACE PIPE END PROTECTION
3.5 TONS RIPRAP CLASS B
4.5 SY GEOTEXTILE FABRIC CLASS 2 TYPE B
(BOTH ENDS)

PLACE OUTLET PROTECTION
22 TONS RIPRAP CLASS B
24 SY GEOTEXTILE FABRIC CLASS 2 TYPE B



Revision	Date	Description

ENGINEER
M. Hines

DRAWN BY
S. Pollard

CHECKED BY
M. Hines

**EROSION CONTROL
PHASE II
CONSTRUCTION**

DENNIS CORPORATION

**CORNER LOOP AND
BELLADONNA**

for

GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA

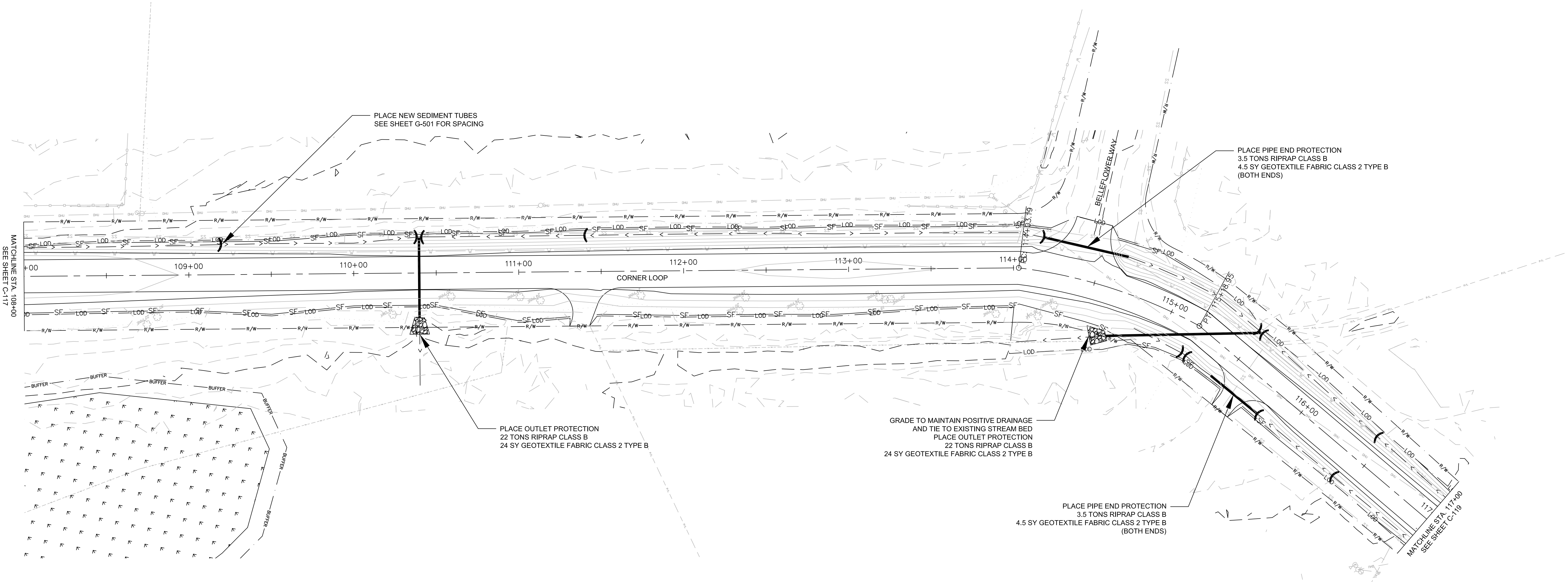
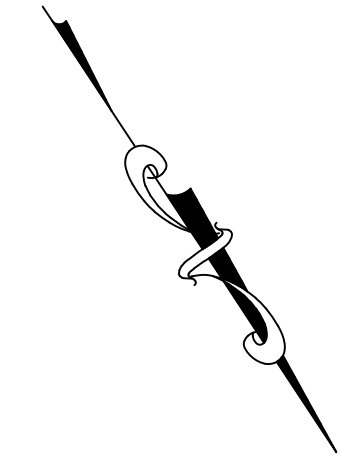
JUNE 2020

Project
G0004.32

Scale
1" = 30'

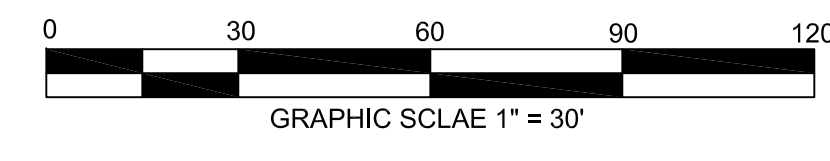
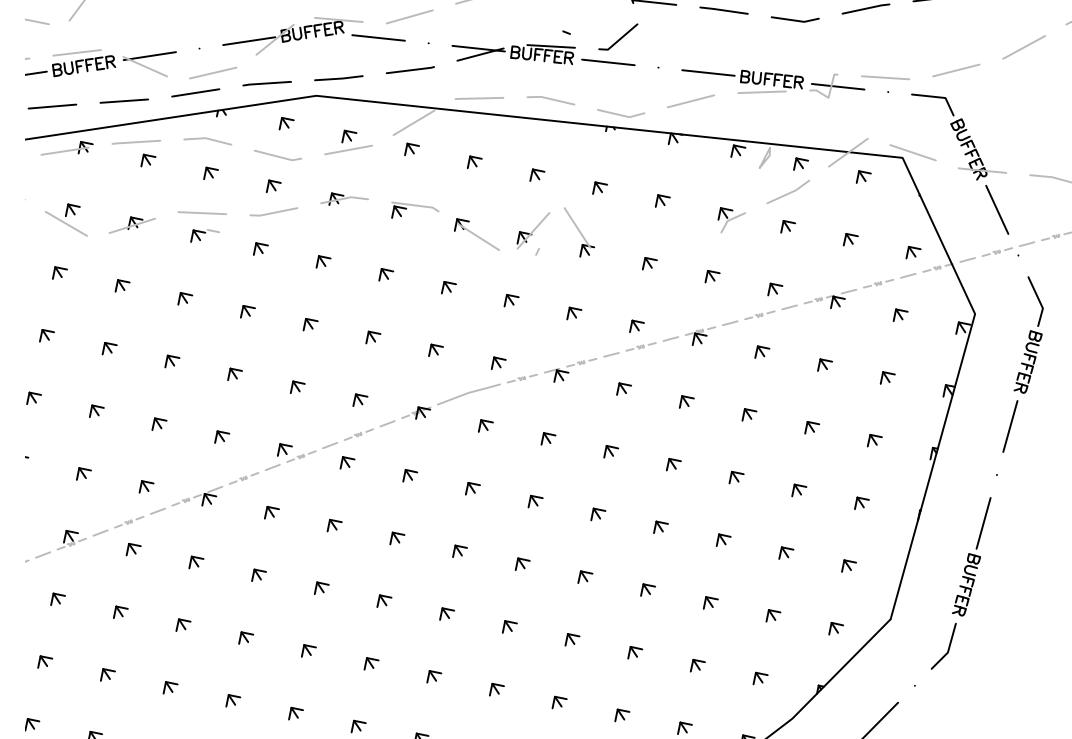
Sheet
C-117

NOTES:
1. MAINTAIN ALL SILT FENCE.

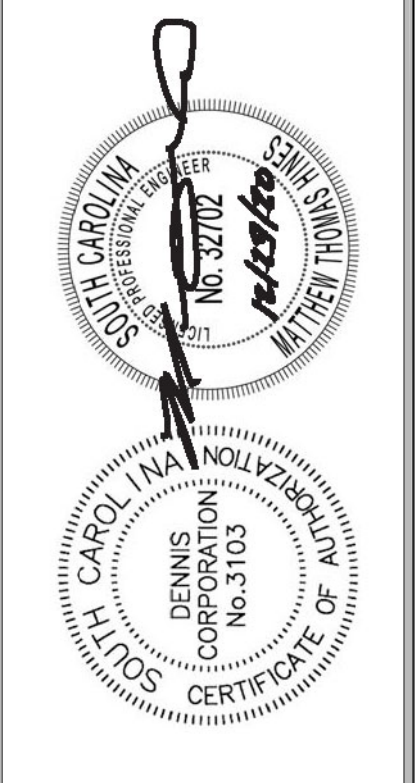


MATCHLINE STA. 108+00
SEE SHEET C-117

MATCHLINE STA. 117+00
SEE SHEET C-118



Revision	Date	Description



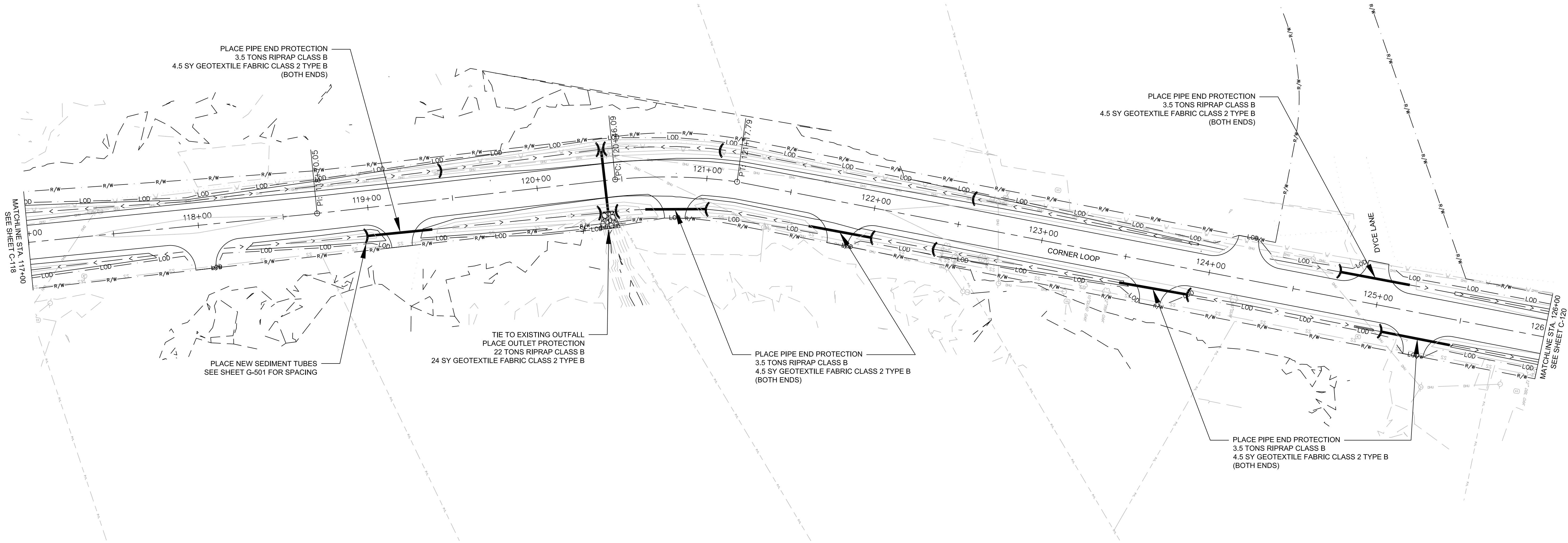
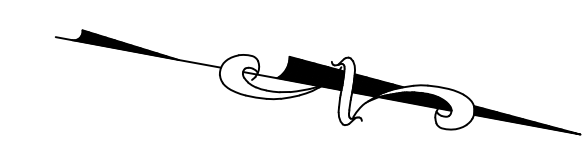
Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

EROSION CONTROL
 PHASE II
 CONSTRUCTION
DENNIS
 CORPORATION

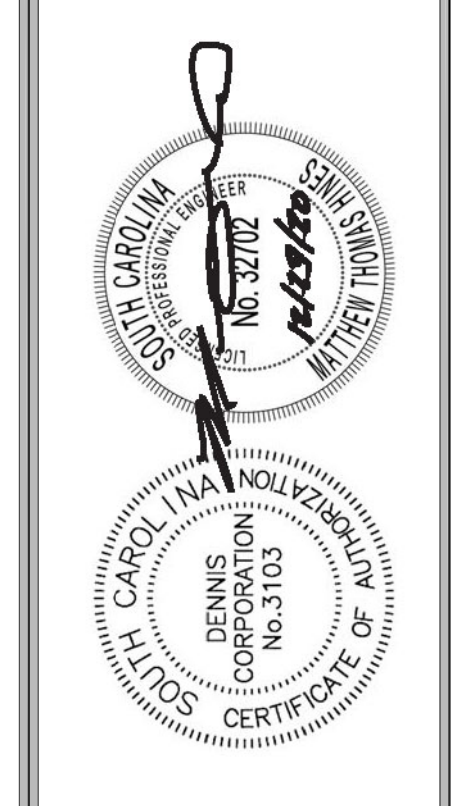
CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project
G0004.32
 Scale
1" = 30'
 Sheet
C-118

NOTES:
1. MAINTAIN ALL SILT FENCE.



Revision	Date	Description

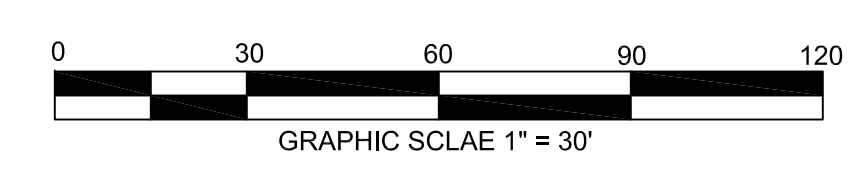


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

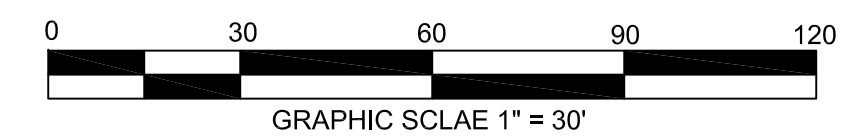
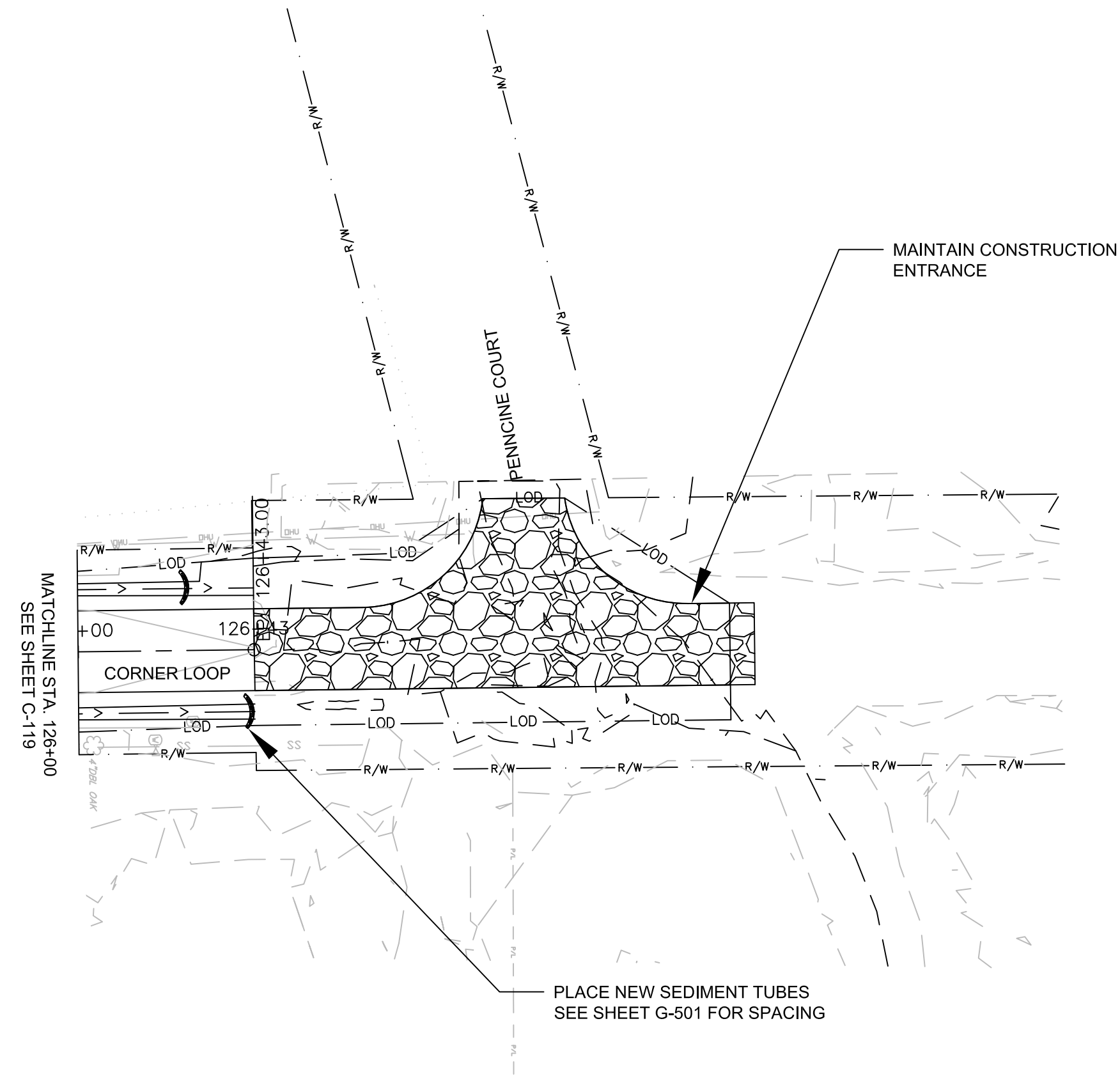
EROSION CONTROL
 PHASE II
 CONSTRUCTION
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 SOUTH CAROLINA

Project
G0004.32
 Scale
1" = 30'
 Sheet
C-119



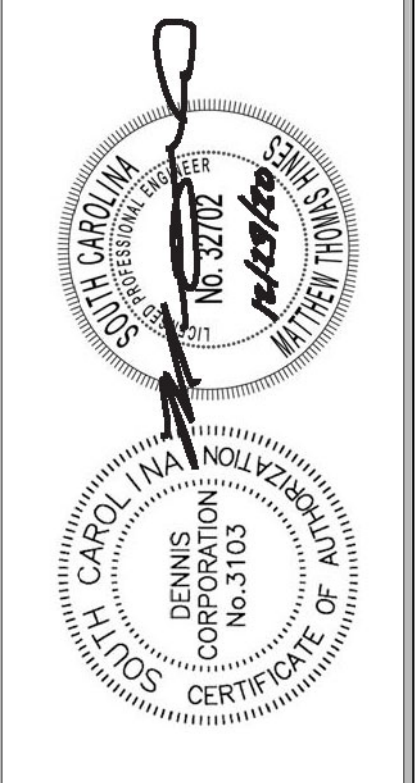
NOTES:
1. MAINTAIN ALL SILT FENCE.



CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY | SOUTH CAROLINA

EROSION CONTROL
PHASE II
CONSTRUCTION
DENNIS
CORPORATION

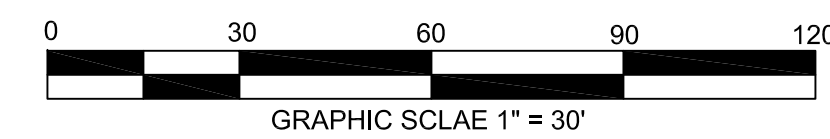
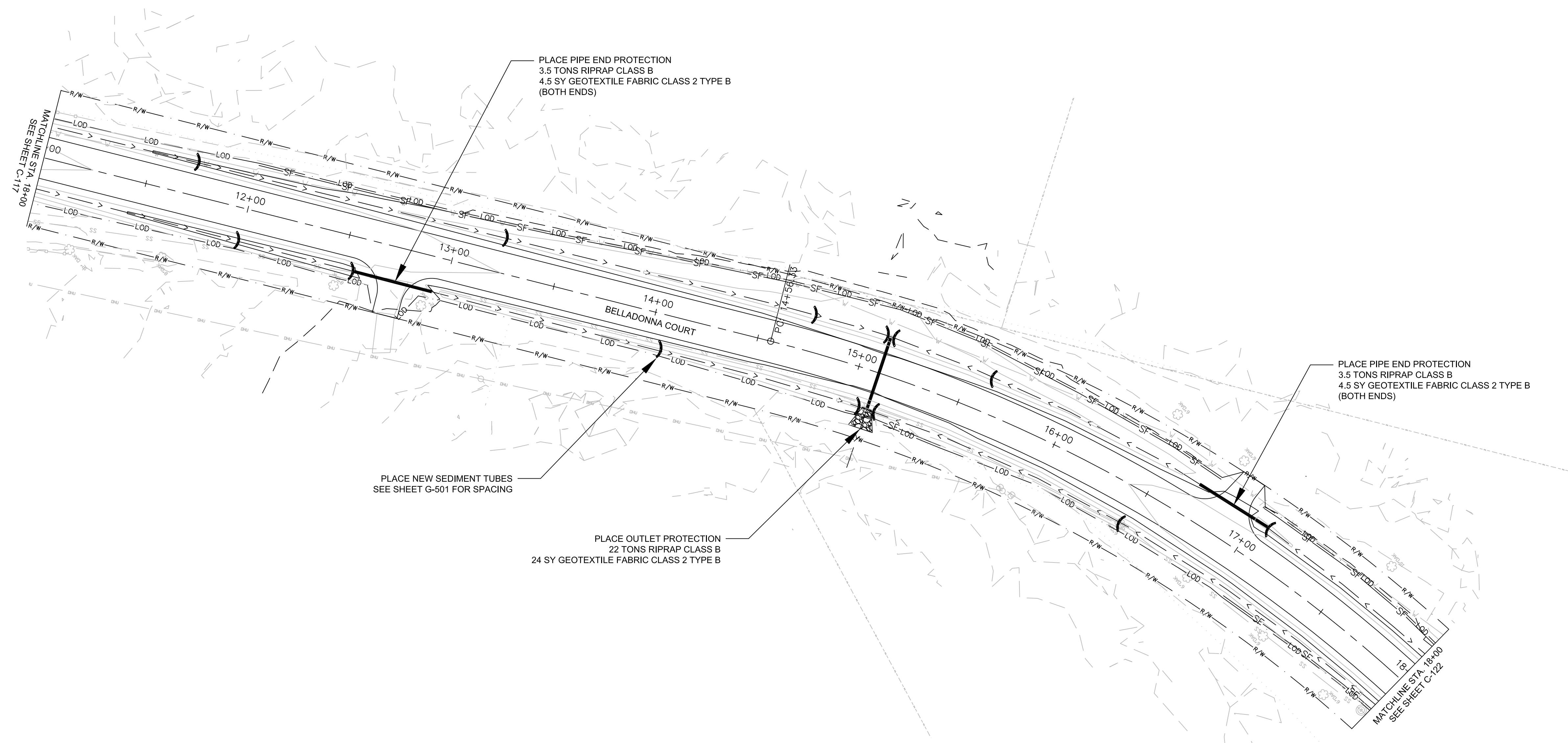
Engineer
M. Hines
Drawn By
S. Pollard
Checked By
M. Hines



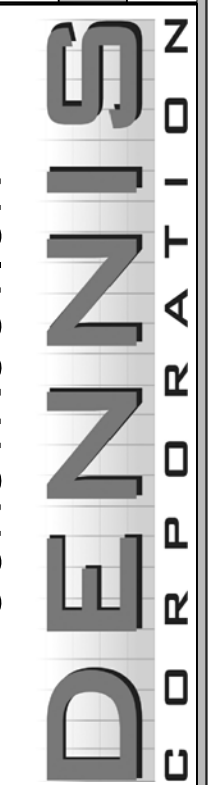


Revision	Date	Description

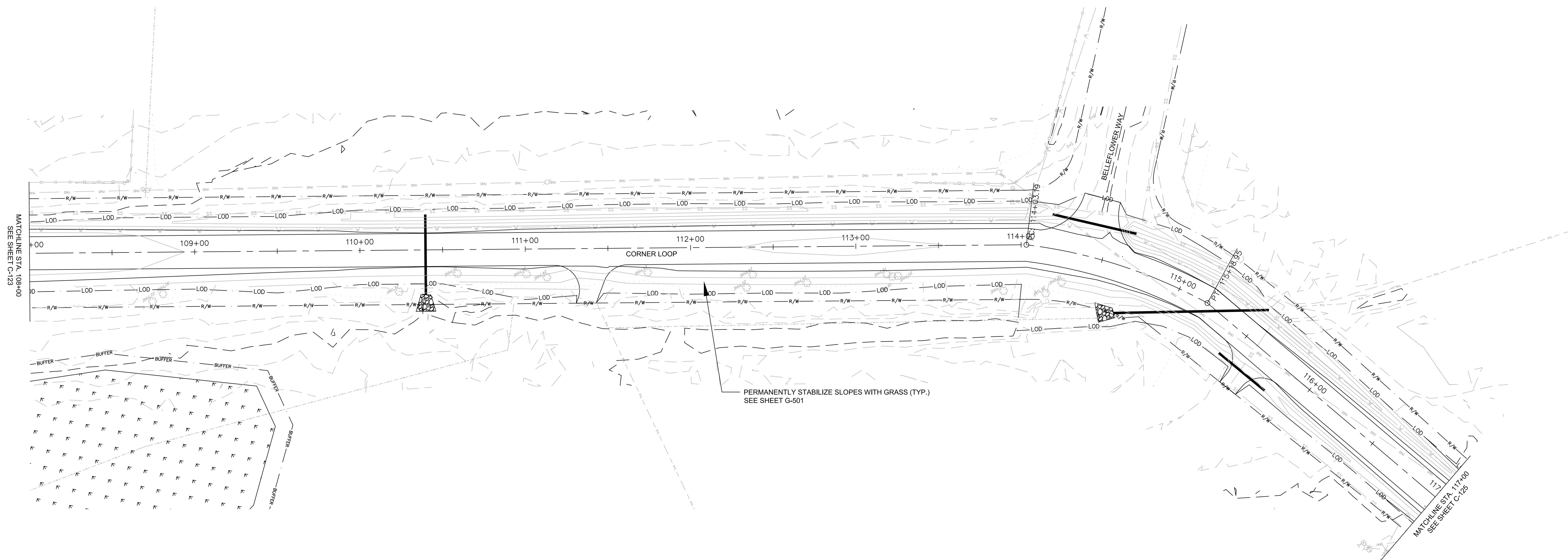
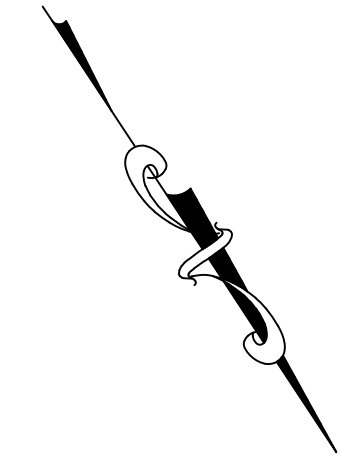
Project
G0004.32
Scale
1" = 30'
Sheet
C-120

NOTES:
1. MAINTAIN ALL SILT FENCE.



Description	
Date	
Revision	
 	
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines
EROSION CONTROL PHASE II CONSTRUCTION 	
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>	
Project G0004.32 Scale 1" = 30' Sheet C-121	
JUNE 2020	

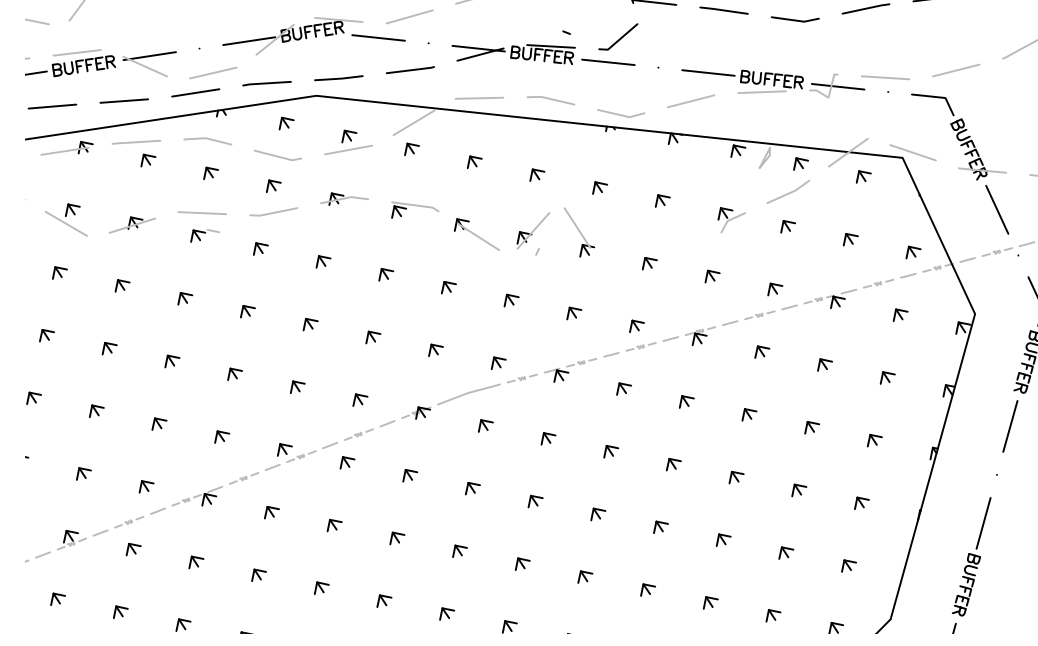
- NOTES:
 1. INSTALL ECBs ON SLOPES WHERE GRASSING AND SEEDING IS NECESSARY.
 2. REMOVE SILT FENCE AFTER STABILIZATION.
 3. REMOVE SEDIMENT TUBES AFTER STABILIZATION.

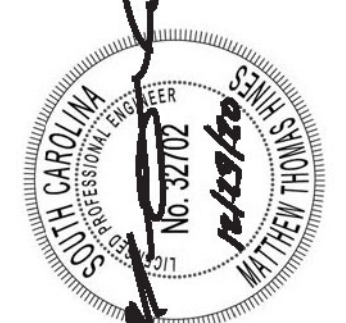




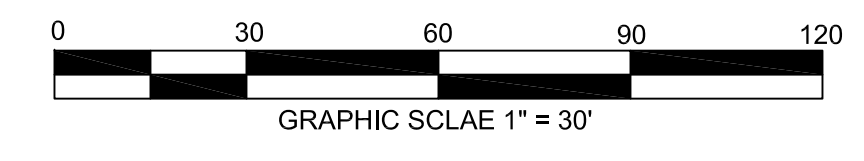
MATCHLINE STA. 108+00
SEE SHEET C-123

MATCHLINE STA. 117+00
SEE SHEET C-125

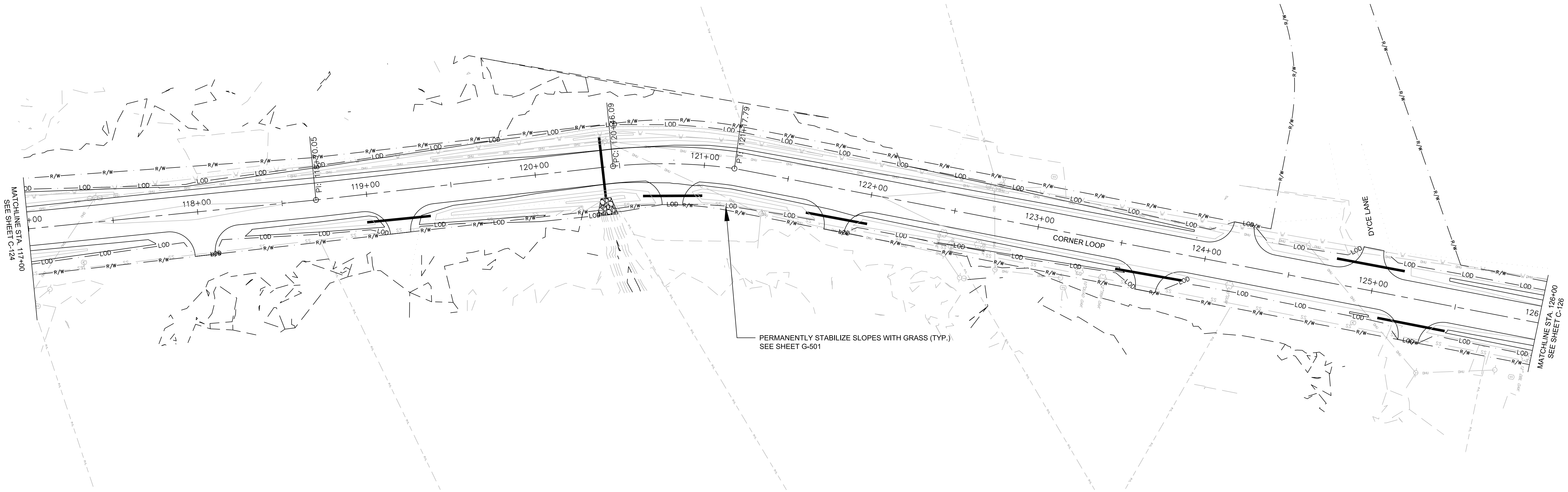
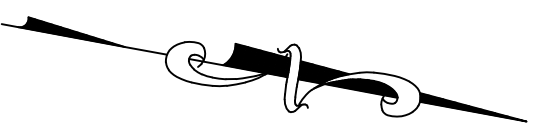
PERMANENTLY STABILIZE SLOPES WITH GRASS (TYP.)
SEE SHEET G-501



	Description				
		Date			
		Revision			
 					
Engineer	M. Hines	Drawn By	S. Pollard	Checked By	M. Hines
EROSION CONTROL PHASE III FINAL STABILIZATION 					
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>					
Project G0004.32 Scale 1" = 30' Sheet C-124					



- NOTES:
 1. INSTALL ECBs ON SLOPES WHERE GRASSING AND SEEDING IS NECESSARY.
 2. REMOVE SILT FENCE AFTER STABILIZATION.
 3. REMOVE SEDIMENT TUBES AFTER STABILIZATION.

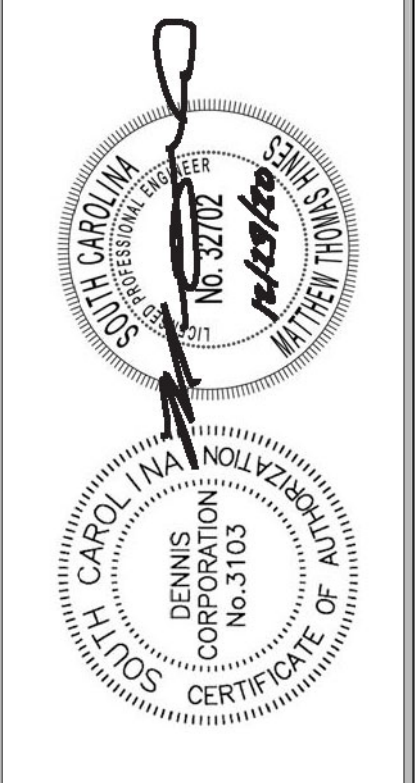


MATCHLINE STA. 117+00
SEE SHEET C-124

MATCHLINE STA. 126+00
SEE SHEET C-126

PERMANENTLY STABILIZE SLOPES WITH GRASS (TYP.)
SEE SHEET G-501

Revision	Date	Description

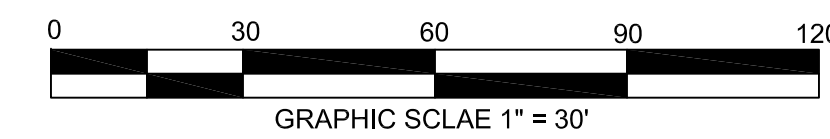


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

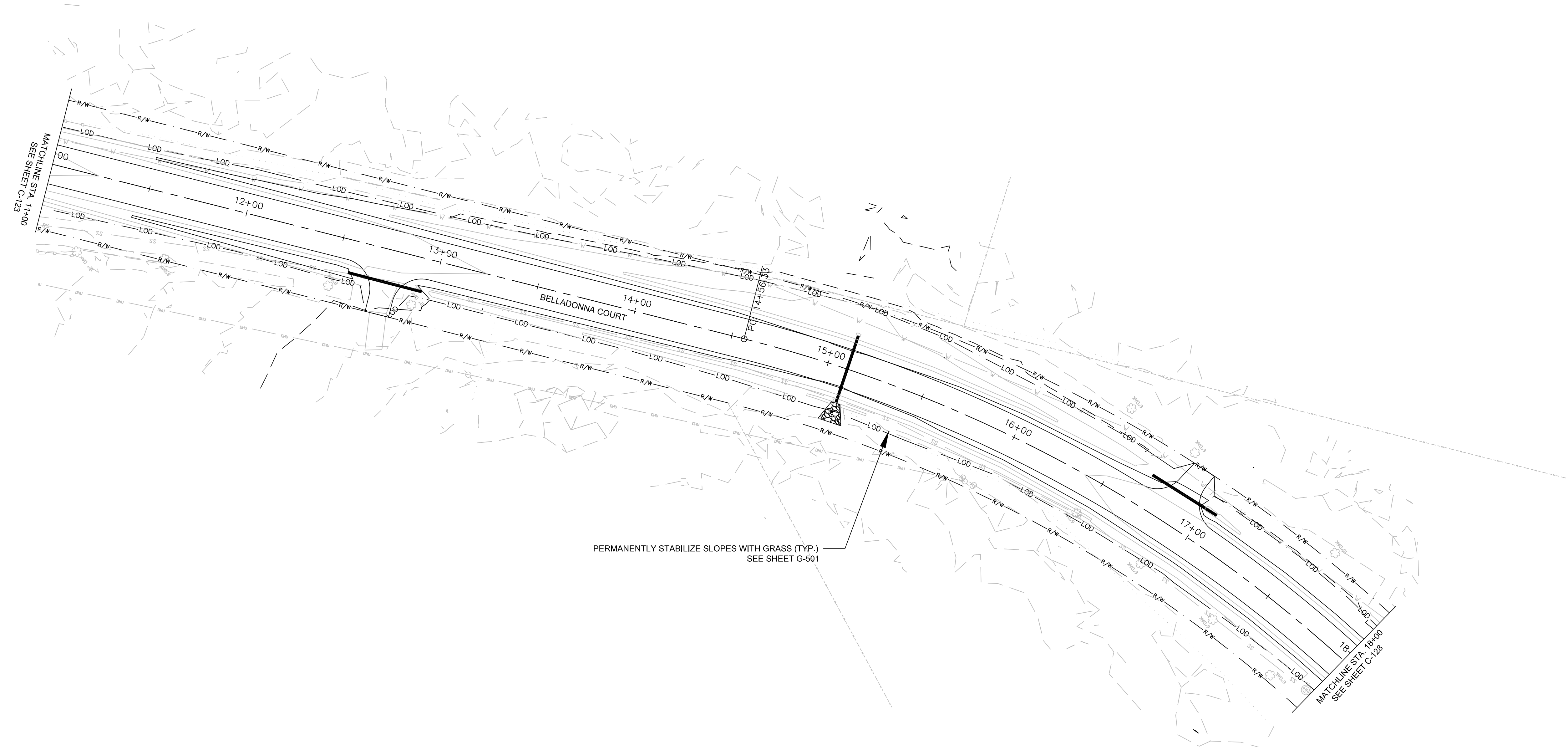
EROSION CONTROL
 PHASE III
 FINAL STABILIZATION
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

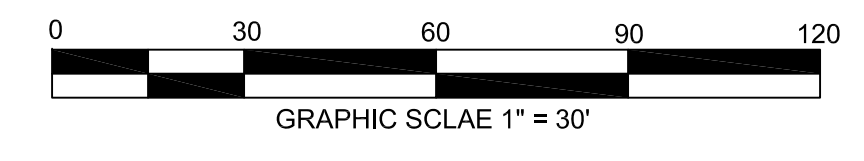
Project
G0004.32
 Scale
1" = 30'
 Sheet
C-125





- NOTES:
 1. INSTALL ECBs ON SLOPES WHERE GRASSING AND SEEDING IS NECESSARY.
 2. REMOVE SILT FENCE AFTER STABILIZATION.
 3. REMOVE SEDIMENT TUBES AFTER STABILIZATION.

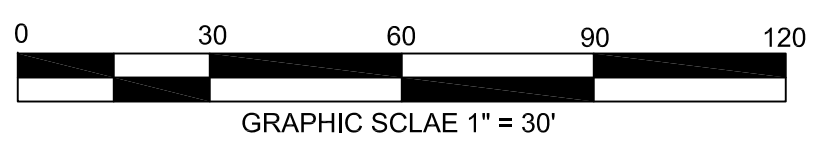
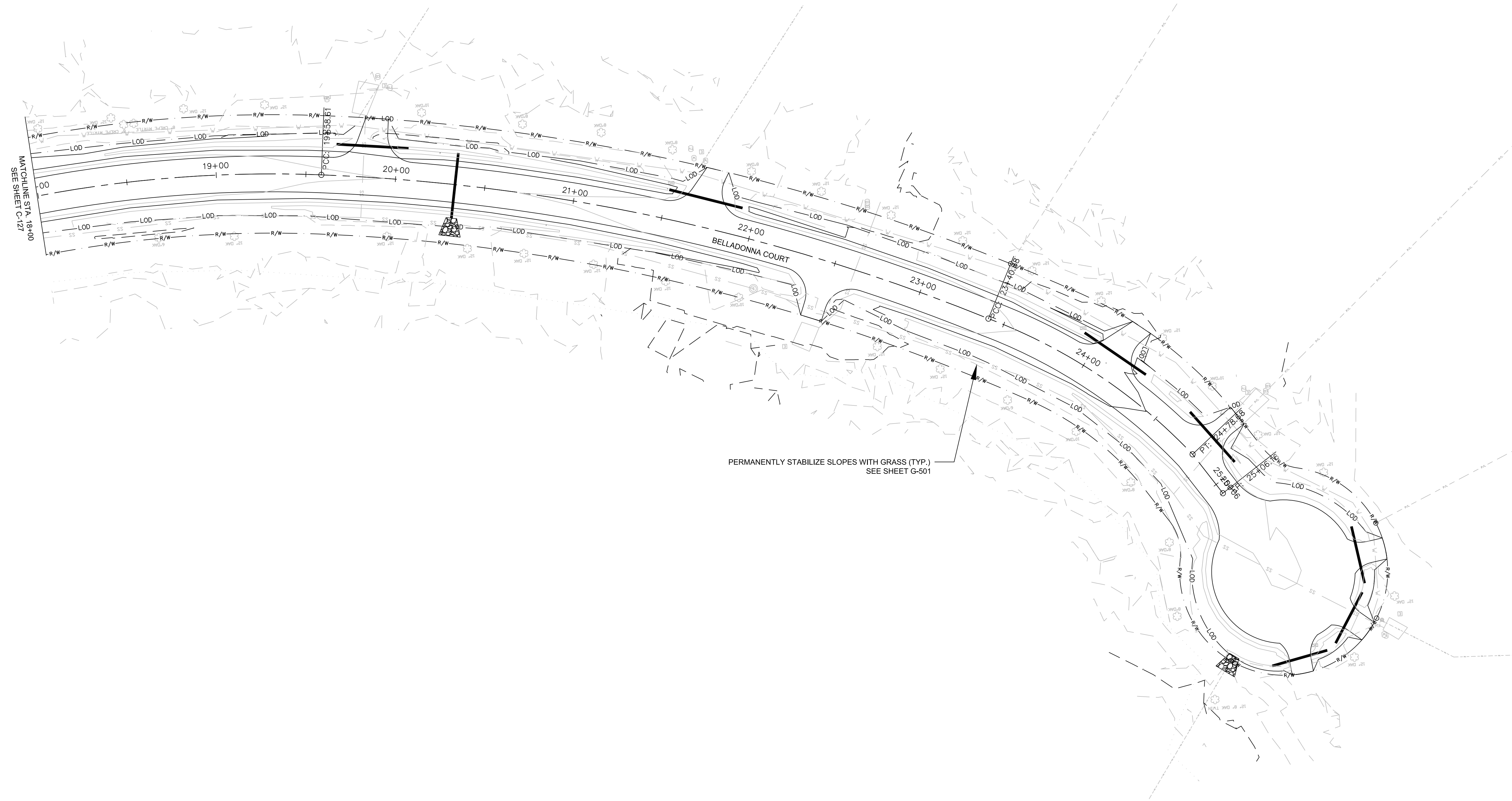


PERMANENTLY STABILIZE SLOPES WITH GRASS (TYP.)
 SEE SHEET G-501

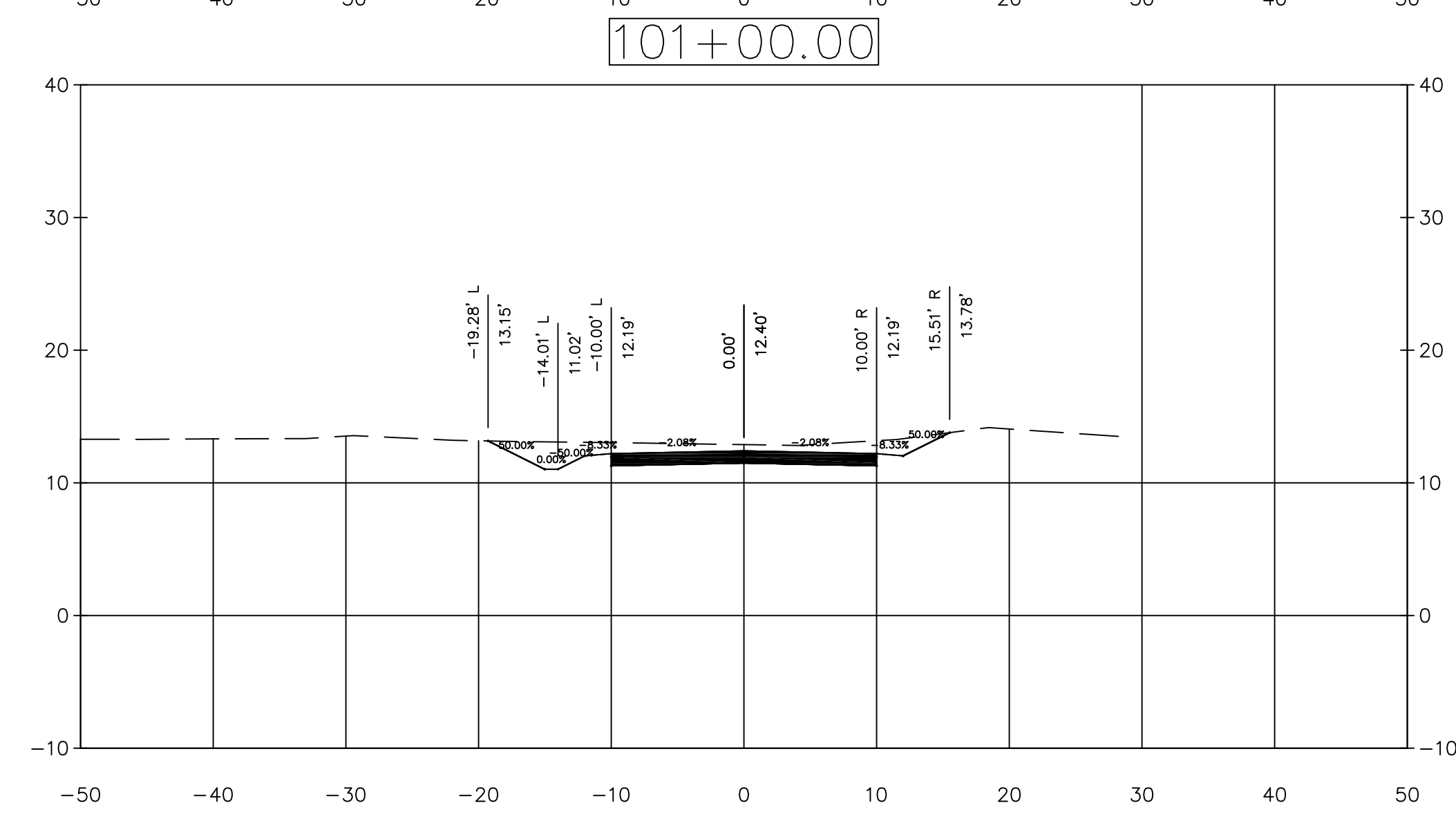
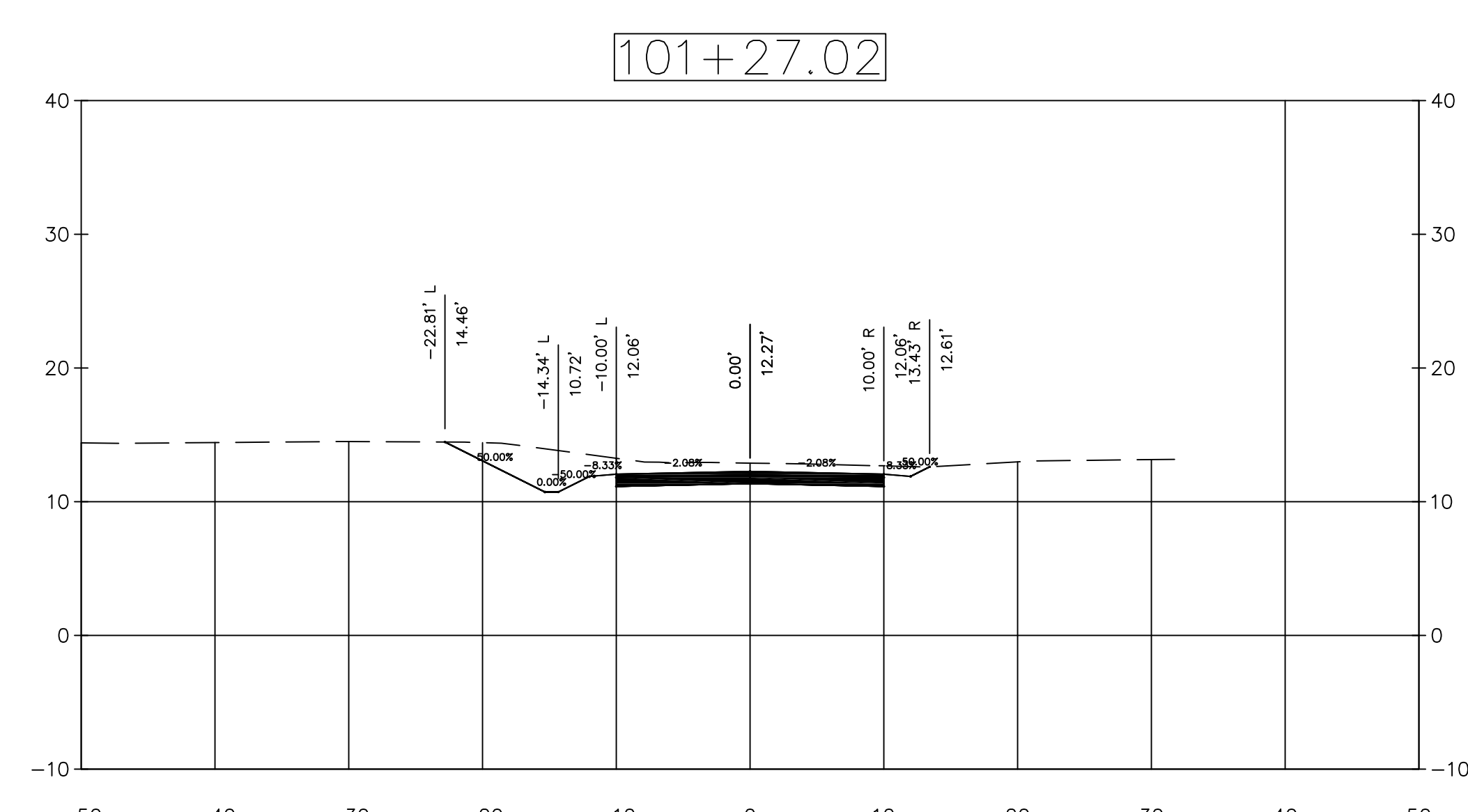
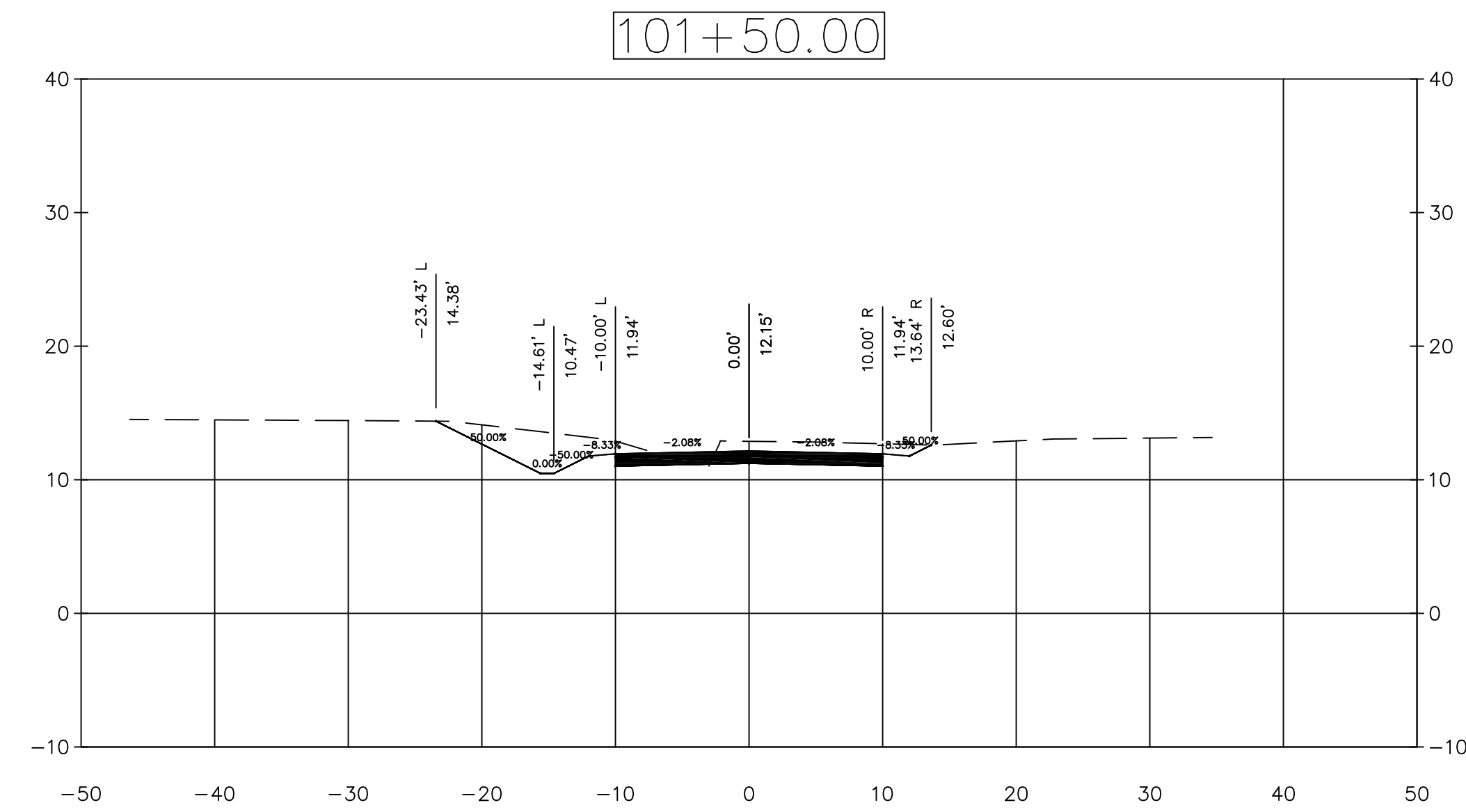
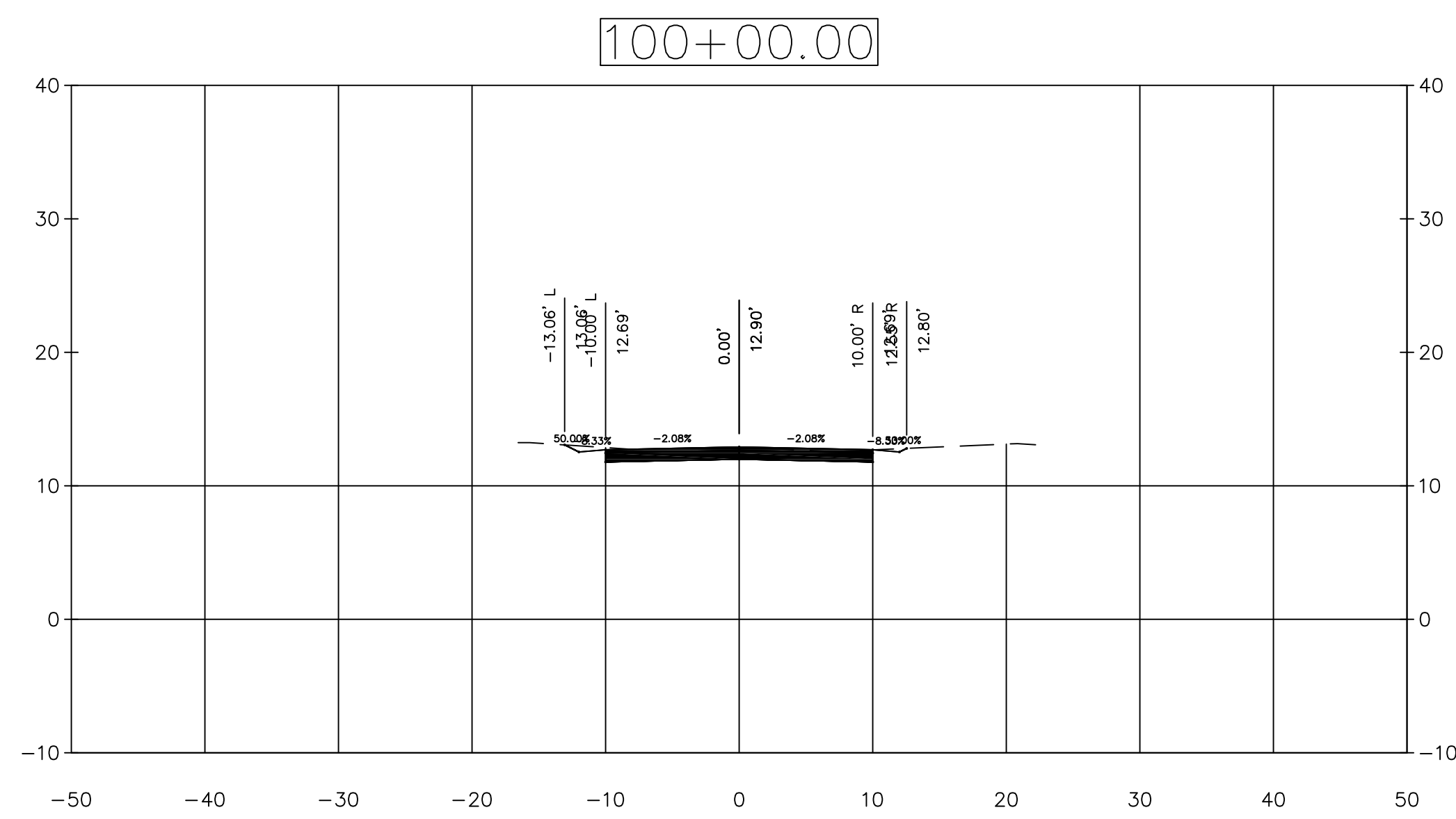
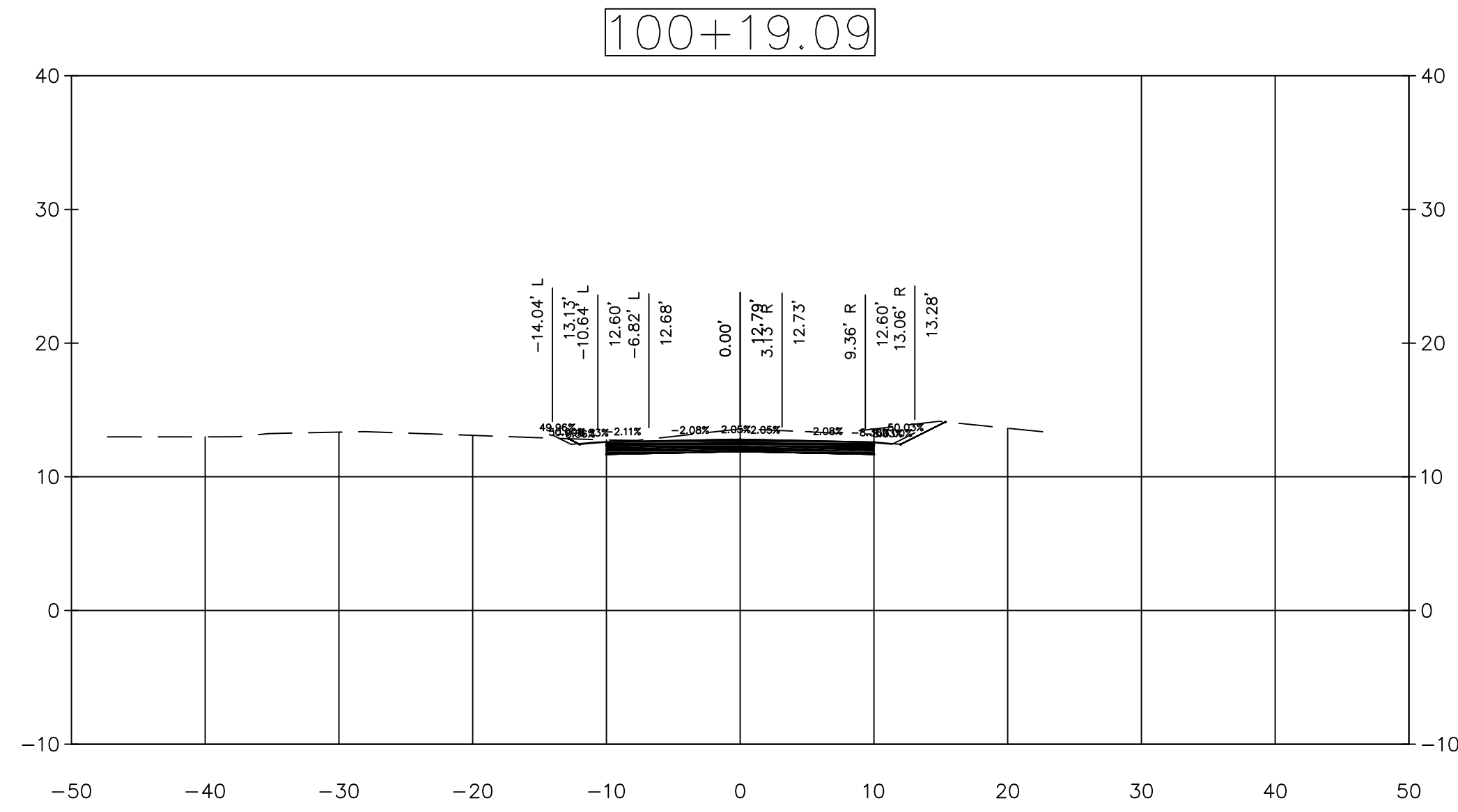
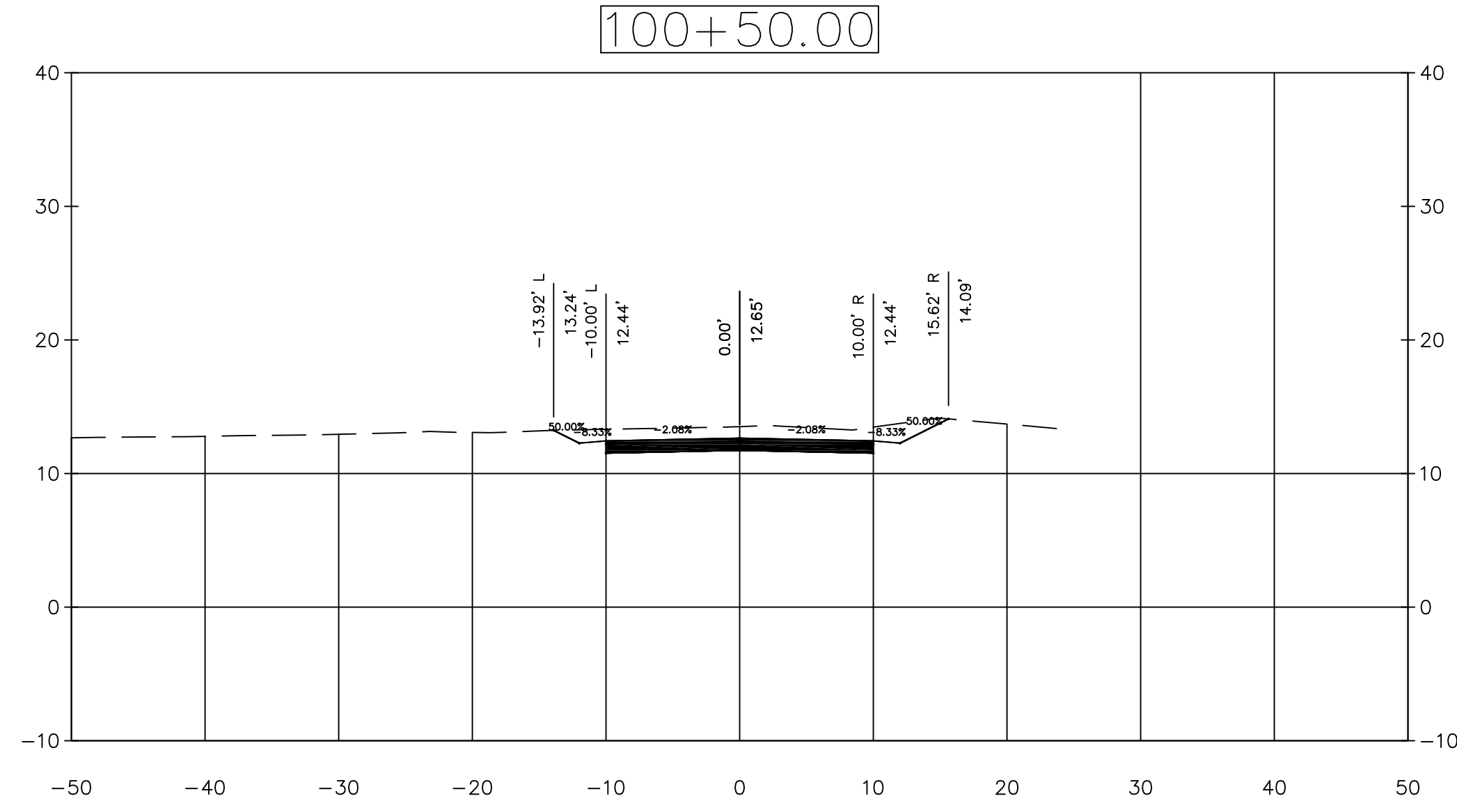


Description	
Date	
Revision	
 	
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines
EROSION CONTROL PHASE III FINAL STABILIZATION DENNIS CORPORATION	
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>	
Project G0004.32 Scale 1" = 30' Sheet C-127	
JUNE 2020	

- NOTES:
 1. INSTALL ECBs ON SLOPES WHERE GRASSING AND SEEDING IS NECESSARY.
 2. REMOVE SILT FENCE AFTER STABILIZATION.
 3. REMOVE SEDIMENT TUBES AFTER STABILIZATION.



Description	
Date	
Revision	
Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines
EROSION CONTROL PHASE III FINAL STABILIZATION DENNIS CORPORATION	
CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY <small>GEORGETOWN COUNTY SOUTH CAROLINA</small>	
Project G0004.32 Scale 1" = 30' Sheet C-128	
JUNE 2020	



Revision	Date	Description

Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

**CROSS SECTIONS
CORNER LOOP**

DENNIS CORPORATION

**CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY**

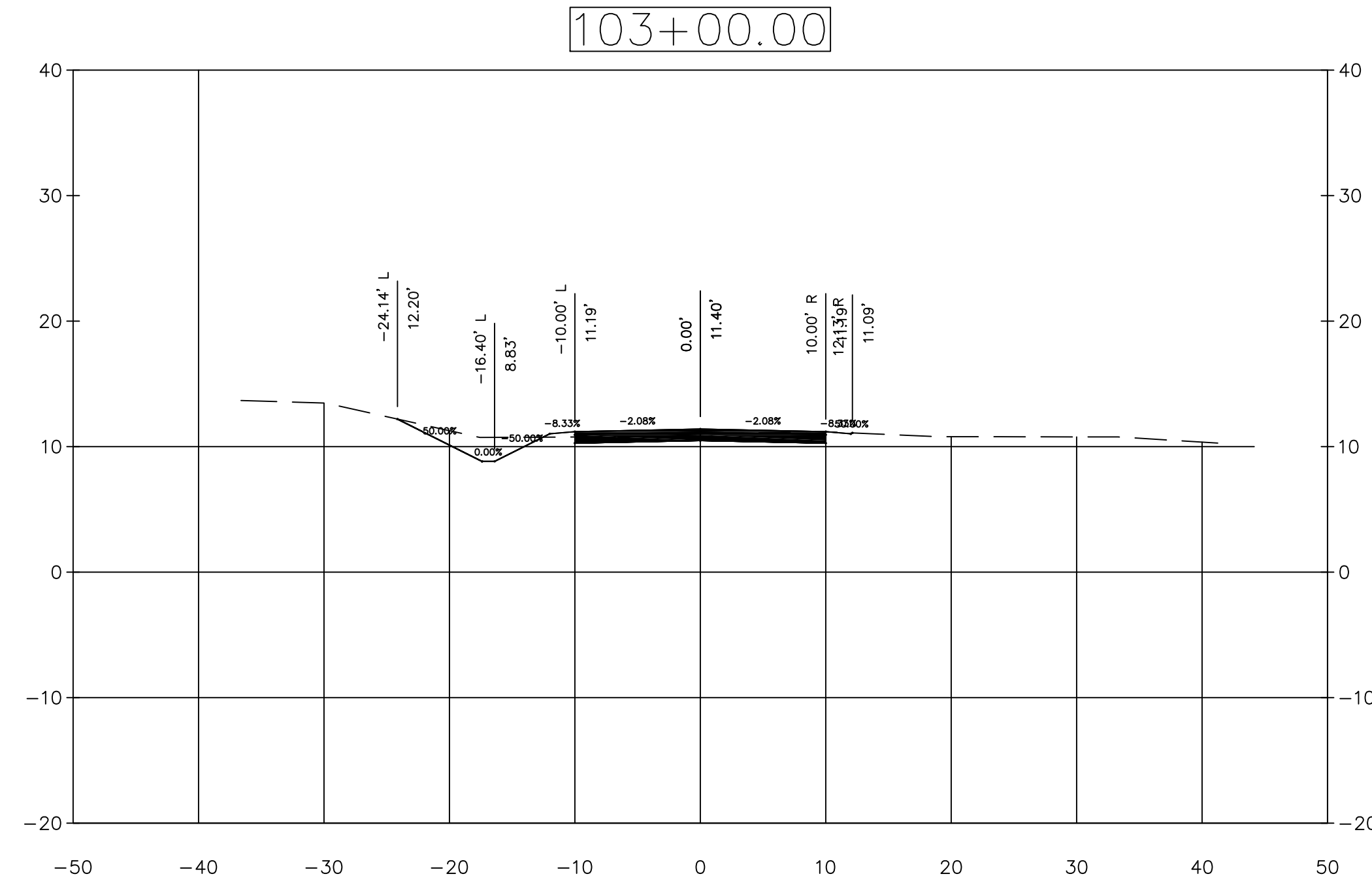
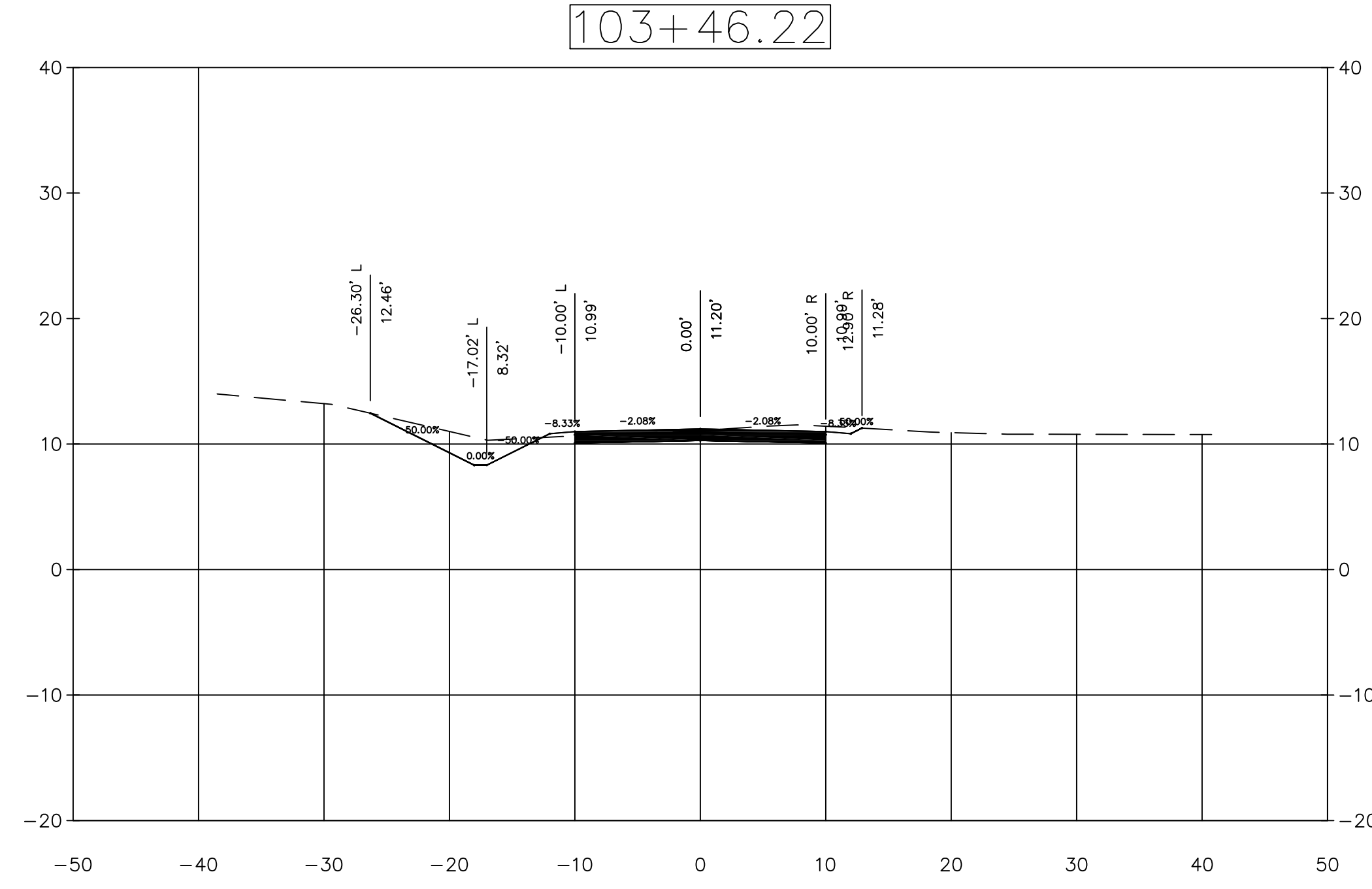
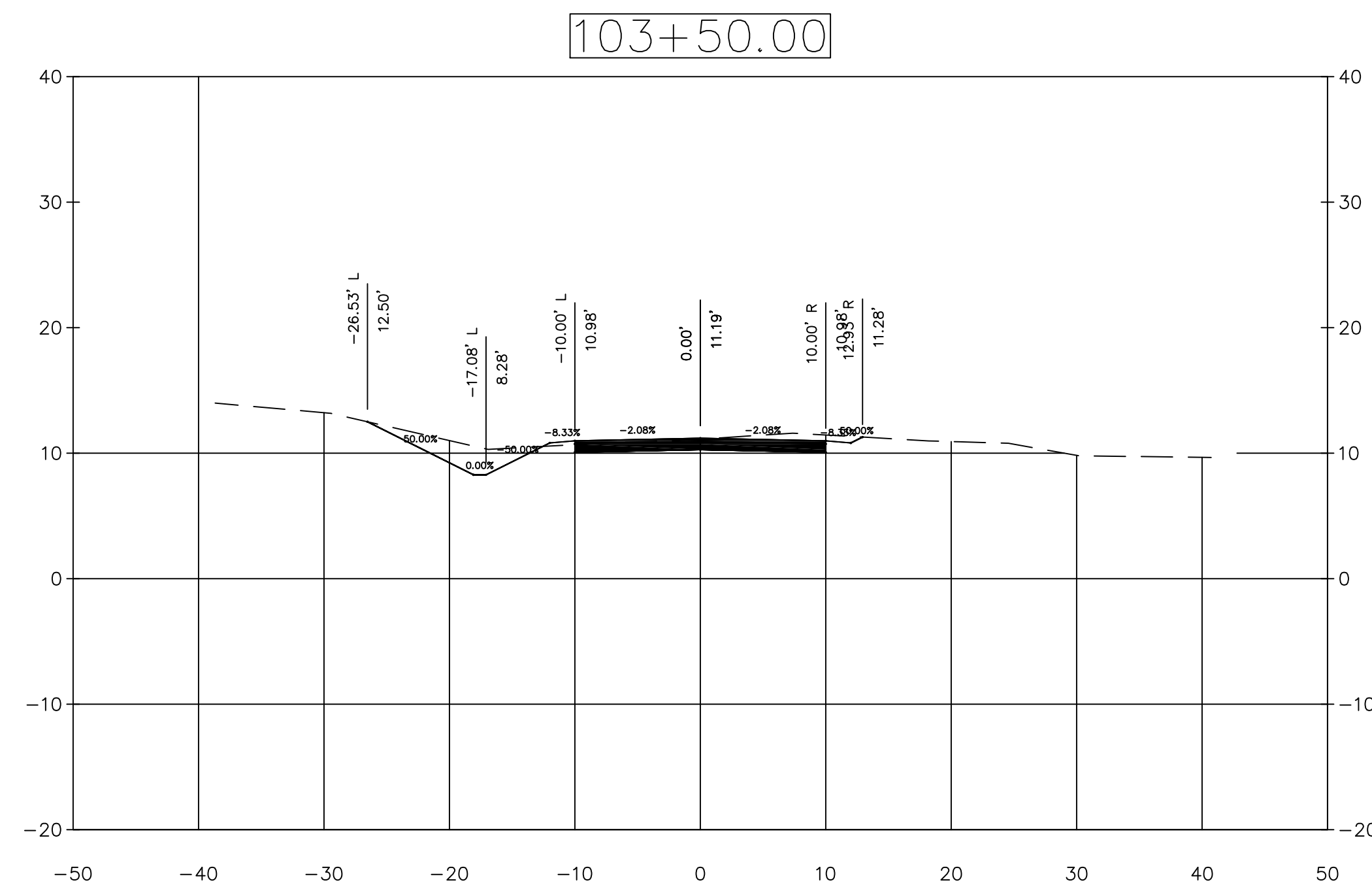
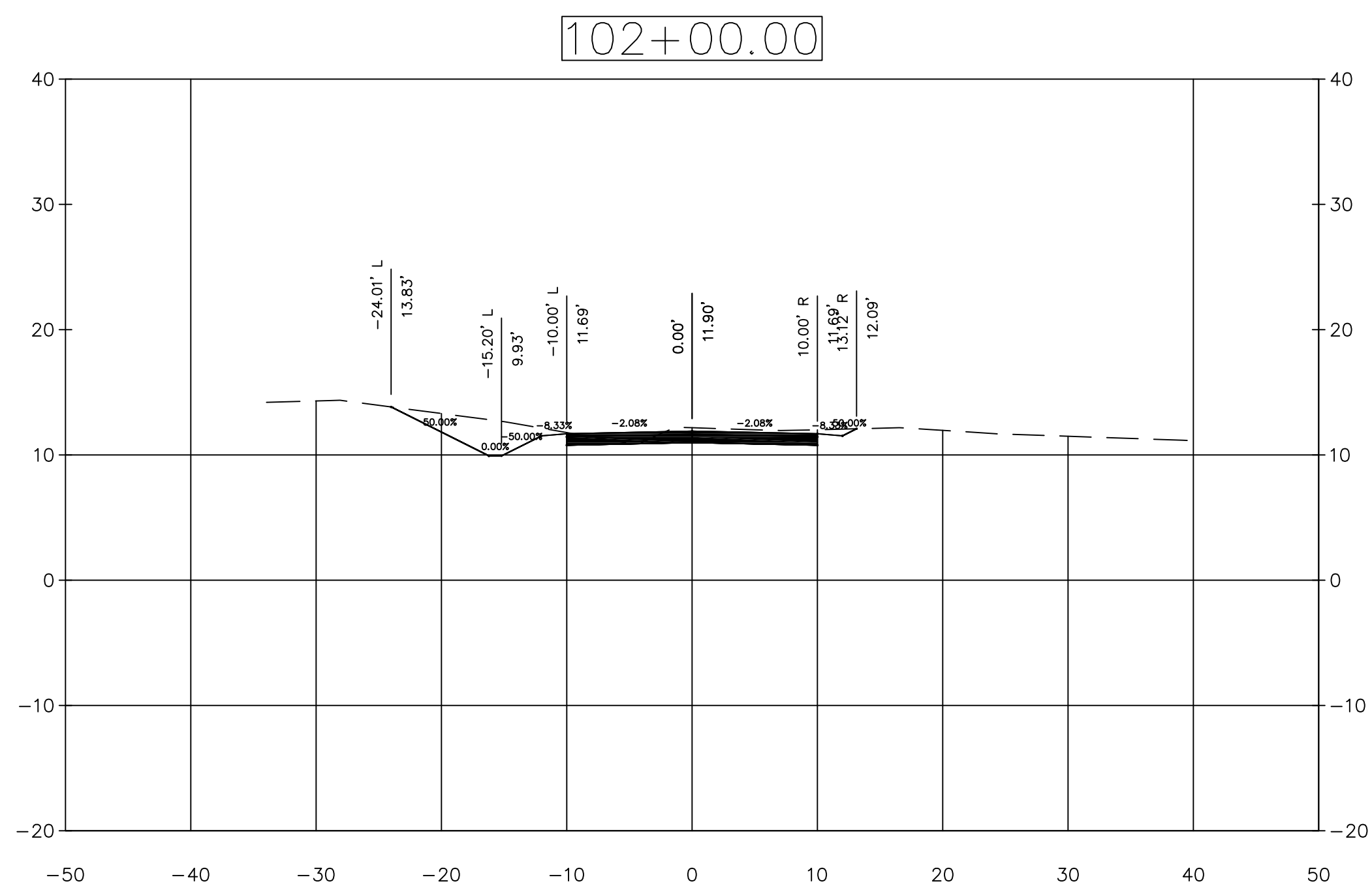
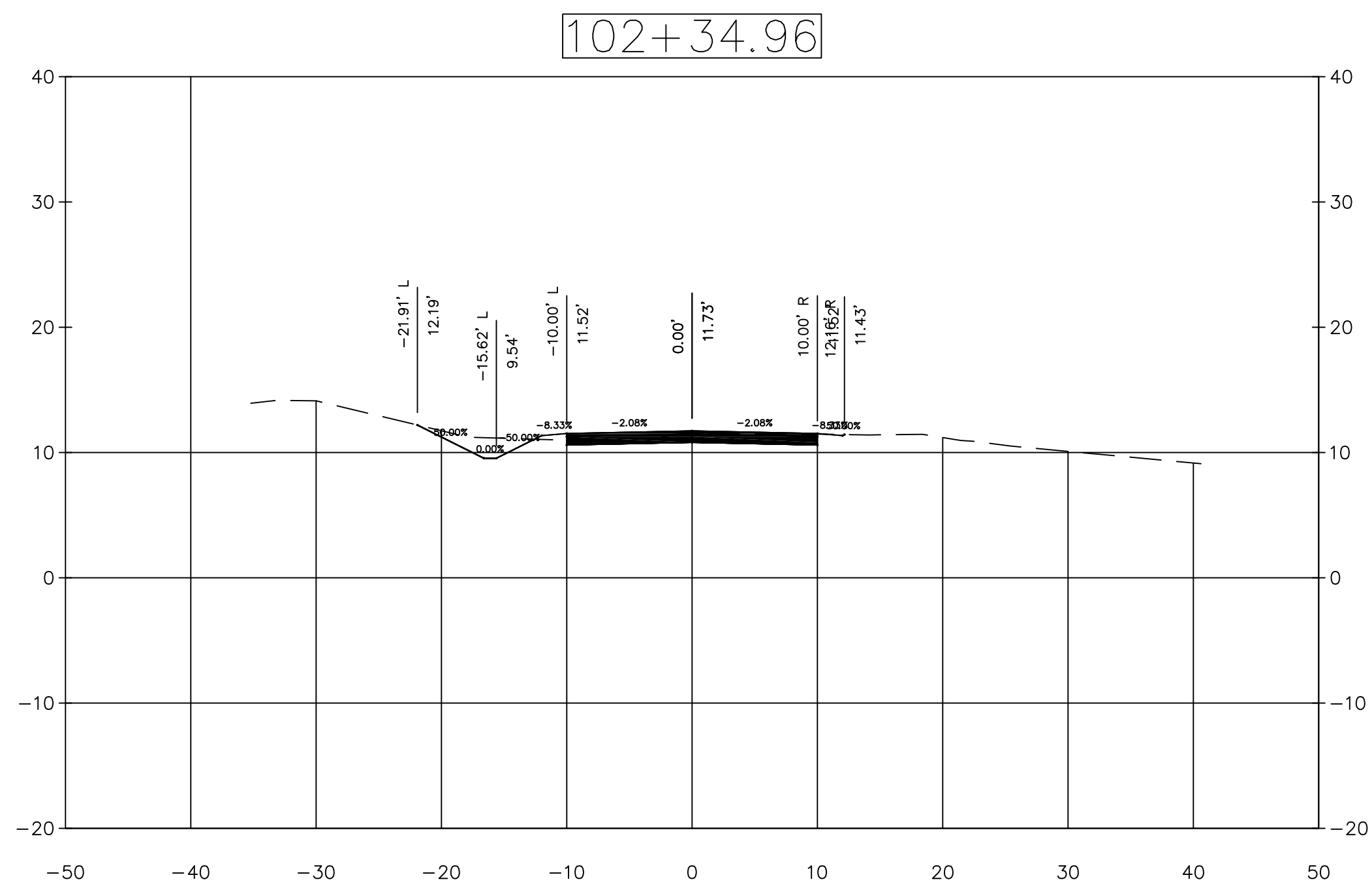
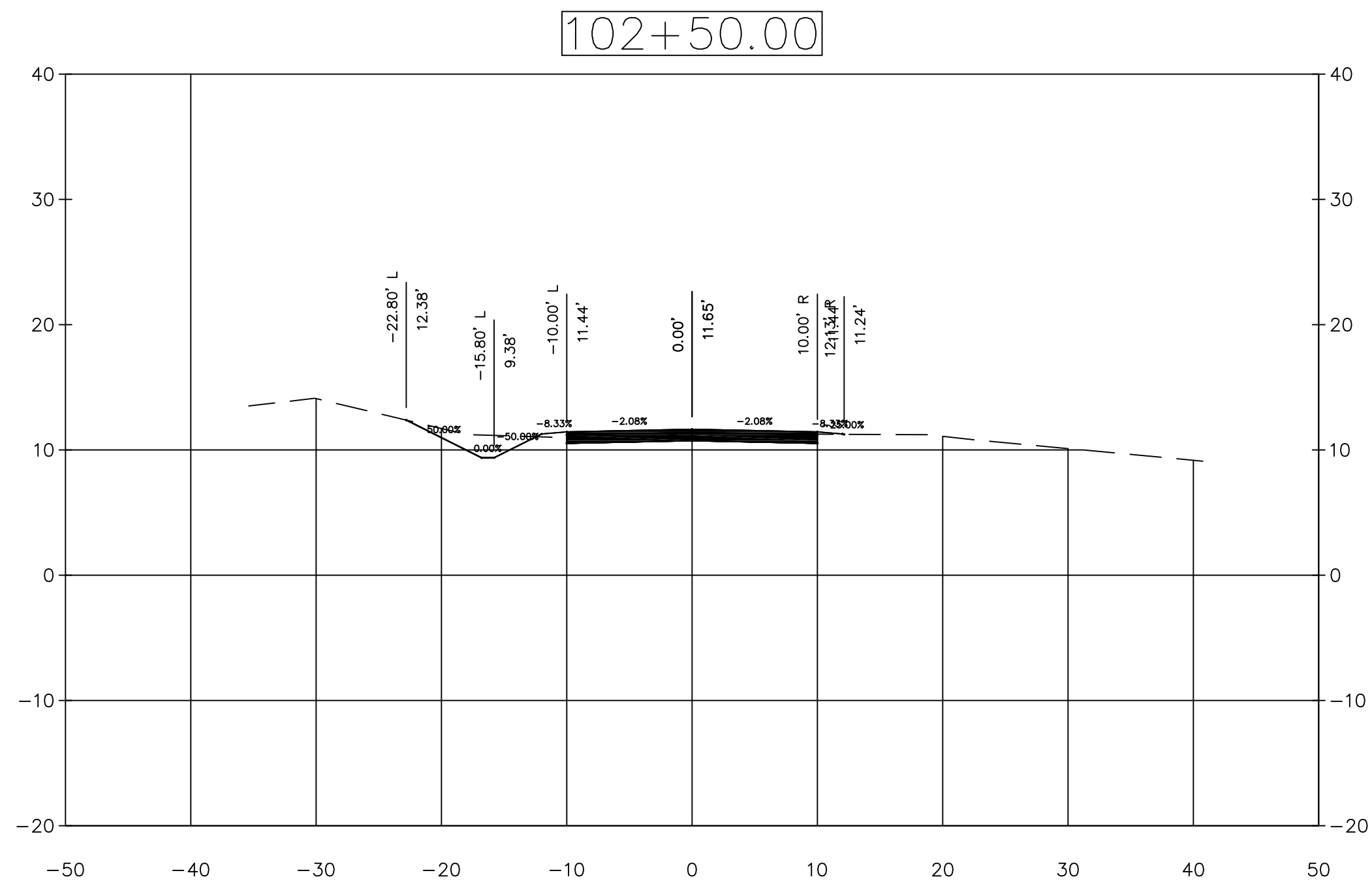
GEORGETOWN COUNTY SOUTH CAROLINA

JUNE 2020

Project
G0004.32

Scale
1" = 10'

Sheet
C-301



Revision	Date	Description

Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CROSS SECTIONS
CORNER LOOP

DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY

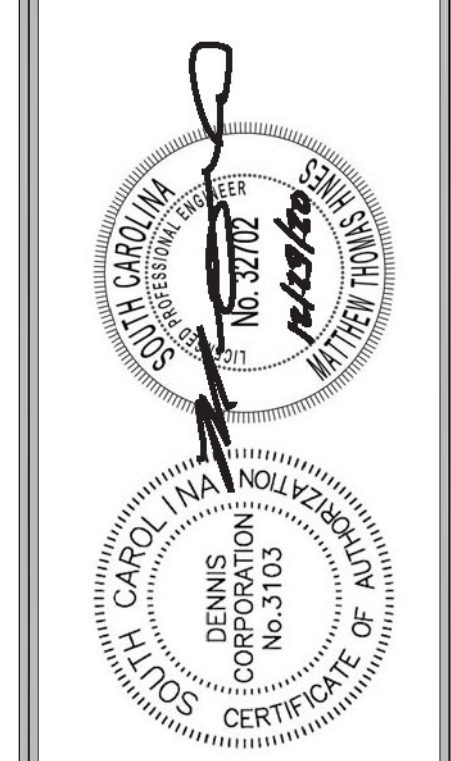
GEORGETOWN COUNTY SOUTH CAROLINA

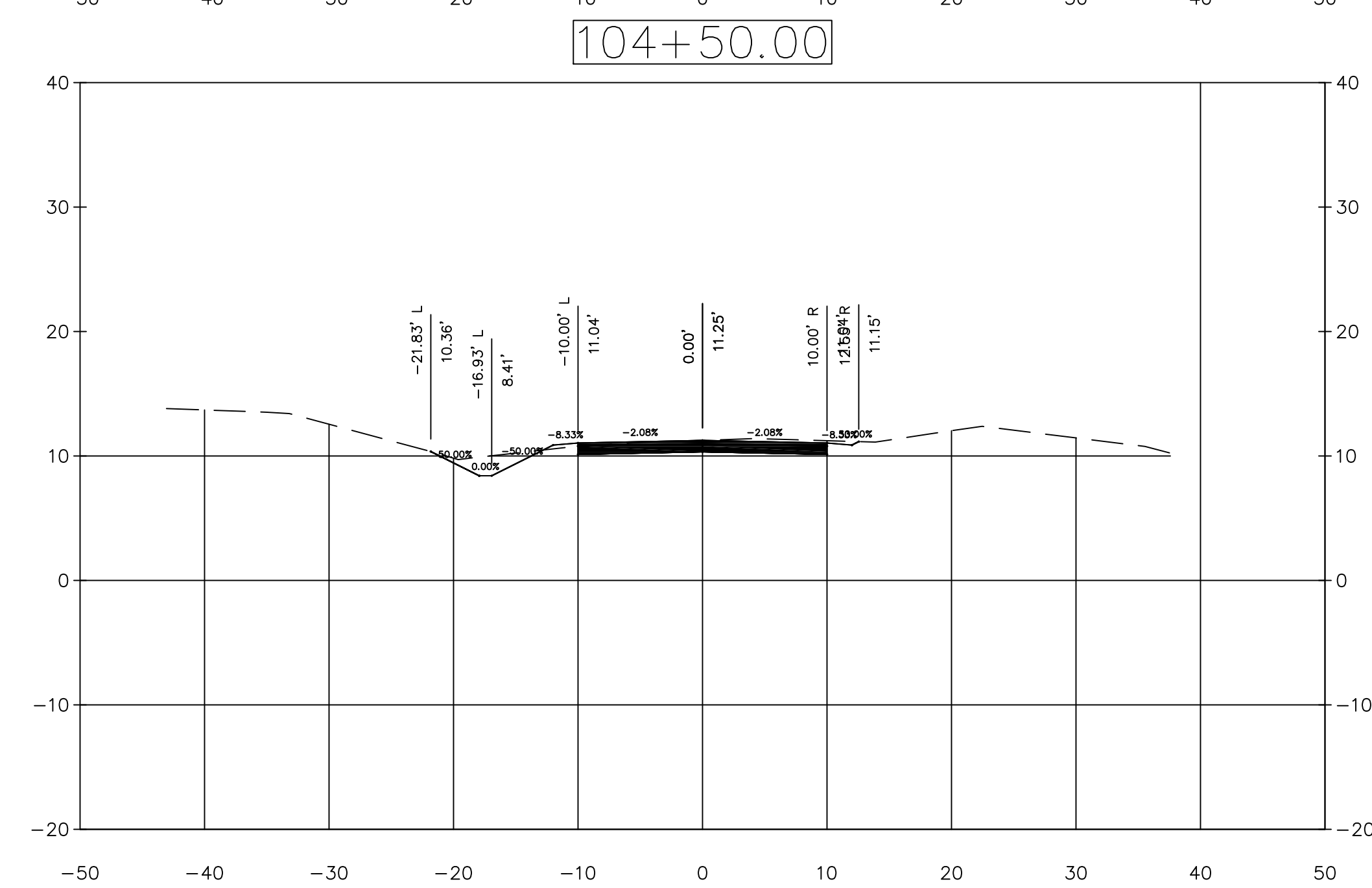
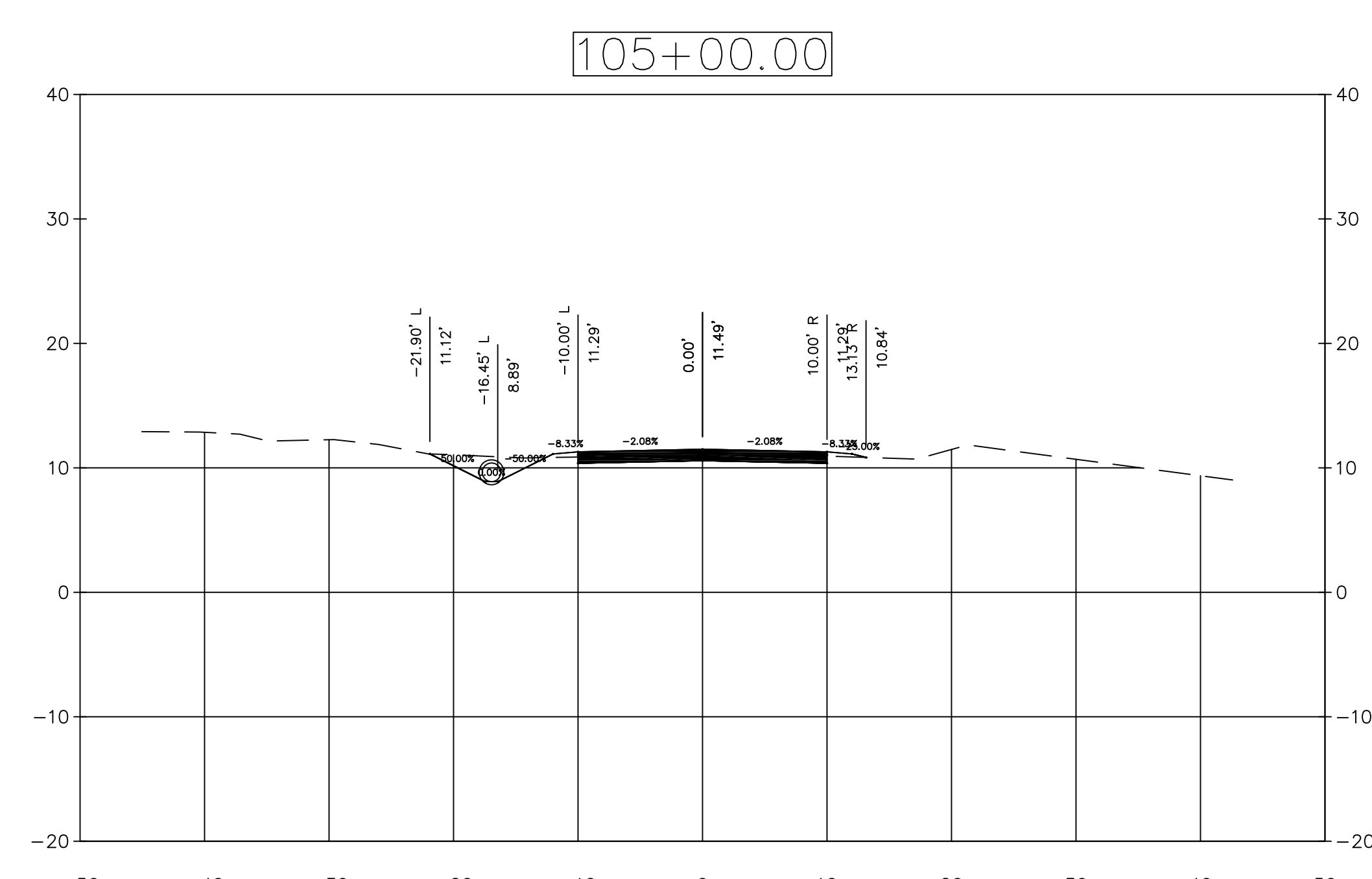
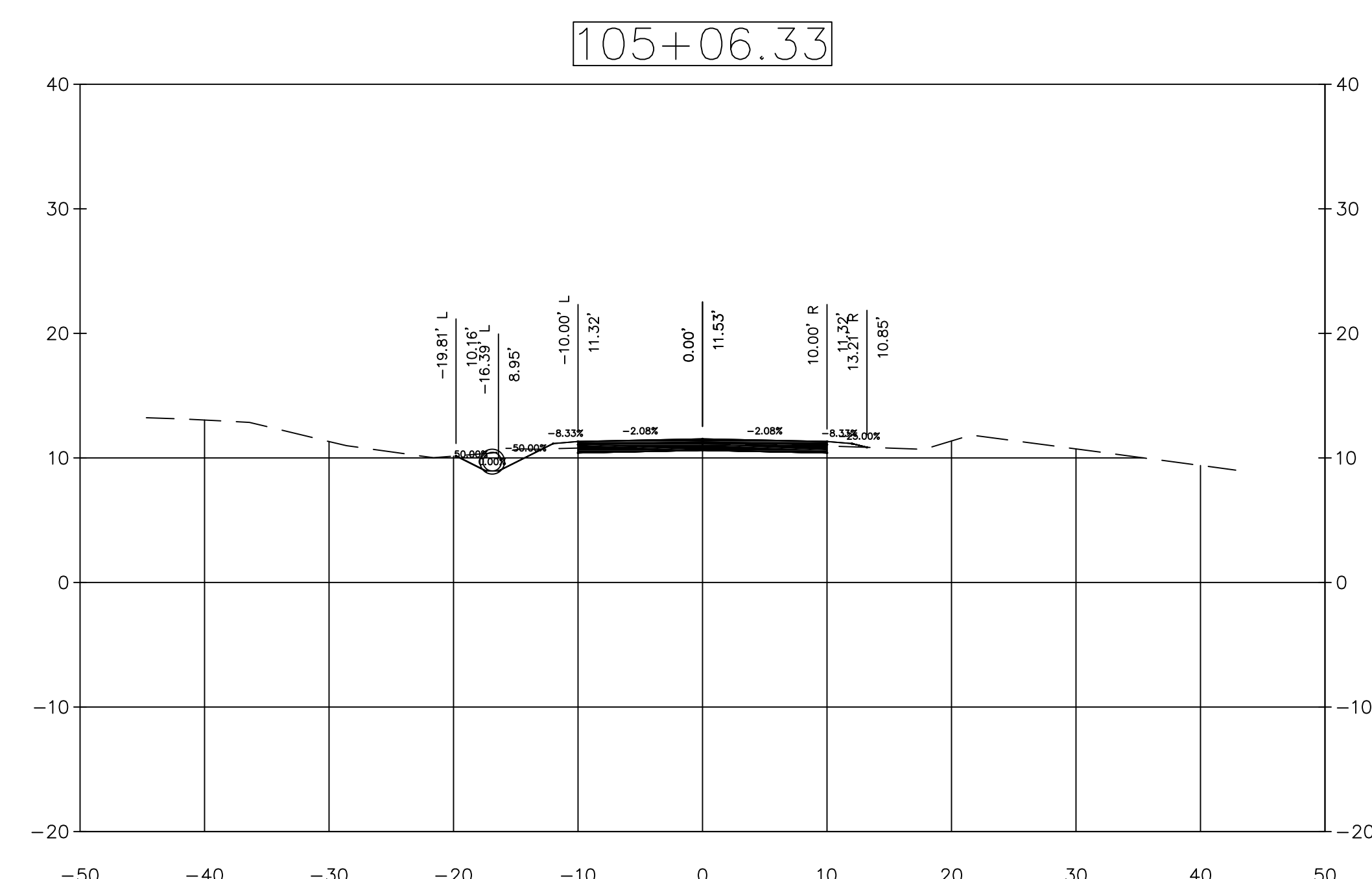
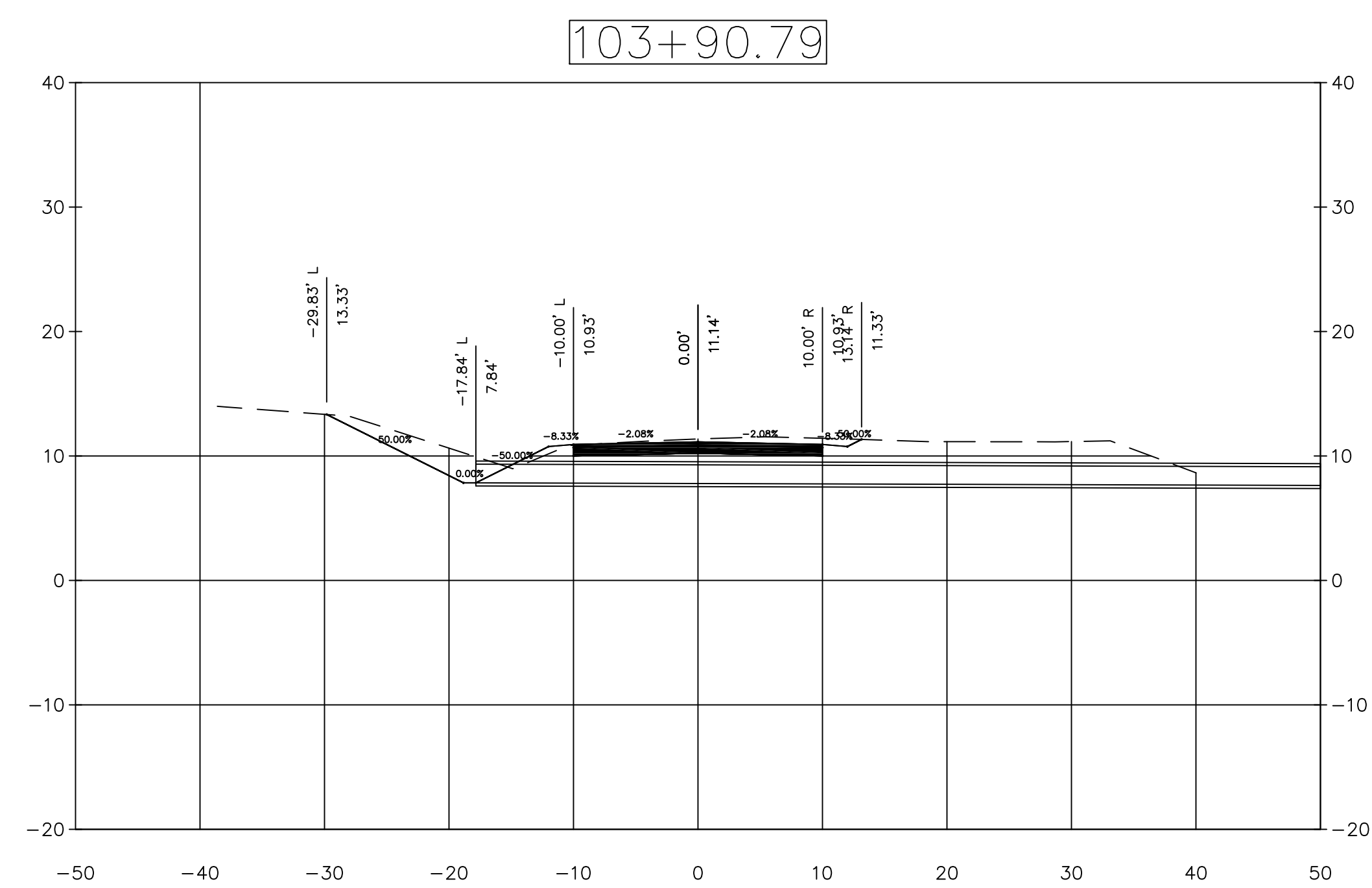
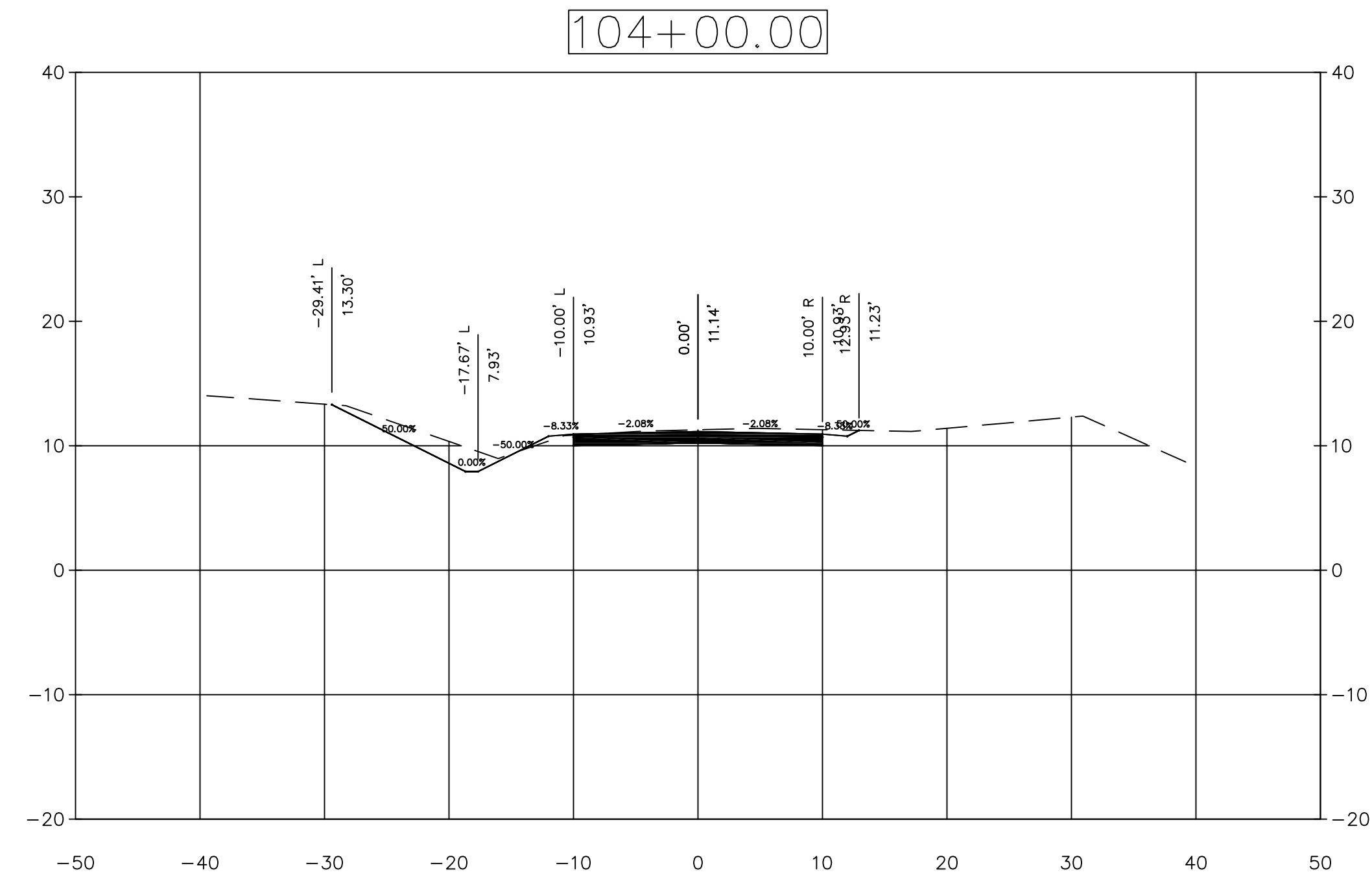
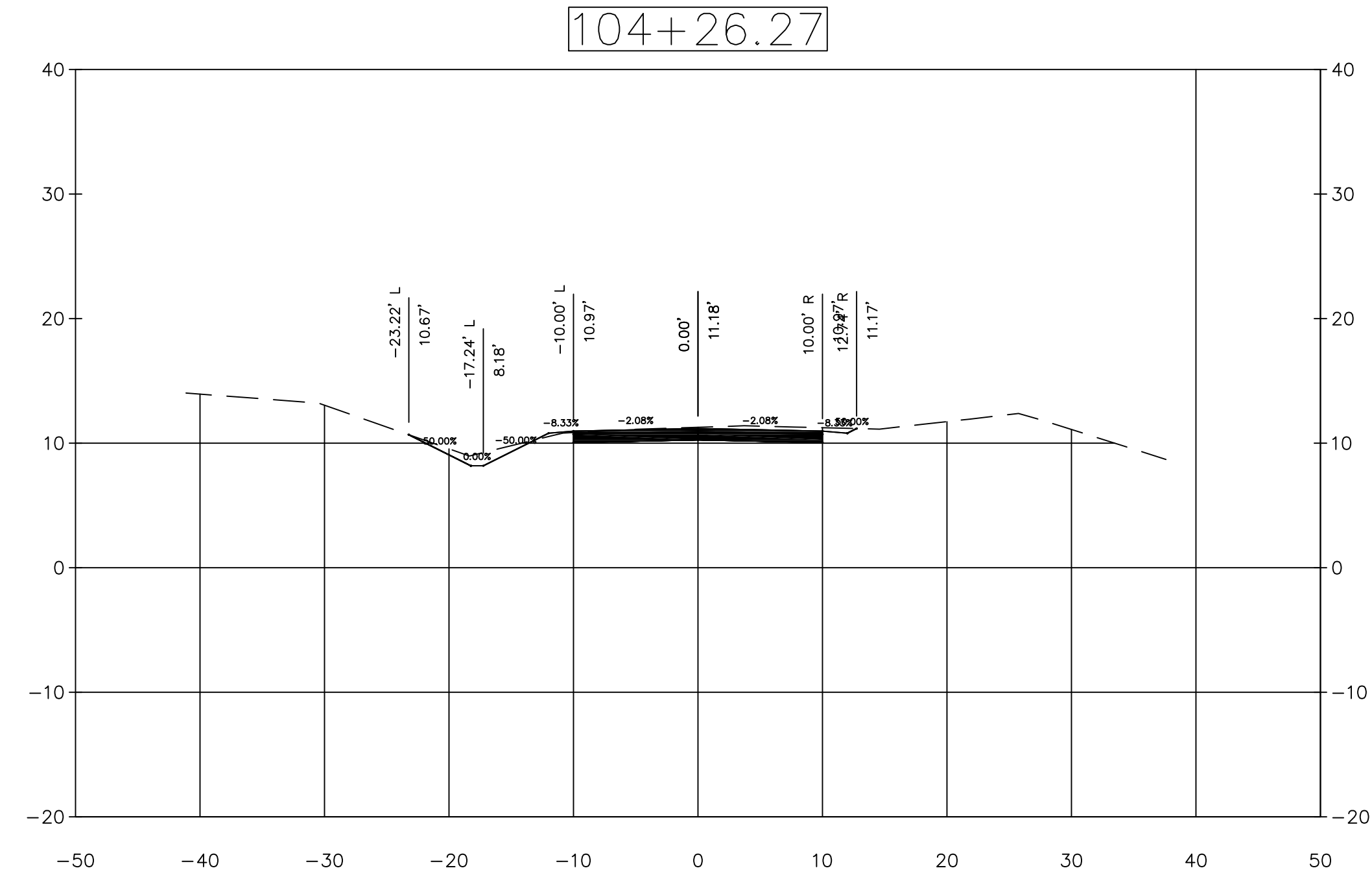
JUNE 2020

Project
G0004.32

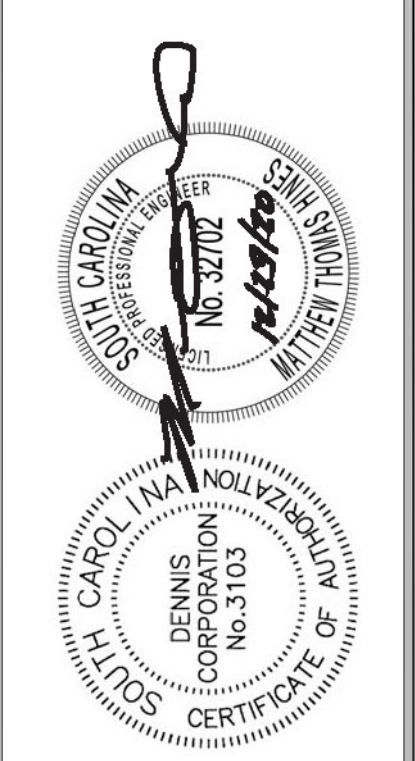
Scale
1" = 10'

Sheet
C-302





Revision	Date	Description

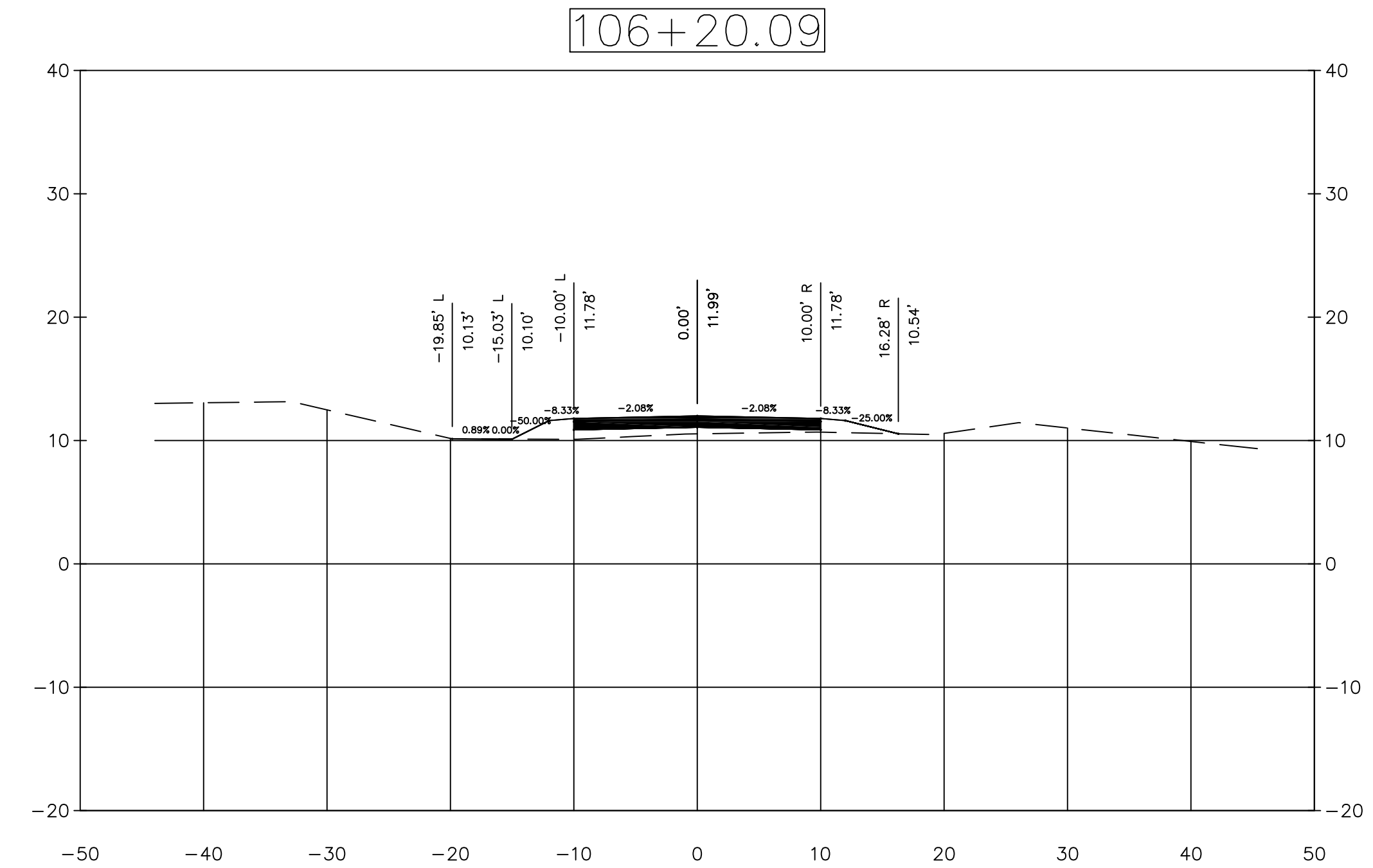
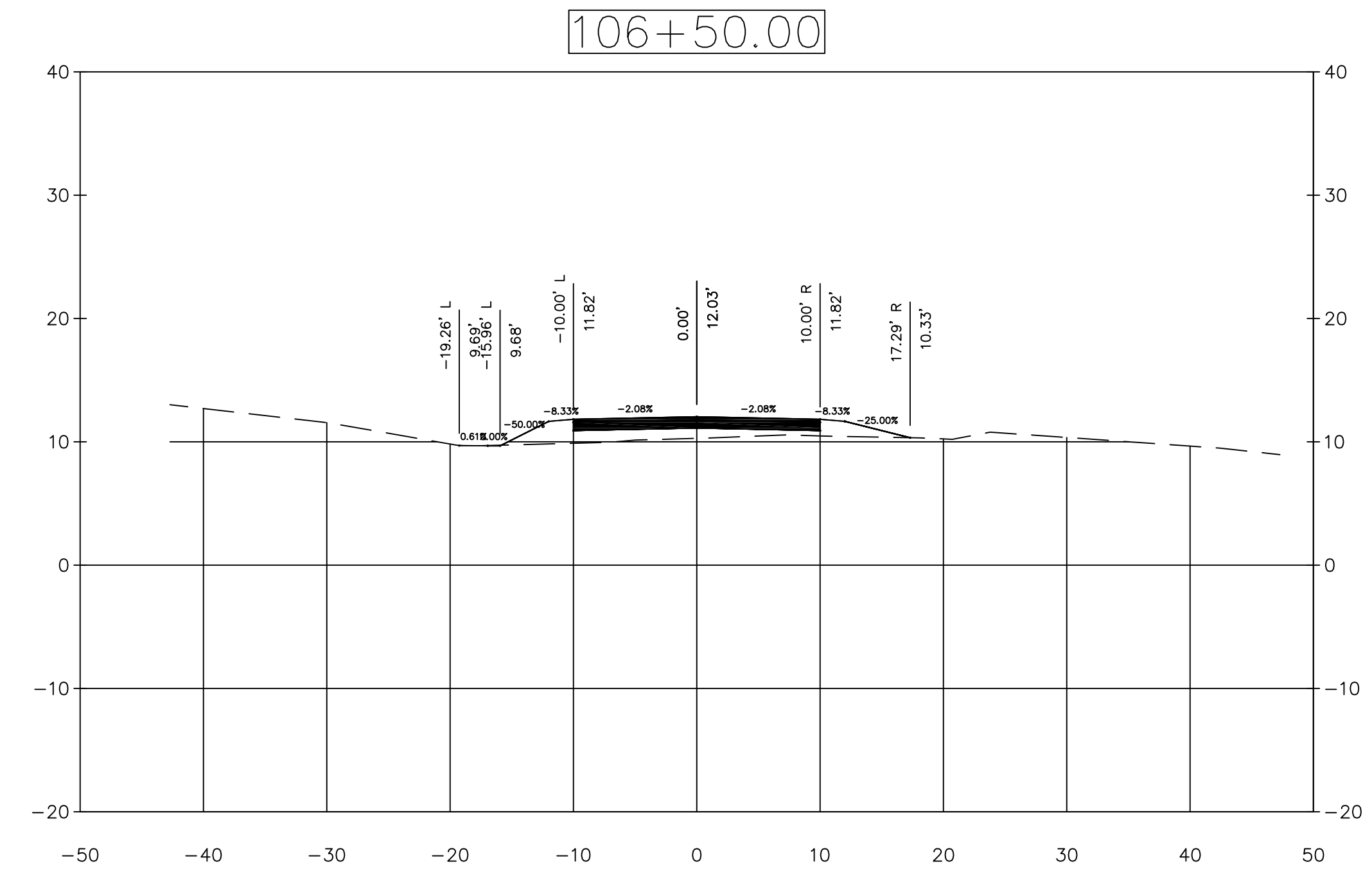
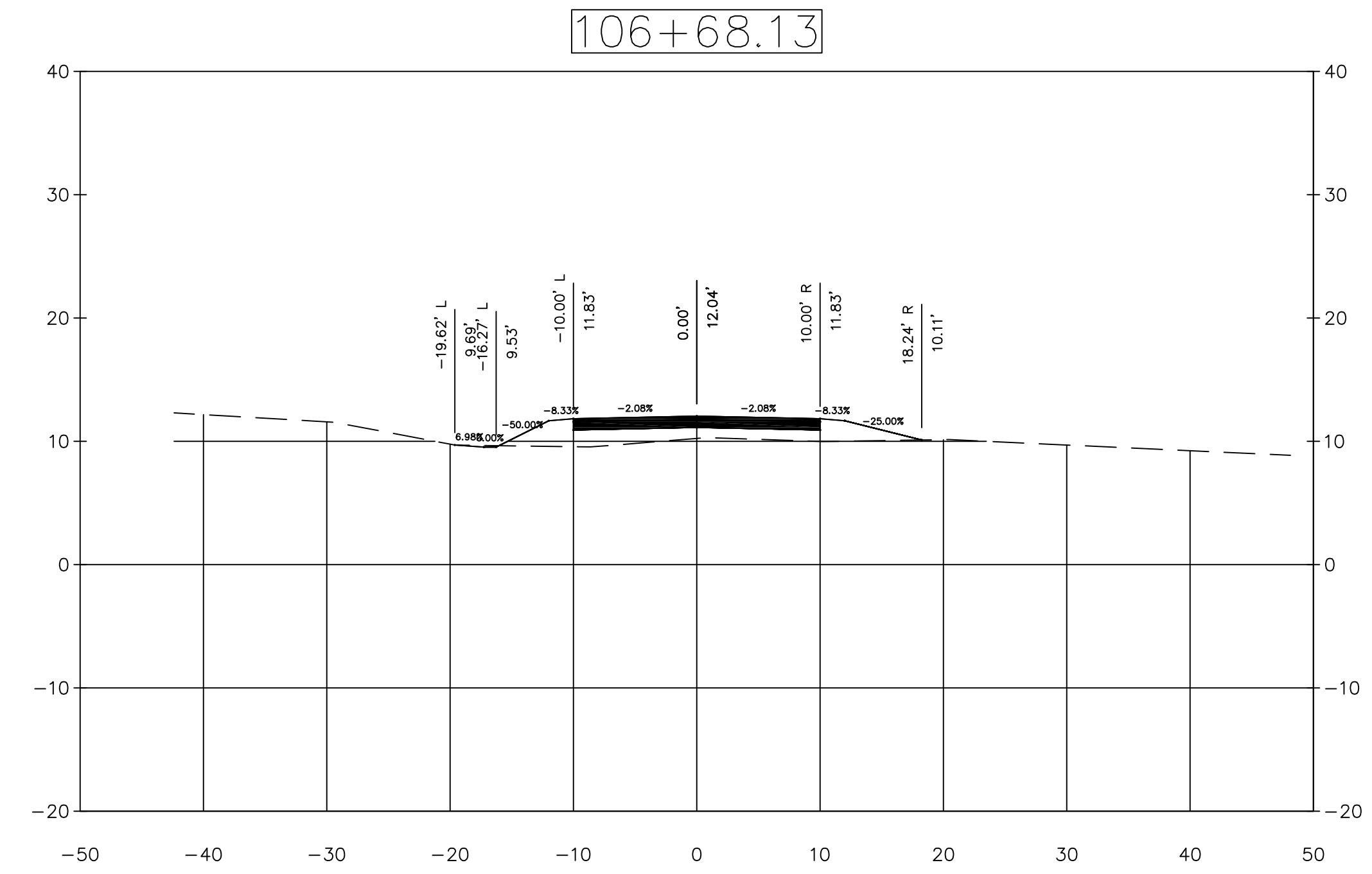
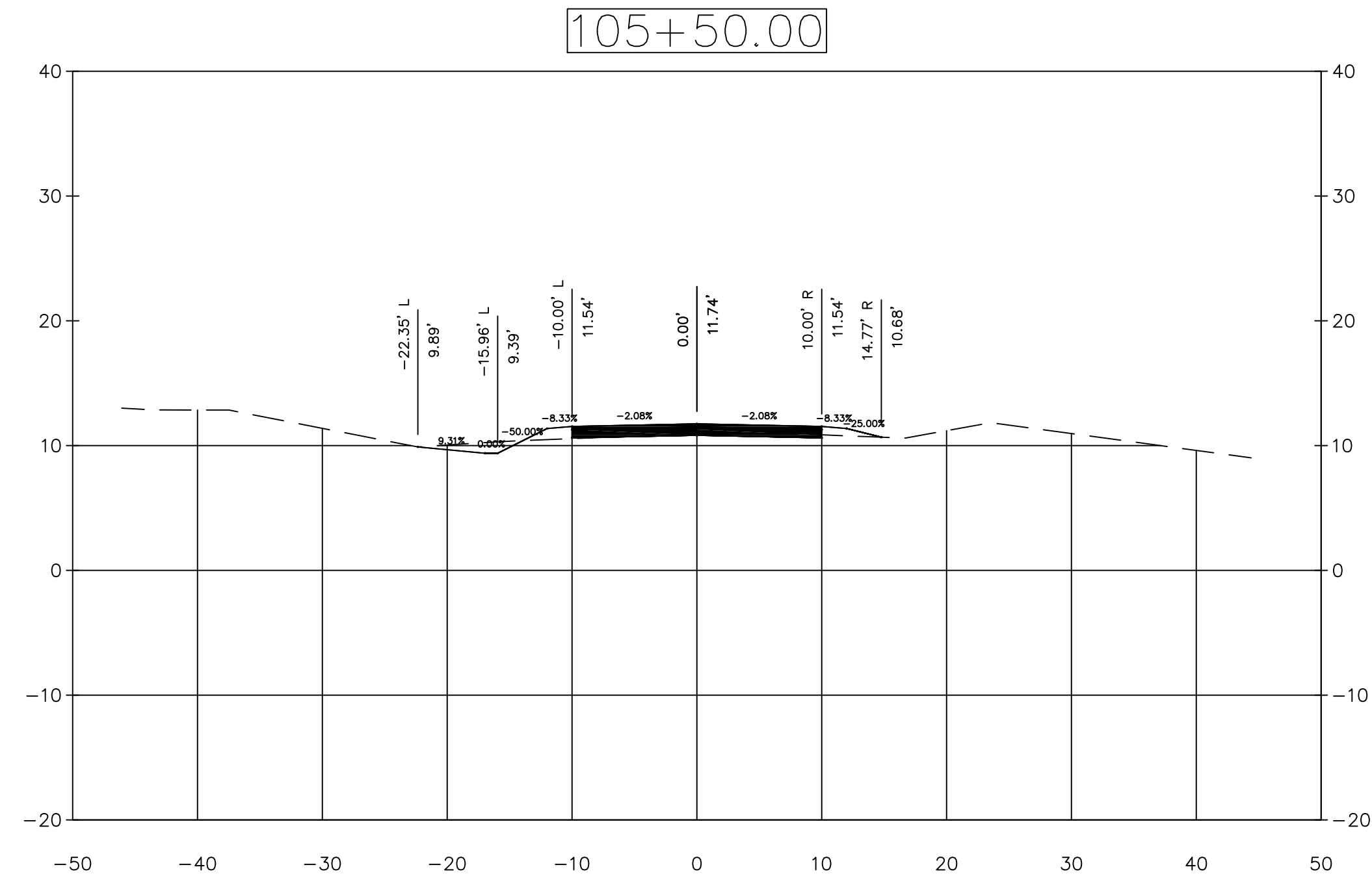
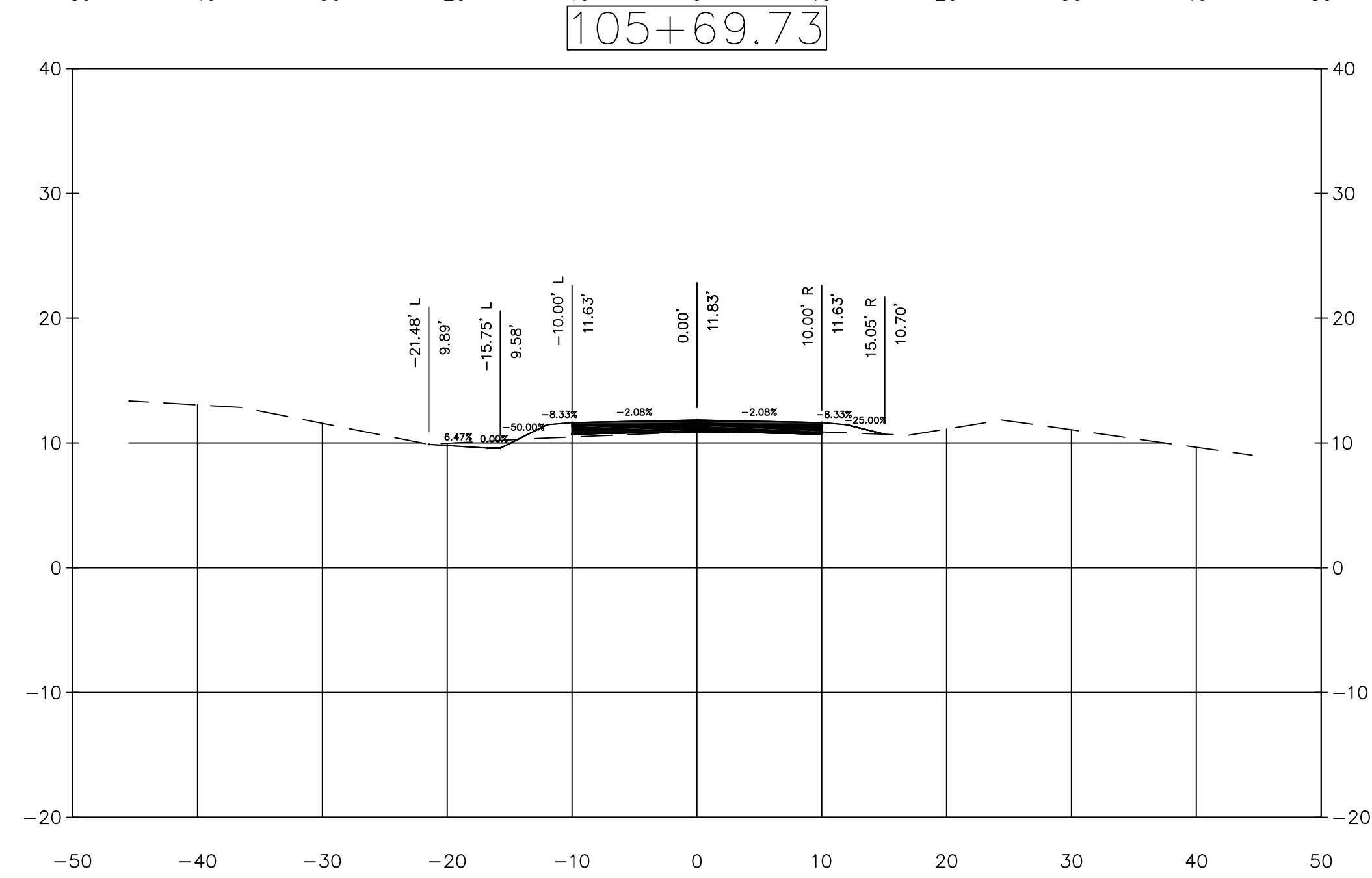
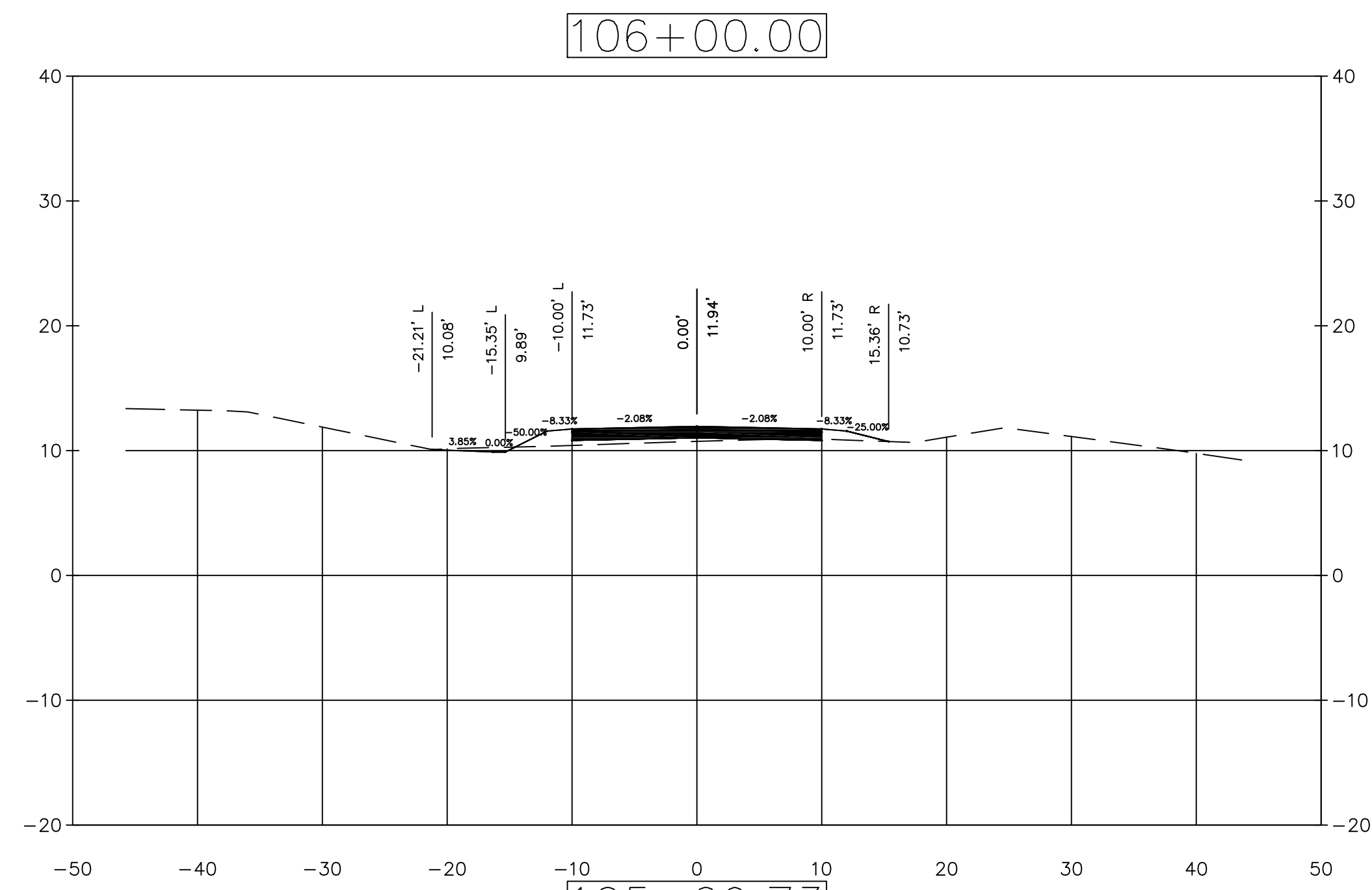


Engineer
M. Hines
Drawn By
S. Pollard
Checked By
M. Hines

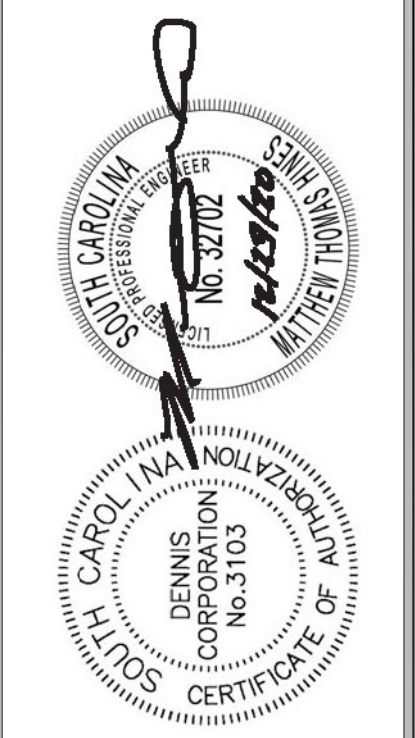
CROSS SECTIONS
CORNER LOOP
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

Project
G0004.32
Scale
1" = 10'
Sheet
C-303



Revision	Date	Description

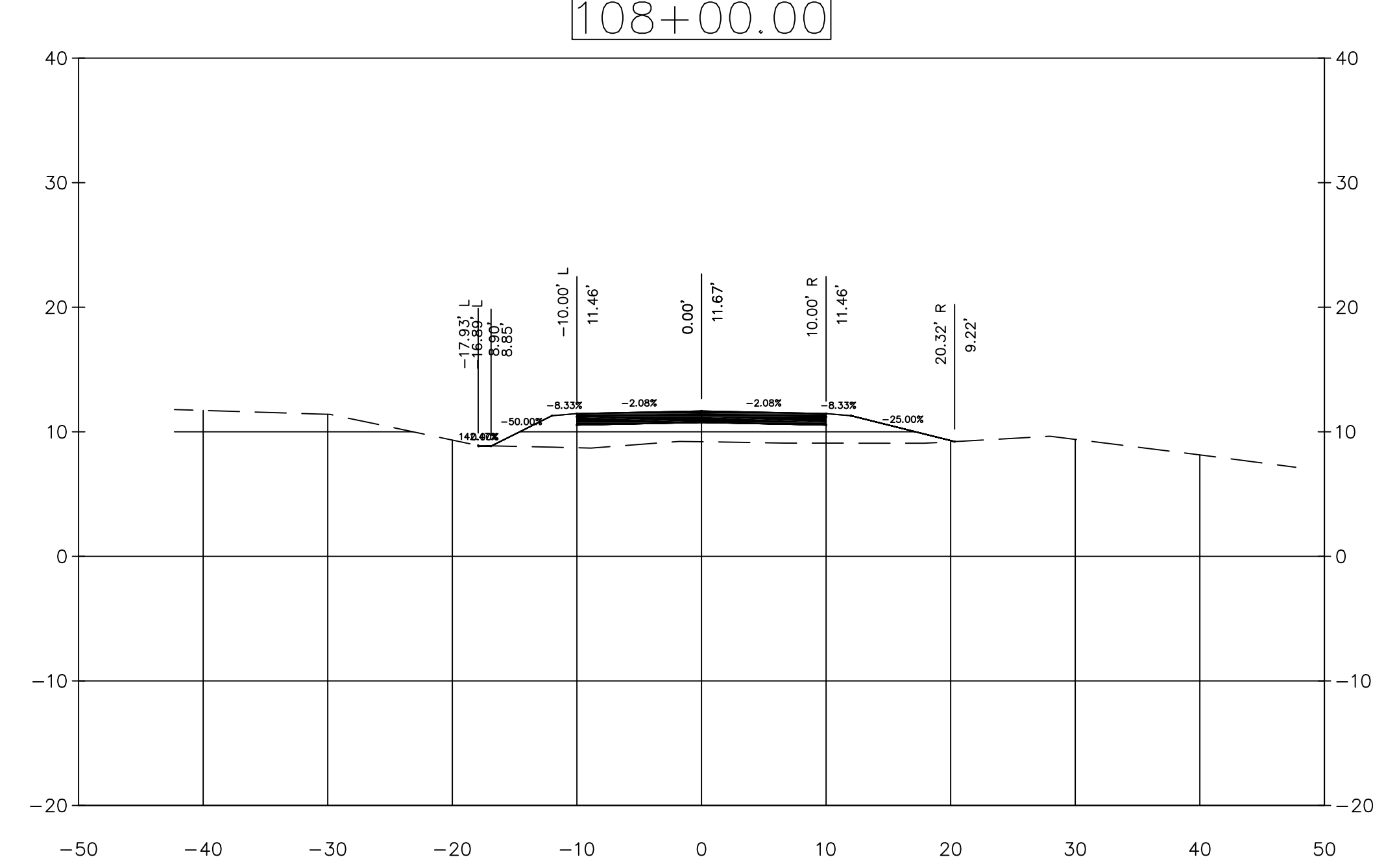
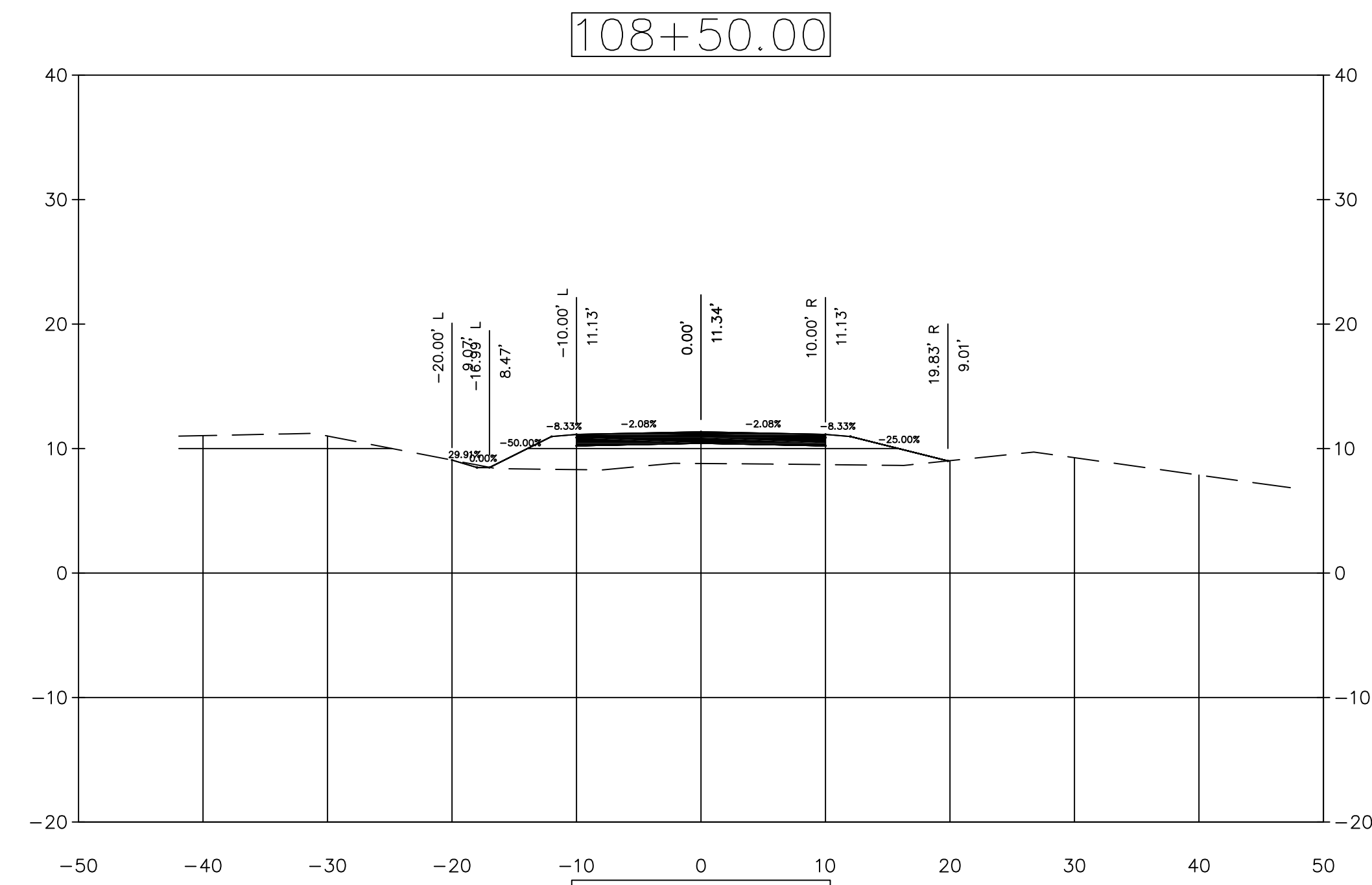
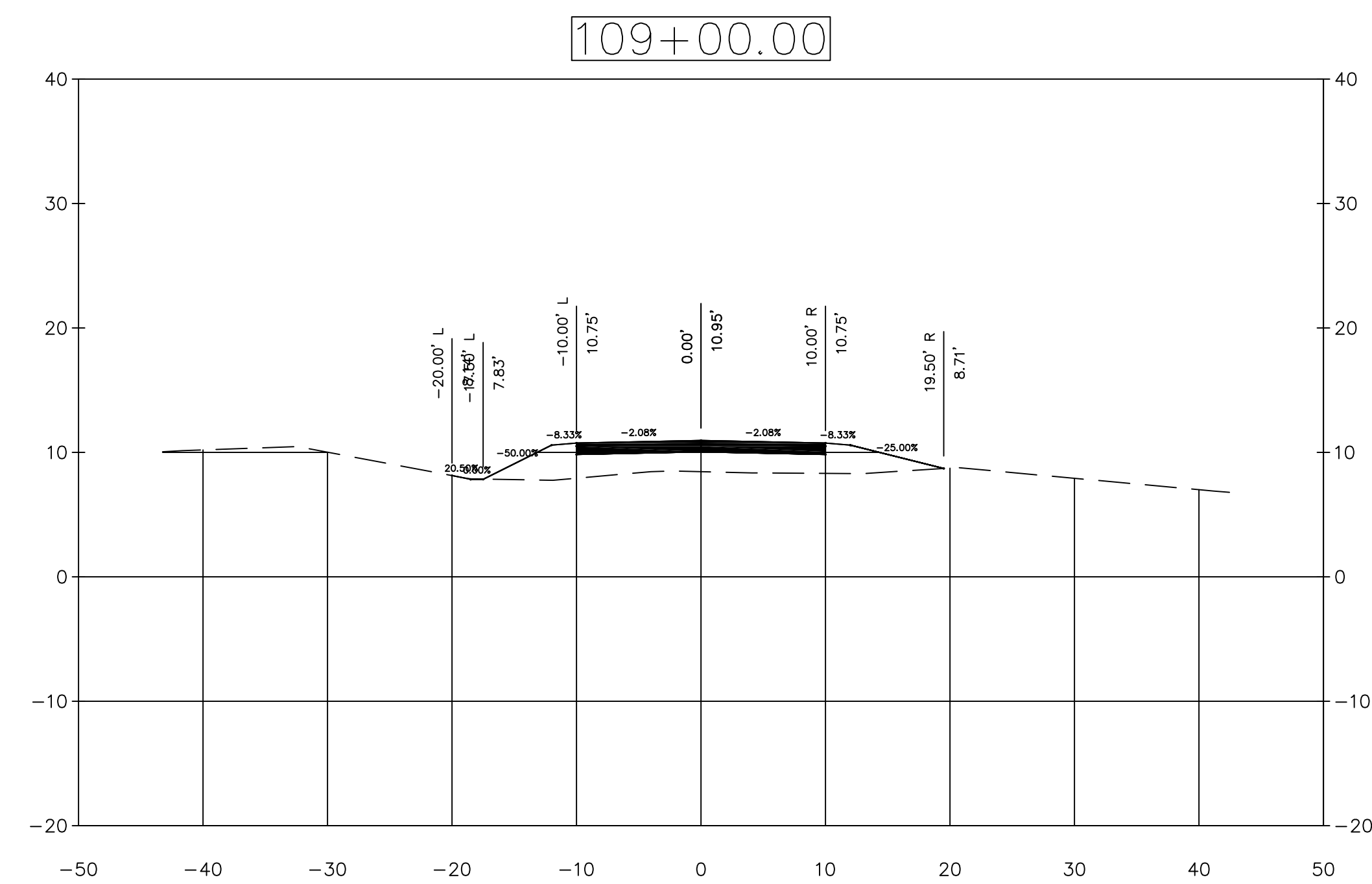
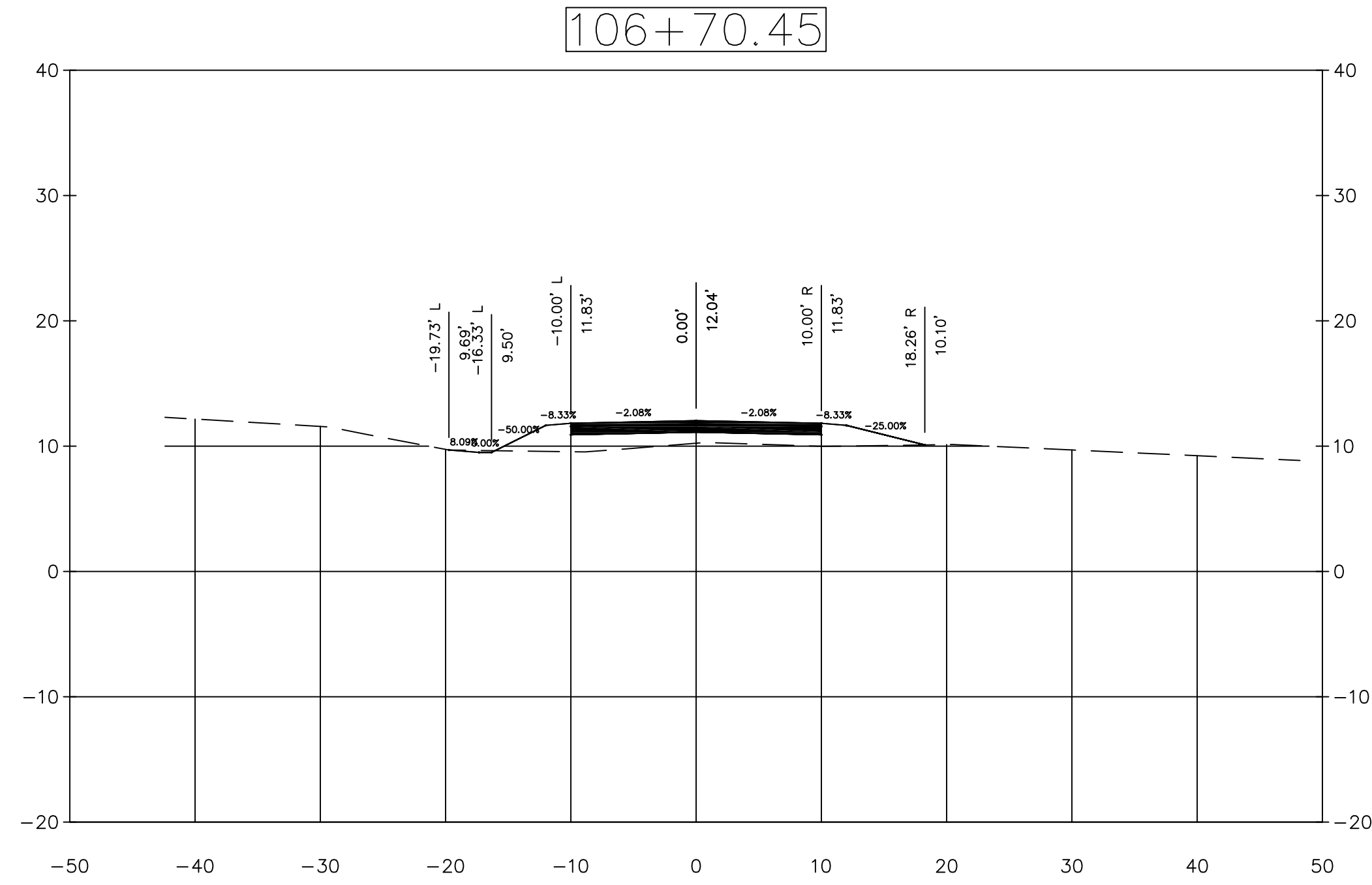
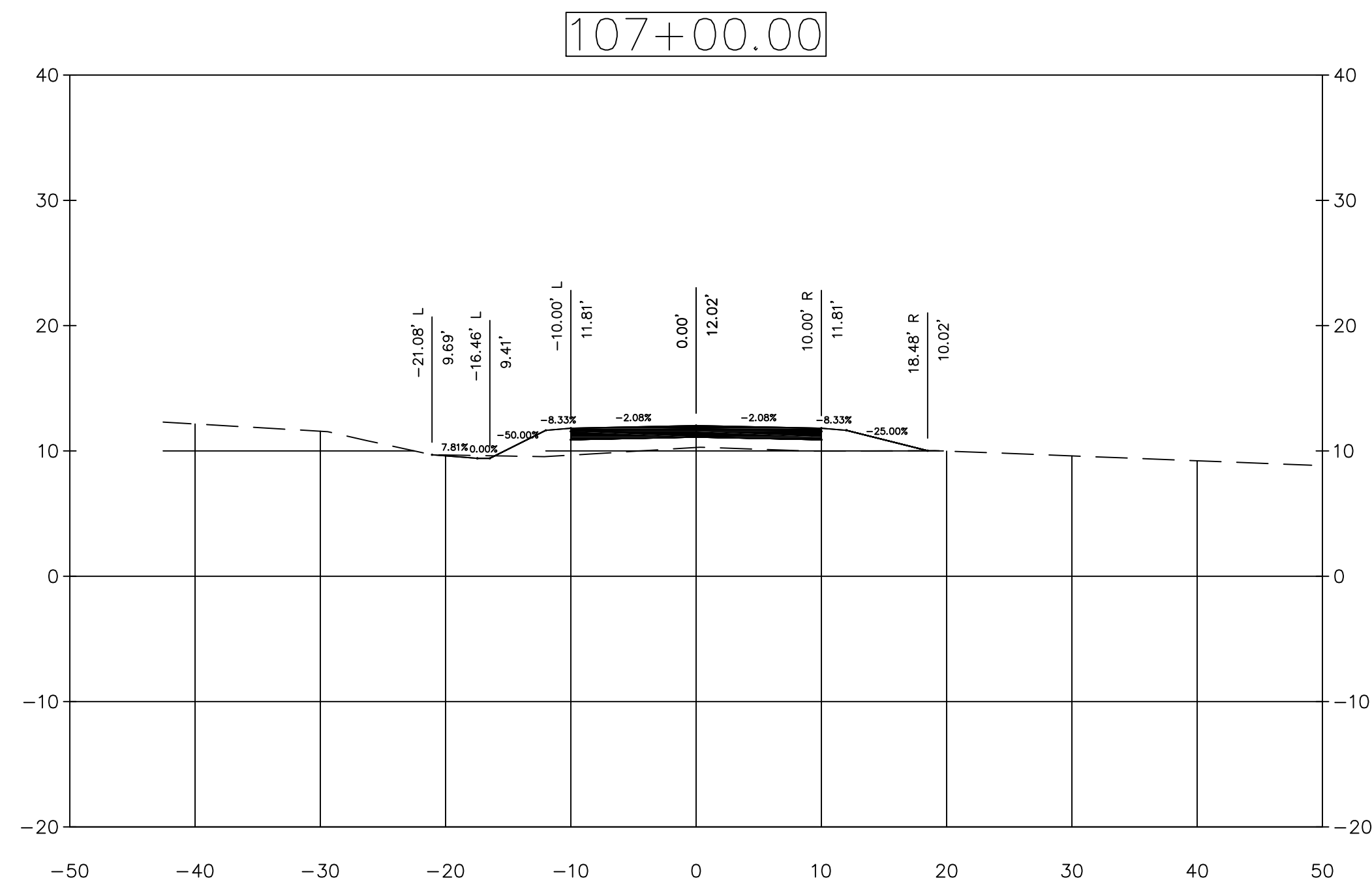
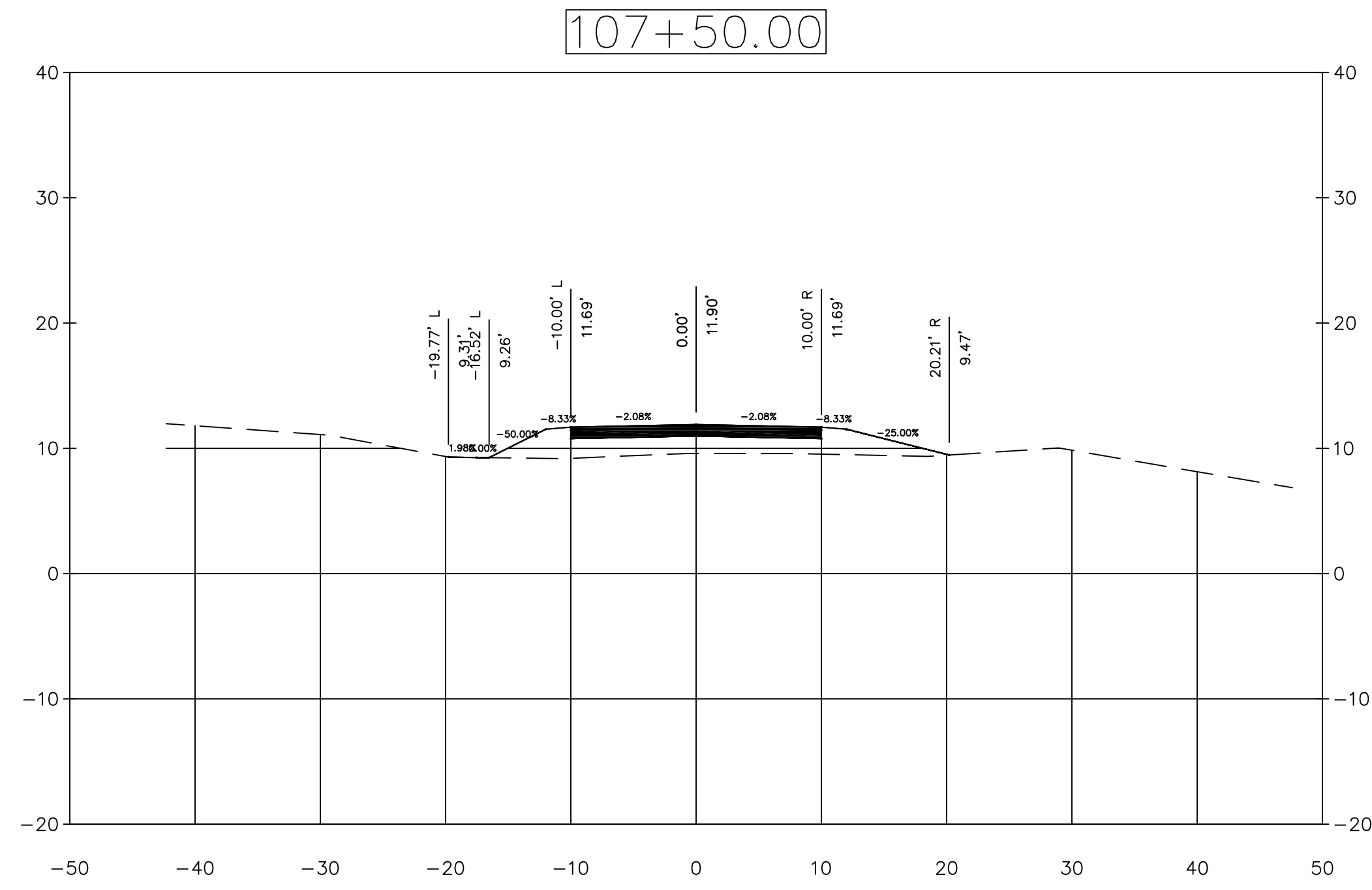


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

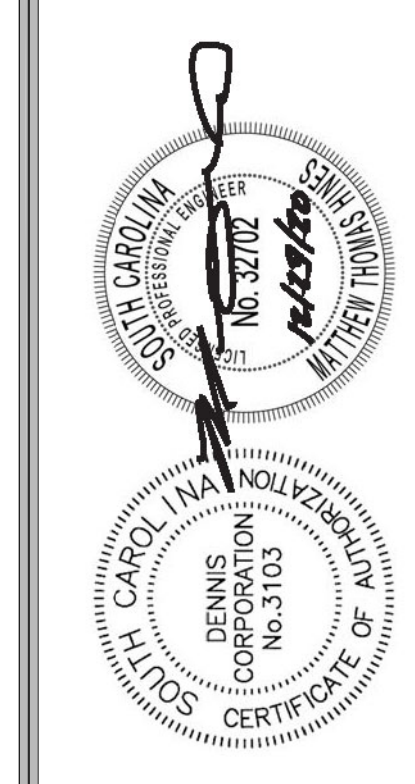
CROSS SECTIONS
 CORNER LOOP
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA

Project: G0004.32
 Scale: 1" = 10'
 Sheet: C-304



Revision	Date	Description

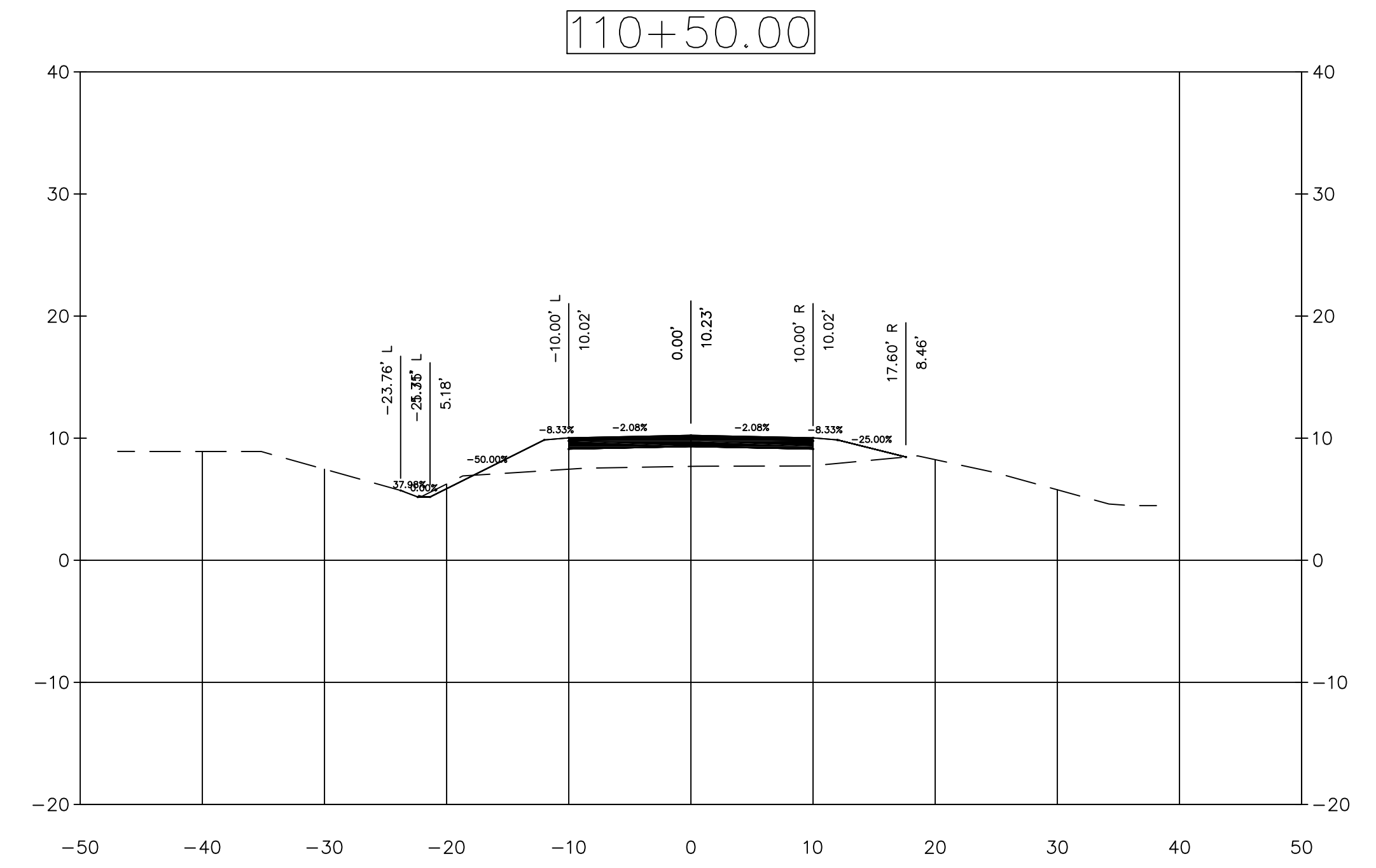
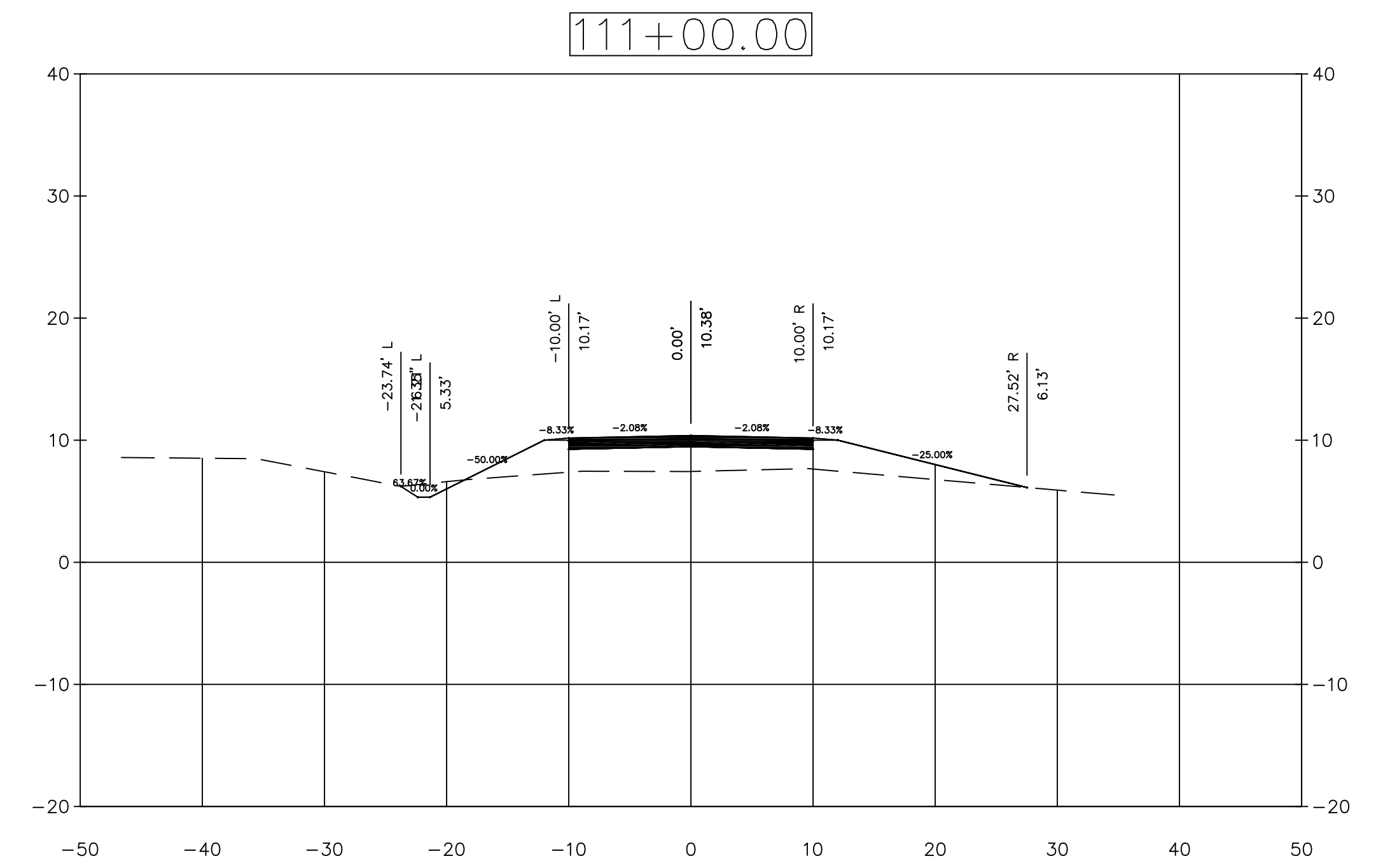
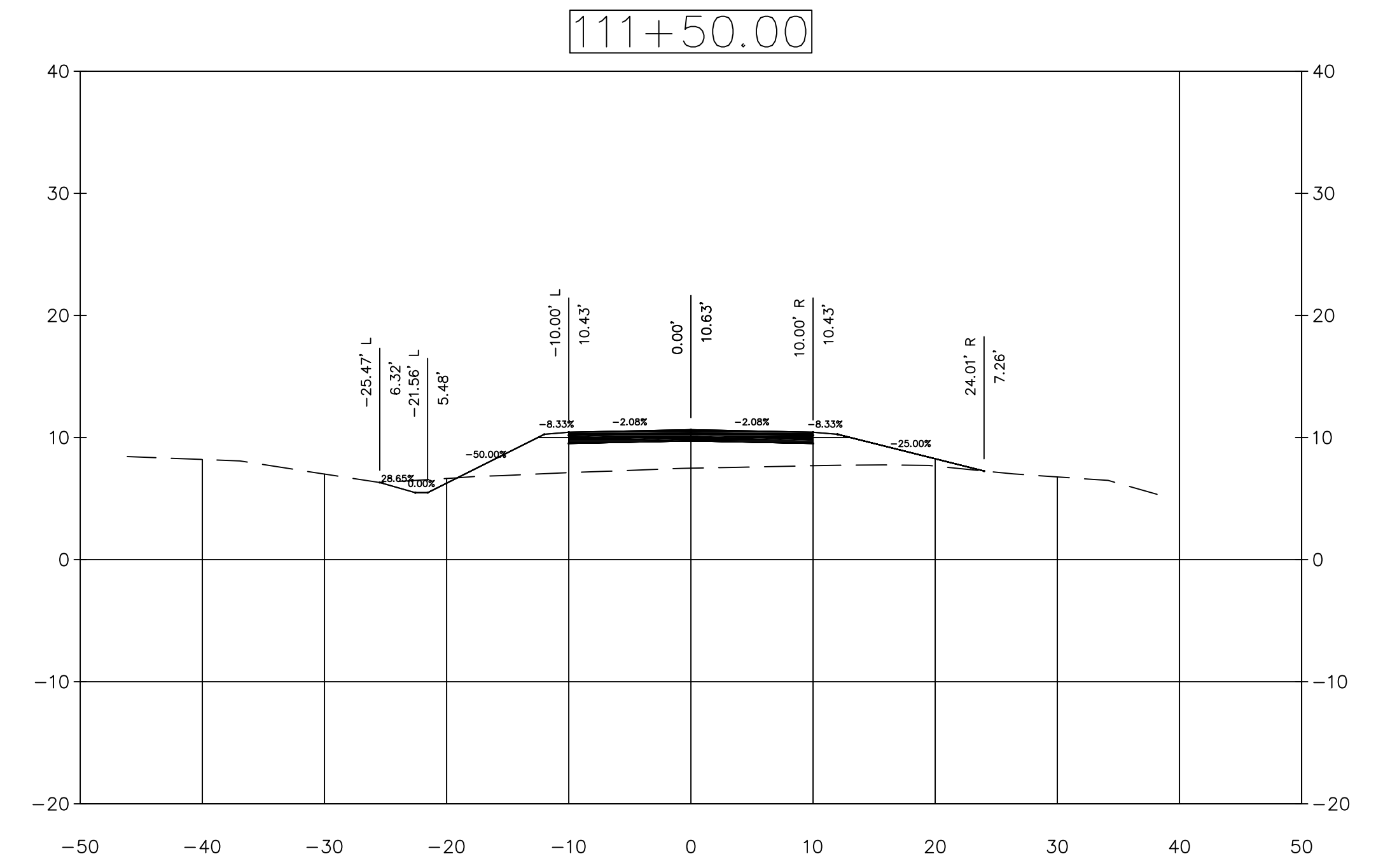
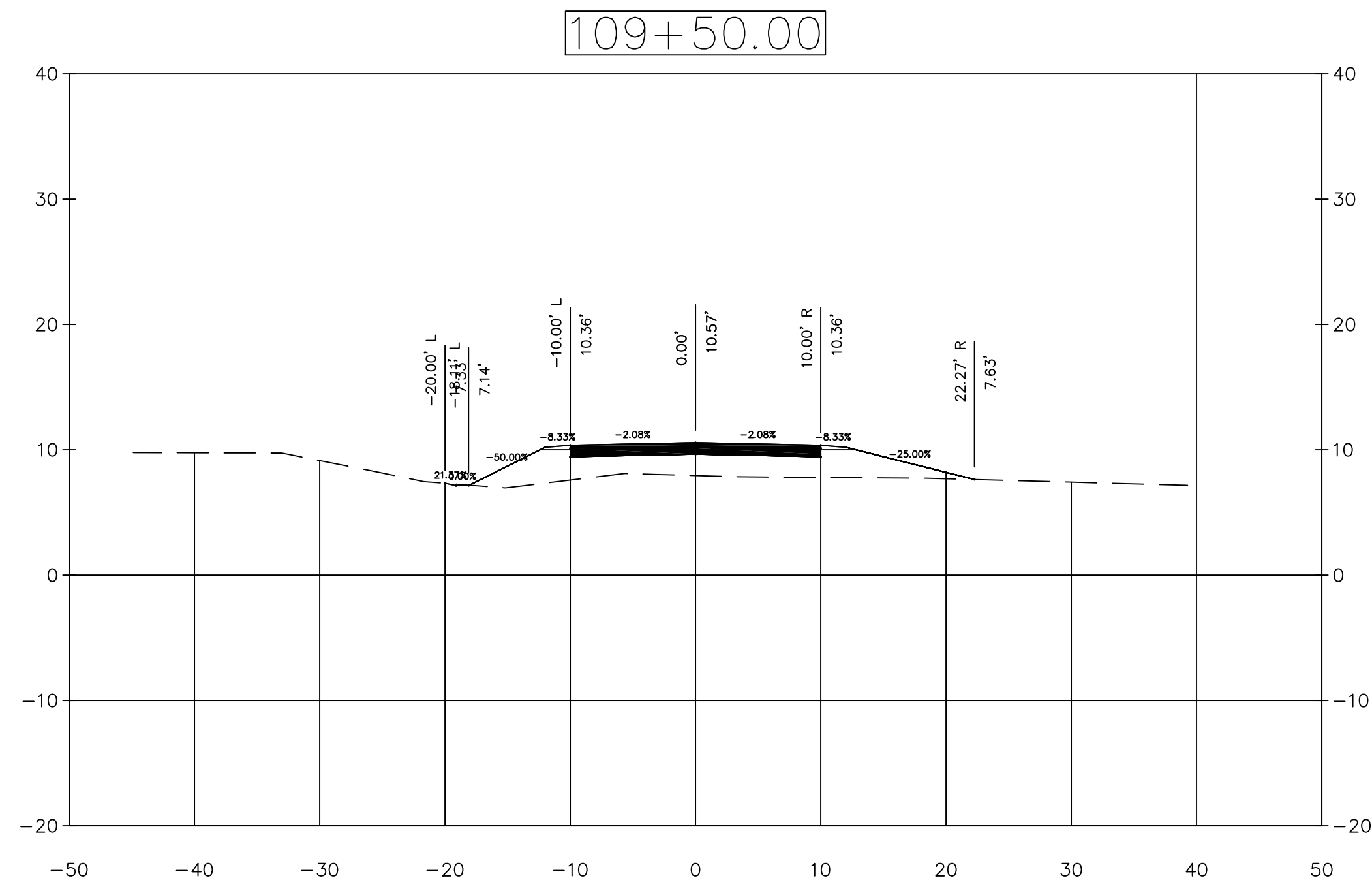
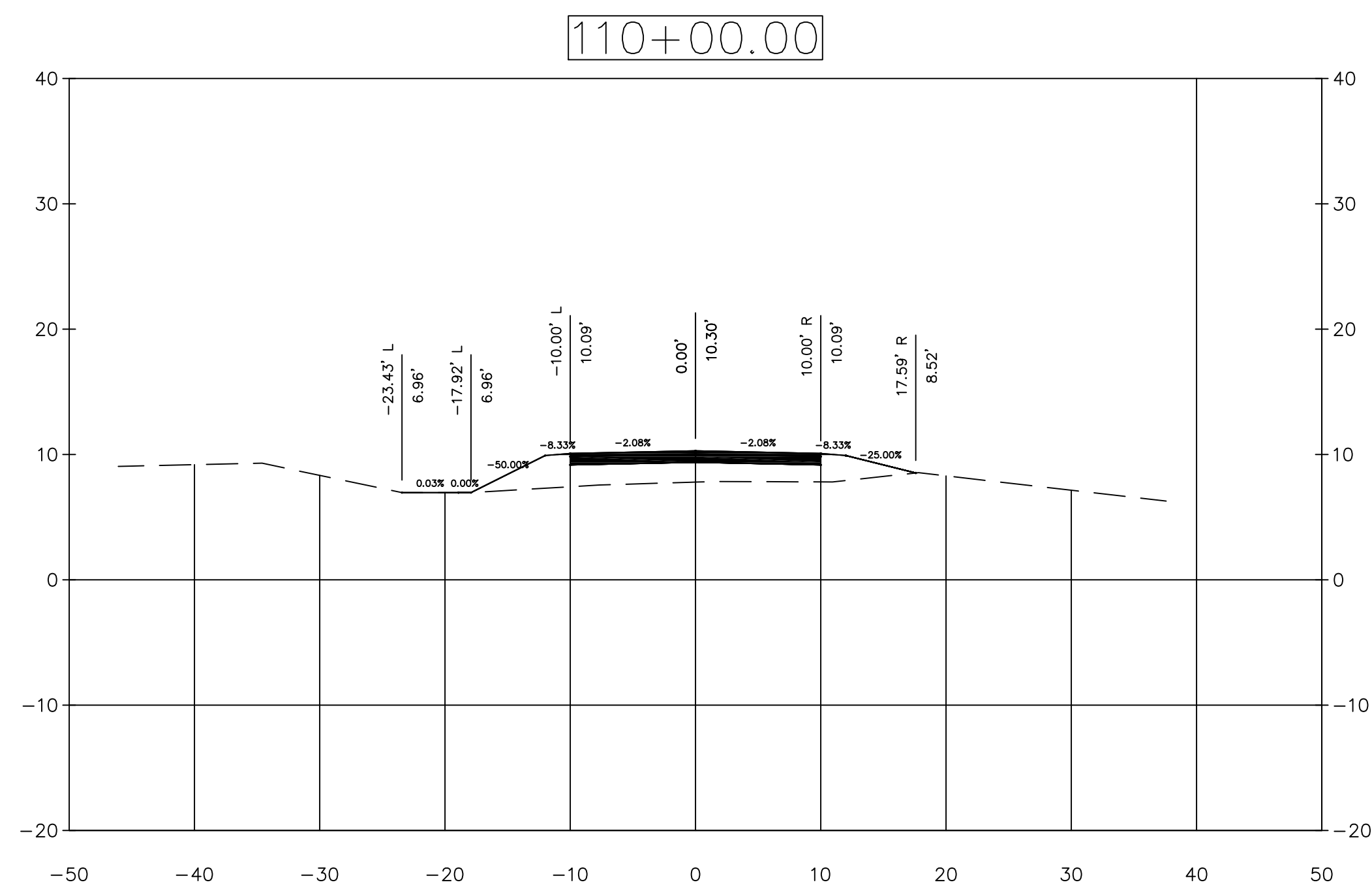
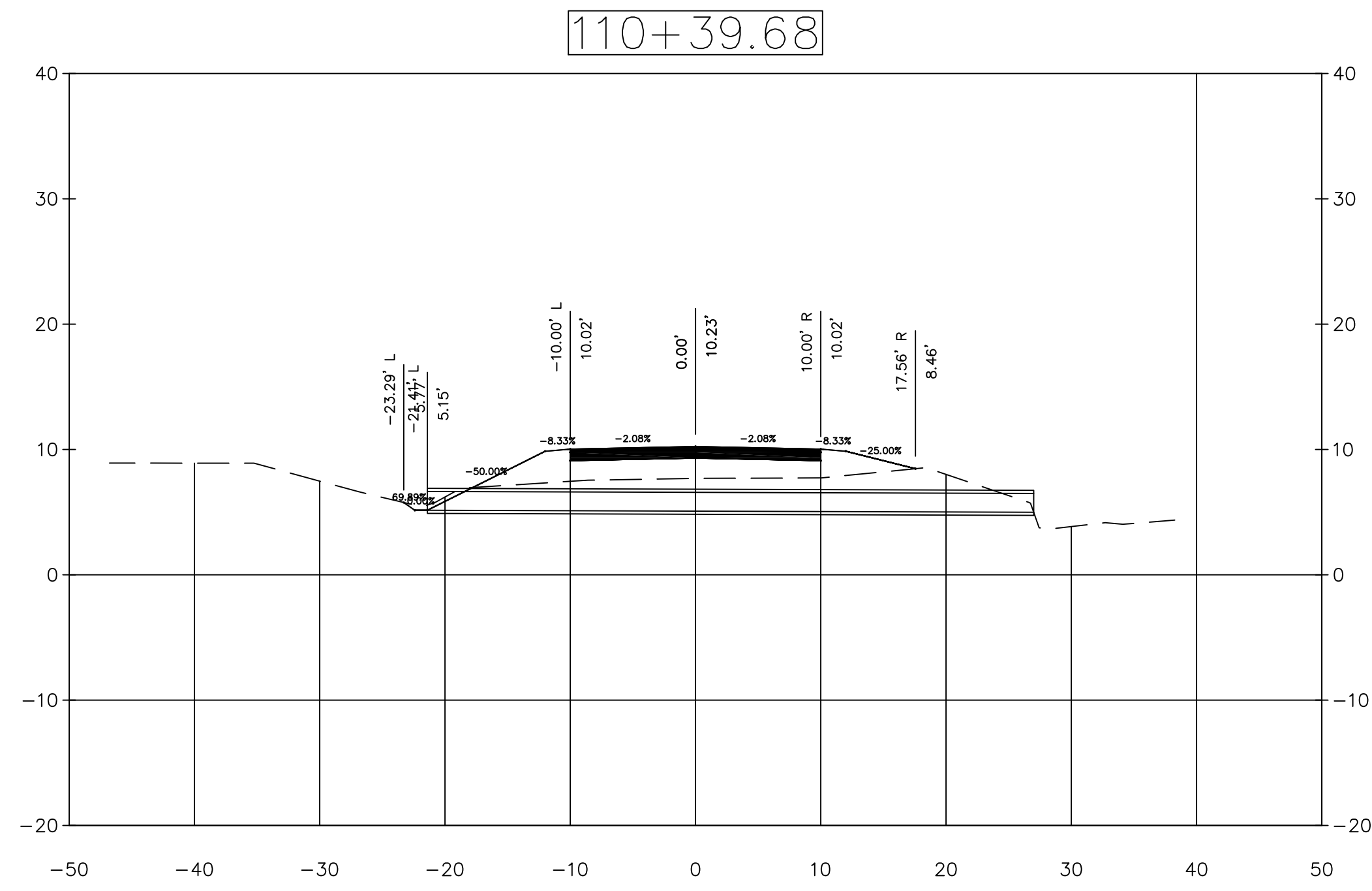


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

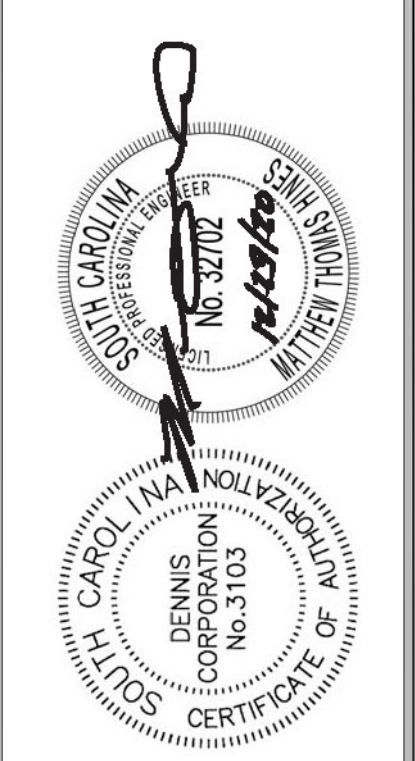
CROSS SECTIONS
 CORNER LOOP
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project: G0004.32
 Scale: 1" = 10'
 Sheet: C-305



Revision	Date	Description

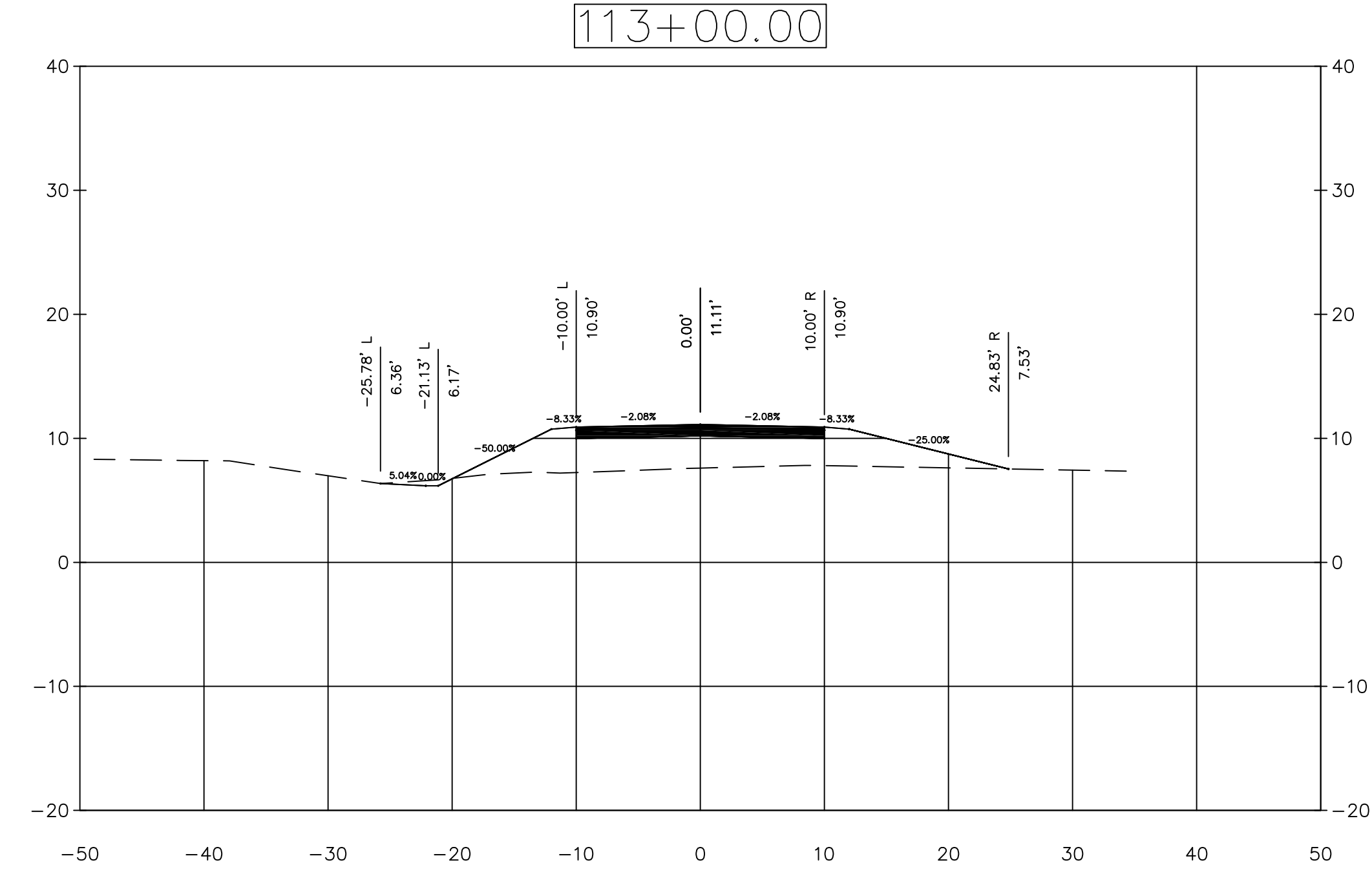
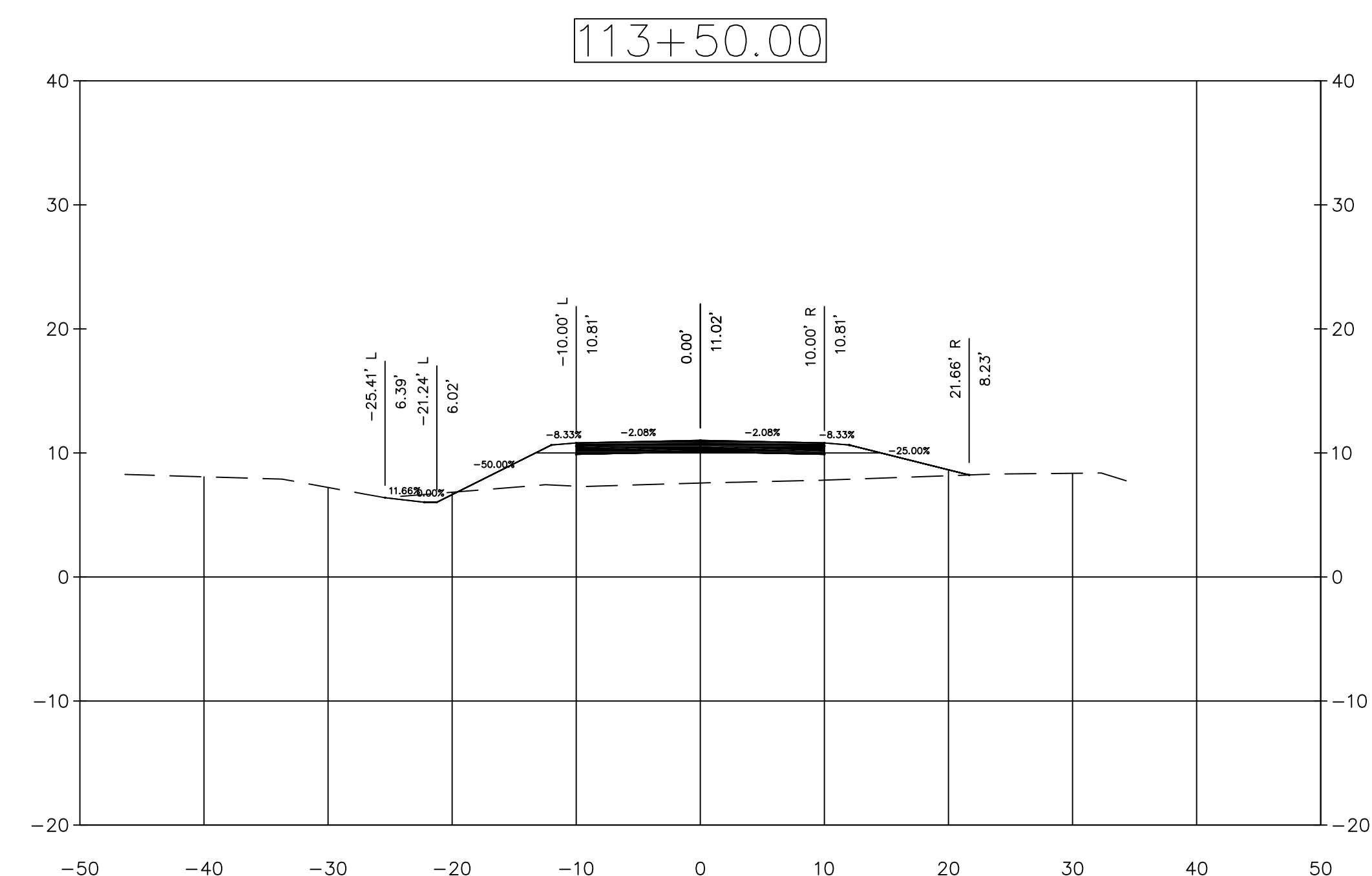
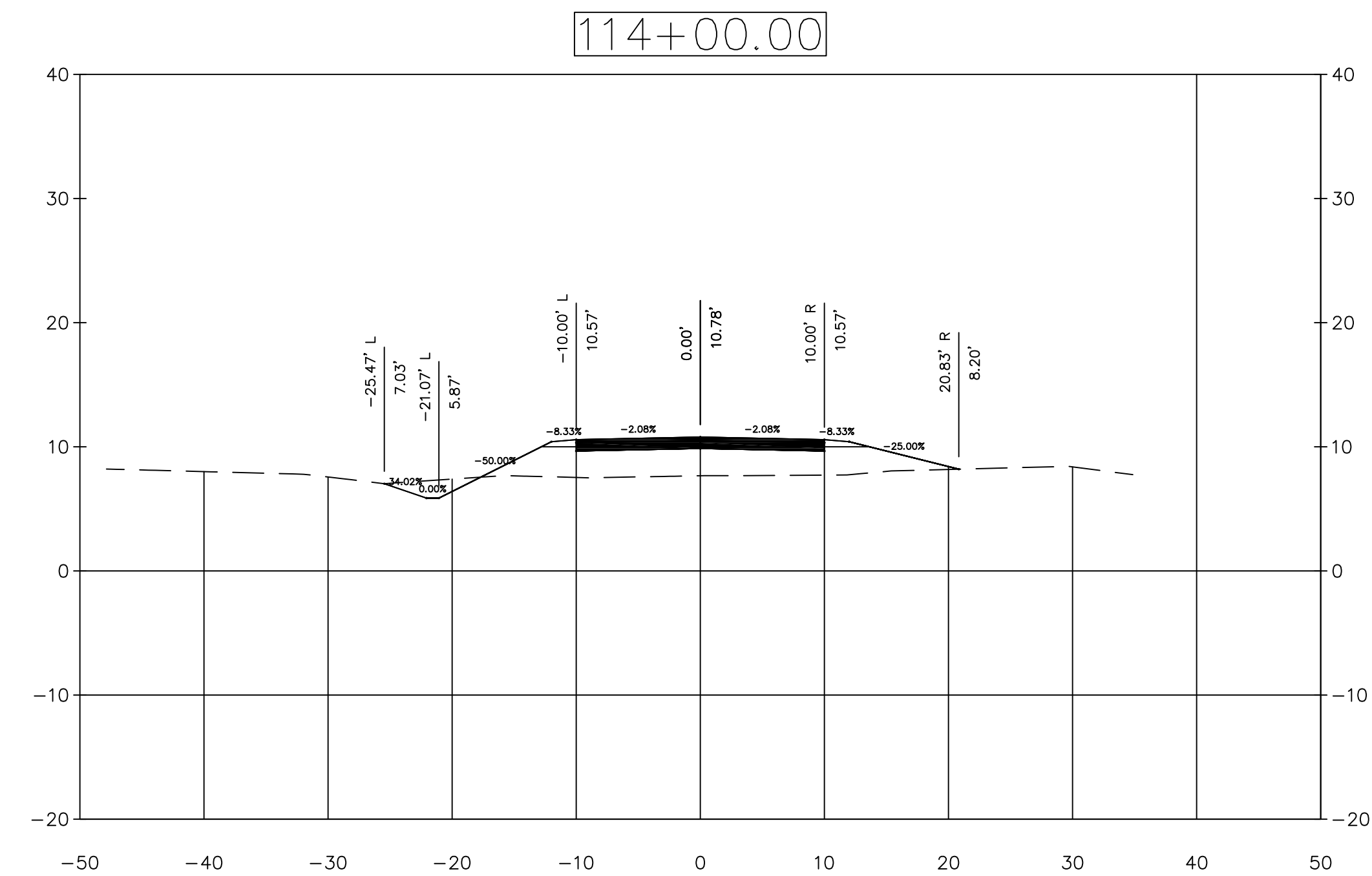
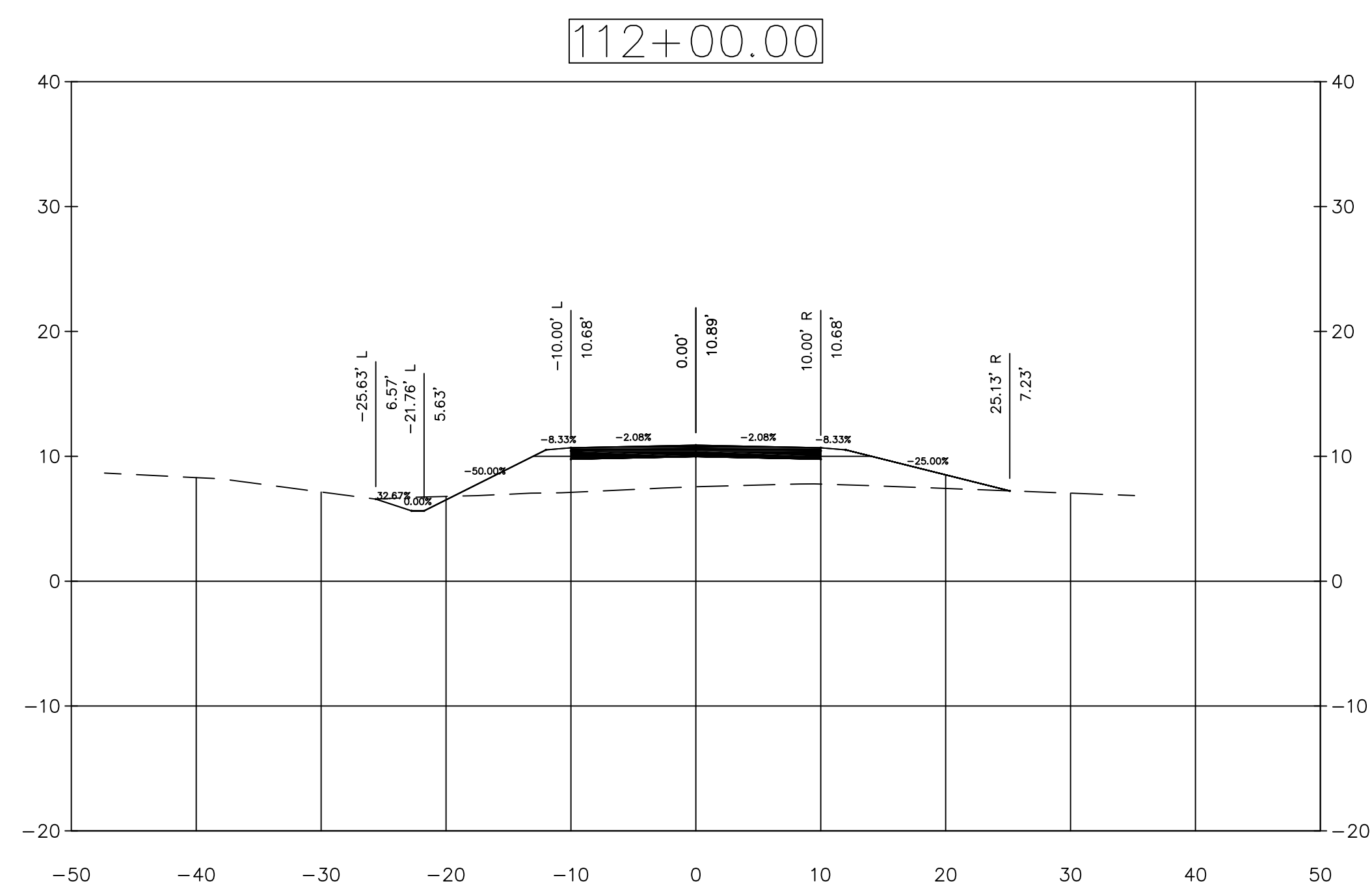
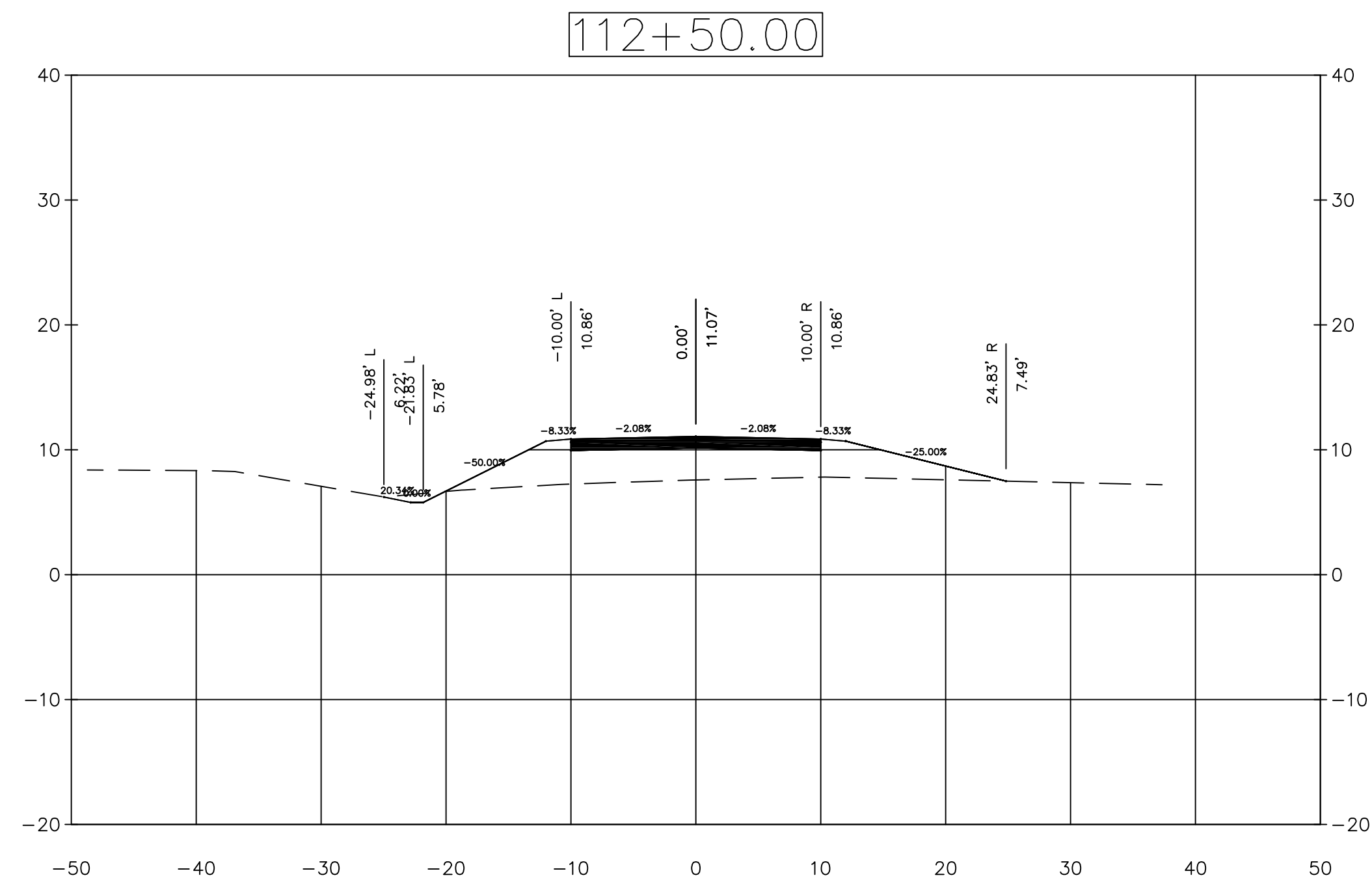
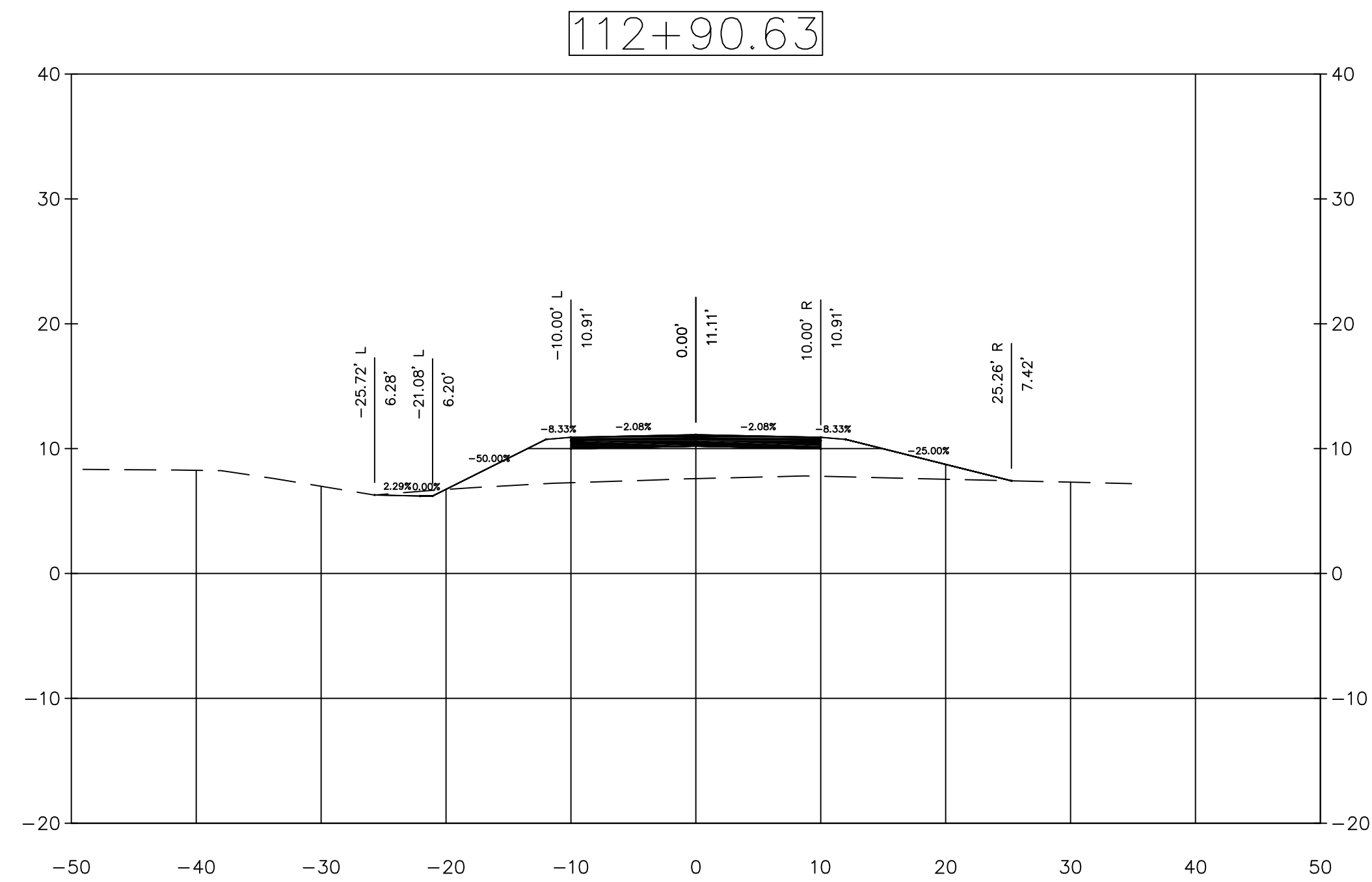


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CROSS SECTIONS
CORNER LOOP
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

Project
G0004.32
Scale
1" = 10'
Sheet
C-306



Description

Date

Revision

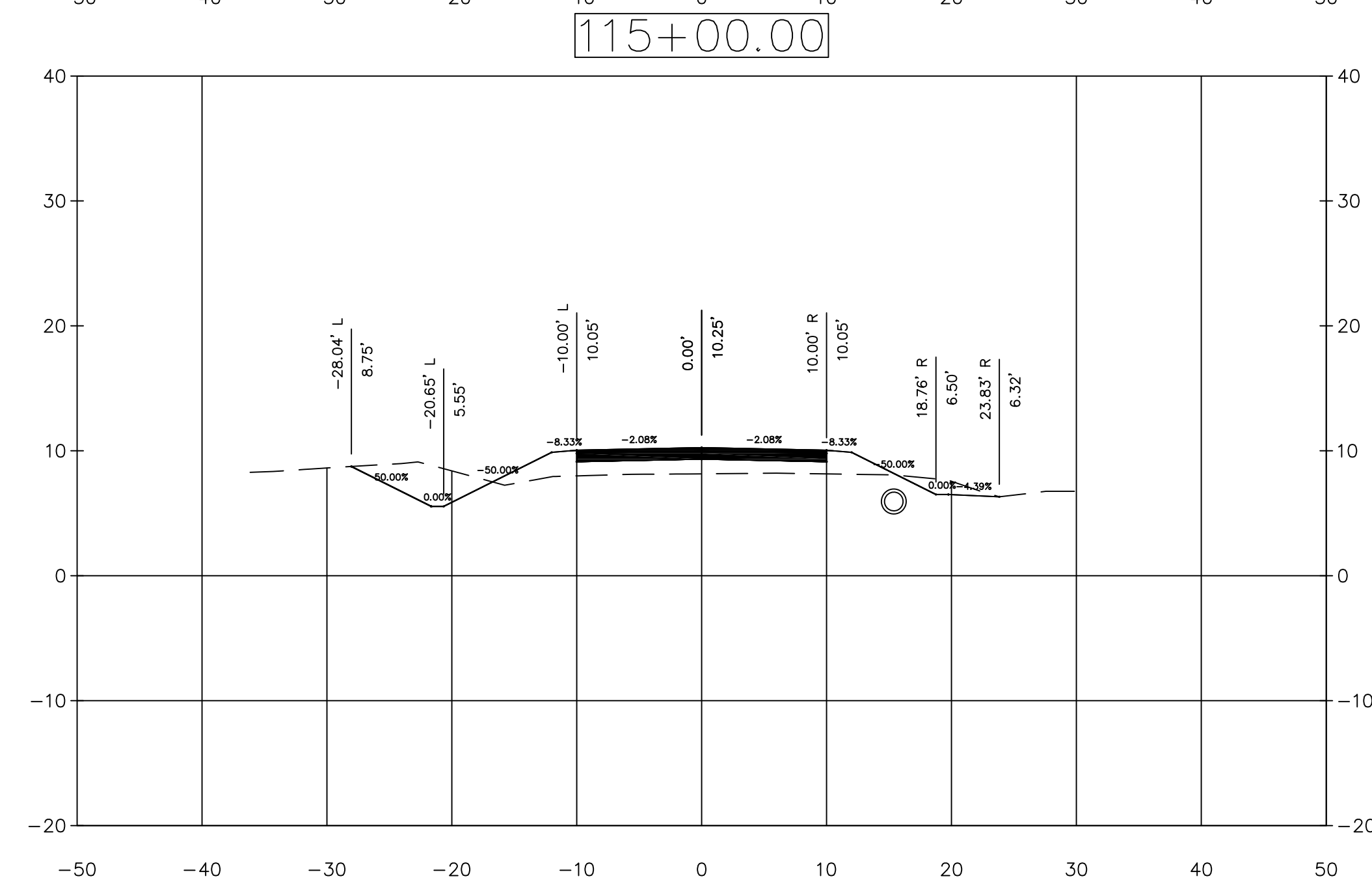
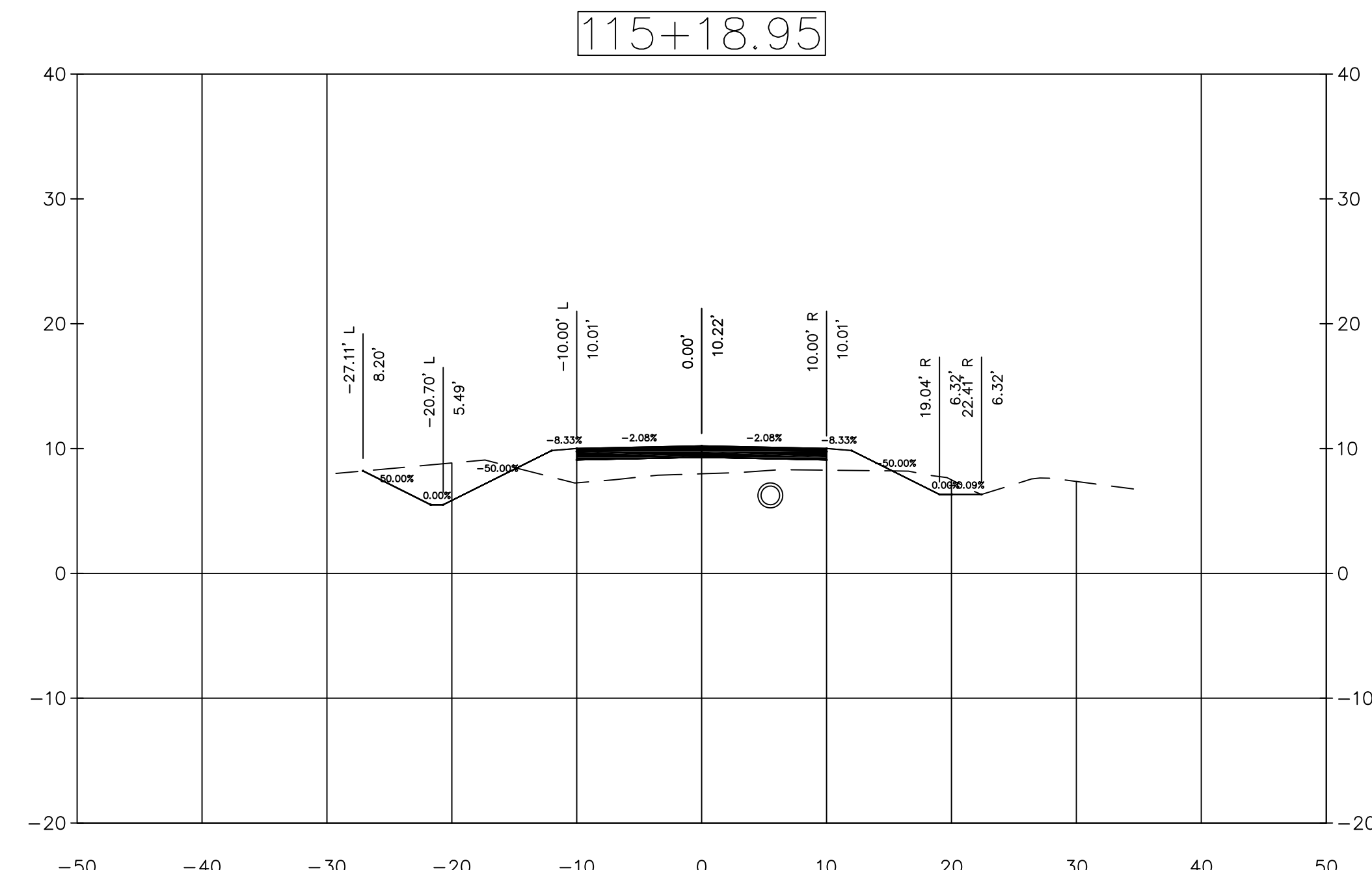
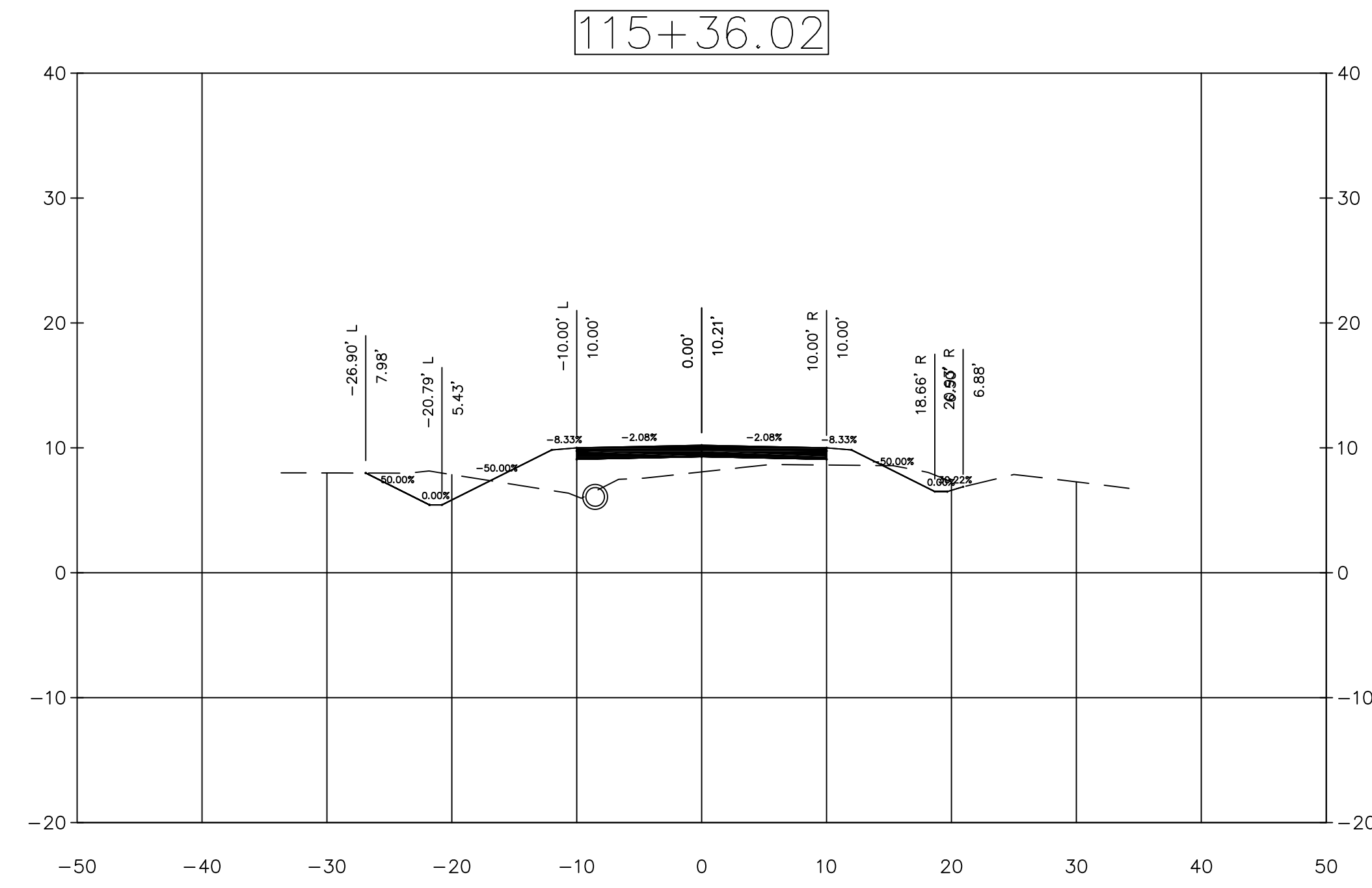
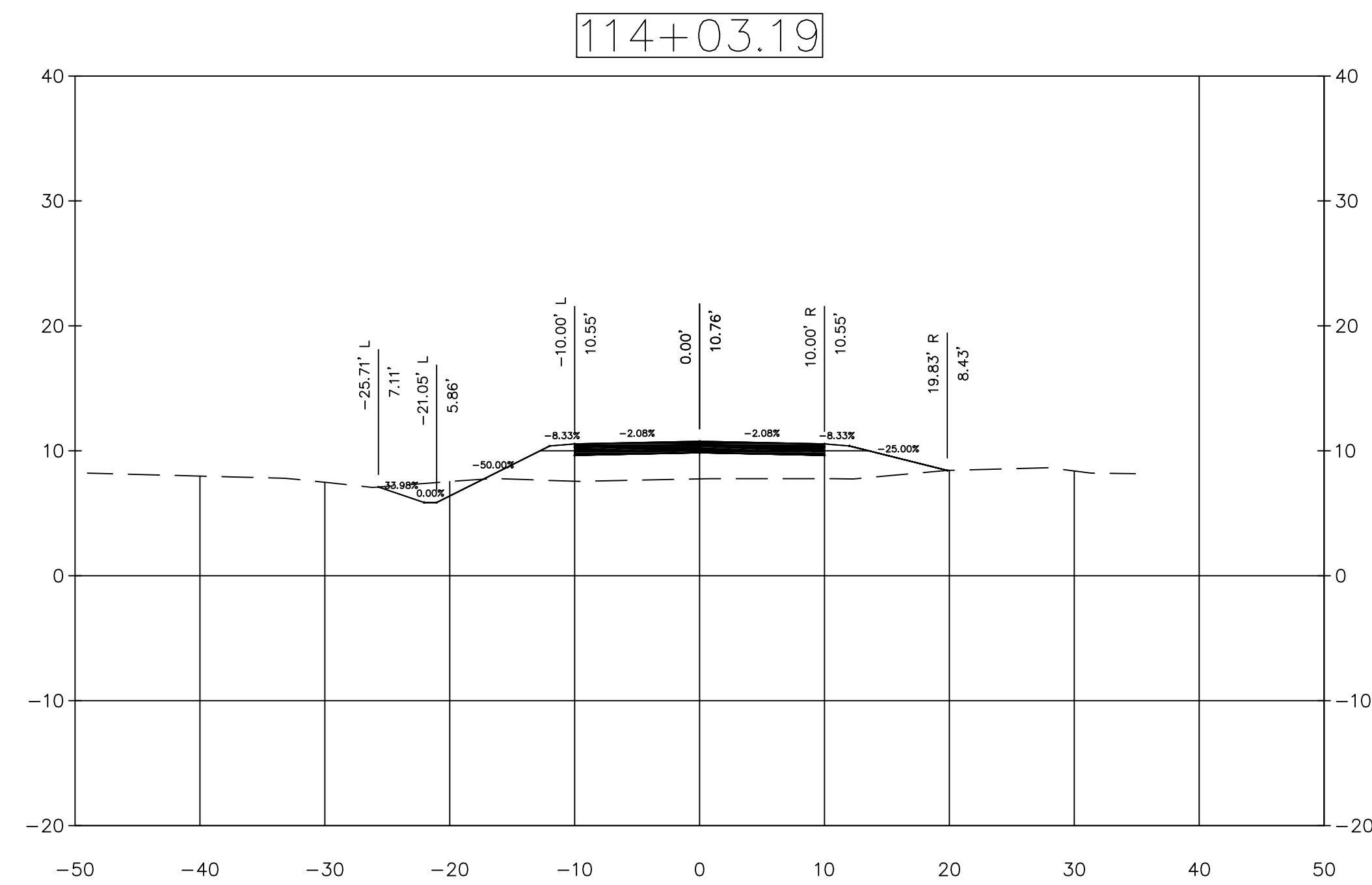
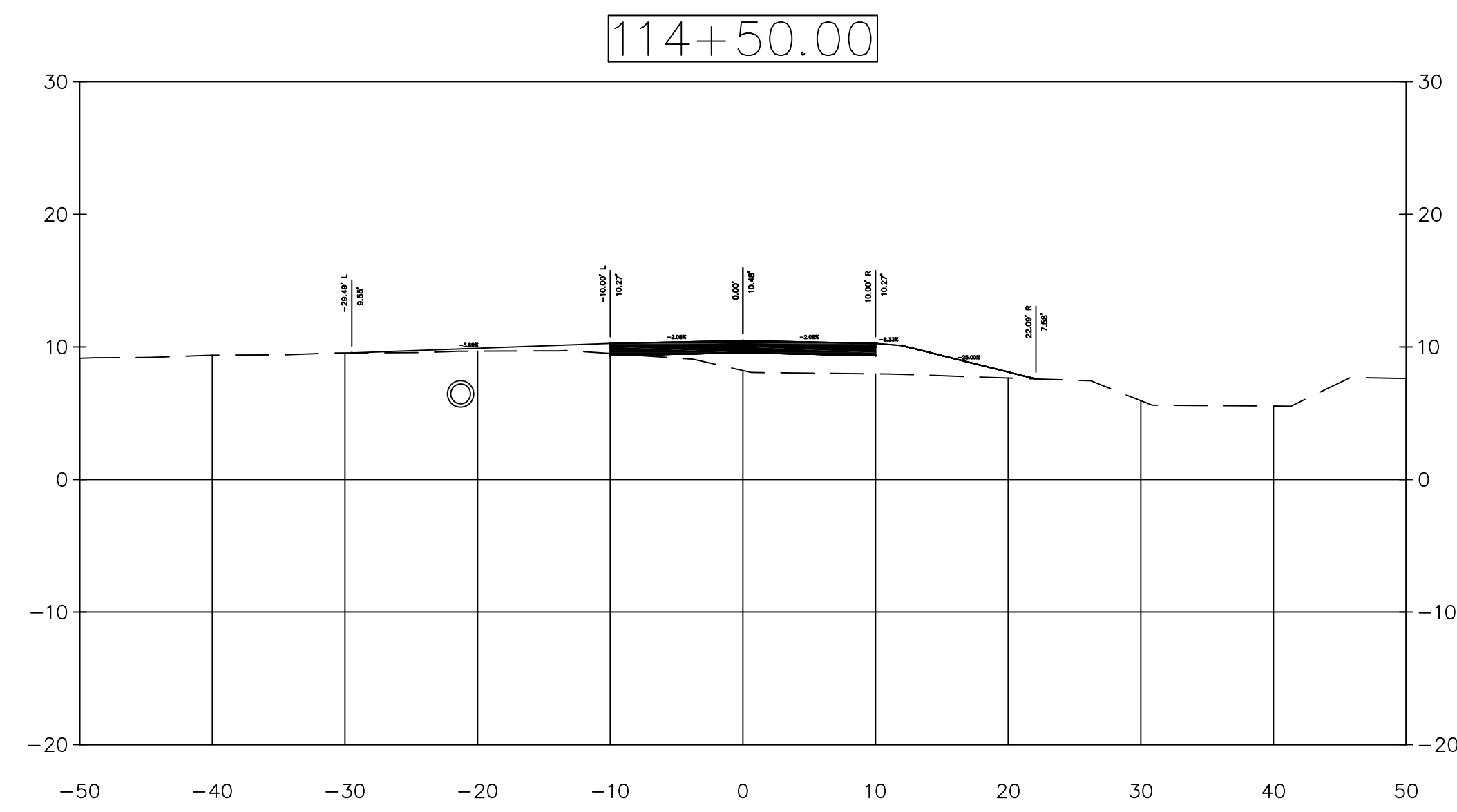
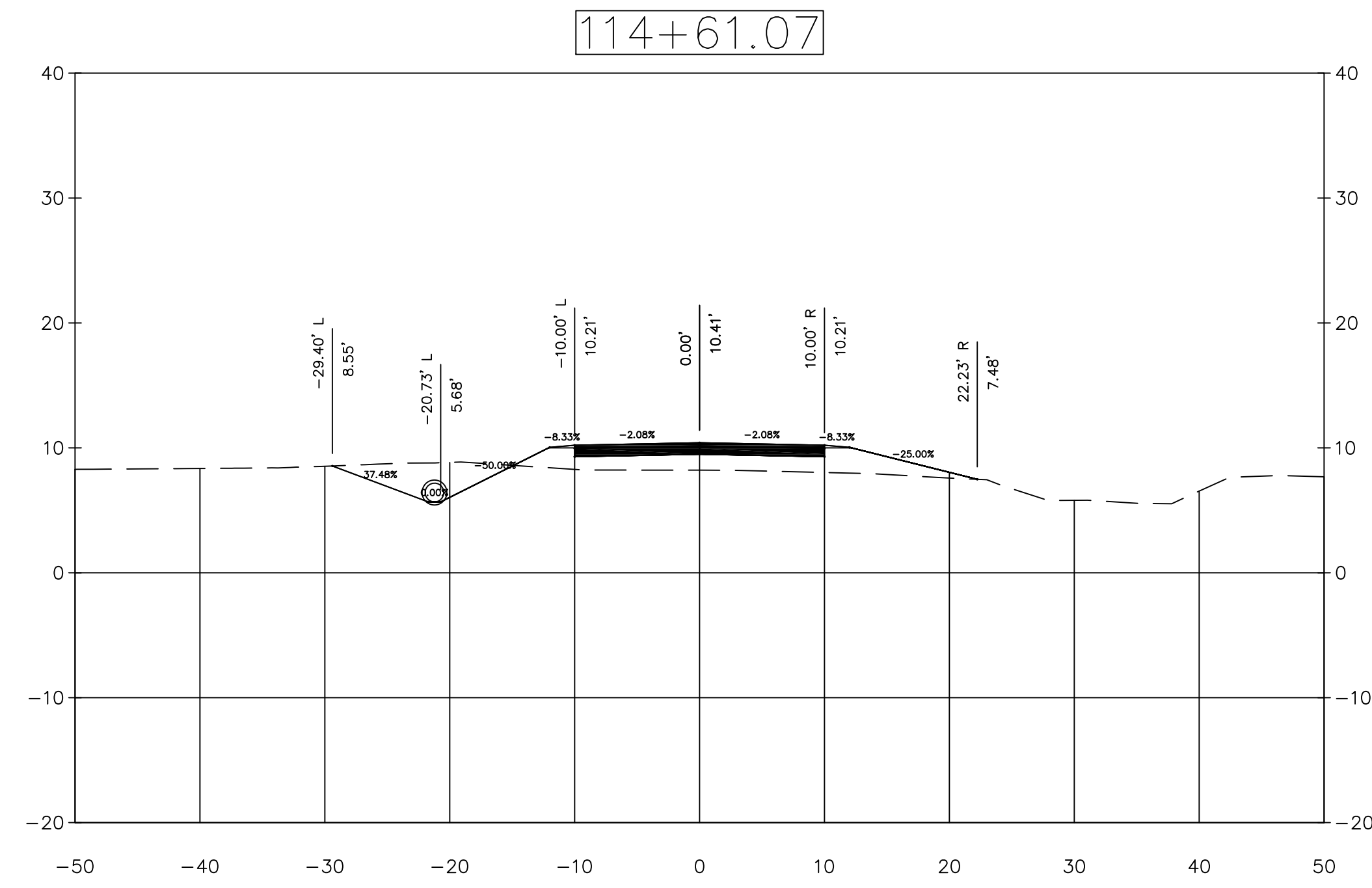


Engineer
M. Hines
Drawn By
S. Pollard
Checked By
M. Hines

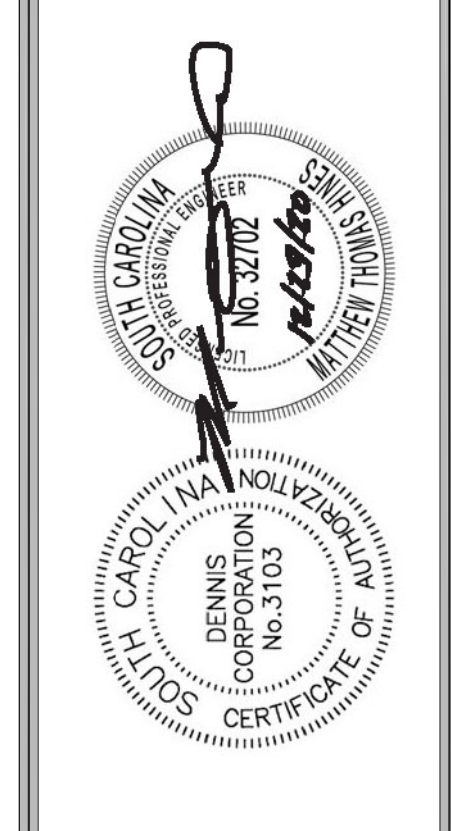
CROSS SECTIONS
CORNER LOOP
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

Project
G0004.32
Scale
1" = 10'
Sheet
C-307



Revision	Date	Description

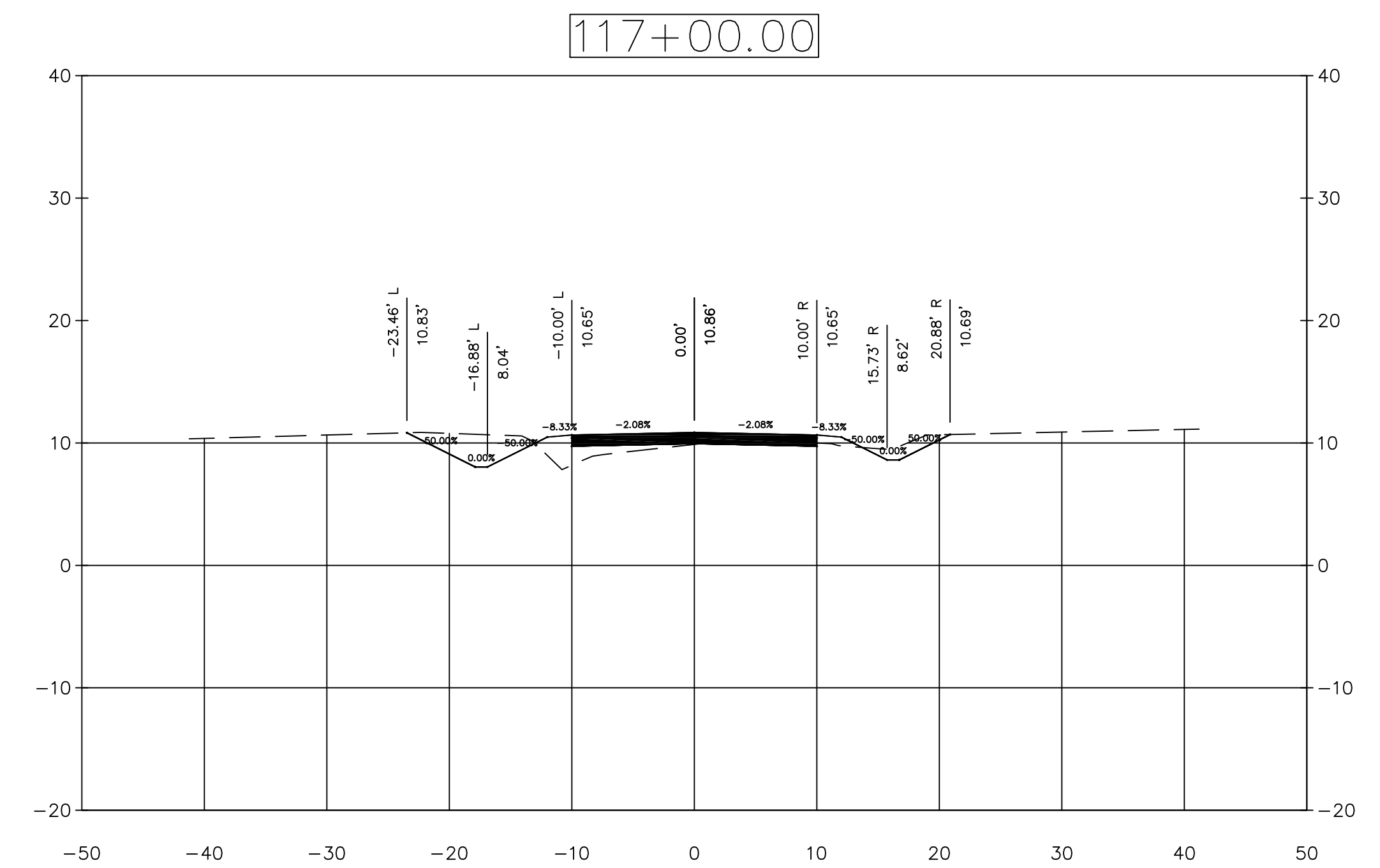
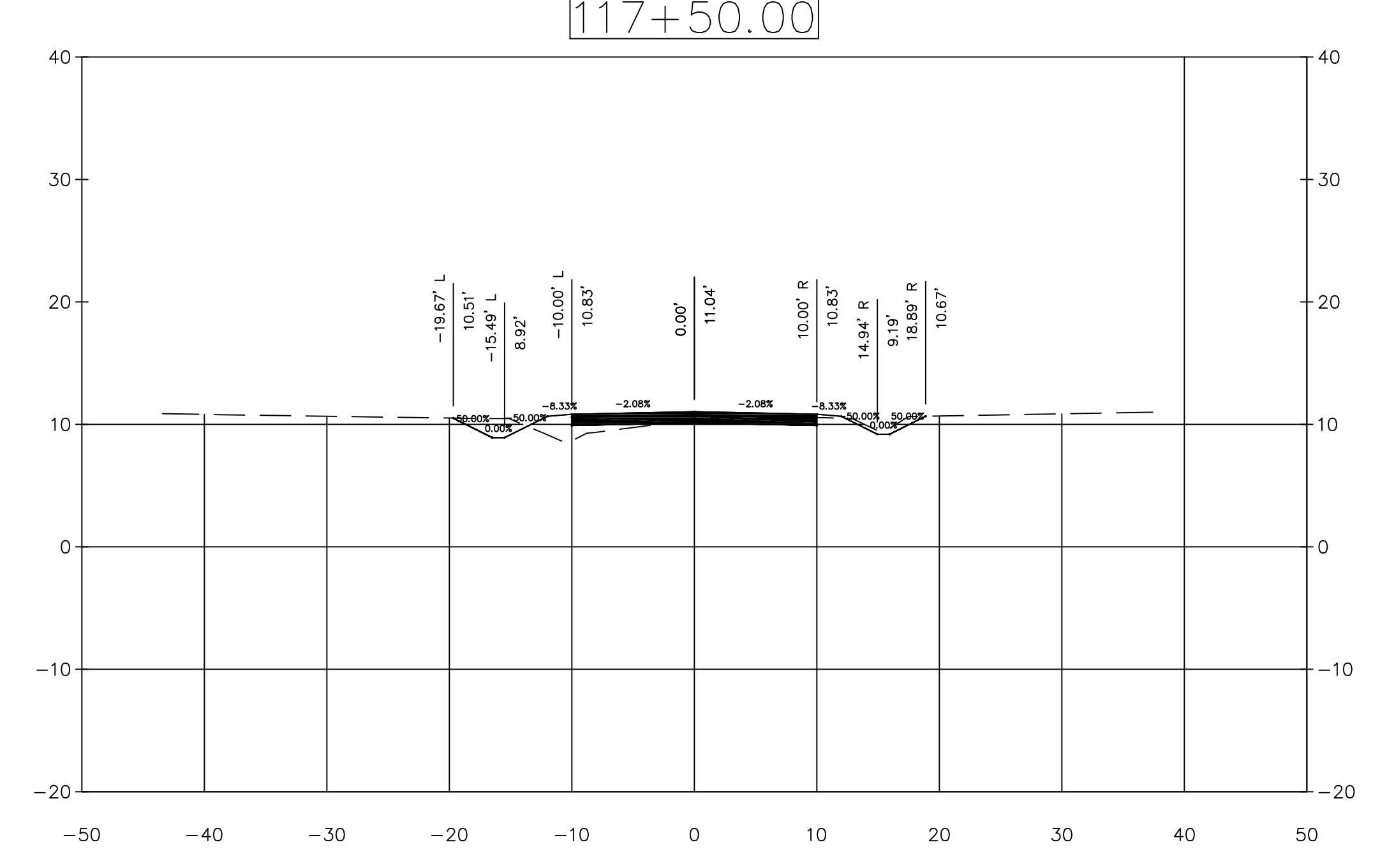
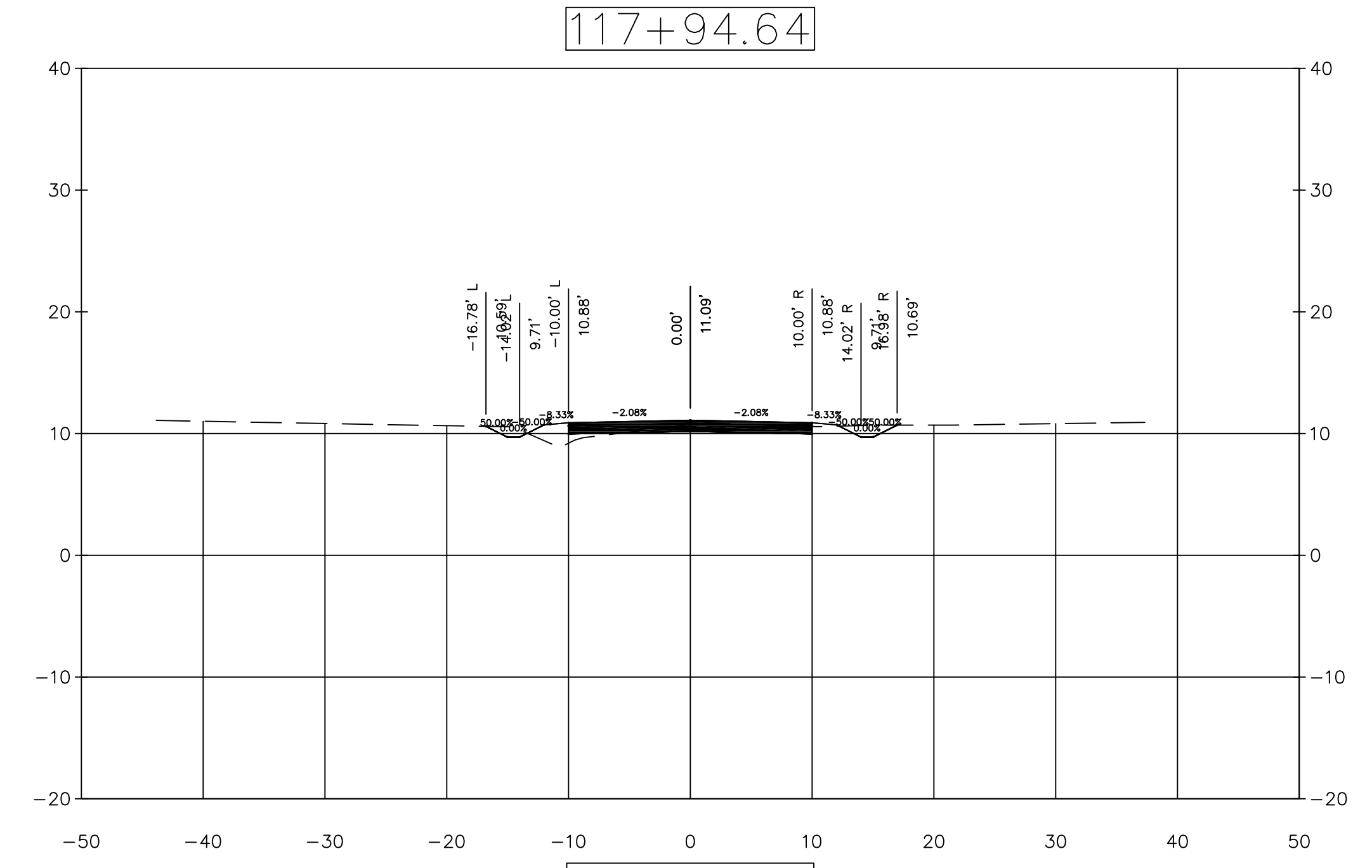
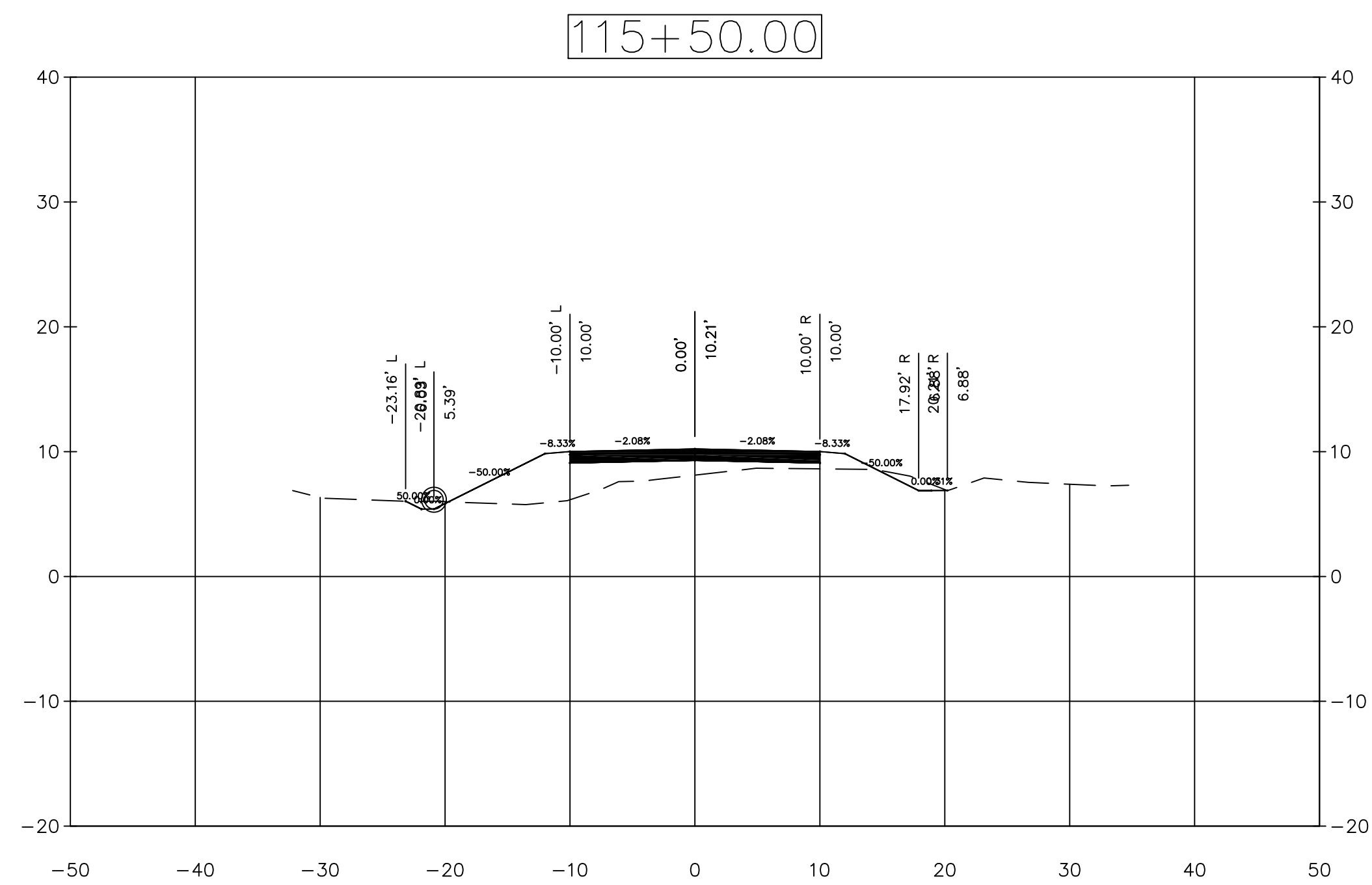
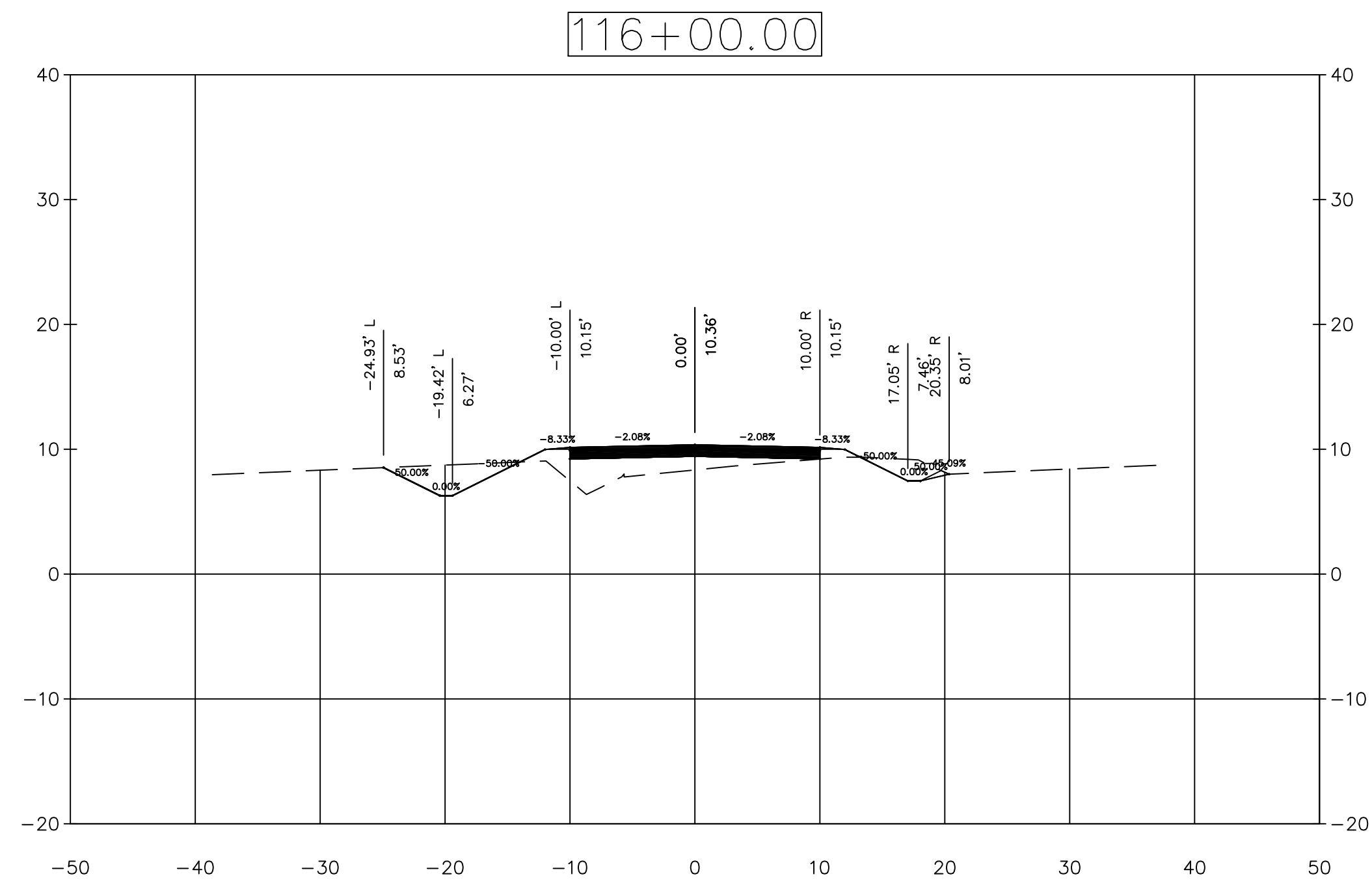
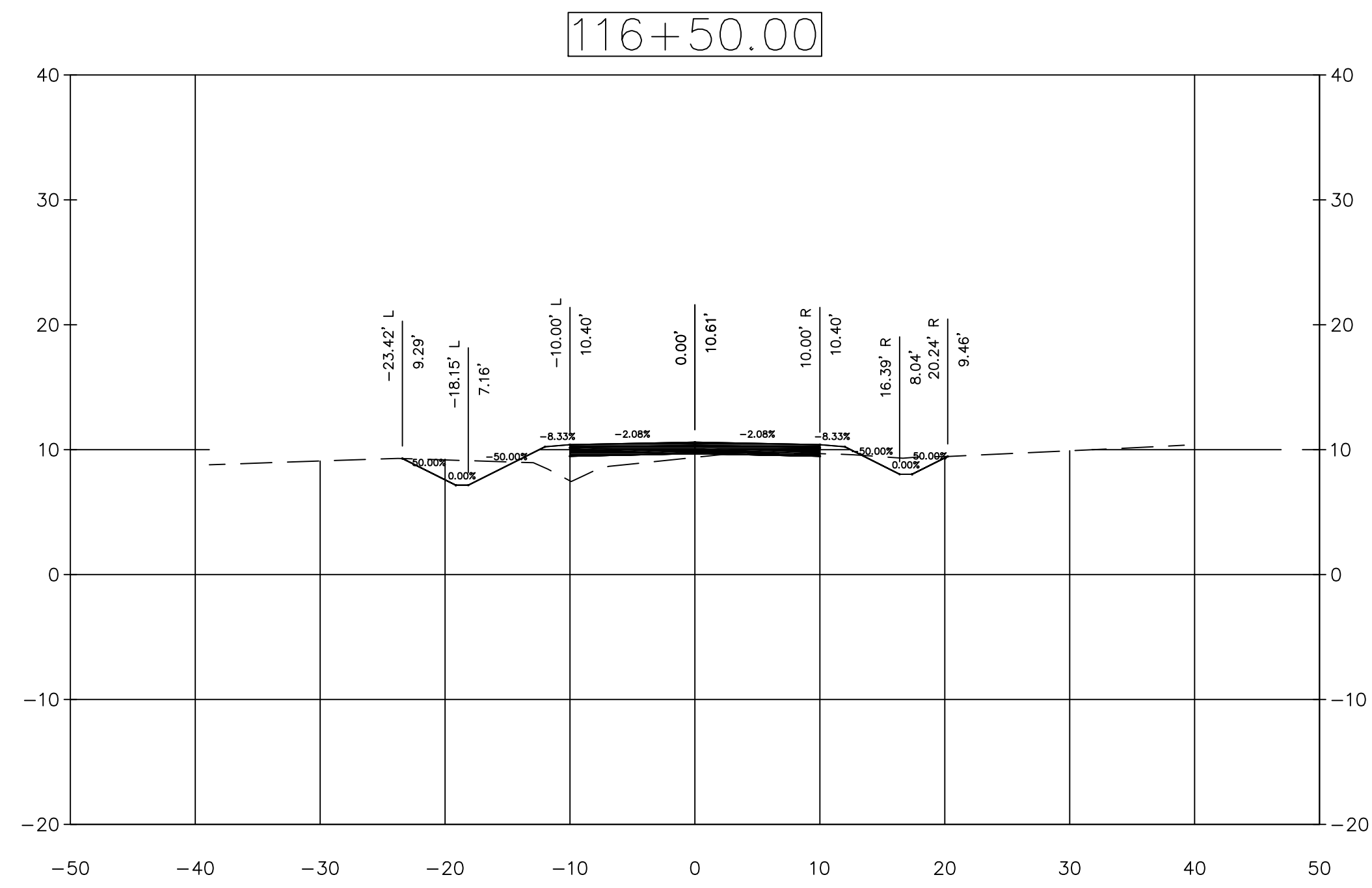


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CROSS SECTIONS
 CORNER LOOP
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project
G0004.32
 Scale
1" = 10'
 Sheet
C-308



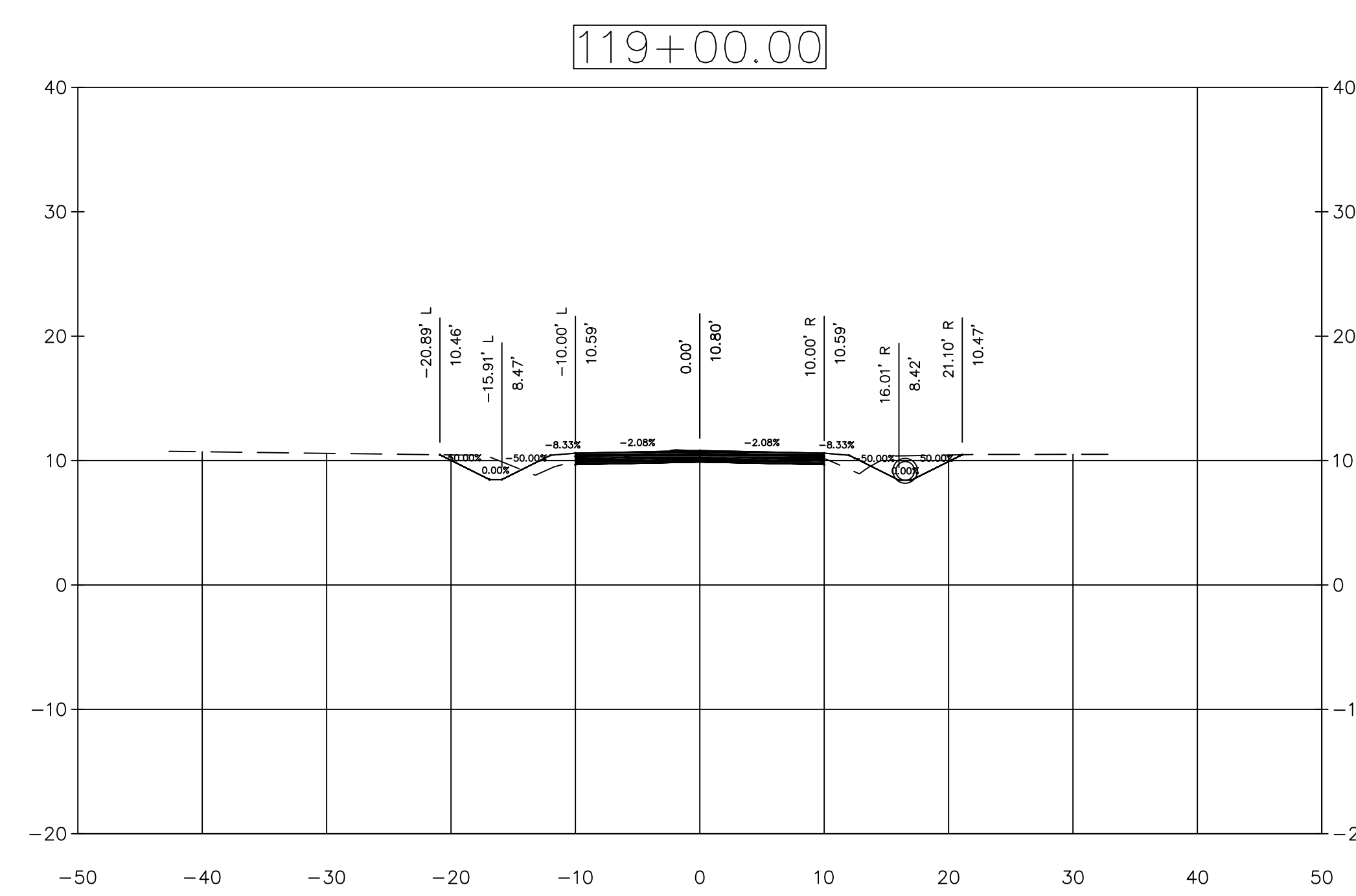
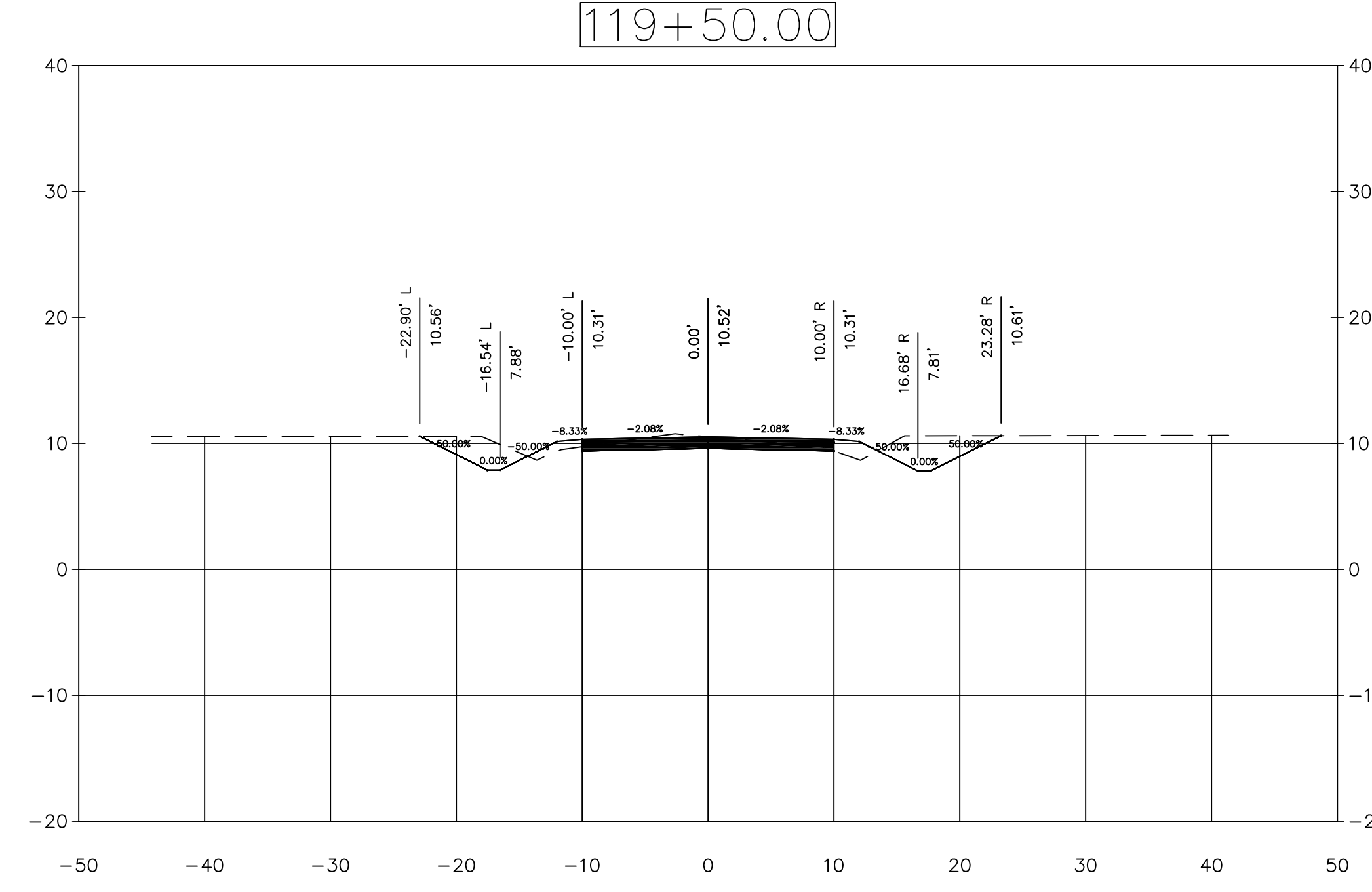
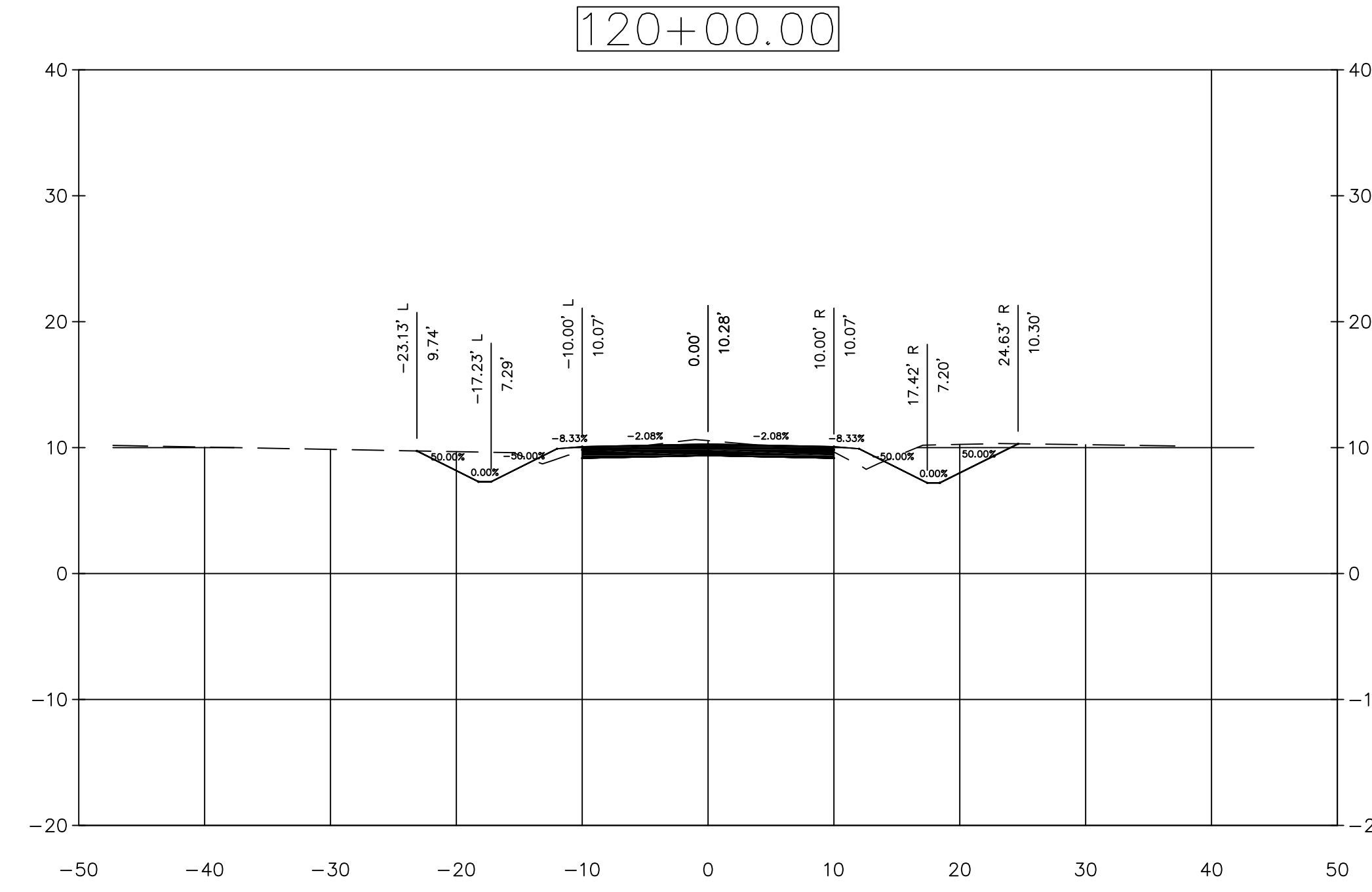
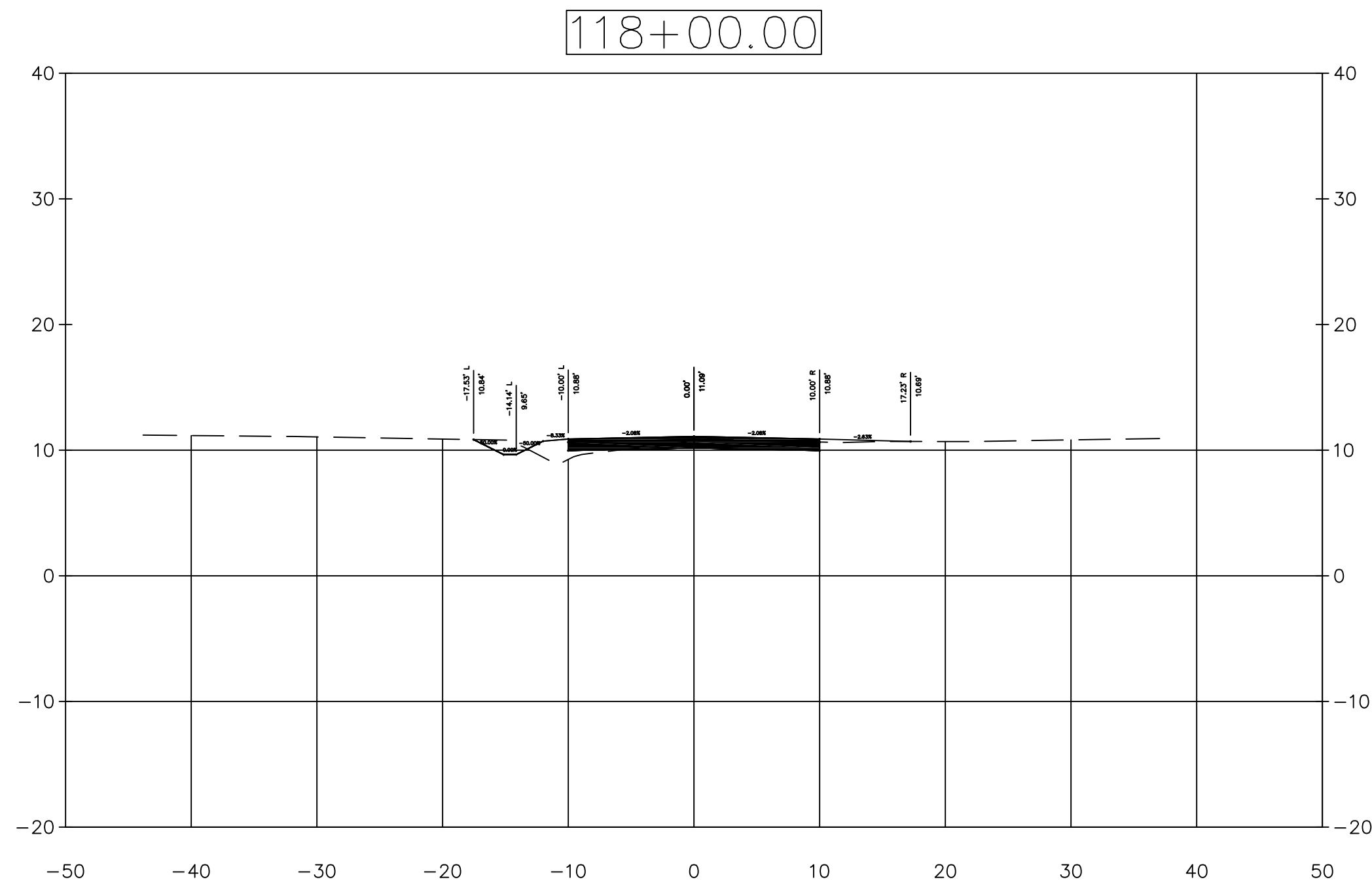
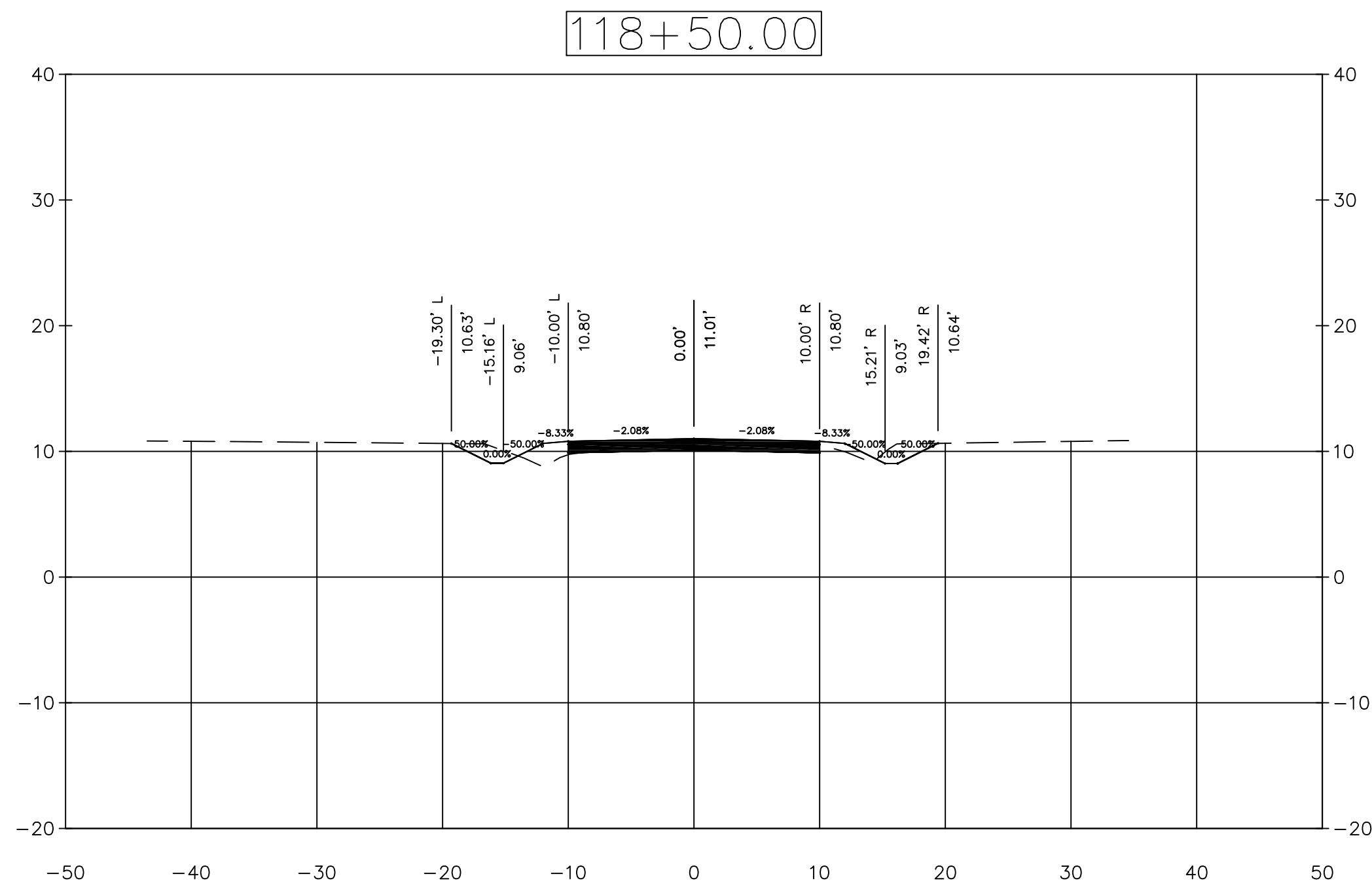
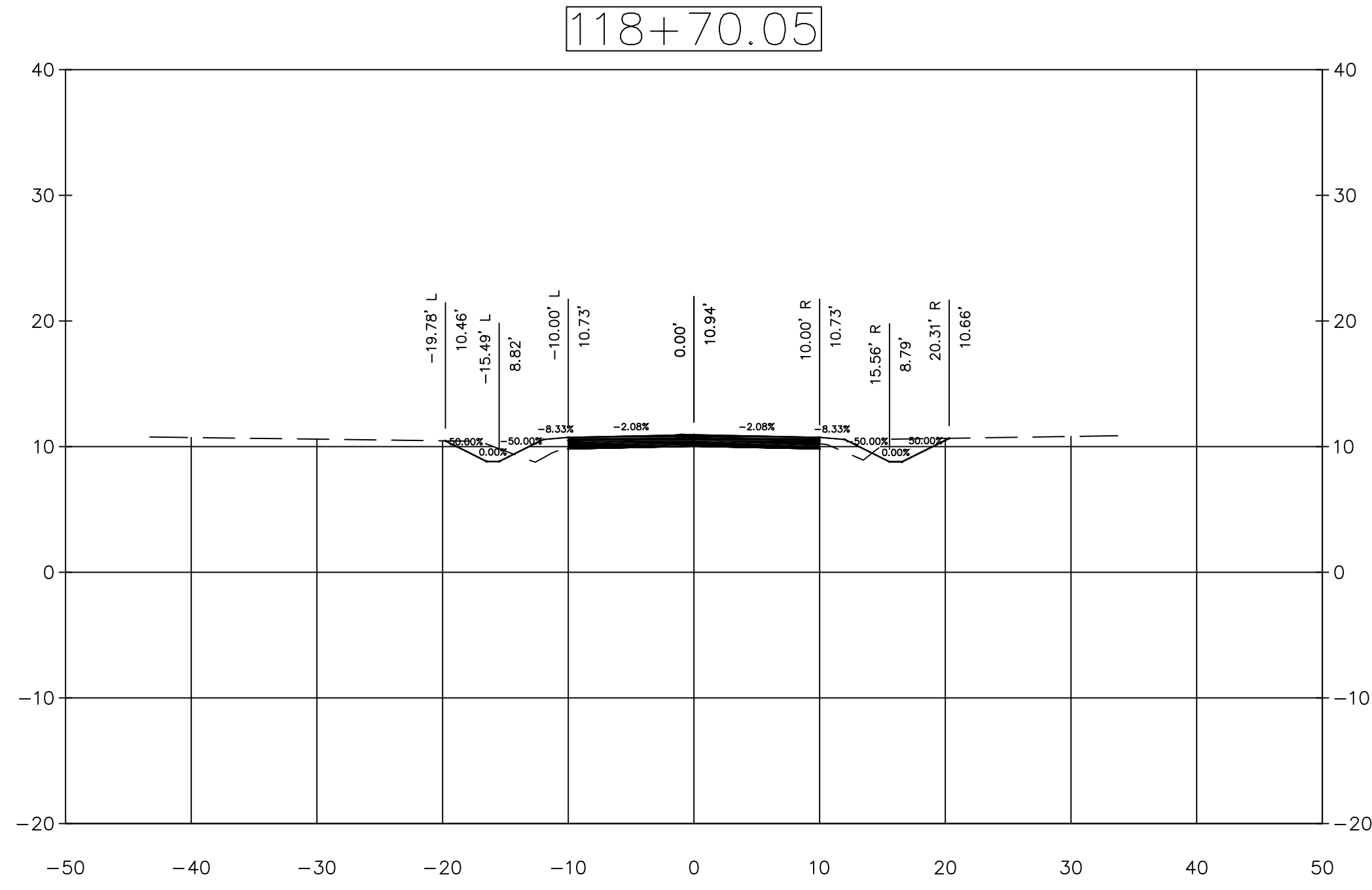
Revision	Date	Description

CROSS SECTIONS
CORNER LOOP
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.32
Scale
1" = 10'
Sheet
C-309

JUNE 2020



Revision	Date	Description

Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CROSS SECTIONS
CORNER LOOP

DENNIS
CORPORATION

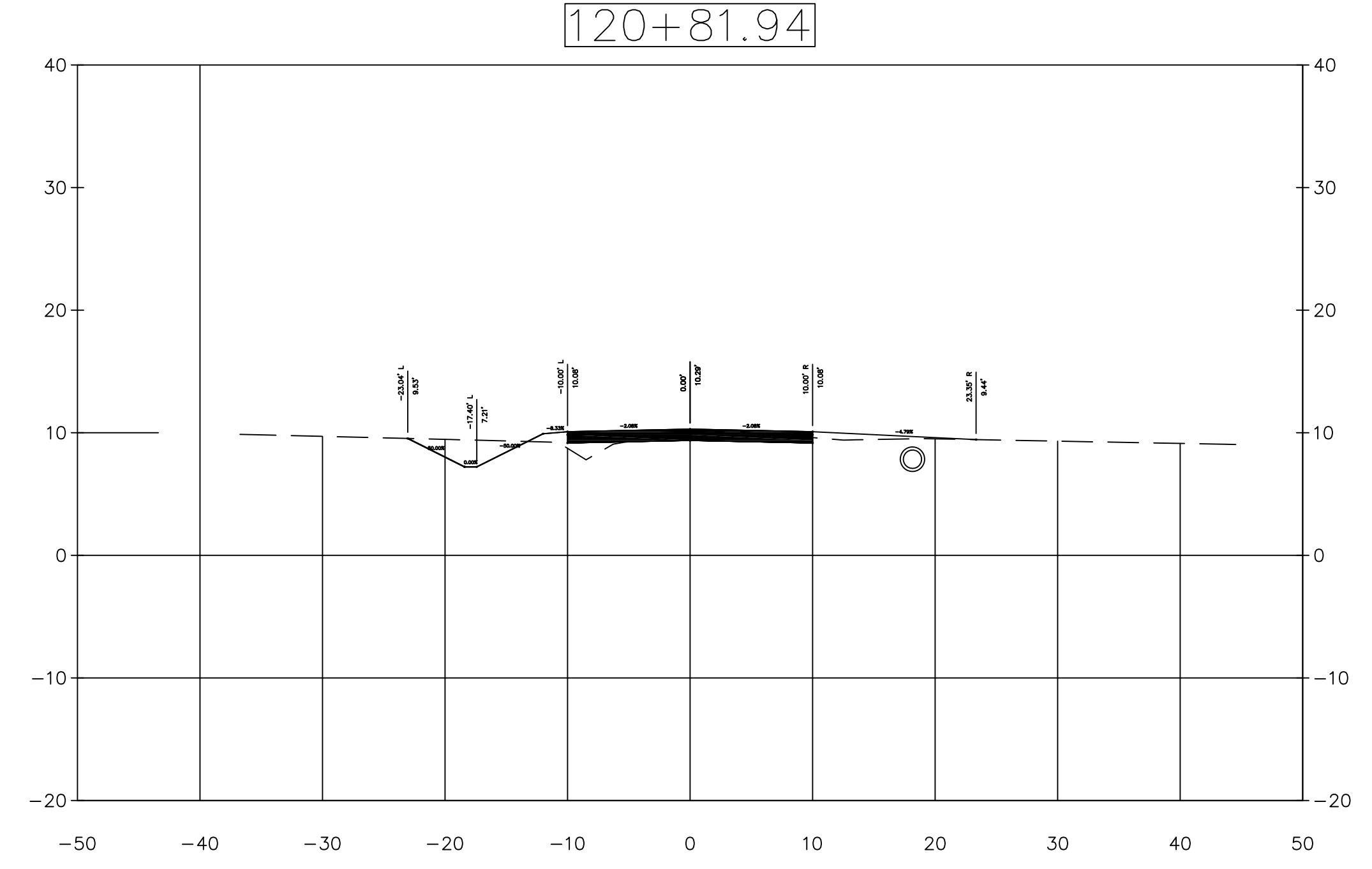
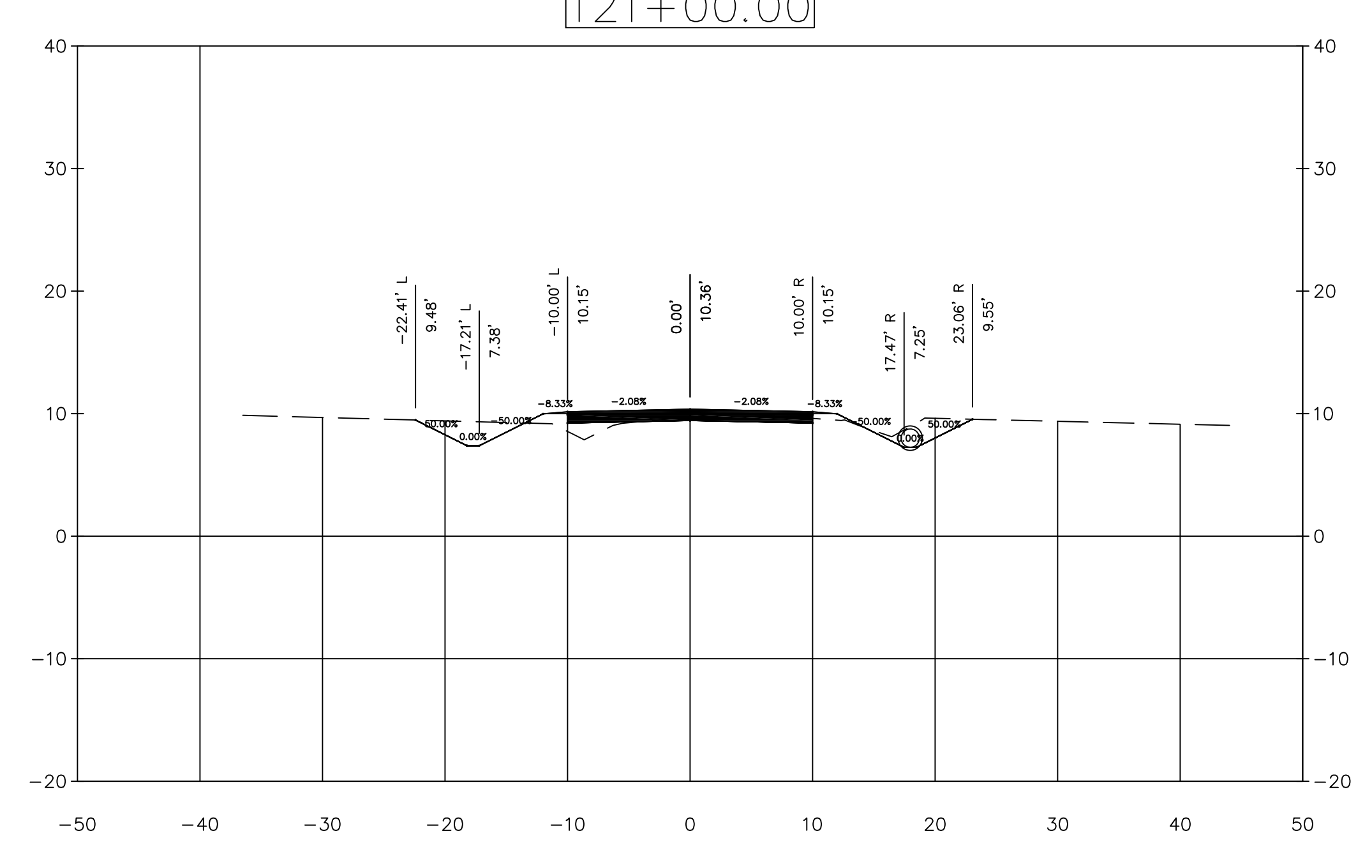
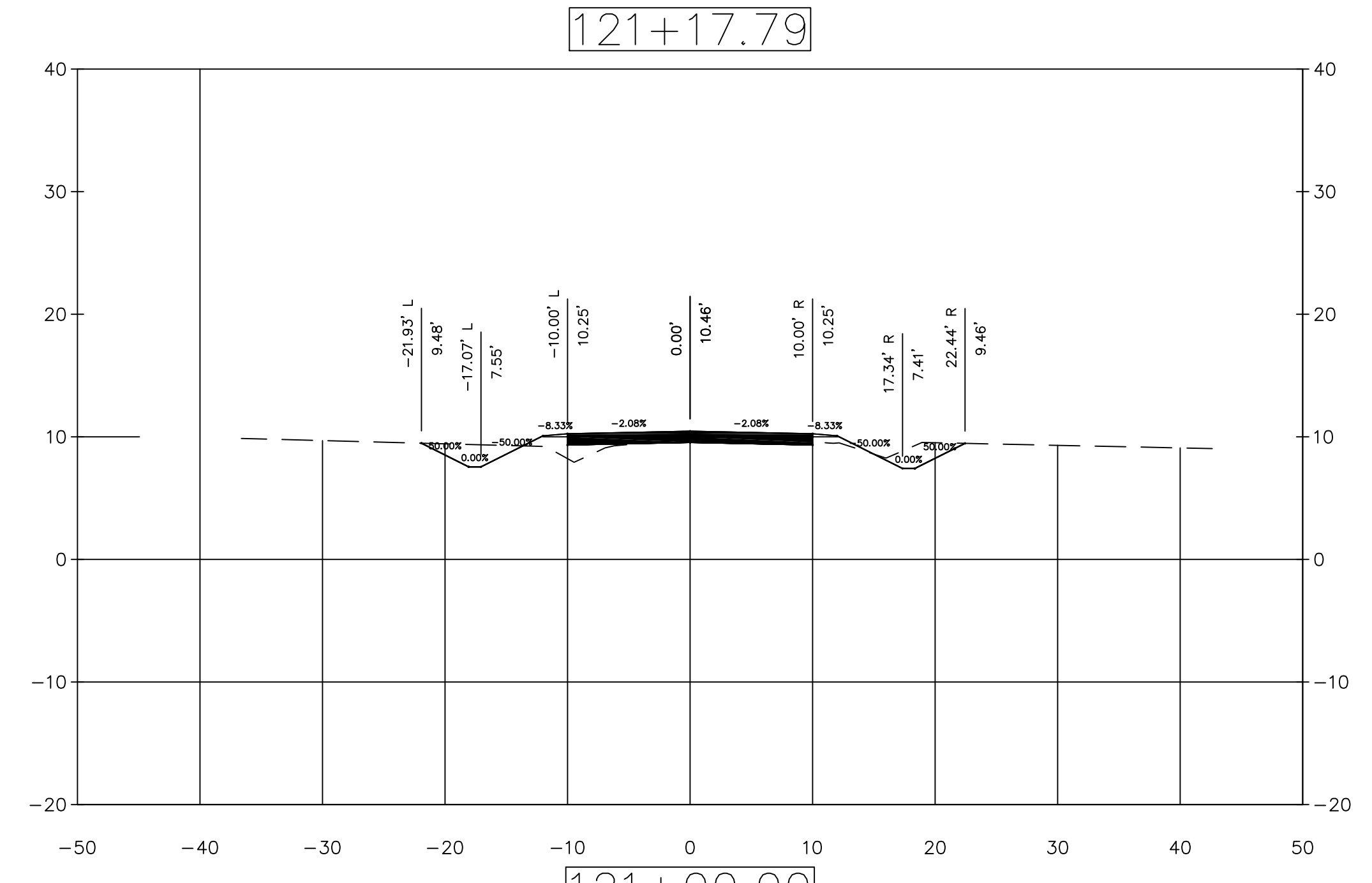
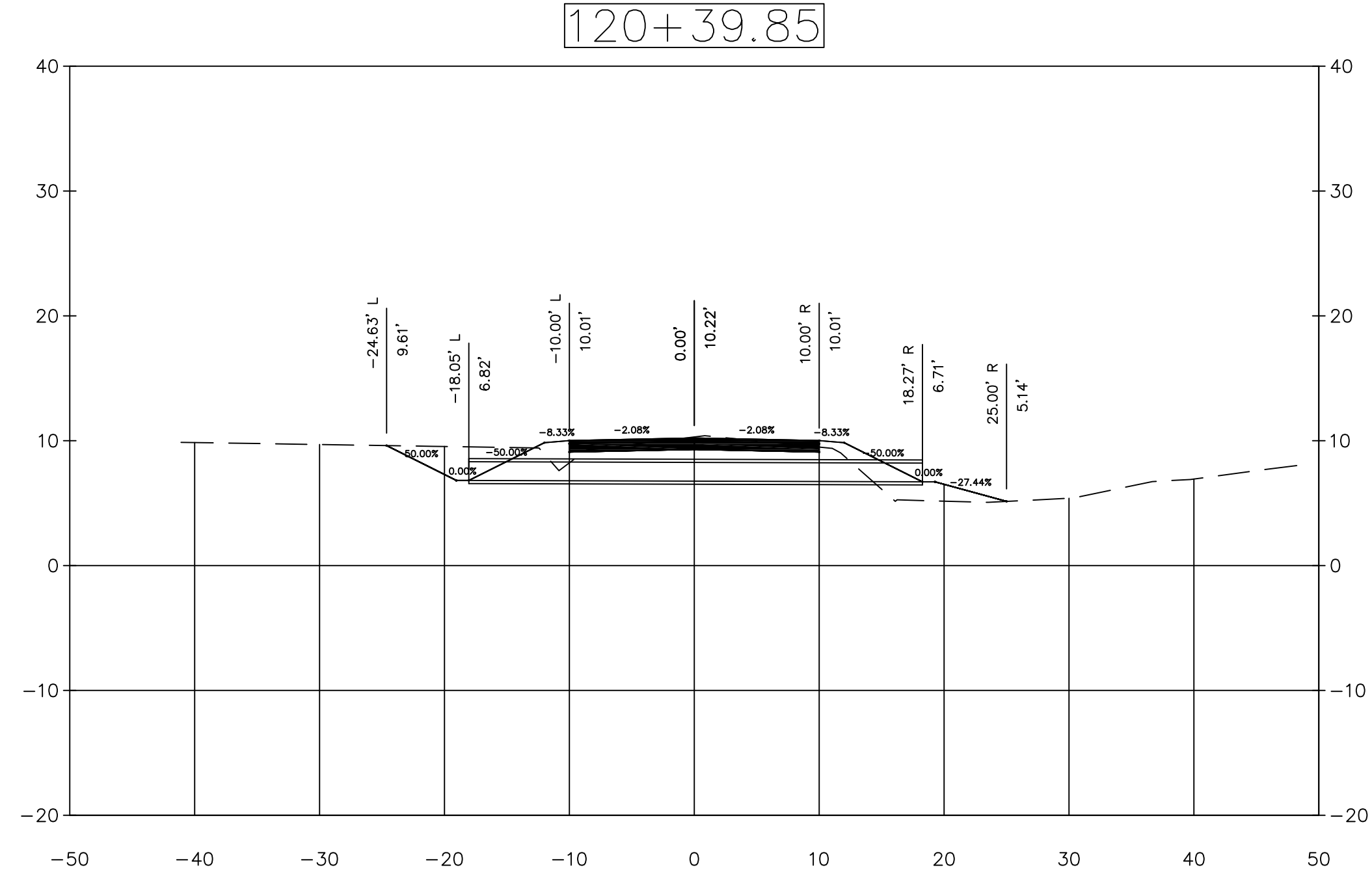
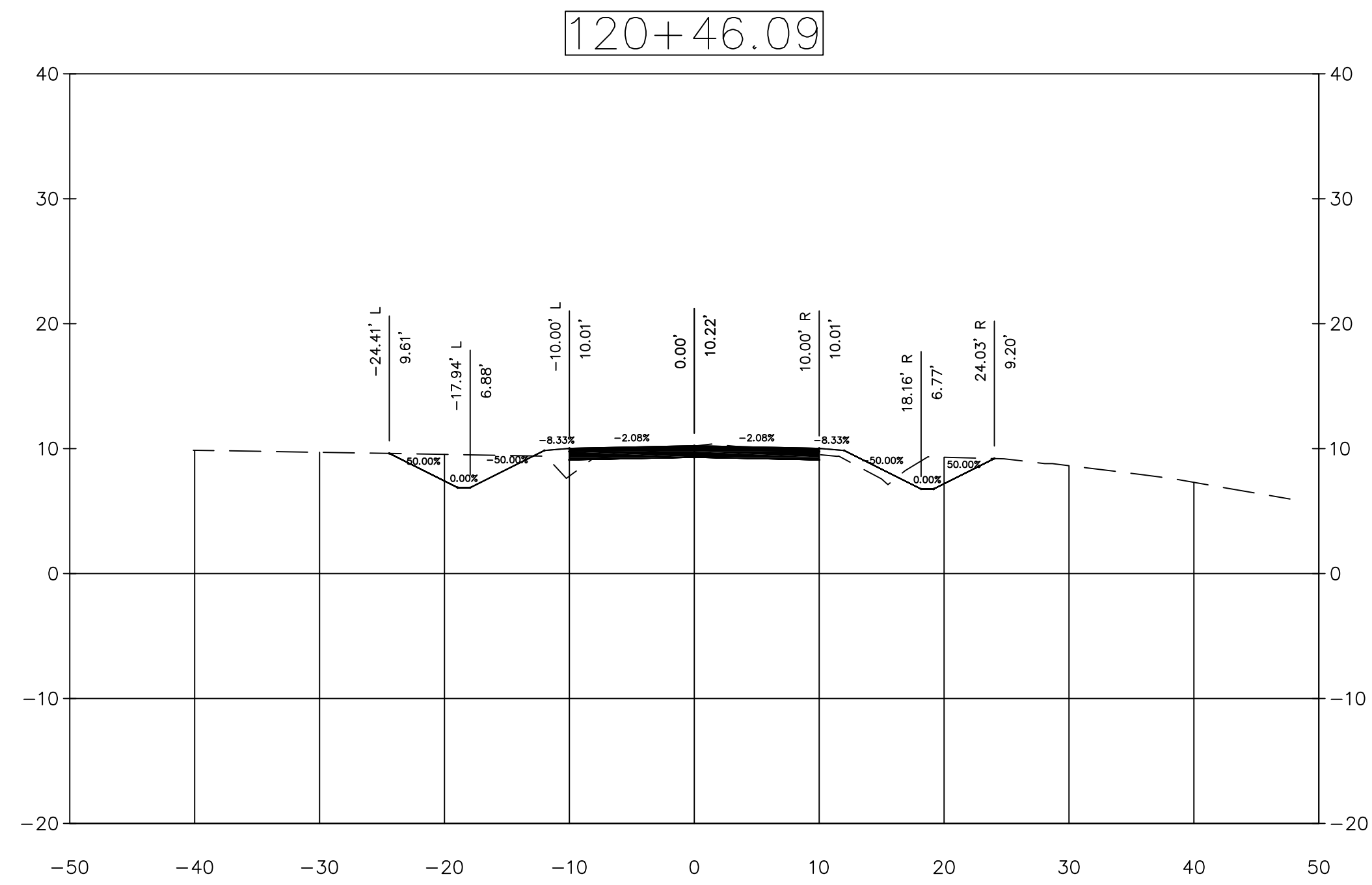
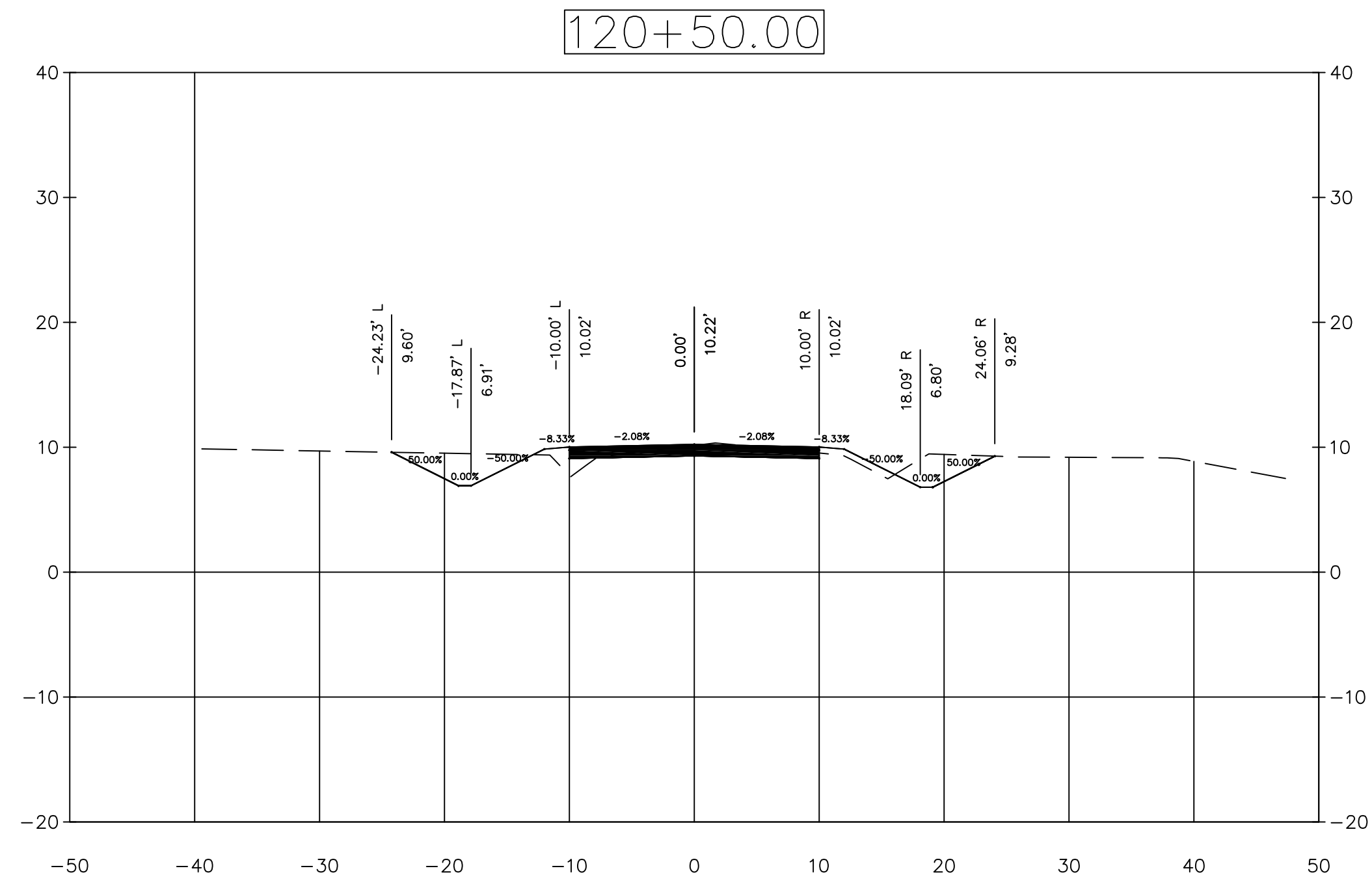
CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.32

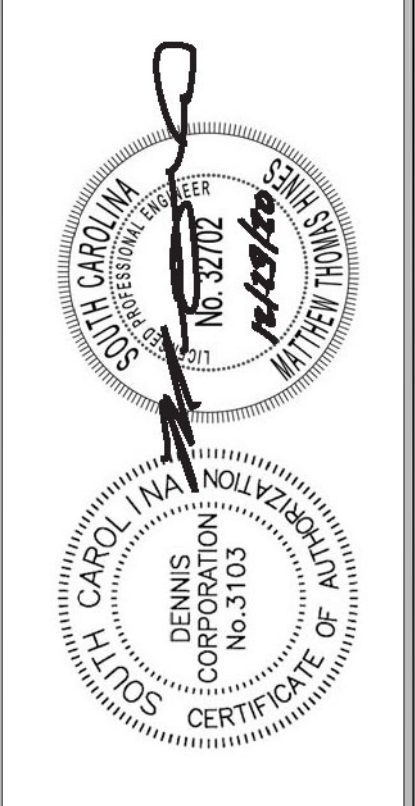
Scale
1" = 10'

Sheet
C-310

JUNE 2020



Revision	Date	Description

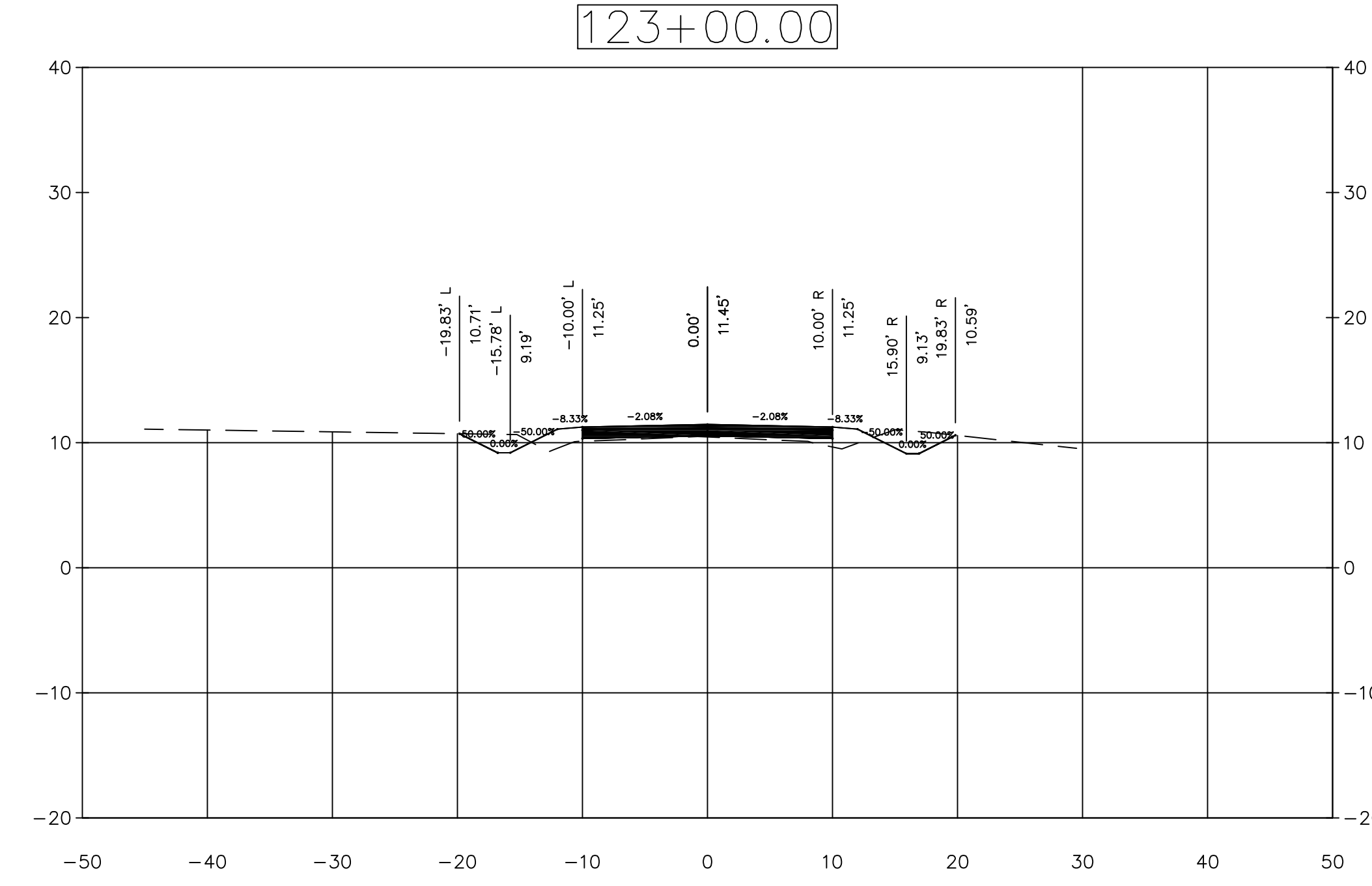
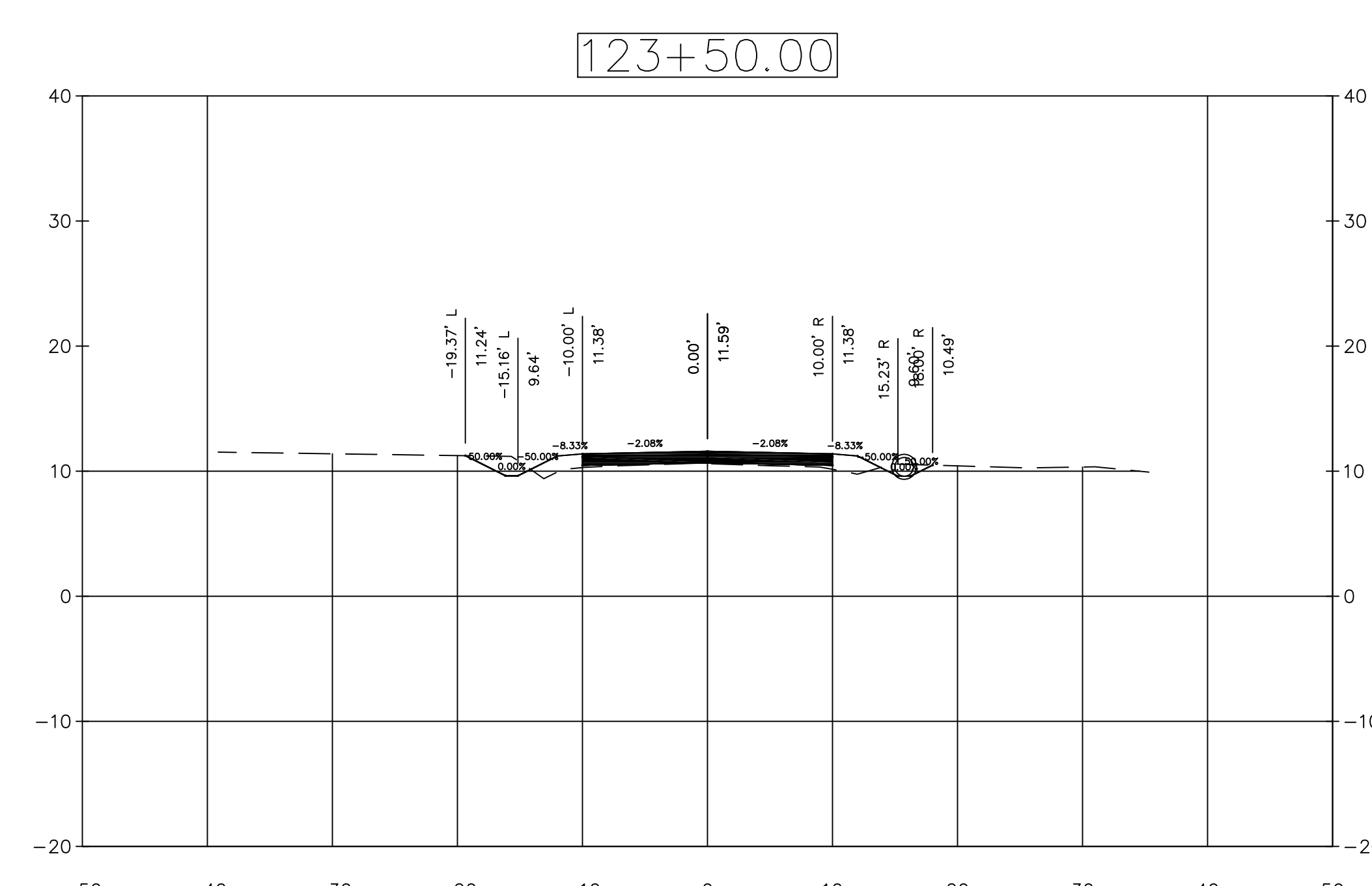
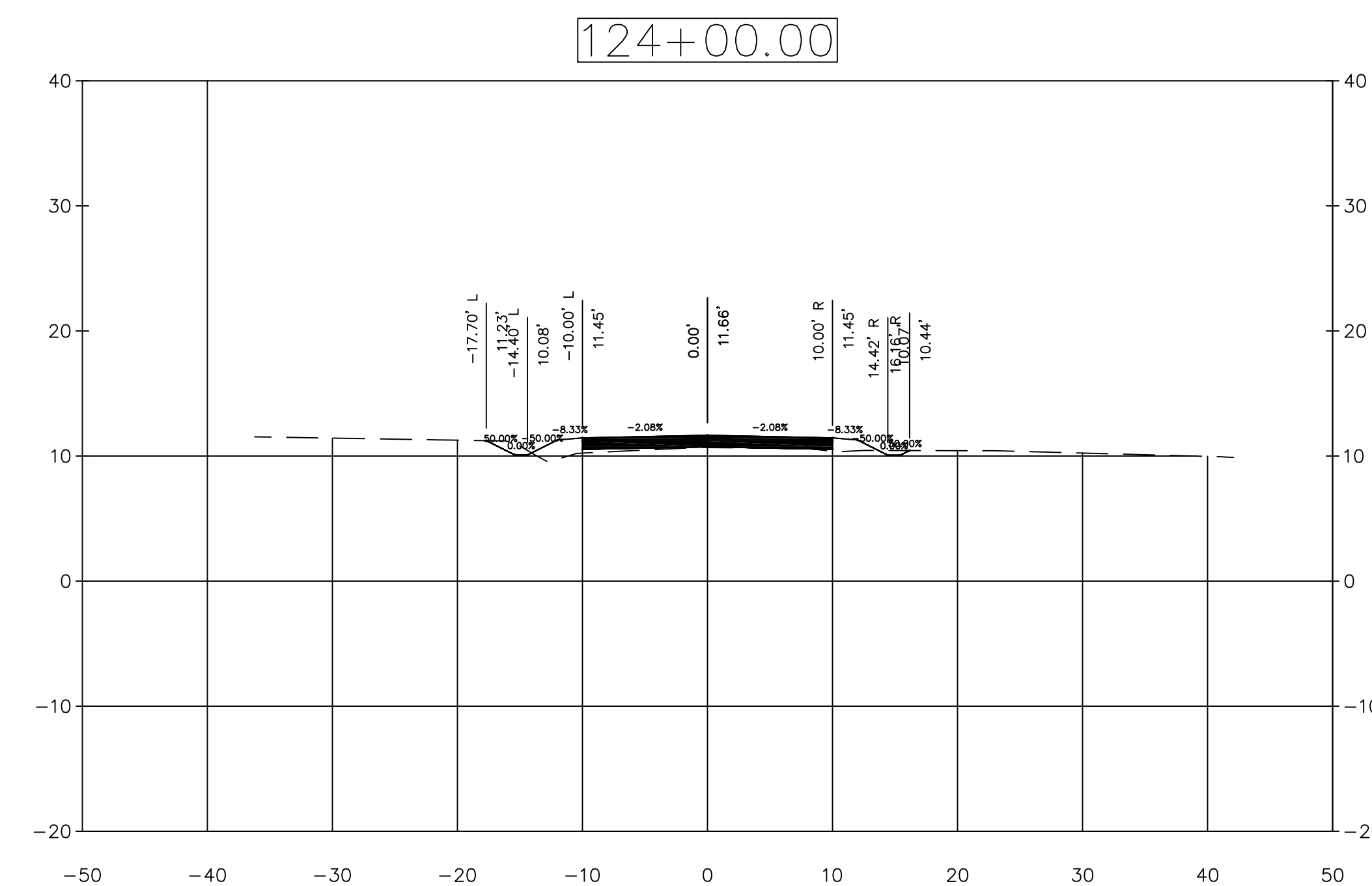
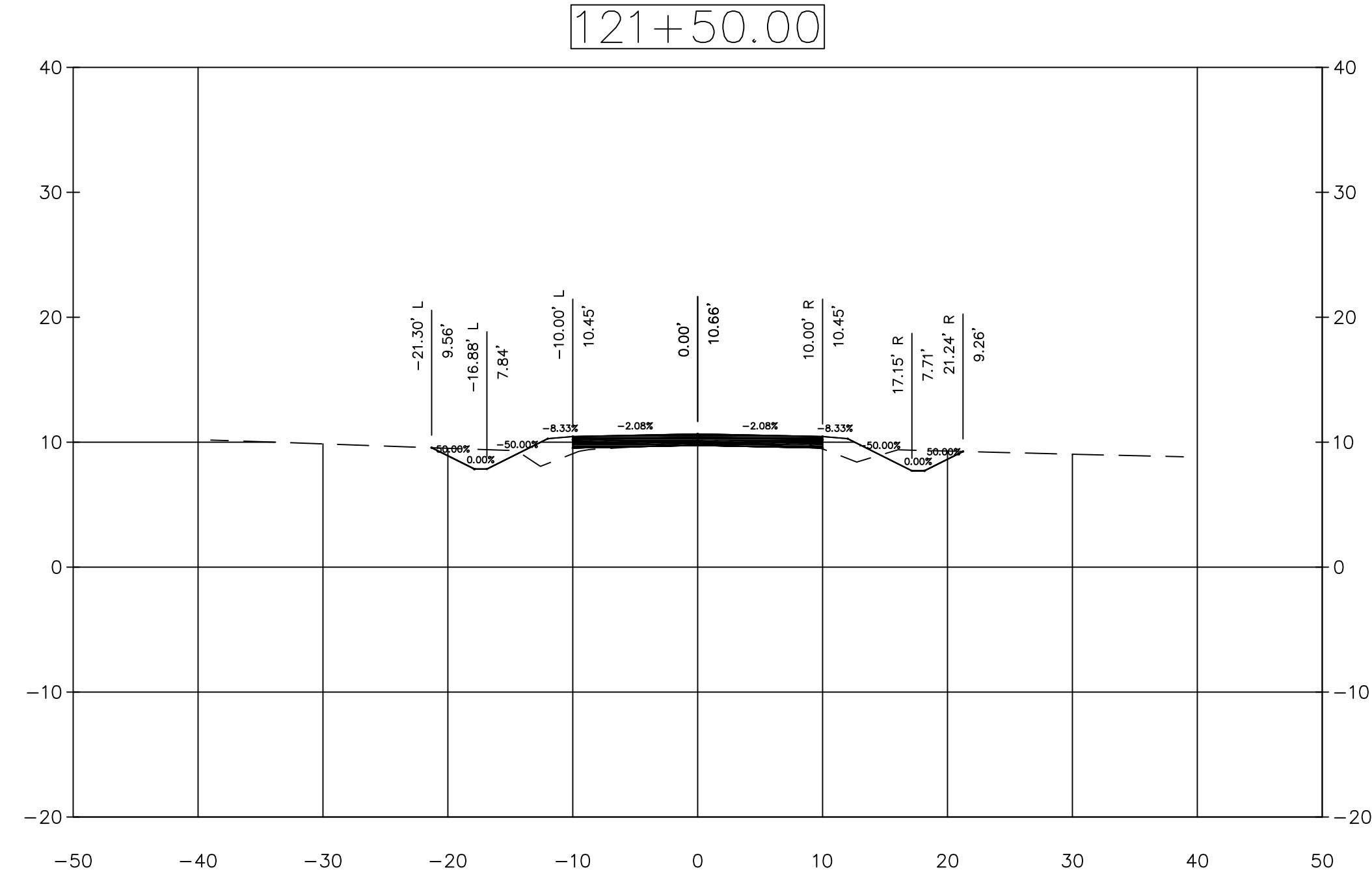
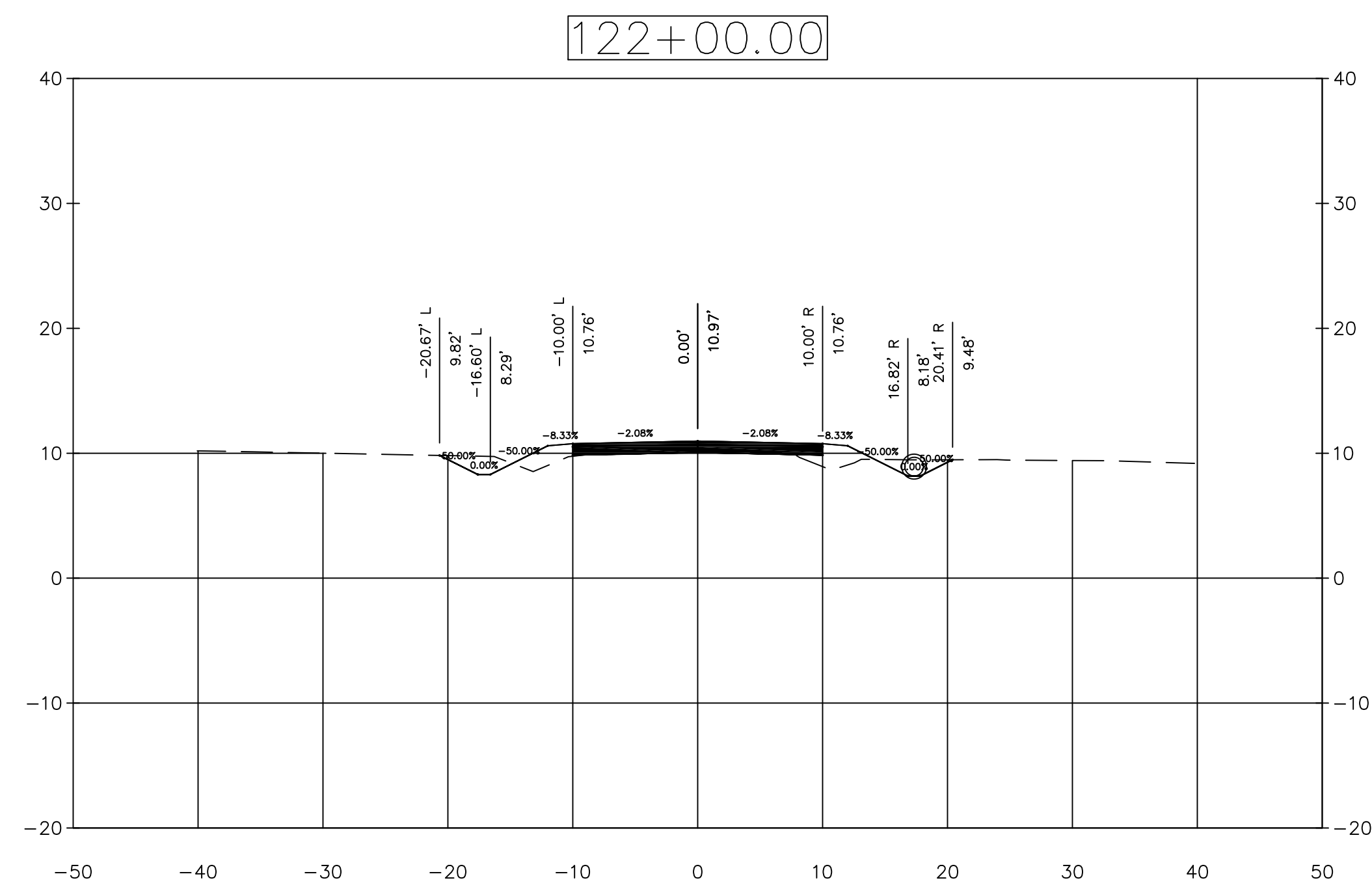
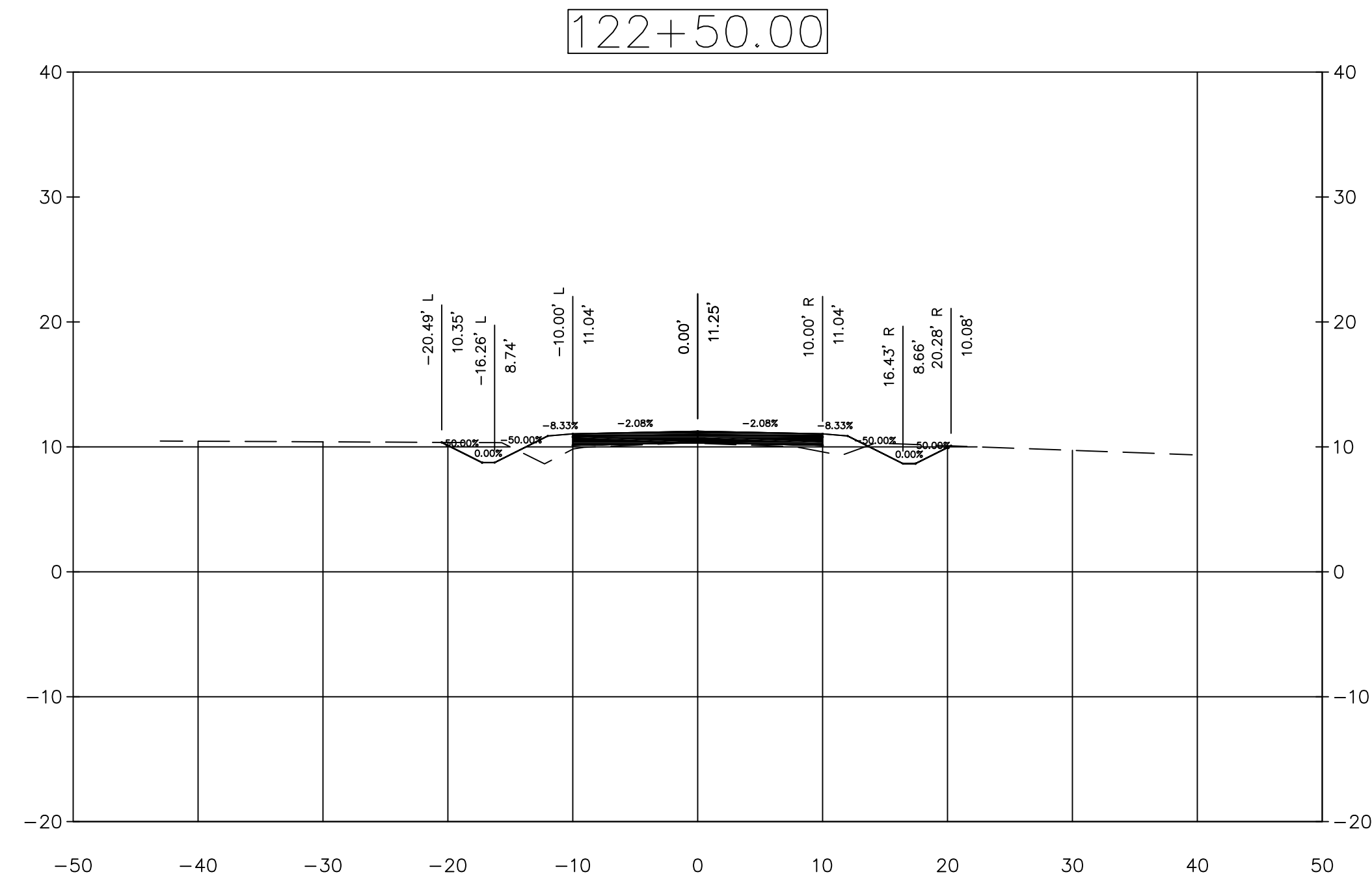


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

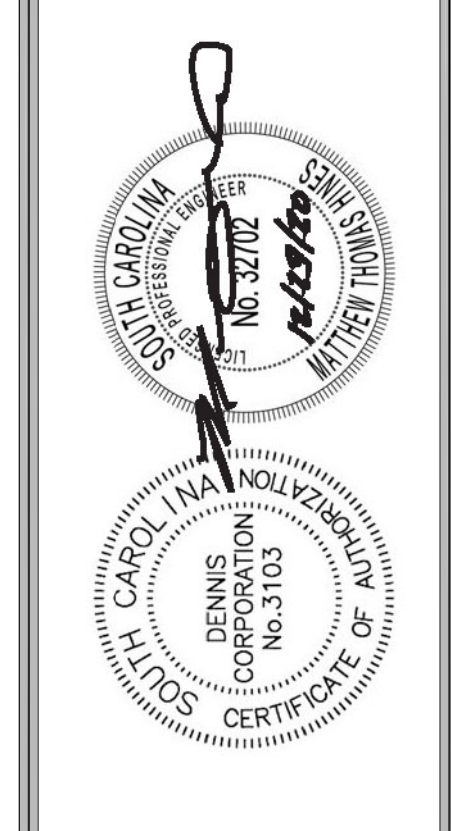
CROSS SECTIONS
CORNER LOOP
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

Project
G0004.32
Scale
1" = 10'
Sheet
C-311



Revision	Date	Description

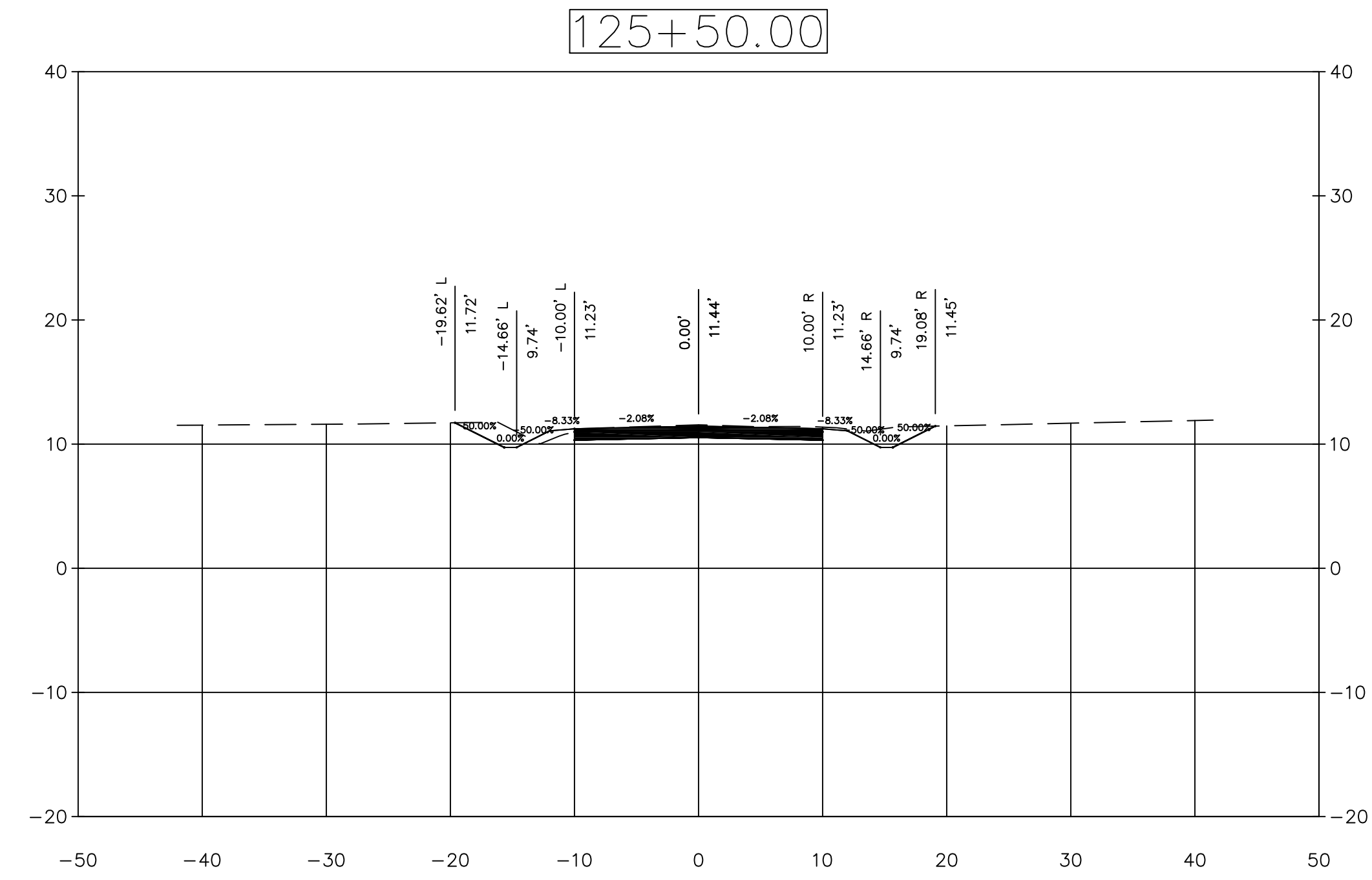
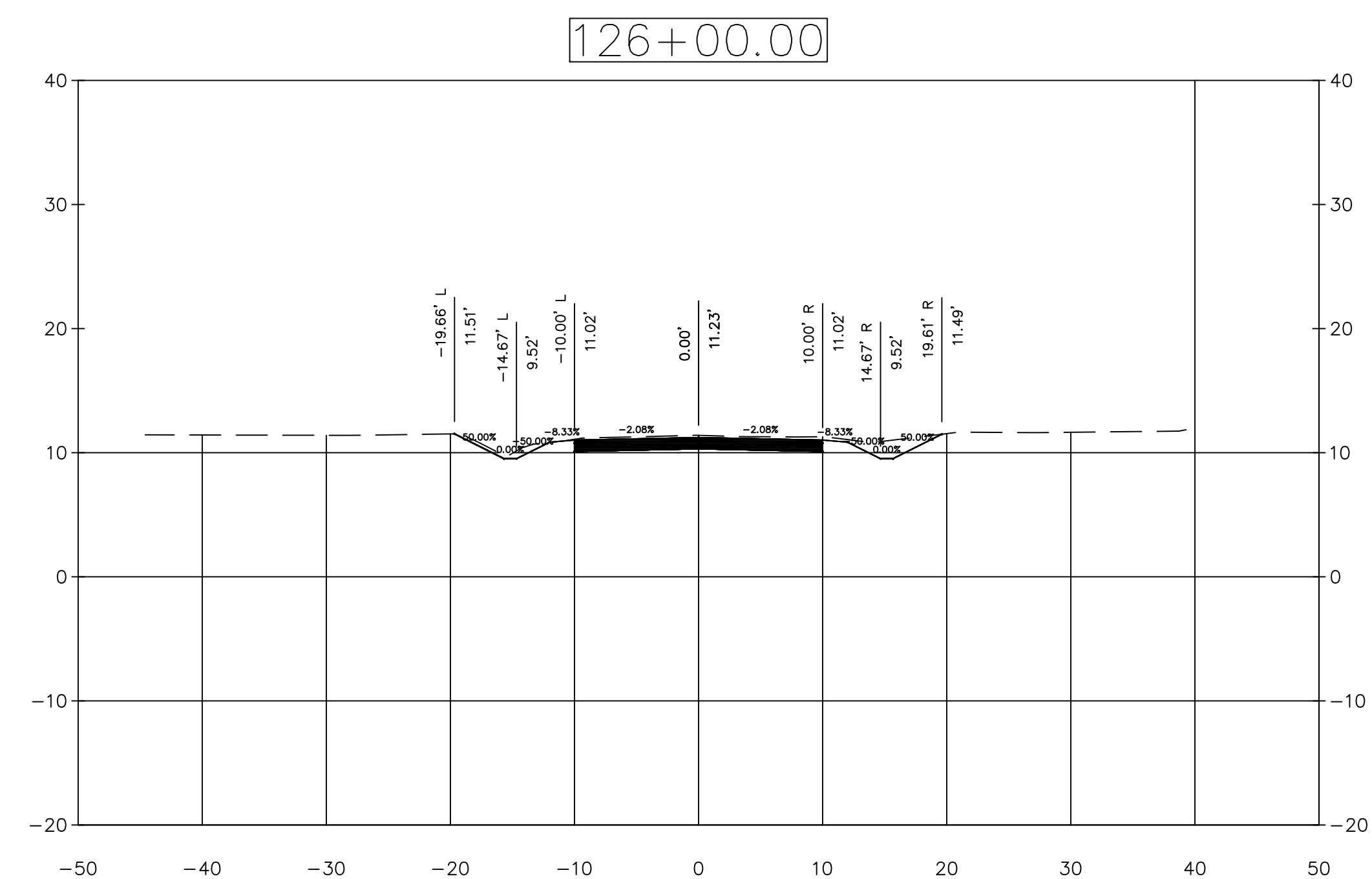
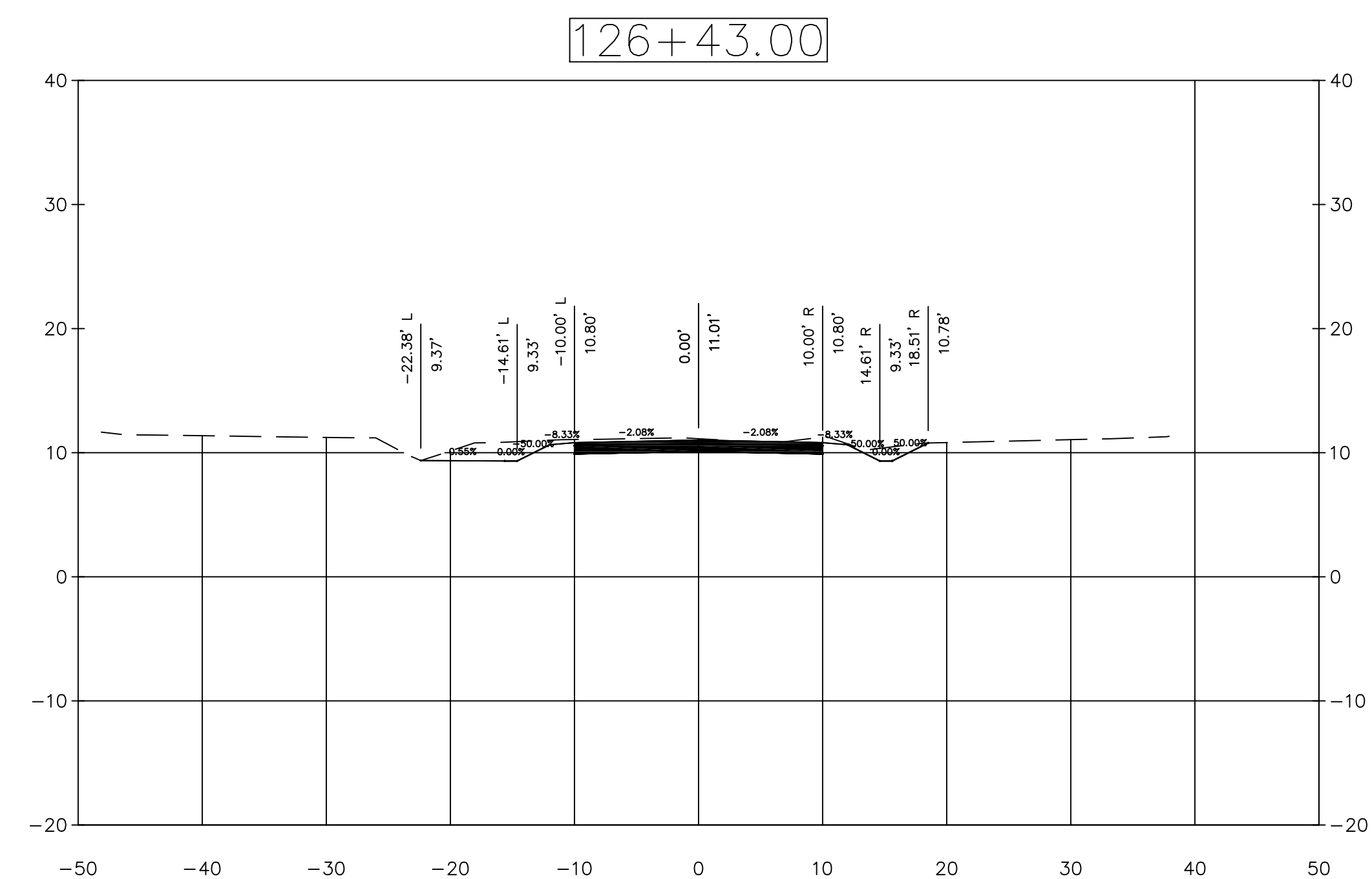
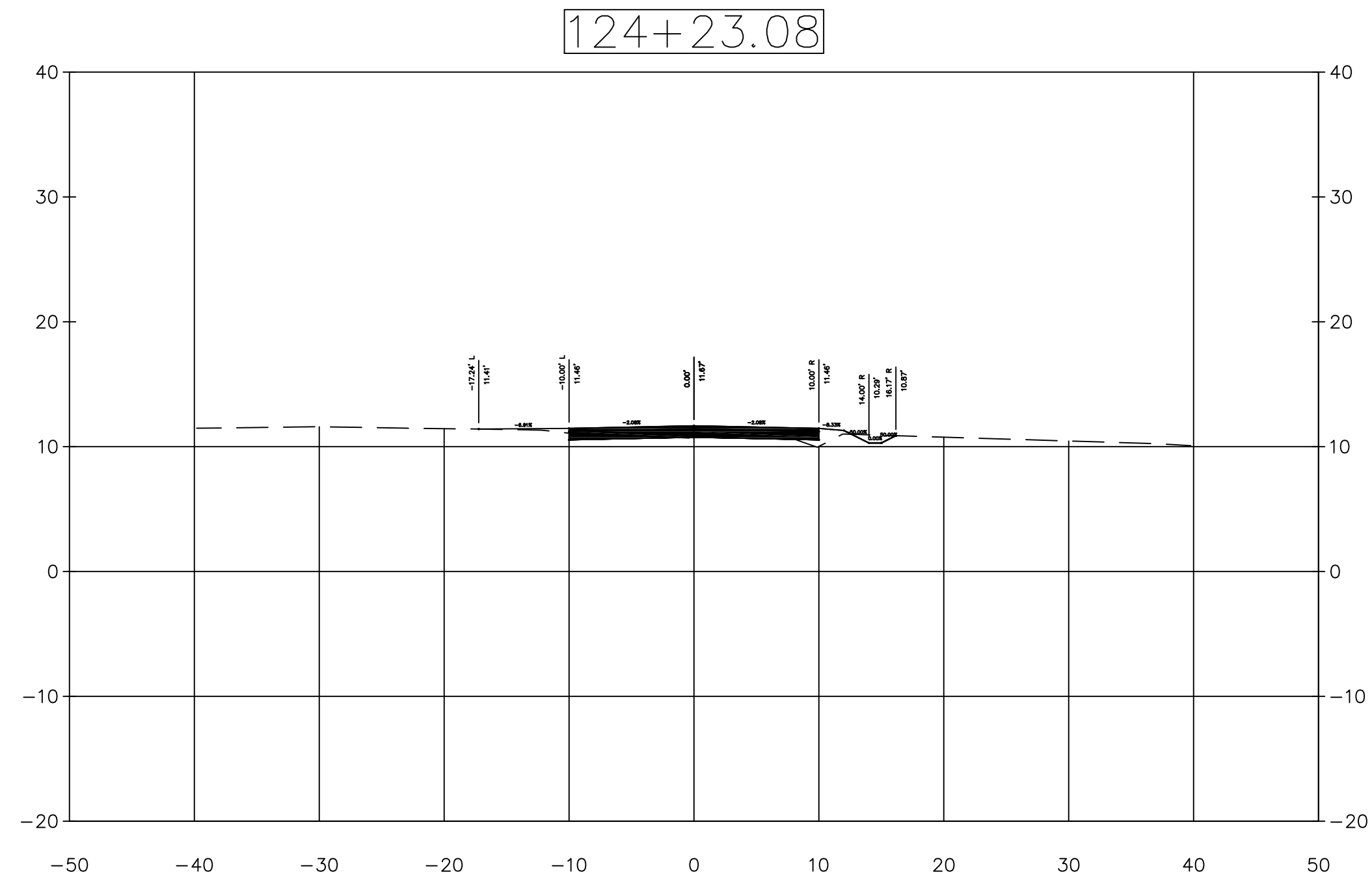
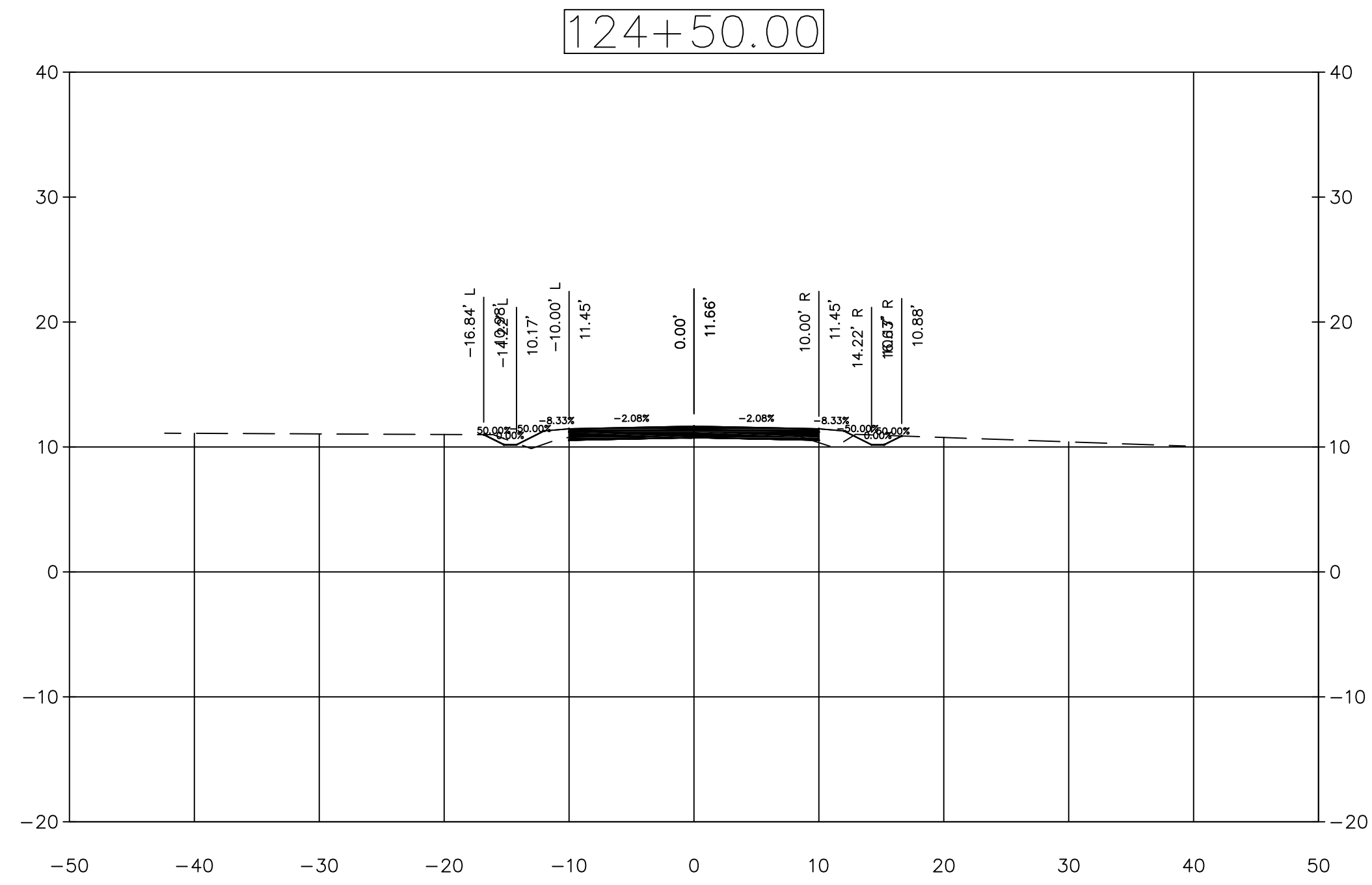
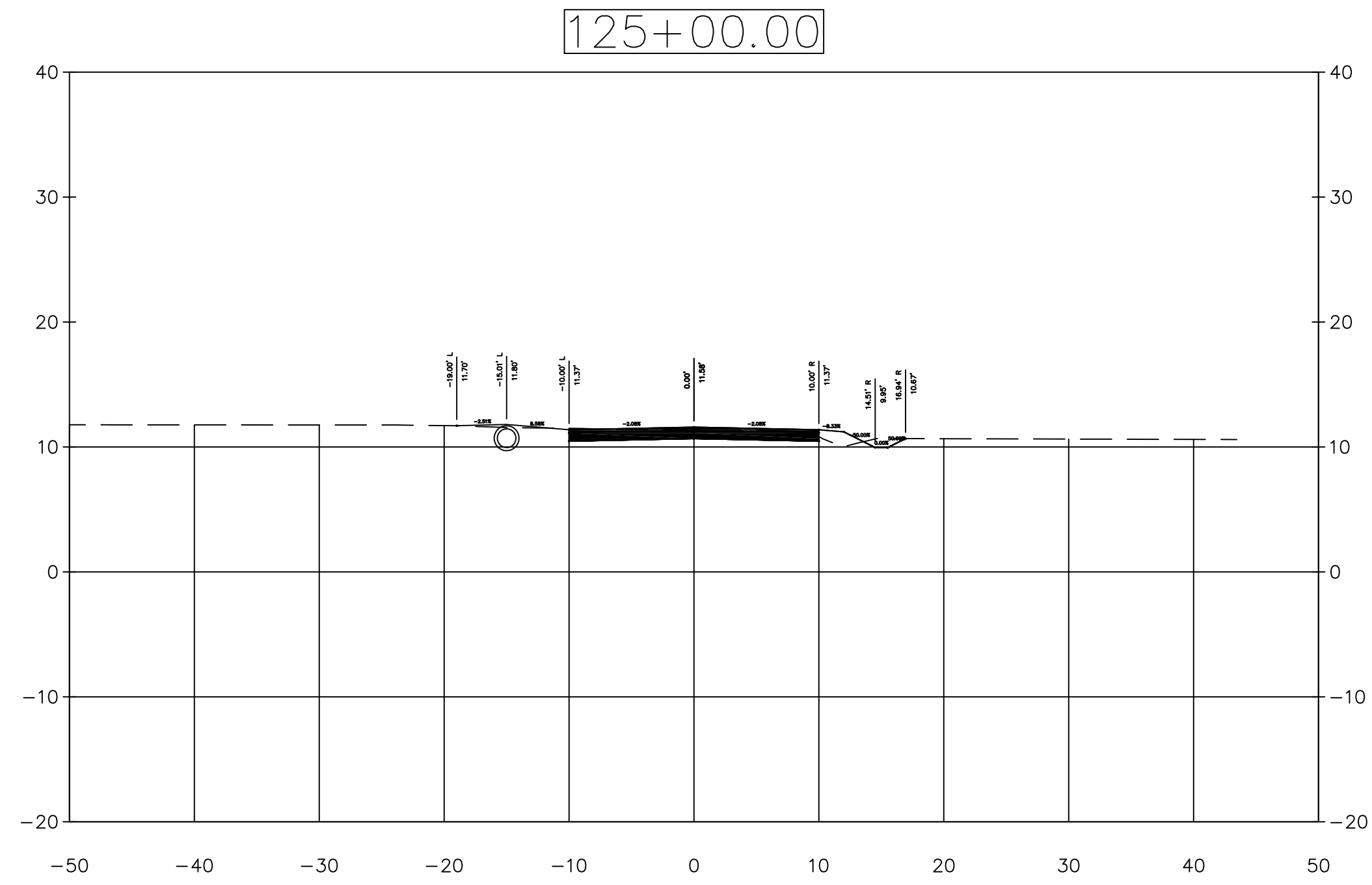


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

CROSS SECTIONS
 CORNER LOOP
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project: G0004.32
 Scale: 1" = 10'
 Sheet: C-312



Revision	Date	Description

Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CROSS SECTIONS
CORNER LOOP

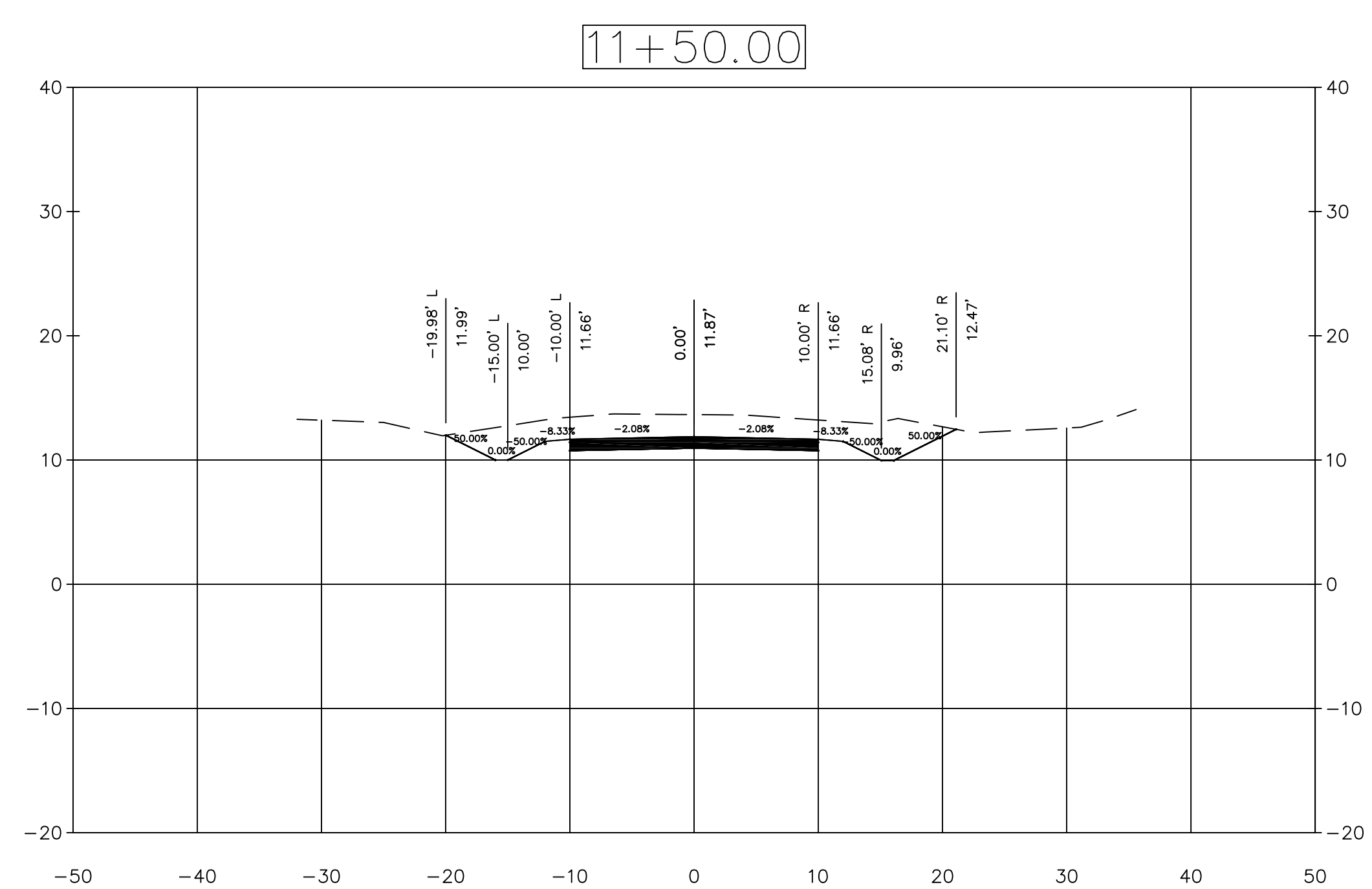
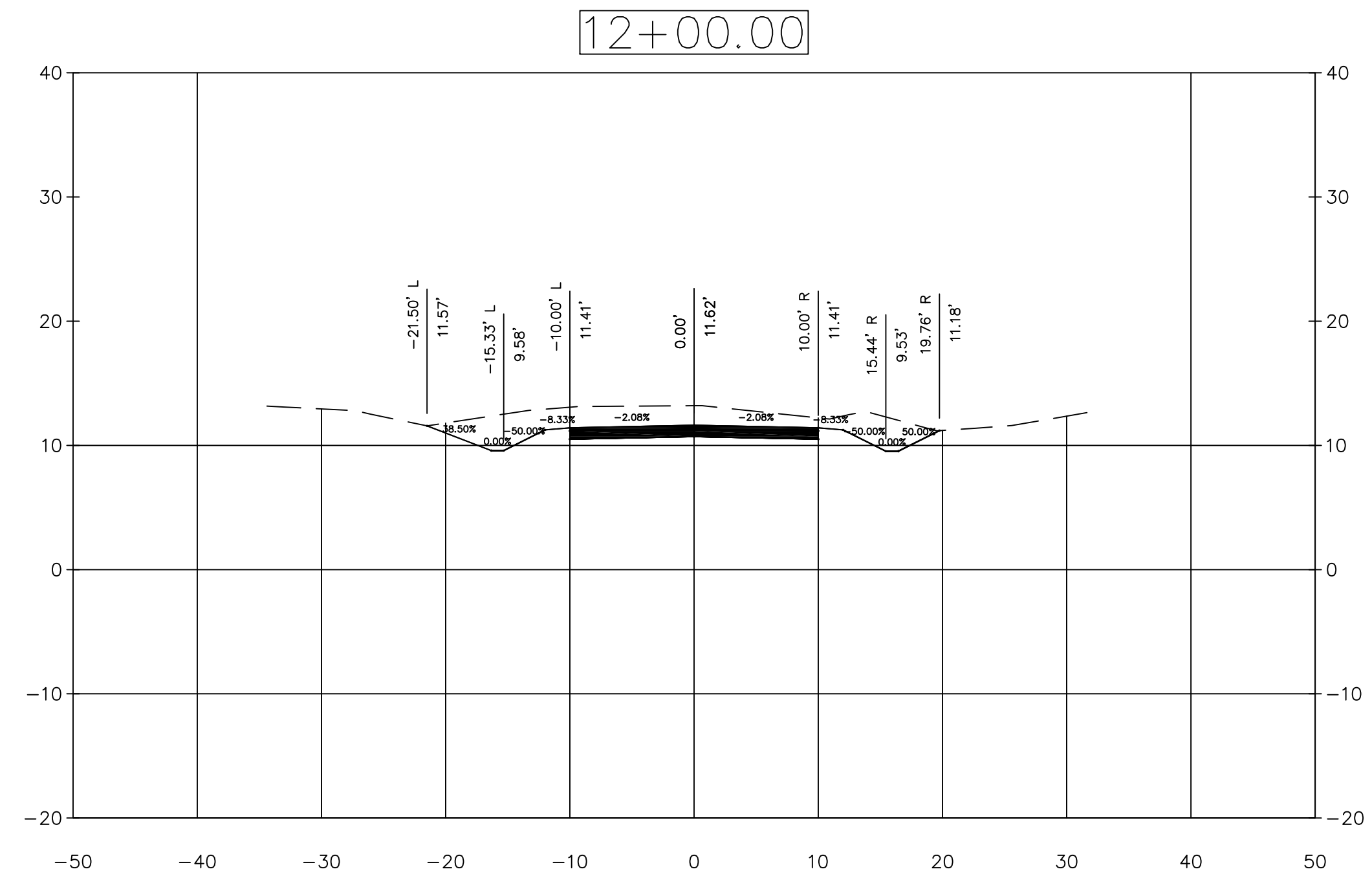
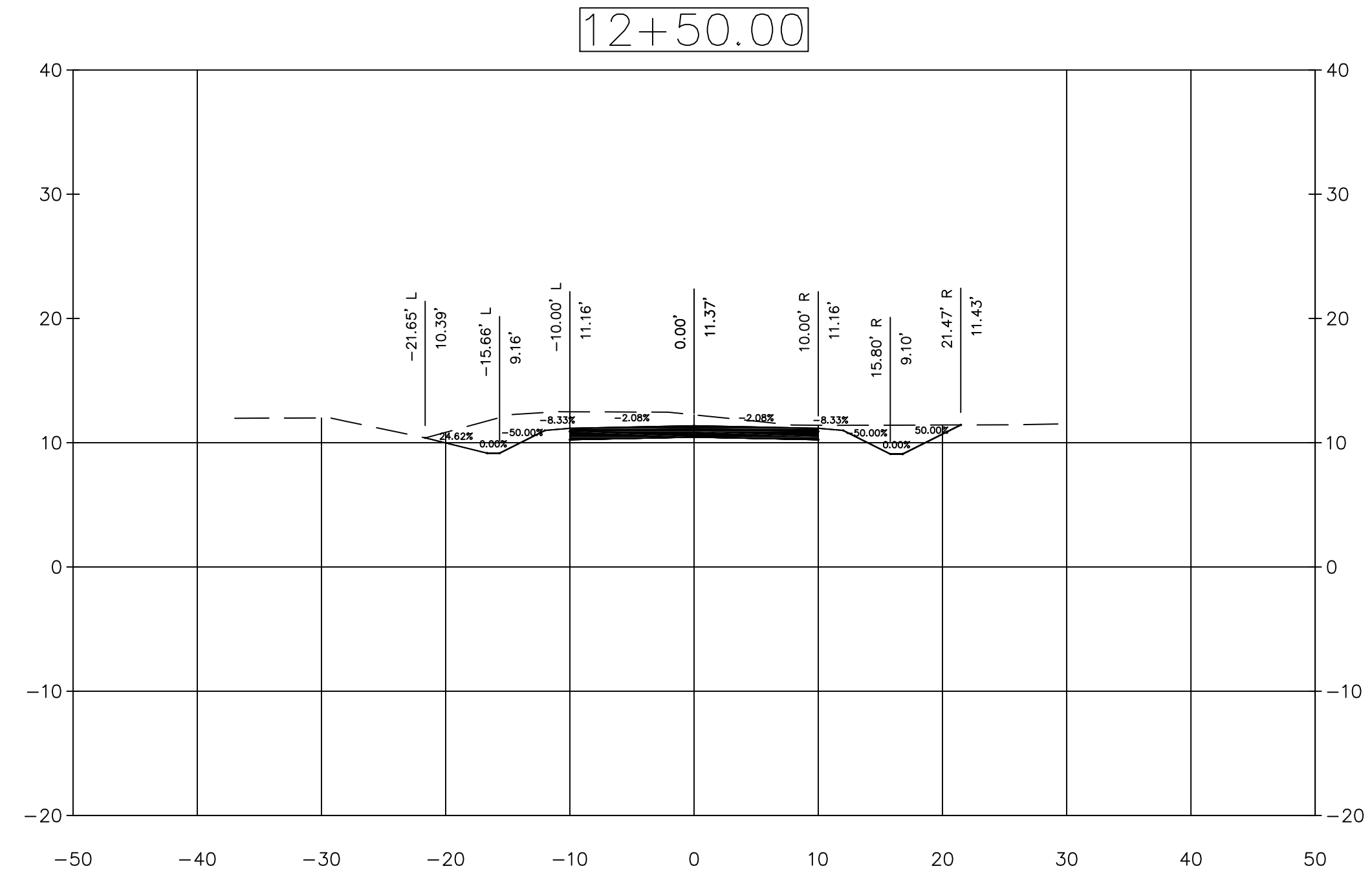
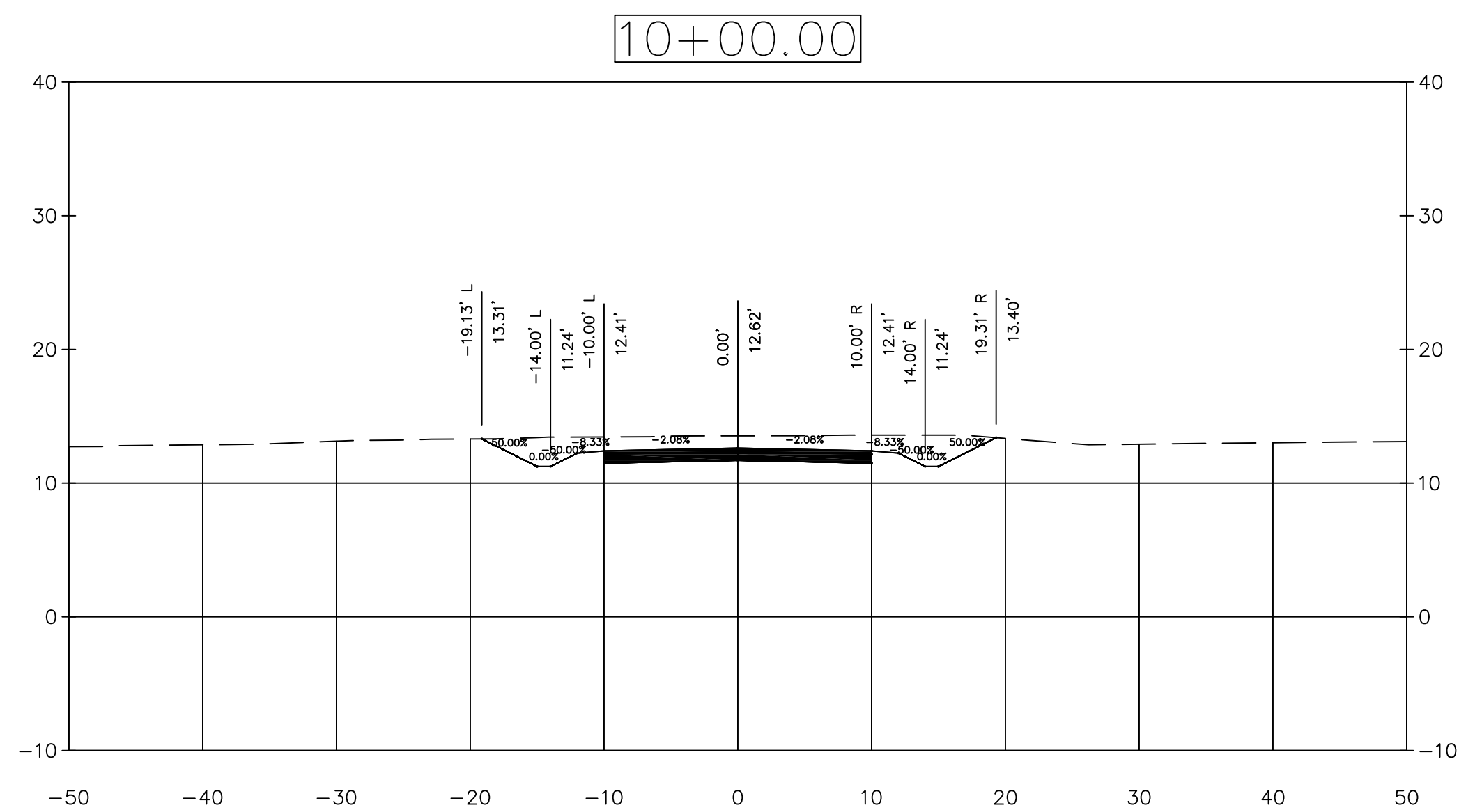
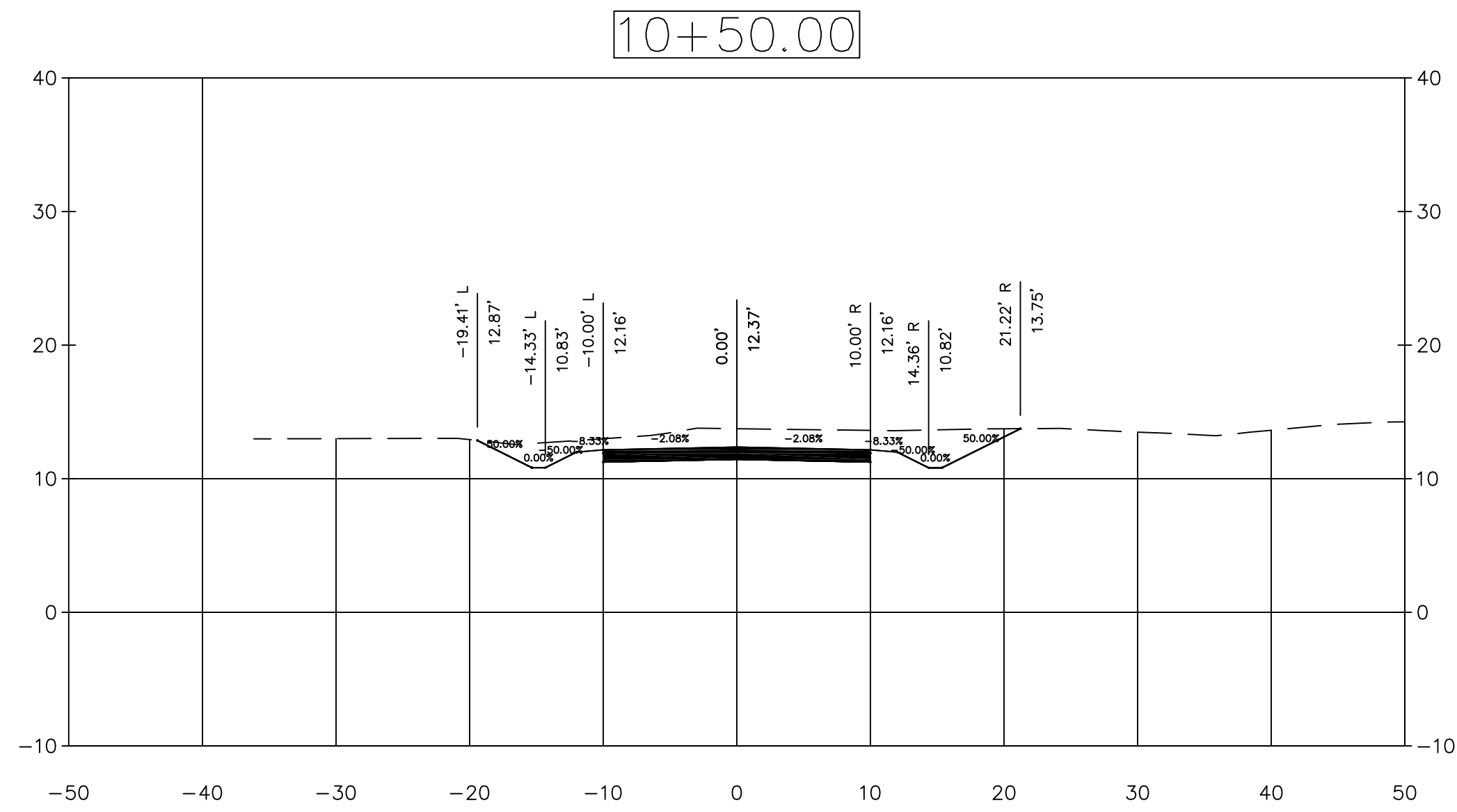
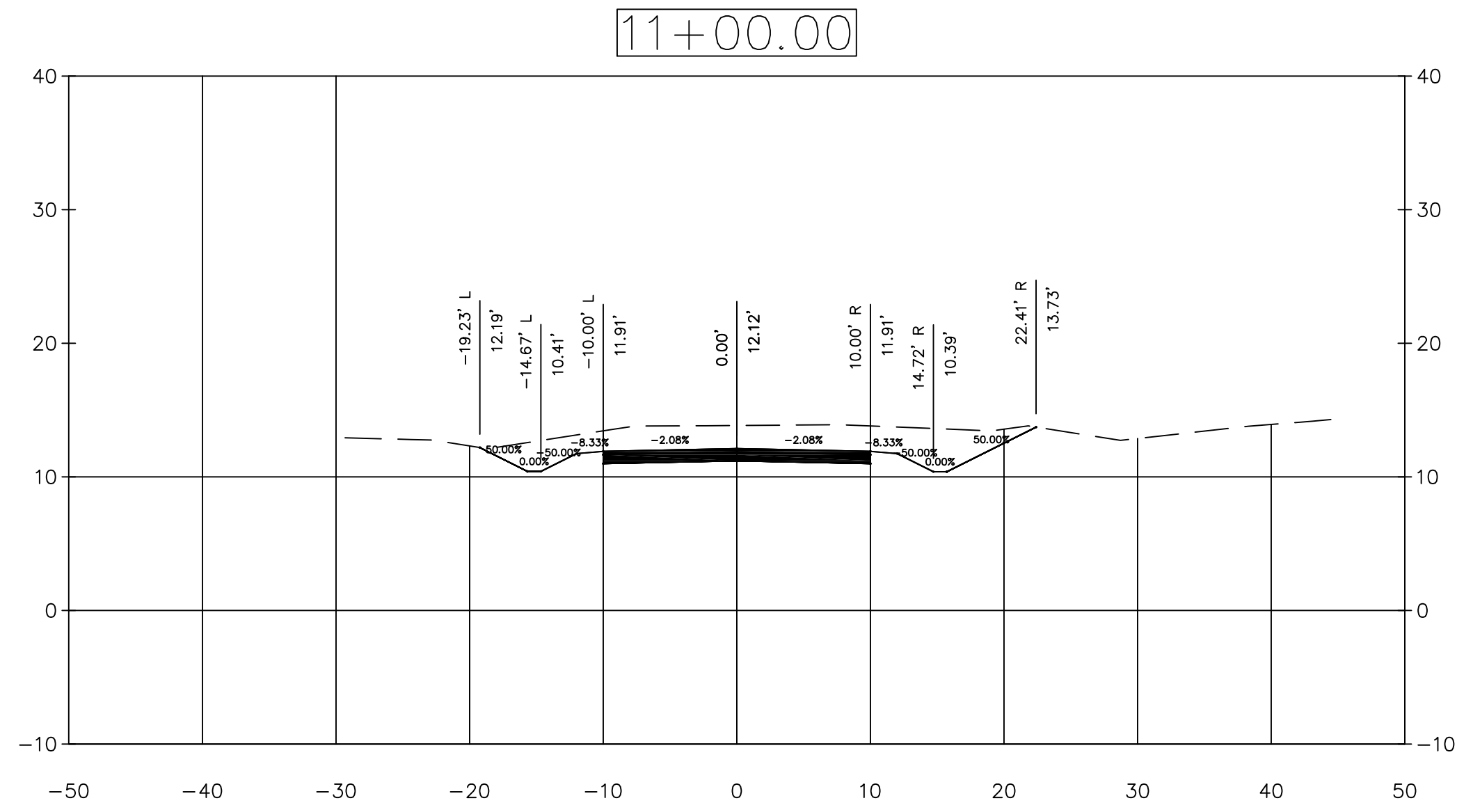
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.32

Scale
1" = 10'

Sheet
C-313



Revision	Date	Description

Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

CROSS SECTIONS
BELLADONNA

DENNIS
CORPORATION

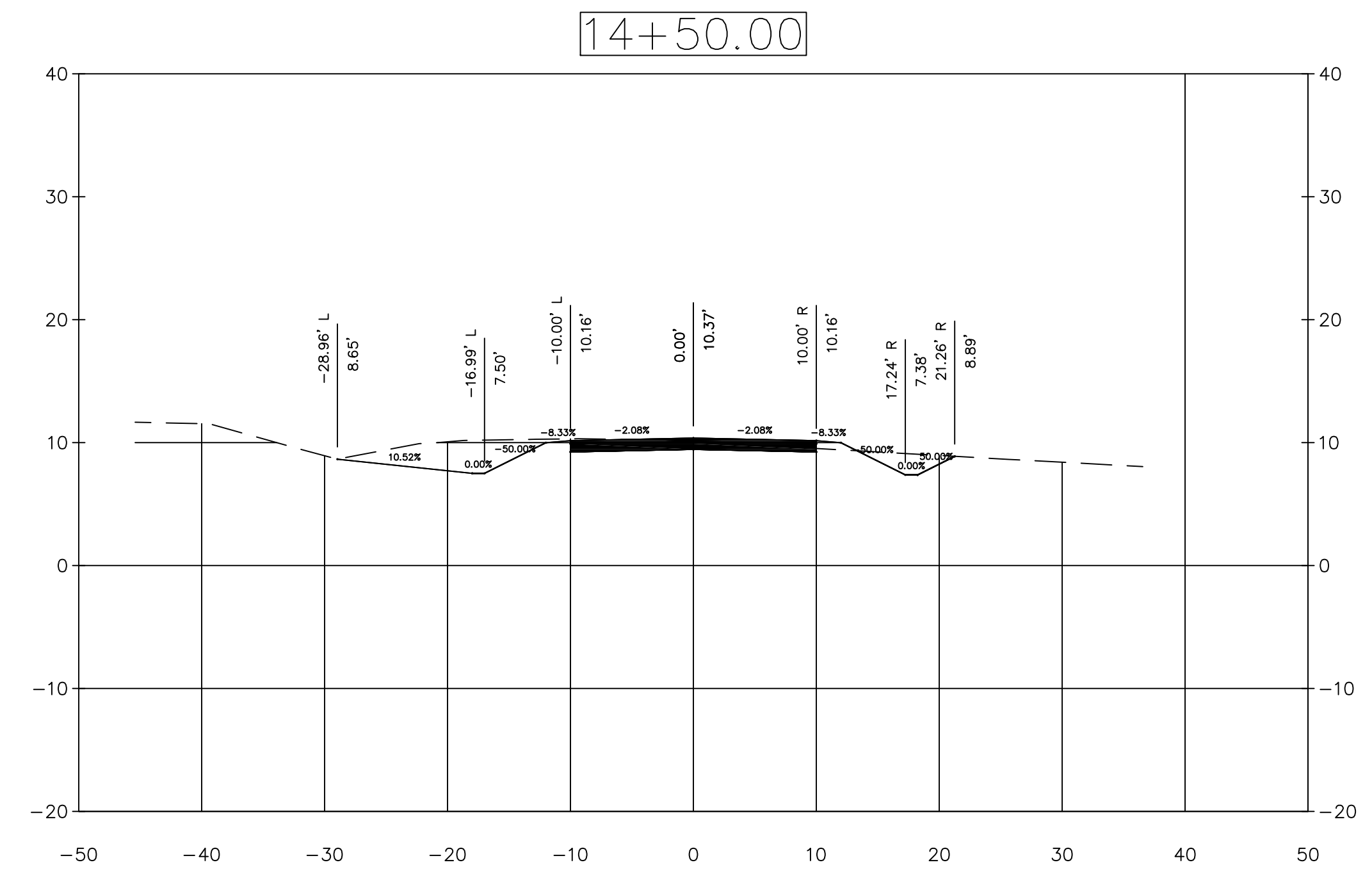
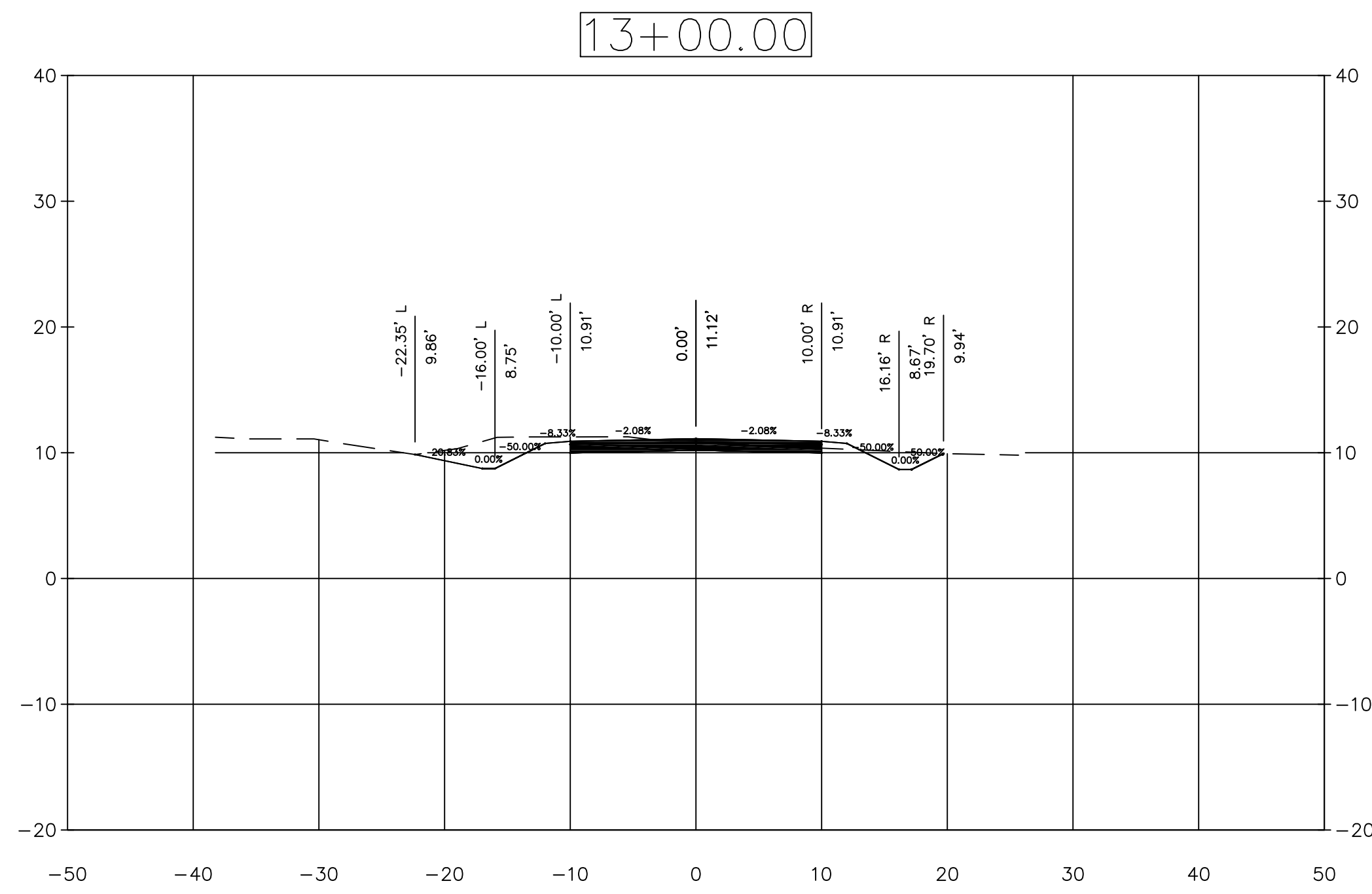
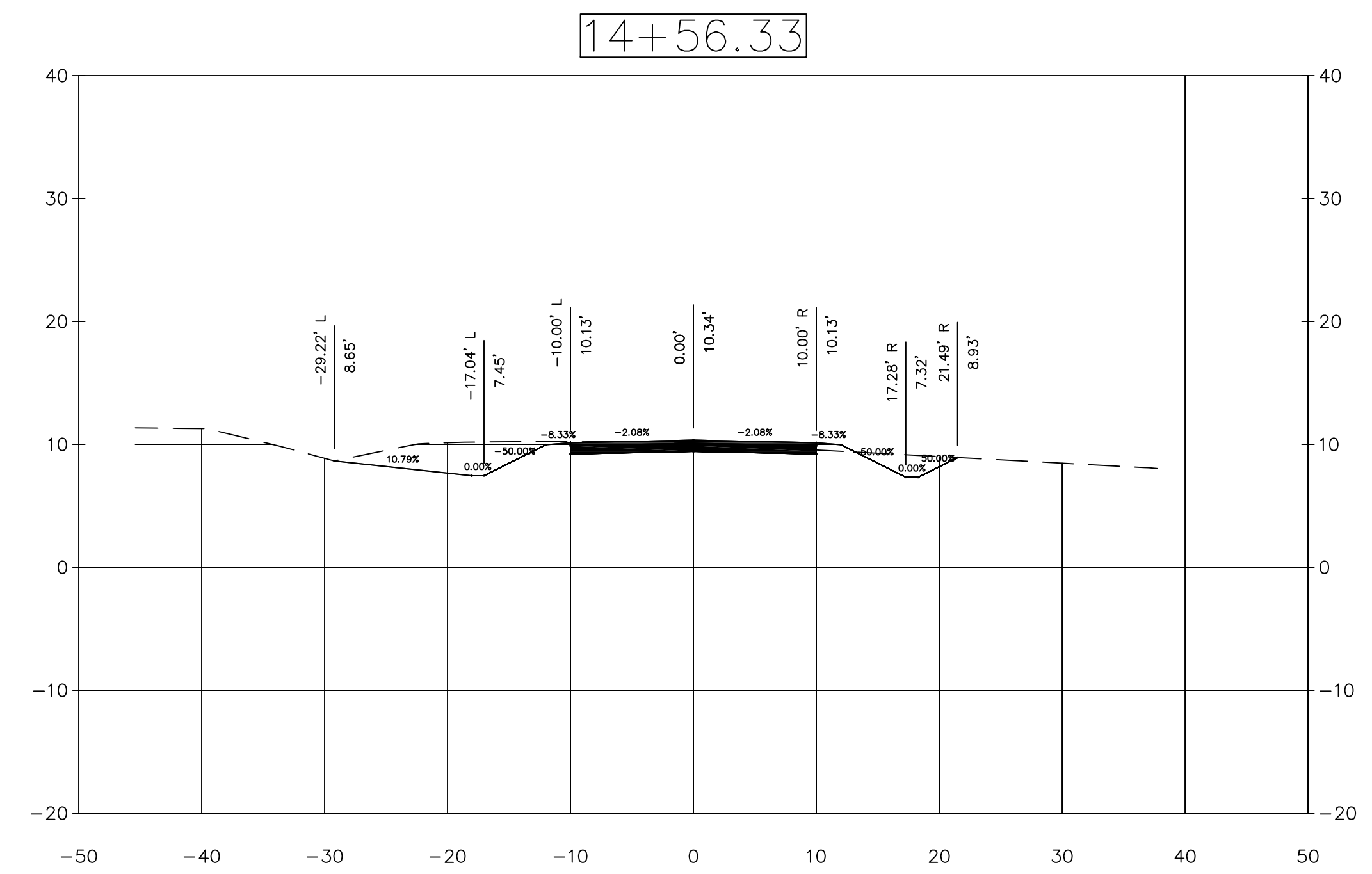
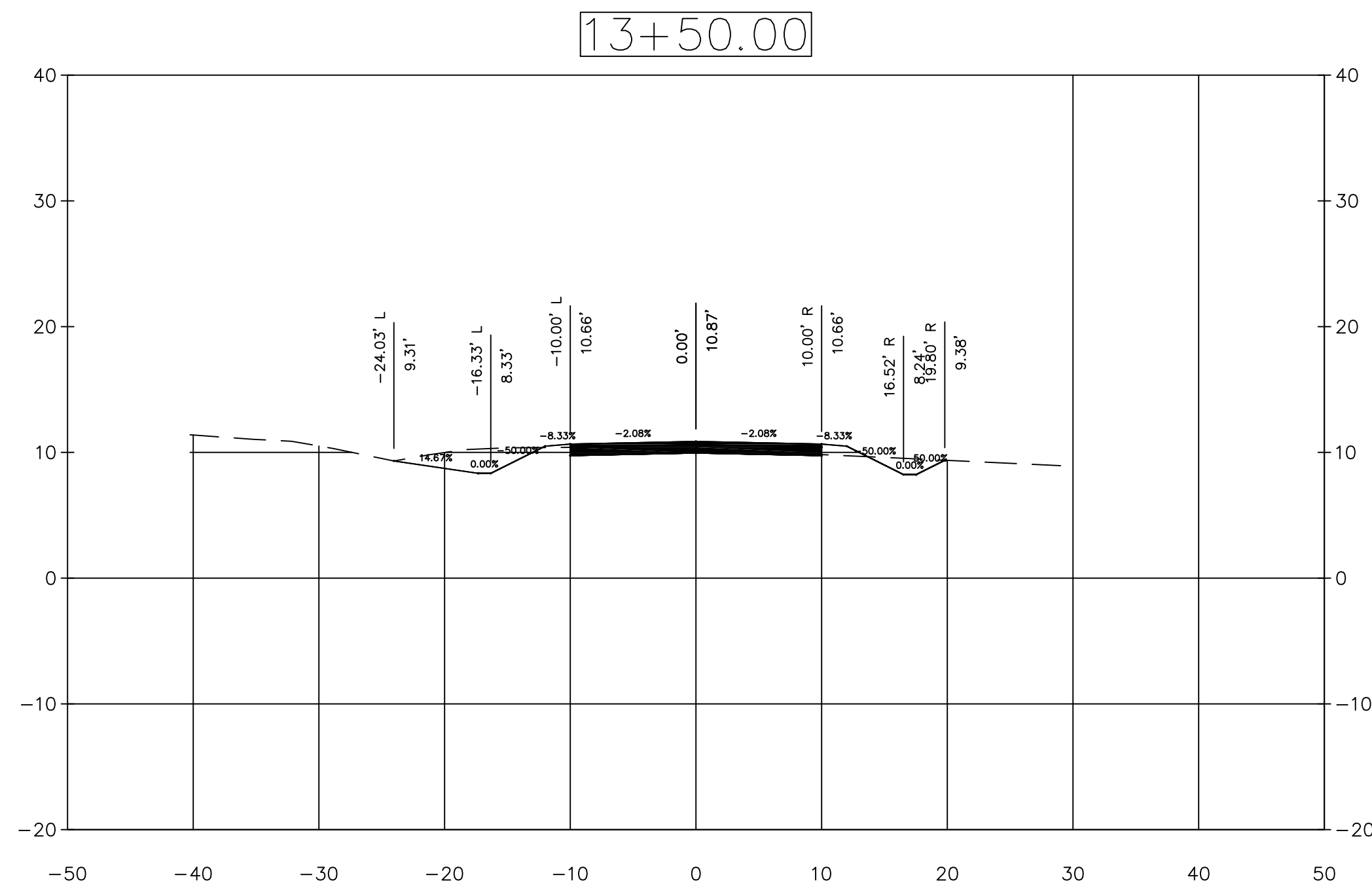
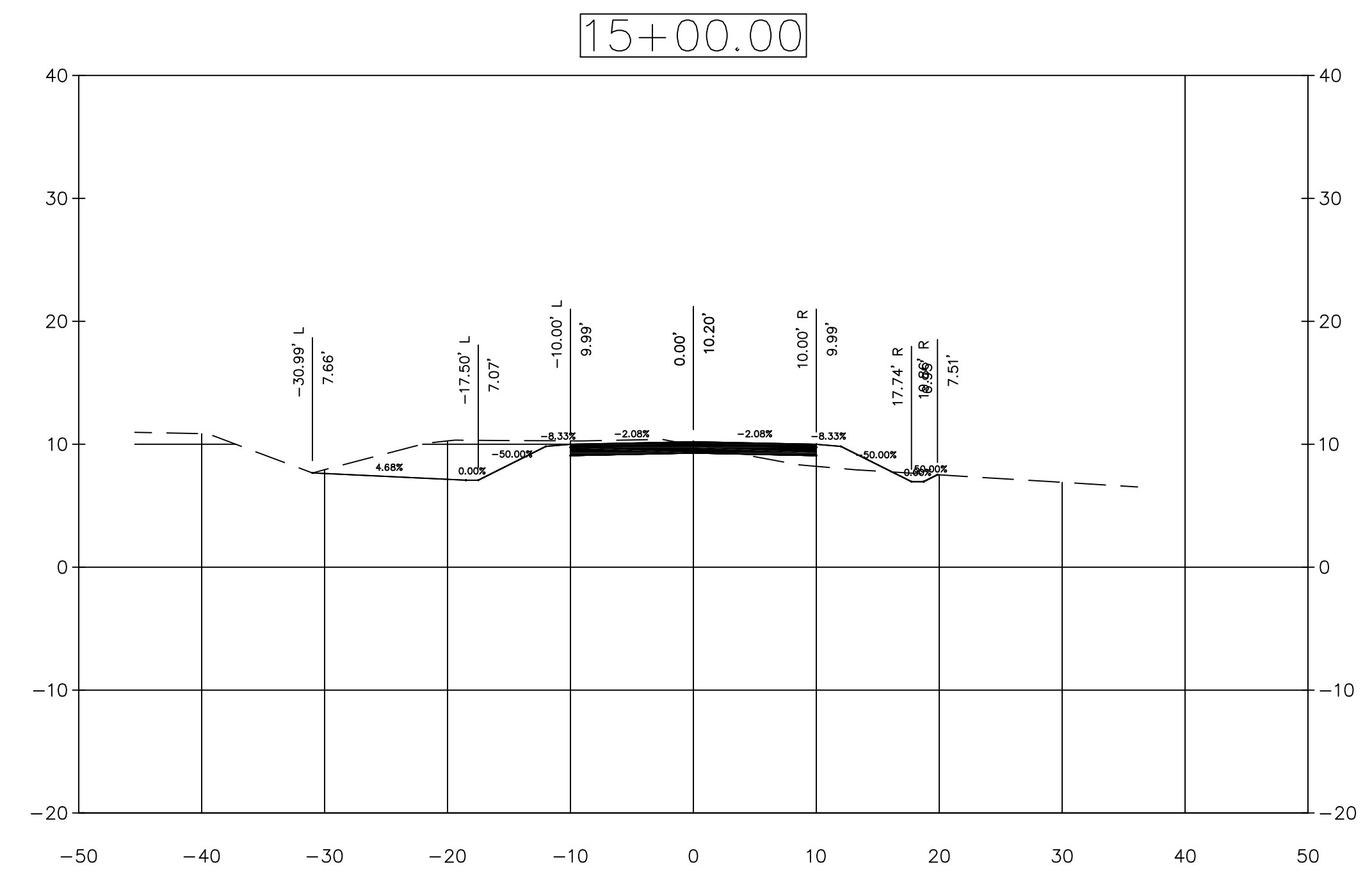
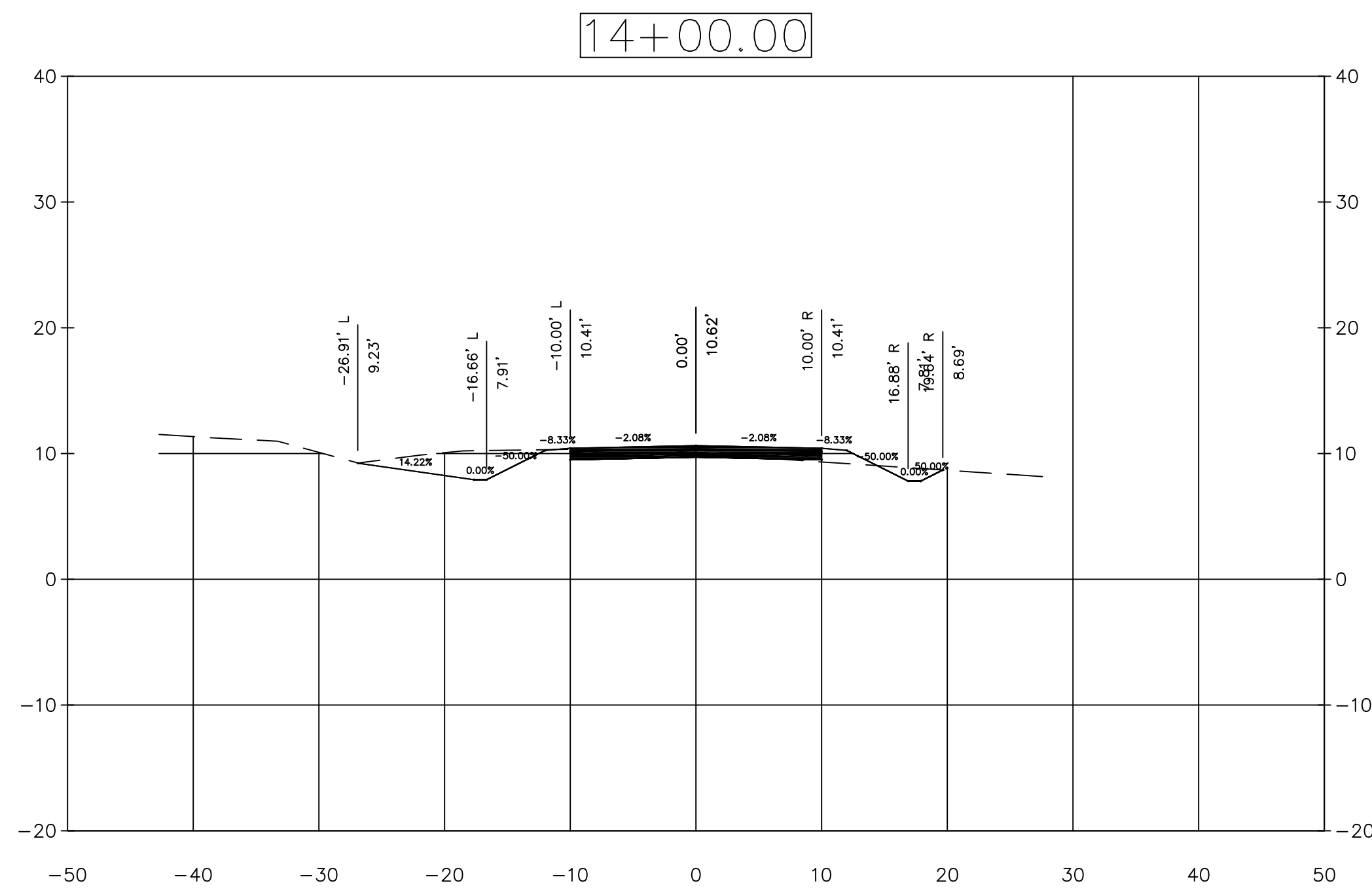
CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY

GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

Project
G0004.32

Scale
1" = 10'

Sheet
C-314

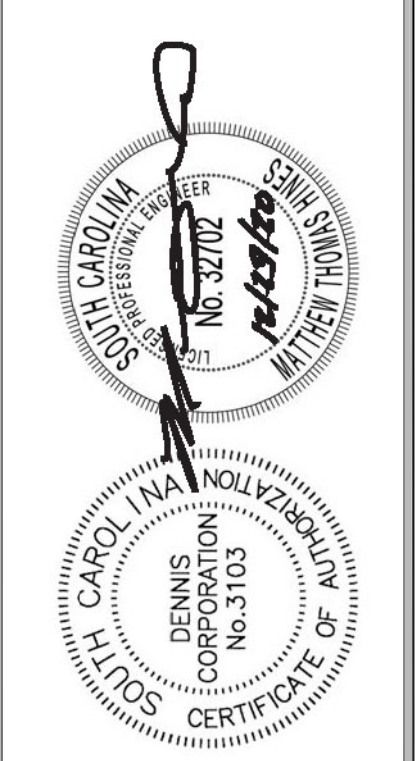


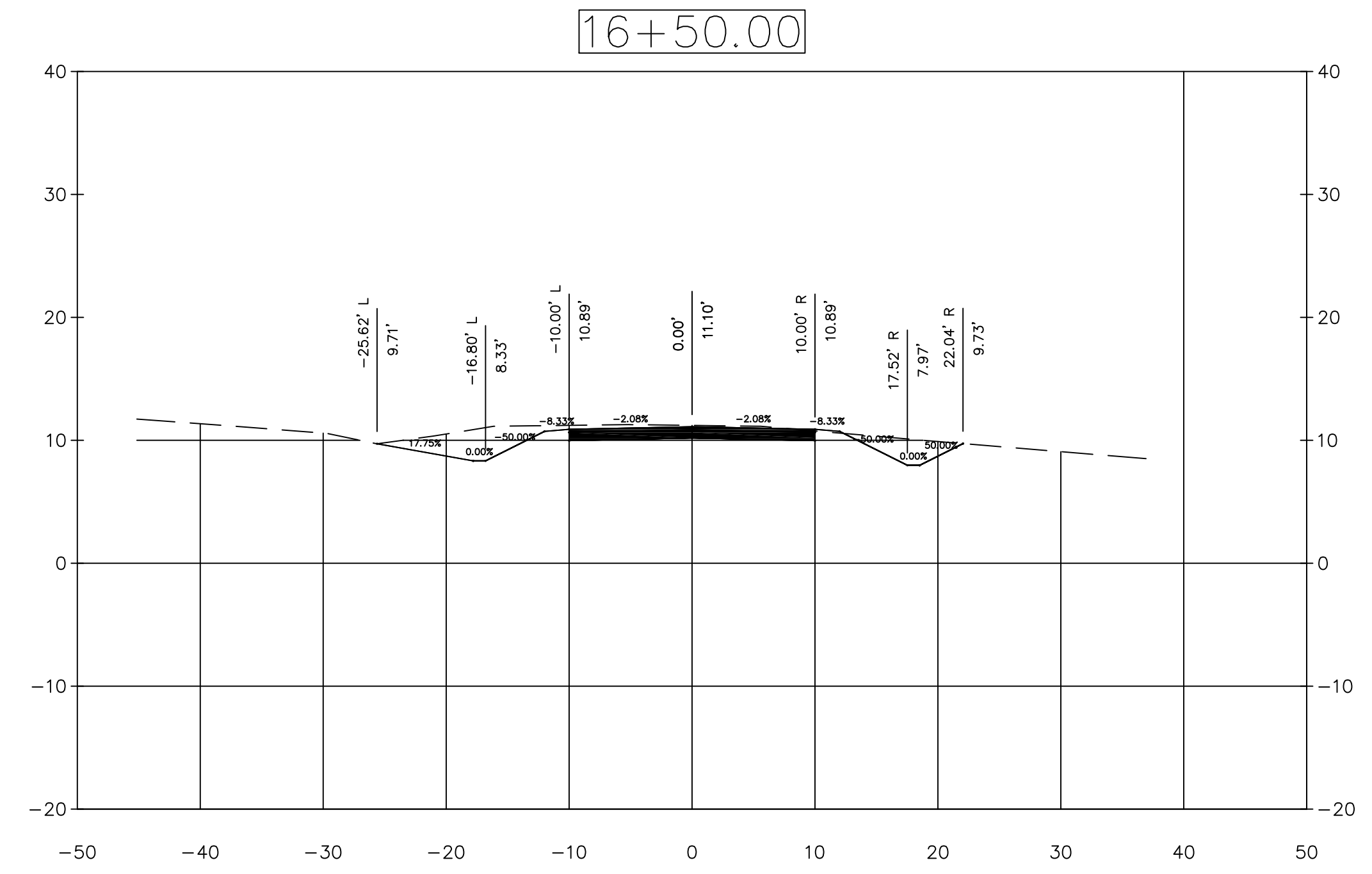
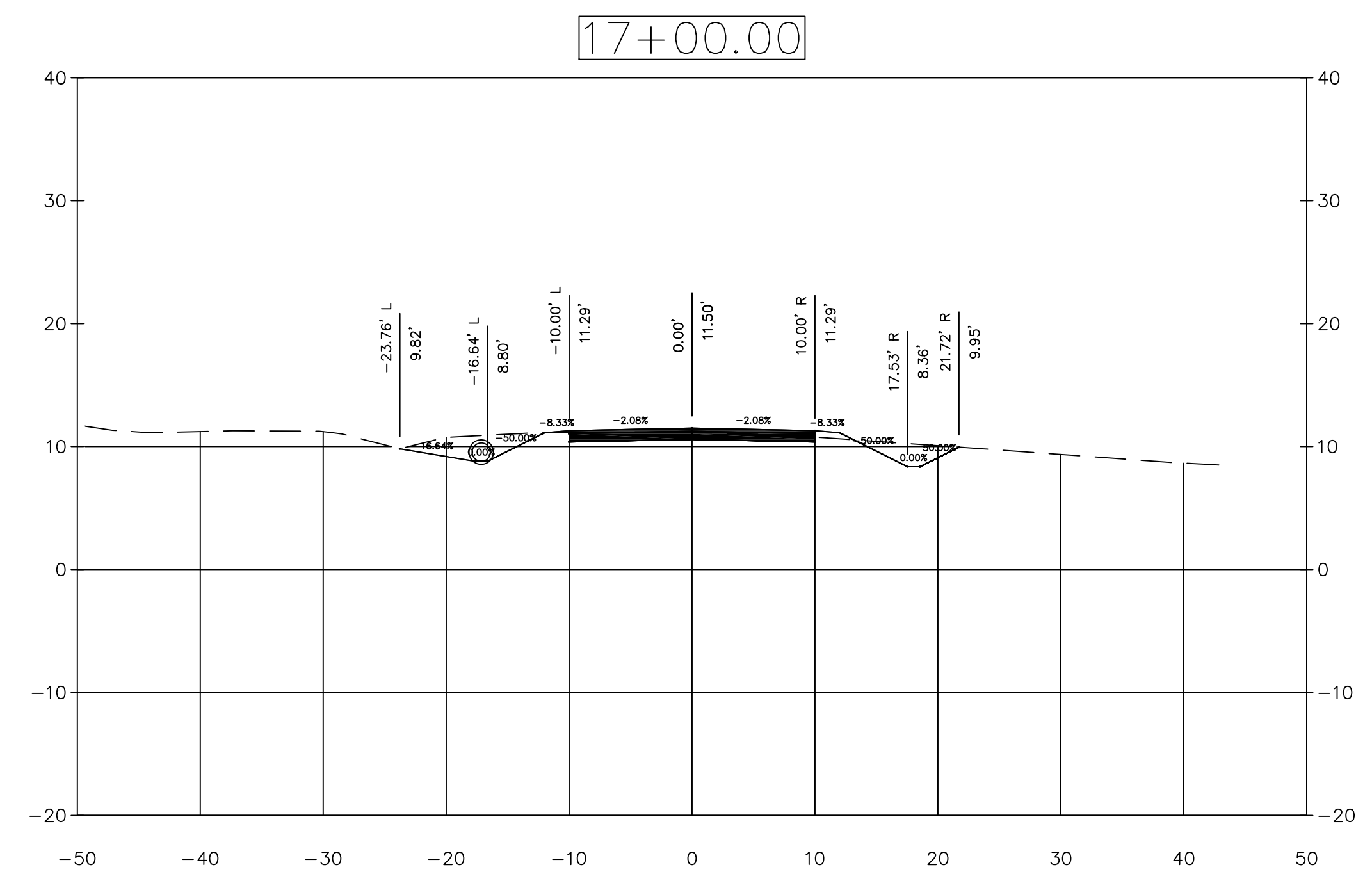
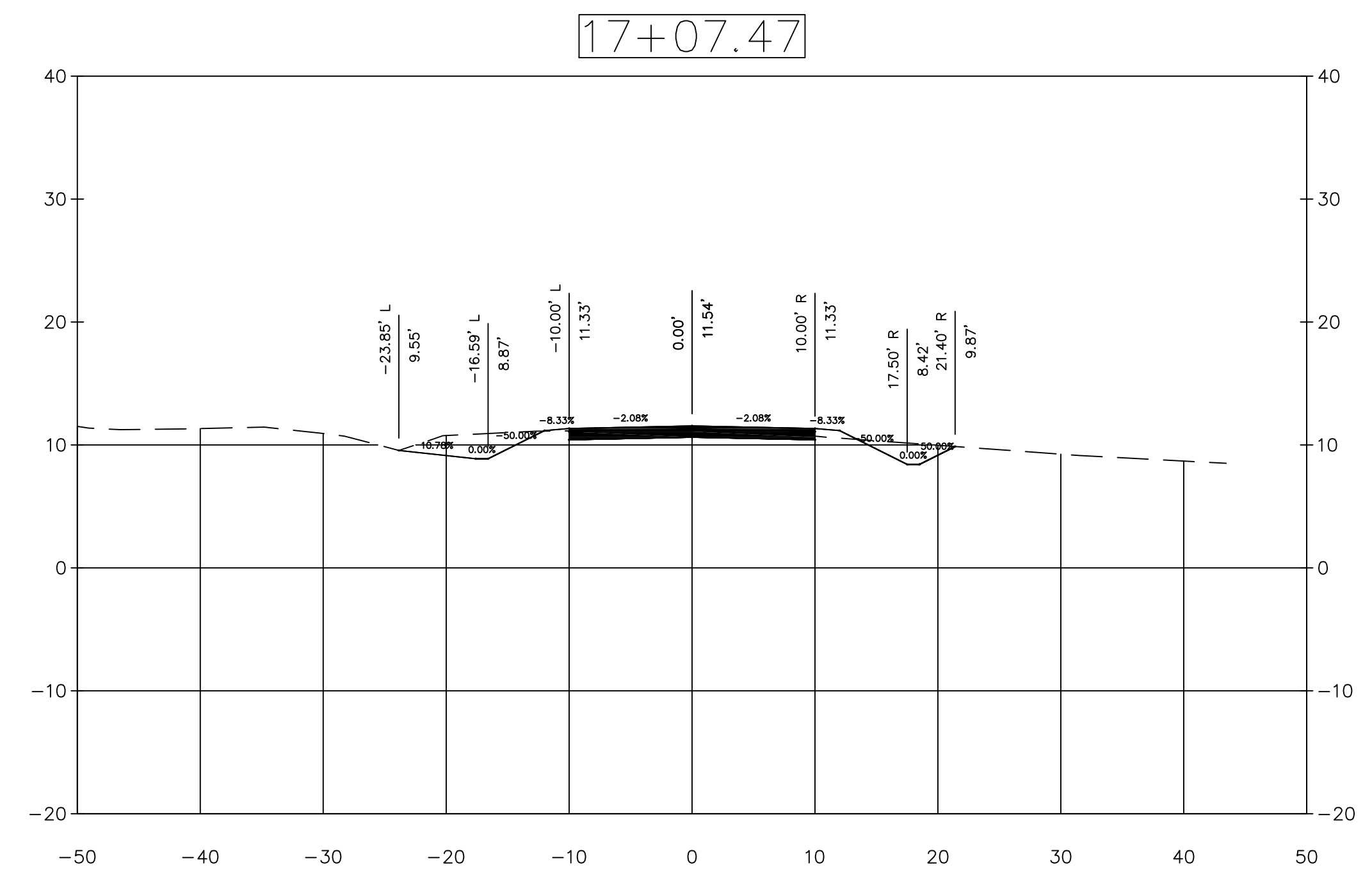
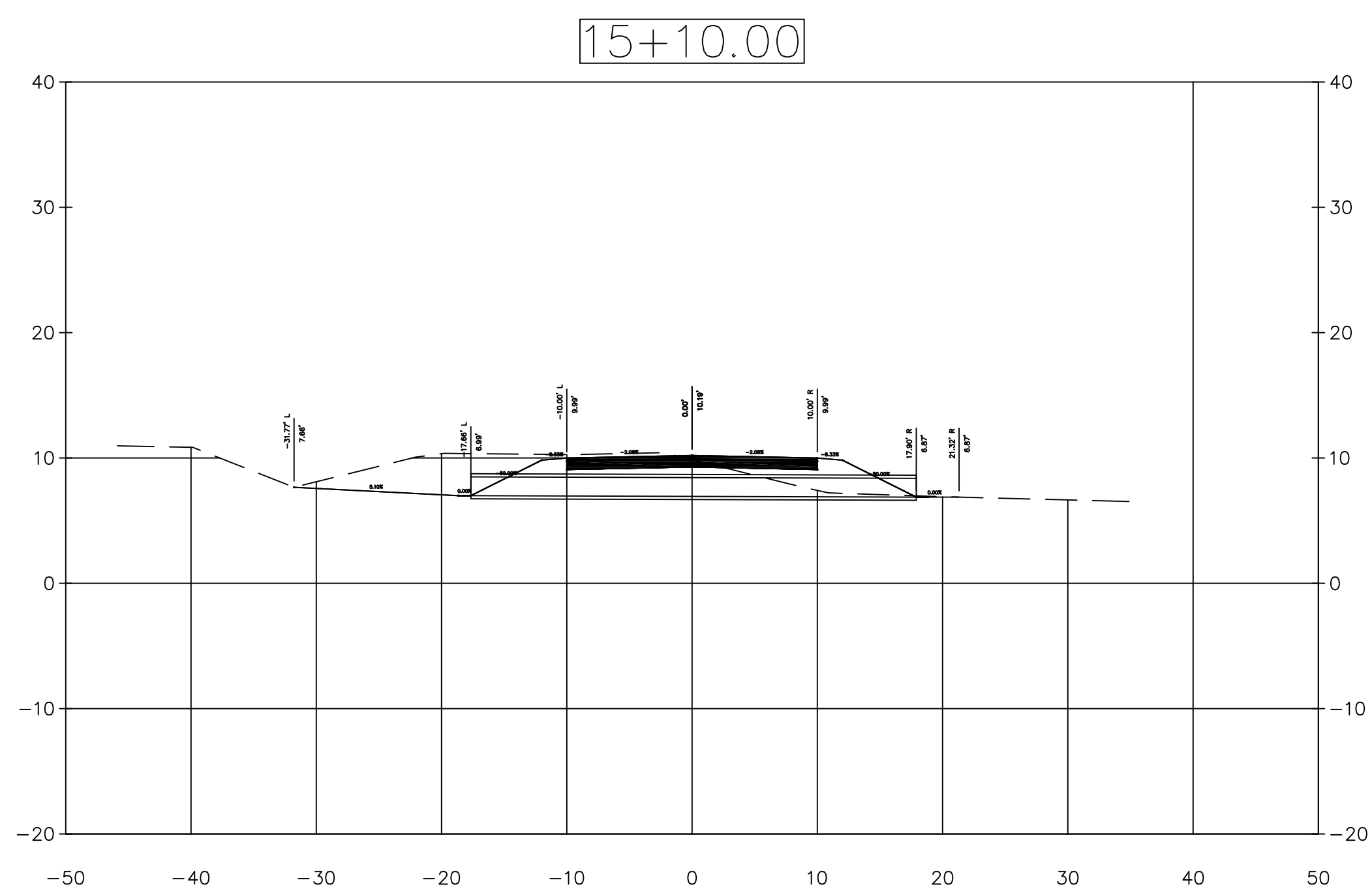
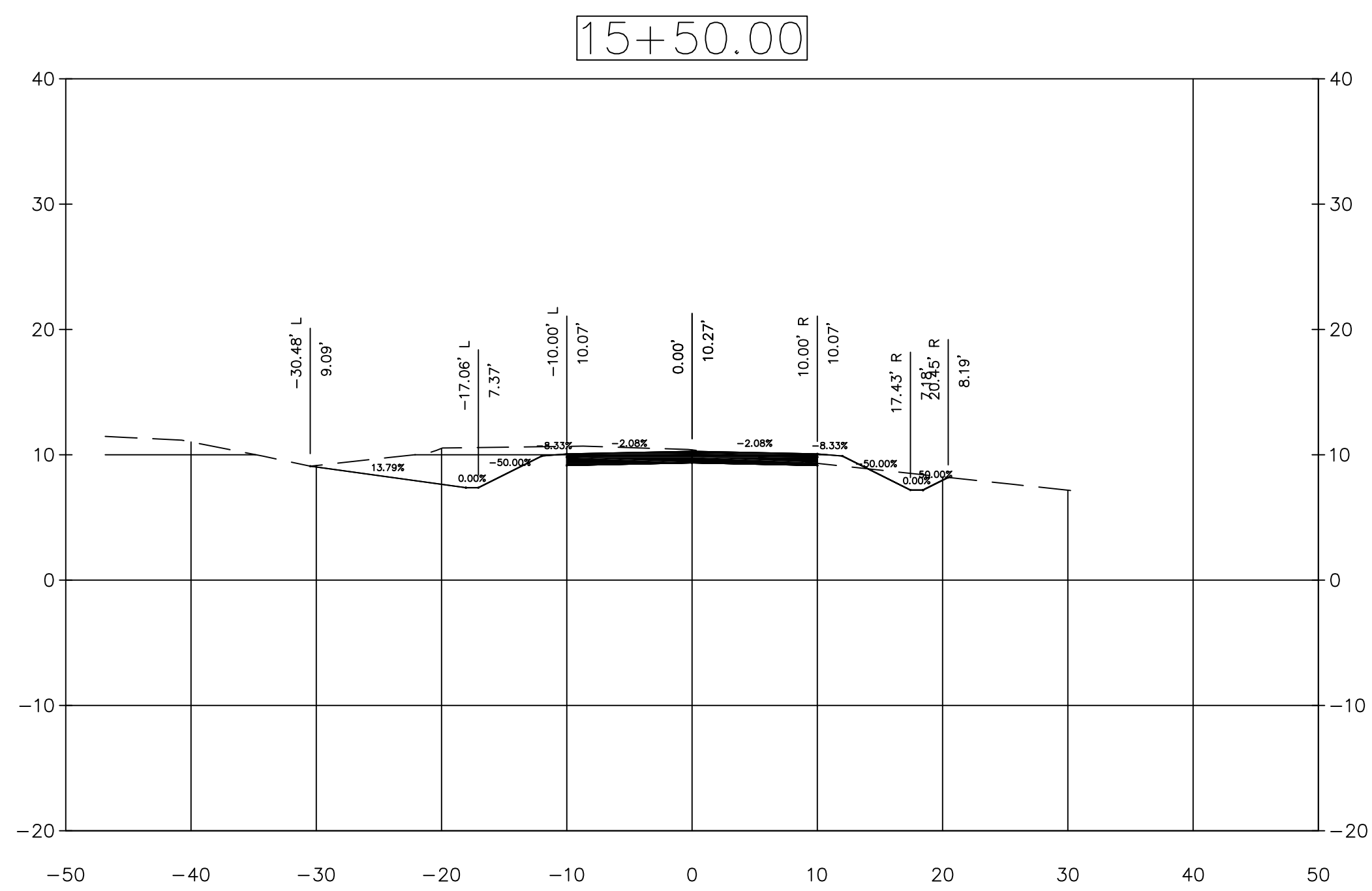
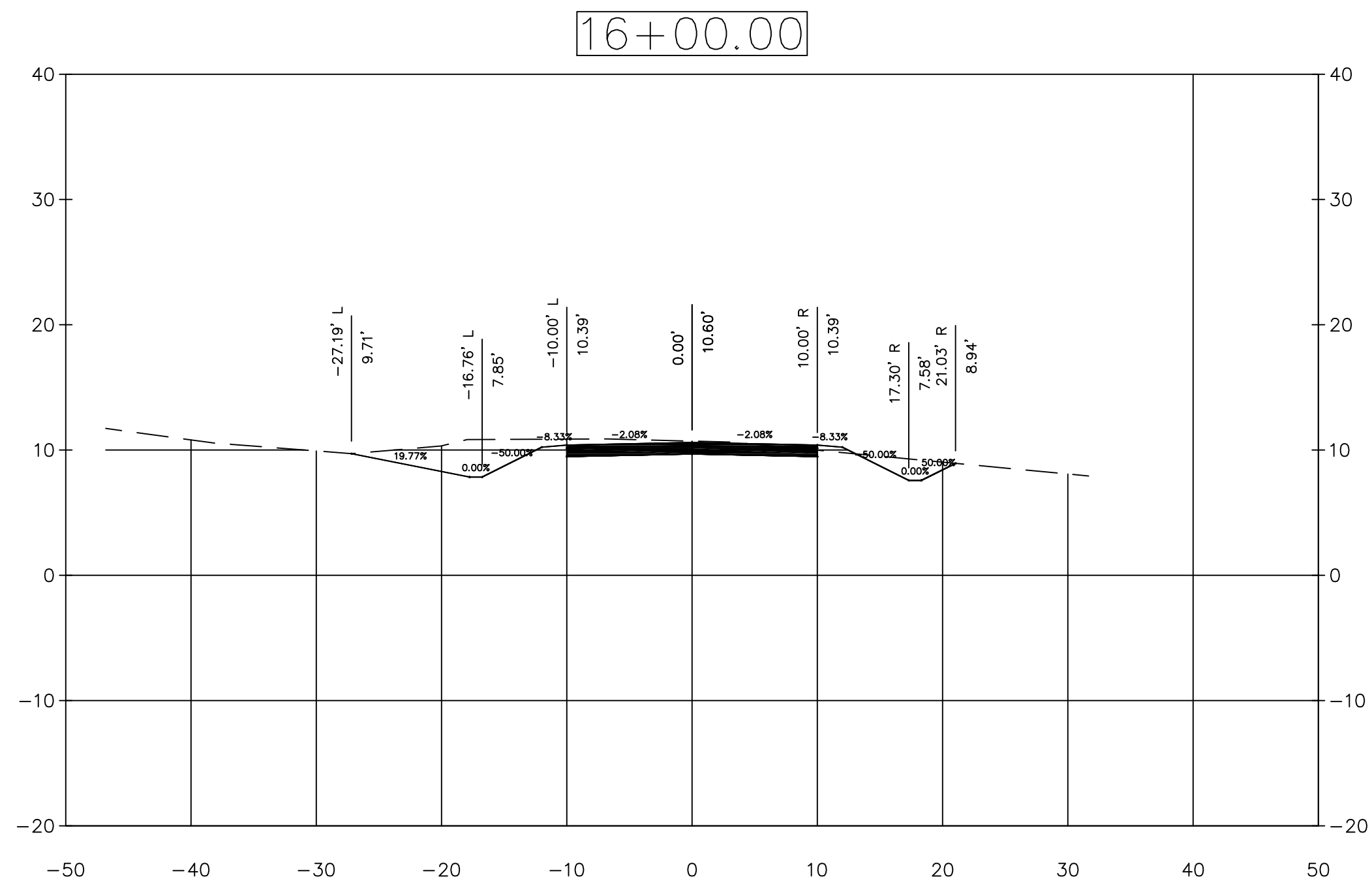
Revision	Date	Description

Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

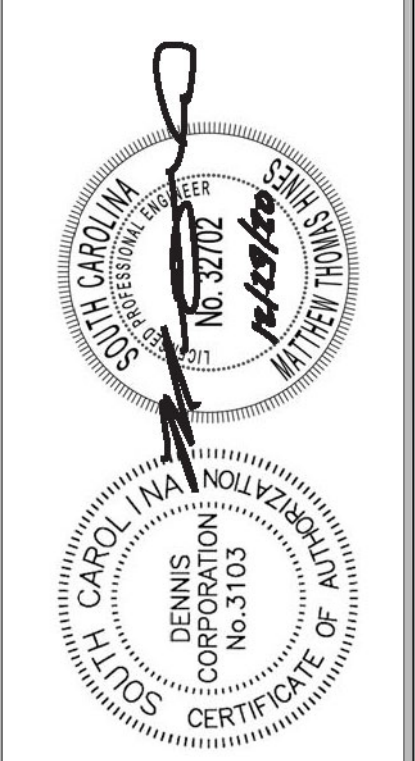
CROSS SECTIONS
 BELLADONNA
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY | SOUTH CAROLINA
 JUNE 2020
 Project: G0004.32
 Scale: 1" = 10'
 Sheet: C-315





Revision	Date	Description

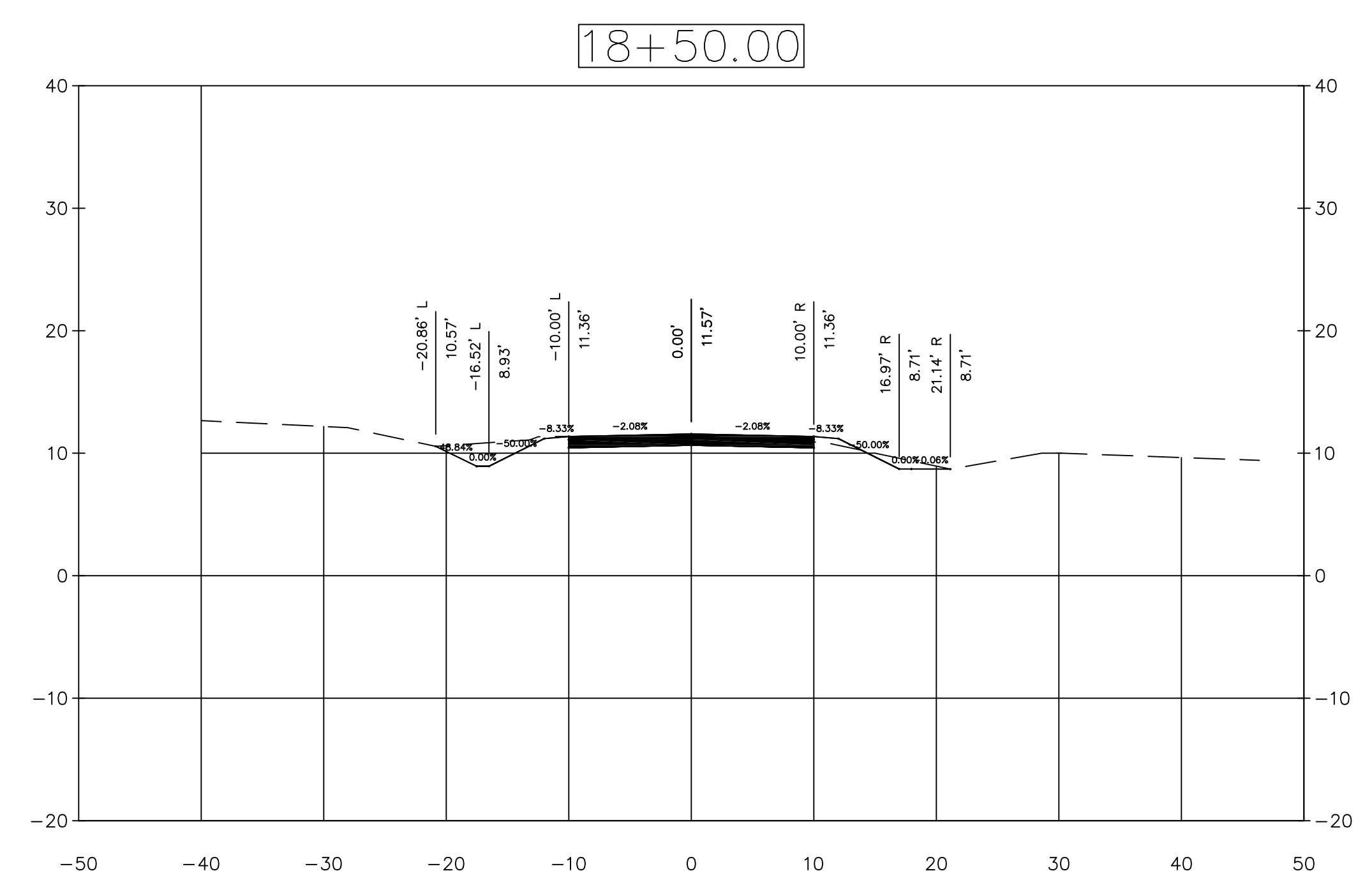
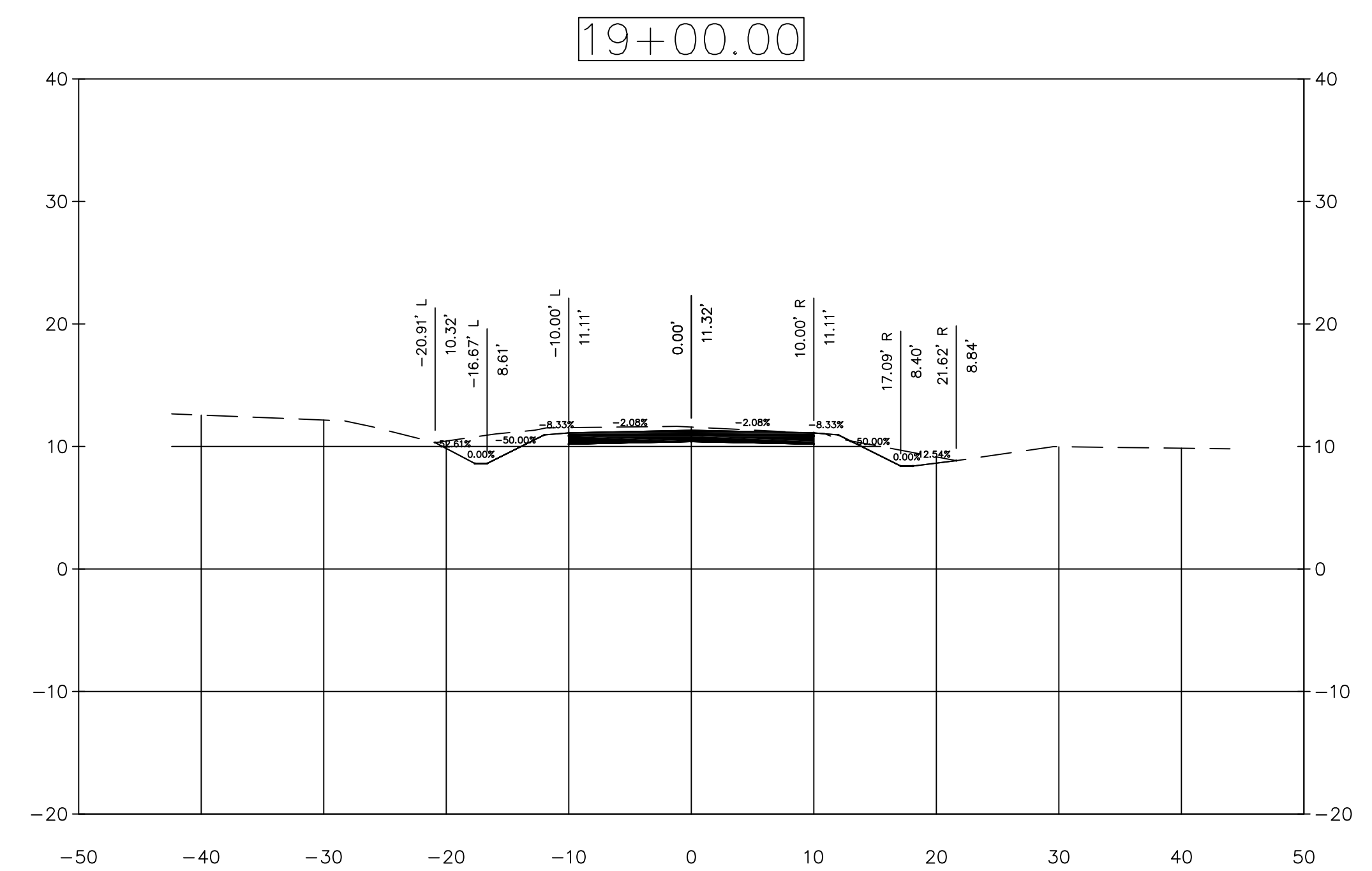
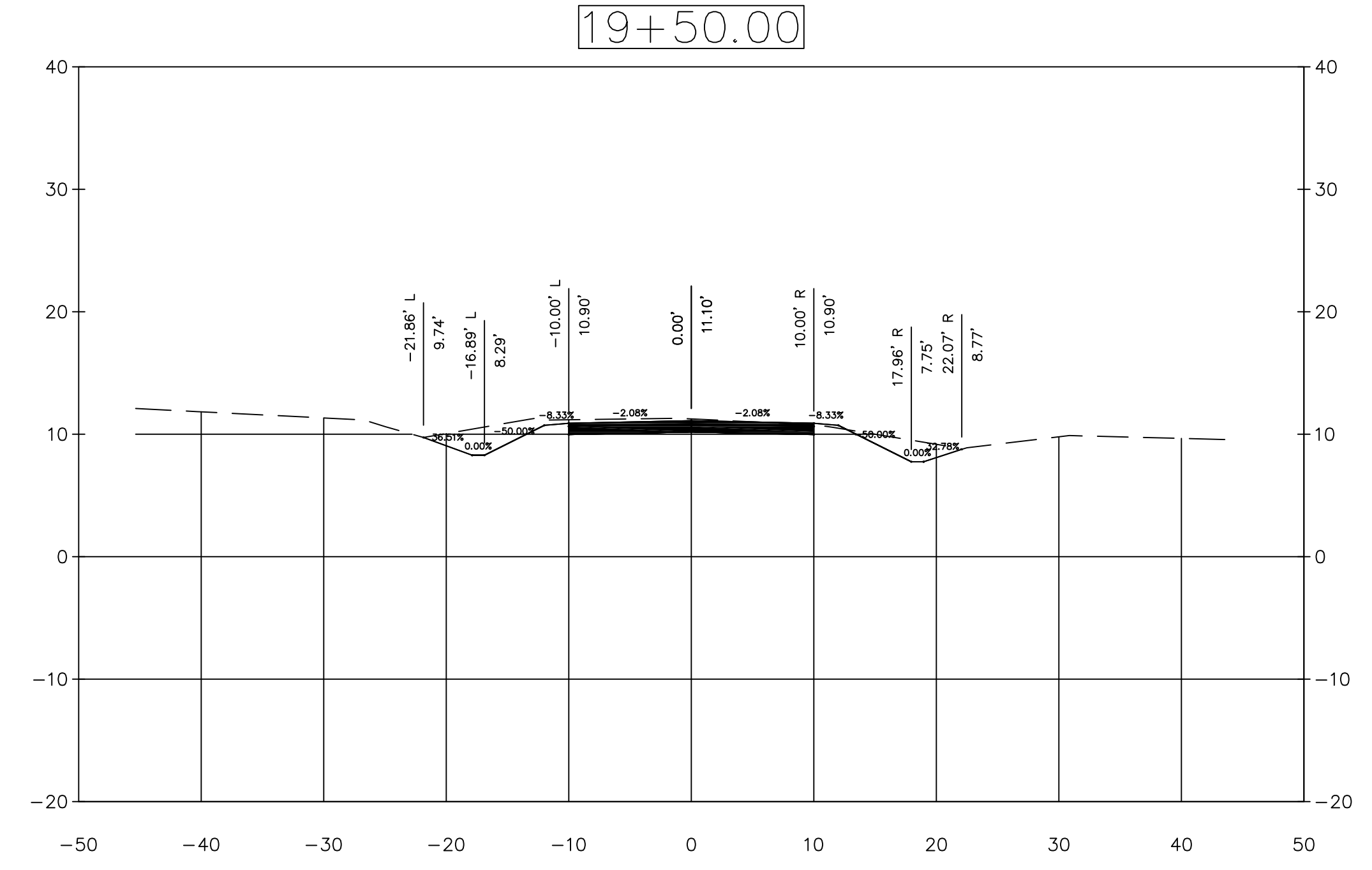
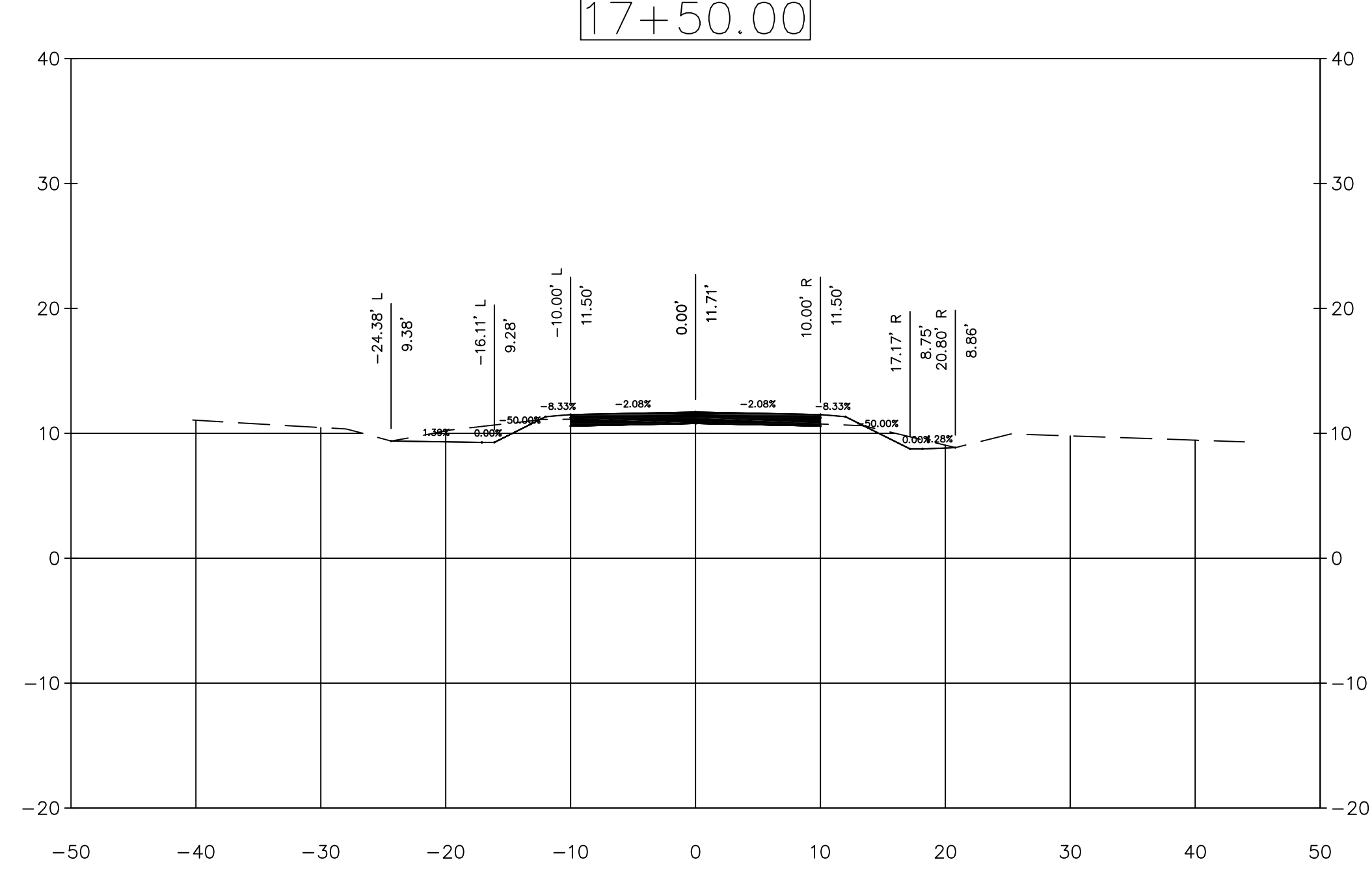
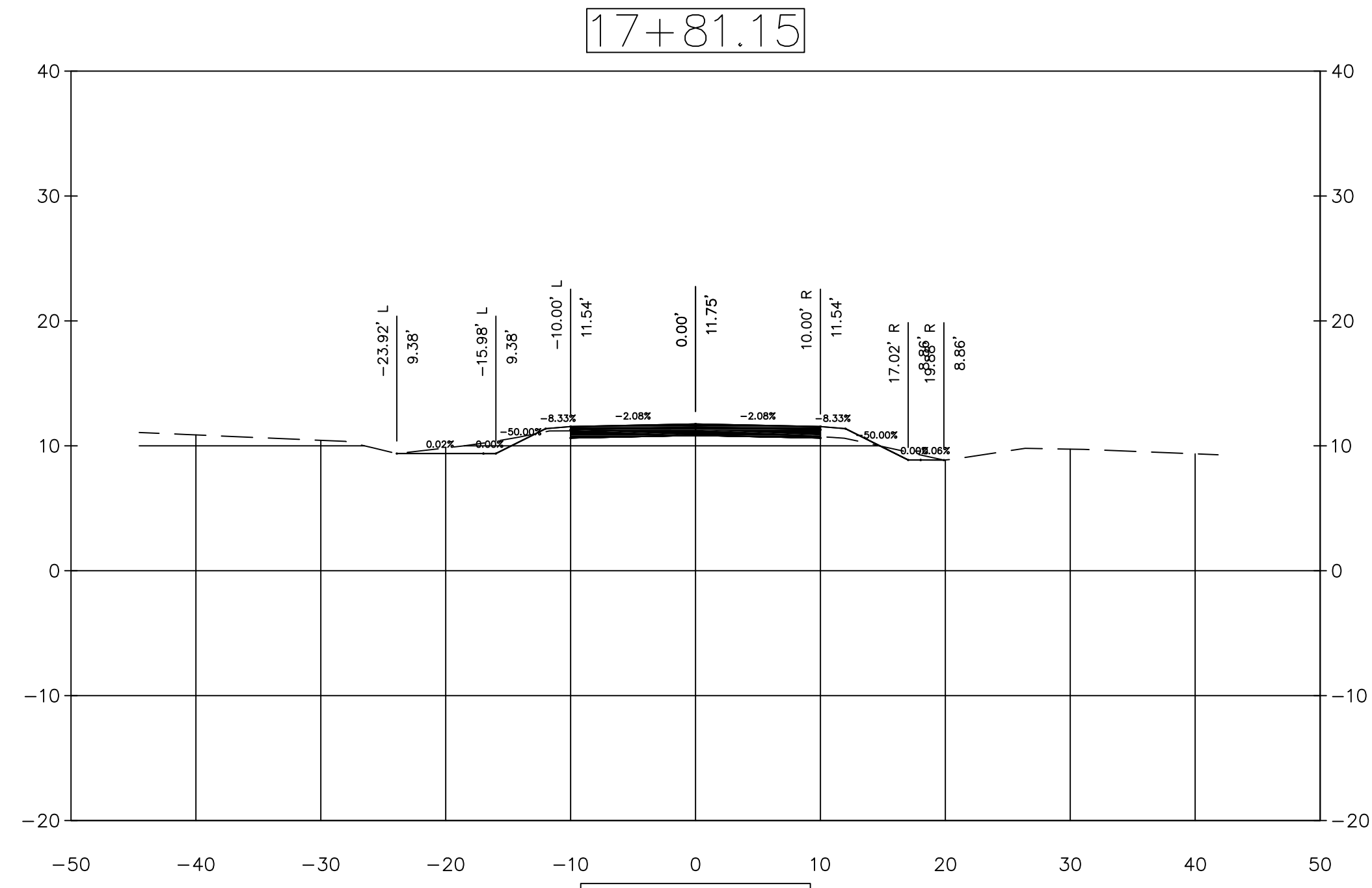
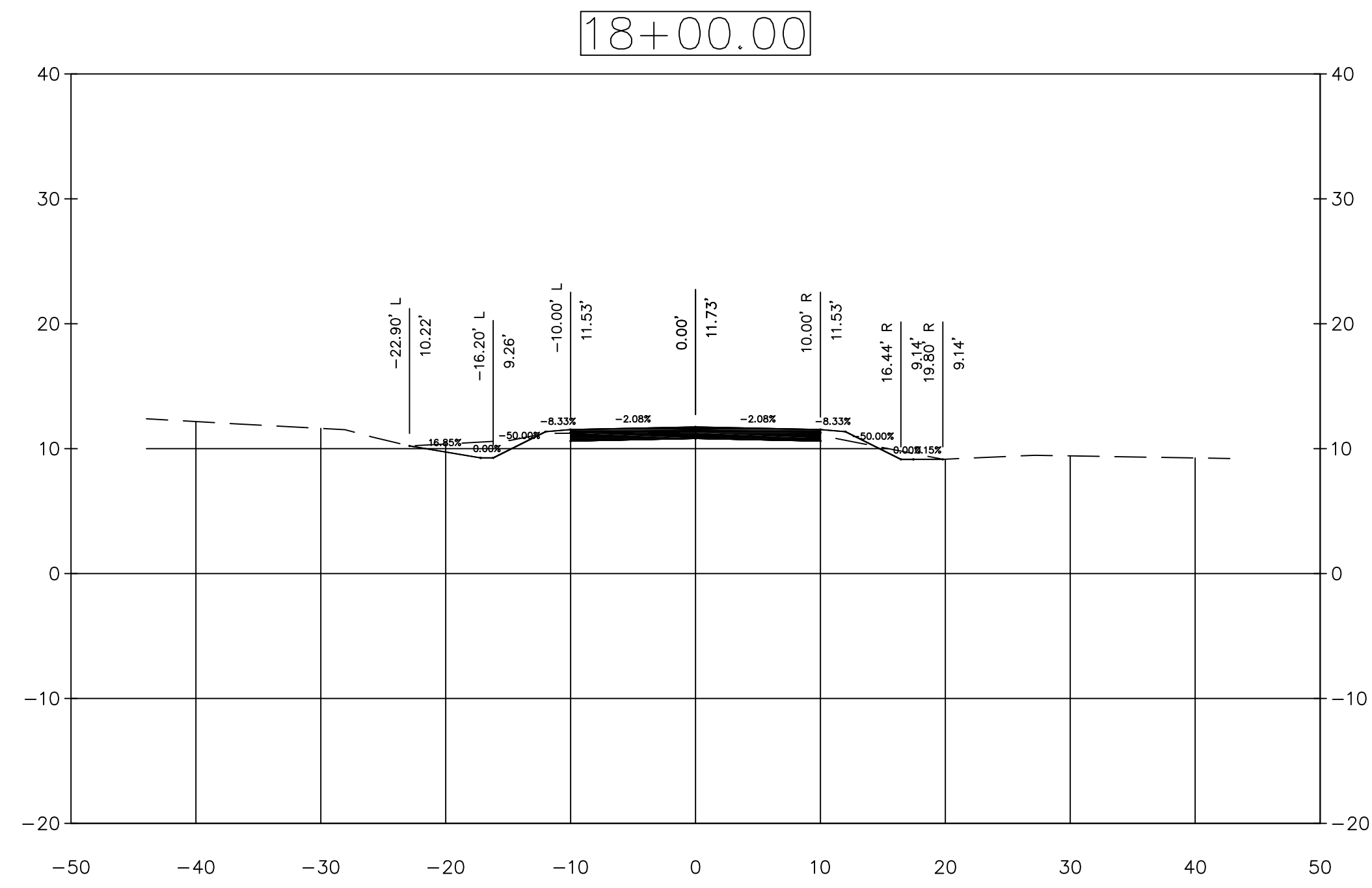


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

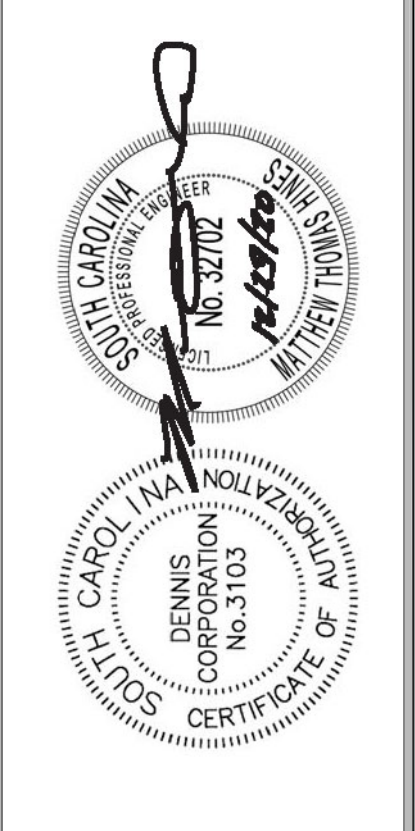
CROSS SECTIONS
BELLADONNA
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
GEORGETOWN COUNTY SOUTH CAROLINA
JUNE 2020

Project
G0004.32
Scale
1" = 10'
Sheet
C-316



Revision	Date	Description

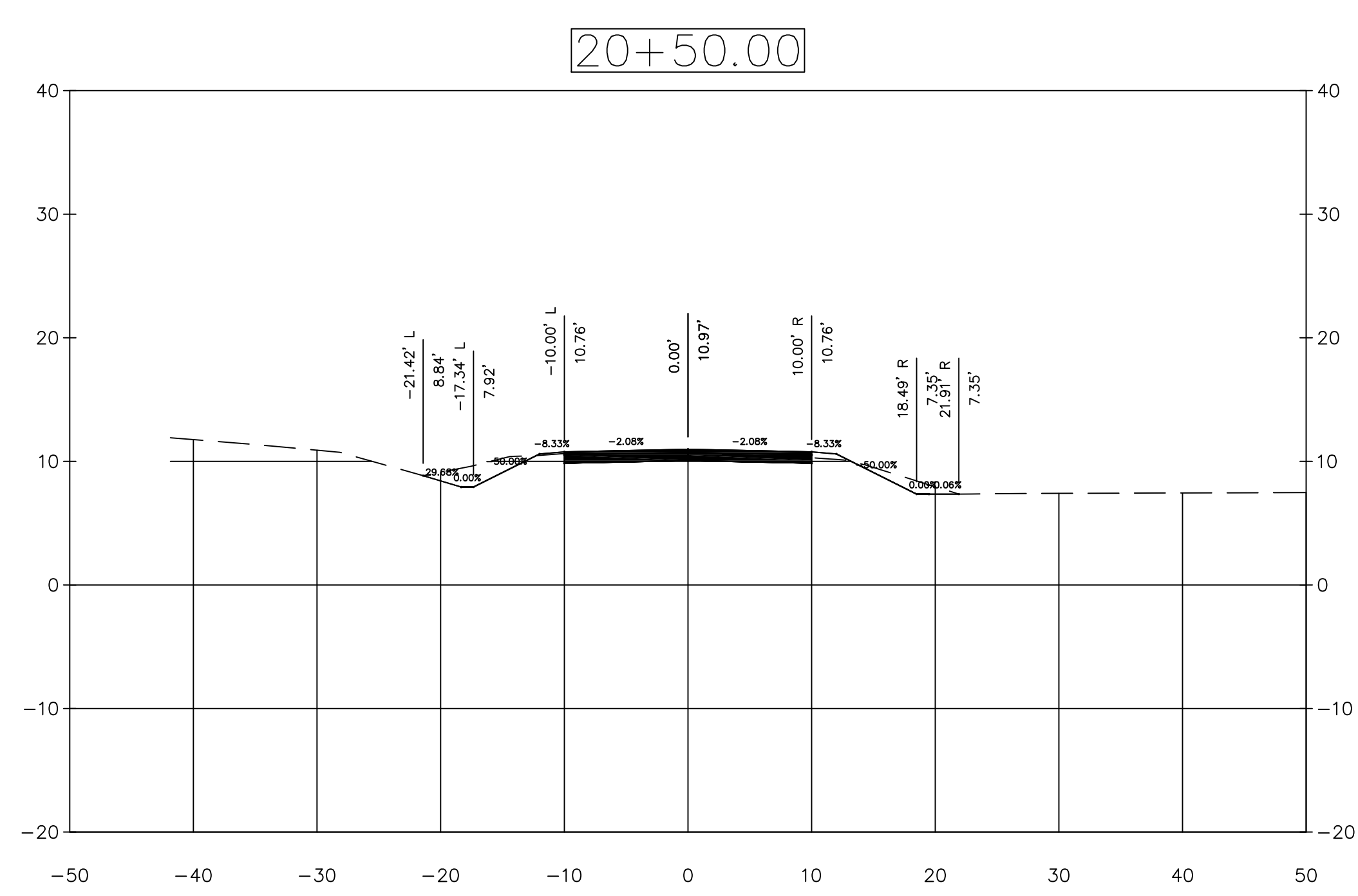
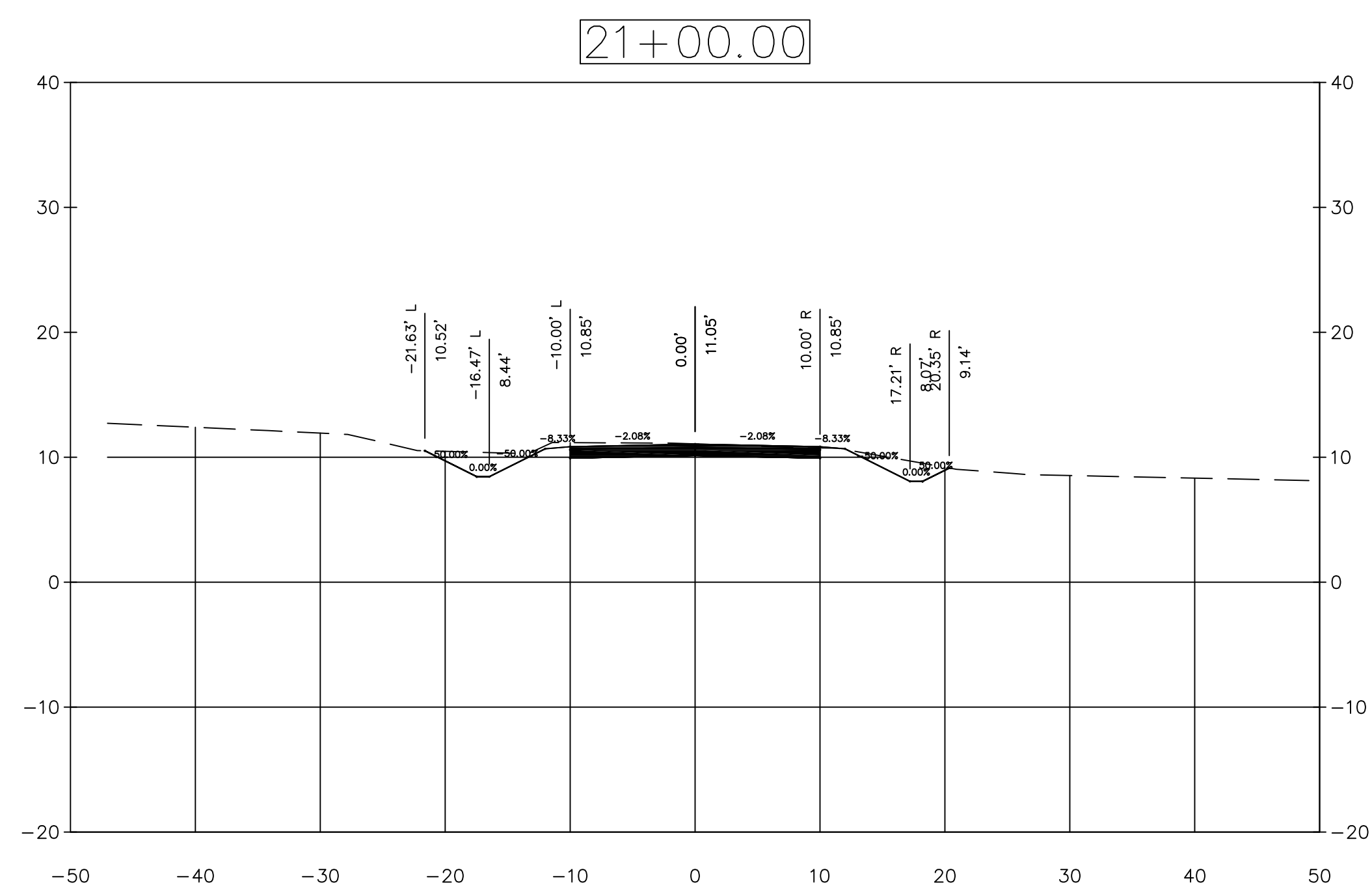
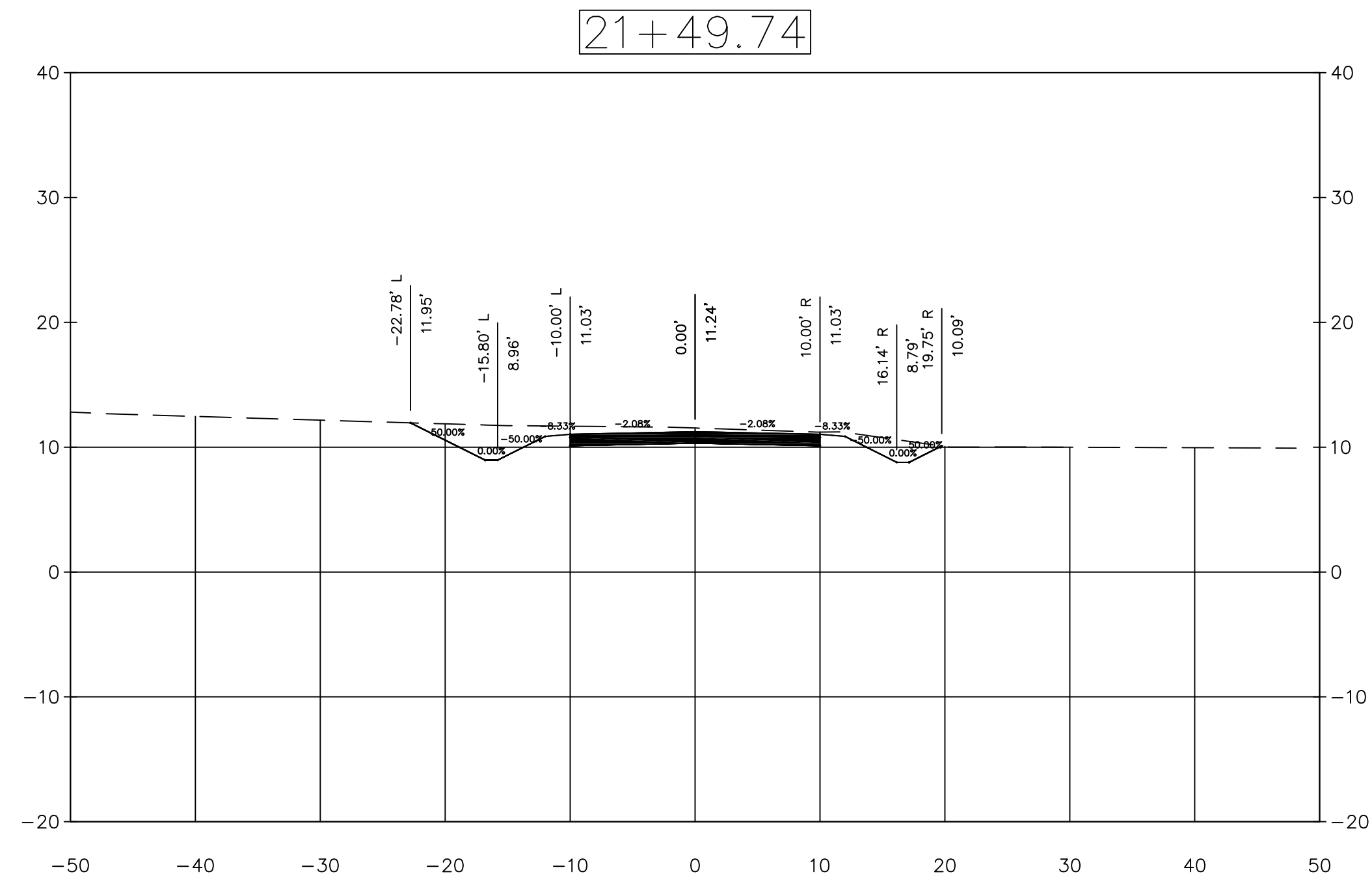
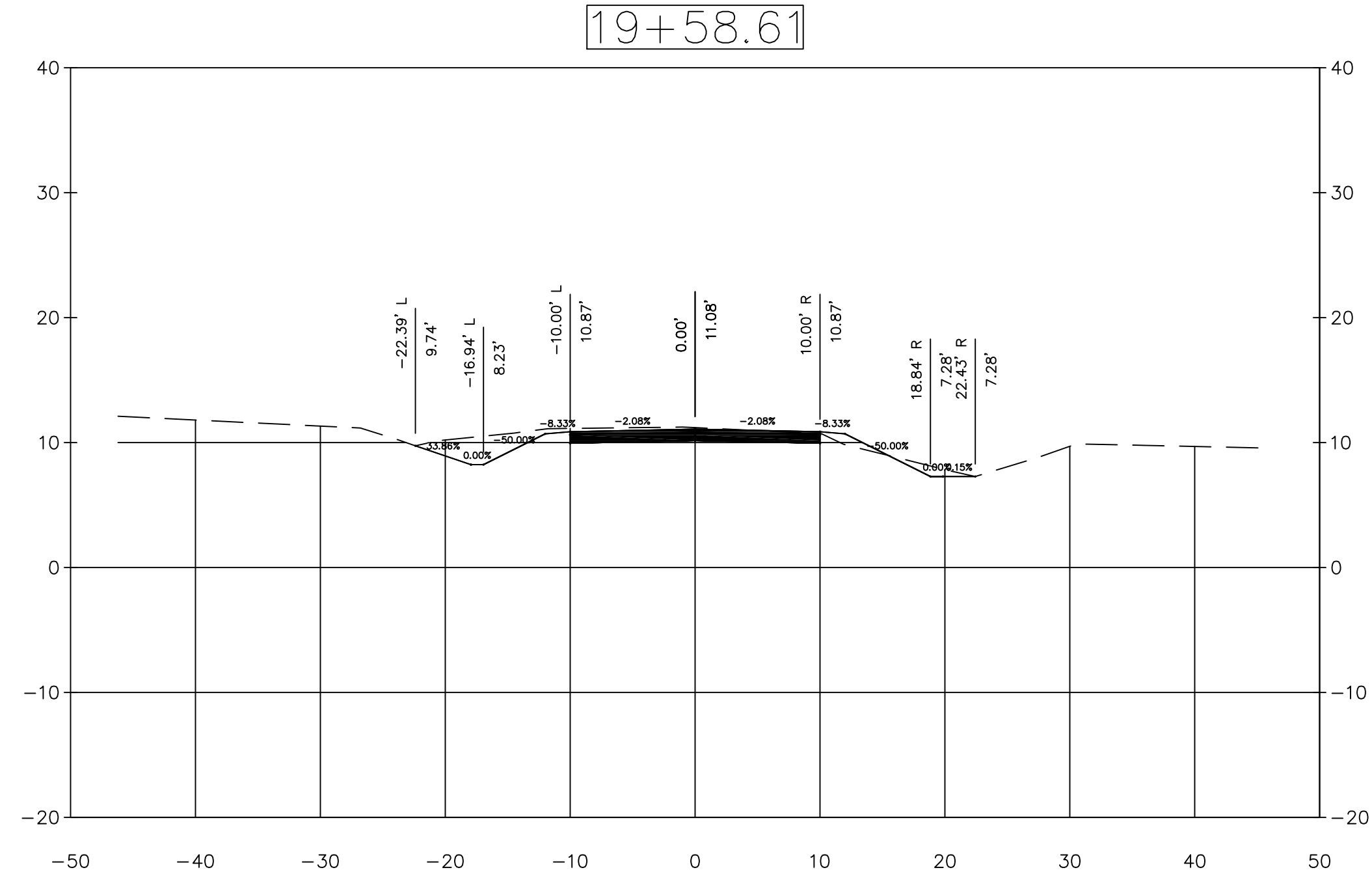
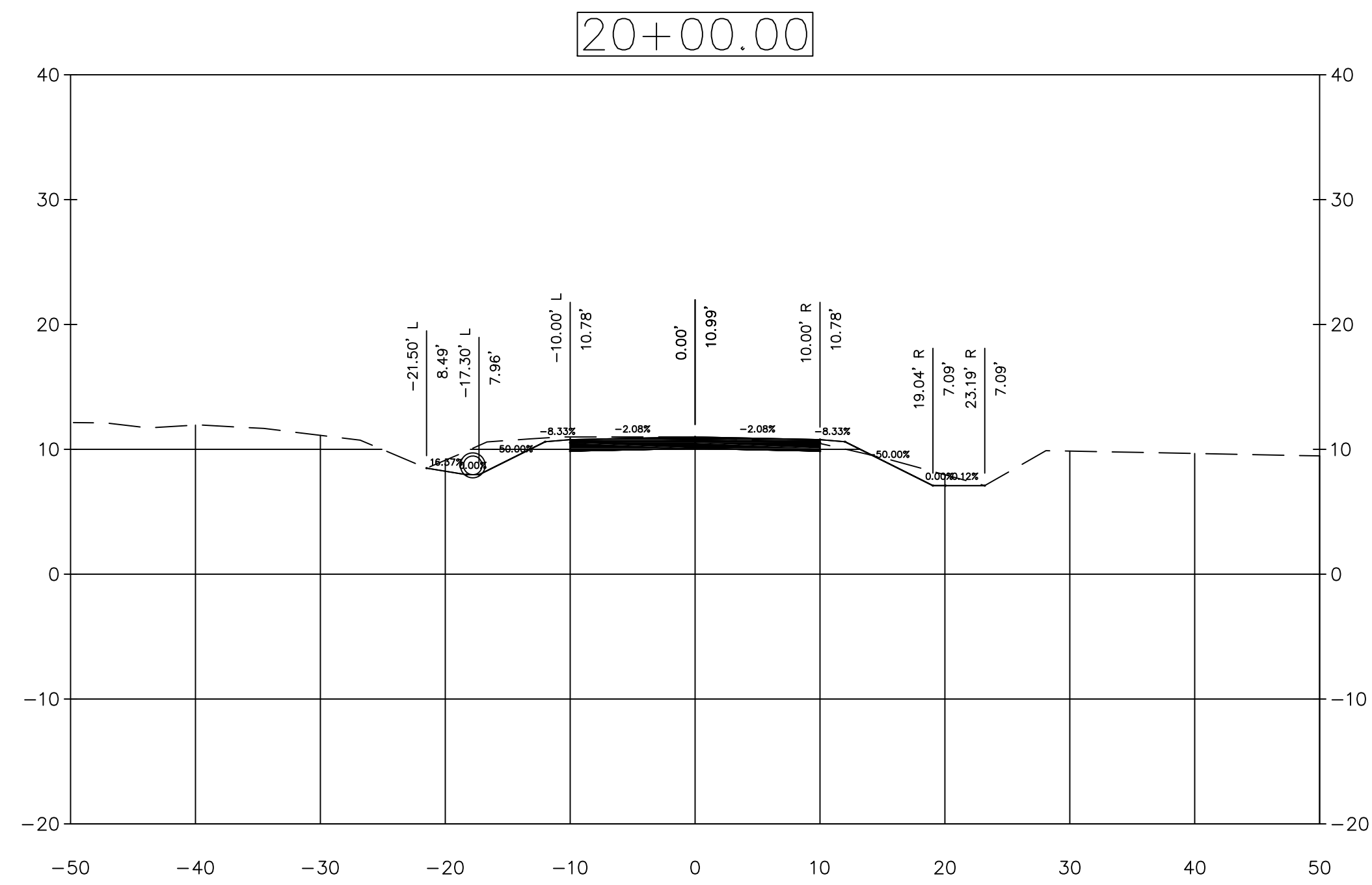
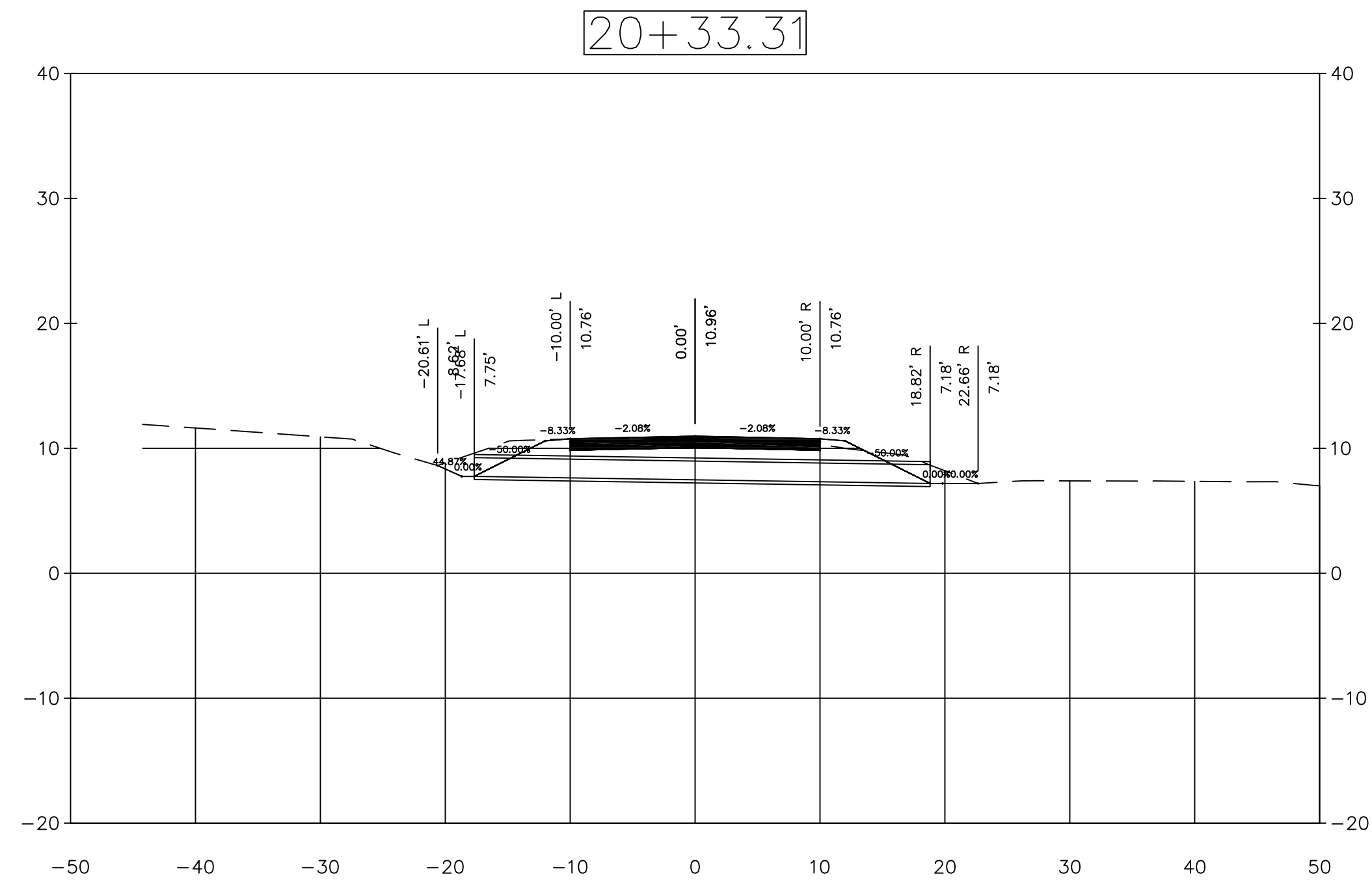


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

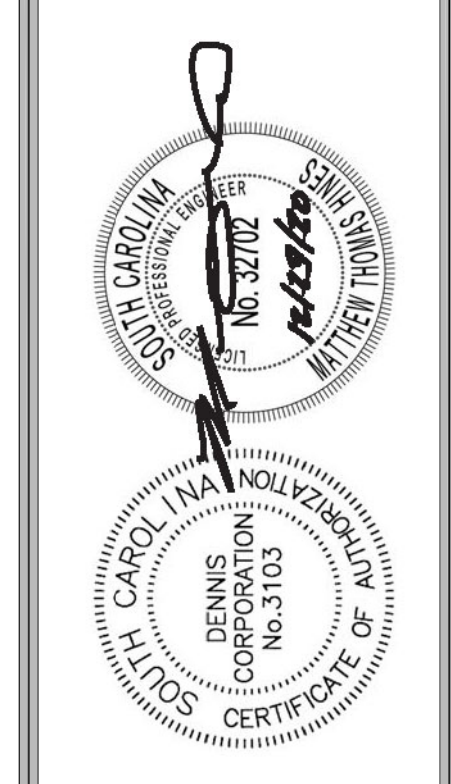
CROSS SECTIONS
BELLADONNA
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
JUNE 2020 GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.32
Scale
1" = 10'
Sheet
C-317



Revision	Date	Description

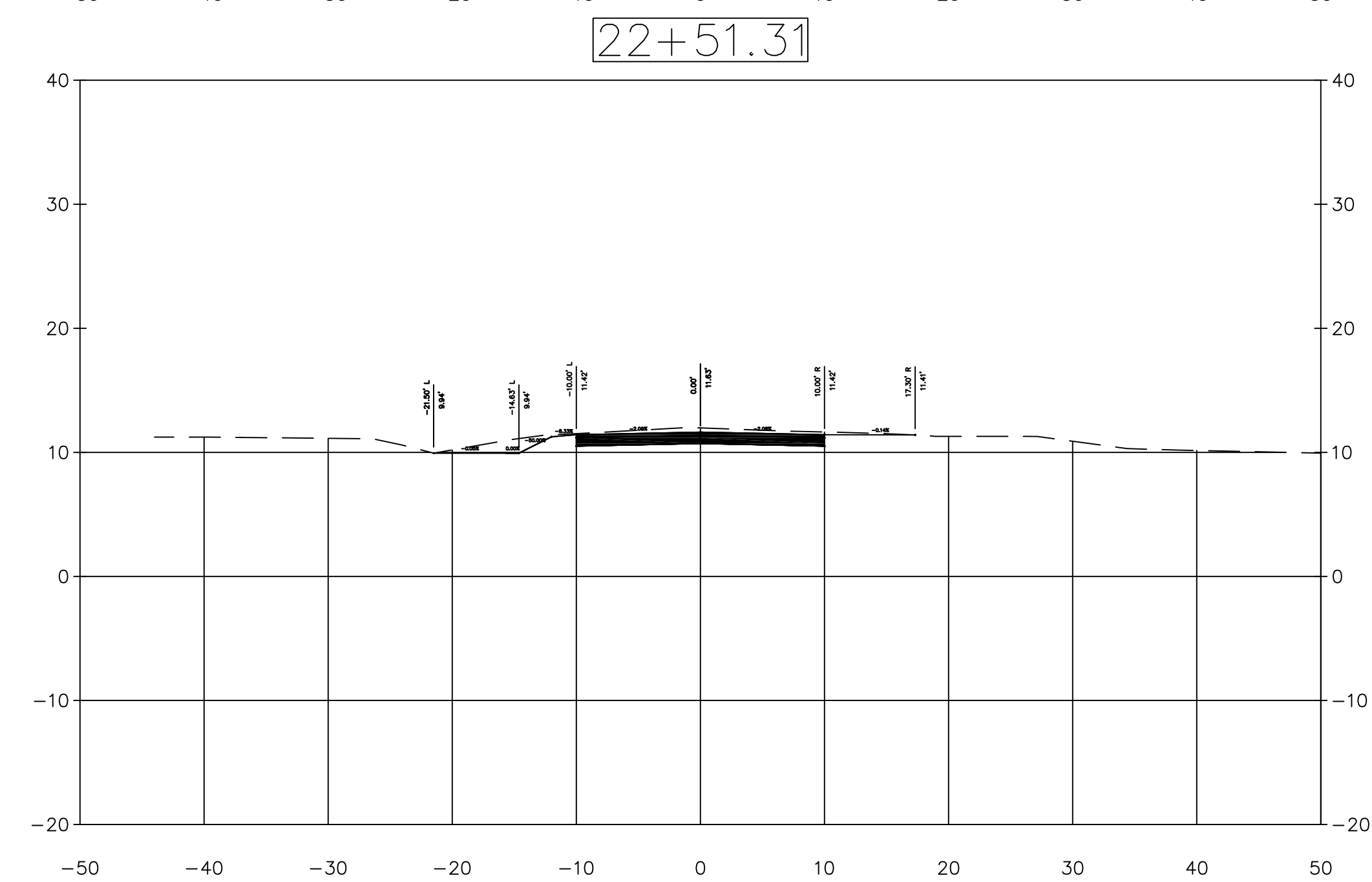
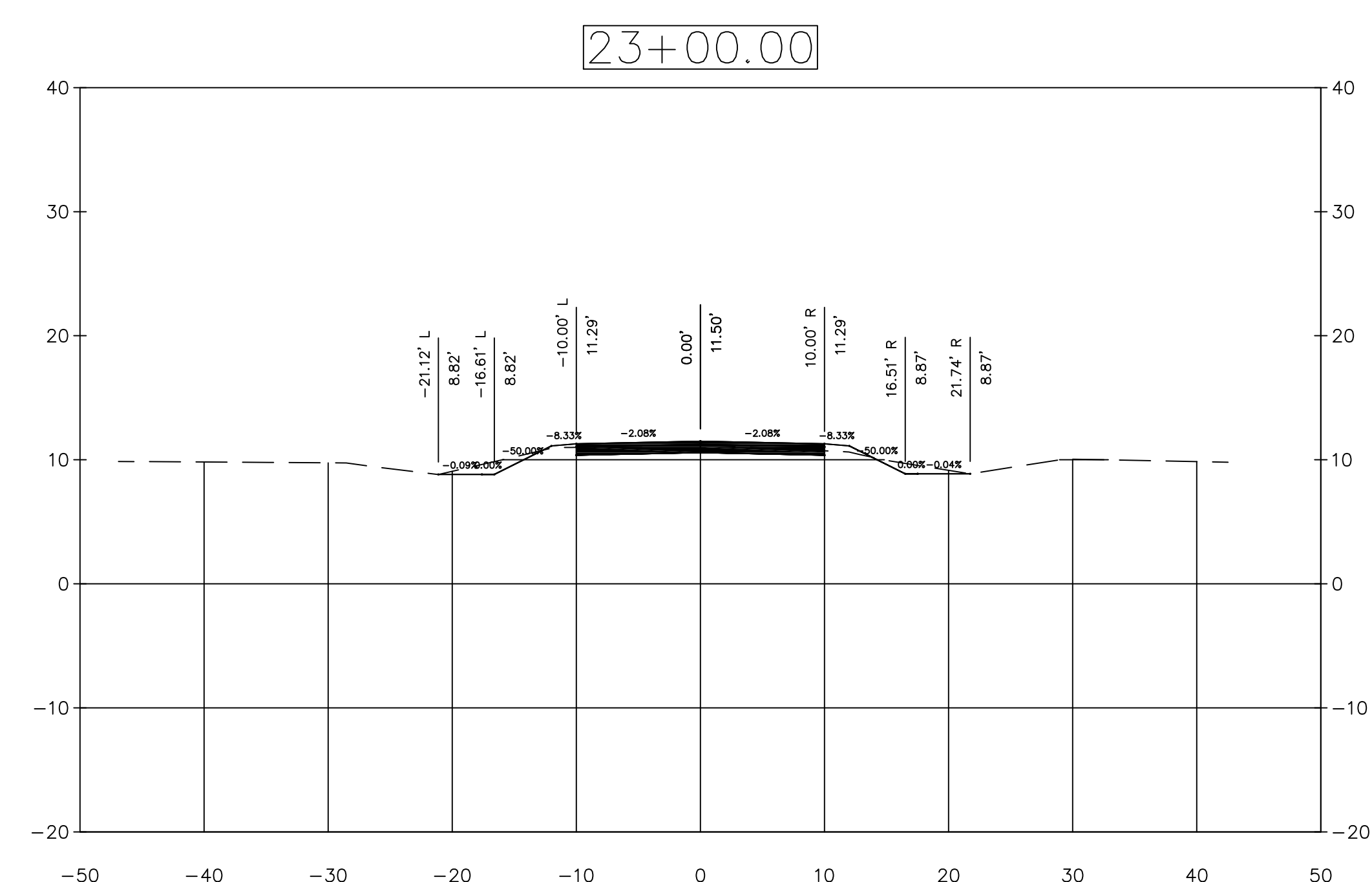
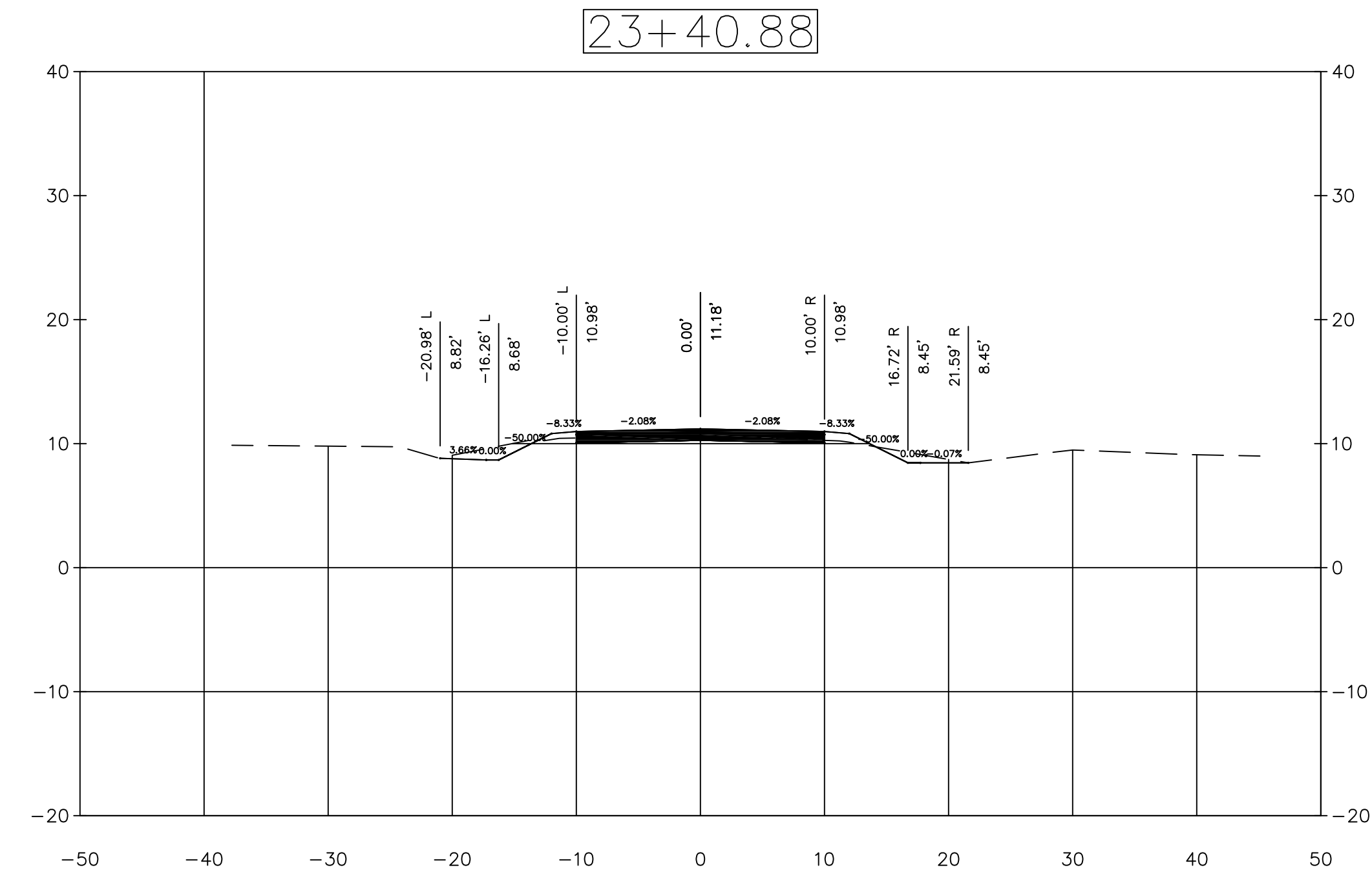
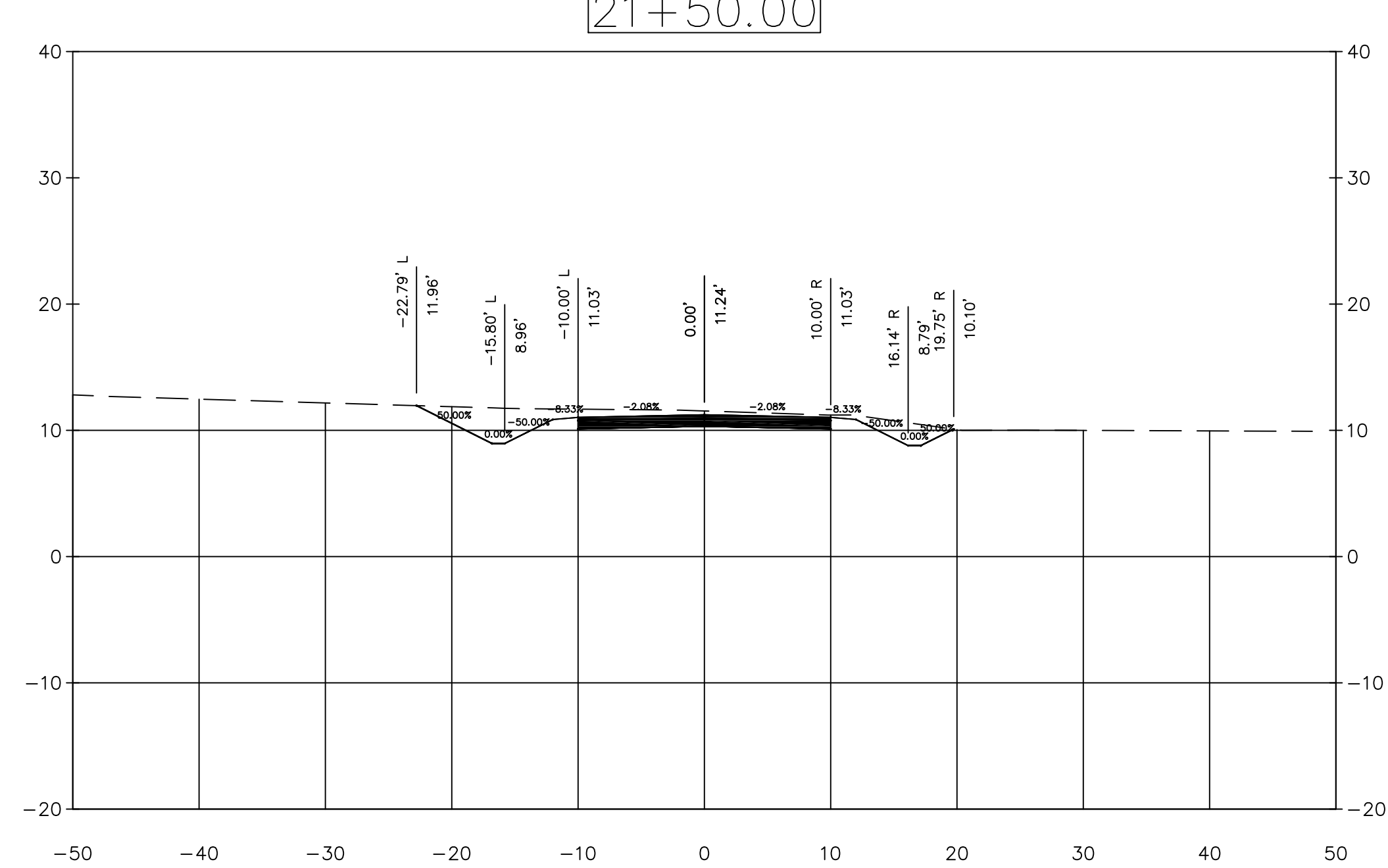
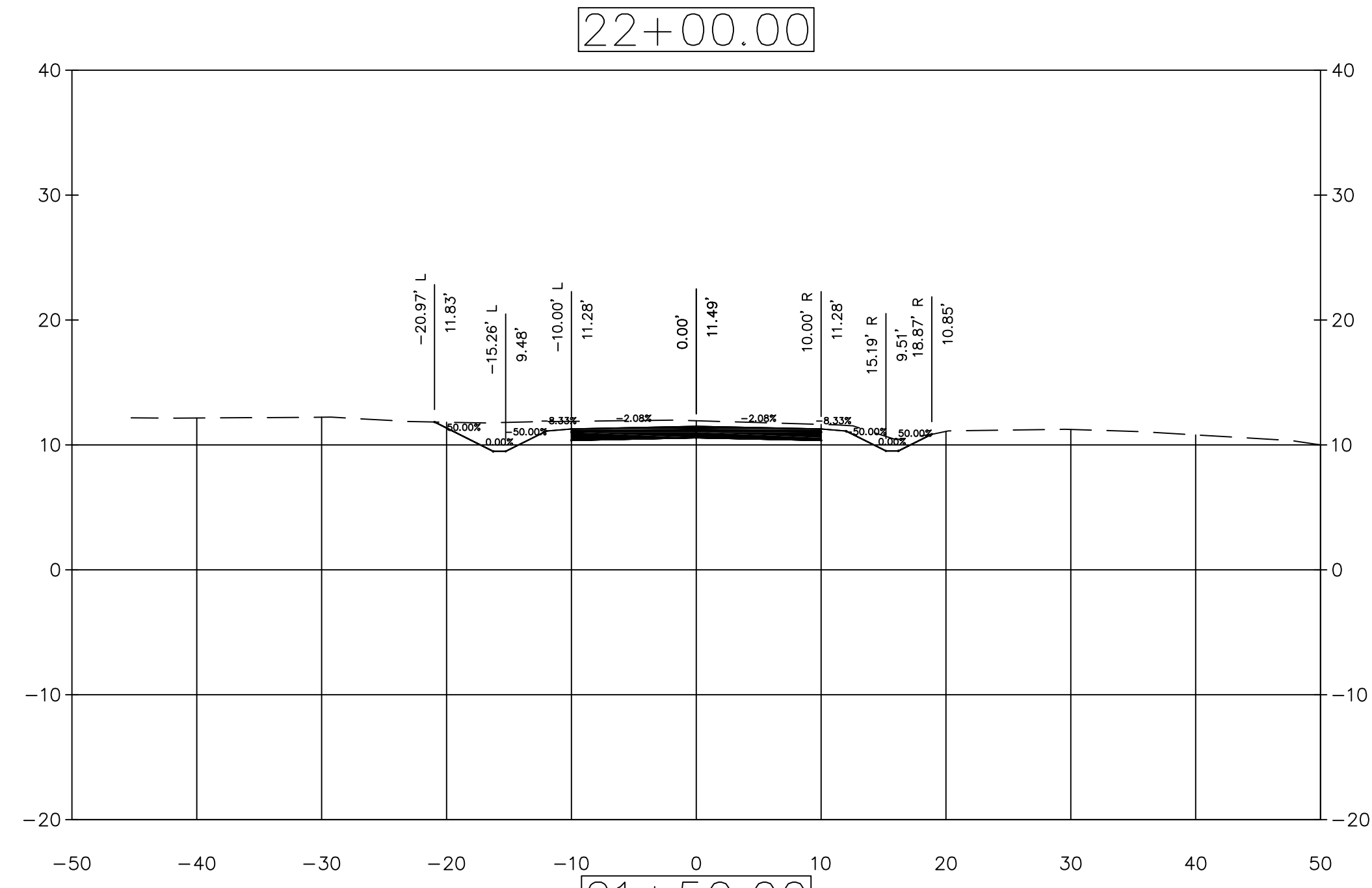
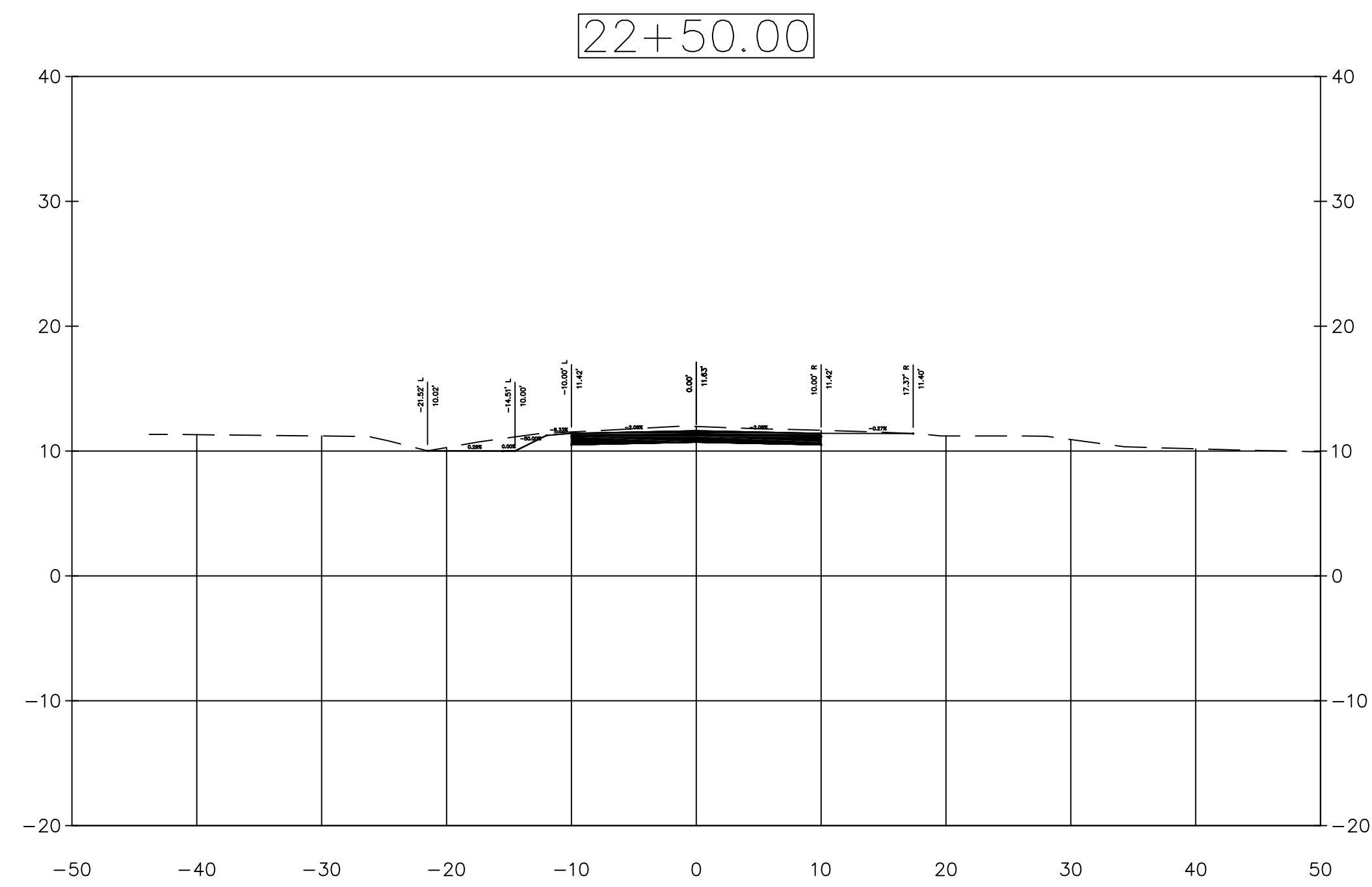


Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

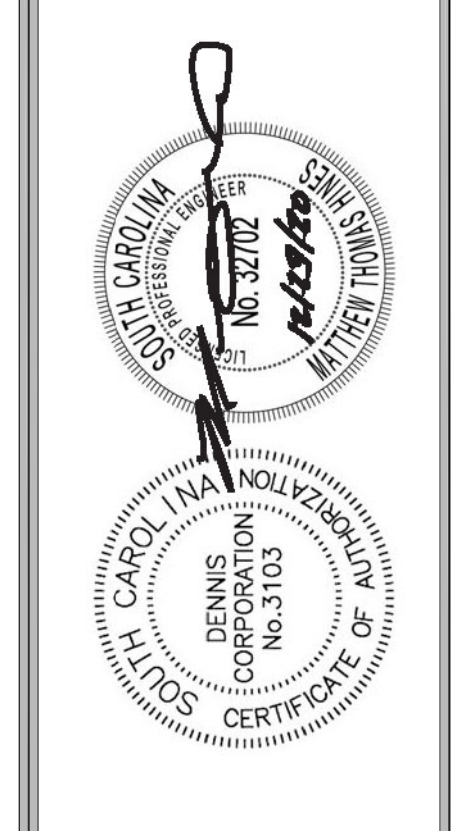
CROSS SECTIONS
BELLADONNA
DENNIS
CORPORATION

CORNER LOOP AND
BELLADONNA
for
GEORGETOWN COUNTY
JUNE 2020 GEORGETOWN COUNTY SOUTH CAROLINA

Project
G0004.32
Scale
1" = 10'
Sheet
C-318



Revision	Date	Description

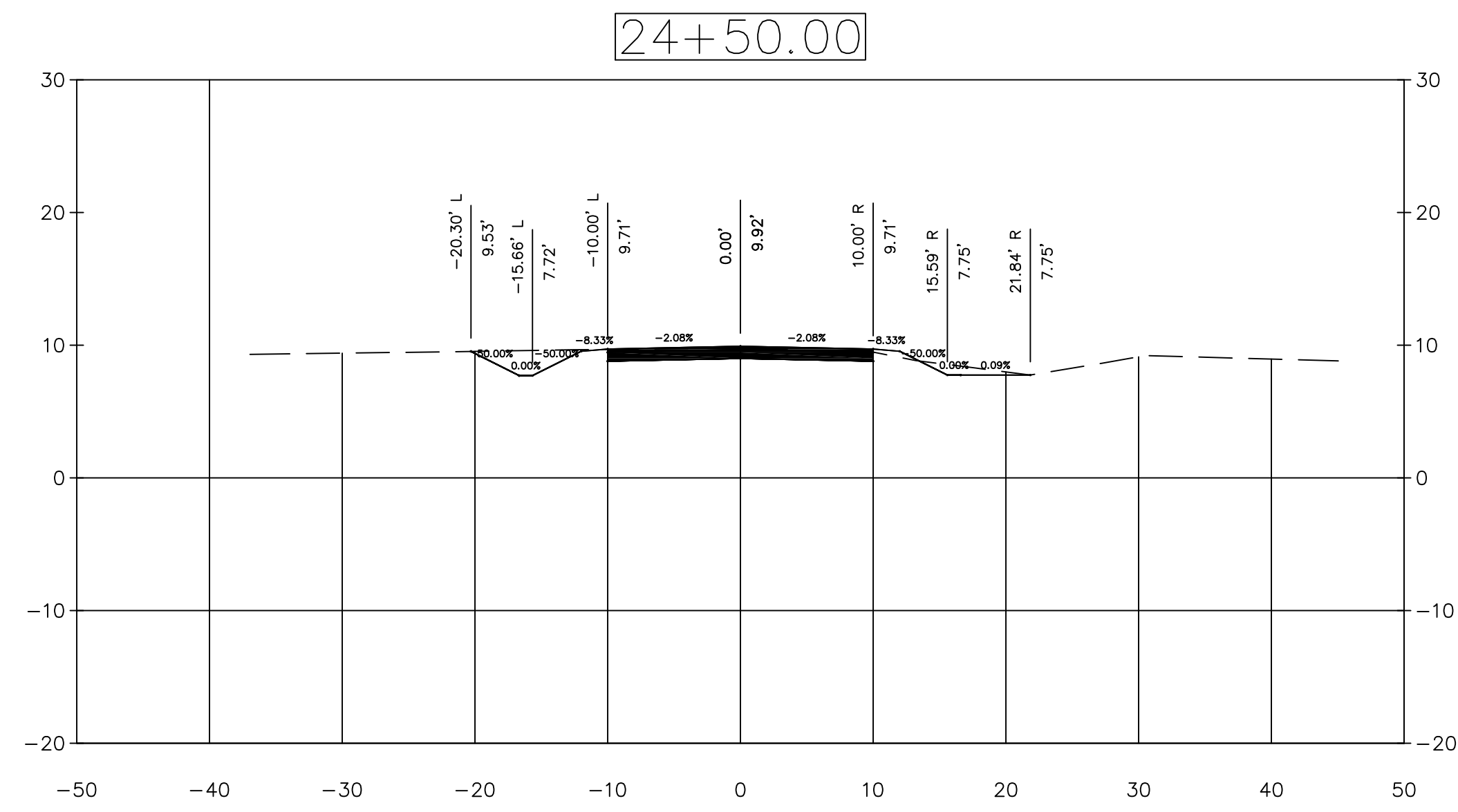
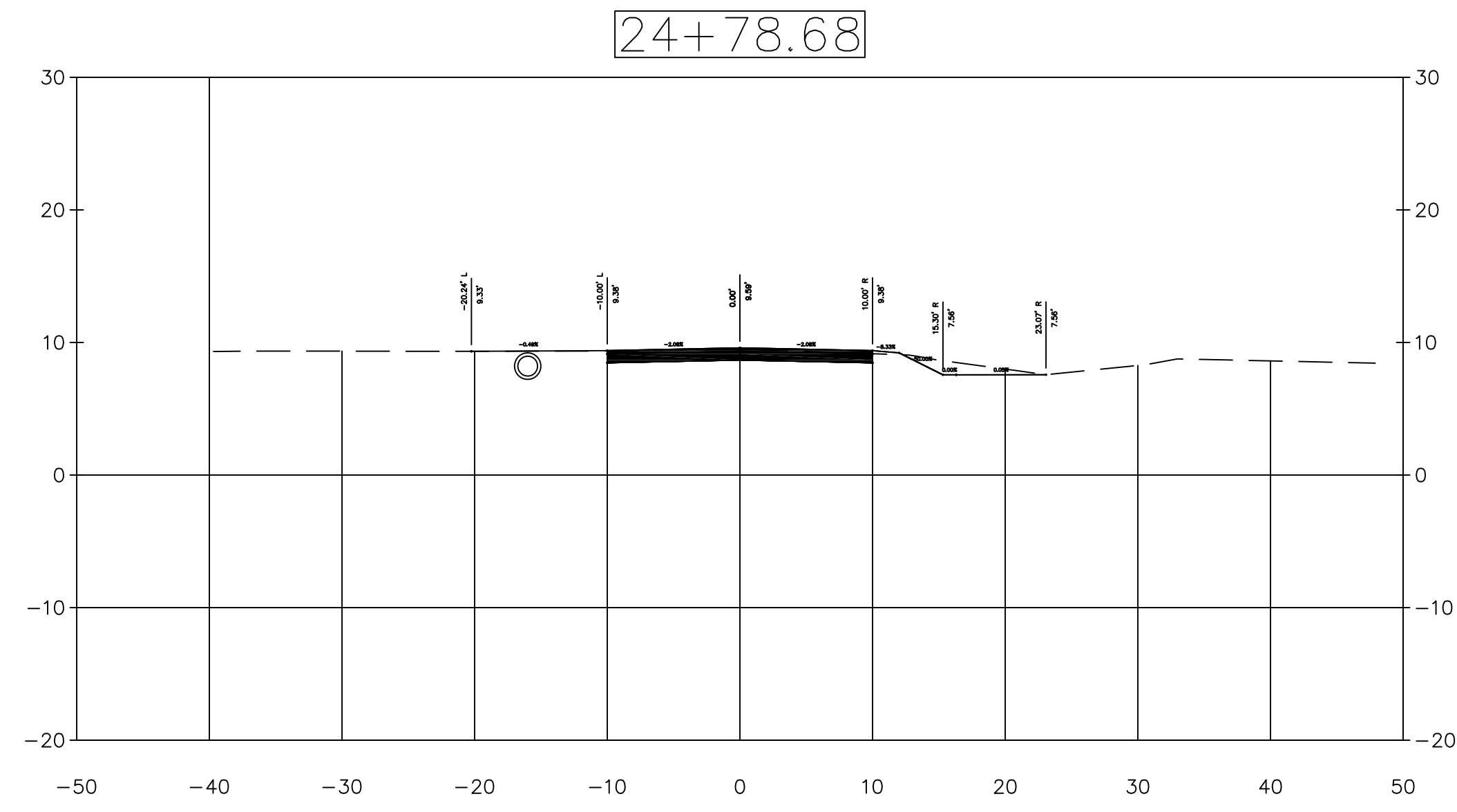
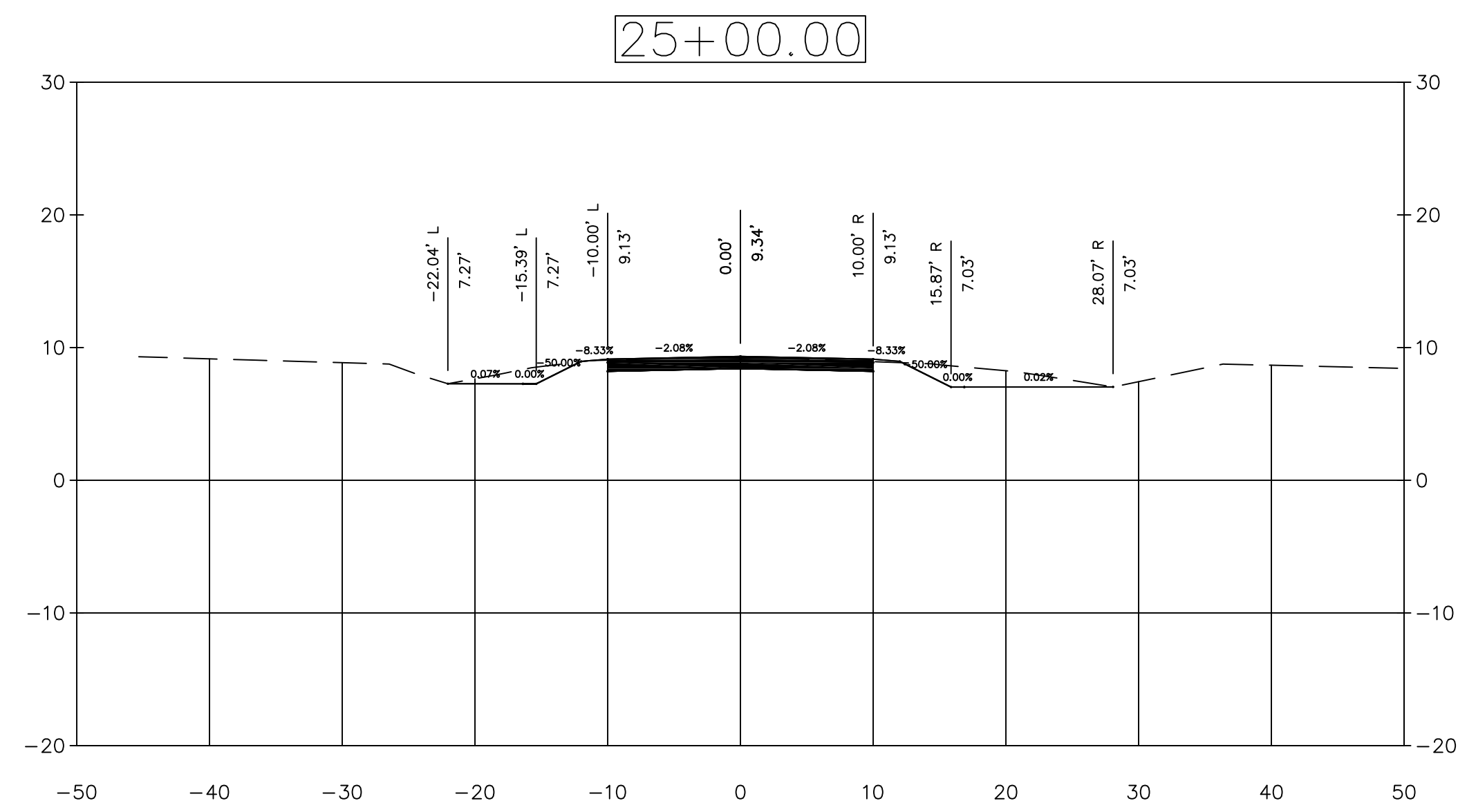
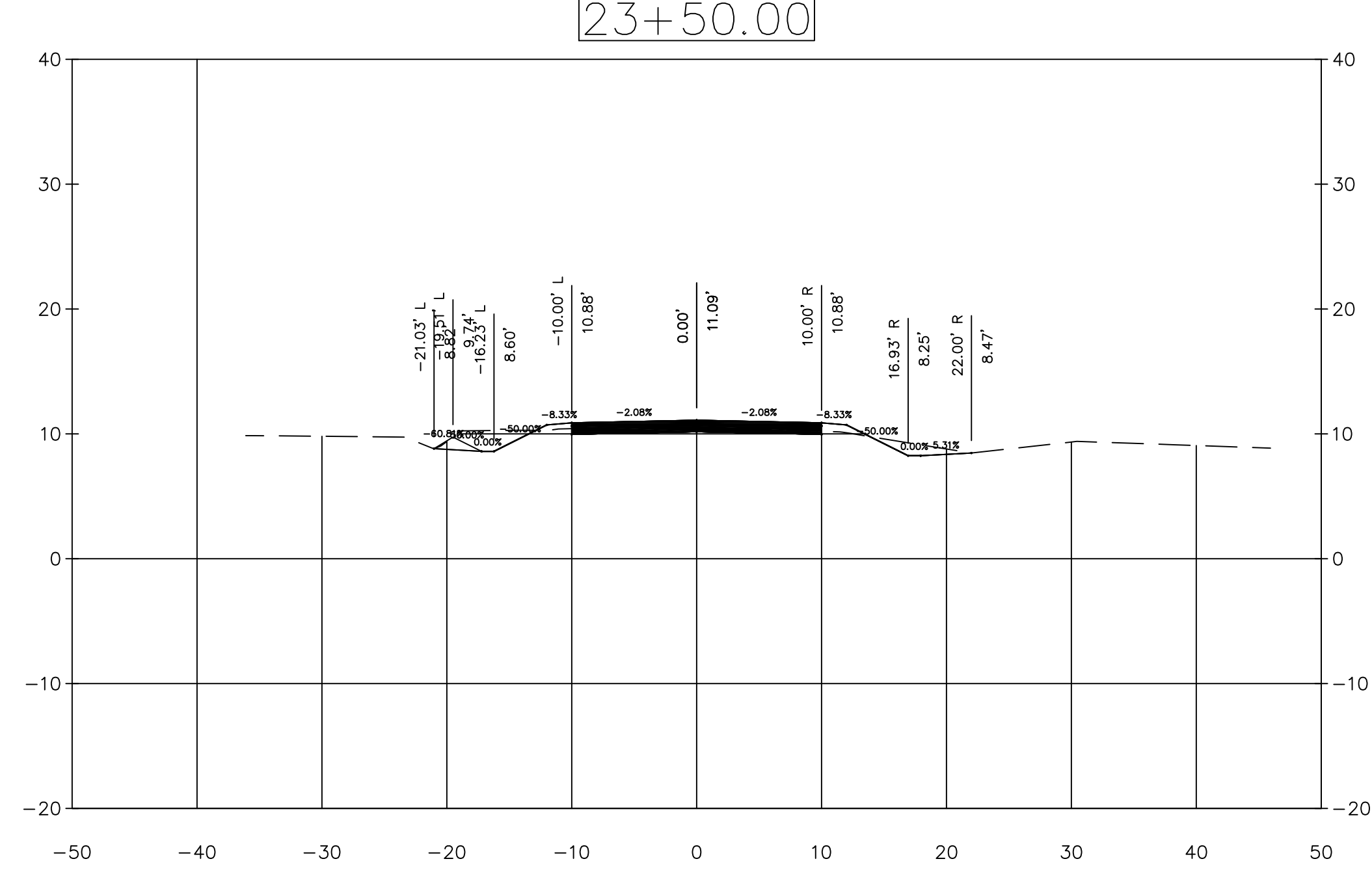
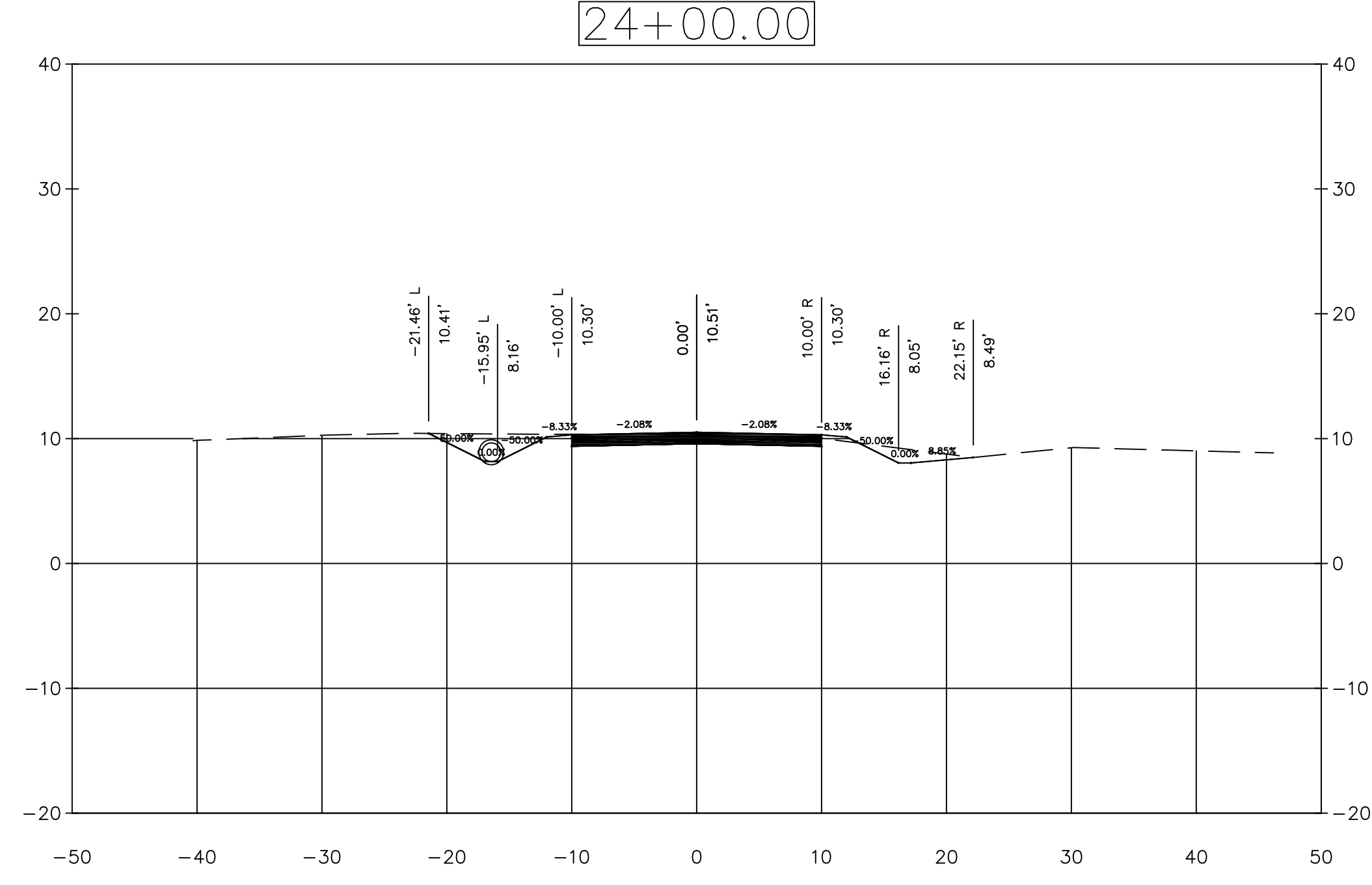
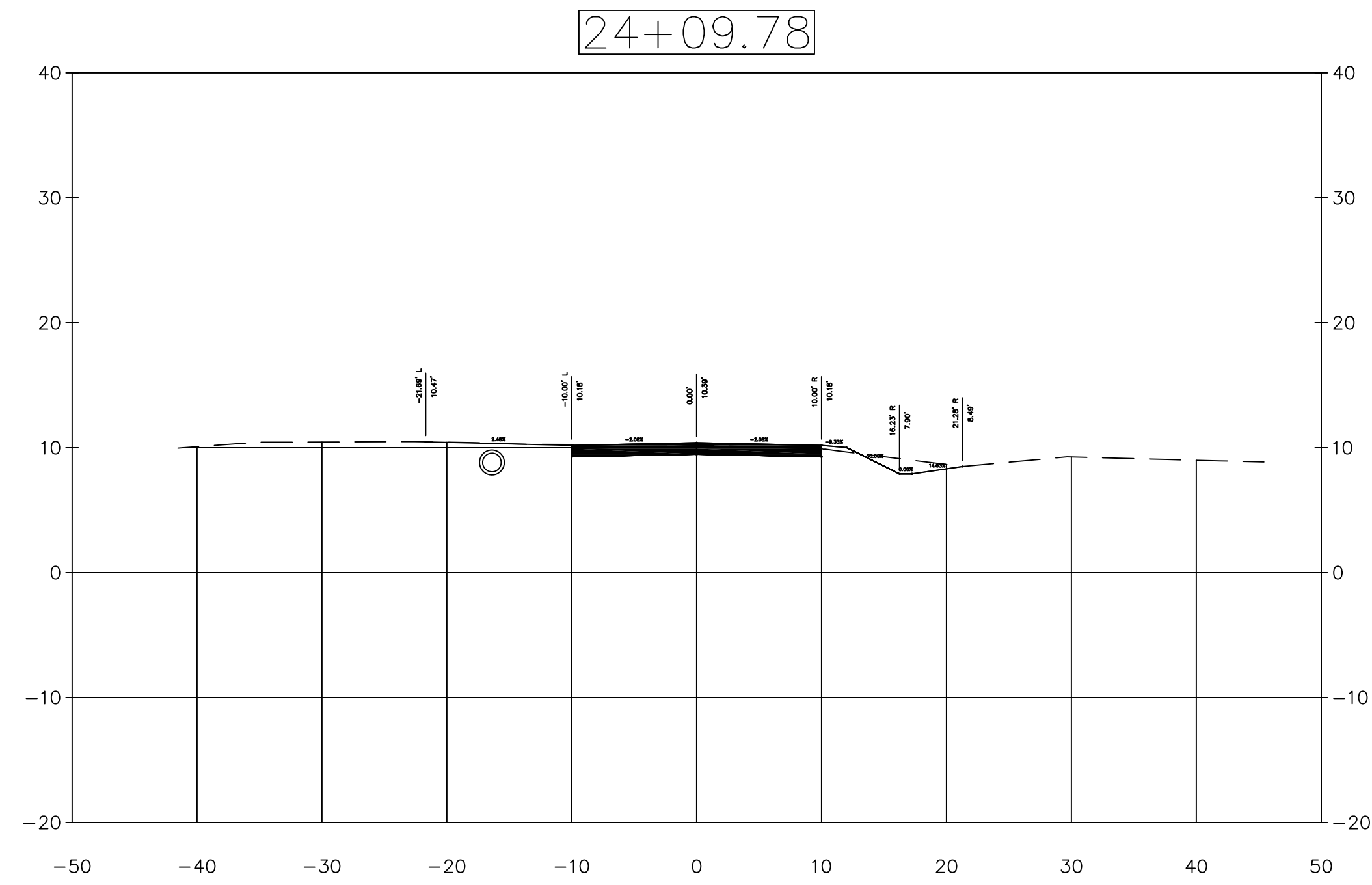


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

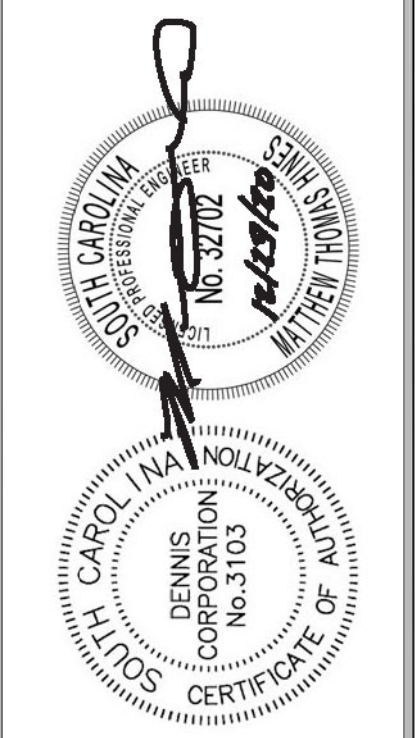
CROSS SECTIONS
 BELLADONNA
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project: G0004.32
 Scale: 1" = 10'
 Sheet: C-319



Revision	Date	Description

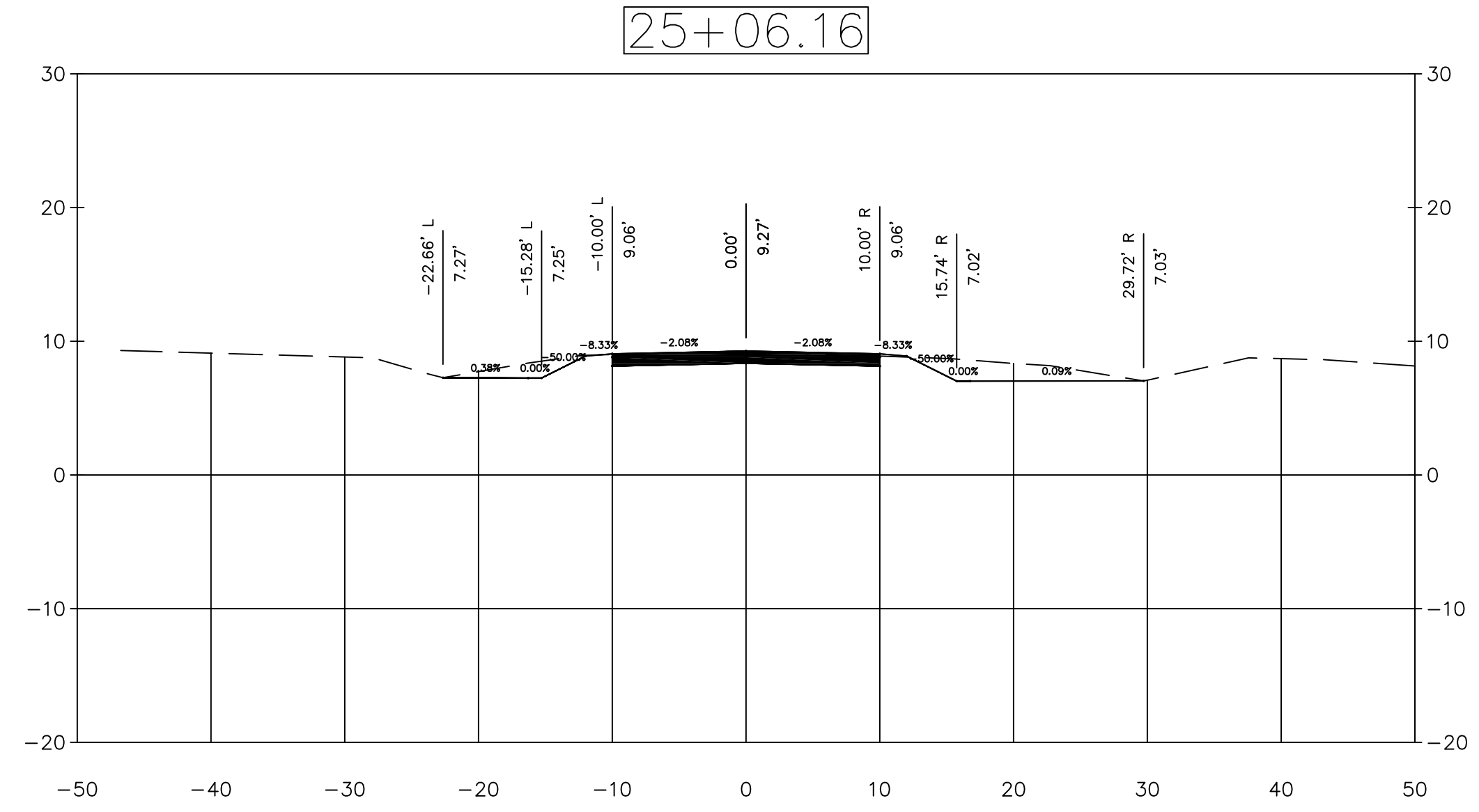


Engineer: M. Hines
 Drawn By: S. Pollard
 Checked By: M. Hines

CROSS SECTIONS
 BELLADONNA
DENNIS
 CORPORATION

CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project: G0004.32
 Scale: 1" = 10'
 Sheet: C-320

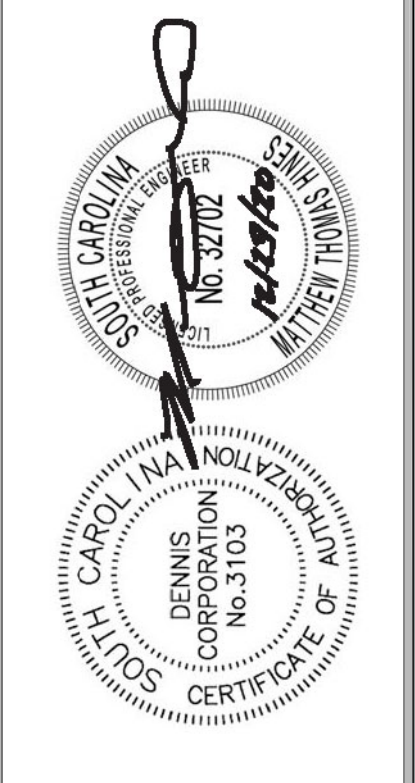


CORNER LOOP AND
 BELLADONNA
 for
 GEORGETOWN COUNTY

GEORGETOWN COUNTY | SOUTH CAROLINA

CROSS SECTIONS
 BELLADONNA
DENNIS
 CORPORATION

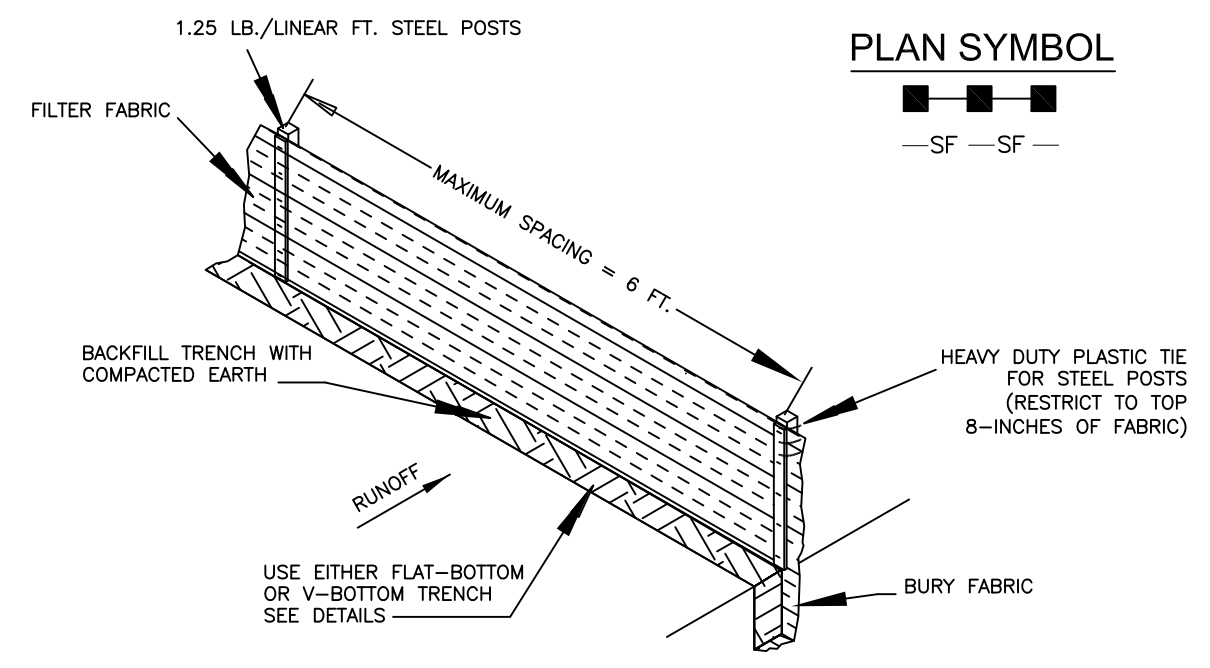
Engineer
 M. Hines
 Drawn By
 S. Pollard
 Checked By
 M. Hines



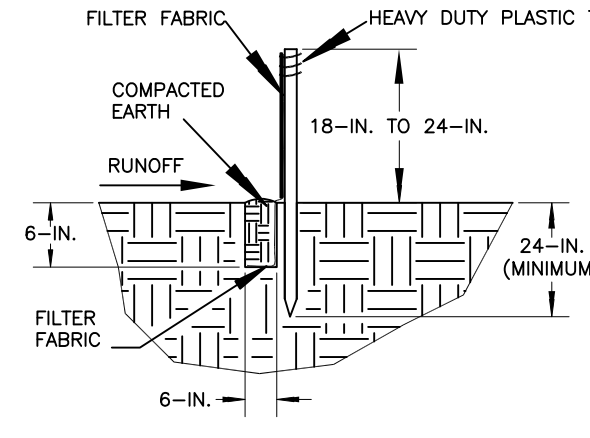
Revision	Date	Description

Project
 G0004.32
 Scale
 1" = 10'
 Sheet
 C-321

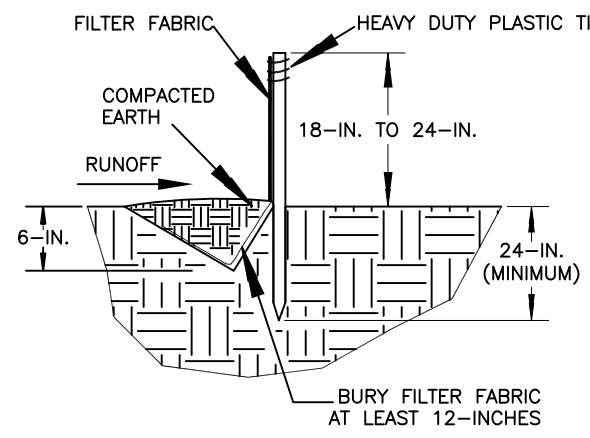
SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL



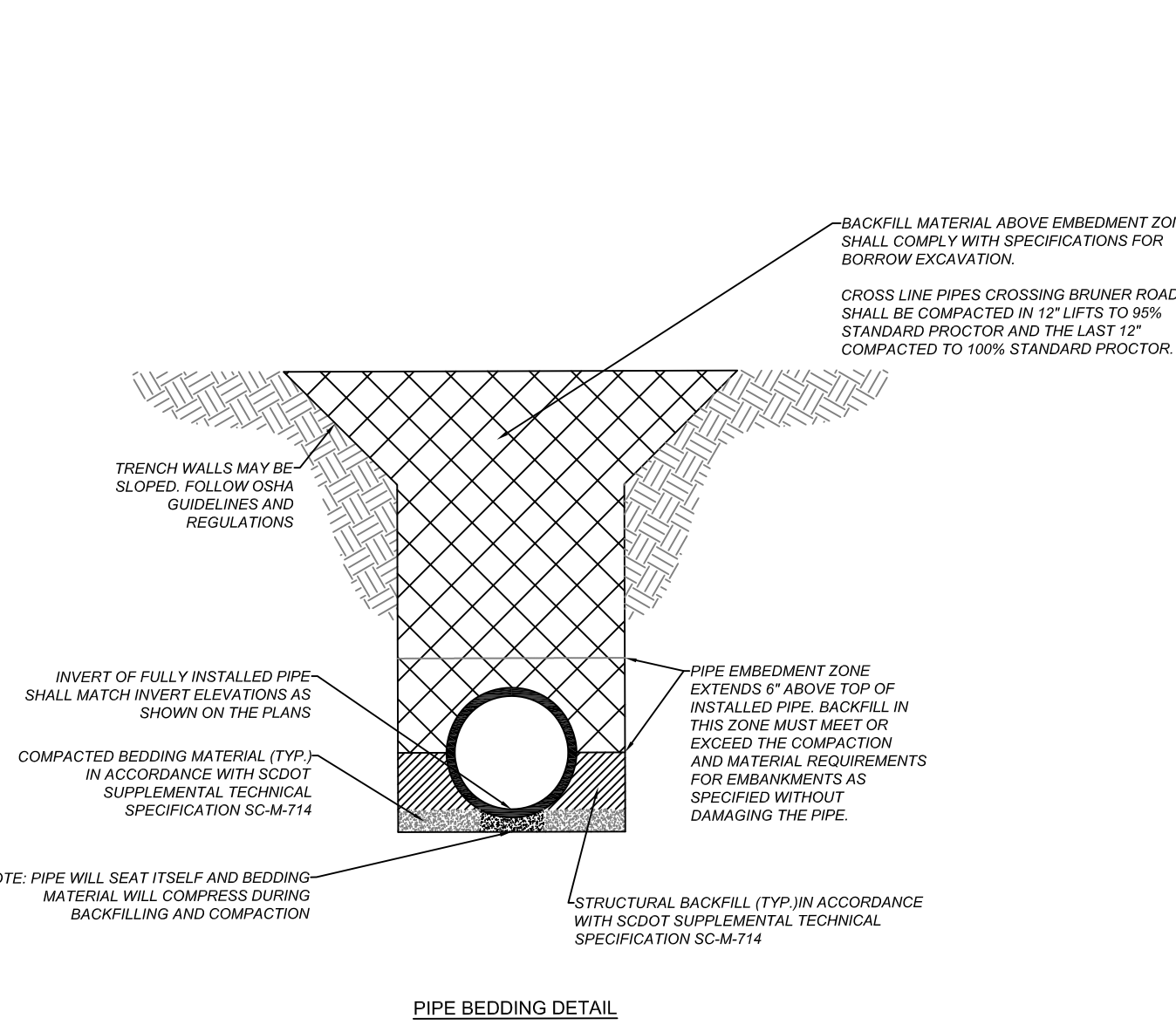
V-SHAPED TRENCH DETAIL



- SILT FENCE - GENERAL NOTES**
- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
 - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
 - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
 - Silt fence joints, when necessary, shall be completed by one of the following options:
 - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
 - Overlap silt fence by installing 3-feet between the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
 - Overlap entire width of each silt fence roll from one support post to the next support post.
 - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
 - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
 - Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

SEDIMENT & EROSION CONTROL NOTES:

- AS NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. TEMPORARY SOIL EROSION CONTROL MEASURES SHOULD BE INSTALLED DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- 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.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INSTALLED INAPPROPRIATELY OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE INSTALLATION OF UTILITIES. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE REQUIRED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- 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.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- 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.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND MANUAL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM Dewatering of TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- 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 RELINING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS
 - FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT MAINTENANCE
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRECONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. FOR NON-RESIDENTIAL PROJECTS, THE CONFERENCE MUST BE HELD ON-SITE UNLESS THE SC DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL HAS APPROVED OTHERWISE.



SILT FENCE - POST REQUIREMENTS

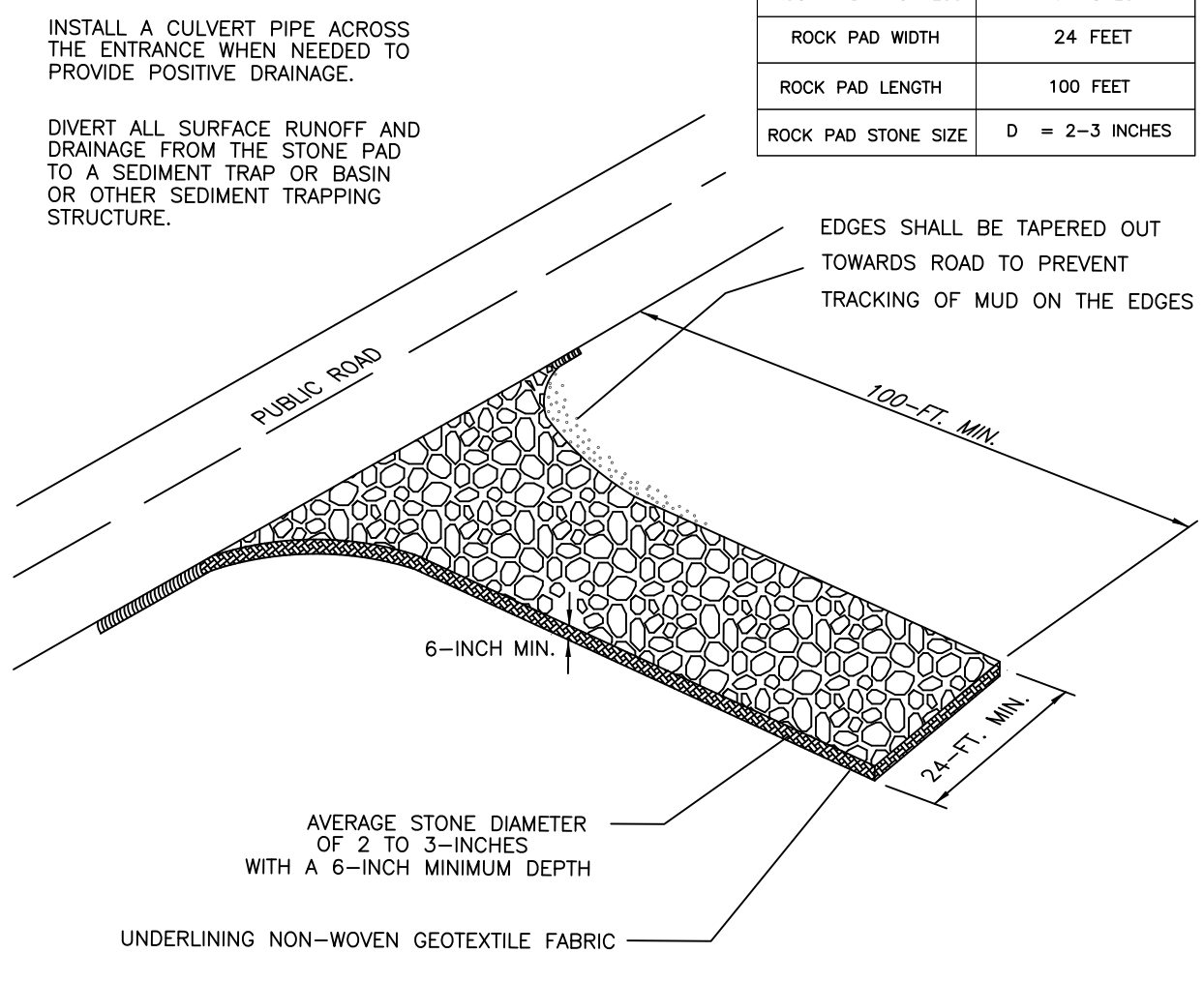
- Silt fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%)
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
- 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 6-feet on center.

SILT FENCE - 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 55% by weight of polypropylene, 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 alter 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 Standards Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed 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.

SILT FENCE - INSPECTION & MAINTENANCE

- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of silt fence 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 silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
- 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 silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
- Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
- Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.



STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.

STABILIZED CONSTRUCTION ENTRANCE NOTES:

WHEN AND WHERE TO USE IT:
STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS:
IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS DISCHARGED OFFSITE. WASHINGTON FACILITY DESIGN SHALL BE USED. WASHING AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

INSTALLATION:
REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING STONE. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE. THE ENTRANCE SHALL CONSIST OF 100-FOOT MINIMUM LENGTH AT A MINIMUM DEPTH OF 6 INCHES. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24 FEET WIDE BY 100 FEET LONG AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONDITIONS. THE ENTRANCE SHOULD BE TAPERED OUT AT THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.

INSPECTION AND MAINTENANCE:
INSPECT CONSTRUCTION ENTRANCES EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES RAINFALL OR MORE OF PRECIPITATION, OR AFTER HEAVY USE. CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL REDUCE THE USEFUL LIFE OF STONE. WASHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

Fertilizer

Apply a minimum of 1000 pounds per acre of a complete 10-10-10 fertilizer (23 pounds per 1000 square feet) or equivalent during permanent seeding of grasses unless a soil test indicates a different requirement. Incorporate fertilizer and lime (if used) into the top 4-6 inches of the soil by disking or other means where conditions allow. Do not mix the lime and the fertilizer prior to the field application.

Seeding

Loosen the surface of the soil just before broadcasting the seed. Evenly apply seed by the most convenient method available for the type of seed applied and the location of the seeding. Typical application methods include but are not limited to cyclone seeders, rotary spreaders, drop spreaders, broadcast spreaders, hand spreaders, cultipacker seeder, and hydro-seeders. Cover applied seed by raking or dragging a chain or brush mat, and then lightly firm the area with a roller or cultipacker. Do not roll seed that is applied with a hydro-seeder and hydro-mulch.

Mulching

Cover all permanent seeded areas with mulch immediately upon completion of the seeding application to retain soil moisture and reduce erosion during establishment of vegetation. Apply the mulch evenly in such a manner that it provides a minimum of 75% coverage. Typical mulch applications include straw, wood fiber, hydromulches, BFM and FGM. Use hydromulches with a minimum blend of 70% wood fibers.

The most commonly accepted mulch used in conjunction with permanent seeding is small grain straw. Sled seed that is dry and free from mold damage and noxious weeds. The straw may need to be anchored with netting or asphalt emulsions to prevent it from blowing away or washed away. Apply straw mulch by hand or machine at the rate 2 tons per acre (90 pounds per 1000 square feet). Frequent inspections are necessary to check that conditions for growth are good.

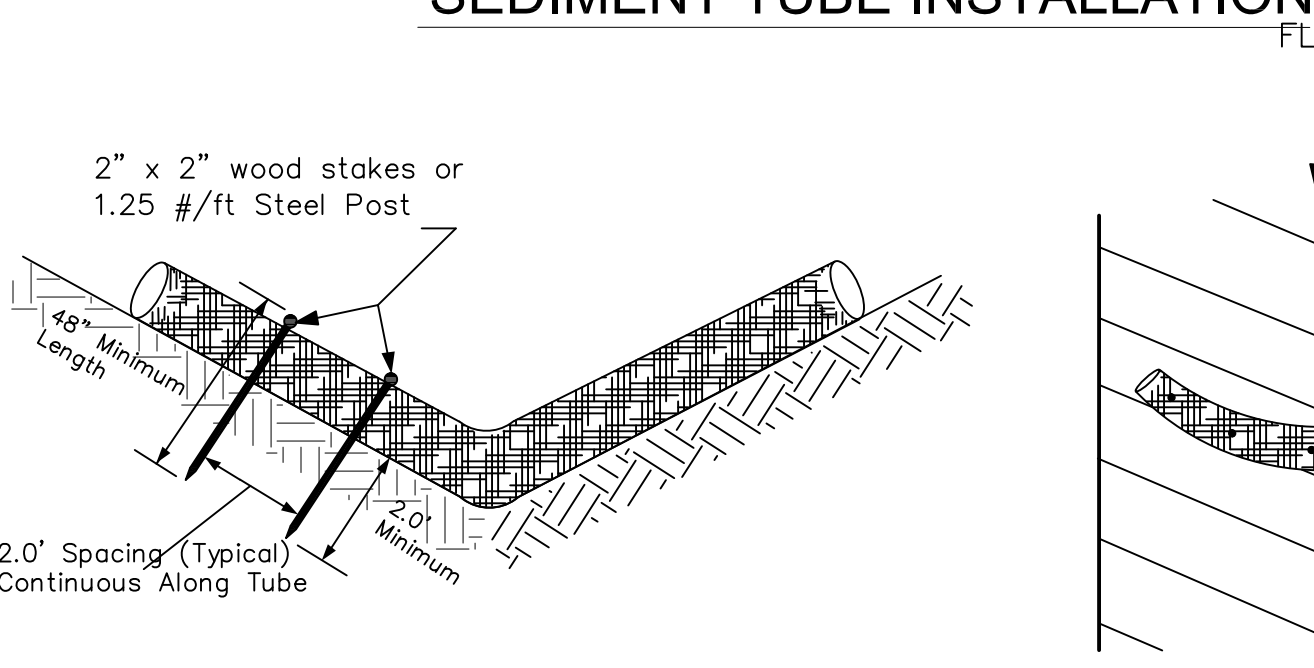
Temporary Seeding

Species	Lbs./Ac.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sandy, Droughty Sites													
Browstop Millet	40 lbs./ac.												
Rye, Grain	50 lbs./ac.												
Ryegrass	50 lbs./ac.												
Well drained, clayey/loamy Sites													
Browstop Millet or Browstop Millet	40 lbs./ac.												
Rye, Grain or Oats	50 lbs./ac.												
Ryegrass	50 lbs./ac.												

Permanent Seeding

Species	Lbs./Ac.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sandy, Droughty Sites													
Browstop Millet	10 lbs./ac.												
Ryegrass	40 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Ryegrass	30 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Atlantic Coastal	15 lbs./ac.												
Panicum	25 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Swathgrass (Alamo)	8 lbs./ac.												
Lime Blended	4 lbs./ac.												
Series Lospedera	20 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Wheeler Longgrass	8 lbs./ac.												
Well drained, clayey/loamy Sites													
Browstop Millet	10 lbs./ac.												
Ryegrass	10 lbs./ac.												
Bermuda, Common	6 lbs./ac.												
Series Lospedera	40 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Bermuda, Common	12 lbs./ac.												
Yoke Lospedera (Auranti)	10 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Ryegrass	20 lbs./ac.												
Bermuda, Common	6 lbs./ac.												
Series Lospedera	40 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Bermuda, Common	12 lbs./ac.												
Yoke Lospedera (Auranti)	10 lbs./ac.												
Browstop Millet	10 lbs./ac.												
Ryegrass	10 lbs./ac.												
Swathgrass	P.S.												
Lime Blended	P.S.												
Swathgrass	P.S.												

SEDIMENT TUBE INSTALLATION



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

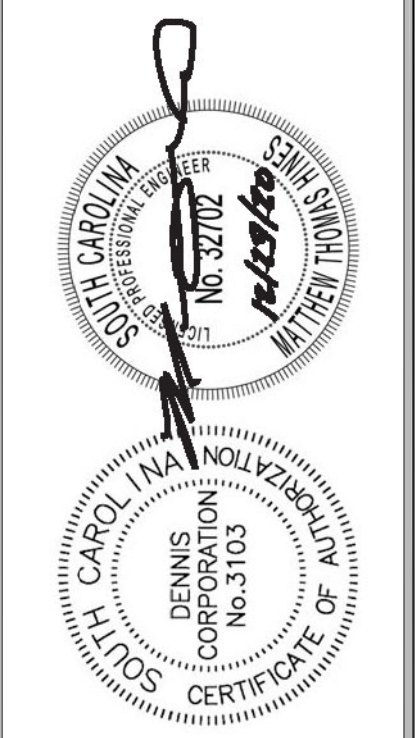
SEDIMENT TUBES - GENERAL NOTES

- 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, curled excelsior wood, 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 continually 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 tubes 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.

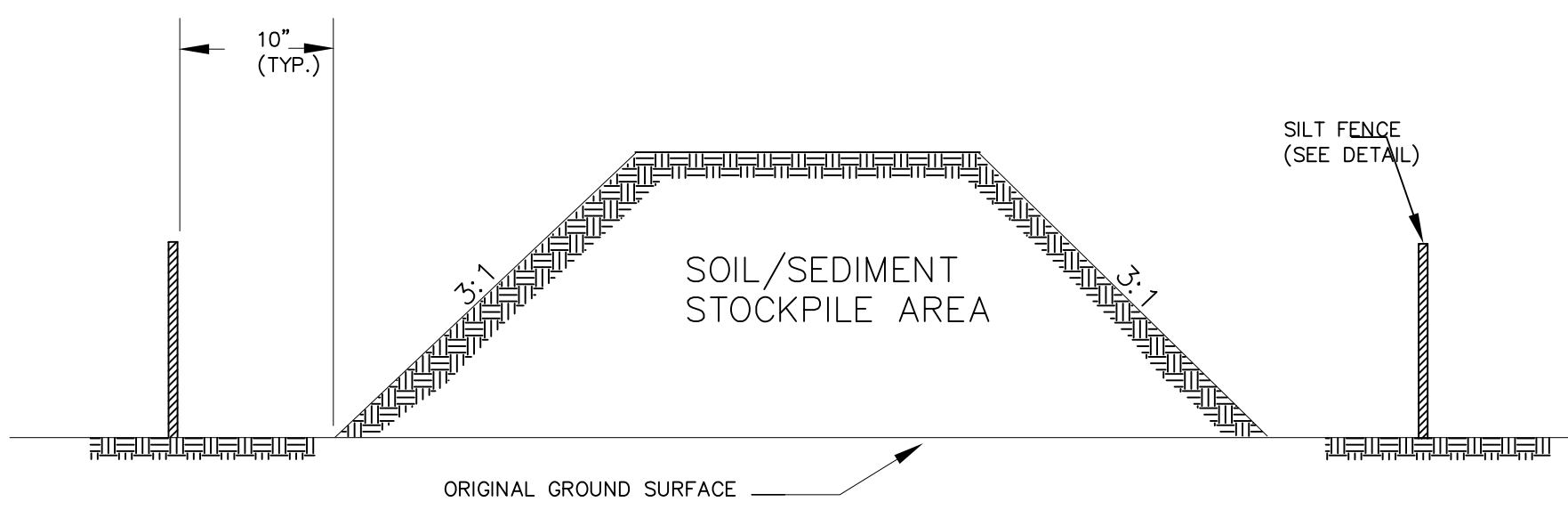
Revision	Date	Description



Engineer	Drawn By	Checked By
M. Hines	S. Pollard	M. Hines

CORNER LOOP AND BELLADONNA
NOTES AND DETAILS
DENNIS CORPORATION
 GEORGETOWN COUNTY SOUTH CAROLINA
 Project G0004.32
 Scale N.T.S.
 Sheet C-501

TEMPORARY STOCKPILE AREA



- NOTES:
1. SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOPE THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
 2. IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
 3. SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
 4. THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

EROSION CONTROL BLANKETS
 Description
 Temporary erosion control blankets (ECBs) are products composed primarily of biologically, photochemically or chemically degradable coverings such as wheat straw, coconut fiber, or spun coconut excelsior wood product with longevity of approximately 1- to 3-years.

When and where to use it
 ECBs are used for the temporary stabilization of soil immediately following seeding until the vegetative cover has grown and becomes established. ECBs provide temporary protection by degrading over time as the vegetation becomes established. Some products are effective for a few months while others degrade slowly and are effective for up to 3-years.

ECB categories
 Class A (slope applications only)
 Class B (channel applications only)

Class A ECBs are for slope applications only. Applicable for slopes 2h:1v or flatter only. Slopes greater than 2h:1v require turf reinforcement matting (TRM).

Class B ECBs are for channel applications. Applicable for channels and concentrated flow areas with a maximum calculated shear stress τ than 1.75 lb/ft². channels and concentrated flow areas with design shear stresses greater than 1.75 lb/ft² require TRM.

All acceptable class A and class B temporary erosion control blankets consisting of straw, coconut, or straw-coconut blends must the following requirements:

Utilize non-organic, photodegradable or biodegradable polypropylene netting.

Consist of double netted matting, defined as matting with netting on both sides of the blanket. The top netting is degradable polypropylene with a maximum mesh opening of 0.75 inches by 0.75. The bottom is degradable polypropylene with a maximum mesh opening of 0.5 inches by 0.5 inches.

Be sown on center a maximum of 2.0 inches.

All acceptable class A and class B temporary erosion control blankets consisting of curled excelsior fibers must the following requirements:

Utilize non-organic, photodegradable or biodegradable polypropylene netting.

Consist of double netted matting. Double netted matting is matting with netting on both sides of the blanket. The degradable polypropylene top netting requires a maximum mesh opening of 1.0-inches by 1.0-inches, while the degradable polypropylene bottom netting requires a maximum mesh opening of 1.0-inches by 1.0-inches. consist of curled excelsior interlocking fibers with 80% of the fibers a minimum of 6-inches long.

Sown on center a maximum of 4.0-inches.

Use class A and class B temporary erosion control blankets having the following minimum average roll values (min): for physical properties, as derived from quality control testing performed by a geosynthetic accreditation facility - laboratory accreditation program (see list) accredited laboratory.

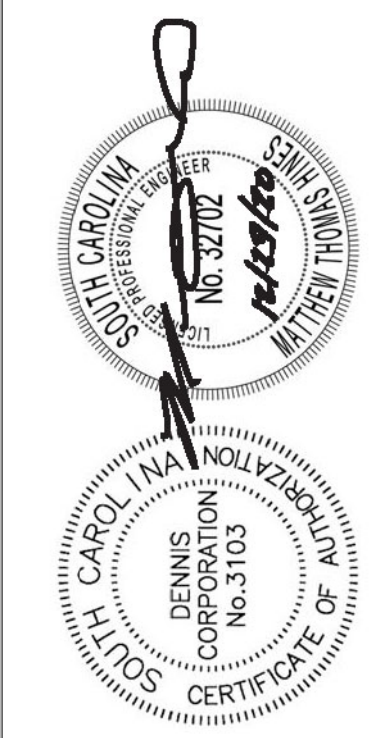
Minimum mass per unit area (ASTM D475) of 6 oz/yd² (203 g/m²)
 Minimum thickness (ASTM D5525) of 0.25-inches (6 mm)
 Minimum initial grab tensile strength (ASTM D681 B) of 75 x 75 lb/ft² (1 x 1 kn/m)
 Minimum roll width of 48-inches (1.2 m)
 For class B channel applications, a minimum unvegetated shear stress of 1.0 lb/ft² (48 n/m²) based on short-term peak flow duration of 0.5 hour is required.

Installation
 Grade and compact areas to be protected with ECBs as indicated on the plans. remove large rocks, soil clods, vegetation, and other sharp objects that could keep the ECB from intimate contact with substrate. Prepare seedbed by loosening 2 to 3 inches of soil above final grade. The proper installation of ECBs is different for each product. therefore the recommended installation procedure from the specific manufacturer should be followed. When requested, a manufacturer's representative may be required to be on-site to oversee and approve the initial installation of the ECB. When requested, a letter from the manufacturer approving the contractor installation may be required.

Inspection and maintenance
 Inspect areas protected by ECBs for discoloration or failure every 7 calendar days. Conduct regular inspections until grasses are firmly established. Adhere to the pinning or staking pattern as shown on the manufacturer's installation sheet. If there is any concern that the ECB is not securely fastened to the soil, require extra pins or staples to inhibit the ECB from becoming

- CONSTRUCTION SEQUENCE:**
1. RECEIVE NPDES COVERAGE FROM SC-DHEC.
 2. PRE-CONSTRUCTION MEETING (ON-SITE IF MORE THAN 10 DISTURBED ACRES AND NON-LEAKY).
 3. NOTIFY SC-DHEC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
 4. INSTALLATION OF CONSTRUCTION ENTRANCES/EXIT.
 5. CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
 6. INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
 7. CLEARING AND GRUBBING ONLY IN AREAS OF BASINS, TRAPS, PONDS.
 8. INSTALLATION OF BASINS, TRAPS, PONDS AND INSTALLATION OF OVERSPANS TO THOSE STRUCTURES. OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO THE NEXT STEP. AREAS DRAWING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES AND OVERSPANS ARE COMPLETELY INSTALLED.
 9. CLEARING AND GRUBBING OF SITE OR REDUCTION.
 10. ROUGH GRADING.
 11. INSTALLATION OF STORM DRAINAGE SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED.
 12. FINE GRADING, FINING, ETC.
 13. PERMANENT FINE STABILIZATION.
 14. CLEAN-OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND REDUCTION OF DETENTION POND BOTTOMS. IF NECESSARY, MOODY SEDIMENTATION BASIN RISERS TO CONNECT TO DETENTION BASIN OUTLET STRUCTURE.
 15. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAWING TO THE STRUCTURE IS FINALLY STABILIZED.
 16. PERFORM AS-BUILT SURVEYS OF ALL DETENTION STRUCTURES AND SUBMIT TO DHEC OR MS-4 FOR ACCEPTANCE.
 17. SUBMIT NOTICE OF TERMINATION (NOT) TO SC-DHEC AS APPROPRIATE.

Description	Date	Revision



Engineer	M. Hines
Drawn By	S. Pollard
Checked By	M. Hines

NOTES AND DETAILS
DENNIS CORPORATION
 SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 No. 3103
 DENNIS CORPORATION
 No. 3103
 CERTIFICATE OF

REFERENCES

SIGNING AND MARKING ENGINEER

SOUTH CAROLINA PROFESSIONAL ENGINEER
 No. 23845
 MARK H. ANTHONY

DATE: 2-12-09

#	DATE	CHK	DESCRIPTION
1			
2			
3			
4			
5			

SCDOT
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS OFFICE
 955 PARK STREET
 ROOM 405
 COLUMBIA, SC 29201

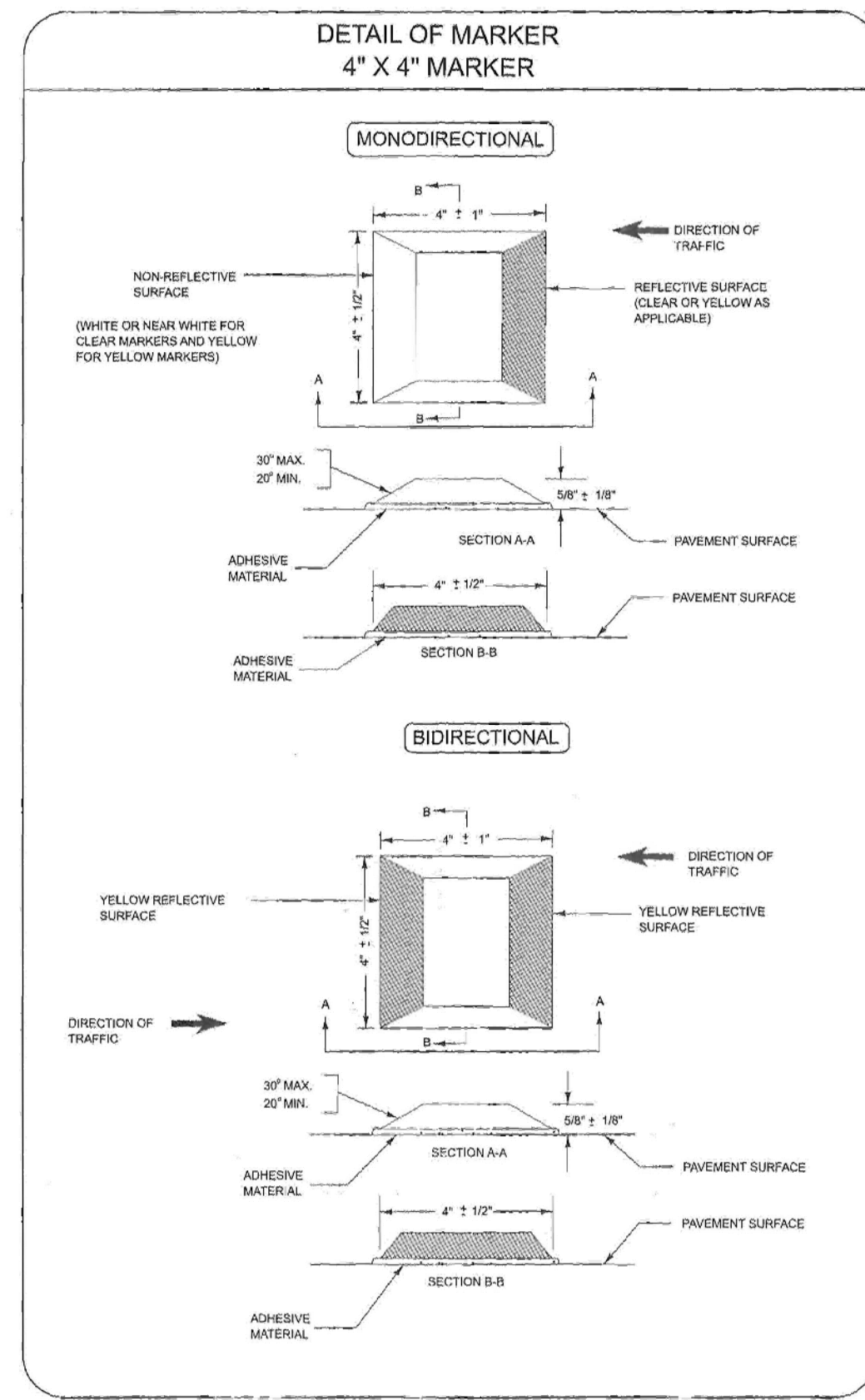
STANDARD DRAWING

PAVEMENT MARKING TYPICAL
 RAISED MARKER
 PLACEMENT & DETAIL

630-105-00

EFFECTIVE LISTS DATE: MAY 2008 THIS DRAWING IS NOT TO SCALE

**PAVEMENT MARKING TYPICAL
 RAISED MARKER PLACEMENT & DETAIL**



- NOTES**
1. ALL RAISED PAVEMENT MARKERS ARE TO BE SURFACE MOUNTED.
 2. RAISED PAVEMENT MARKERS ARE USED TO SUPPLEMENT LINE OR SYMBOL PAVEMENT MARKINGS.
 3. RAISED MARKERS ARE USED ONLY ON ROADWAYS SPECIFICALLY INDICATED ON THE PLANS. SOME ROADWAYS WILL HAVE LINE AND SYMBOL PAVEMENT MARKINGS, WITHOUT THE USE OF PAVEMENT MARKERS.
 4. RAISED PAVEMENT MARKERS ARE THE SAME COLOR AS THE LINE THEY SUPPLEMENT. CLEAR PAVEMENT MARKERS ARE USED WITH WHITE LINES OR SYMBOLS, AND YELLOW WITH YELLOW LINES. WHEN RED PAVEMENT MARKERS, OR COMBINATION RED AND CLEAR MARKERS ARE USED, THE RED COLOR IS TO INDICATE A WRONG WAY MOVEMENT.
 5. RAISED MARKERS ARE USED TO SUPPLEMENT LANE LINES AND LEFT EDGE LINES AGAINST NARROW (1/2 OR LESS AND NORMALLY PAVED) MEDIANS. THEY ARE NOT USED WITH RIGHT EDGE LINES OR LEFT EDGE LINES ADJACENT TO A WIDE (NORMALLY 3/4 OR MORE AND EARTH) MEDIAN.
 6. RAISED MARKERS ARE NOT NORMALLY USED ADJACENT TO A RAISED CURBED MEDIAN WHERE THE MEDIAN IS ONE HALF MILE OR MORE IN LENGTH. RAISED MARKERS MAY, HOWEVER, BE USED ADJACENT TO A RAISED MEDIAN WHERE THE MEDIAN IS INTERMITTENT IN NATURE AND CONTINUITY OF GUIDANCE AT RIGHT IS ENHANCED BY CONTINUING THE RAISED MARKINGS. FOR SHORT RAISED MEDIANS THE RAISED PAVEMENT MARKERS ARE USED EVEN THOUGH THE YELLOW LINE THEY SUPPLEMENT IS TERMINATED WHERE THE MEDIAN BEGINS.
 7. MARKERS SUPPLEMENTING SOLID LINES SHALL BE SPACED AT 40'.
 8. RAISED PAVEMENT MARKERS ARE NOT USED ADJACENT TO CURB AND GUTTER EXCEPT WHERE SPECIFIED BY PLAN NOTES.
 9. REFLECTIVE PORTION OF MARKERS MUST BE PLACED SO AS TO BE VIEWED BY THE INTENDED APPROACHING DRIVERS ON THE ROADWAY BEING MARKED.
 10. THERE WILL BE A MINIMUM OF TWO RAISED MARKERS PER TURN LANE. IF ONLY TWO BROKEN LINES ARE USED, THERE WILL BE A RAISED MARKER AFTER EACH LINE. IF ONLY ONE BROKEN LINE IS USED, A RAISED MARKER WILL BE USED BEFORE AND AFTER THE LINE.
 11. THERE WILL BE A MINIMUM REFLECTIVE AREA OF 2.5 sq. in.

- STANDARD NOTES:**
1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
 2. 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 AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE THE SITE.
 3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
 4. 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.
 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
 7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
 8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
 9. 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.
 10. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
 11. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICAL, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
 12. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
 13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
 14. MINIMIZE THE DISCHARGES OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
 15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, AN FILTER BAG, ETC.).
 16. 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.
 17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
 18. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICAL, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
 19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

CORNER LOOP AND BELLADONNA
for
GEORGETOWN COUNTY
 GEORGETOWN COUNTY SOUTH CAROLINA
 JUNE 2020

Project
G0004.32
 Scale
N.T.S.
 Sheet
C-503

REFERENCES

NATIONAL DOCUMENTS
USDA NRCS ENGINEERING FIELD MANUAL

SOFT DOCUMENTS
V.O.P.

RELATED DRAWINGS & REVIEWS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
OUTLET PROTECTION WITH NO DEFINED CHANNEL

804-305-03
EFFECTIVE LISTING DATE: JULY 2017

**PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL
MINIMUM TAILWATER CONDITION:**

PIPE INSIDE DIAMETER (DI) (FT)	MAX PIPE SLOPE	OUTLET PROTECTION DIMENSIONS			MIN RIPRAP CLASS	RIPRAP DEPTH (d) (FT)
		3D0 (FT)	L0 (FT)	W (FT)		
1.5	≤ 1%	6	10	12	A	1.5
1.5	2%	6	14	18	A	1.5
1.5	5%	6	19	21	B	2.7
2.0	≤ 1%	8	14	17	A	1.5
2.0	2%	8	19	22	B	2.7
2.0	5%	8	26	29	B	2.7
2.5	≤ 1%	10	18	21	A	1.5
2.5	2%	10	25	28	B	2.7
2.5	5%	10	34	37	C	3.8
3.0	≤ 1%	12	24	28	B	2.7
3.0	2%	12	32	36	B	2.7
3.0	5%	12	42	48	C	3.8
3.5	≤ 1%	14	28	33	B	2.7
3.5	2%	14	37	42	C	3.8
3.5	5%	14	48	53	C	3.8
4.0	≤ 1%	16	33	38	B	2.7
4.0	2%	16	43	48	C	3.8

- NOTES:**
- 1) THESE TABLES ARE ONLY APPLICABLE FOR THE PIPE SIZES AND MAXIMUM PIPE SLOPES LISTED.
 - 2) LARGER PIPES OR GREATER SLOPES REQUIRE ALTERNATIVE OUTLET PROTECTION DESIGN.
 - 3) WHEN PLANS SPECIFY LARGER OR DIFFERENT OUTLET PROTECTION THAN SHOWN IN TABLES, INSTALL OUTLET PROTECTION PER THE PLANS.
 - 4) SEE DRAWING # 804-305-02 FOR MORE INFORMATION ON OUTLET PROTECTION DIMENSIONS.

**PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL
MAXIMUM TAILWATER CONDITION:**

PIPE INSIDE DIAMETER (DI) (FT)	MAX PIPE SLOPE	OUTLET PROTECTION DIMENSIONS			MIN RIPRAP CLASS	RIPRAP DEPTH (d) (FT)
		3D0 (FT)	L0 (FT)	W (FT)		
1.5	≤ 1%	6	8	6	A	1.5
1.5	2%	6	23	11	A	1.5
1.5	5%	6	40	18	A	1.5
2.0	≤ 1%	8	14	8	A	1.5
2.0	2%	8	30	15	A	1.5
2.0	5%	8	55	25	B	2.7
2.5	≤ 1%	10	20	11	A	1.5
2.5	2%	10	39	19	A	1.5
2.5	5%	10	66	30	B	2.7
3.0	≤ 1%	12	27	15	A	1.5
3.0	2%	12	55	28	A	1.5
3.0	5%	12	91	40	C	3.8
3.5	≤ 1%	14	33	18	A	1.5
3.5	2%	14	66	31	B	2.7
3.5	5%	14	106	47	C	3.8
4.0	≤ 1%	16	42	22	A	1.5
4.0	2%	16	78	37	B	2.7

THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS

SOFT DOCUMENTS
SECTION 705 & 808 STD SPEC
S.C. 18
PRECONSTRUCTION ADVISORY MEMORANDUM 8

RELATED DRAWINGS & REVIEWS
STATE OF SC CODE OF PRACTICE
CHAPTER 49, ARTICLE 4
STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.GOV FOR LATEST UPDATE.

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
RIGHT-OF-WAY PLAT
CONCRETE POST & REBAR CAP MARKER

809-105-00
EFFECTIVE LISTING DATE: MARCH 2014

NOTES:

1. THE CONTRACTOR SHALL PREPARE A RIGHT-OF-WAY PLAT MARKER AND SEALED BY THE SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR IN CHARGE. THE PLAT WILL DETERMINE THE LOCATION OF ALL RIGHT-OF-WAY MARKERS THAT HAVE BEEN SET AND REFLECTING THE AS-BUILT STATION AND OFFSET FROM ADJACENT PROPERTY LINES. EACH PLAT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 49-46-02 GENERAL PROPERTY SURVEYS AS OUTLINED IN THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA.
2. PLACE RIGHT-OF-WAY MARKERS ACCURATELY:
 - AT ALL GROUND ACCESSIBLE POINTS ALONG THE RIGHT-OF-WAY LINE
 - AT END STATION INTERSECTIONS TO IDENTIFY THE STATIONING OF A PROJECT
 - AT ALL BREAK POINTS IN RIGHT-OF-WAY LINES
 - AT THE BEGINNING AND END OF ALL CURVES
 - AT INTERVALS NO FURTHER THAN THE SPACING SHOWN IN DETAIL 1
 - AT ALL POINTS WHICH MAINTAIN FORWARD AND BACK LINE OF SIGHT
 - PLUMB AND GROUNDIZED FROM 30° TO 45° FOR CONCRETE POST MARKERS
3. INSTALL CONCRETE POST MARKERS ON INTERSTATE AND CONTROLLED ACCESS ROUTES. INSTALL REBAR AND CAP MARKERS ON ALL OTHER ROUTES.
- 3.2 WHERE PRACTICAL, INSTALL RIGHT-OF-WAY MARKERS AWAY FROM POINTS WHICH ARE COMMON TO NEAR PROPERTY LINES AND/OR CORNERS.

CONCRETE POST FABRICATION:

- 3.1 FABRICATE CONCRETE POST MARKERS ON-SITE USING CLASS 4000+ CONCRETE WITH ONE #8 REBAR OR OTHER FROM A SOURCE LISTED ON QUALIFIED PRODUCT LIST 16.
- 3.2 PLACE 1/2" CHAMFER ON ALL ABOVE GROUND EDGES.
- 3.3 LETTERING MUST BE AT LEAST 1/2" DEEP, 3/4" TALL, WITH 1/2" THICK LETTERS.

REBAR CAP FABRICATION & INSTALLATION:

- 4.1 USE REBAR AND CAP FROM BERTHSEN INTERNATIONAL INC. MODEL RBK333, 3/8" E6000 SERIES (SPRIT FORTIFIED ALUMINUM COVERED CAP OR AN APPROVED EQUAL).
- 4.2 FOLLOW REBAR AND CAP MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 4.3 SET MARKER ON A MINIMUM 1" LONG STOCK OF #8 REBAR SO THAT TOP OF MARKER IS 1" TO 2" BELOW GROUND SURFACE TO ELIMINATE CONTACT WITH MOWING AND OTHER MAINTENANCE OPERATIONS, OR FLUSH WITH CONCRETE SURFACE IF EMBEDDED IN CONCRETE.

PAY ITEMS:

NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED PRICE	ESTIMATED TOTAL
8091050	RIGHT-OF-WAY PLAT	EA	1	1.00	1.00
8091010	RIGHT-OF-WAY MARKER (CONCRETE POST)	EA	1	1.00	1.00
8091010	RIGHT-OF-WAY MARKER (REBAR CAP)	EA	1	1.00	1.00

**TABLE 809-105A
3/8" DIAMETER CAP SPECIFICATIONS**

ROW	TEXT	# SPACES AROUND PERIMETER	HEIGHT	LOCATION	REMARKS
1	SCDOT	48	3/8"	OUTSIDE TOP	
2	RIGHT-OF-WAY	36	3/8"	MIDDLE TOP	
3	YEAR/AREA	36	3/8"	INSIDE TOP	LETTERS YEAR
4	SCALE/NUMBER	36	3/8"	INSIDE BOTTOM	INDICATOR OF SCALE
5	PROJECT ID#	36	3/8"	MIDDLE BOTTOM	PROJECT ID-SEQUENCE # OF MARKER
6	DO NOT DISTURB	48	3/8"	OUTSIDE BOTTOM	

REFERENCES

NATIONAL DOCUMENTS

SOFT DOCUMENTS
SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION SC-174

PRECONSTRUCTION SUPPORT ENGINEER

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
END TREATMENT (RCP BEVELED END)

719-610-00
EFFECTIVE LISTING DATE: JAN. 2012

NOTES:

1. BEVELED END SECTIONS WILL BE MANUFACTURED IN ACCORDANCE WITH SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION SC-174. THE BEVELED END SECTIONS WILL BE MADE DURING THE MANUFACTURING OF OTHER STATE APPROVED BEVELED END SECTIONS.
2. THE PIPE BEVEL MAY BE SAVED IN THE FIELD IN LIEU OF BEING MANUFACTURED. IN FIELD SAVING, THE PIPE BEVEL SHALL BE MADE TO MATCH THE BEVEL OF THE PIPE MANUFACTURED. ALTERNATE PIPE FOR SIDEWALKS MUST HAVE EACH END BEVELED TO MATCH THE ADJACENT SLOPES.
3. PLACE RIPRAP AS DIRECTED BY THE RCP.
4. PAYMENT FOR BEVELED END SECTIONS WILL BE AS DIRECTED IN SC-174.
5. THE PAY ITEM SHALL BE:

**CHART 719-610B
RIPRAP PLACEMENT**

C.L.S.S	D.W. (FT)	THICKNESS (FT)
A	0.75	1.50
B	0.75	2.60
C	1.30	2.60

**TABLE 719-610A
EMBANKMENT SLOPE**

B (BEVELED LENGTH) (IN)	15	18	24	30	36	42	48	54	60
6:1	54	45	36	27	18	18	18	18	18
5:1	70	56	42	28	21	18	18	18	18
4:1	84	63	48	36	24	18	18	18	18
3:1	108	84	63	42	24	18	18	18	18
2:1	144	108	84	63	42	24	18	18	18
1.5:1	180	135	108	84	63	42	24	18	18
1:1	216	162	126	108	84	63	42	24	18
0.75:1	270	207	162	135	108	84	63	42	24
0.5:1	324	252	198	162	135	108	84	63	42
0.33:1	360	288	225	180	150	120	90	72	60

NOTES:

- 1) L0 = THE LENGTH OF THE RIPRAP APRON.
- 2) W = WIDTH OF OUTLET PROTECTION AT END OF RIPRAP APRON.
- 3) D0 = OUTER DIAMETER OF OUTLET PIPE.
- 4) 3D0 = WIDTH OF OUTLET PROTECTION AT TOE OF SLOPE AT PIPE OUTLET.
- 5) SEE DRAWING # 804-305-03 OR PLANS FOR DIMENSIONS L0, W, AND 3D0.
- 6) c = DEPTH OF RIPRAP = 2.0 TIMES THE MAXIMUM RIPRAP DIAMETER.
- 7) SEE DRAWING # 804-305-01 FOR RIPRAP SLOPE STABILIZATION AROUND PIPE.

REFERENCES

NATIONAL DOCUMENTS
USDA NRCS ENGINEERING FIELD MANUAL

SOFT DOCUMENTS
V.O.P.

RELATED DRAWINGS & REVIEWS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
OUTLET PROTECTION WITH NO DEFINED CHANNEL

804-305-02
EFFECTIVE LISTING DATE: JULY 2017

THIS DRAWING IS NOT TO SCALE

Project G0004.32
Scale N.T.S.
Sheet C-504

NOTES AND DETAILS

CORNER LOOP AND BELLADONNA for GEORGETOWN COUNTY

ENGINEER: M. Hines
DRAWN BY: S. Pollard
CHECKED BY: M. Hines

REVISIONS

DATE

DESCRIPTION

SCDOT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
OUTLET PROTECTION WITH NO DEFINED CHANNEL

804-305-02
EFFECTIVE LISTING DATE: JULY 2017