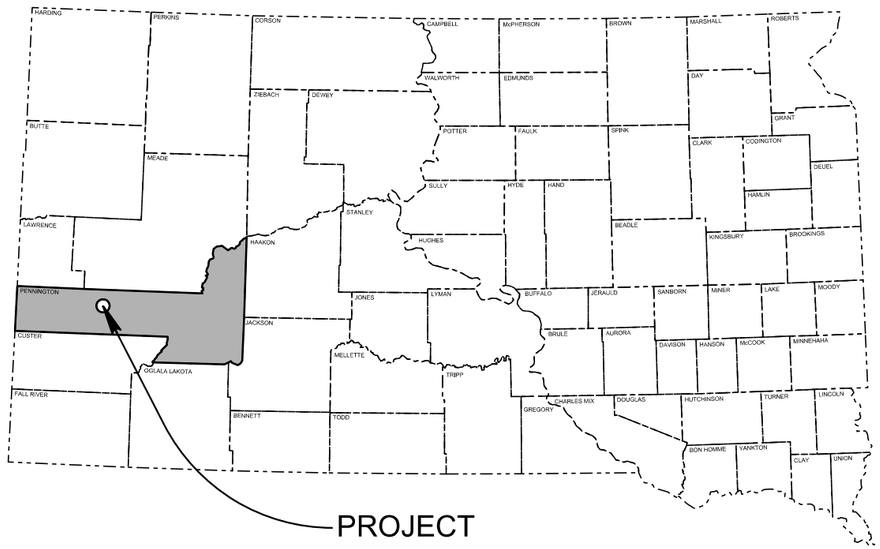



STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

# PROJECT 190-452
# INTERSTATE 190
# PENNINGTON COUNTY

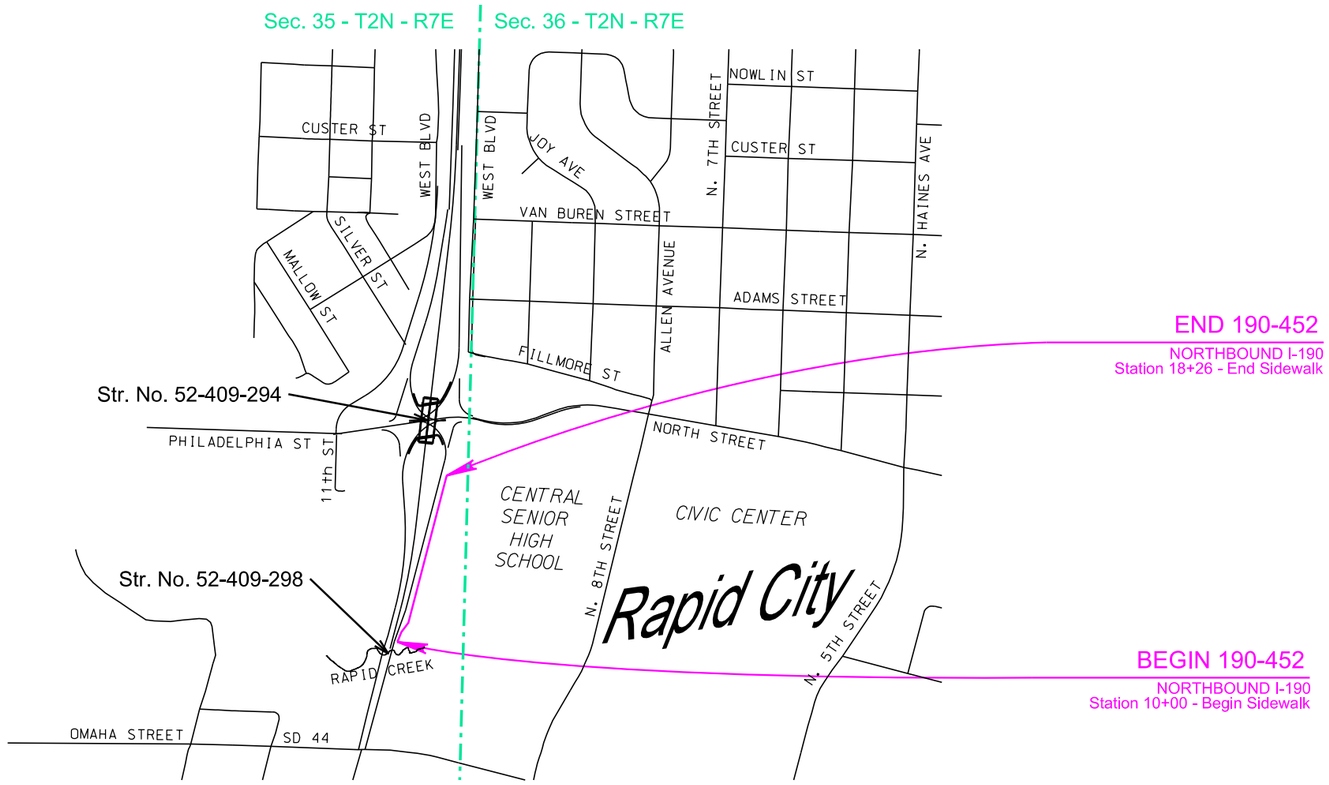
SIDEWALK
(CENTRAL HIGH SCHOOL TO RAPID CREEK BRIDGE)
PCN i4wv

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 1 | 26 |

Plotting Date: 08/23/2017

INDEX OF SHEETS






DESIGN DESIGNATION

| | |
|---|---|
| ADT (2016) | 8670 |
| ADT (2036) | 11193 |
| DHV | 1153 |
| D | 50% |
| T DHV | 1.0% |
| T ADT | 2.1% |
| V | 50 mph |

STORM WATER PERMIT
(None Required)

| | | |
|---|---|---|
| Gross Length | 826 Feet | 0.1564 Miles |
| Length of Exceptions | Feet | Miles |
| Net Length | 826 Feet | 0.1564 Miles |

Plot Scale - 1:200
Plotted From - trrc11626
File - ...title.dgn

## ESTIMATE OF QUANTITIES

| BID ITEM NUMBER | ITEM | QUANTITY | UNIT |
|---|---|---|---|
| 009E0010 | Mobilization | Lump Sum | LS |
| 110E1140 | Remove Concrete Sidewalk | 99.1 | SqYd |
| 120E0600 | Contractor Furnished Borrow Excavation | 131 | CuYd |
| 230E0010 | Placing Topsoil | 43 | CuYd |
| 634E0110 | Traffic Control Signs | 4.0 | SqFt |
| 634E0120 | Traffic Control, Miscellaneous | Lump Sum | LS |
| 634E2000 | Longitudinal Pedestrian Barricade | 12 | Ft |
| 651E0050 | 5" Concrete Sidewalk | 4,140 | SqFt |
| 734E0010 | Erosion Control | Lump Sum | LS |

## SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

## ENVIRONMENTAL COMMITMENTS

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

### COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

**Action Taken/Required:**

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

### COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

**Action Taken/Required:**

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the Public ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

### COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

**Action Taken/Required:**

All earth disturbing activities not designated within the plans require review of cultural resources impacts. This work includes, but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor shall arrange and pay for a cultural resource survey and/or records search. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor shall provide ARC with the following: a topographical map or aerial view on which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

## COORDINATION WITH INTERCHANGE REPLACEMENT PROJECT IM 1902(61)0, PCN 1162

Roadway reconstruction near East North and Silver Streets on project IM 1902(61)0, PCN 1162, is currently in progress. The Contractor on this project shall coordinate with the Contractor on the reconstruction project so that work activities do no conflict. The Contractor for the project is Reede Construction, Inc. All costs associated with this coordination shall be incidental to the various bid items on the project.

## UTILITIES

The Contractor shall contact the involved utility companies through South Dakota One Call (1-800-781-7474) prior to starting work. It shall be the responsibility of the Contractor to coordinate work with the utility owners to avoid damage to existing facilities.

Utilities are not planned to be affected on this project. If utilities are identified near the improvement area through the SD One Call Process as required by South Dakota Codified Law 49-7A and Administrative Rule Article 20:25, the Contractor shall contact the Project Engineer to determine modifications that will be necessary to avoid utility impacts.

## CONTRACTOR FURNISHED BORROW

The Contractor shall provide a suitable site for Contractor furnished borrow excavation material. The Contractor is responsible for obtaining all required permits and clearances for the borrow site. The borrow material shall be approved by the Engineer. The plans quantity for “Contractor Furnished Borrow Excavation” as shown in the Estimate of Quantities will be the basis of payment for this item.

The Contractor shall place embankment material as necessary to construct the sidewalk berm. If sequencing allows, material from the removal of the existing sidewalk and temporary pedestrian path may be used as embankment material as approved by the Engineer. The removal of the temporary gravel pedestrian path shall be incidental to the contract bid item price for “Contractor Furnished Borrow Excavation”.

Restoration of the Contractor furnished borrow excavation site shall be the responsibility of the Contractor.

## SIDEWALK JOINTS

The sidewalk shall be constructed according to the Specifications. However, the sidewalk contraction joints shall be saw cut in lieu of tooled joints.

## TABLE OF QUANTITIES

| Location | Contractor Furnished Borrow (CuYd) | Remove Concrete Sidewalk (SqYd) | 5" Concrete Sidewalk (SqFt) | 4" Topsoil (CuYd) |
|---|---|---|---|---|
| 10+00 to 18+26 | 131 | 99.1 | 4140 | 43 |

## TRAFFIC CONTROL – GENERAL NOTES

Unless otherwise stated in these plans, no work will be allowed during hours of darkness.

Non-applicable traffic control devices shall be completely covered or removed during periods of inactivity. Periods of inactivity shall be defined as no work taking place for a period of more than 48 hours.

All materials and equipment shall be stored a minimum distance of 30’ from the traveled way during nonworking hours.

The Contractor shall provide installation details at the preconstruction meeting for all breakaway sign support assemblies.

All haul trucks shall be equipped with a second flashing amber light that is visible from the backside of the haul truck. The costs for the flashing amber lights shall be incidental to the various related contract bid items.

All construction operations shall be conducted in the general direction of traffic movement.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD – whichever is more stringent shall be used, as determined by the Engineer.

## TABLE OF TRAFFIC CONTROL DEVICES

### ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

| | | CONVENTIONAL ROAD | | | |
|---|---|---|---|---|---|
| SIGN CODE | SIGN DESCRIPTION | NUMBER | SIGN SIZE | SQFT PER SIGN | SQFT |
| R9-9 | SIDEWALK CLOSED | 2 | 24" x 12" | 2.0 | 4.0 |
| | | CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT | | | 4.0 |

## LONGITUDINAL PEDESTRIAN BARRICADE

Longitudinal Pedestrian Barricades should not be used to provide positive protection for pedestrians.

Barricade rail supports may not project into pedestrian routes more than 4 inches from the face of the barricade. To prevent any tripping hazard to pedestrians, ballast shall be located behind or internal to the device.

When Longitudinal Pedestrian Barricades are combined in a series, the maximum gap between devices that do not interlock shall be one inch. Joints between devices that do interlock shall be closed and flush to prevent canes or small wheels from being trapped and to facilitate safe hand trailing. When used as a sidewalk closure mechanism, Longitudinal Pedestrian Barricade must run the entire width of the sidewalk. Longitudinal Pedestrian Barricade should provide a color contrasting pattern. Black should not be used to color any base on a device. The devices should comply with the general color and stripe pattern requirements of Section 6F.68 of the MUTCD.

Longitudinal Pedestrian Barricade shall have continuous bottom and top surfaces. A gap height or opening from the walkway surface up to a maximum of 2 inches is allowed for drainage purposes. The top edge of the bottom portion shall be a minimum of 8 inches above the walkway. The top of the top portion shall be between 34 and 38 inches above the walkway. The top surface shall be smooth to allow safe hand trailing. Both upper and lower surfaces shall share a common vertical plane.

All costs shall be incidental to the contract unit price per foot for LONGITUDINAL PEDESTRIAN BARRICADE.

## SEQUENCE OF OPERATIONS

1. Install pedestrian traffic control.
2. Remove temporary pedestrian path and existing sidewalk.
3. Prepare and install sidewalk and embankment.
4. Place topsoil and seeding.
5. Remove pedestrian traffic control.

## PLACING TOPSOIL

The thickness will be approximately 4 inches on the inslopes of the sidewalk and disturbed areas. The exact limits shall be determined by the Engineer during construction.

A topsoil windrow has been placed east of the proposed sidewalk location and contains approximately 43 cubic yards.

All costs to place the topsoil from the windrow shall be incidental to the contract unit price per cubic yard for “Placing Topsoil”.

## EROSION CONTROL

The estimated area requiring erosion control is 3,556 square feet. All costs for the erosion control work for furnishing, placing, and maintain erosion control including equipment, labor, seeding, mycorrhizal inoculum, and fertilizing, shall be incidental to the contract lump sum price for “Erosion Control”.

The limits of erosion control work will be determined by the Engineer during construction.

### Mycorrhizal Inoculum

Mycorrhizal inoculum shall consist of mycorrhizal fungi spores and mycorrhizal fungi-infected root fragments in a solid carrier. The carrier may include organic materials, calcinated clay, or other materials consistent with application and good plant growth. The supplier shall provide certification of the fungal species claimed and the live propagule count. The inoculum shall include the following fungal species:

| | |
|---|---|
| *Glomus intraradices* | 25% |
| *Glomus aggregatu* | 25% |
| *Glomus mosseae* | 25% |
| *Glomus etunicatum* | 25% |

All seed shall be inoculated with a minimum of 100,000 live propagules of mycorrhizal fungi per acre. All costs of inoculating the seed shall be incidental to the contract lump sum price for “Erosion Control”.

### Fertilizing

The Contractor shall apply an all-natural slow release fertilizer prior to seeding or placing sod. The all-natural fertilizer shall have a minimum guaranteed analysis of 4-6-4 and be USDA Certified BioBased. It should provide a minimum of 4% (N) nitrogen with a minimum water insoluble nitrogen (WIN) fraction of 3.2%, a minimum of 6% ($P_2O_5$) available phosphate, a minimum of 4% ($K_2O$) soluble potash, and a maximum carbon to nitrogen ratio (C:N ratio) of 5:1. The all-natural fertilizer shall be free of weed-seed and pathogens accomplished through thermophilic composting, and not mechanical or chemical sterilization, to assure presence of beneficial soil microbiology. The fertilizer shall have a near neutral pH, a low salt index, a low biological oxygen demand, contain organic humic and fulvic acids, and have high aerobic organism counts. The fertilizer shall also be stable, free of bad odors, and be unattractive as a food source for animals. It should also be in a granular form that is easily spread.

The application rate is 1500 pounds per acre.

The all-natural slow release fertilizer shall be from the list below or an approved equal:

| Product | Manufacturer |
|---|---|
| Sustane | Sustane Corporate Headquarters<br>Cannon Falls, Minnesota<br>Phone: 1-800-352-9245<br>http://www.sustane.com/ |

### Hydroseeding

The areas to be hydroseeded with Type F Permanent Seed Mixture shall comprise of all newly graded areas within the project limits.

Type F Permanent Seed Mixture shall consist of the following:

| Grass Species | Variety | Pure Live Seed (PLS) (Pounds/Acre) |
|---|---|---|
| Western Wheatgrass | Flintlock, Rodan, Rosana | 7 |
| Green Needlegrass | Lodorm | 4 |
| Sideoats Grama | Butte, Killdeer, Pierre, Trailway | 3 |
| Blue Grama | Bad River, Willis | 2 |
| Oats or Spring Wheat: April through May;<br>Winter Wheat: August through November | | 10 |
| | Total: | 26 |

Hydroseeding shall be done by applying a mixture of water and seed at locations determined by the Engineer during construction.

The equipment used for hydroseeding shall be a mechanical agitation hydroseeding machine.

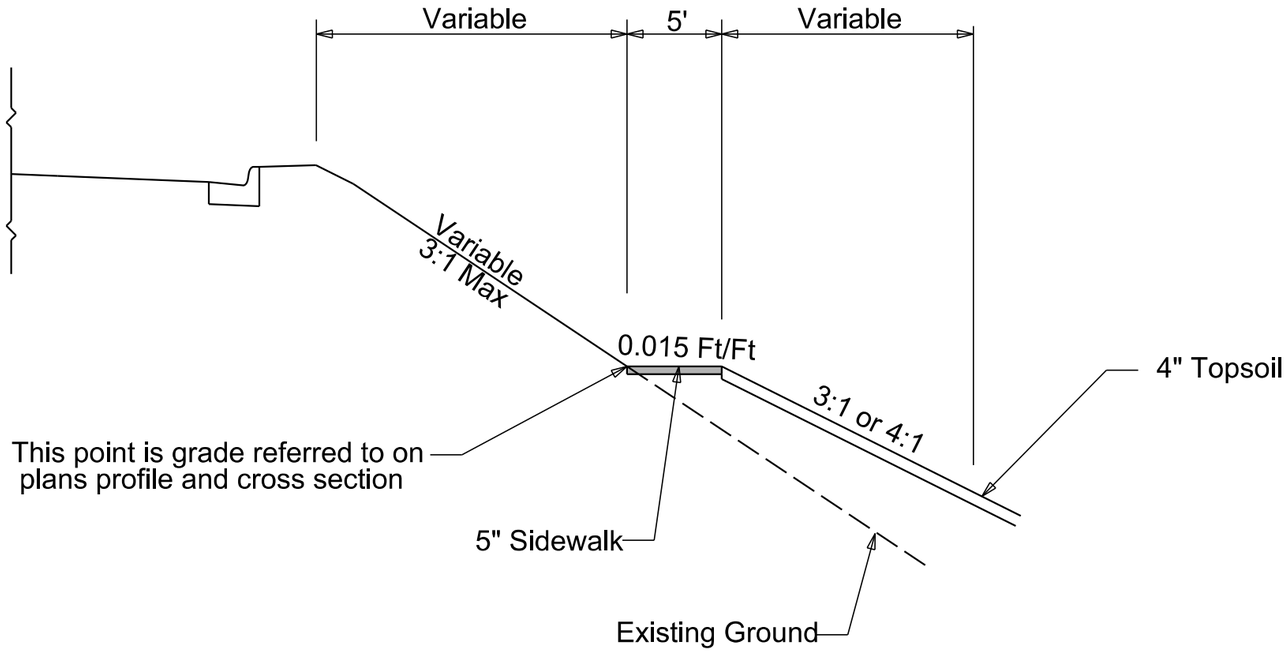
All costs for hydroseeding including equipment, labor, and materials which include the water and seed shall be incidental to the contract lump sum price for “Erosion Control”.

# TYPICAL GRADING SECTION

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 5 | 26 |

Plotting Date: 08/07/2017

## Sidewalk
## 10+00 to 18+26




Plot Scale - 1:133.333
Plotted From - trrc11626
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# HORIZONTAL ALIGNMENT DATA

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 6 | 26 |

Plotting Date: 08/02/2017

## SIDEWALK

| Type | Station | | | Northing | Easting |
|---|---|---|---|---|---|
| POB | 10+00.00 | | | 652108.948 | 1206711.508 |
| | | TL= 26.86 | N 46°19'10" E | | |
| PC | 10+26.86 | | | 652127.499 | 1206730.933 |
| PI | 10+55.48 | R = 100.00 | Delta = 31°56'46" L | 652147.268 | 1206751.634 |
| PT | 10+82.62 | | | 652174.996 | 1206758.739 |
| | | TL= 66.85 | N 14°22'24" E | | |
| PC | 11+49.47 | | | 652239.752 | 1206775.334 |
| PI | 11+55.43 | R = 100.00 | Delta = 6°49'47" R | 652245.533 | 1206776.815 |
| PT | 11+61.39 | | | 652251.096 | 1206778.973 |
| | | TL= 173.65 | N 21°12'11" E | | |
| PC | 13+35.03 | | | 652412.986 | 1206841.776 |
| PI | 13+40.08 | R = 100.00 | Delta = 5°46'32" L | 652417.689 | 1206843.601 |
| PT | 13+45.11 | | | 652422.552 | 1206844.943 |
| | | TL= 311.18 | N 15°25'39" E | | |
| PI | 16+56.29 | | | 652722.518 | 1206927.722 |
| | | TL= 170.06 | N 14°30'01" E | | |
| POE | 18+26.36 | | | 652887.166 | 1206970.304 |

# CONTROL DATA

| Point # | Station / Offset (Alignment) | Description | Northing | Easting | Elevation |
|---|---|---|---|---|---|
| 2035 | 122+58.91-2760.53' R (I-190 Mainline) | BNCHMK | 654015.49 | 1206730.94 | 3259.31 |
| CP01 | 212+19.20-1759.28' R (North Street) | REBAR | 651651.13 | 1206634.85 | 3236.23 |
| CP02 | 109+56.37-34.84' L (I-190 Mainline) | BAR WITH CAP | 653044.73 | 1206803.78 | 3241.24 |
| CP03 | 119+12.27-227.23' R (I-190 Mainline) | 2 FT REBAR AND CAP 706 WEST BLVD NORTH | 653963.94 | 1207174.56 | 3294.38 |
| CP04 | 124+91.13-32.63' L (I-190 Mainline) | 5 FT REBAR S BOUND OFF RAMP | 654568.89 | 1206983.32 | 3287.71 |
| CP05 | 138+44.64-104.91' R (I-190 Mainline) | 5 FT REBAR AND CAP SW CORNER ANAMOSA AND WEST BLVD NORTH | 655913.14 | 1207187.53 | 3310.79 |
| CP06 | 208+22.47-1942.56' R (North Street) | COTTON GIN SPINDLE | 651444.21 | 1205920.77 | 3240.85 |

The coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System. South Zone (NAD 83/1996); Geoid 03; SF = 0.99978964601

Plot Scale - 1:200
Plotted From - trc11626
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# LEGEND

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 7 | 26 |

Plotting Date: 08/02/2017

- Anchor
- Antenna
- Approach
- Assumed Corner
- Azimuth Marker
- BBQ Grill/ Fireplace
- Bearing Tree
- Bench Mark
- Box Culvert
- Bridge
- Brush
- Buildings
- Bulk Tank
- Cattle Guard
- Cemetery
- Centerline
- Cistern
- Clothes Line
- Commercial Sign Double Face
- Commercial Sign One Post
- Commercial Sign Overhead
- Commercial Sign Two Post
- Concrete Symbol
- Creek Edge
- Curb/Gutter
- Curb
- Dam Grade/Dike/Levee
- Deck Edge
- Ditch Block
- Doorway Threshold
- Drainage Profile
- Drop Inlet
- Edge Of Asphalt
- Edge Of Concrete
- Edge Of Gravel
- Edge Of Other
- Edge Of Shoulder
- Elec. Trans./Power Jct. Box
- Environmental Sensitive Site —ESS—
- Fence Barbwire
- Fence Chainlink
- Fence Electric
- Fence Misc.
- Fence Rock
- Fence Snow
- Fence Wood
- Fence Woven
- Fire Hydrant
- Flag Pole
- Flower Bed
- Gas Valve Or Meter
- Gas Pump Island
- Grain Bin
- Guardrail
- Guide Sign One Post
- Guide Sign Two Post
- Gutter
- Guy Pole
- Haystack
- Hedge
- Highway R.O.W. Marker
- Interstate Close Gate
- Iron Pin
- Irrigation Ditch
- Lake Edge
- Lawn Sprinkler
- Mailbox
- Manhole Electric
- Manhole Gas
- Manhole Misc
- Manhole Sanitary Sewer
- Manhole Storm Sewer
- Manhole Telephone
- Manhole Water
- Merry-Go-Round
- Microwave Radio Tower
- Misc. Line
- Misc. Property Corner
- Misc. Post
- Overhang Or Encroachment
- Overhead Utility Line — OH —
- Parking Meter
- Pipe With End Section
- Pipe With Headwall
- Pipe Without End Section
- Playground Slide
- Playground Swing
- Power And Light Pole
- Power And Telephone Pole
- Power Meter
- Power Pole
- Power Pole And Transformer
- Power Tower Structure
- Propane Tank
- Property Pipe
- Property Pipe With Cap
- Property Stone
- Public Telephone
- Railroad Crossing Signal
- Railroad Milepost Marker
- Railroad Profile
- Railroad R.O.W. Marker
- Railroad Signs
- Railroad Switch
- Railroad Track
- Railroad Trestle
- Rebar
- Rebar With Cap
- Reference Mark
- Regulatory Sign One Post
- Regulatory Sign Two Post
- Retaining Wall
- Riprap
- River Edge
- Rock And Wire Baskets
- Rockpiles
- Satellite Dish
- Septic Tank
- Shrub Tree
- Sidewalk
- Sign Face
- Sign Post
- Slough Or Marsh
- Spring
- Stream Gauge
- Street Marker
- Subsurface Utility Exploration Test Hole
- Telephone Fiber Optics — T/F —
- Telephone Junction Box
- Telephone Pole
- Television Cable Jct Box
- Television Tower
- Test Wells/Bore Holes
- Traffic Signal
- Trash Barrel
- Tree Belt
- Tree Coniferous
- Tree Deciduous
- Tree Stumps
- Triangulation Station
- Underground Electric Line — P —
- Underground Gas Line — G —
- Underground High Pressure Gas Line — HG —
- Underground Sanitary Sewer — S —
- Underground Storm Sewer — S —
- Underground Tank
- Underground Telephone Line — T —
- Underground Television Cable — TV —
- Underground Water Line — W —
- Warning Sign One Post
- Warning Sign Two Post
- Water Fountain
- Water Hydrant
- Water Meter
- Water Tower
- Water Valve
- Water Well
- Weir Rock
- Windmill
- Wingwall
- Witness Corner

- State and National Line
- County Line
- Section Line
- Quarter Line
- Sixteenth Line
- Property Line
- Construction Line
- R. O. W. Line
- New R. O. W. Line
- Cut and Fill Limits
- Control of Access
- New Control of Access
- Proposed ROW (After Property Disposal)

- Drainage Arrow

- Remove Concrete Pavement
- Remove Concrete Driveway Pavement
- Remove Asphalt Concrete Pavement
- Remove Concrete Sidewalk
- Remove Concrete Approach Pavement
- Remove Concrete Median Pavement
- Remove Concrete Curb
- Remove Concrete Curb and Gutter
- Remove Concrete Gutter

- Detectable Warning
- Pedestrian Push Button Pole and 30" x 48" Clear Space with 1.5% slope

Plot Scale - 1:200

Plotted From - trrc11626

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| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 8 | 26 |

Plotting Date: 08/02/2017

Plot Scale - 1:100.849

Sec. 35 - T2N - R7E

Begin Sidewalk
Sta. 10+00

End Sidewalk
Sta. 18+26

Philadelphia Street

North Street

Ramp H

Ramp G

Ramp D

Ramp C

Ramp C

Ramp A

Ramp B

Ramp B

Ramp F

Present U.S. Interstate Highway 190

217.30 '

266.90 '

75.00 '

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 18+26

N 16°19'00" E

N 14°22'24" E

N 21°12'11" E

N 15°25'39" E

N 14°30'01" E

Section Line

1/4 Line

North Street

Sec. 36 - T2N - R7E

PI 10+55.48
N 652147.27
E 1206751.63
Del 31°56'46" L
Dc 57°17'45"
T 28.62'
L 55.76'
R 100.00'

PI 11+55.43
N 652245.53
E 1206776.82
Del 6°49'47" R
Dc 57°17'45"
T 5.97'
L 11.92'
R 100.00'

PI 13+40.08
N 652417.69
E 1206843.60
Del 5°46'32" L
Dc 57°17'45"
T 5.04'
L 10.08'
R 100.00'

PI 16+56.29
N 652722.52
E 1206927.72
Del 0°55'38" L

Topsoil Stockpile (43 CY)

Plotted From - trrc111626

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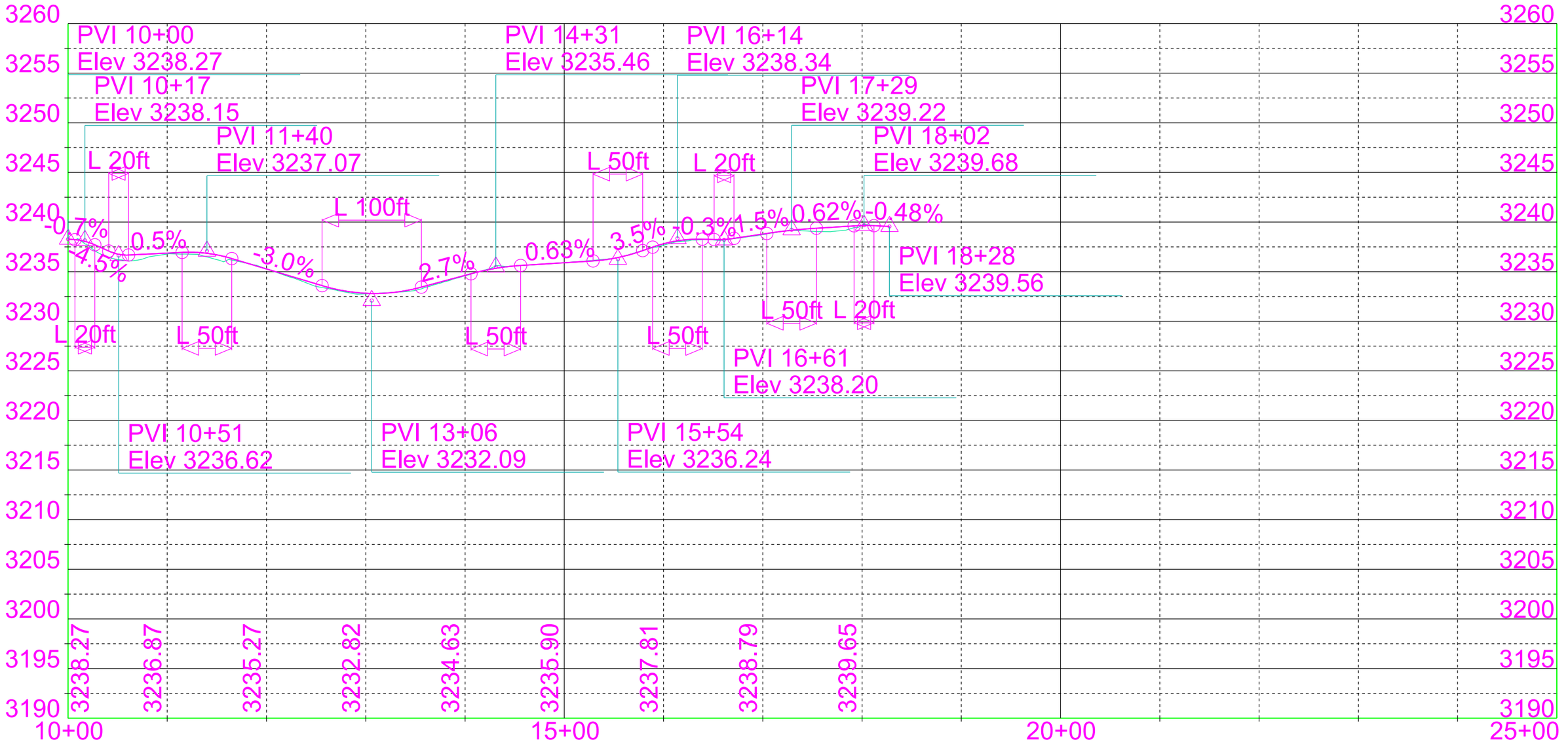
# SIDEWALK PROFILE

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 9 | 26 |

Plotting Date: 08/02/2017




Plot Scale - 1:100

Plotted From - trnc11626

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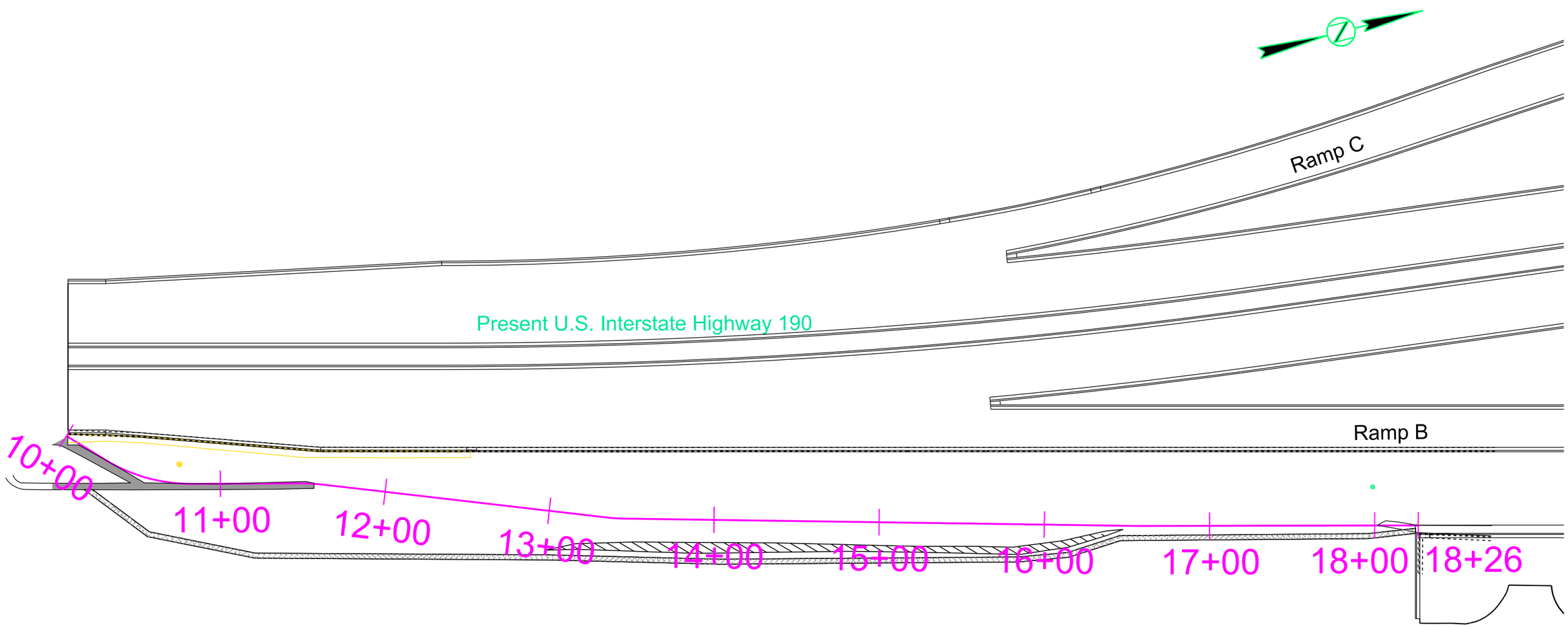
# SIDEWALK REMOVAL LAYOUT

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 10 | 26 |

Plotting Date: 08/02/2017




Available Topsoil (43 CY)

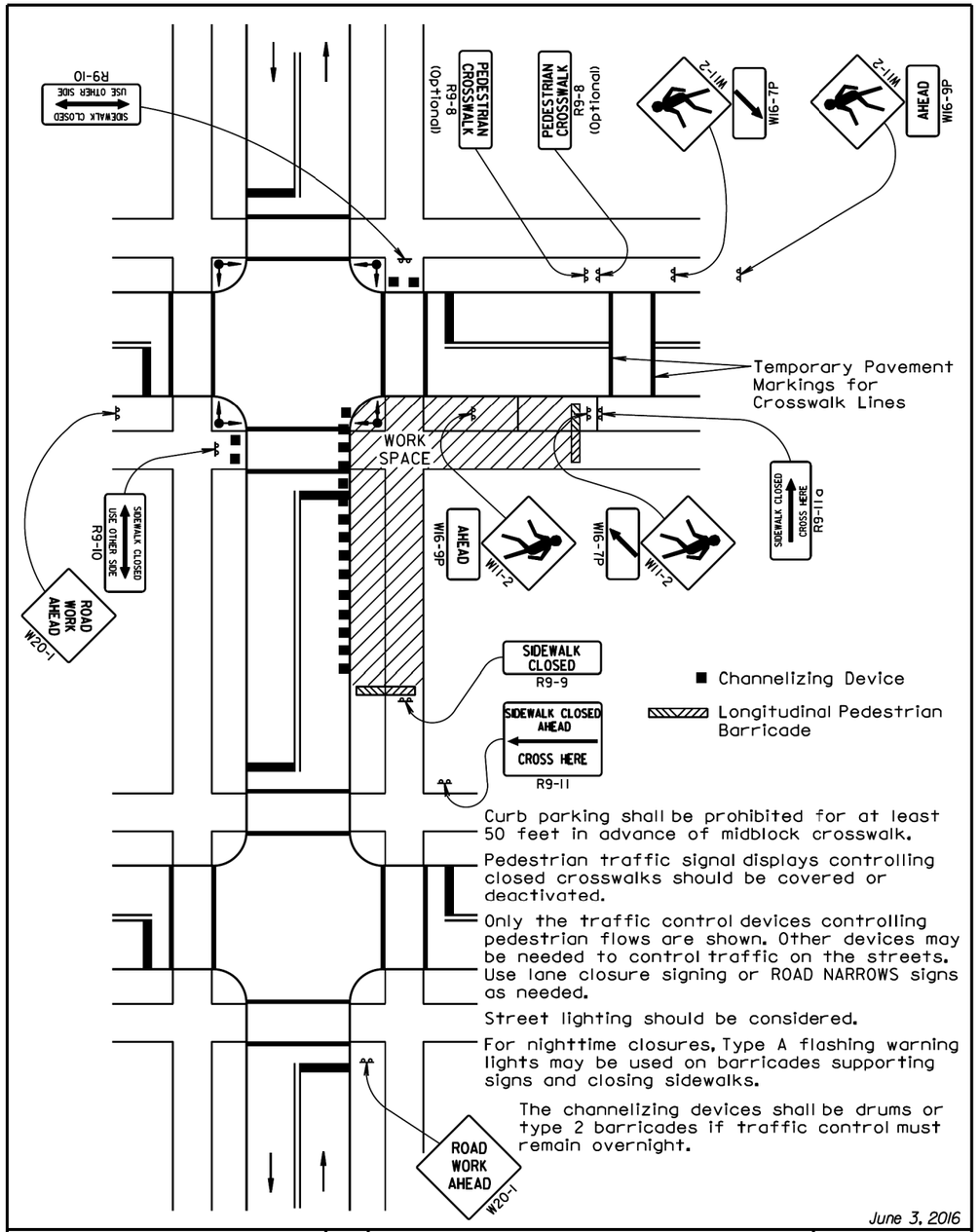
Remove Concrete Sidewalk

Remove Temporary Pedestrian Access Route

Plot Scale - 1:40
trrc11626
Plotted From -
File - ...\pavementremoval.dgn

| STATE OF SOUTH DAKOTA | PROJECT | SHEET | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 11 | 26 |

Plotting Date: 08/07/2017




Curb parking shall be prohibited for at least 50 feet in advance of midblock crosswalk.

Pedestrian traffic signal displays controlling closed crosswalks should be covered or deactivated.

Only the traffic control devices controlling pedestrian flows are shown. Other devices may be needed to control traffic on the streets. Use lane closure signing or ROAD NARROWS signs as needed.

Street lighting should be considered.

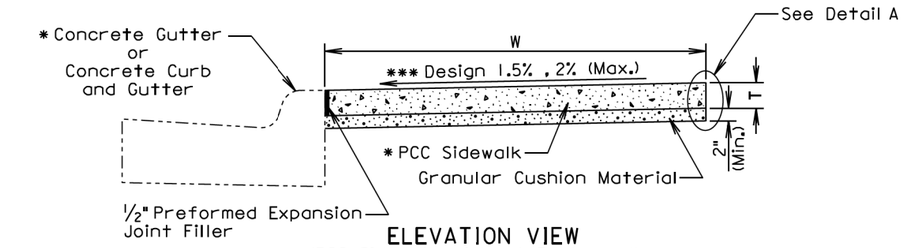
For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing sidewalks.

The channelizing devices shall be drums or type 2 barricades if traffic control must remain overnight.

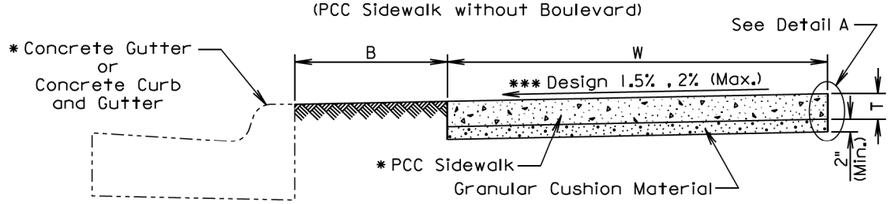
*June 3, 2016*

| | | | |
|---|---|---|---|
| ***Published Date: 3rd Qtr. 2017*** | SDDOT | ***GUIDES FOR TRAFFIC CONTROL DEVICES SIDEWALK CLOSURES AND PEDESTRIAN DETOURS*** | ***PLATE NUMBER 634.33*** <br> *Sheet 1 of 1* |

Plot Scale - 1:200
- Plotted From - trnc11626
File - ...\s63433.dgn

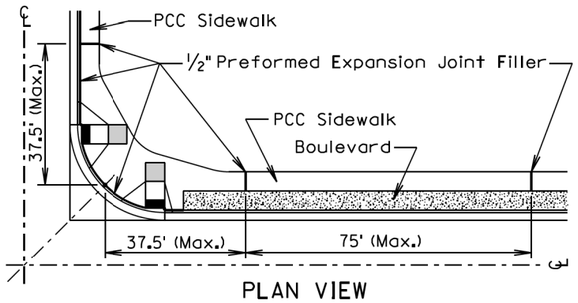



ELEVATION VIEW
(PCC Sidewalk without Boulevard)




ELEVATION VIEW
(PCC Sidewalk with Boulevard)

B Width of boulevard as specified in the plans.
T Thickness of PCC sidewalk as specified in the plans.
W Width of PCC sidewalk as specified in the plans.
* Type as specified in the plans.




PLAN VIEW

**GENERAL NOTES:**

The PCC sidewalk shall be constructed in accordance with Section 651 of the Specifications.

*** The cross slope of the sidewalk is designed at 1.5% and the maximum slope allowed is 2% unless specified otherwise in the plans.

The maximum length between expansion joints in PCC sidewalk is 75 feet.

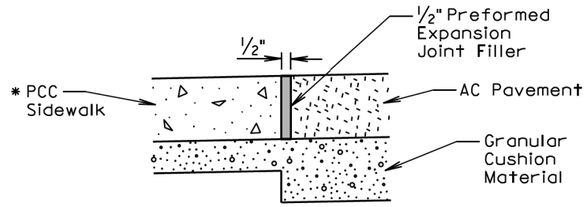
PCC sidewalk placed adjacent to intersection of roadways shall have an expansion joint placed transversely a maximum of 37.5 feet from the intersection. See PLAN VIEW.

An expansion joint in PCC sidewalk shall consist of a ½ inch thick preformed expansion joint filler material placed full depth and width of the PCC sidewalk.

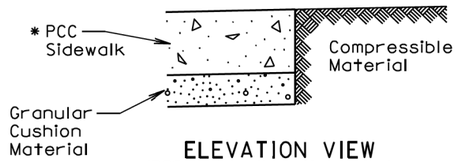
** Large areas of PCC pavement adjacent to PCC sidewalk may require a different joint treatment than shown in the detail. If a different joint detail is necessary, plans will contain the joint detail and the Contractor shall construct the joint treatment in accordance with the plans.

*September 6, 2015*

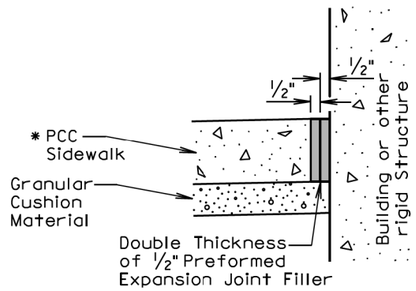
| Published Date: 3rd Qtr. 2017 | SDDOT | PCC SIDEWALK | PLATE NUMBER 651.75 |
|---|---|---|---|
| | | | Sheet 1 of 2 |



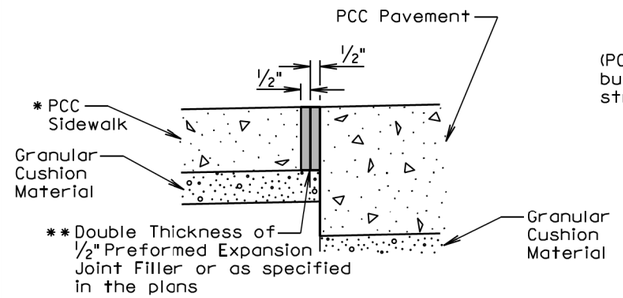

ELEVATION VIEW
(PCC sidewalk adjacent to asphalt concrete pavement)




ELEVATION VIEW
(PCC sidewalk adjacent to earthen material, landscape rock, or other compressible materials)




ELEVATION VIEW
(PCC sidewalk adjacent to building or other rigid structure)




ELEVATION VIEW
(PCC sidewalk adjacent to PCC pavement)

Detail A
(Use Appropriate Detail(s))

*September 6, 2015*

| Published Date: 3rd Qtr. 2017 | SDDOT | PCC SIDEWALK | PLATE NUMBER 651.75 |
|---|---|---|---|
| | | | Sheet 2 of 2 |


Plot Scale - 1:200
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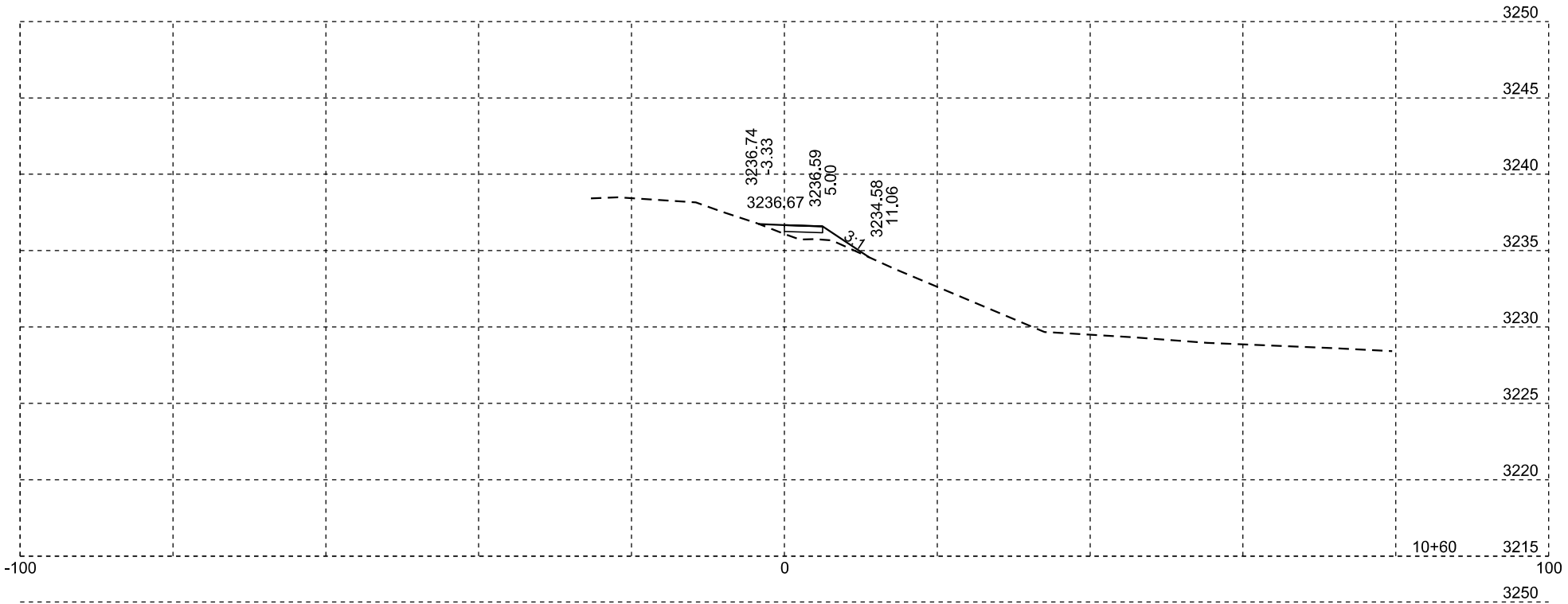
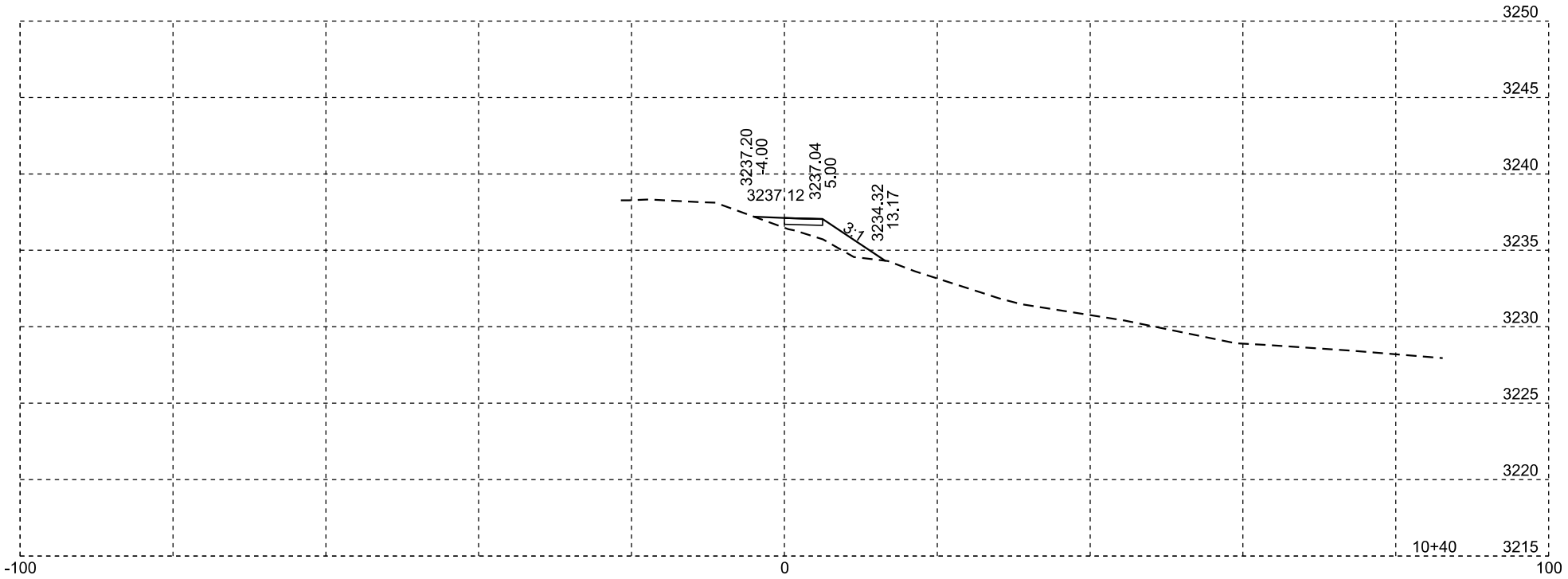
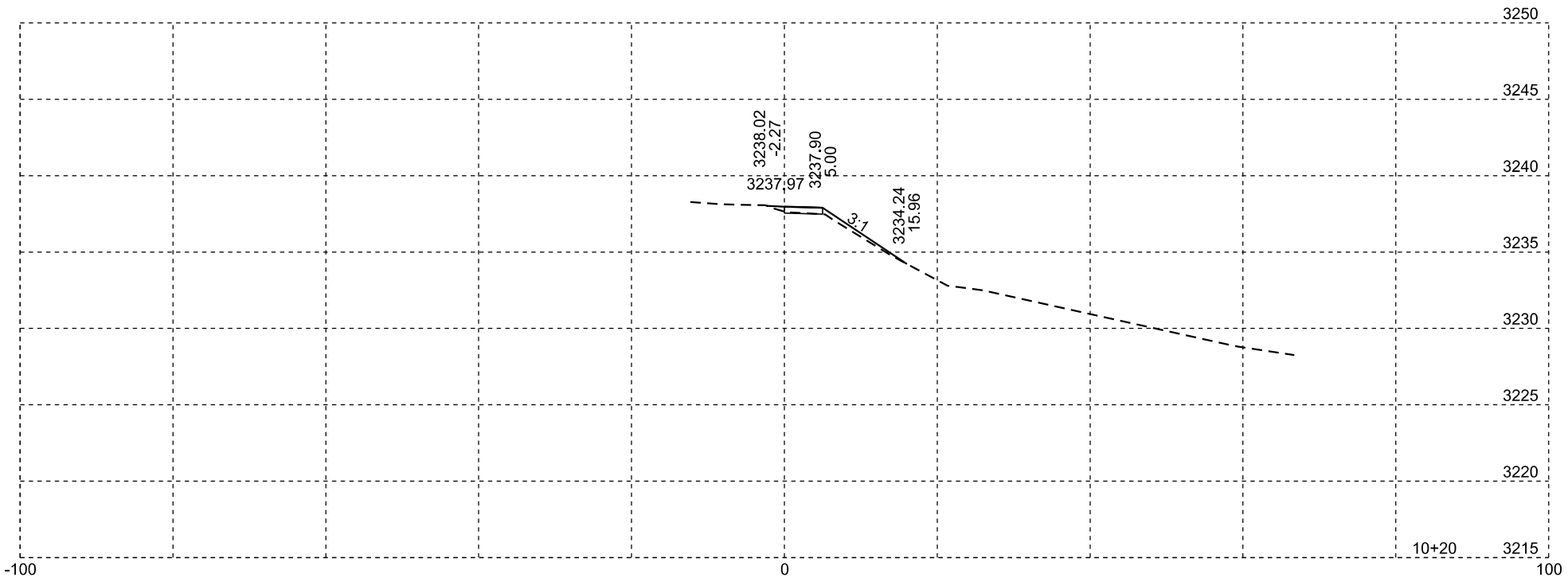
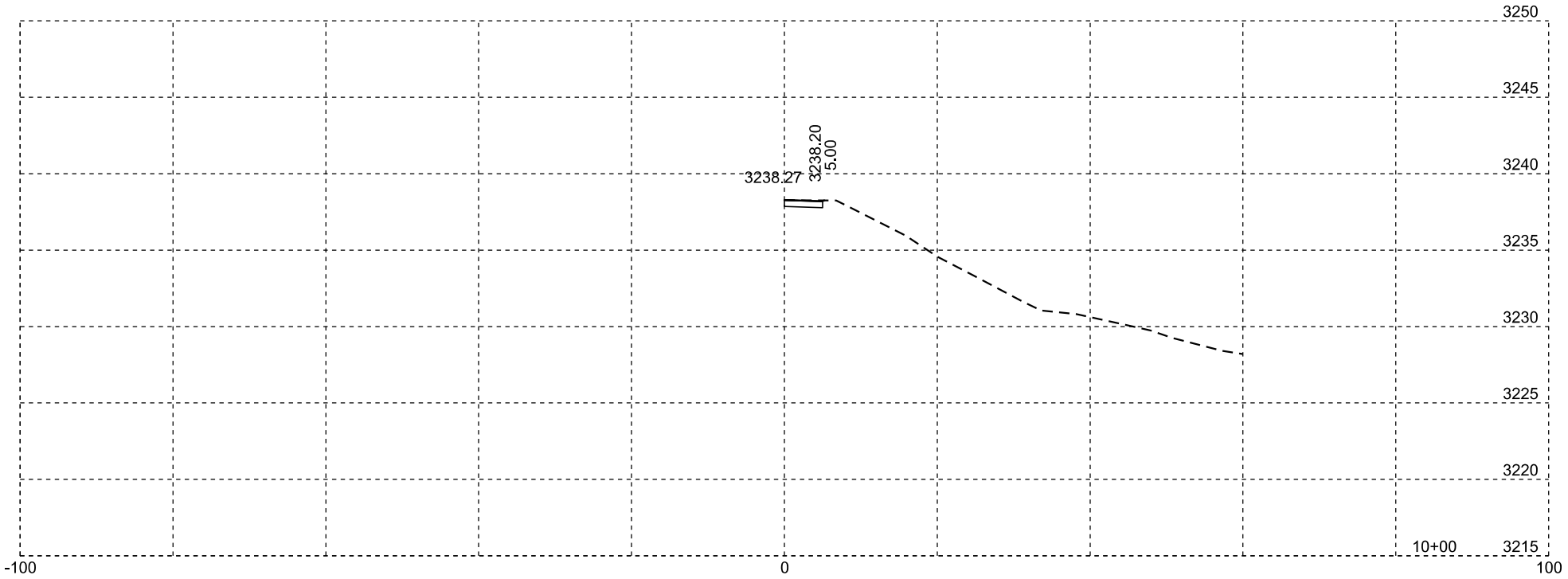


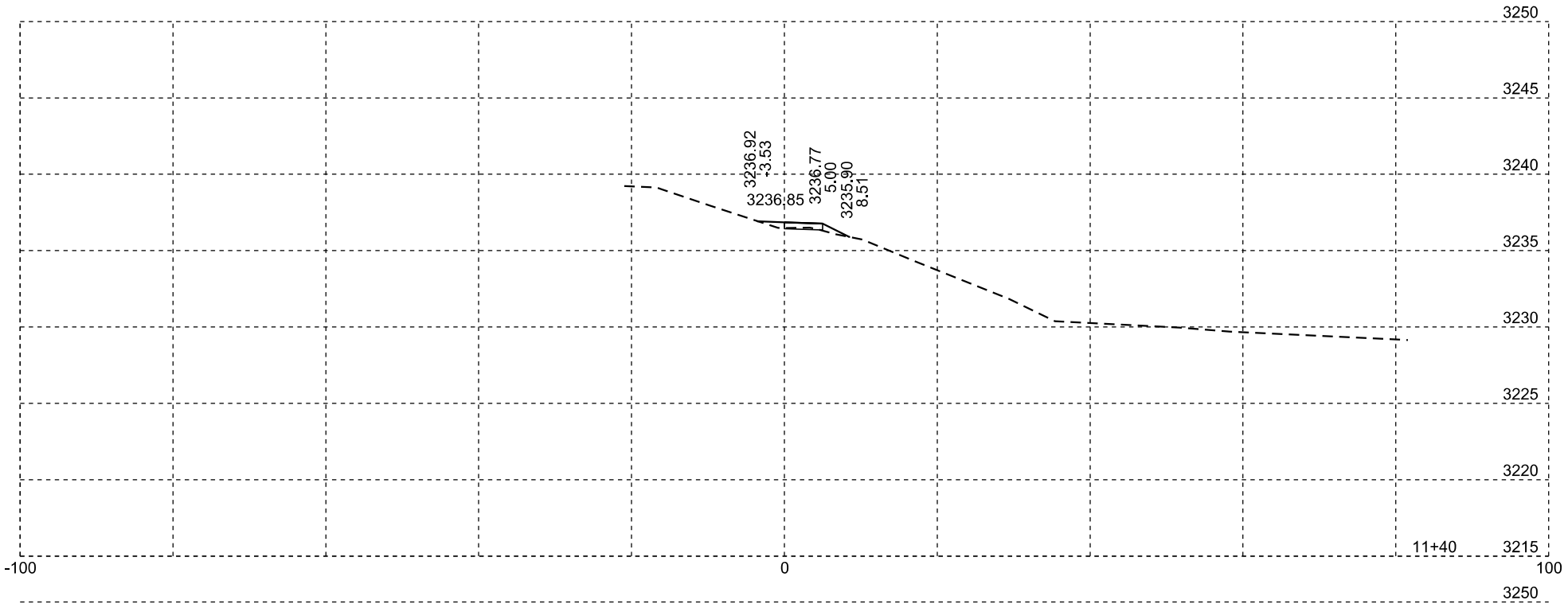



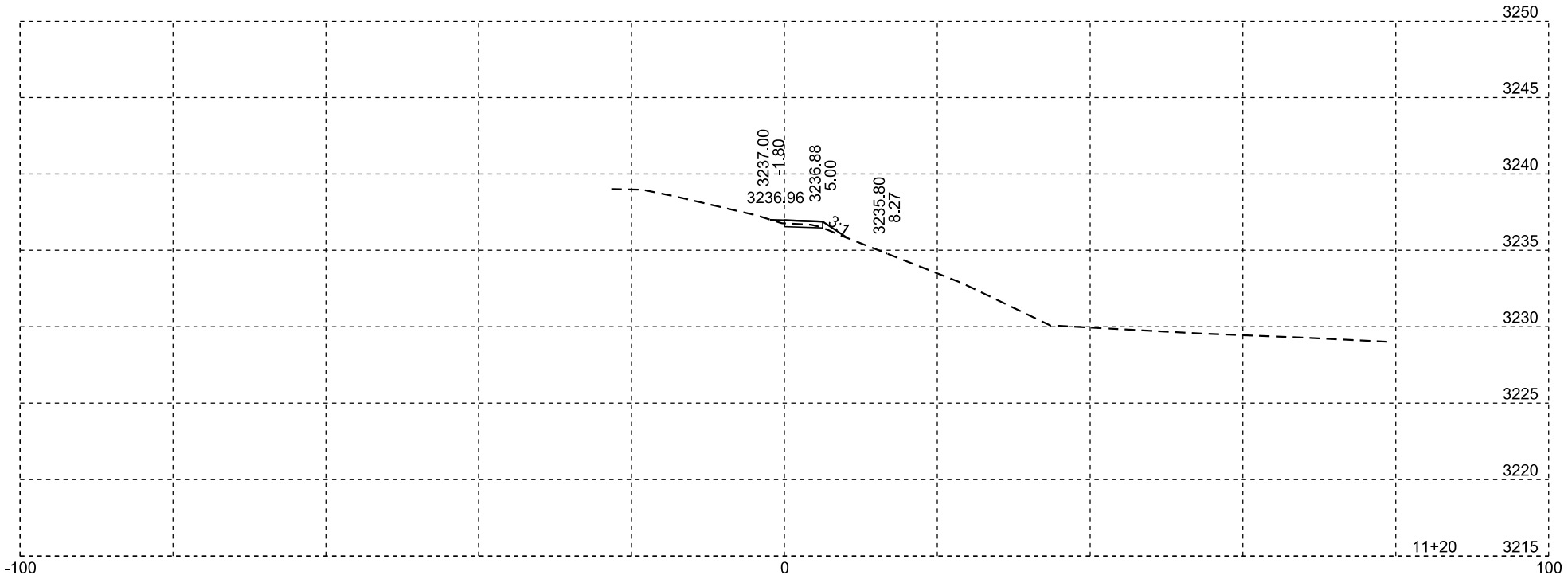



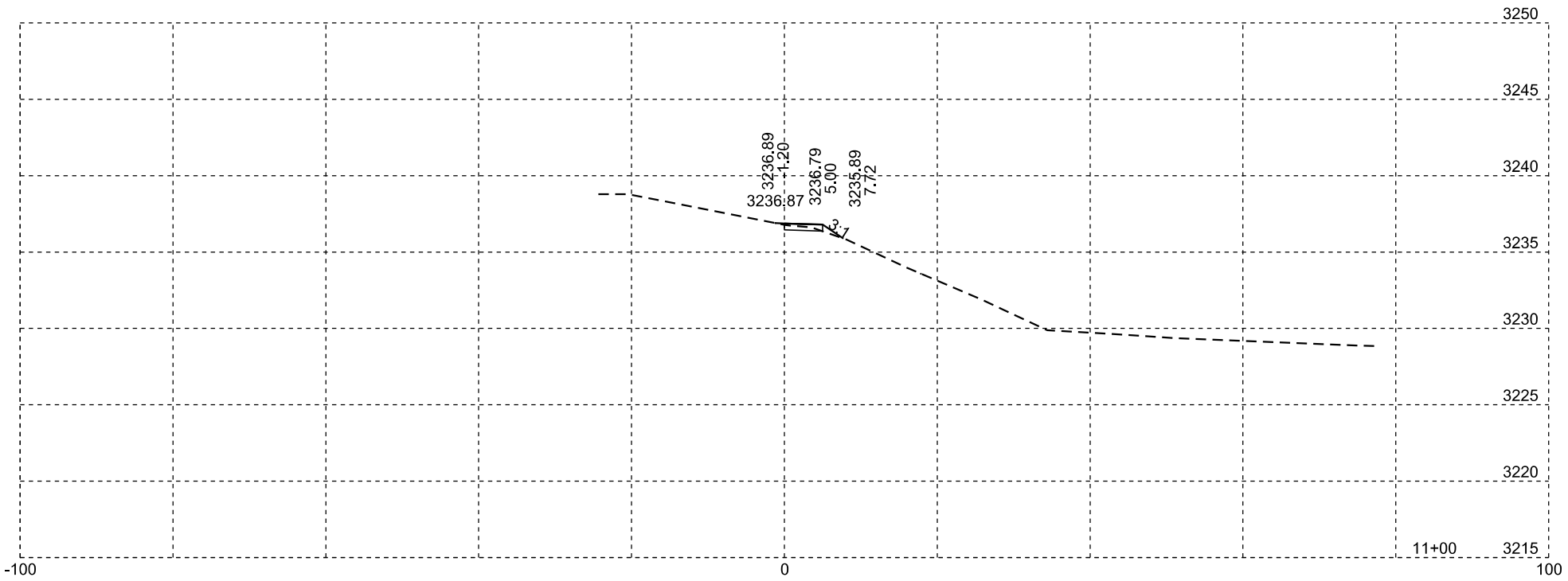



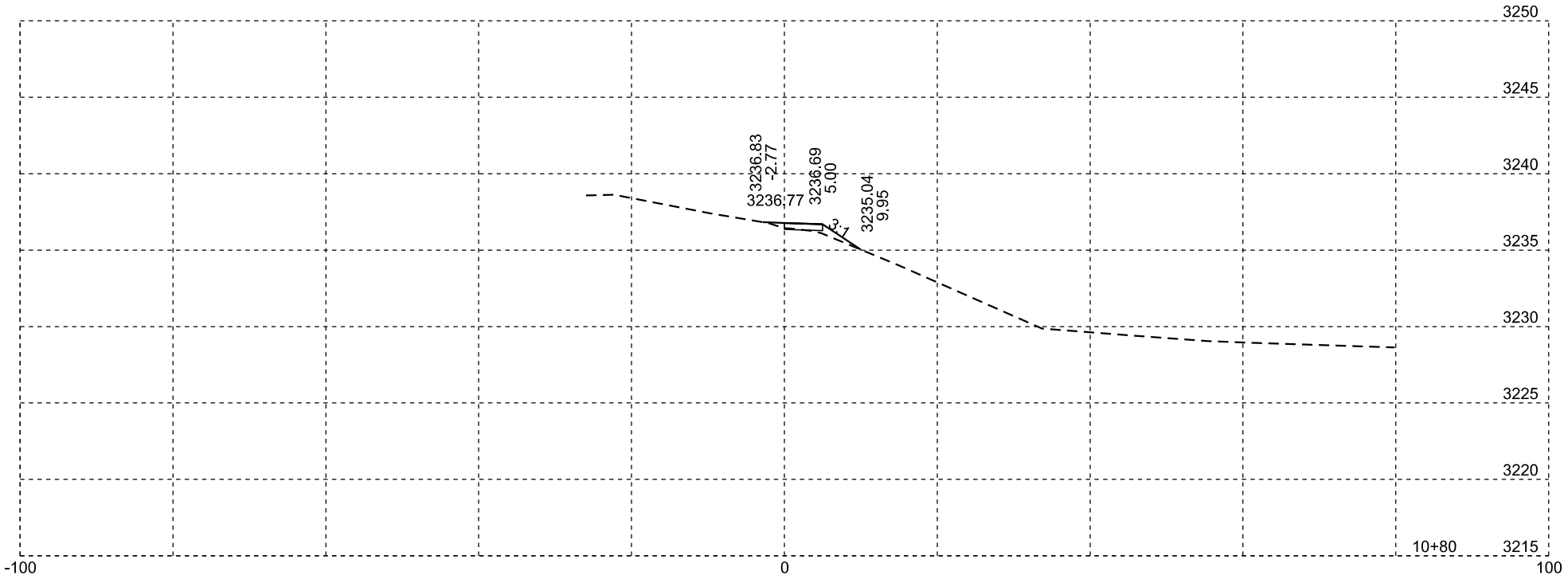

Plotting Date: 08/02/2017

| STATE OF SOUTH DAKOTA | PROJECT | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| | 190-452 | 13 | 26 |




Plotting Date: 08/02/2017

| STATE OF SOUTH DAKOTA | PROJECT | SHEET NO. | TOTAL SHEETS |
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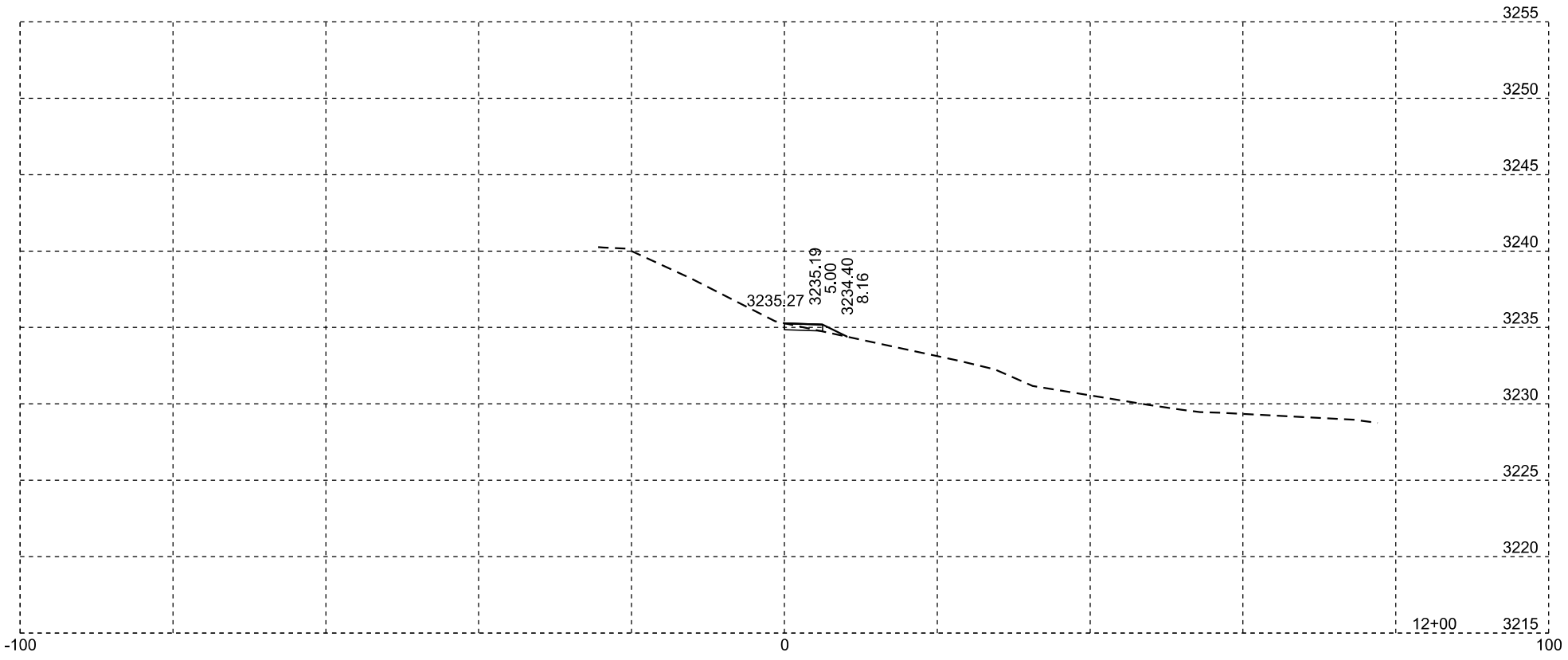


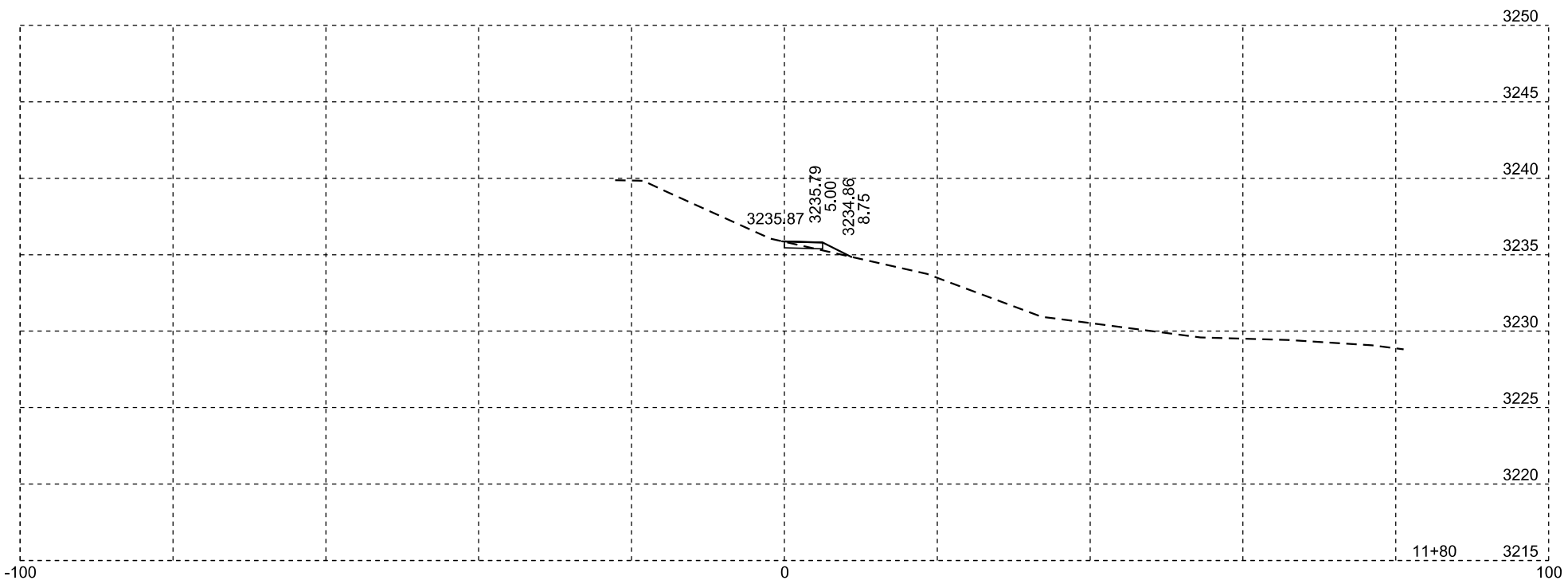


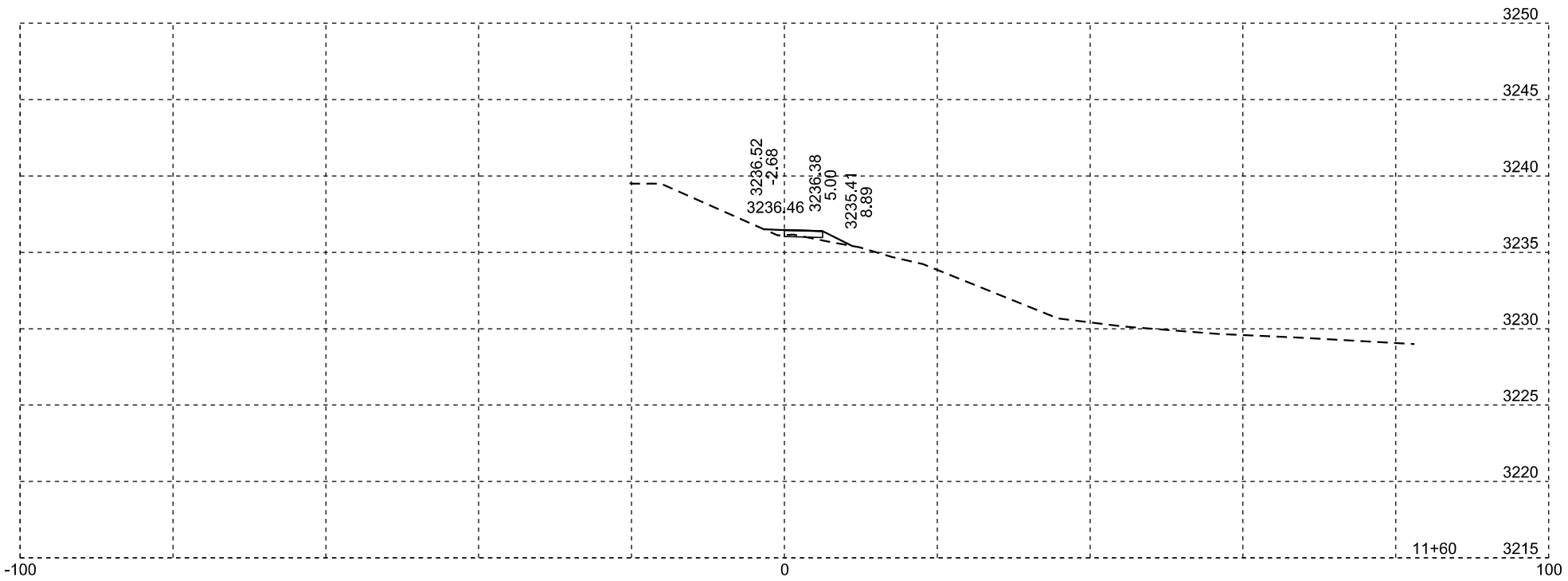


Plotting Date: 08/02/2017

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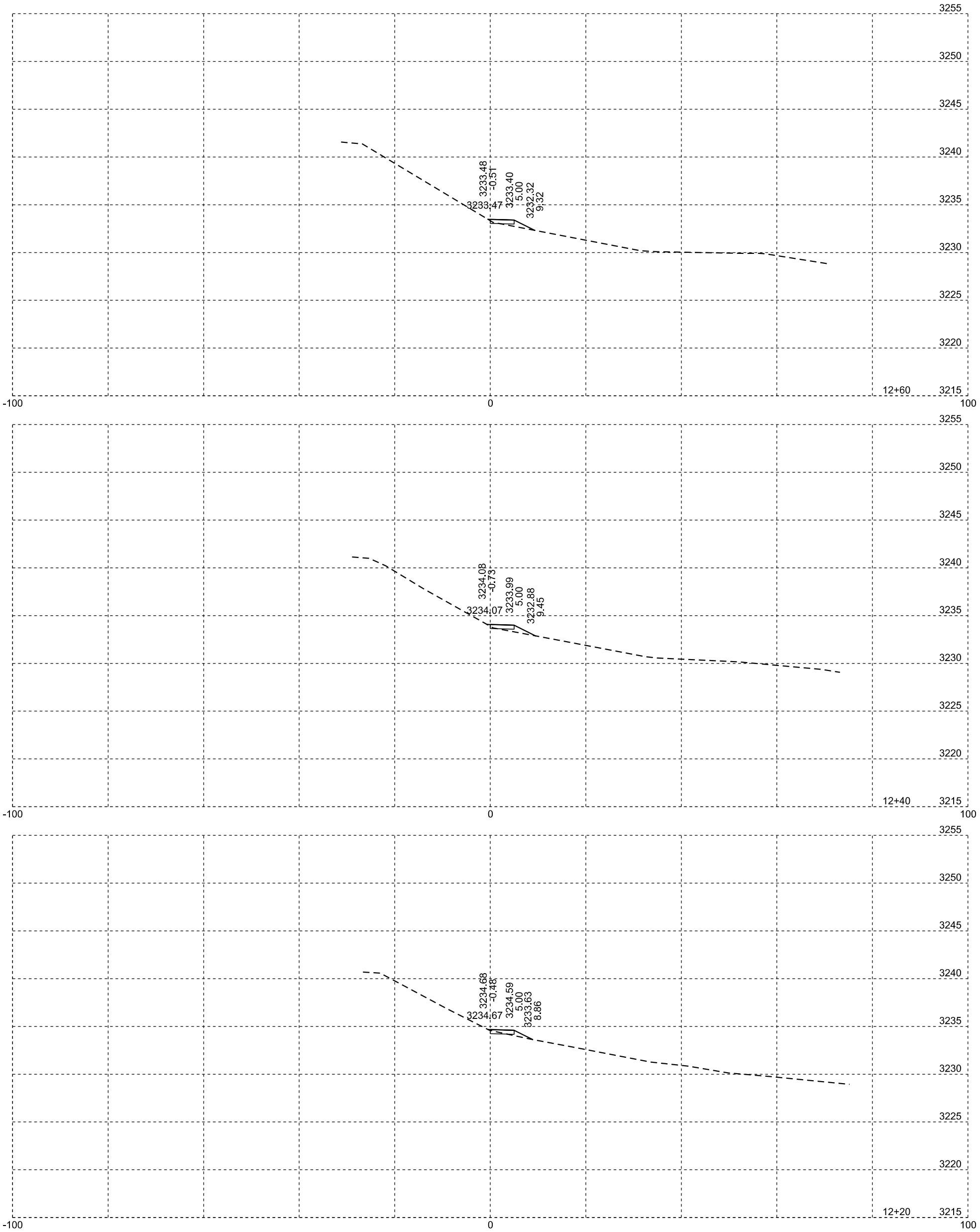


Plotting Date: 08/02/2017

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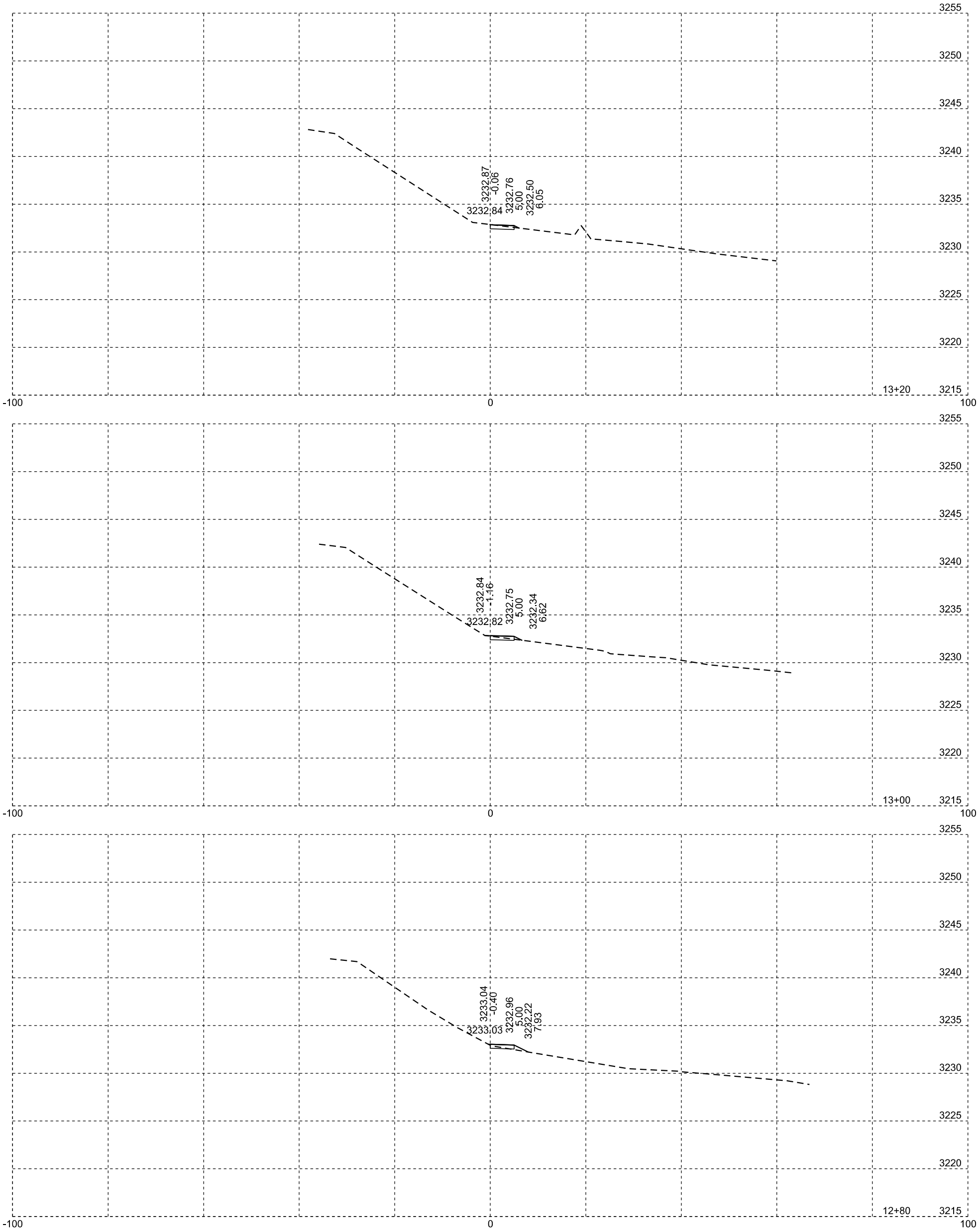


Plotting Date: 08/02/2017

| STATE OF SOUTH DAKOTA | PROJECT | SHEET NO. | TOTAL SHEETS |
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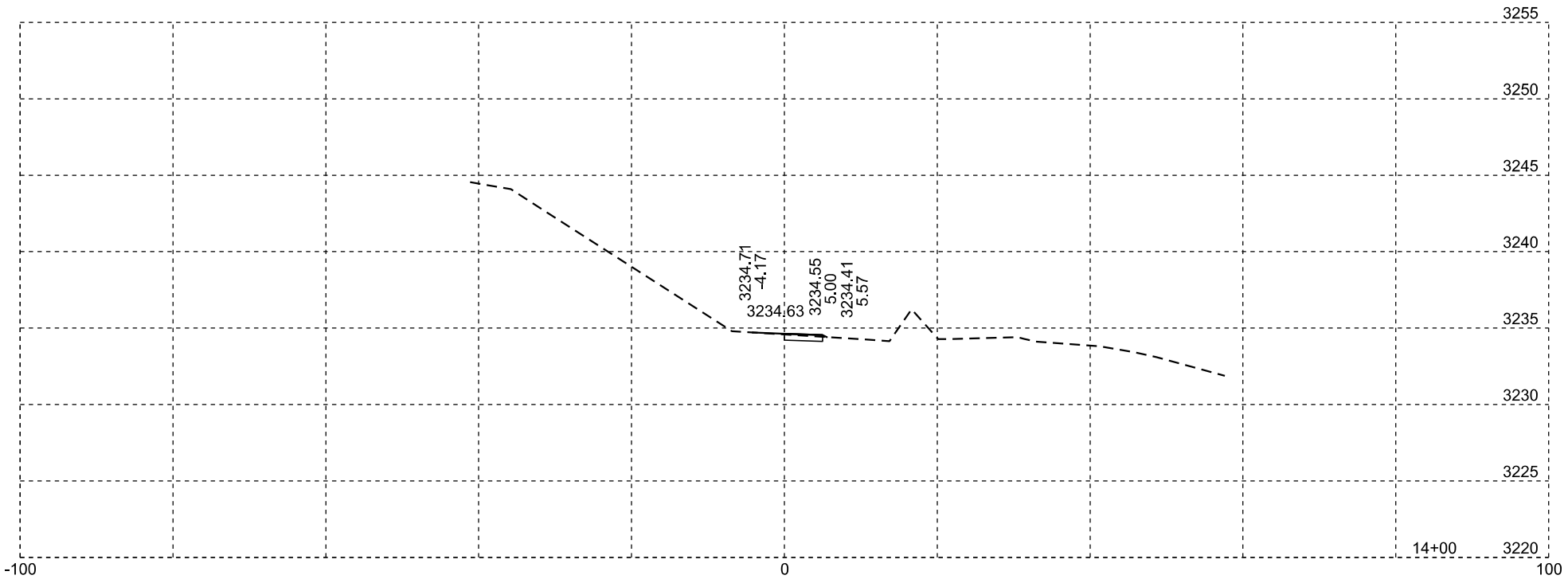


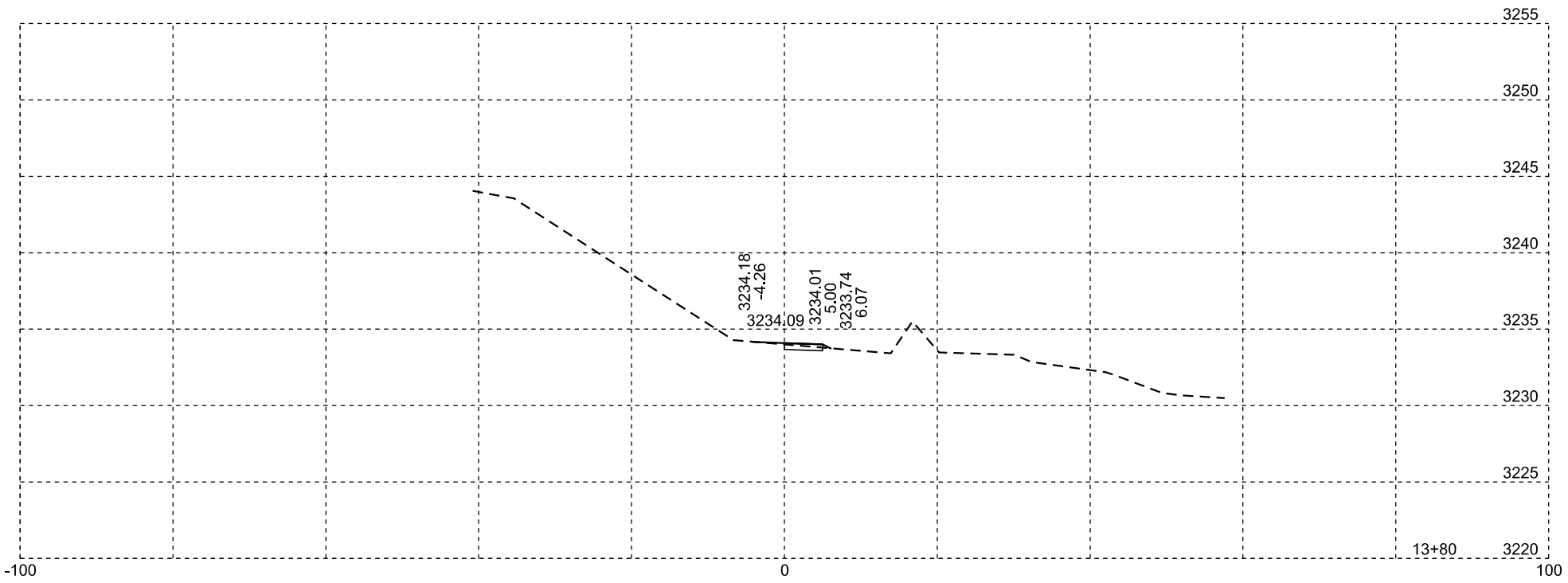


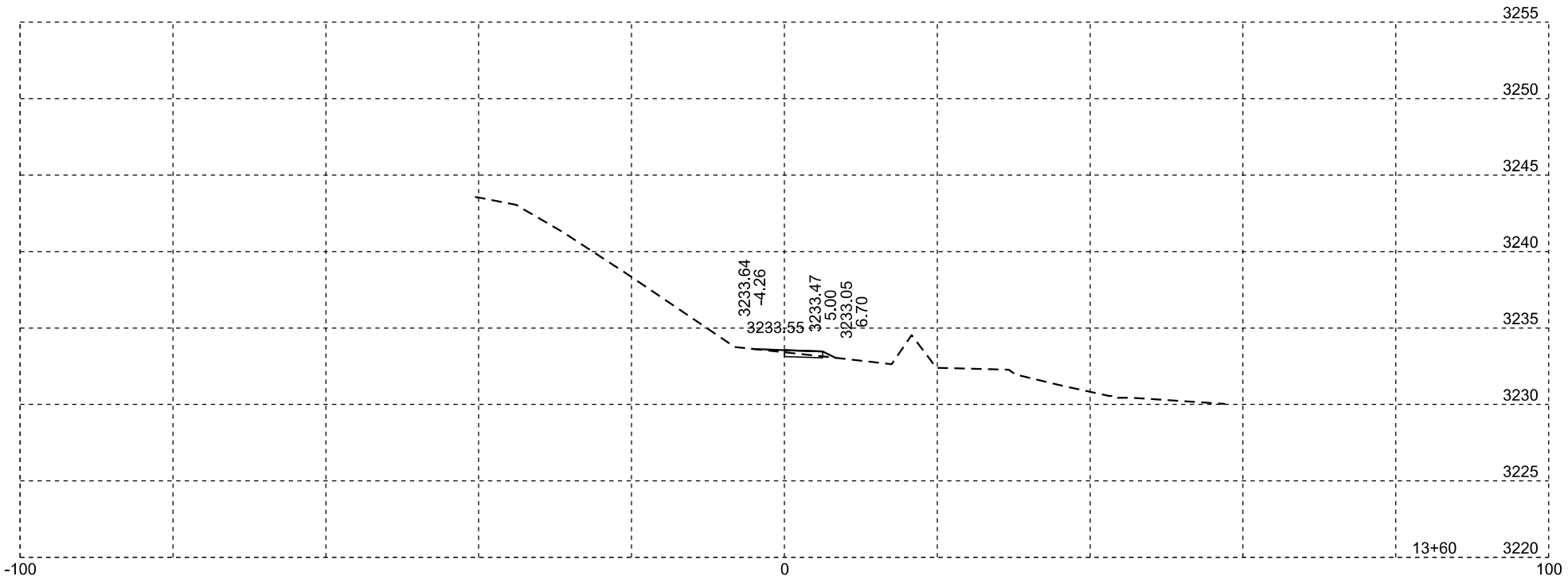


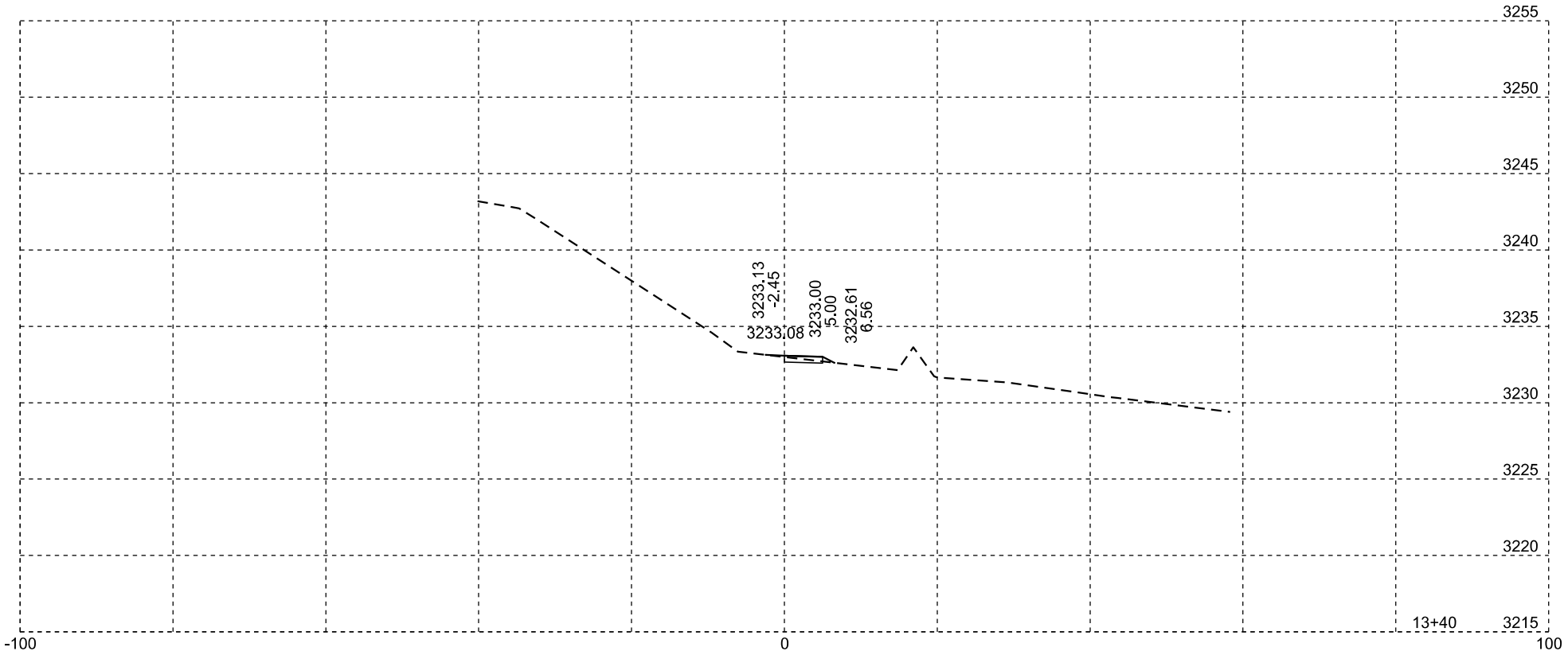


Plotting Date: 08/02/2017

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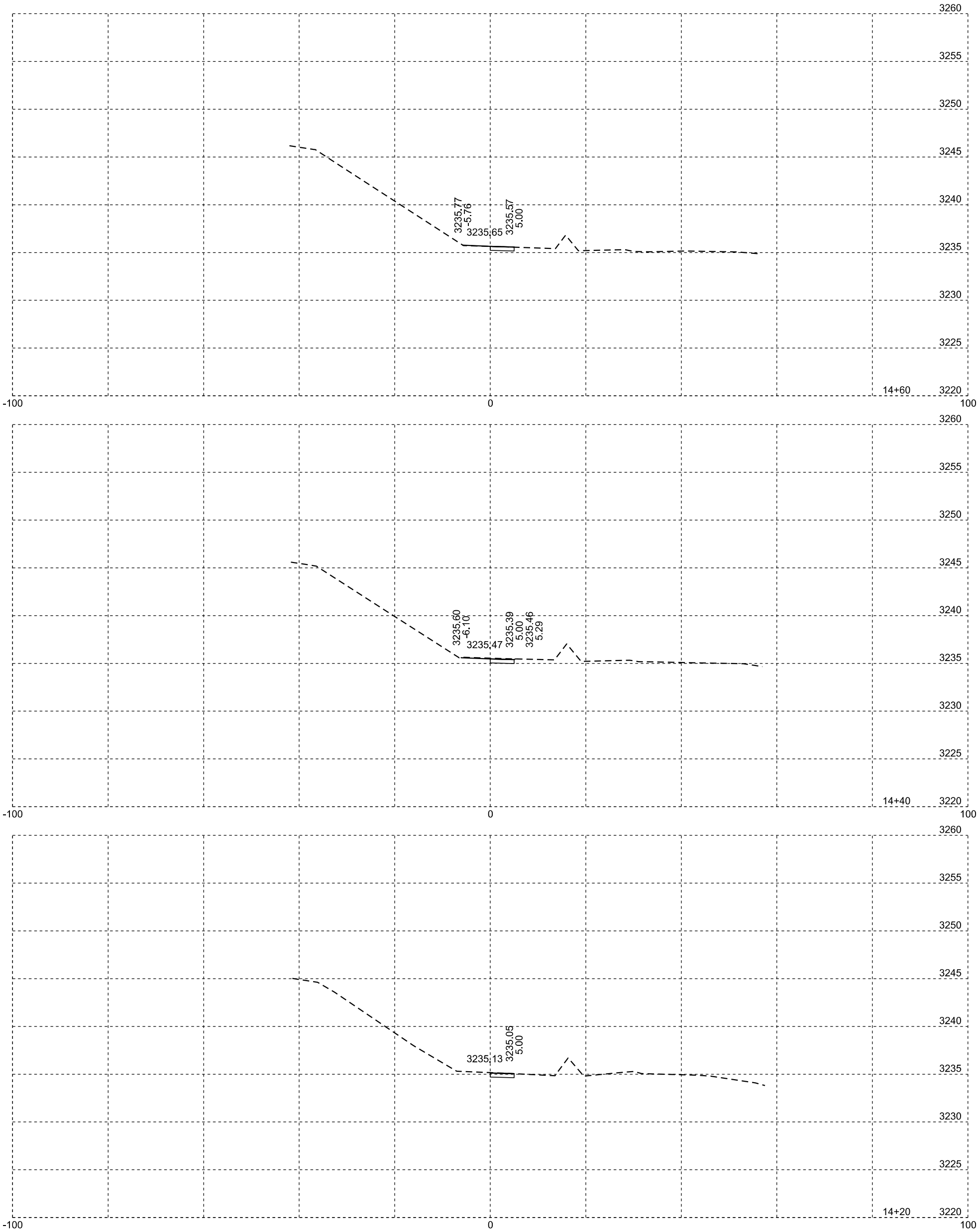


Plotting Date: 08/02/2017

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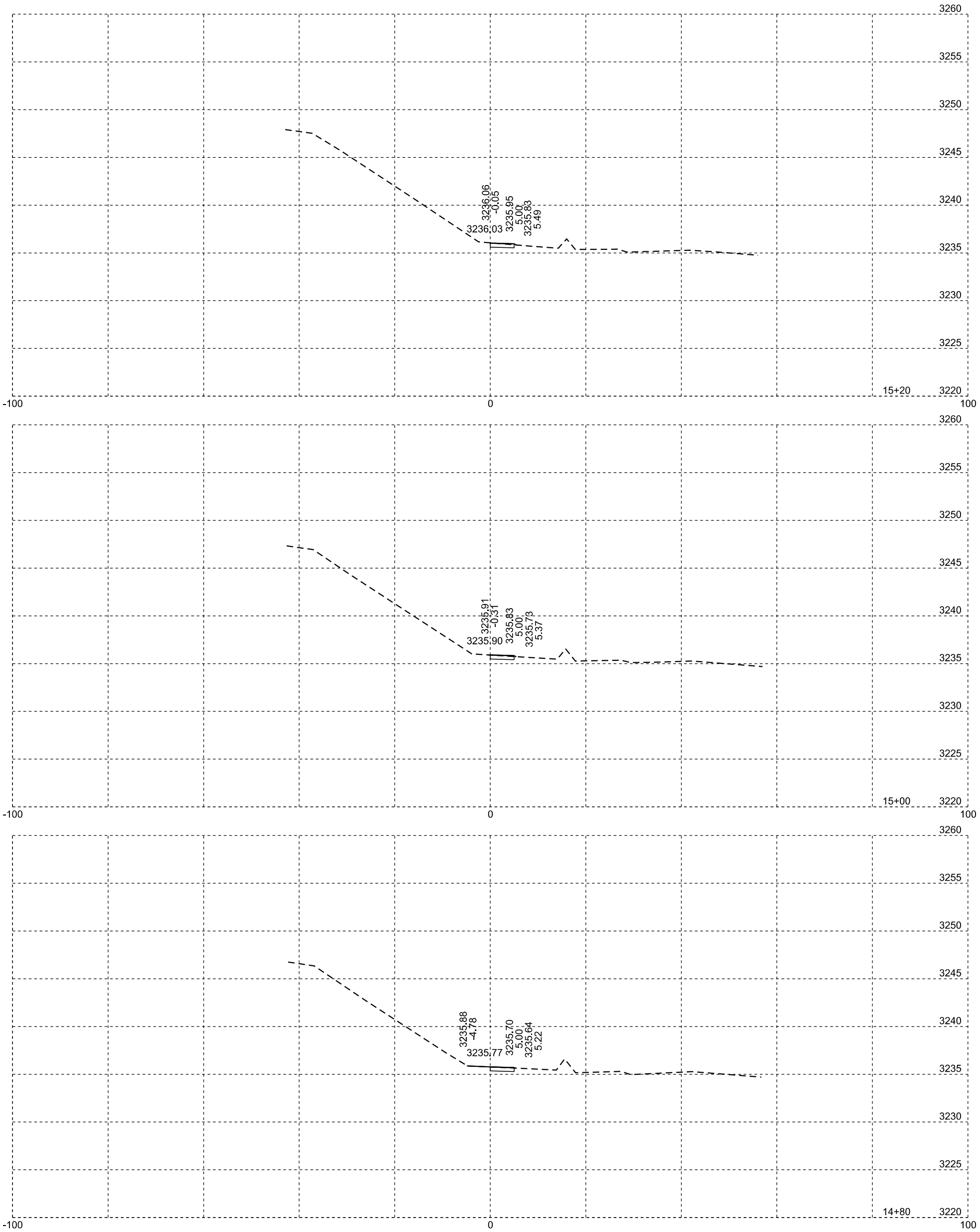


Plotting Date: 08/02/2017

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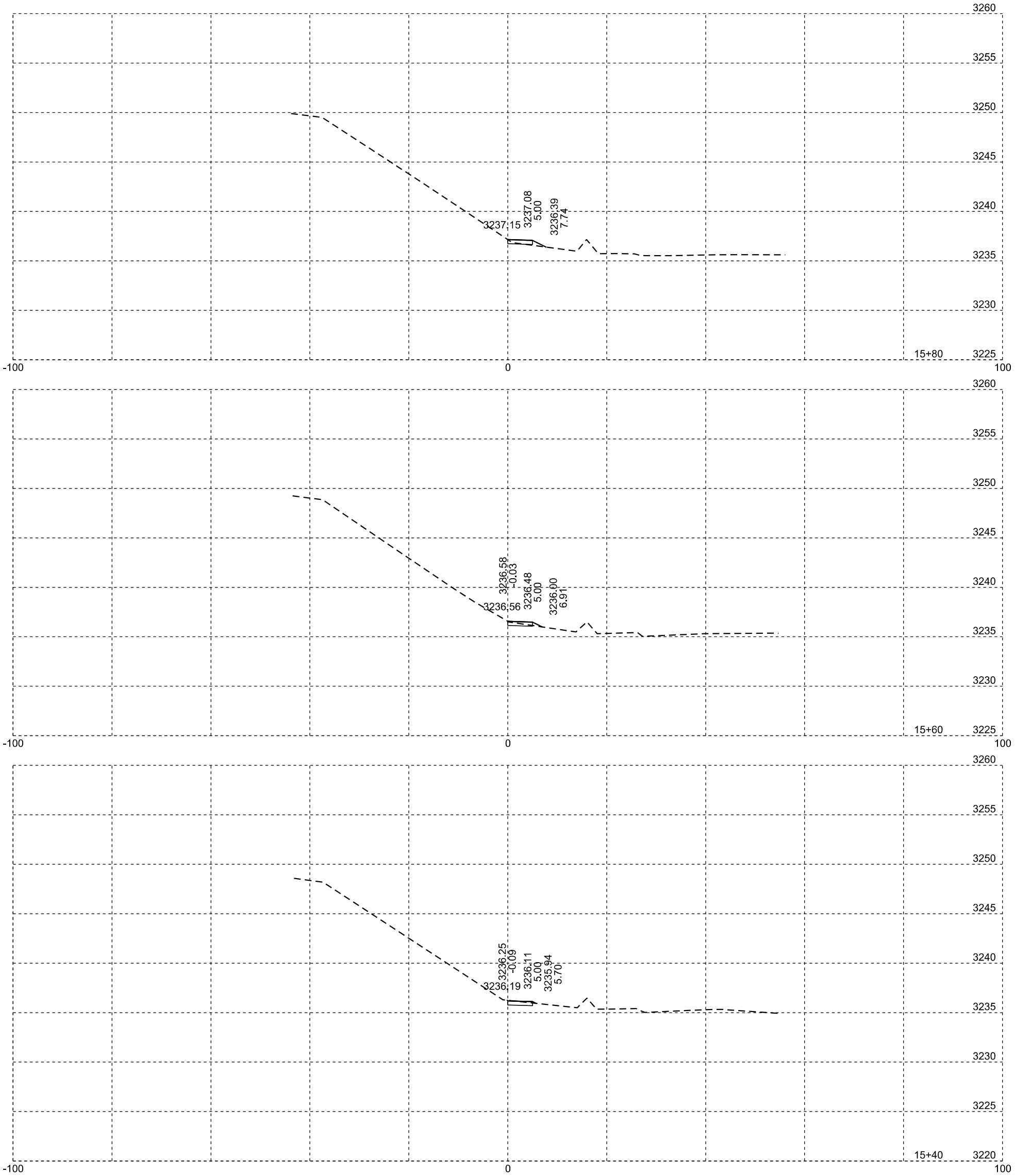


Plotting Date: 08/02/2017

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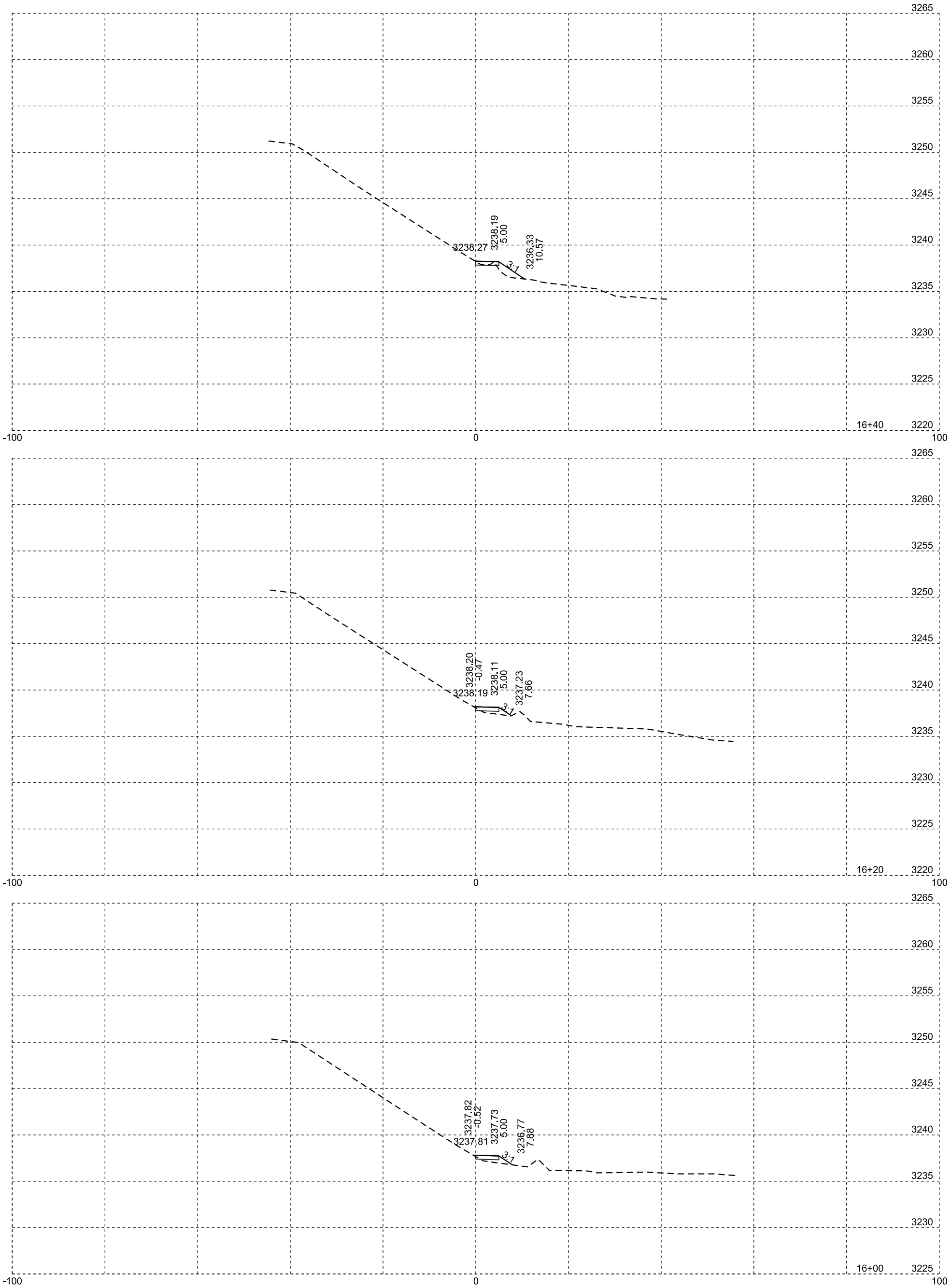


Plotting Date: 08/02/2017

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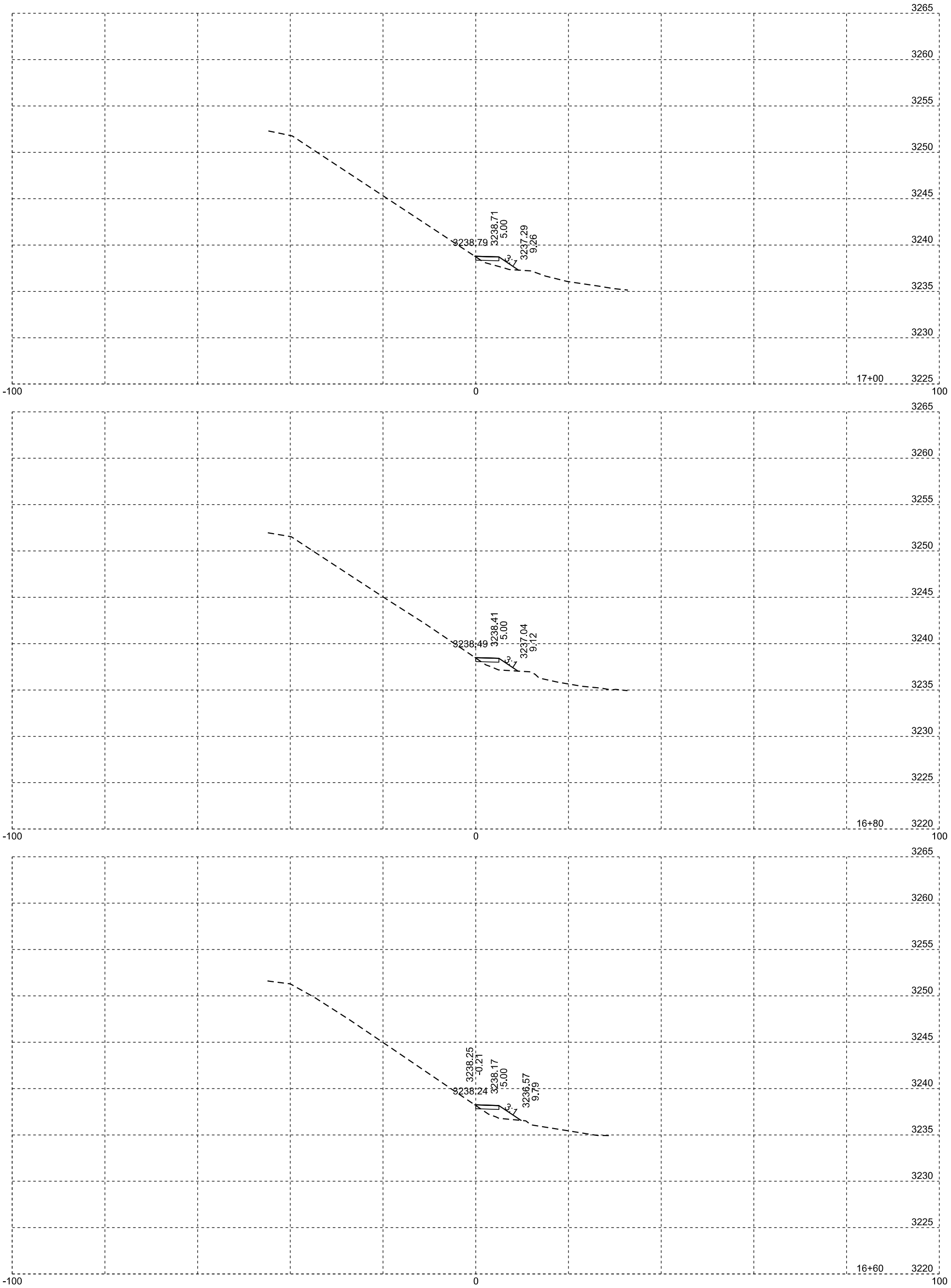


Plotting Date: 08/02/2017

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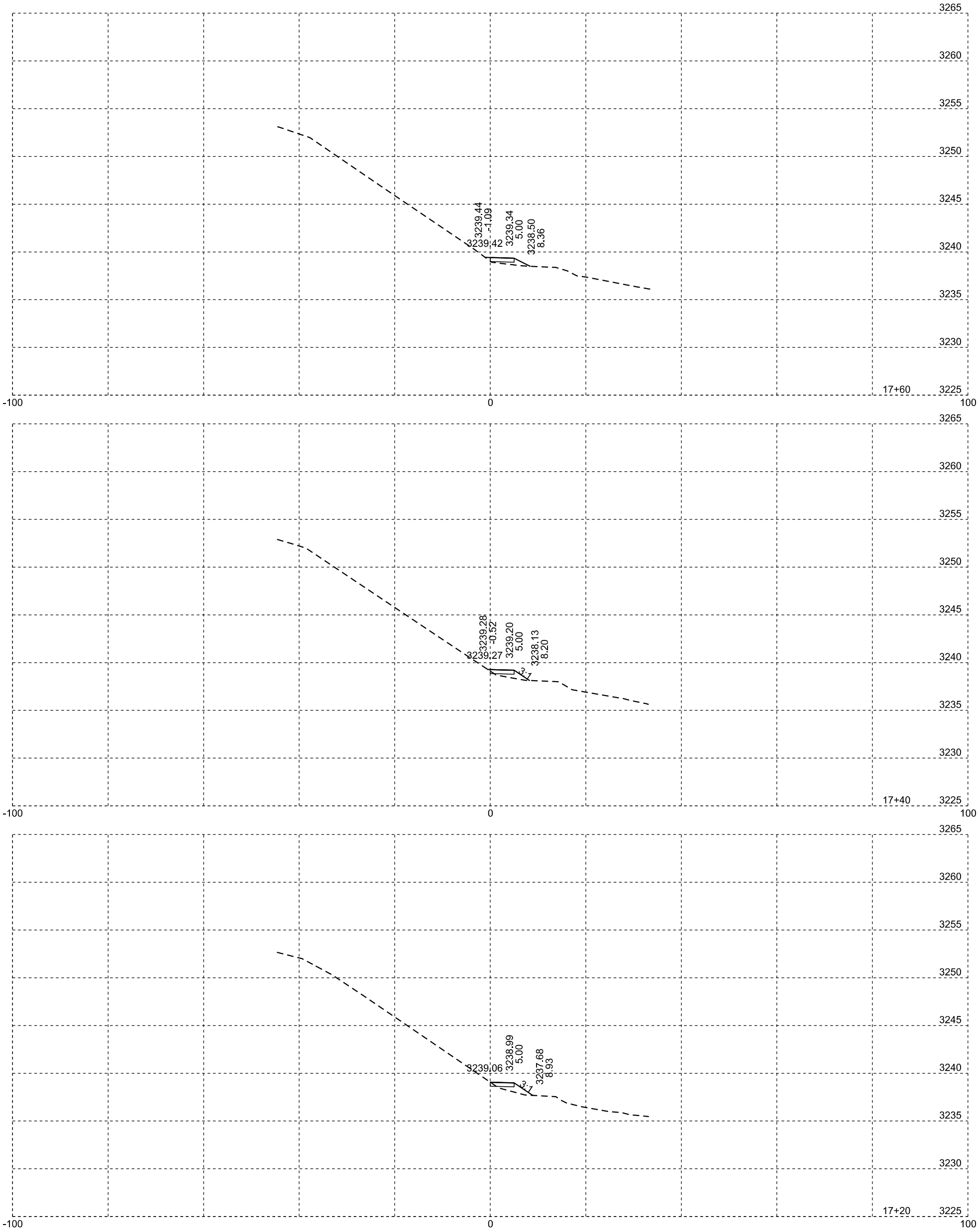


Plotting Date: 08/02/2017

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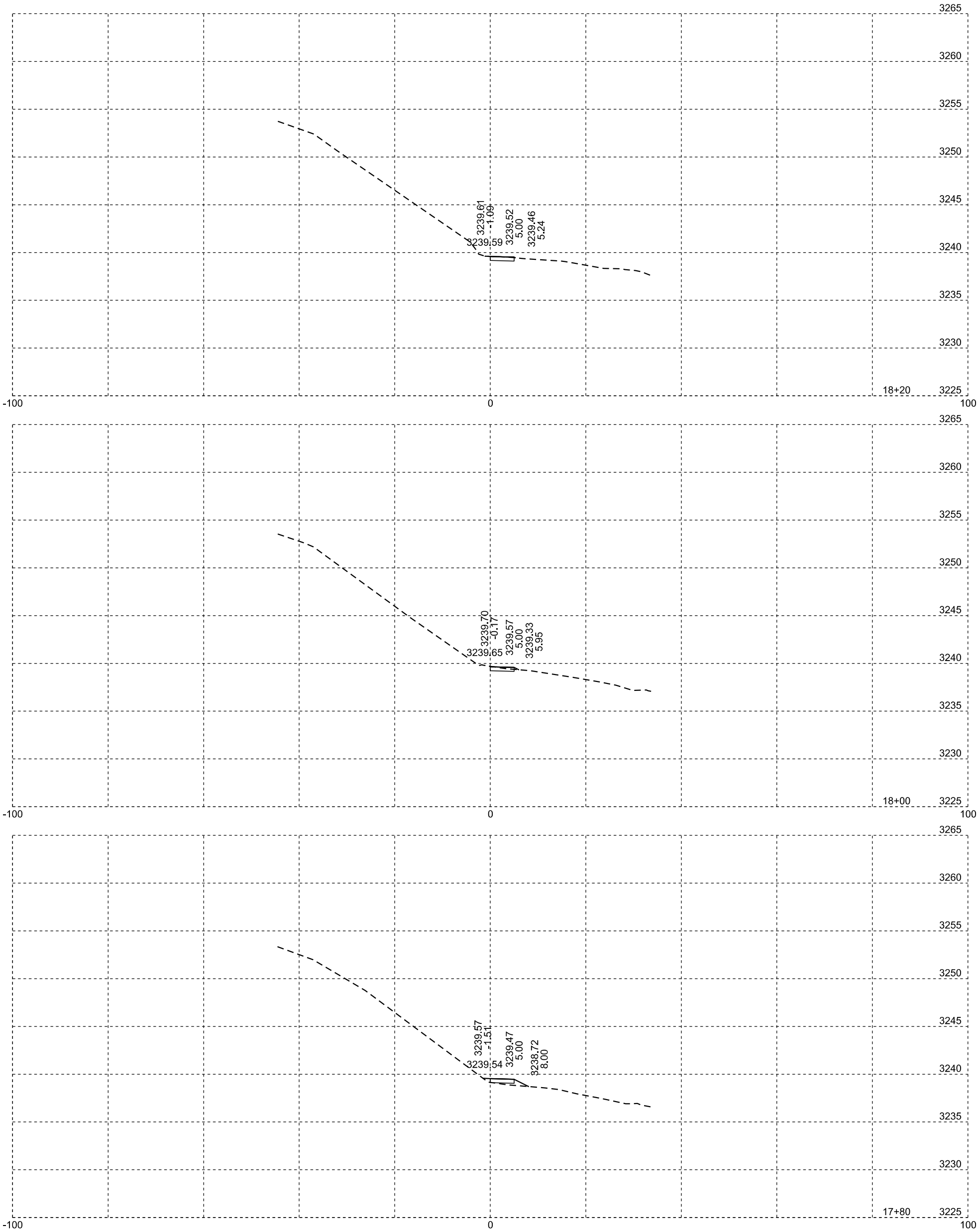


Plotting Date: 08/02/2017

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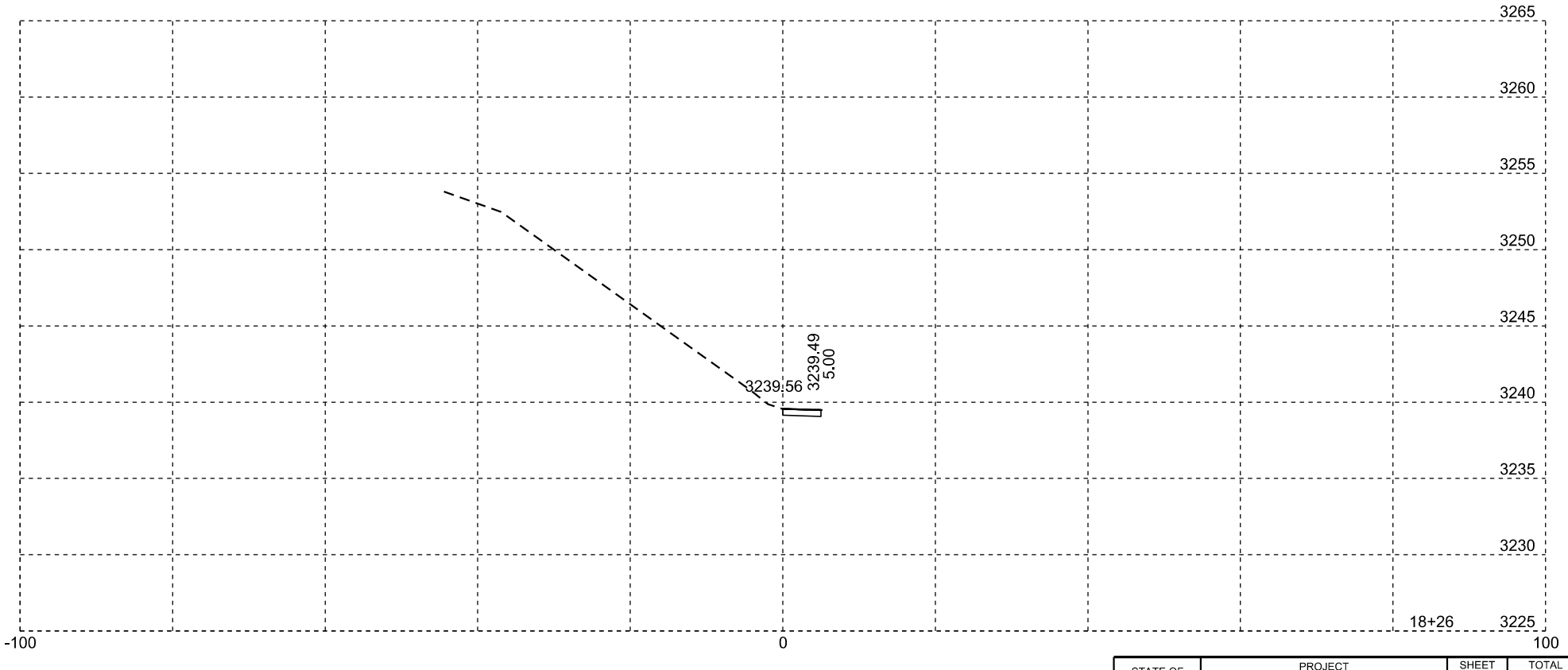


Plotting Date: 08/02/2017

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