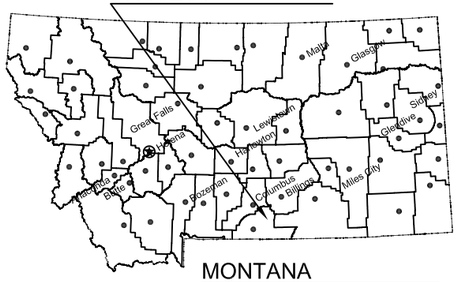
CLARK'S FORK OF THE YELLOWSTONE FAS SITE DEVELOPEMENT PROJECT

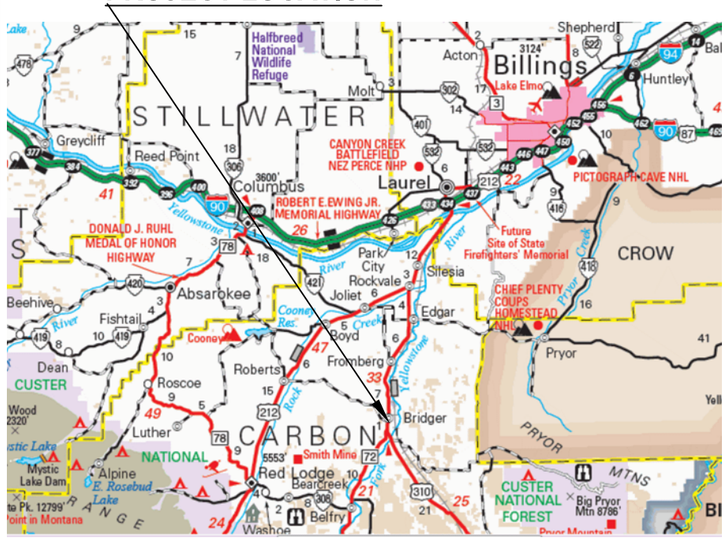
FWP # 7096719

PROJECT LOCATION



MONTANA

PROJECT LOCATION

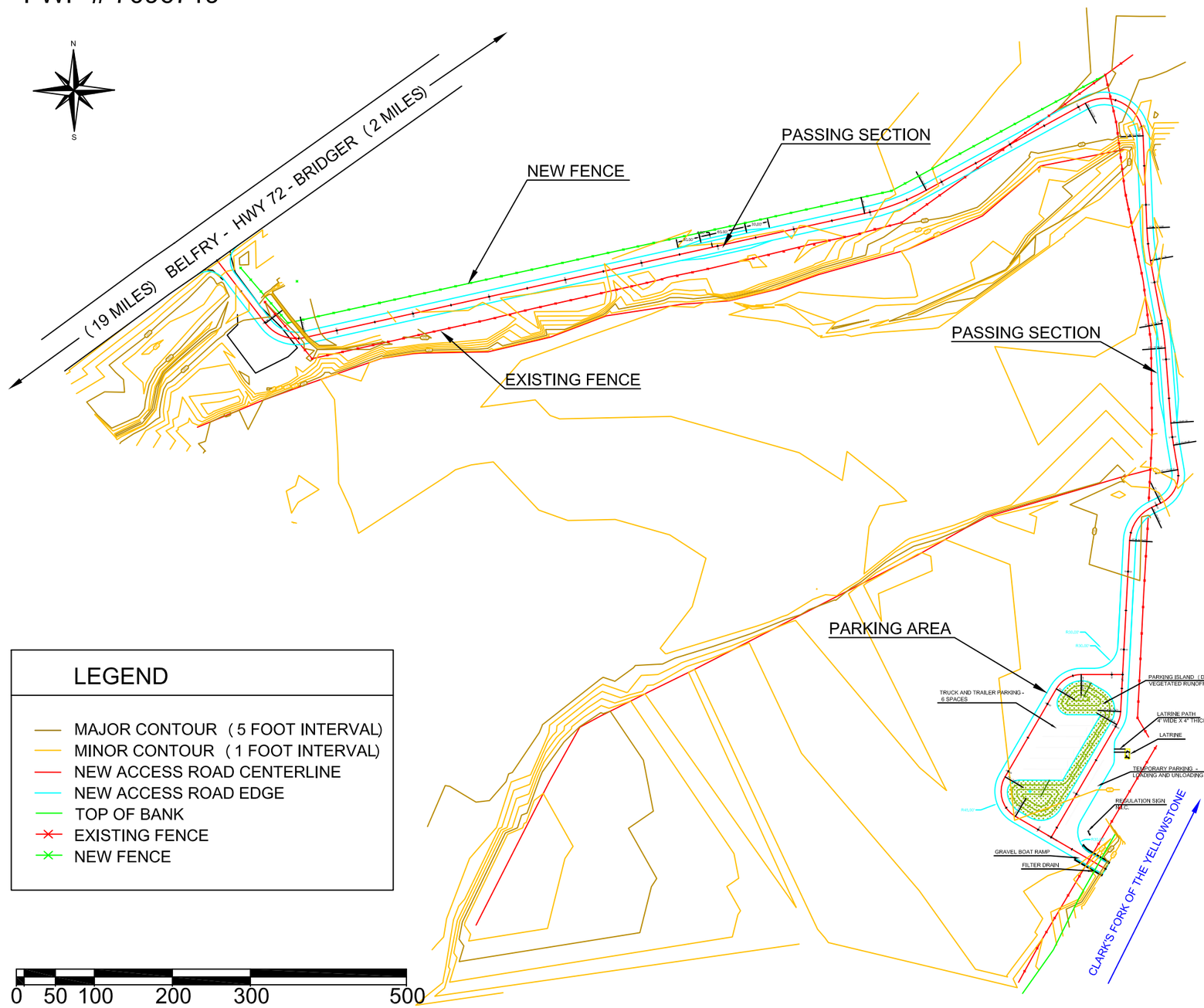


PLAN SHEET INDEX:

SHEET 1 : COVER
SHEET 2 : PARKING AREA
SHEET 3 : PROFILE 1 - STA 0+00 - 6+50
SHEET 4 : PROFILE 2 - STA 6+50 - 10+50
SHEET 5 : PROFILE 3 - STA 10+50 - 14+00
SHEET 6 : PROFILE 4 - STA 14+00 - 20+00
SHEET 7 : PROFILE 5 - STA 20+00 - 22+64
SHEET 8 : BOAT RAMP AND PARKING PROFILE
SHEET 9 : TYPICAL ROAD SECTIONS
SHEET 10 :FENCE DETAILS
SHEET 11: LATRINE INSTALLATION

LEGEND

- MAJOR CONTOUR (5 FOOT INTERVAL)
- MINOR CONTOUR (1 FOOT INTERVAL)
- NEW ACCESS ROAD CENTERLINE
- NEW ACCESS ROAD EDGE
- TOP OF BANK
- EXISTING FENCE
- NEW FENCE



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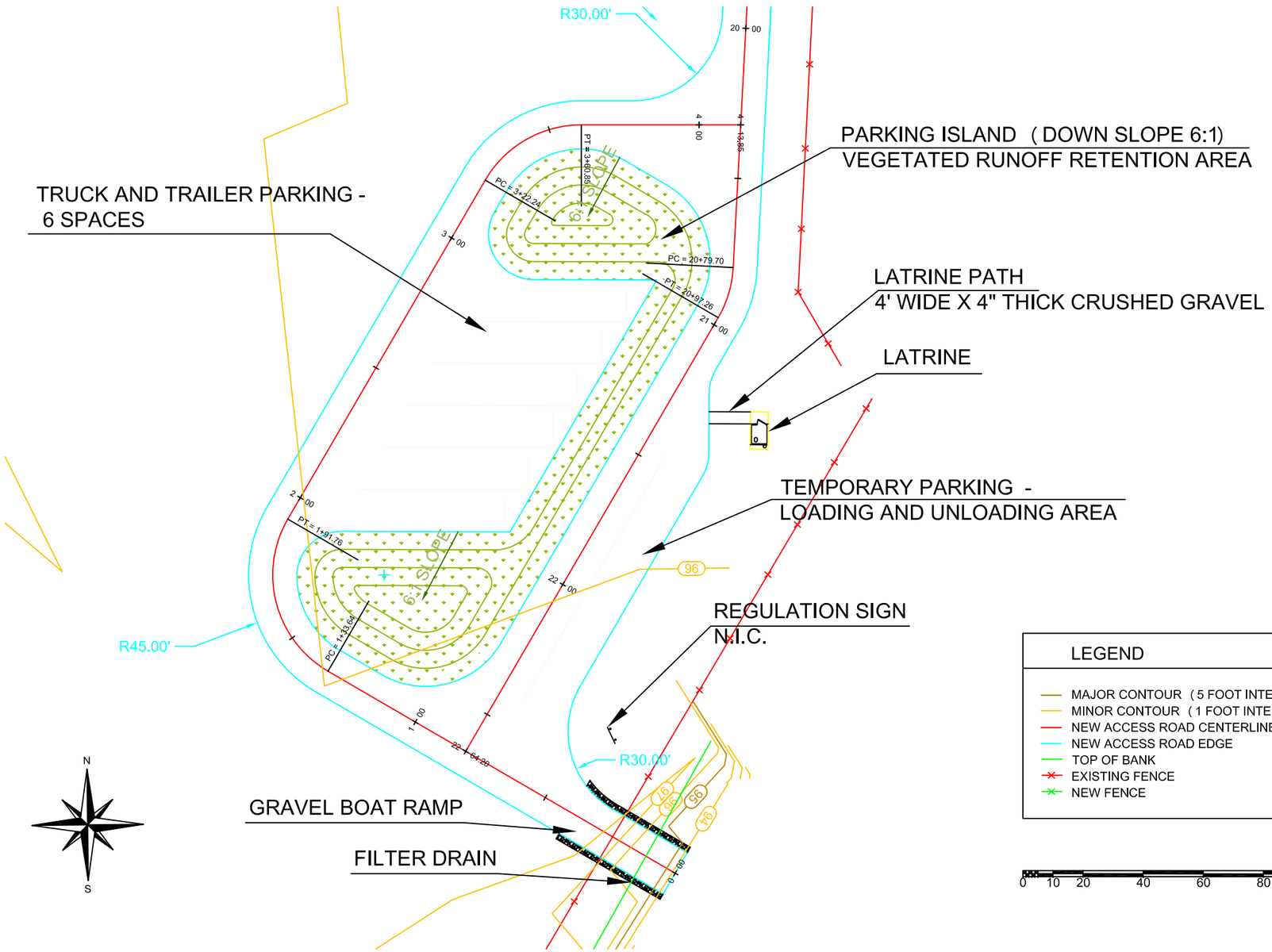
Clark's Fork of the Yellowstone FAS
Bridger, MT

SHEET: 1 of 11



Notes:

1) FWP Engineer will stake radius points, parking corners and provide reference elevations.

2) All excess material shall be removed to spoils area, leveled to match natural grades, and seeded.

3) All disturbed areas shall be seeded. See Section 02936

4) Transitions from new graveled areas to vegetated areas shall uniform follow the alignment of the roads and parking layouts.

5) Filter Drain - Locate as shown on each side of the boat ramp. Line 40' x 2' wide x 2' deep trench with approved filter fabric, and fill with 2" - 3" cobble.

LEGEND

- MAJOR CONTOUR (5 FOOT INTERVAL)
- MINOR CONTOUR (1 FOOT INTERVAL)
- NEW ACCESS ROAD CENTERLINE
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- TOP OF BANK
- EXISTING FENCE
- NEW FENCE

0 10 20 40 60 80 100

PARKING AREA SITE PLAN

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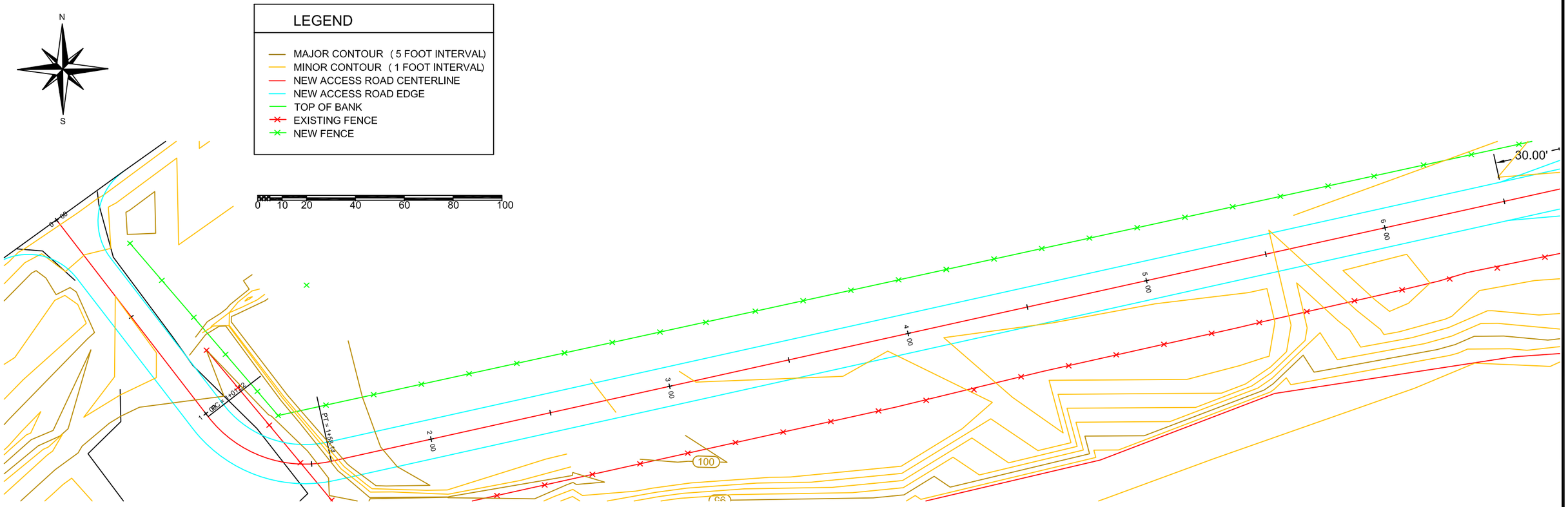

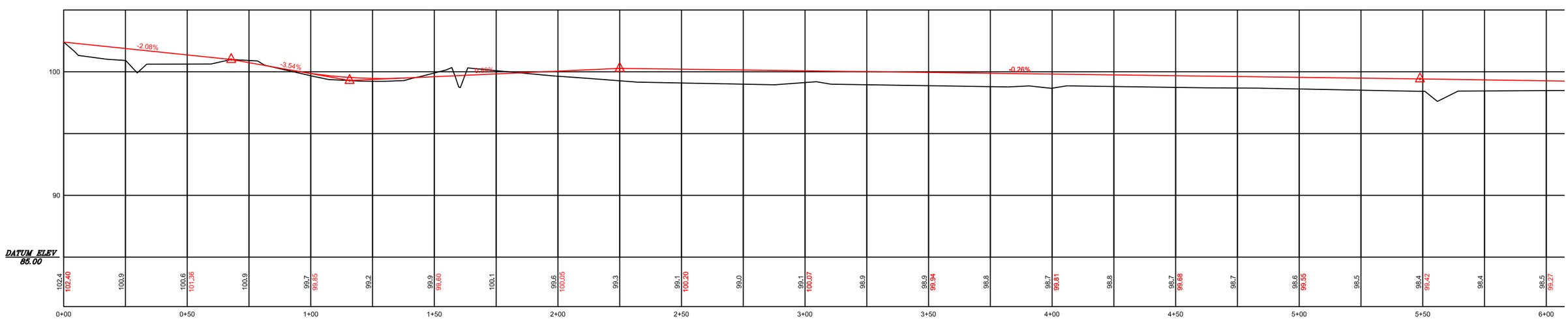

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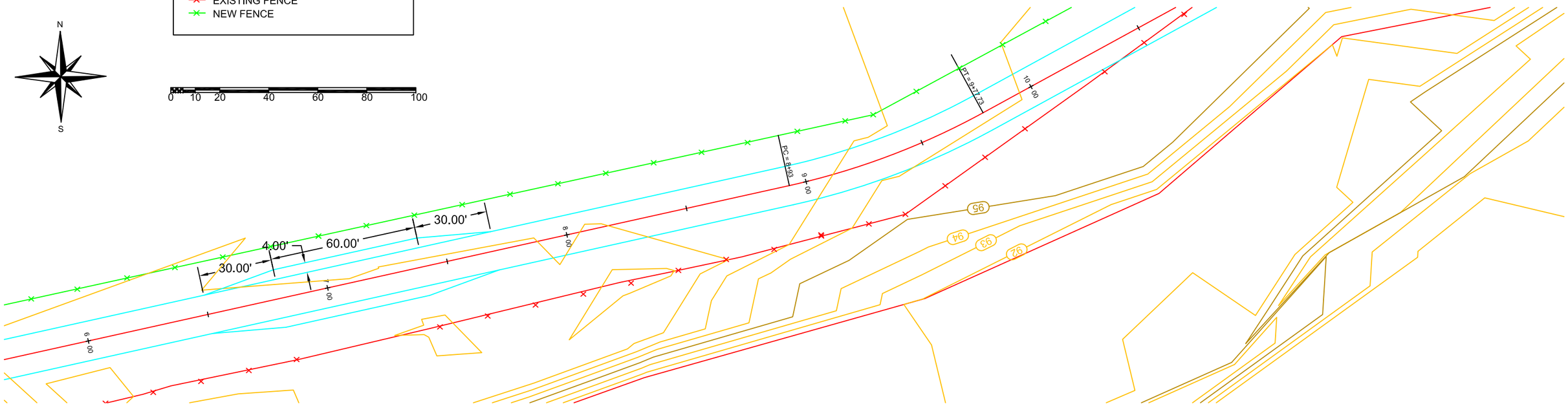
SHEET: 3 of 11

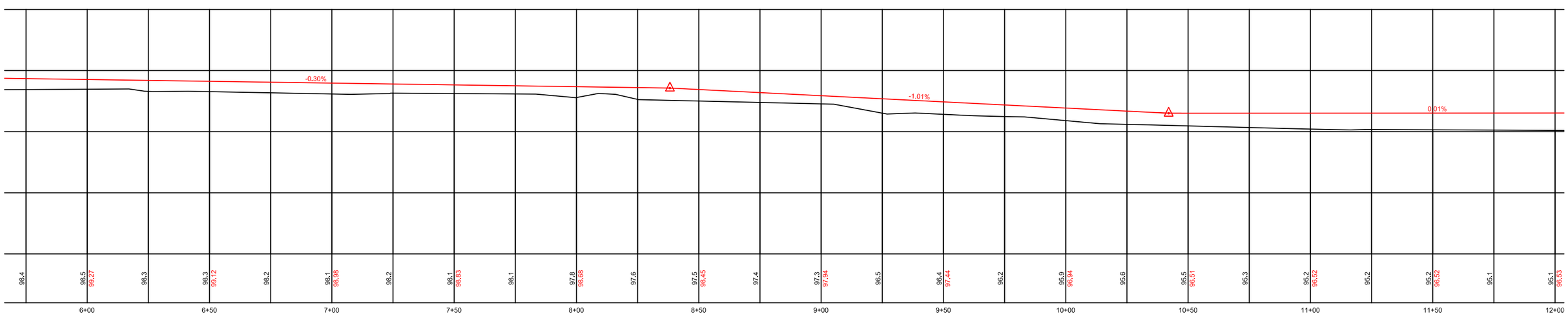
LEGEND

- MAJOR CONTOUR (5 FOOT INTERVAL)
- MINOR CONTOUR (1 FOOT INTERVAL)
- NEW ACCESS ROAD CENTERLINE
- NEW ACCESS ROAD EDGE
- TOP OF BANK
- EXISTING FENCE
- NEW FENCE

N
S

0 10 20 40 60 80 100





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LEGEND

- MAJOR CONTOUR (5 FOOT INTERVAL)
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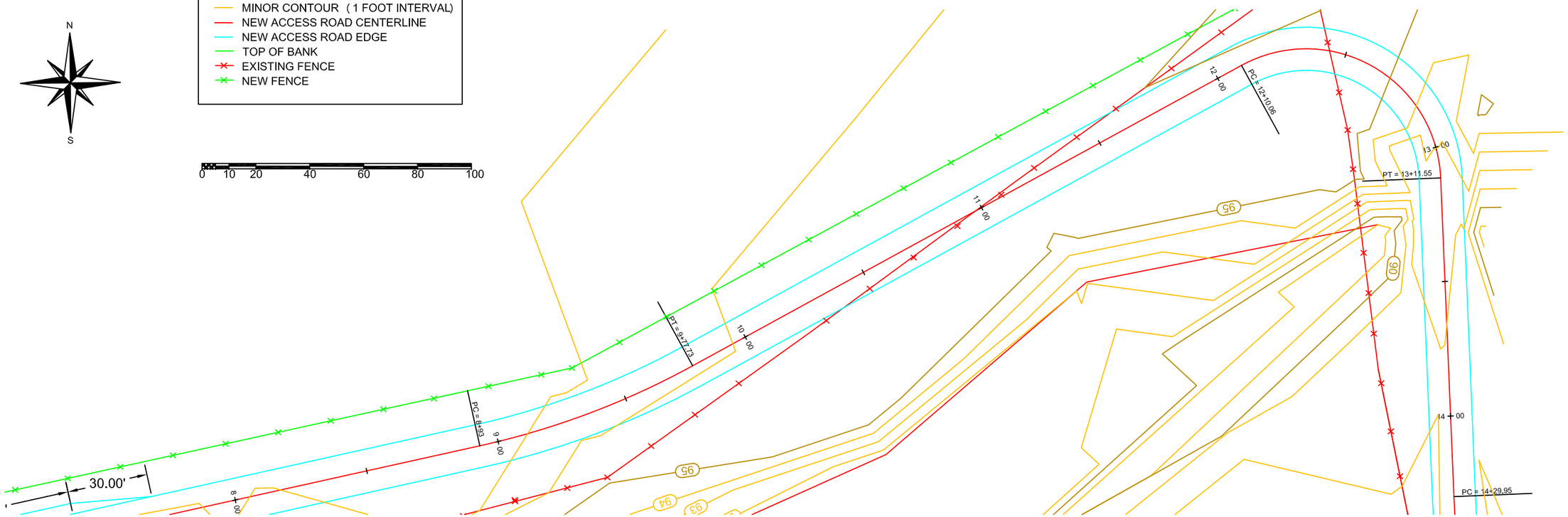
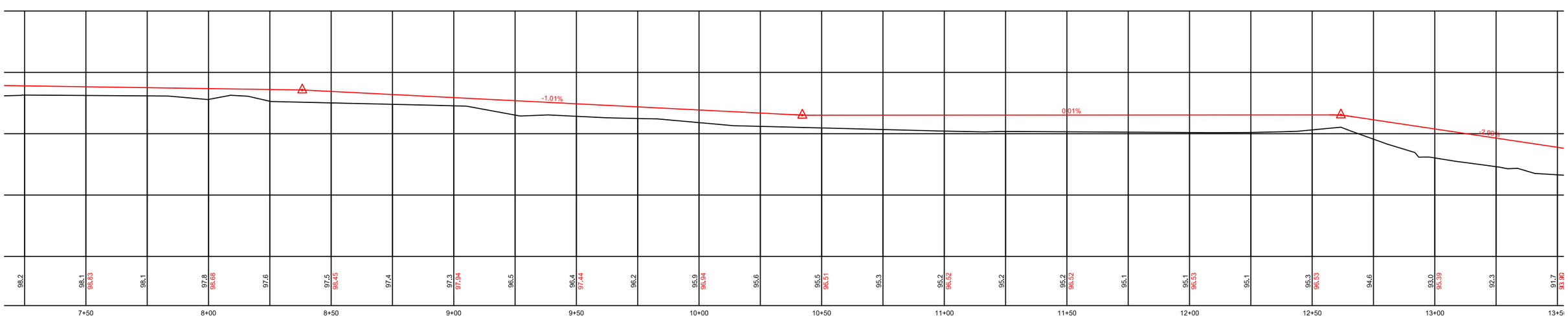
- EXISTING FENCE
- NEW FENCE

N
S

0 10 20 40 60 80 100





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SHEET: 5 of 11

LEGEND

- MAJOR CONTOUR (5 FOOT INTERVAL)
- MINOR CONTOUR (1 FOOT INTERVAL)
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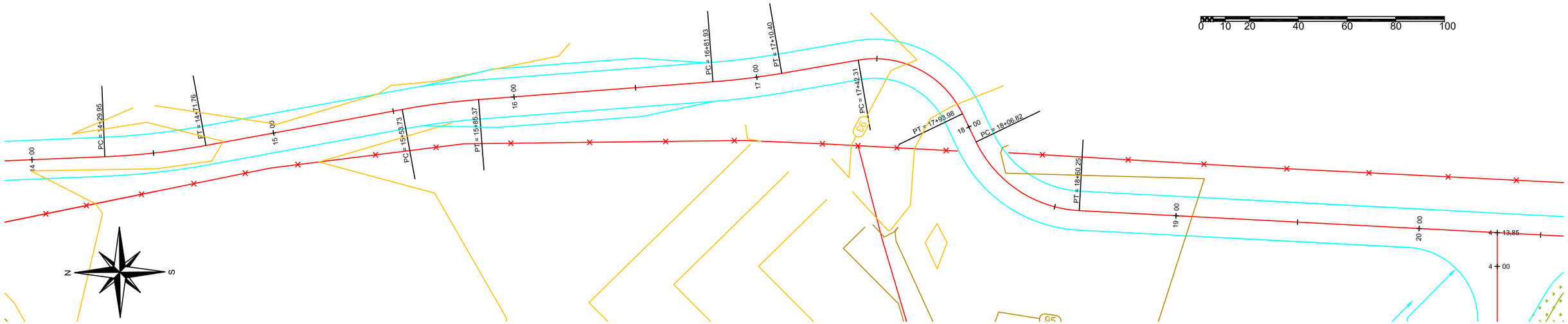
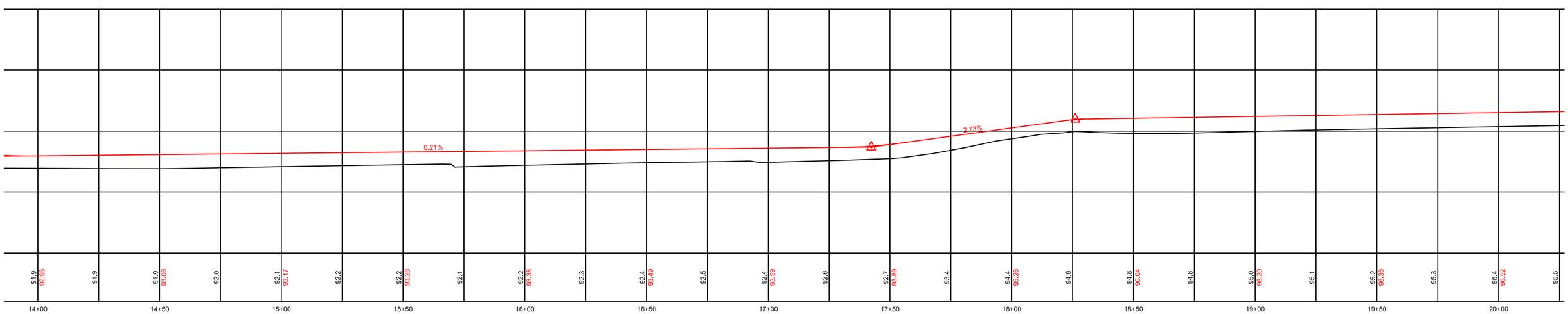
0 10 20 40 60 80 100





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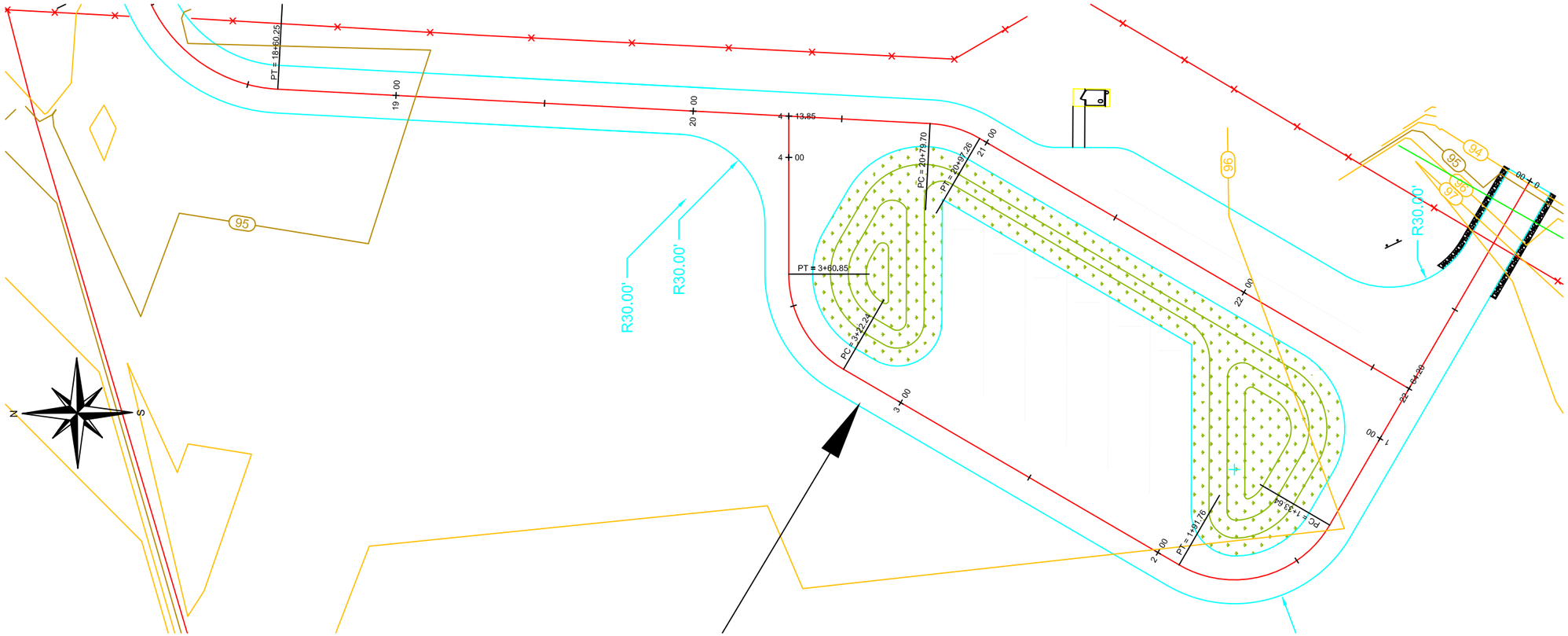
SHEET: 6 of 11



LEGEND

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- NEW ACCESS ROAD EDGE
- TOP OF BANK
- EXISTING FENCE
- NEW FENCE

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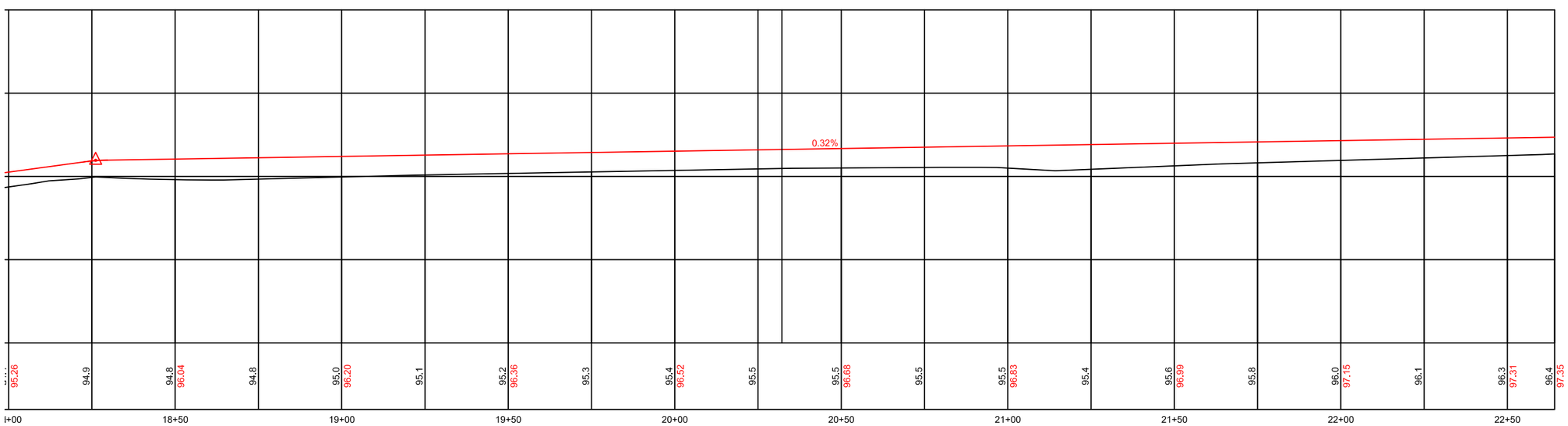

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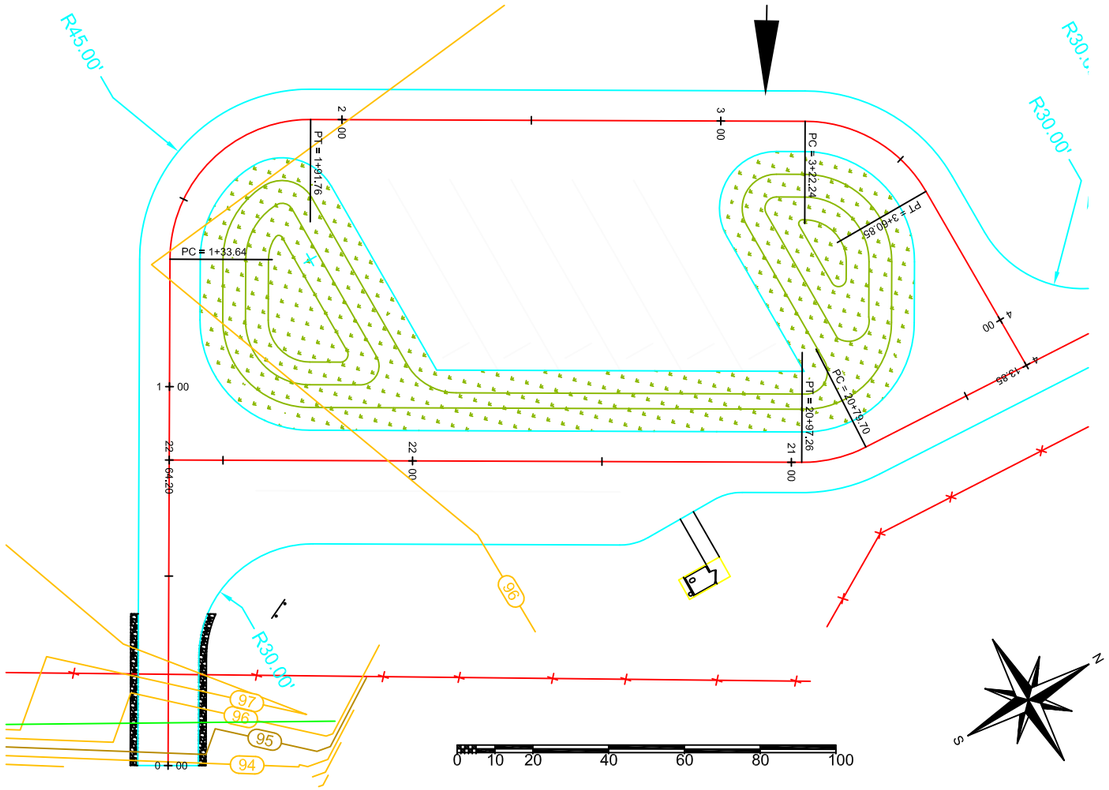
Bridger, MT

SHEET: 7 of 11



LEGEND

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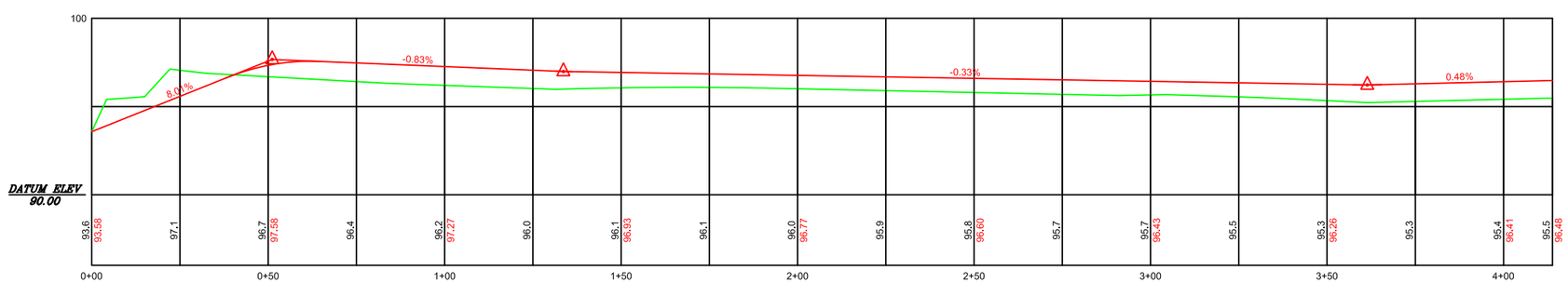

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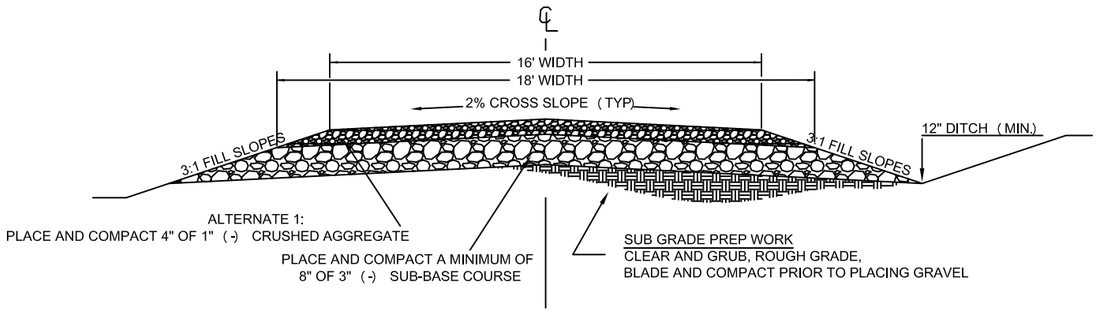
SHEET: 8 of 11



TYPICAL 16' ROAD SECTION: SECTION A

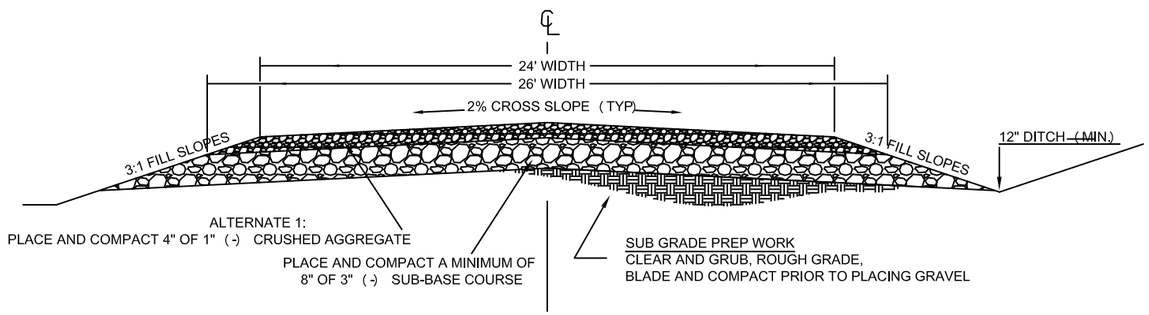
NOT TO SCALE

ROAD SECTION RANGES BY STATION:

SECTION A : ALL RANGES NOT INCLUDED IN SECTION B AND C BELOW

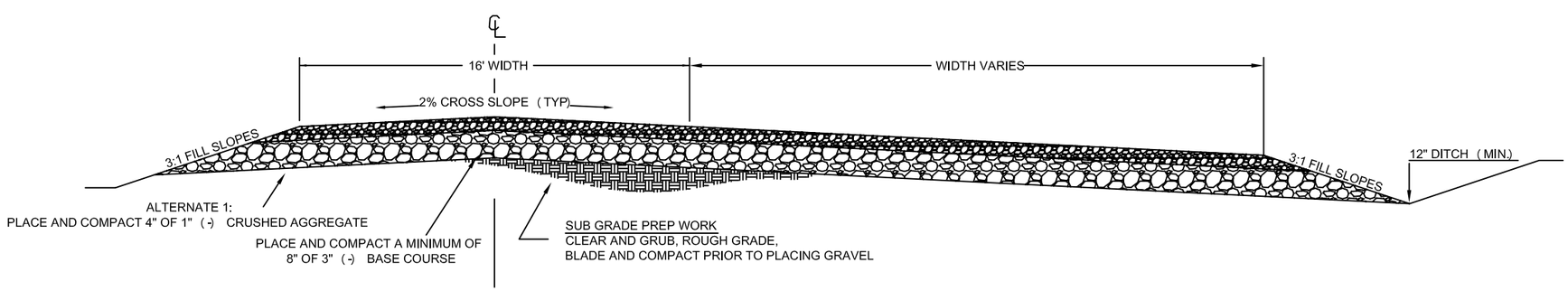
SECTION B : STA 6+50 - 7+70 AND STA 15+60 - 16+80

SECTION C : STA 21+15 - 22+64.20 AND BRSTA 1+90 - 3+10



TYPICAL 24' PASSING AREA ROAD SECTION: SECTION B

NOT TO SCALE



TYPICAL ROAD AND PARKING SECTION: SECTION C

NOT TO SCALE

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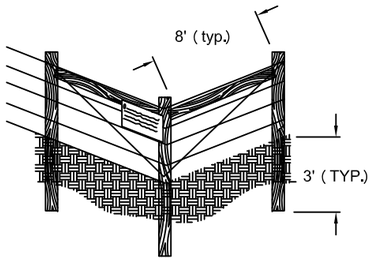
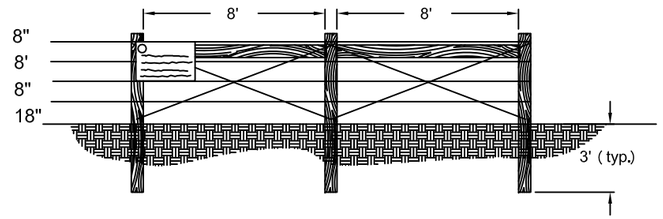
SHEET: 9 of 11



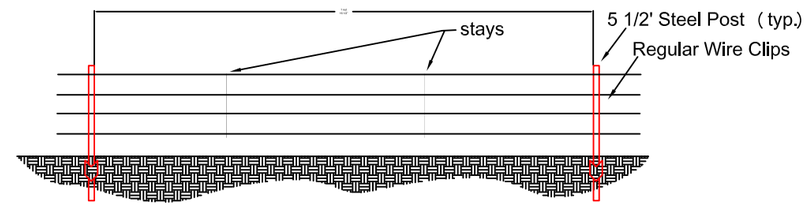
Corner

Use for Angled and Square Corners



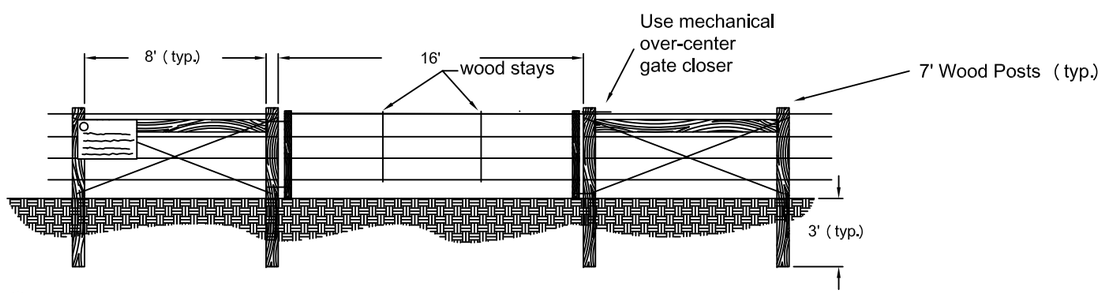
Double Panel

Use At End Of Runs Where No Corner Is Required



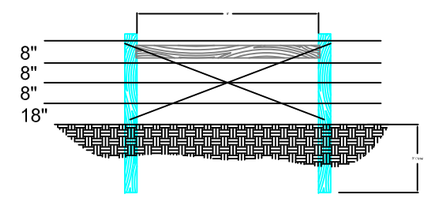
Typical Steel Post Fence

* All Wire to be Smooth, Bottom Wire 18" Above the Ground



Gate

* All Wire to be Smooth, Bottom Wire 18" Above the Ground



Single Panel

Typical Four Wire Fence Details

NOT TO SCALE

Estimated Quanities:

1. Single Panel Brace -4
2. Three Post Corner - 4
3. Gates (including attaced braces) - 1
4. Total length of fence including braces gates and cattle guards - 1195 feet
5. Length of fence to remove 1191 feet

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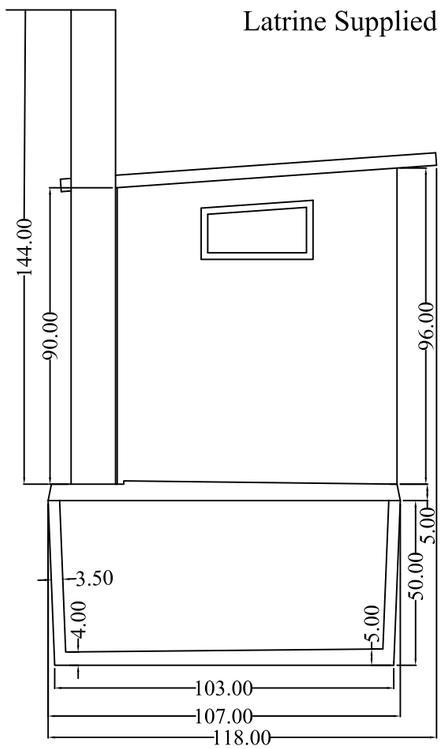
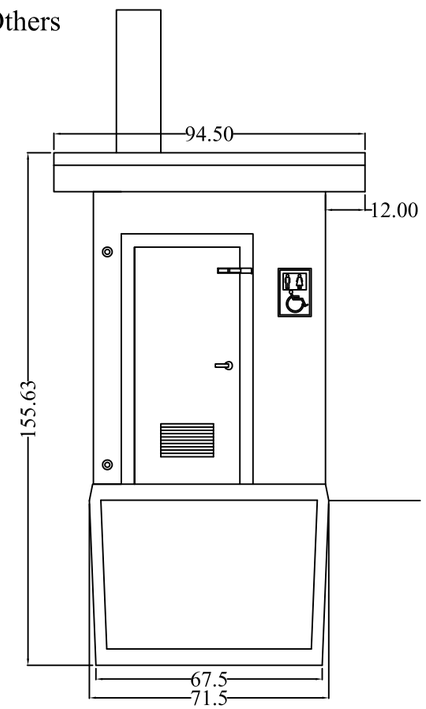
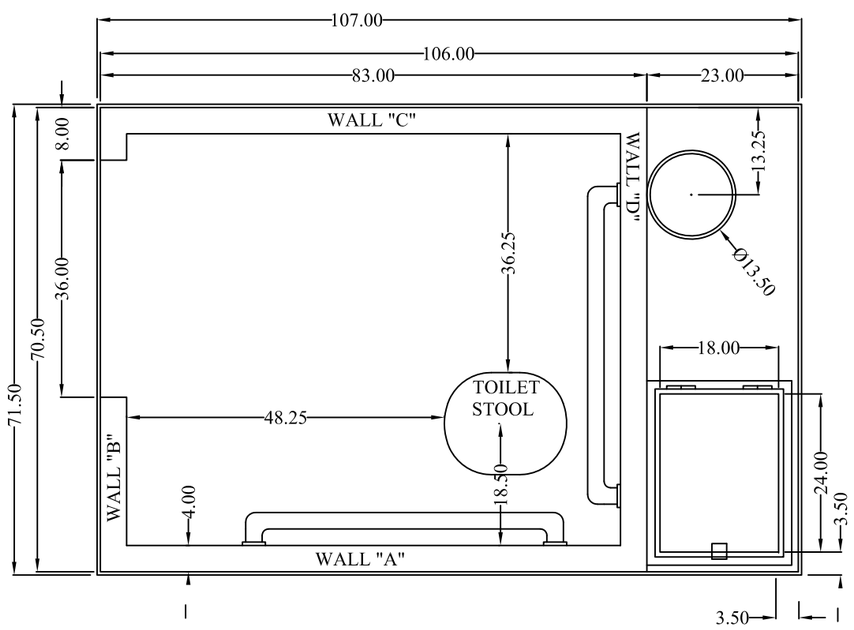
For Information Only
Latrine Supplied By Others







GENERAL

All dimensions are in inches, unless otherwise noted.

INSTALLATION

General Installation involves excavation, leveling bottom of hole with drain aggregate, installing latrine, backfilling around latrine and landscaping.

EXCAVATION

A. Excavate subsoil to a point 12 inches deeper than required for latrine installation.

1. Depth of excavation is 50 inches for the precast latrines manufactured by Flathead Concrete.

2. Finish floor elevation shall be a minimum of 4-6 inches above natural grade measured at the front entrance.

B. Minimize over excavation. Stockpile excavated material for later backfilling and landscaping.

C. Compact bottom of hole with three passes of mechanical compaction device.

LEVELING

A. Place and compact approved crushed gravel to a depth of 12 inches.

B. Compact leveling material with three passes of compaction device.

C. Level base for installation of latrine.

LATRINE INSTALLATION

A. The precast latrine will be set by the supplier.

B. Insure that latrine sits level and plumb when done installing.

BACKFILLING

A. Place a foot of approved crushed gravel around base of vault and compact.

B. Place in successive 8 inch layers material previously excavated from hole and compact.

1. Remove rocks larger than 6 inches in diameter from the fill.

2. Remove branches, roots and other or organic debris in fill.

LANDSCAPING

A. Slope grade away from latrine.

B. Blend fill slope into surrounding terrain and seed.

C. Remove surplus fill material.

D. Remove soil to a depth of 4 inches beneath location for entrance slab and compact.

E. Place four inches of crushed gravel for bedding, level and compact.

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