

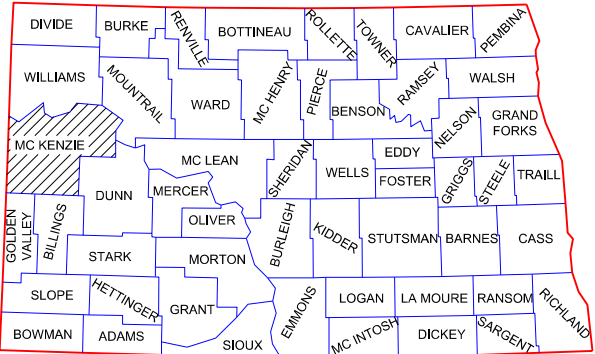
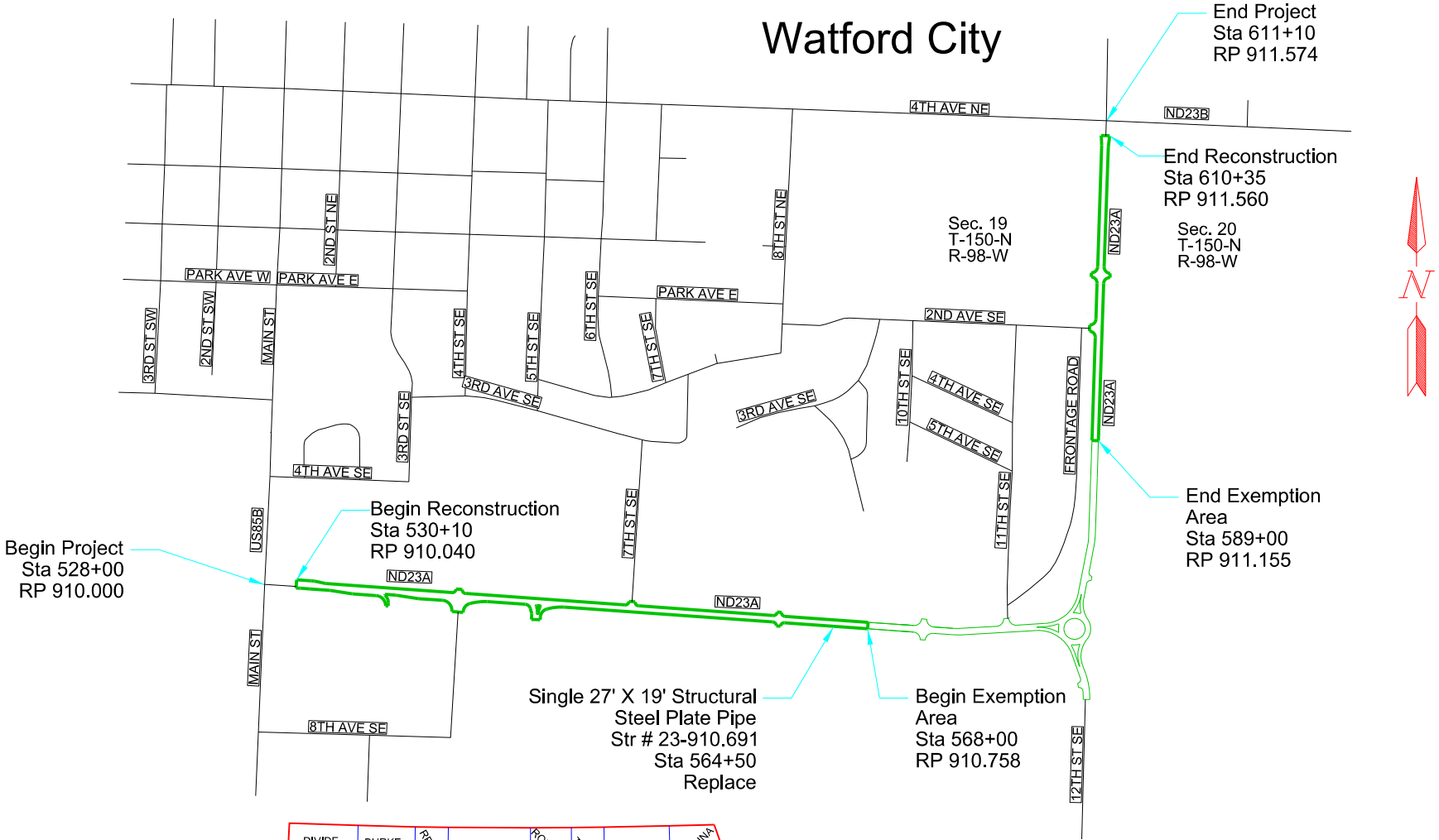
DESIGN DATA				
Traffic	Average Daily			
Current 2015	Pass: 6985	Trucks: 890	Total: 7875	
Forecast 2035	Pass: 10410	Trucks: 1330	Total: 11740	
Clear Zone Distance: 18		Design Speed: 40		
Minimum Sight Dist. for Stopping: 305'		Bridges: HL-93		
Sight Dist. for No Passing Zone: 600'				
Pavement Design Life 30 (years)				
Design Accumulated One-way Rigid ESALs: 5,583,120				

JOB #
NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

SS-7-023(050)910

McKenzie County
ND Hwy 23A from Jct US85B to Jct ND23B
Grading, Concrete / HMA Option, Curb & Gutter,
Shared Use Path, Structure Replacement, Storm Drain, Lighting

GOVERNING SPECIFICATIONS: 2014 Standard Specifications adopted by the North Dakota Department of Transportation and the Supplemental Specifications effective on the date the project is advertised.	
PROJECT NUMBER \ DESCRIPTION	NET MILES
SS-7-023(050)910	1.123
	GROSS MILES
	1.520



STATE COUNTY MAP

DESIGNERS

I hereby certify that the attached plans were prepared by me or under my direct supervision and that I am a duly registered professional engineer under the laws of the state of ND.

APPROVED DATE _____

BROSZ ENGINEERING, INC.

APPROVED DATE _____

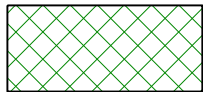
OFFICE OF PROJECT DEVELOPMENT
ND DEPARTMENT OF TRANSPORTATION

This document
is preliminary
and not for
construction or
implementation
purposes.

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SS-7-023(050)910	4	1

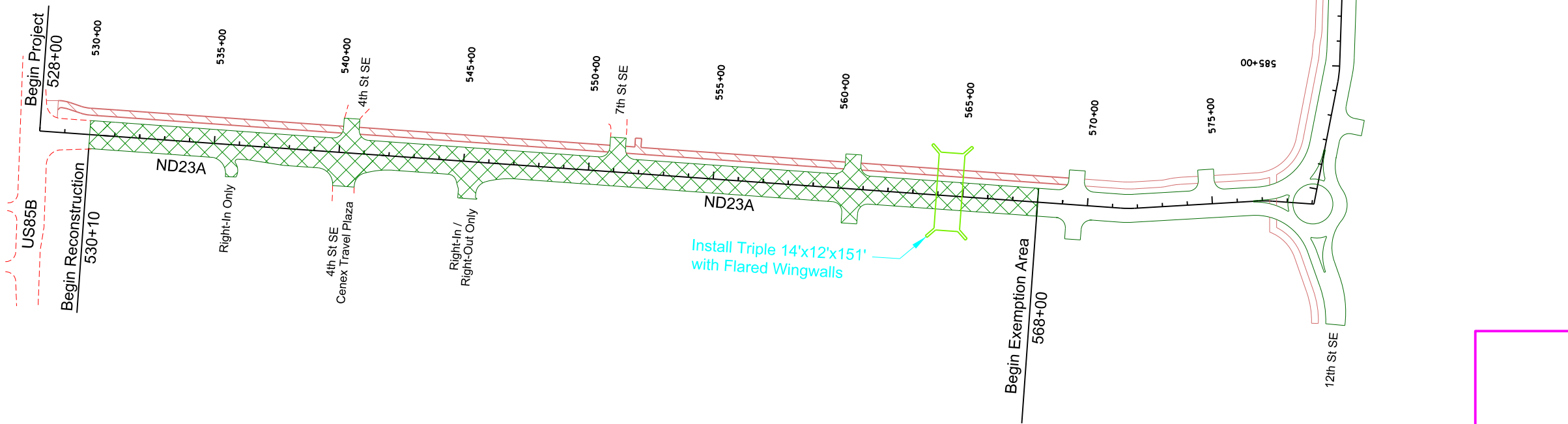


Shared Use Path



Reconstruction, Surfacing*, Curb & Gutter, Lighting

* Option 1: 9" Non-Reinfocred Concrete Pavement - Doweled
Option 2: 6" Superpave FAA 45



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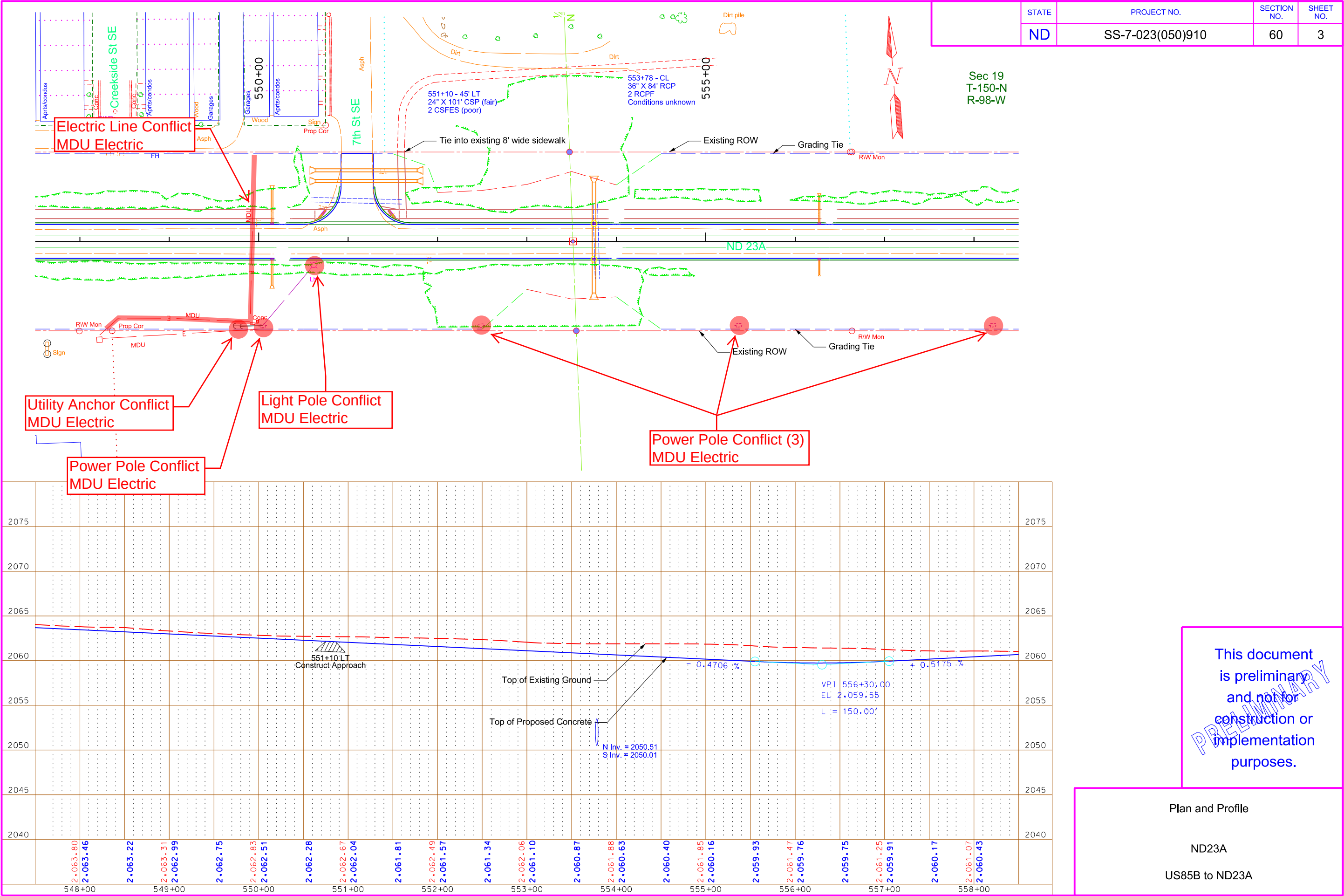
Scope of Work

ND23A

US85B to ND23B

Utility Conflict Summary Sheet - SS-7-023(050)910 - PCN 21172

Item #	CS Sheet #	P&P Sheet #	Approx. Begin Sta	Approx. End Sta	Approx. Qty	Max Cut/Fill	Location	Comments	Utility Company	Type of Facility	State or Utility	Lt / Rt
1	25 - 38	5 - 7	589+00	609+15	2015'	Cut 5'	Inside NDDOT ROW	Conflict (Ditch Grading)	McKenzie Electric Cooperative	Electric Line	Utility	Rt
2	31	6	598+57	598+57	170'	Cut 4'	Inside NDDOT ROW	Conflict (Ditch Grading)	McKenzie Electric Cooperative	Electric Line	Utility	Lt /Rt
3	34	6	602+53	602+53	37'	Cut 3'	Inside NDDOT ROW	Conflict (Ditch Grading)	McKenzie Electric Cooperative	Electric Line	Utility	Rt
4	7	2	540+60	540+60	1	Fill 3'	Inside NDDOT ROW	Conflict (Remove Existing Light)	MDU Electric	Light Pole	Utility	Lt
5	12 - 13	3	548+30	549+93	163'	Cut 3'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Electric Line	Utility	Rt
6	13	3	549+72	549+72	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Utility Anchor	Utility	Rt
7	13	3	549+79	549+79	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Utility Anchor	Utility	Rt
8	13	3	549+93	549+93	146'	Cut 3'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Electric Line	Utility	Lt / Rt
9	13	3	550+04	550+04	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Power Pole	Utility	Rt
10	14	3	550+62	550+62	1	Fill 3'	Inside NDDOT ROW	Conflict (Remove Existing Light)	MDU Electric	Light Pole	Utility	Rt
11	15	3	552+48	552+48	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Power Pole	Utility	Rt
12	17	3	555+37	555+37	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Power Pole	Utility	Rt
13	18	3 - 4	558+21	558+21	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Power Pole	Utility	Rt
14	20	4	561+02	561+02	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Power Pole	Utility	Rt
15	22	4	563+83	563+83	1	Cut 1'	Inside NDDOT ROW	Conflict (RCBC Installation)	MDU Electric	Power Pole	Utility	Rt
16	23	4	566+18	566+18	1	Cut 1'	Inside NDDOT ROW	Conflict (Temporary Bypass)	MDU Electric	Power Pole	Utility	Rt
17	25 - 38	5 - 7	589+00	609+15	2015'	Cut 4'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Electric	Electric Line	Utility	Rt
18	3	1	535+25	535+25	165'	Cut 2' / Fill 5'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Gas	Gas Line	Utility	Lt / Rt
19	25 - 38	5 - 7	589+00	609+13	2013'	Cut 4'	Inside NDDOT ROW	Conflict (Ditch Grading)	MDU Gas	Gas Line	Utility	Rt
20	31	5 - 6	598+17	598+17	210'	Cut 6'	Inside NDDOT ROW	Conflict (Ditch Grading)	Midcontinent Communications	Fiber Optic Line	Utility	Lt /Rt
21	31 - 38	5 - 7	598+17	608+68	1051'	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	Midcontinent Communications	Fiber Optic Line	Utility	Rt
22	25 - 33	5 - 6	589+00	601+50	1250'	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	Reservation Telephone Coop.	Fiber Optic Line	Utility	Rt
23	29	5	595+41	595+41	1	Cut 1'	Inside NDDOT ROW	Conflict (Ditch Grading)	Reservation Telephone Coop.	Telephone Manhole	Utility	Rt
24	38	7	609+17	609+17	175'	Cut 4'	Inside NDDOT ROW	Conflict (Ditch Grading)	Reservation Telephone Coop.	Fiber Optic Line	Utility	Lt / Rt
25	25 - 38	5 - 7	589+00	609+28	2028'	Cut 4'	Inside NDDOT ROW	Conflict (Ditch Grading)	Western Area Water Supply Auth.	Water Line	Utility	Rt
26	25 - 39	5 - 7	589+00	609+50	2050'	Cut 5'	Inside NDDOT ROW	Conflict (Ditch Grading)	McKenzie Co. Water Resource Dist.	Water Line	Utility	Rt
27	38	7	608+14	608+60	60'	Cut 4'	Inside NDDOT ROW	Conflict (Ditch Grading)	McKenzie Co. Water Resource Dist.	Water Line	Utility	Rt

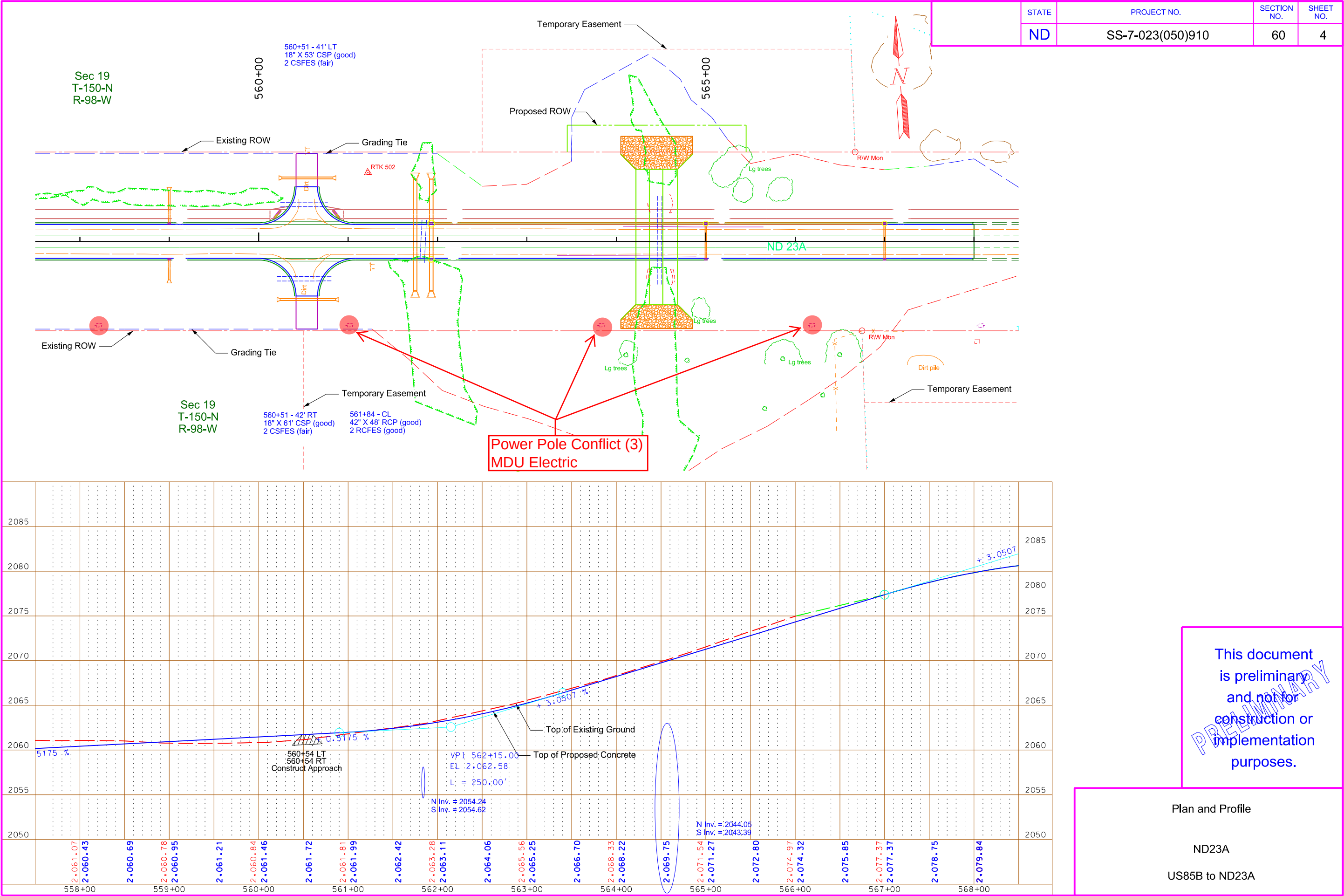


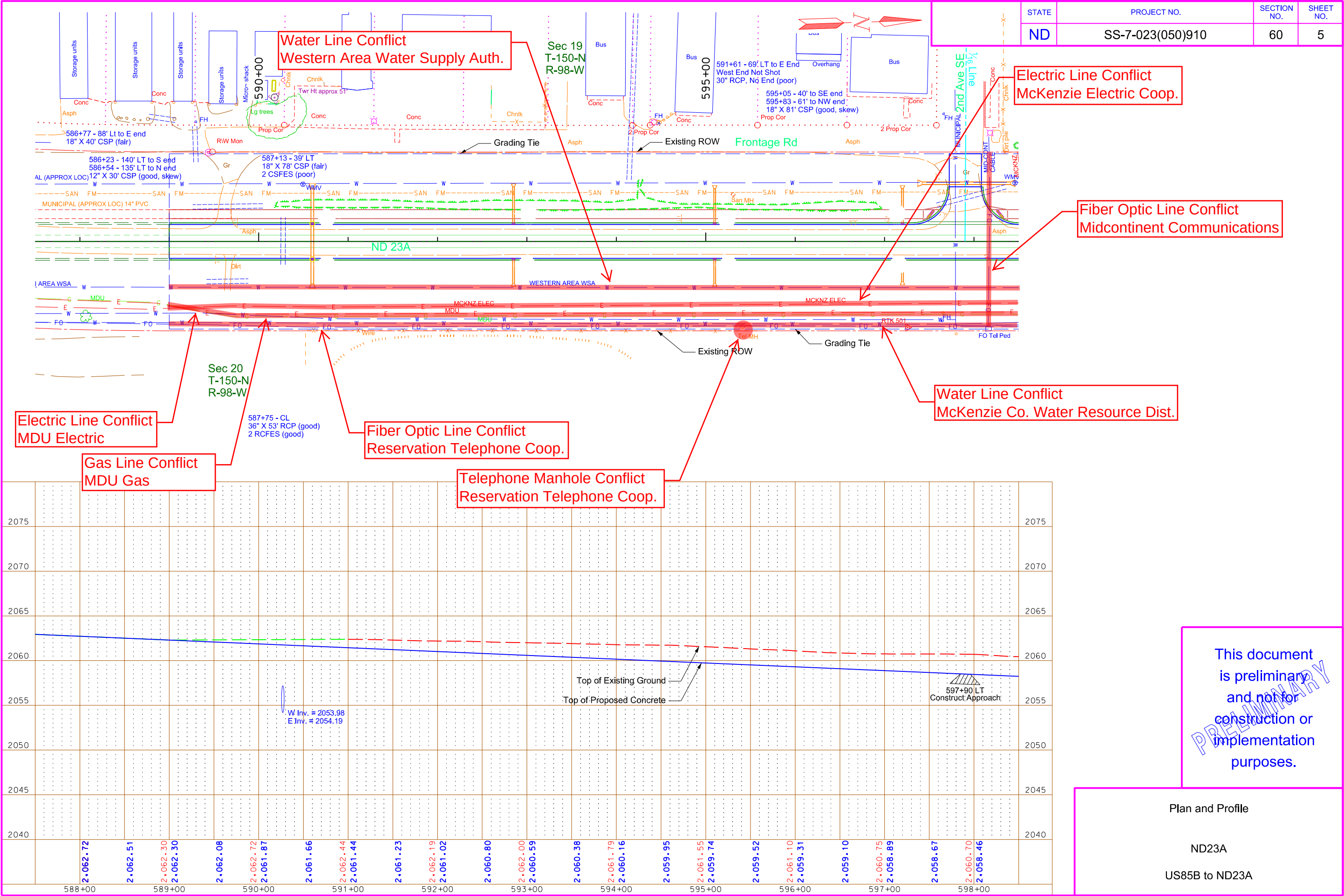
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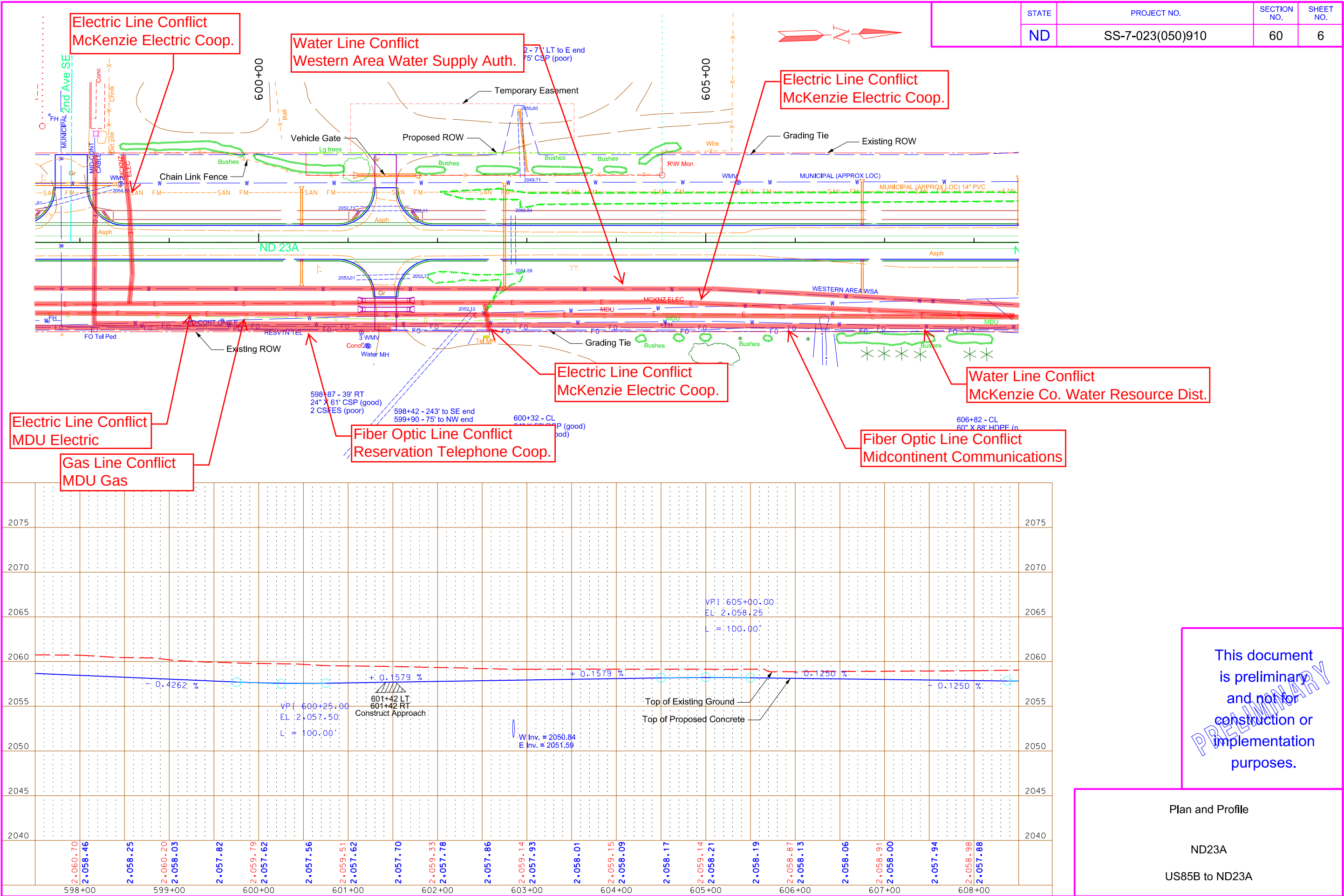
Plan and Profile

ND23A

US85B to ND23A

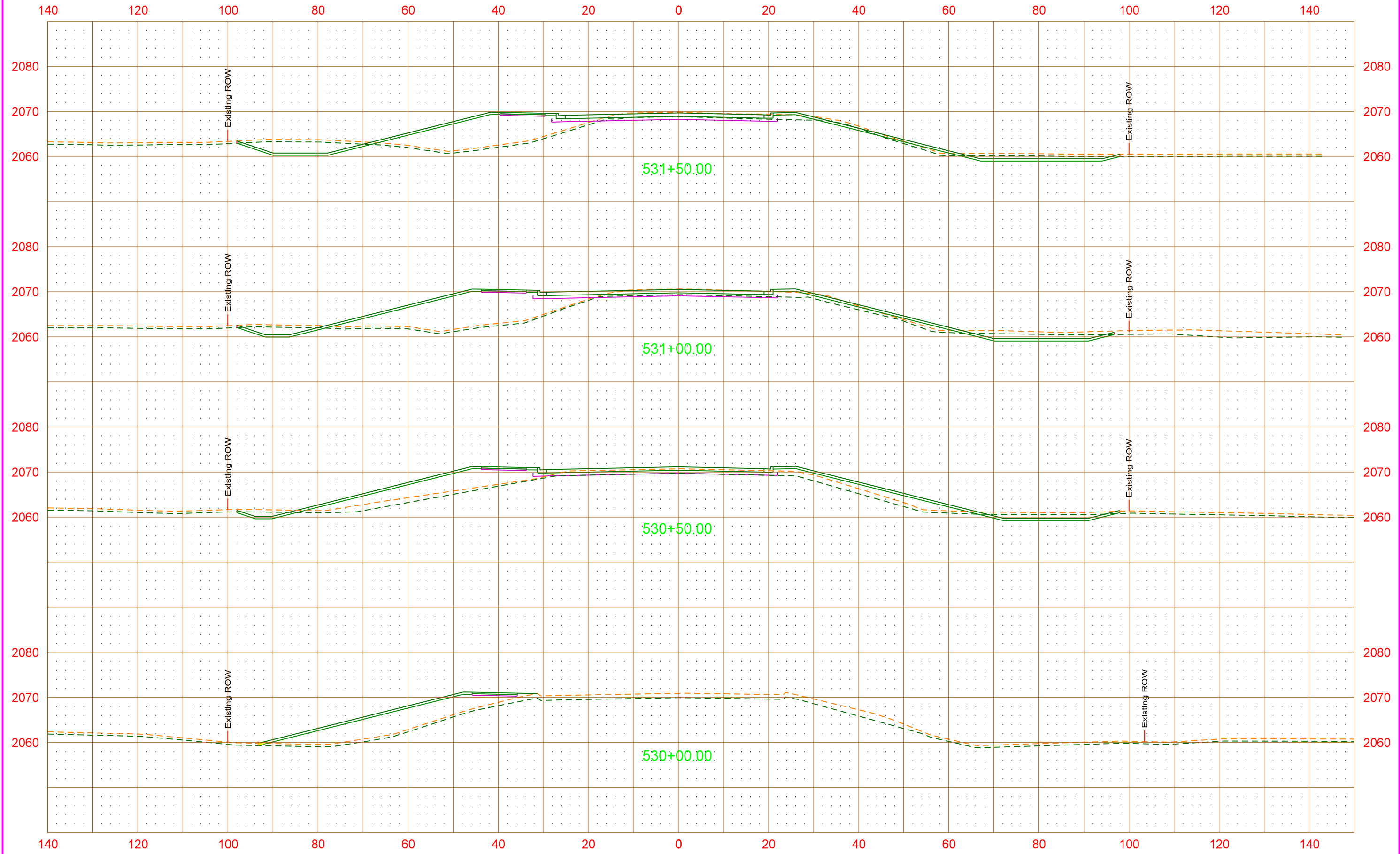






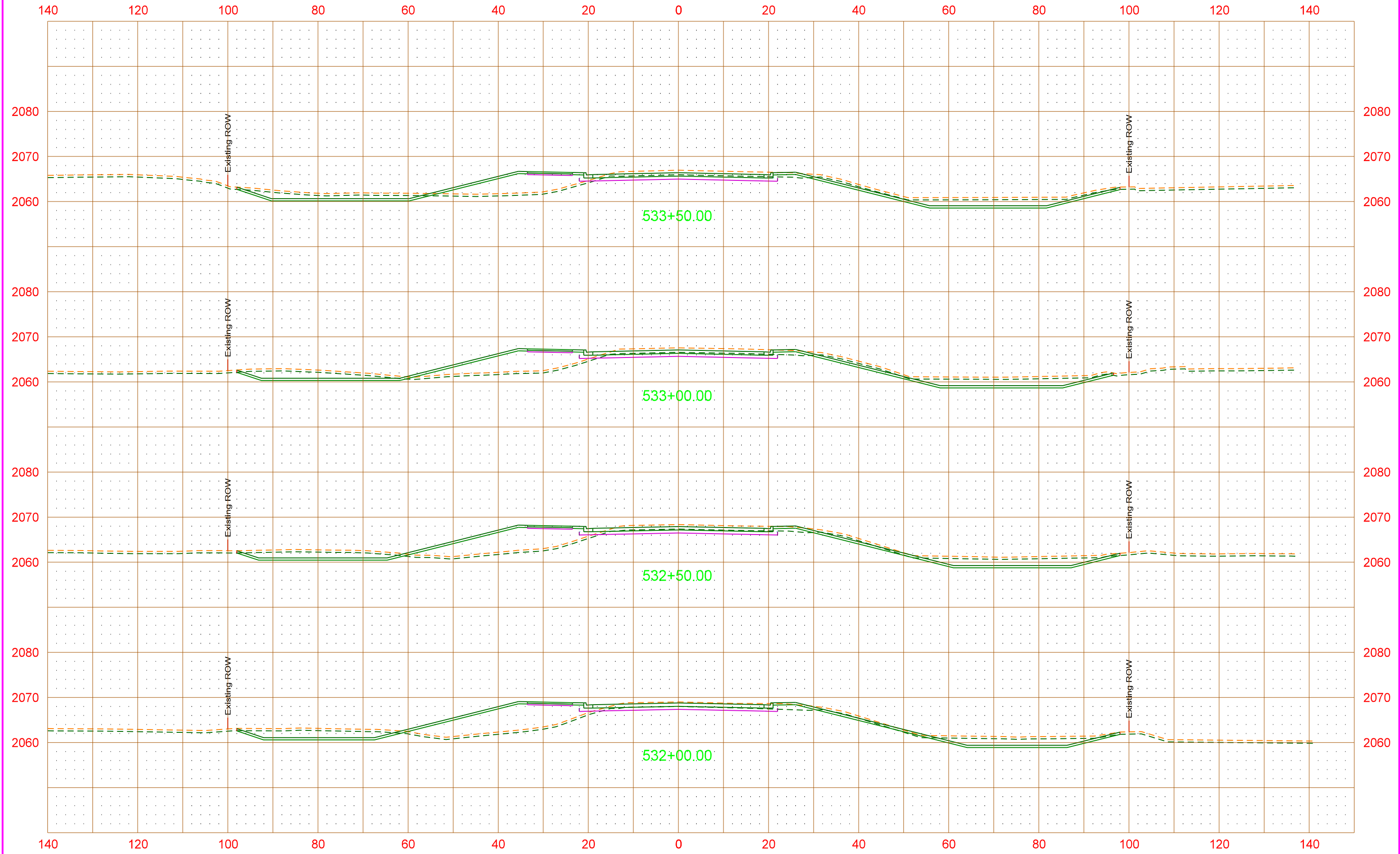
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SS-7-023(050)910	200	1



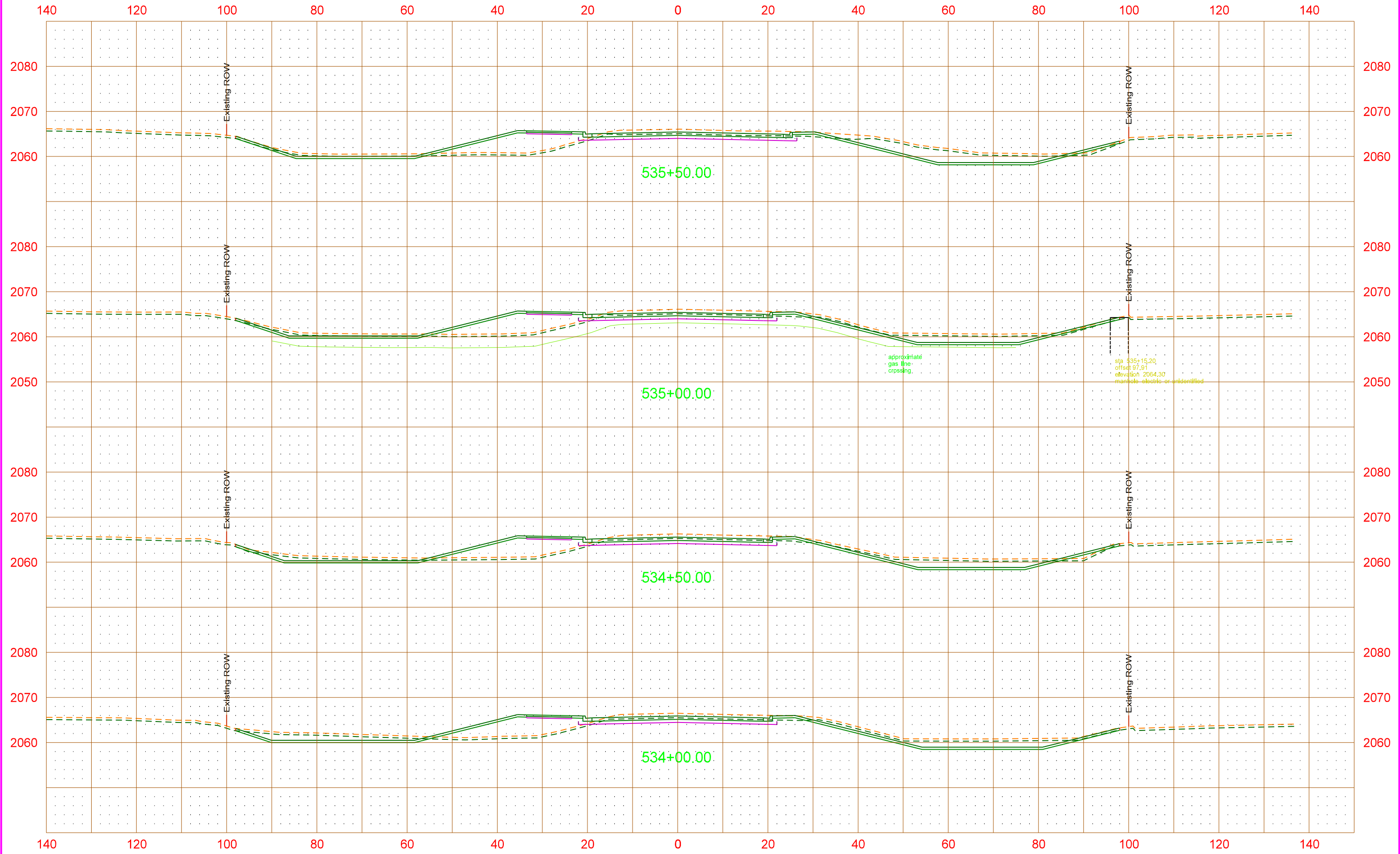
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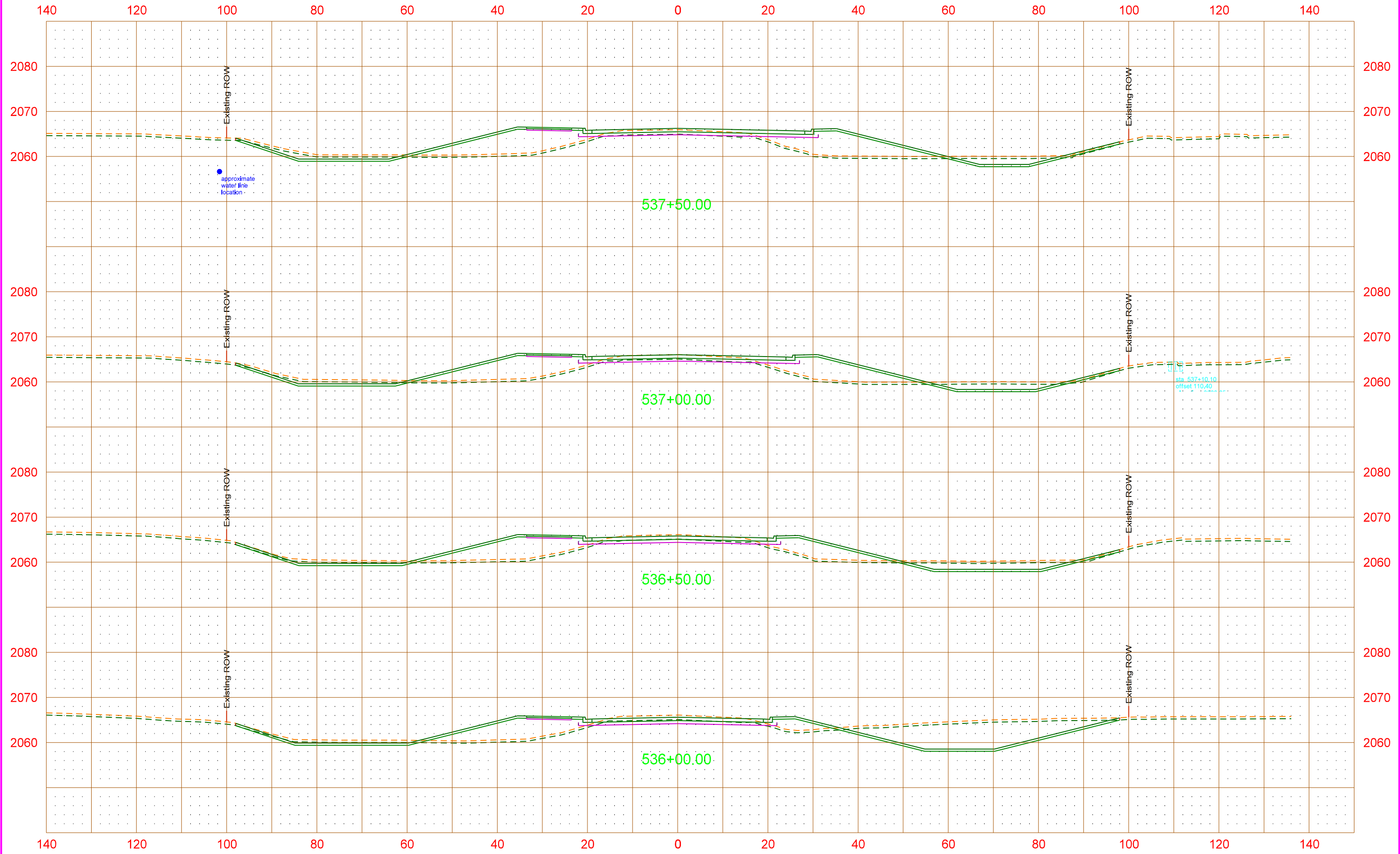
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ND	SS-7-023(050)910	200	3



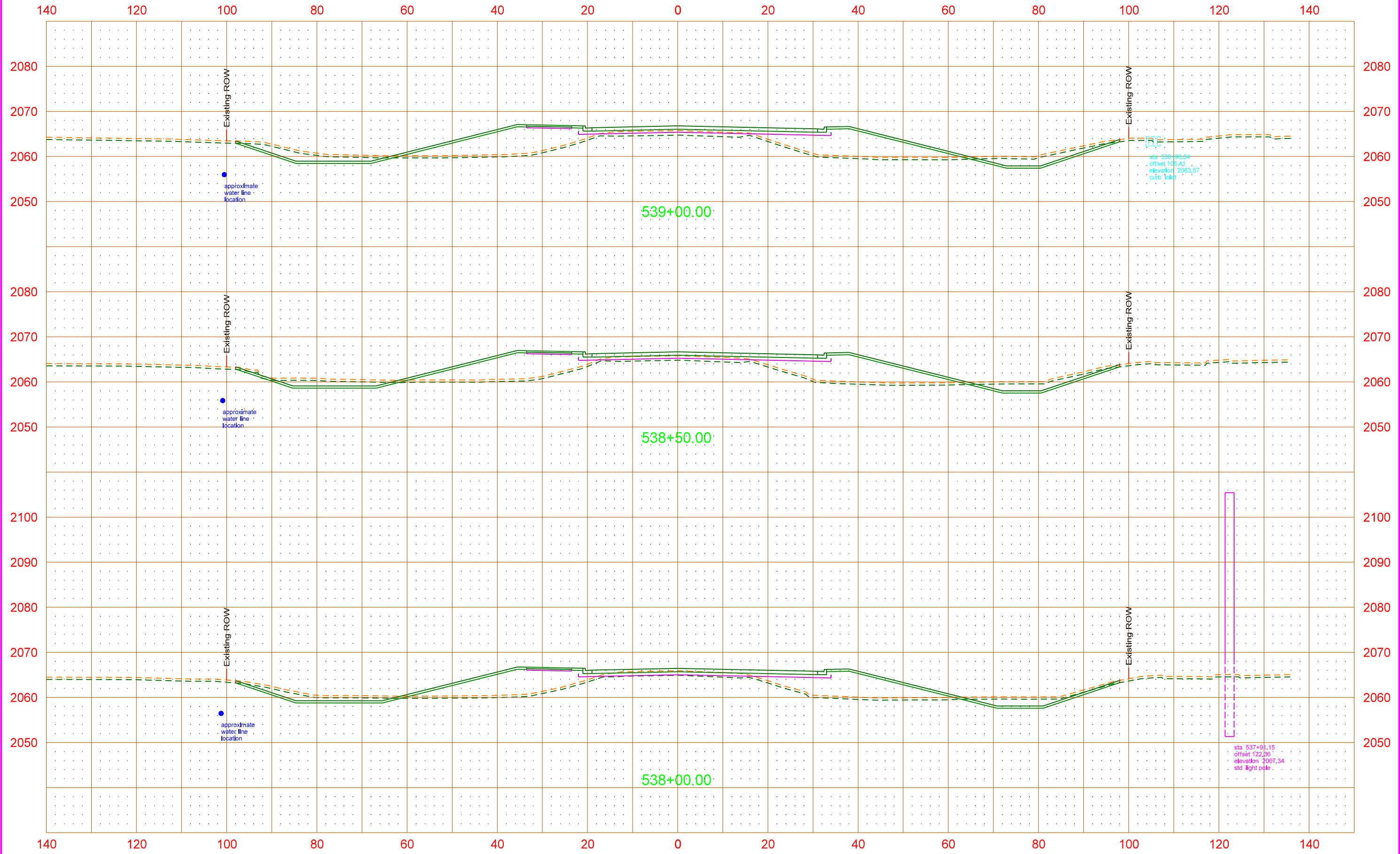
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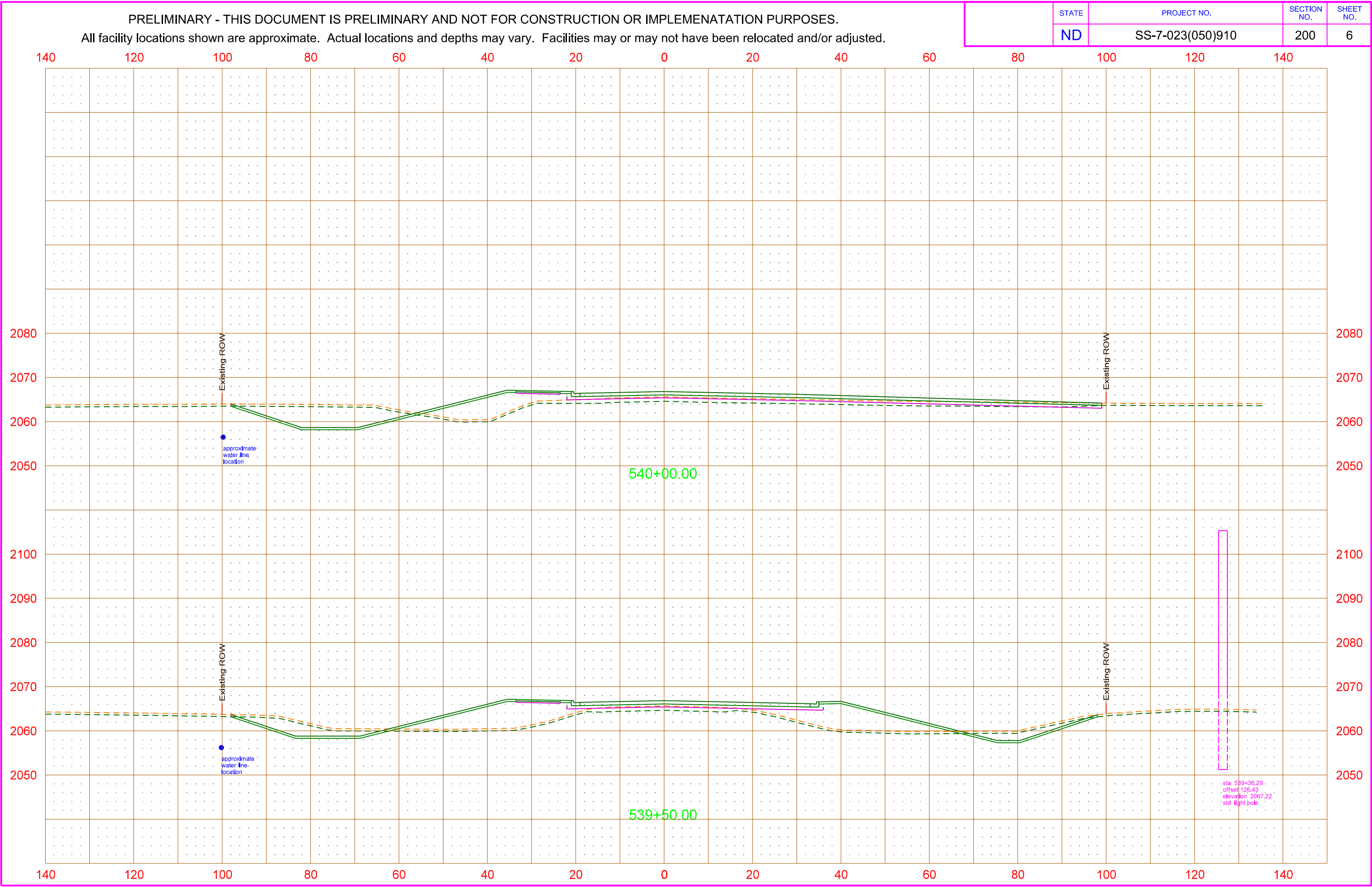
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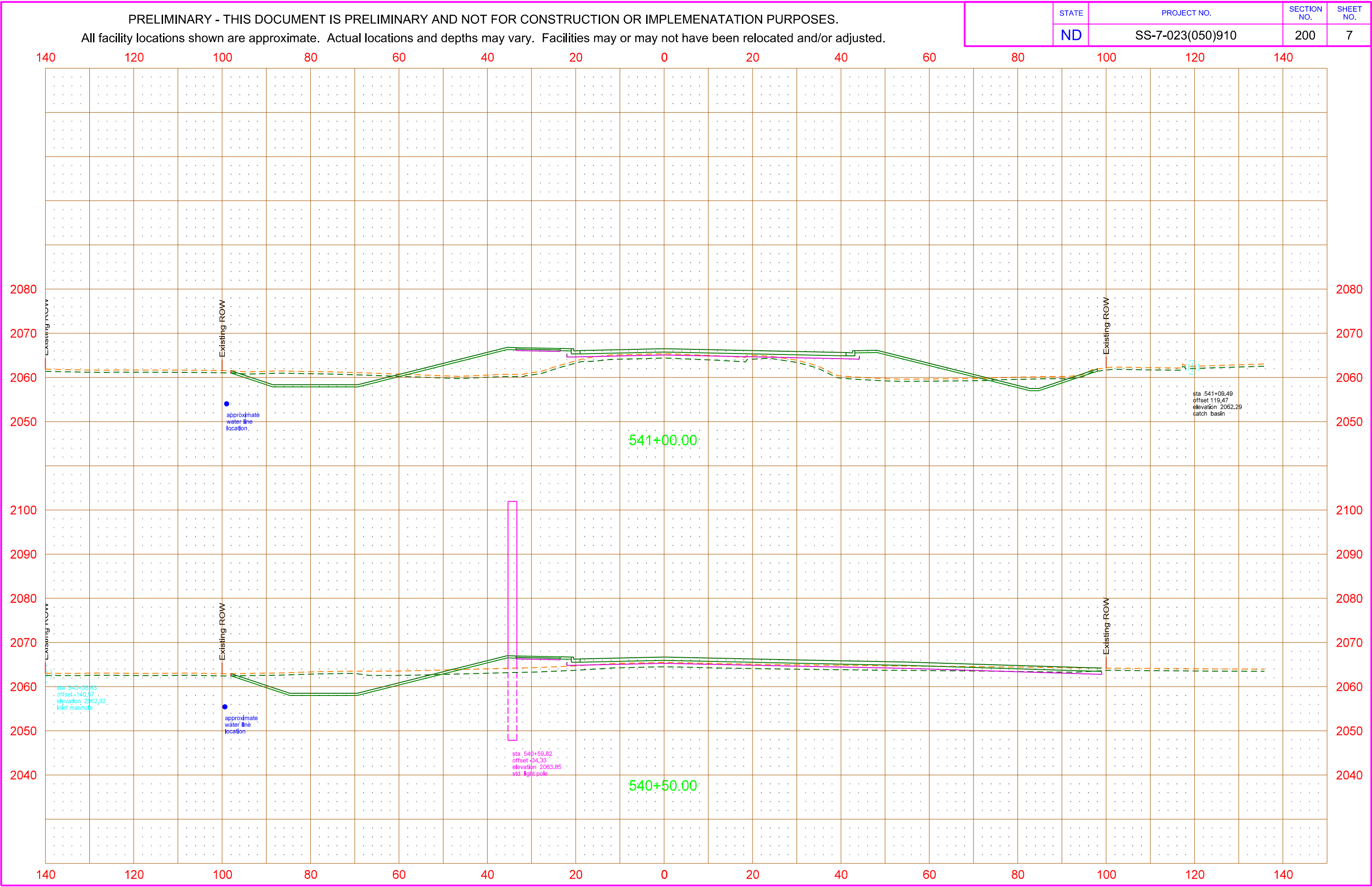


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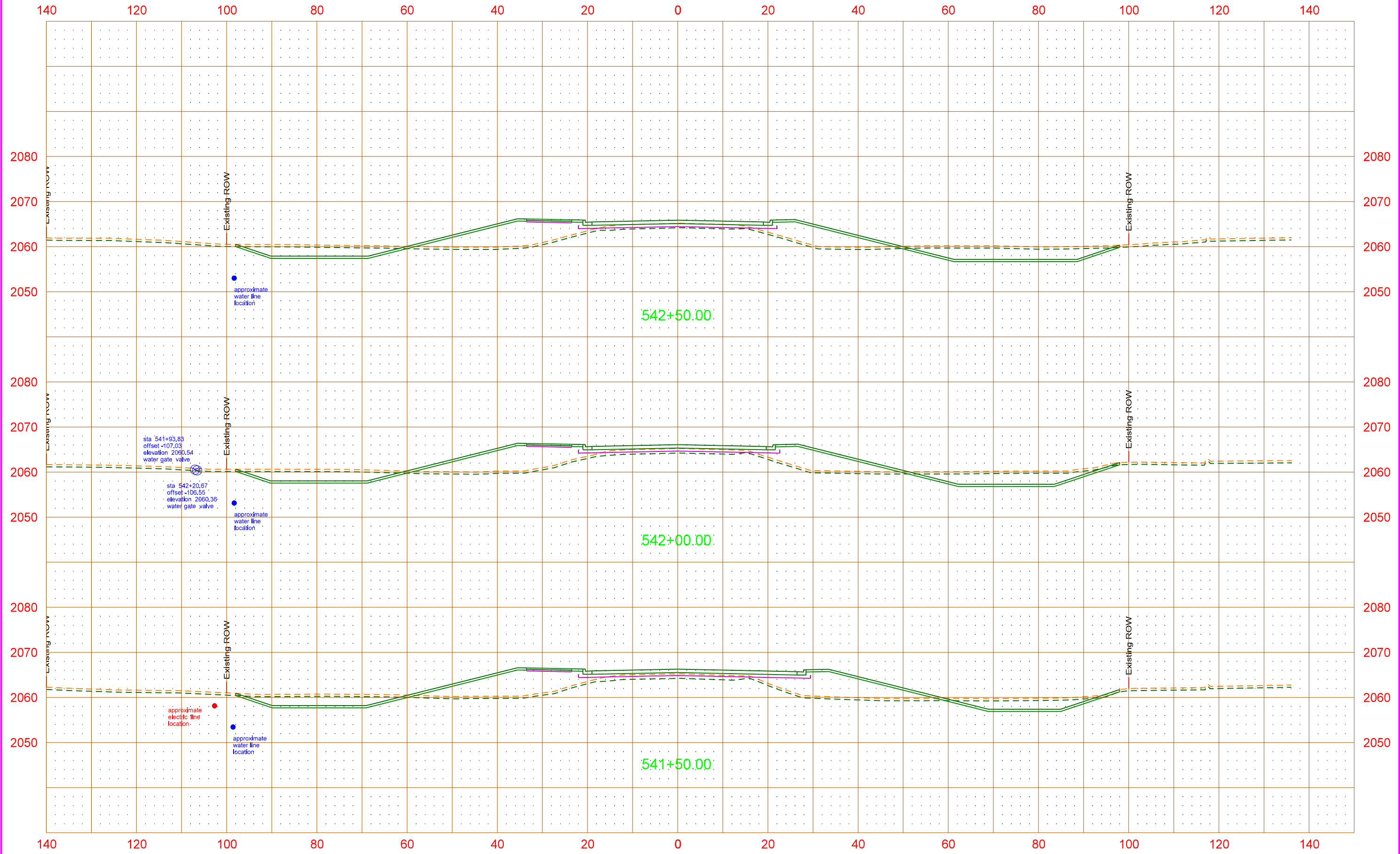






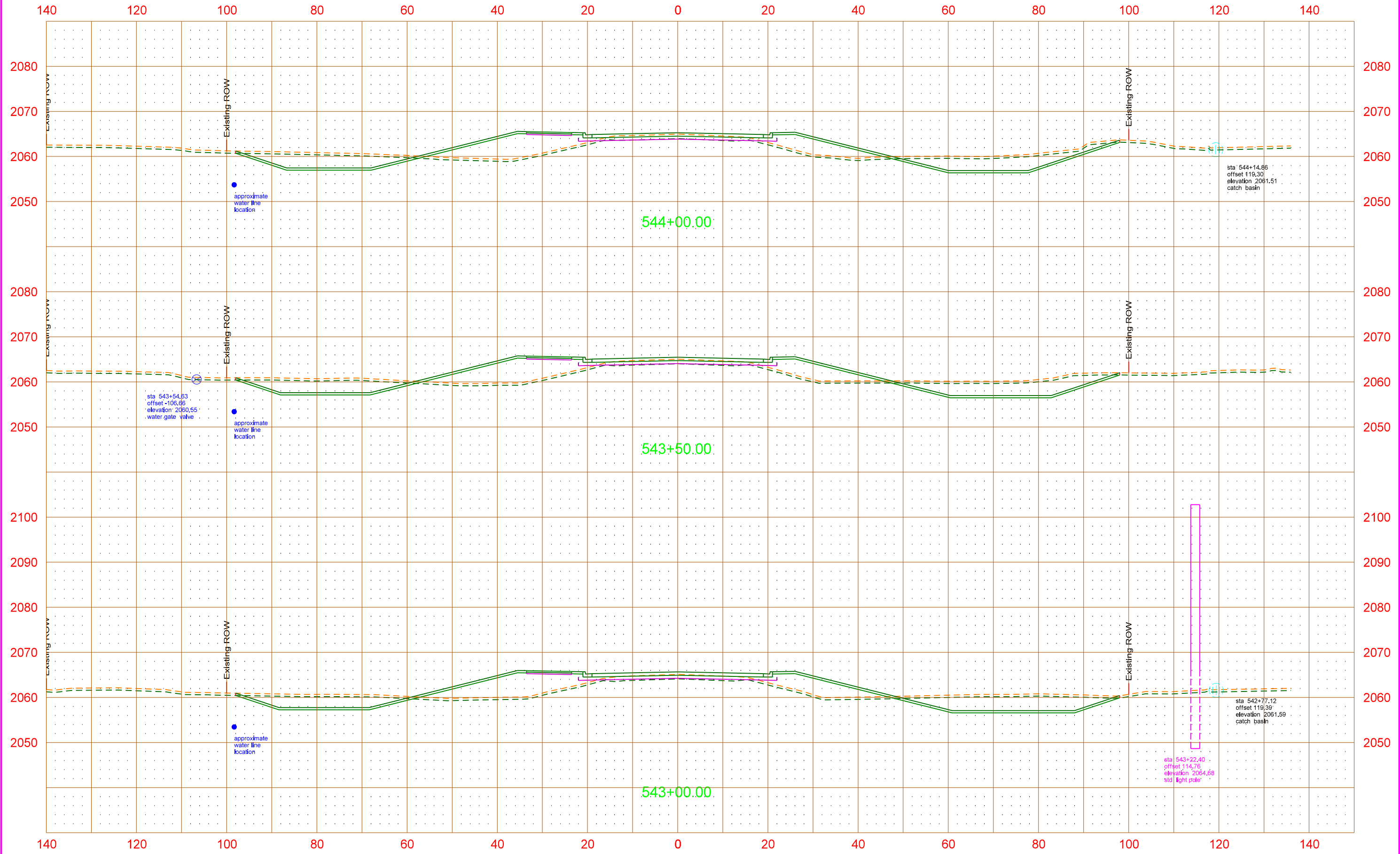
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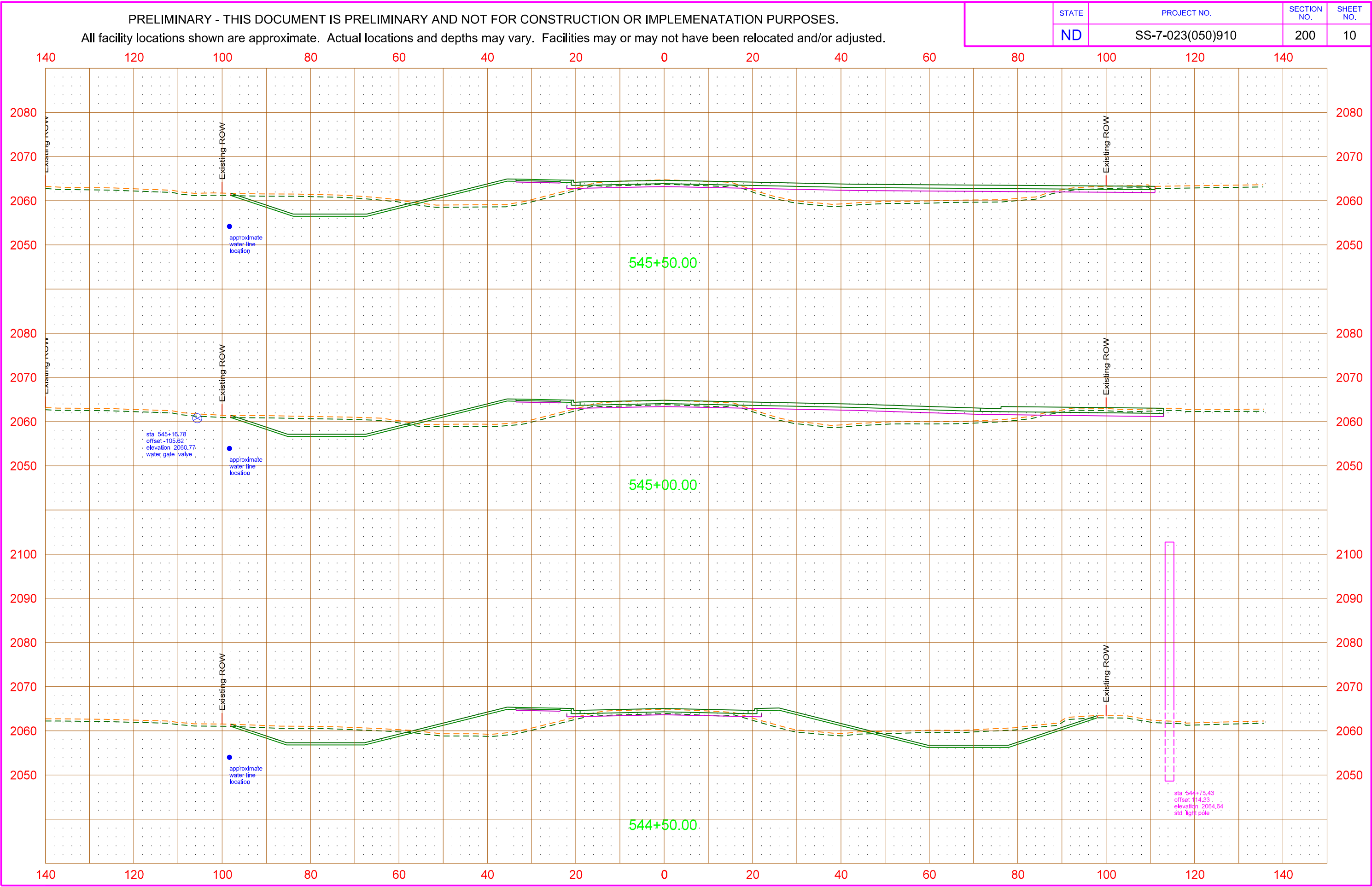
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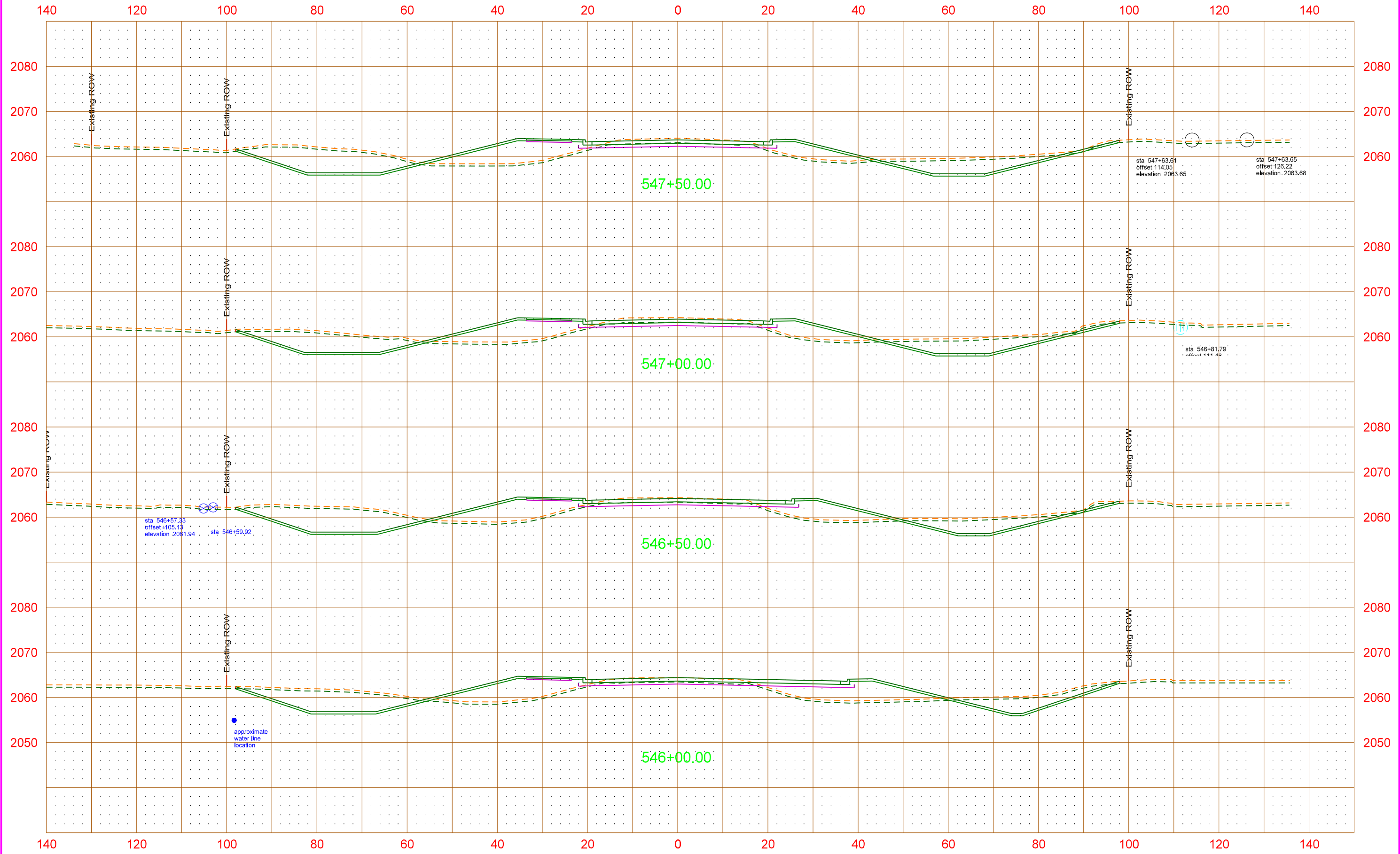
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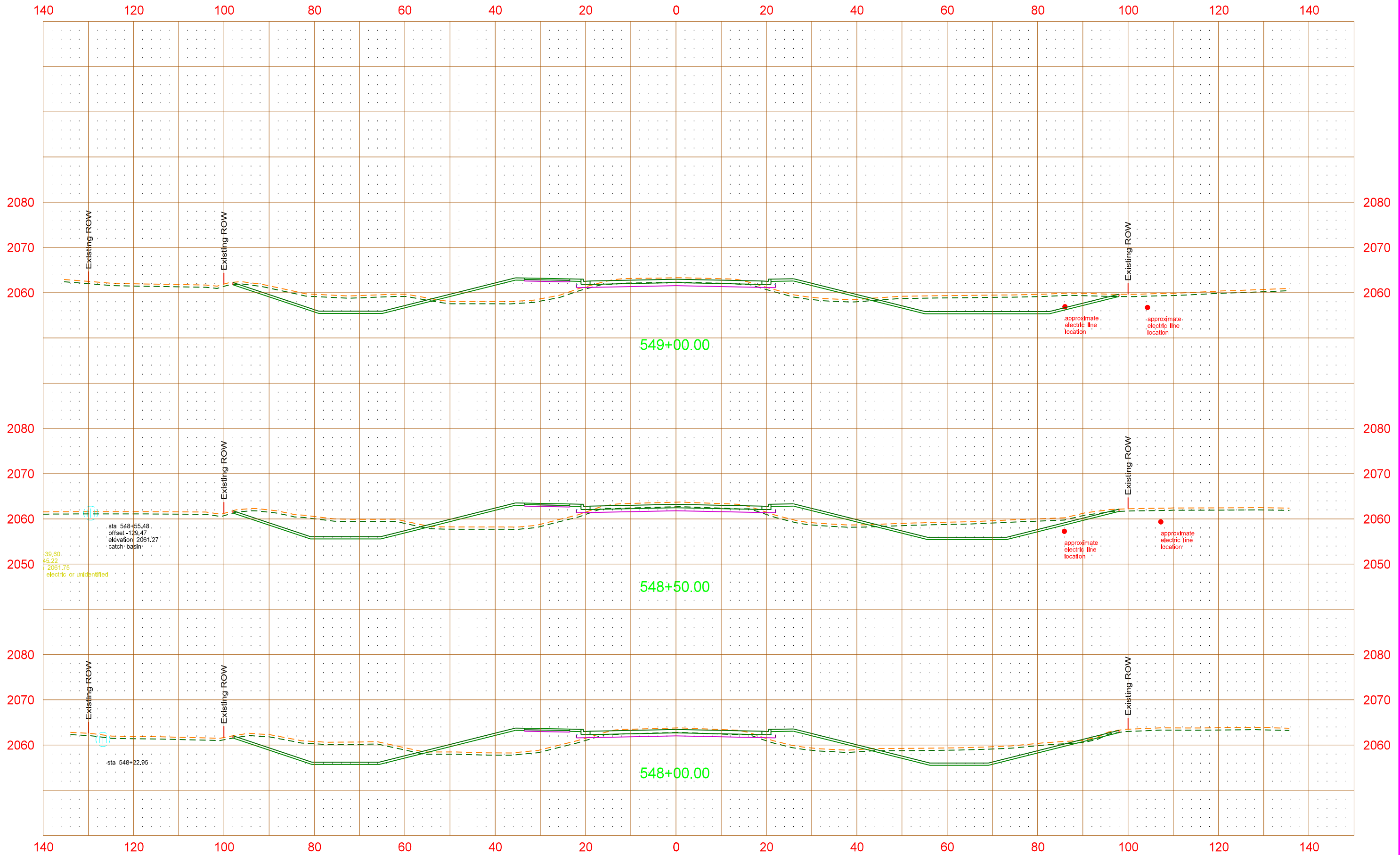
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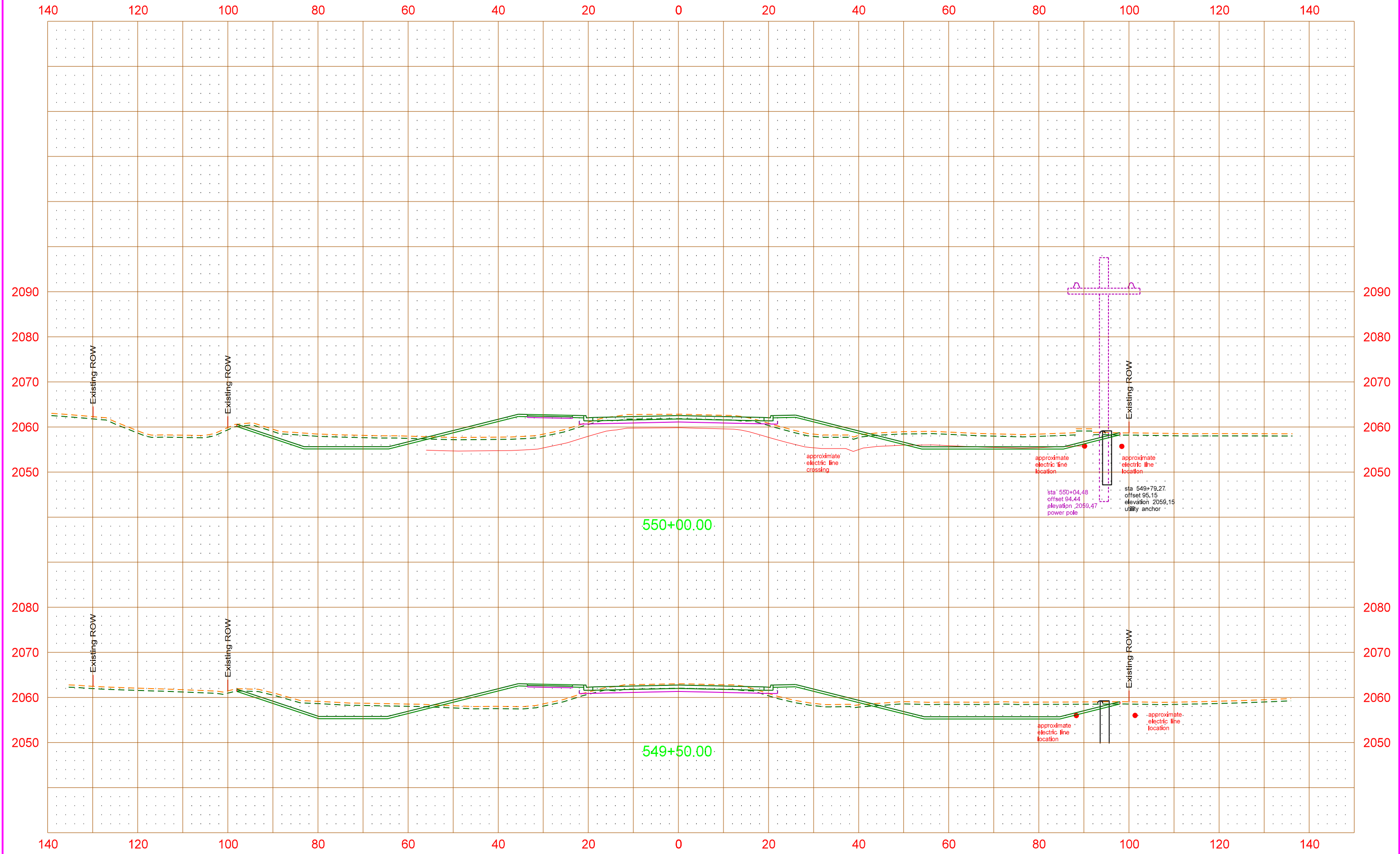
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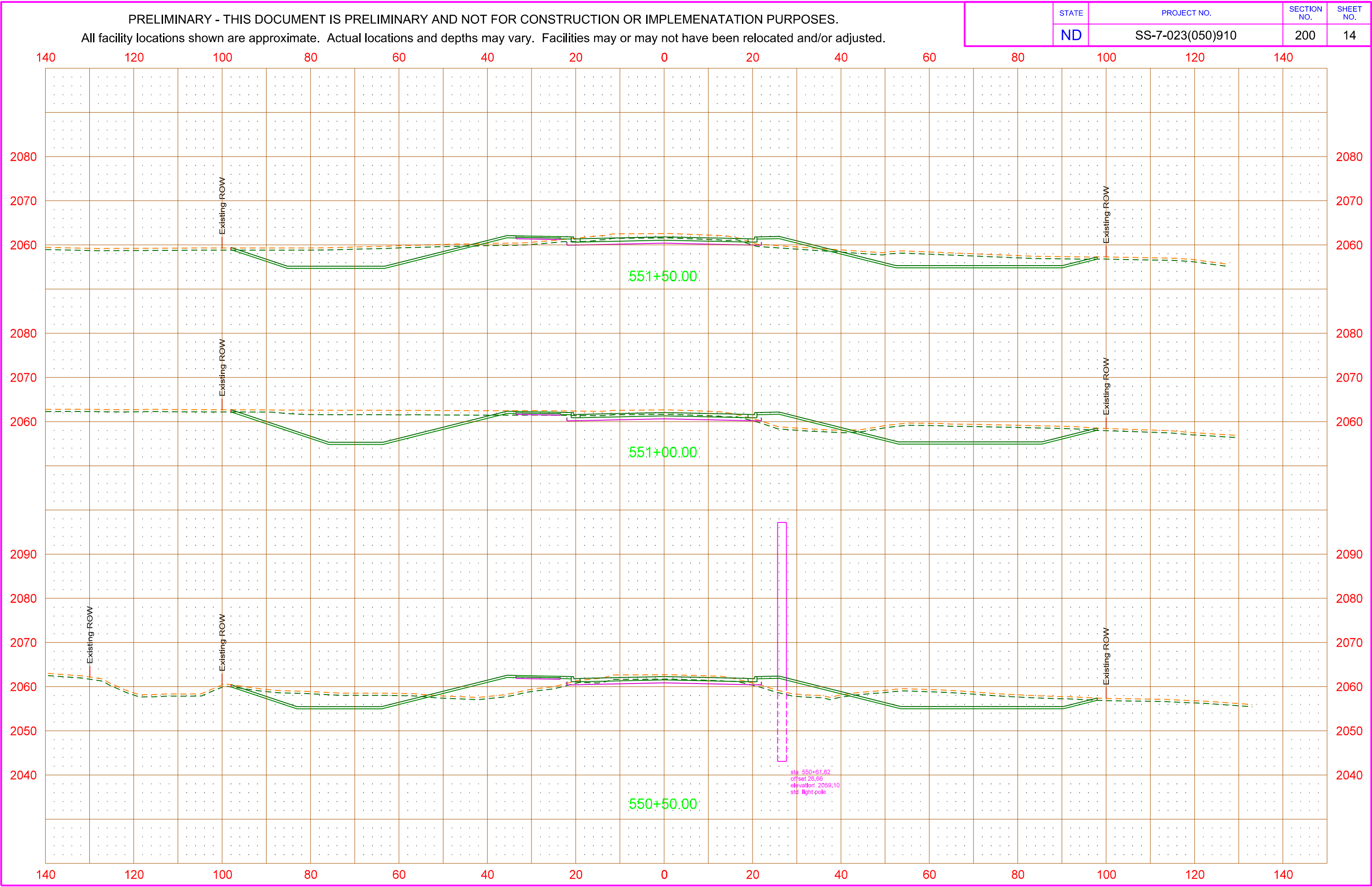
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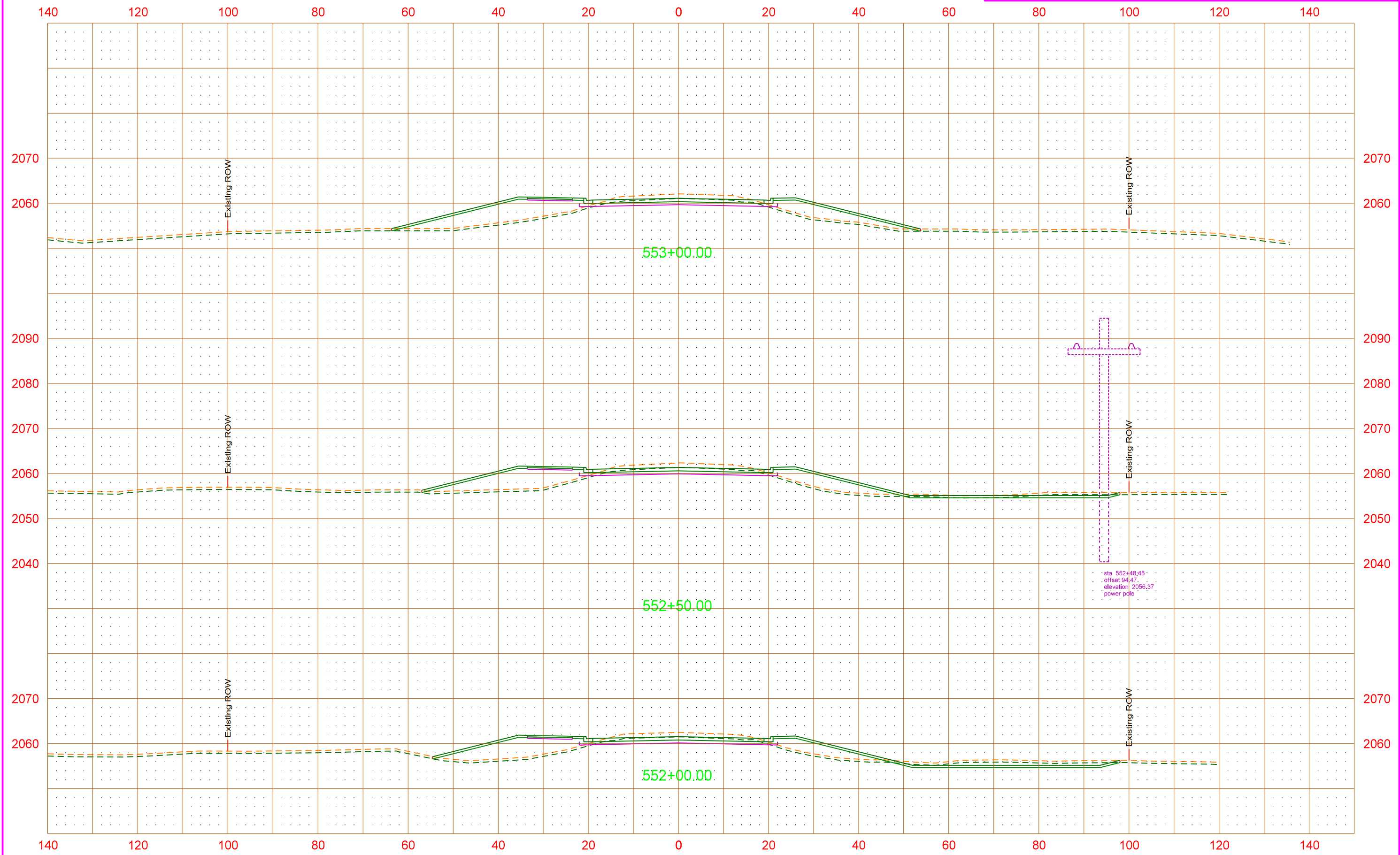
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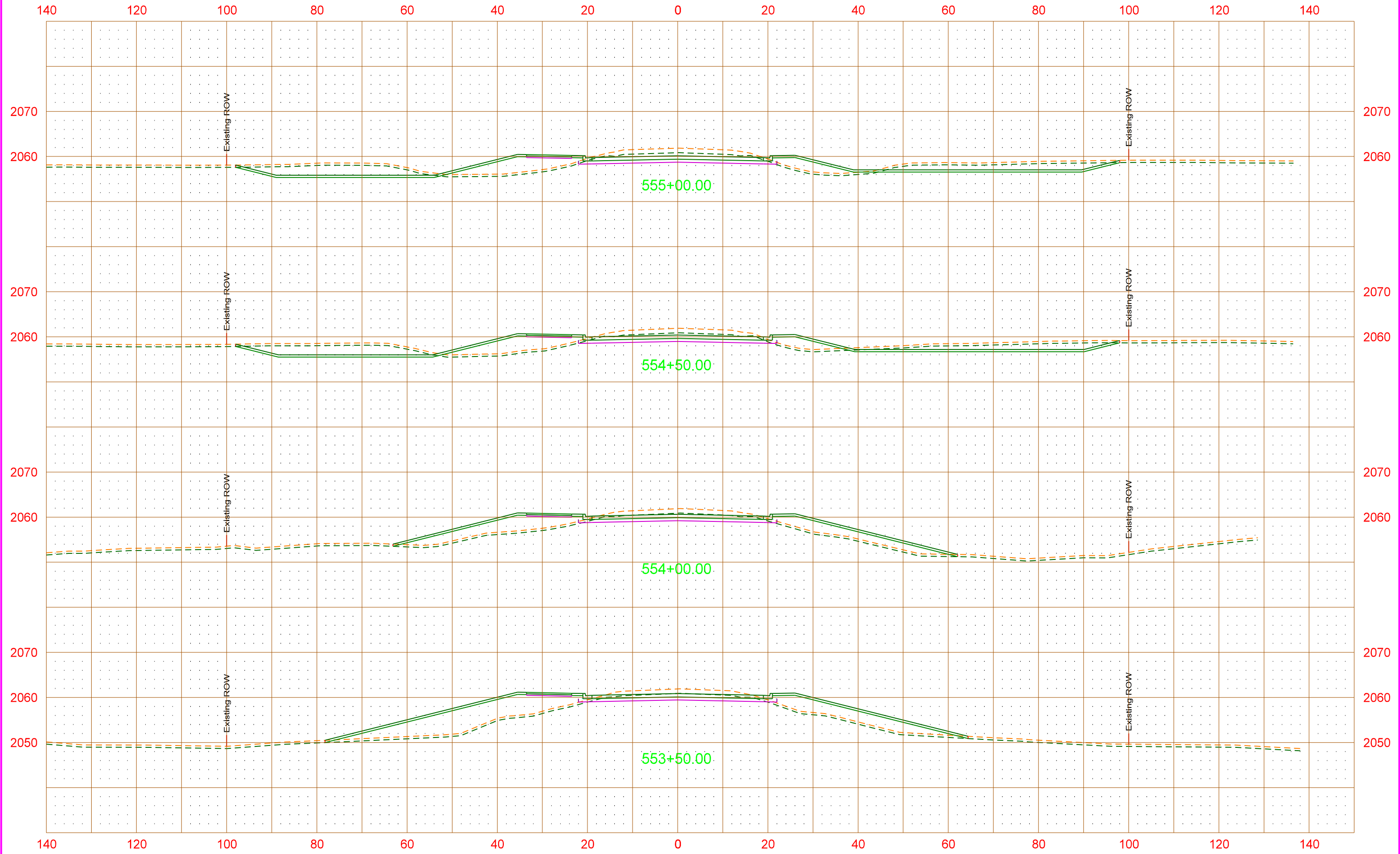
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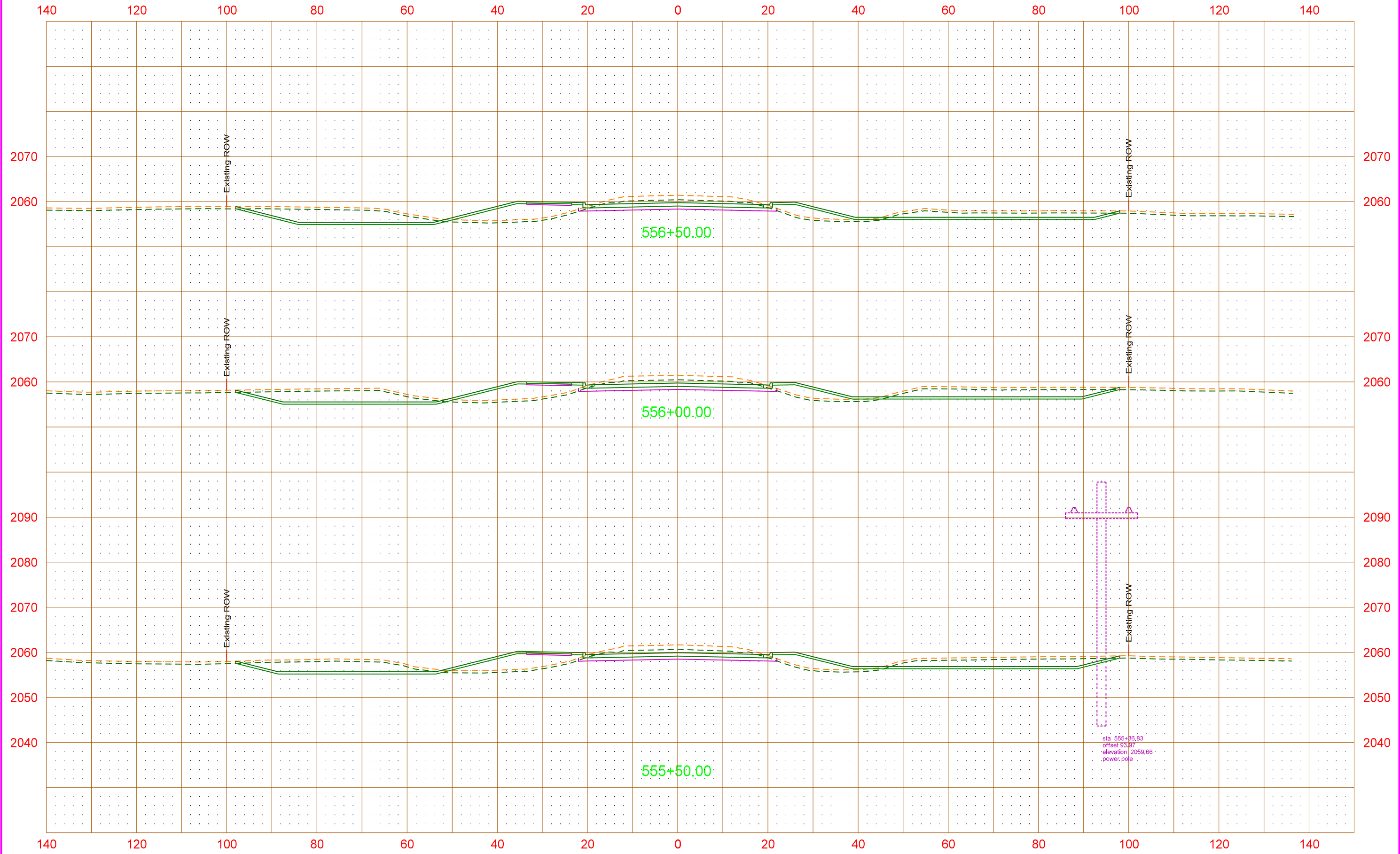
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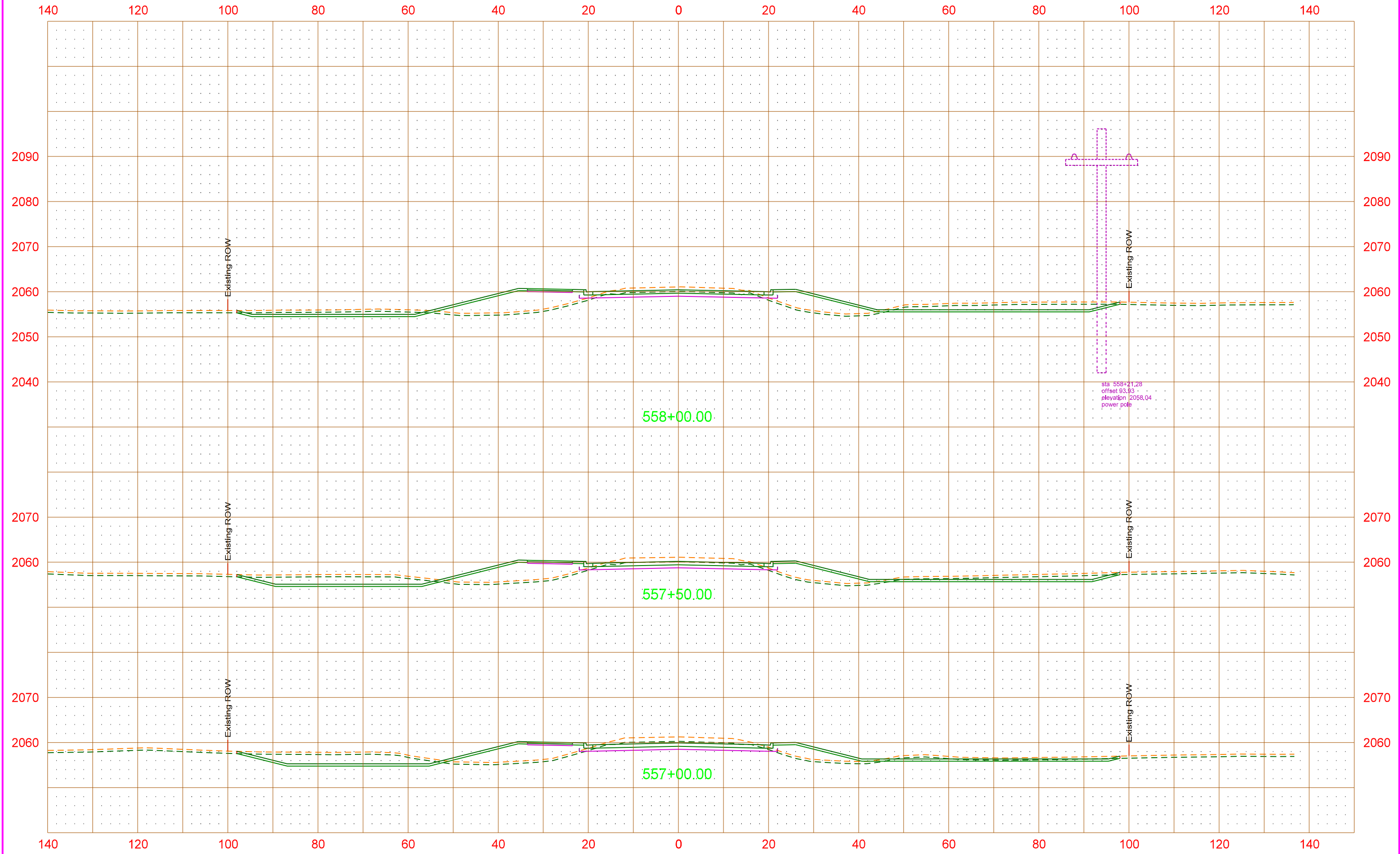
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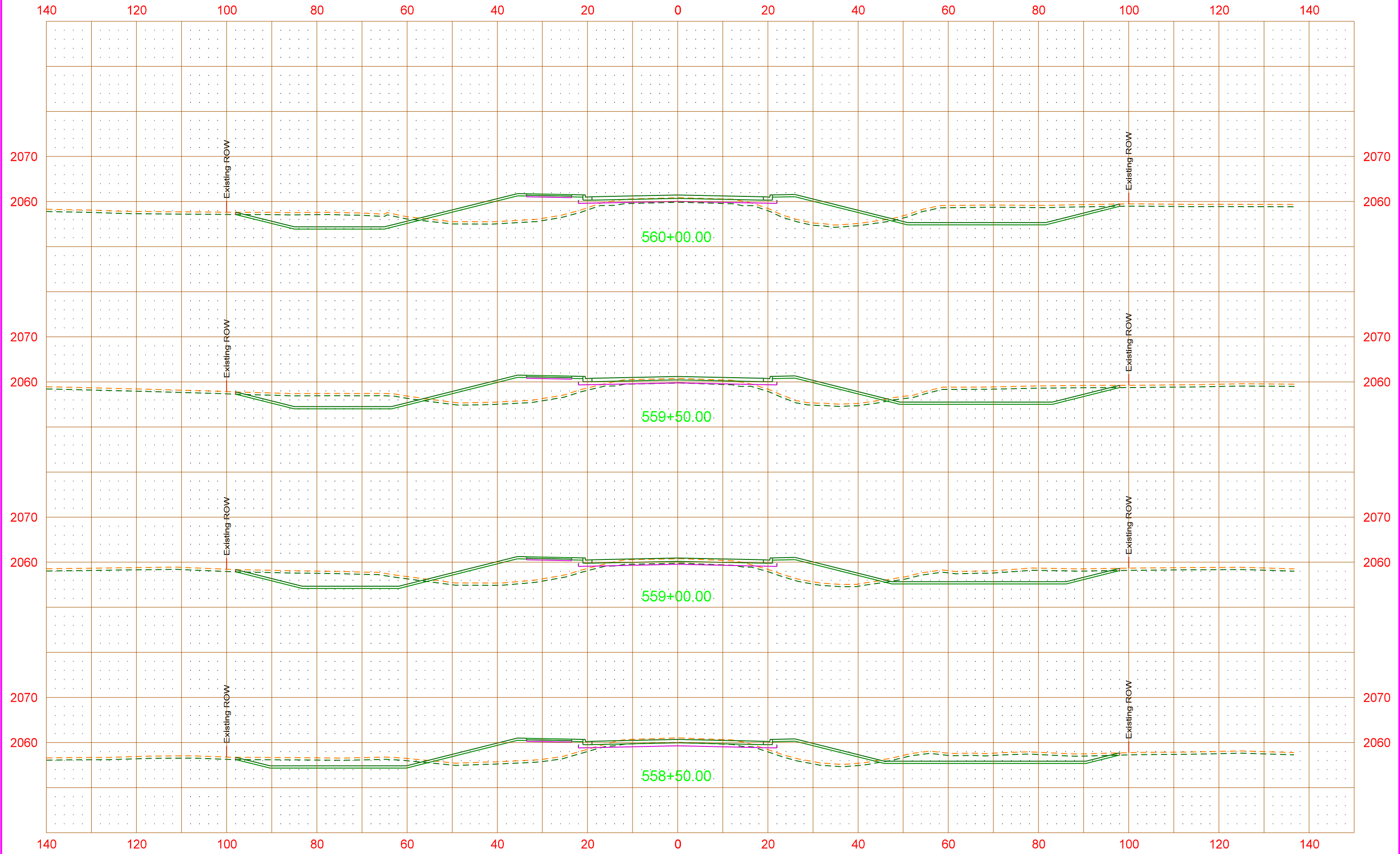
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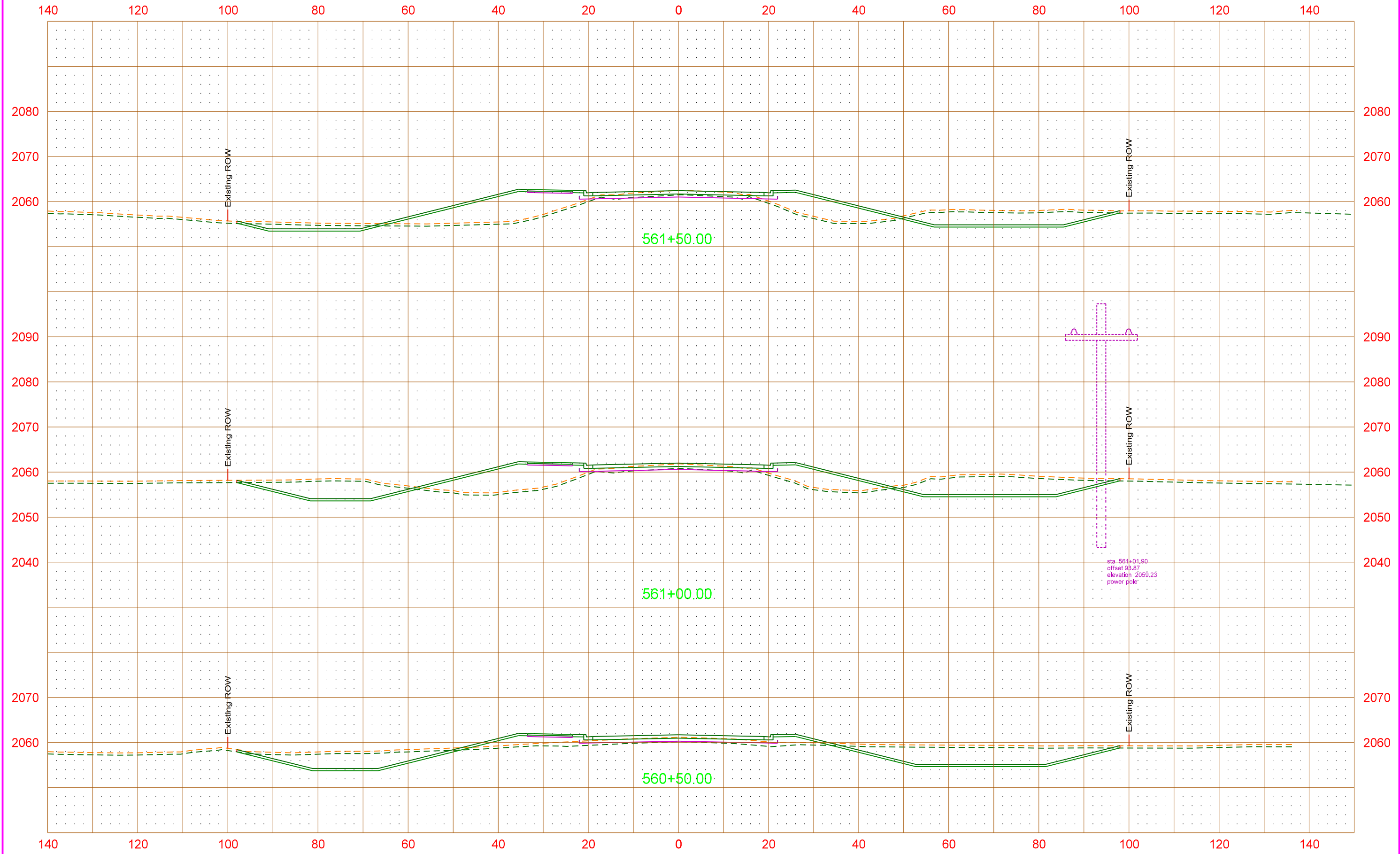
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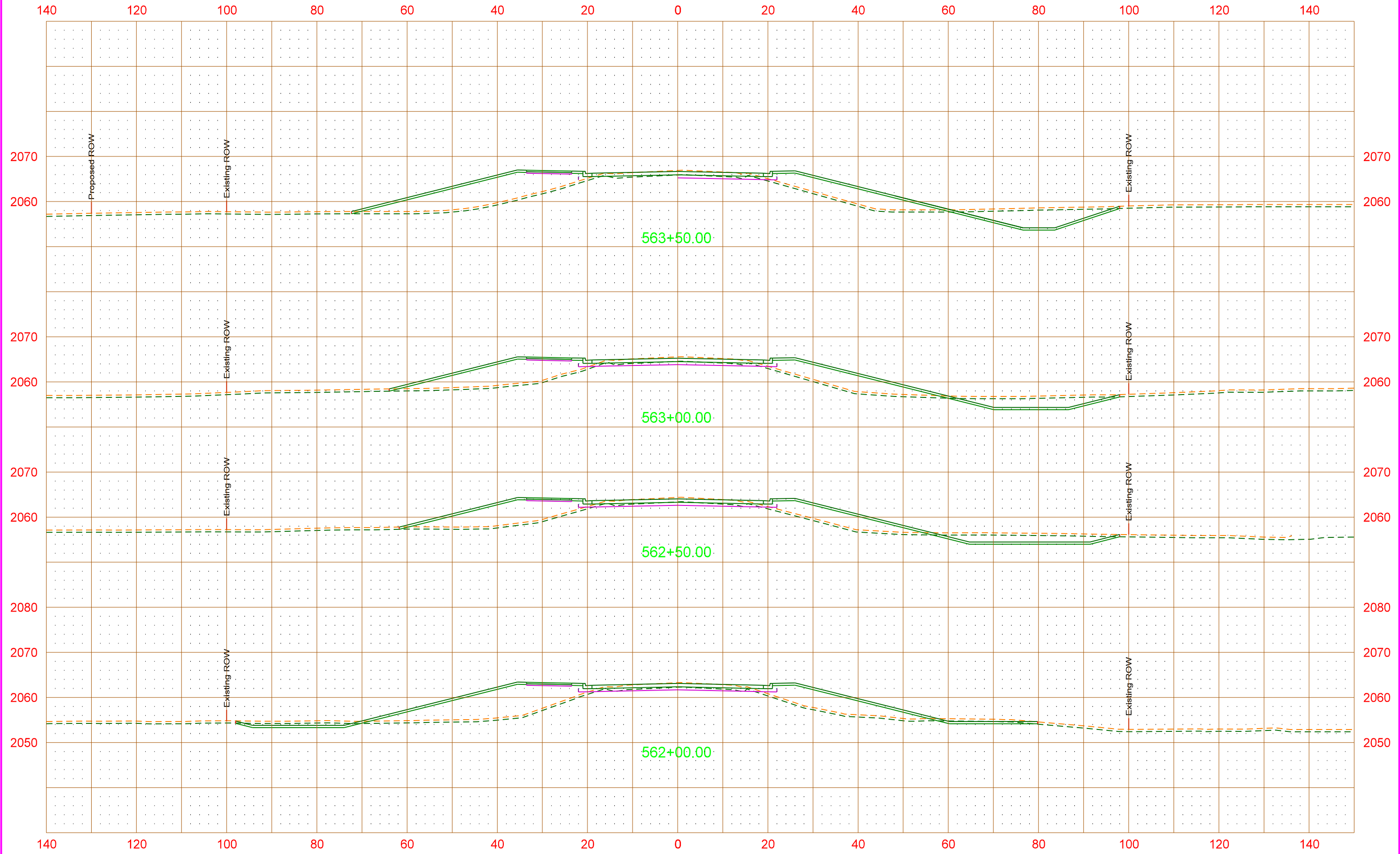
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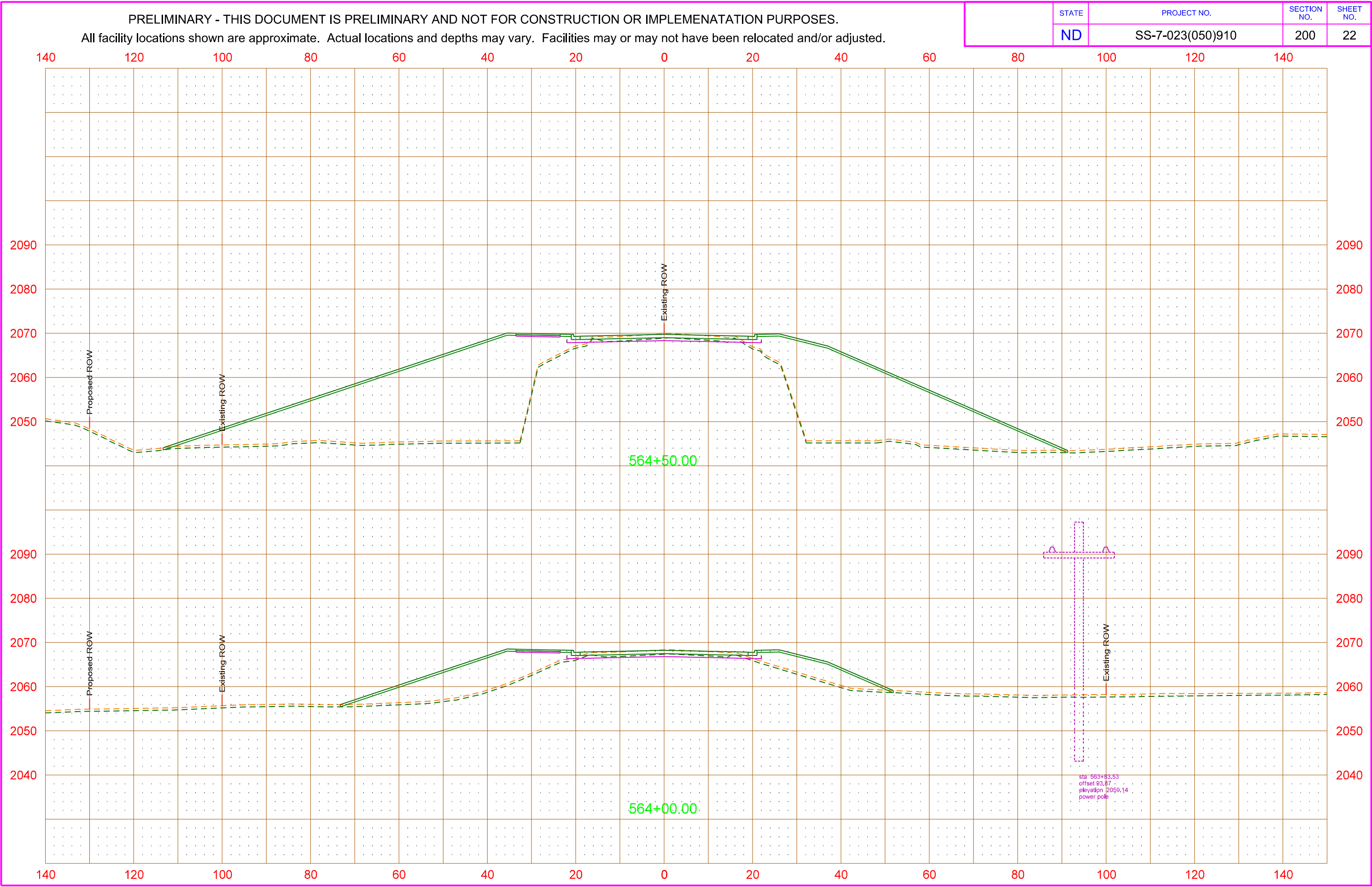
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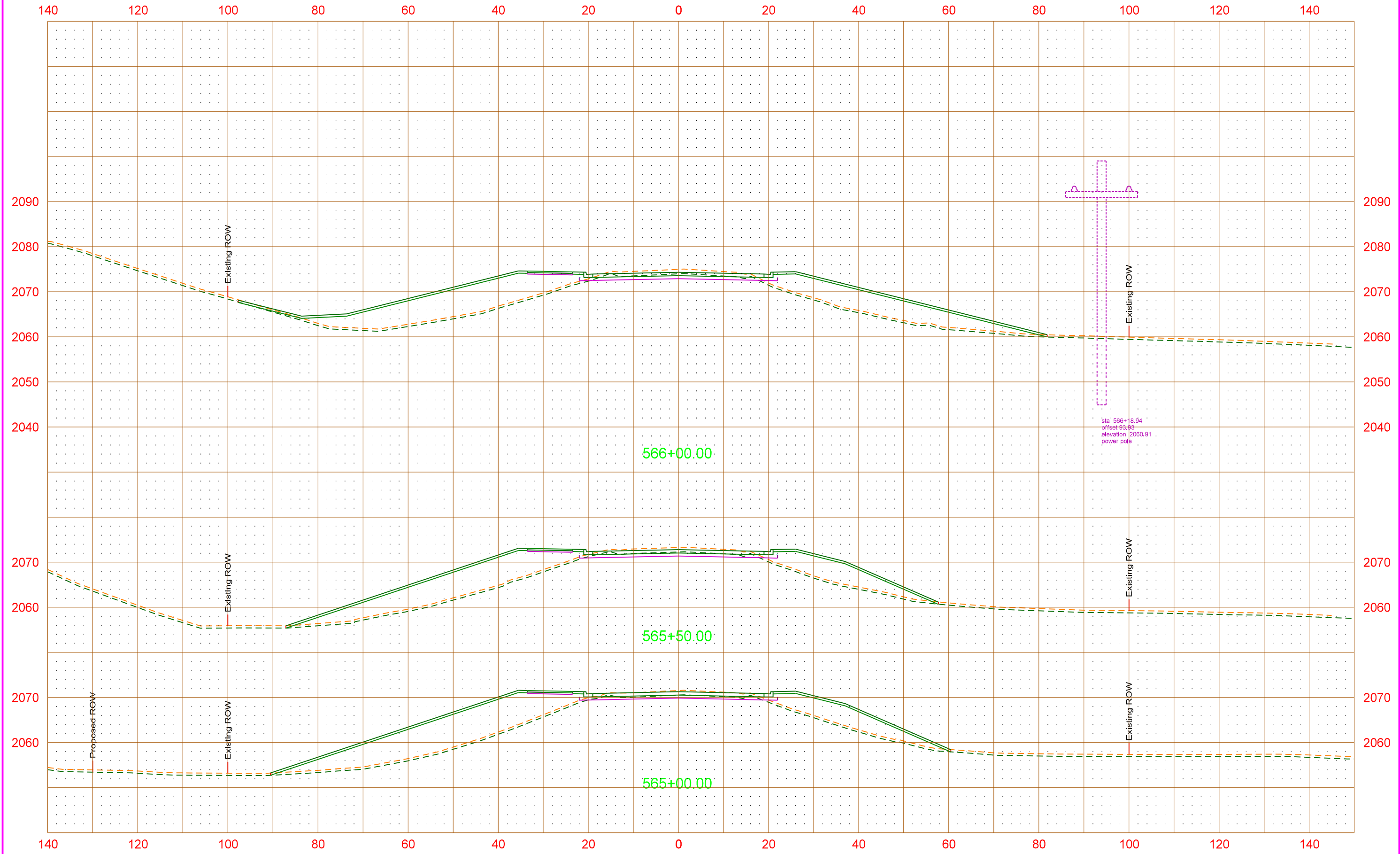
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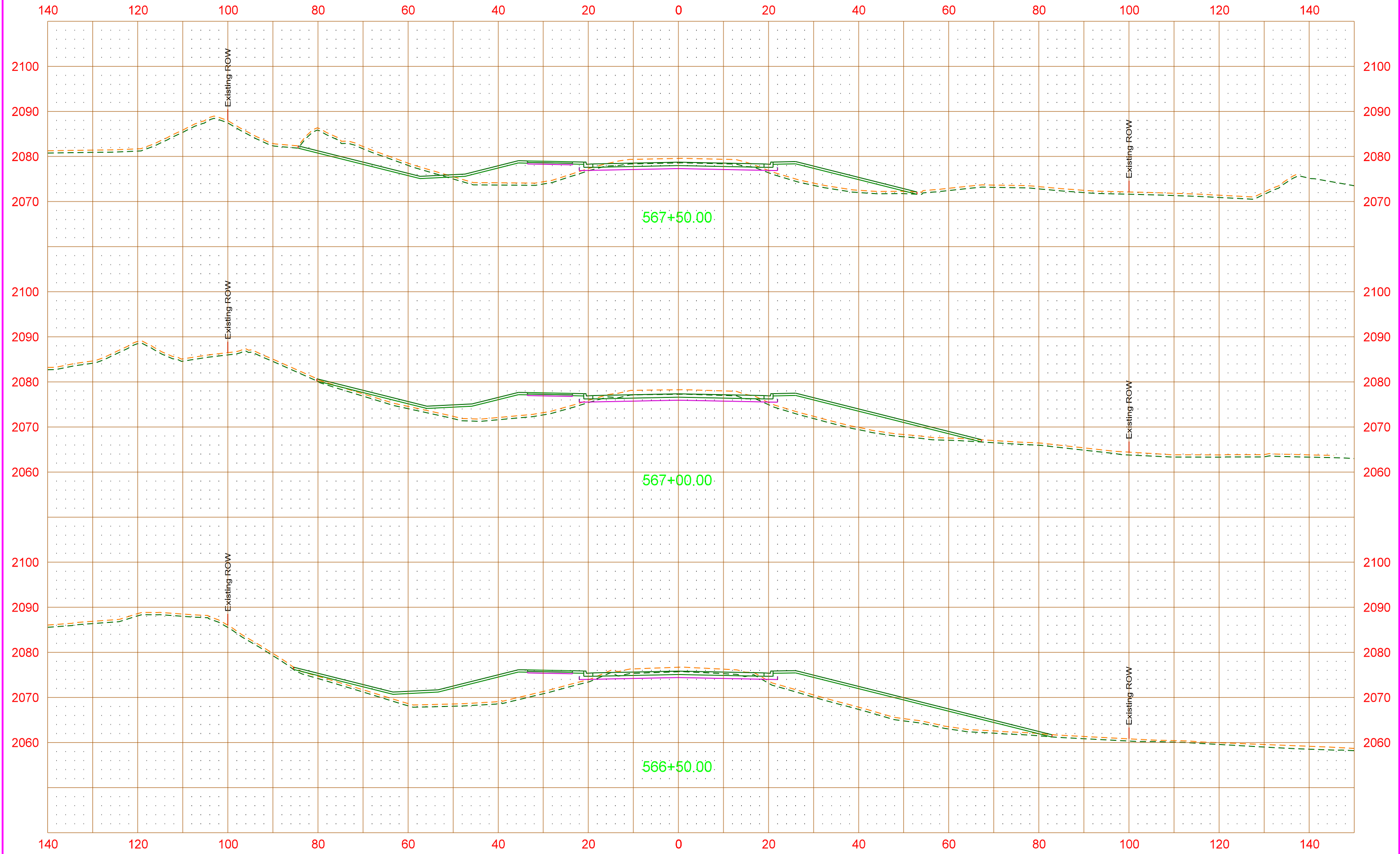
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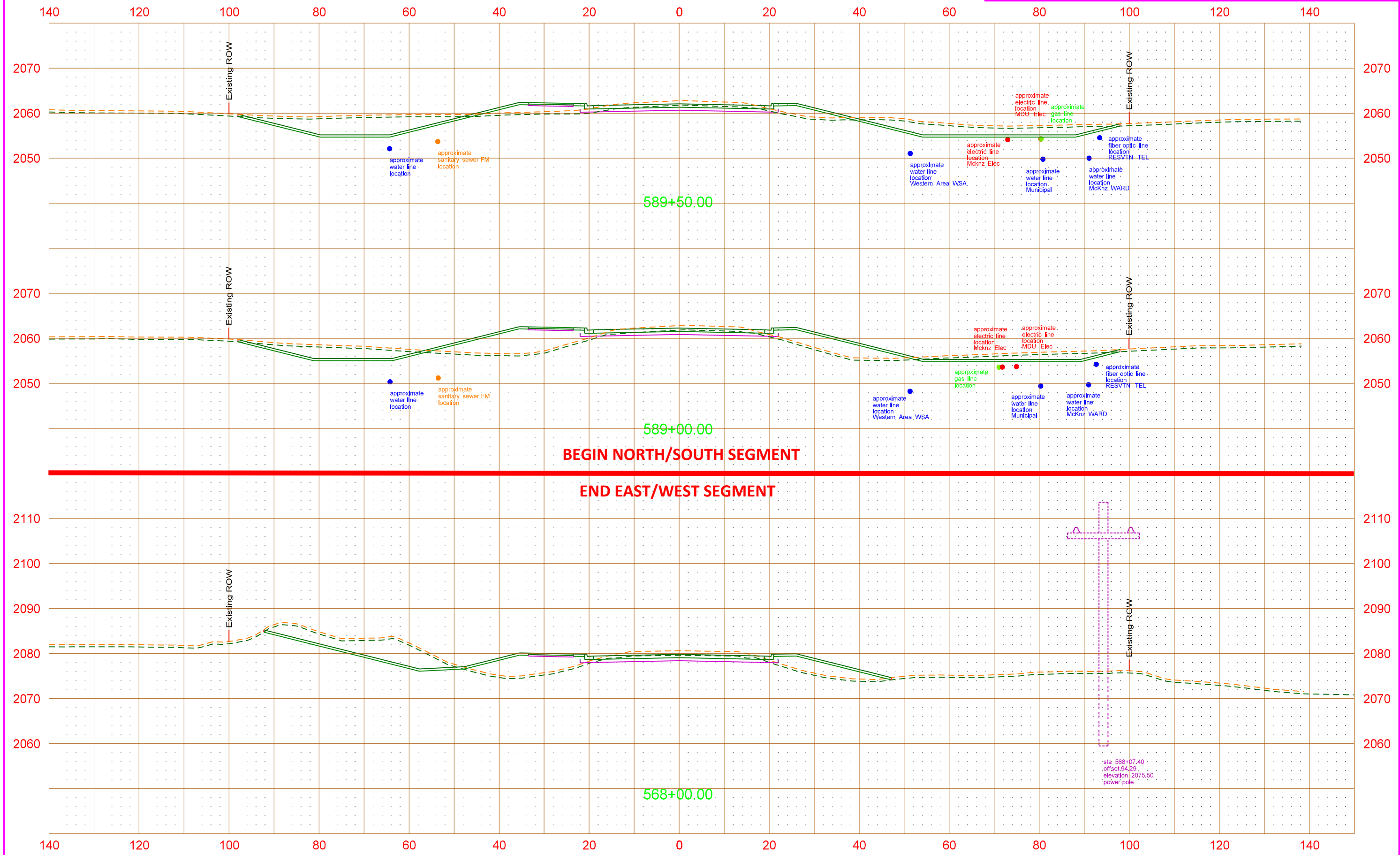
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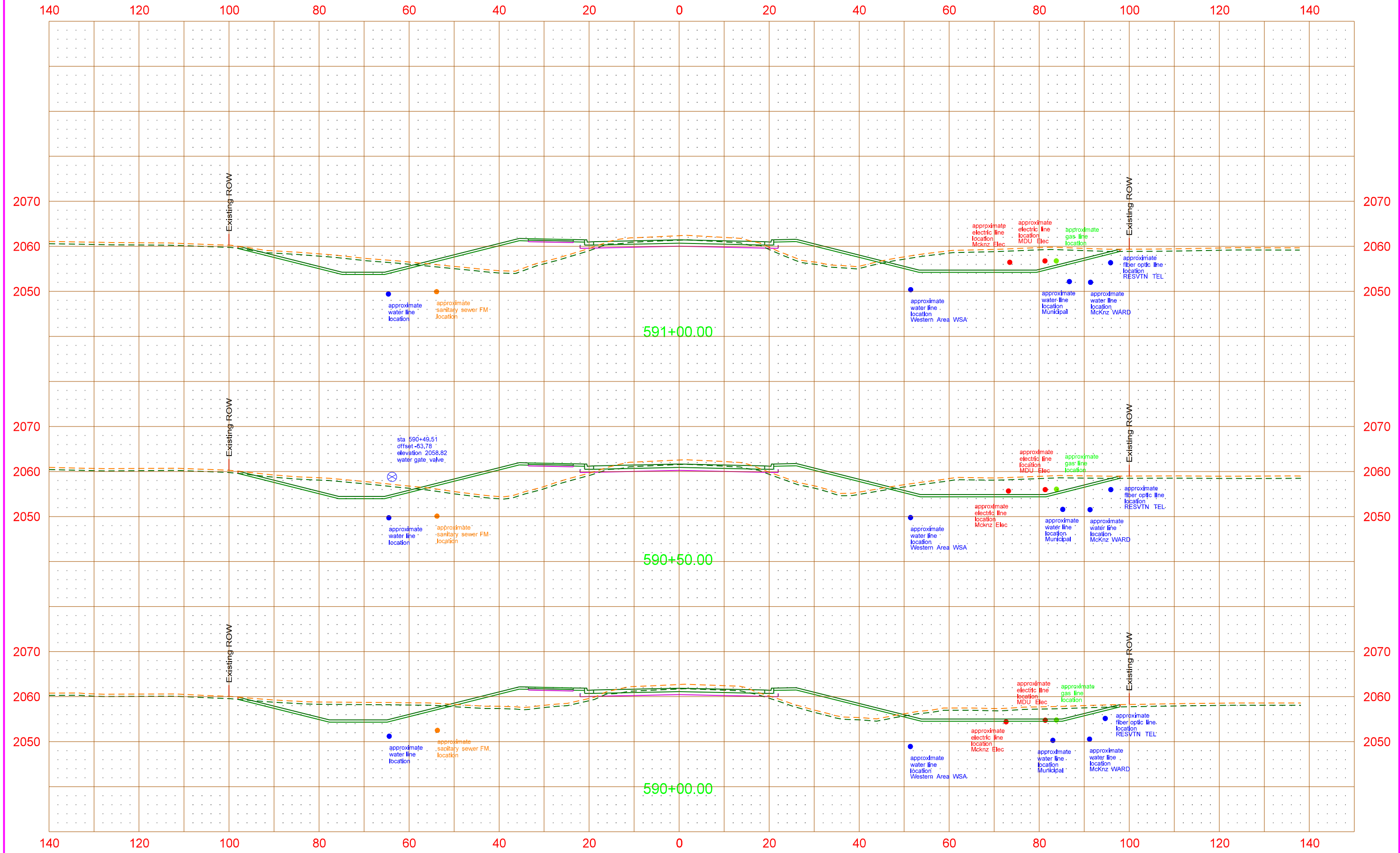
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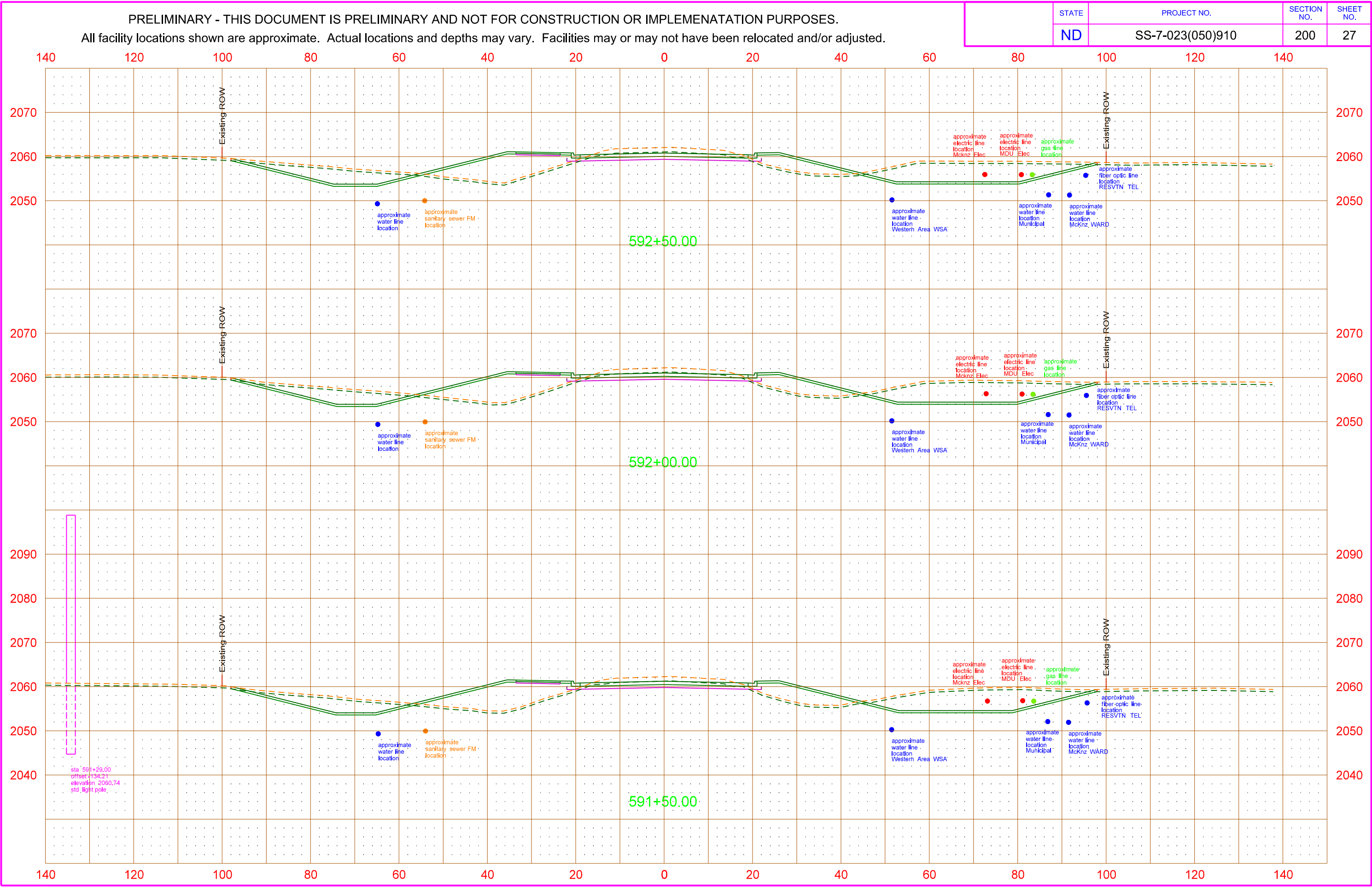
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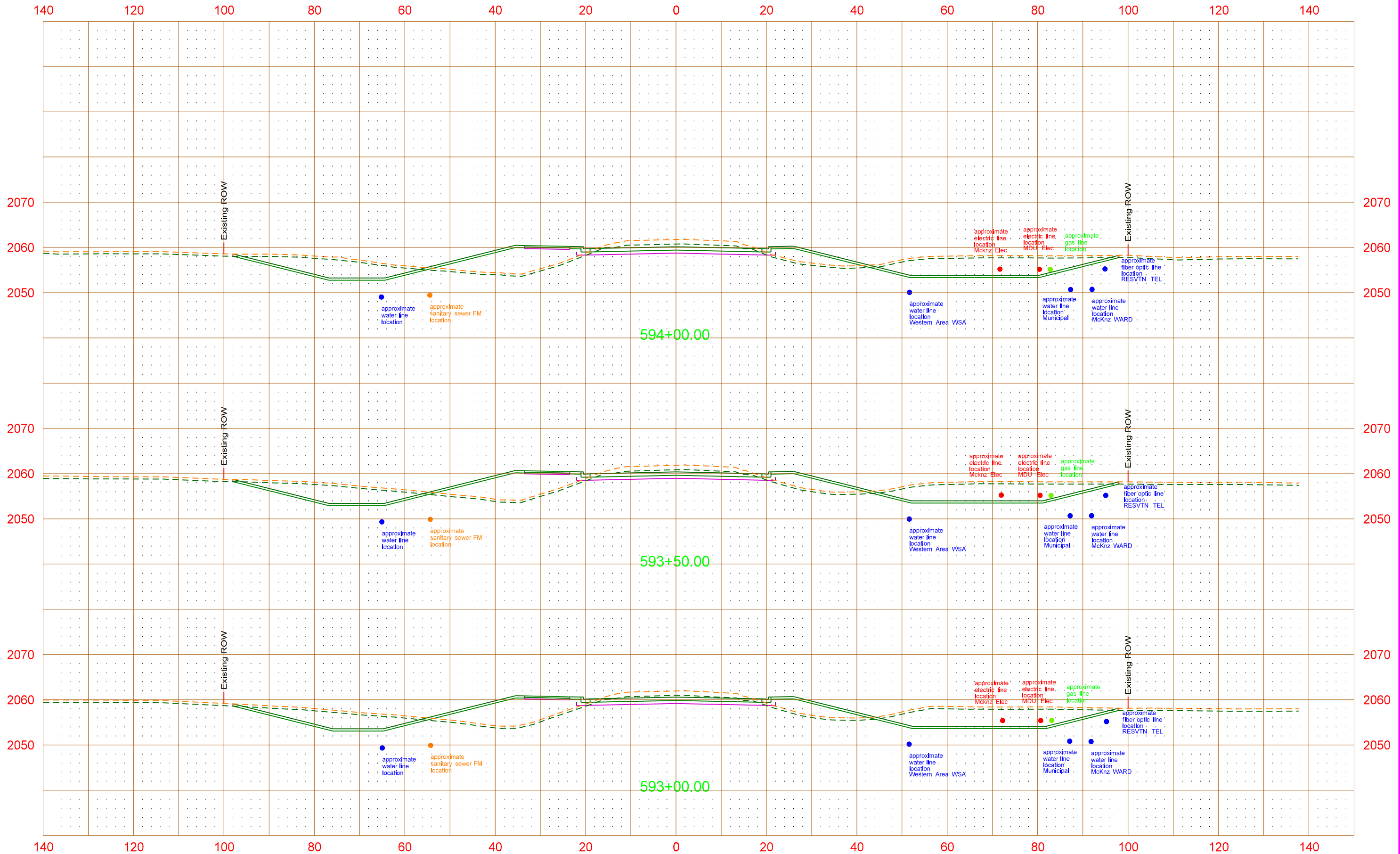
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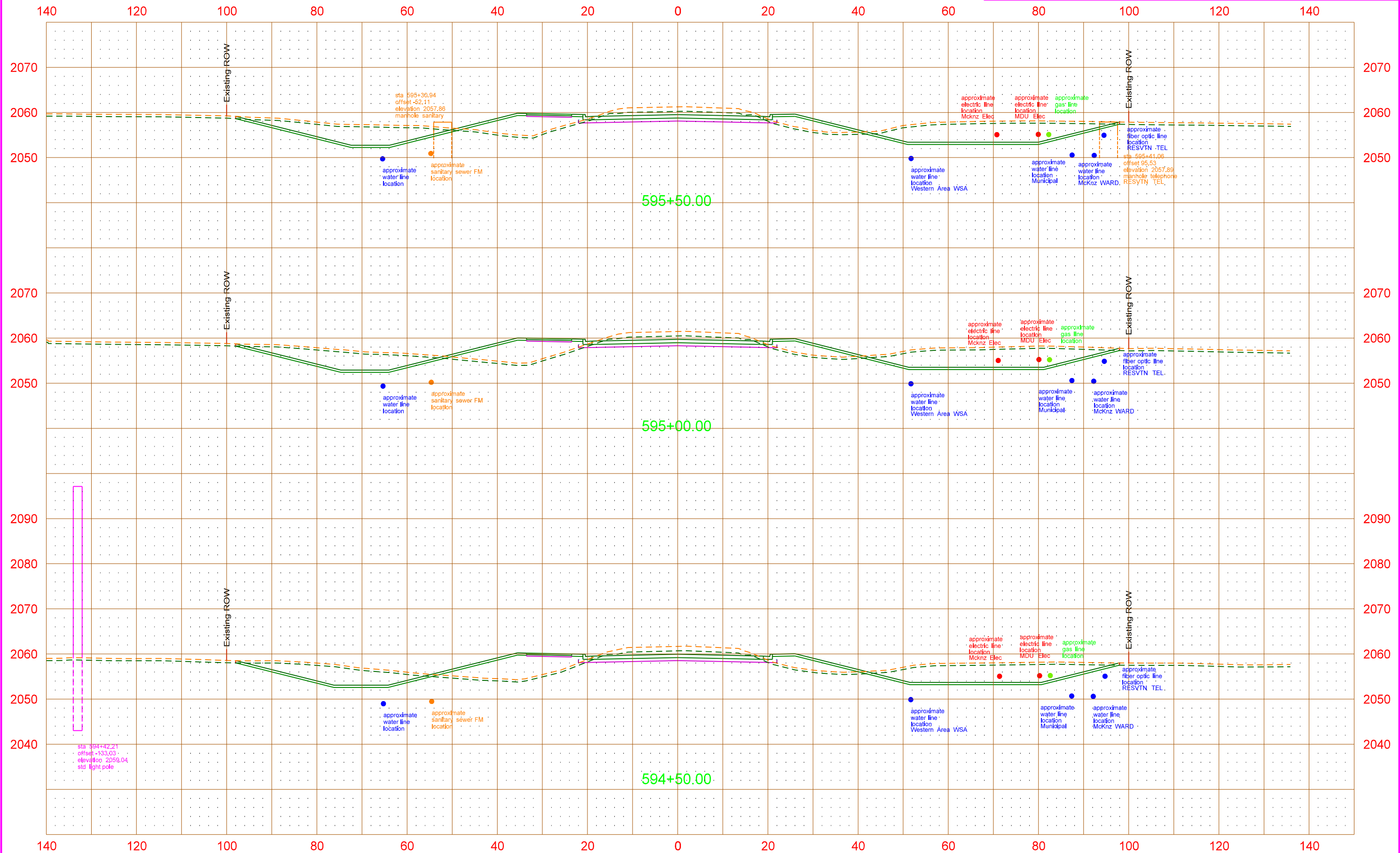
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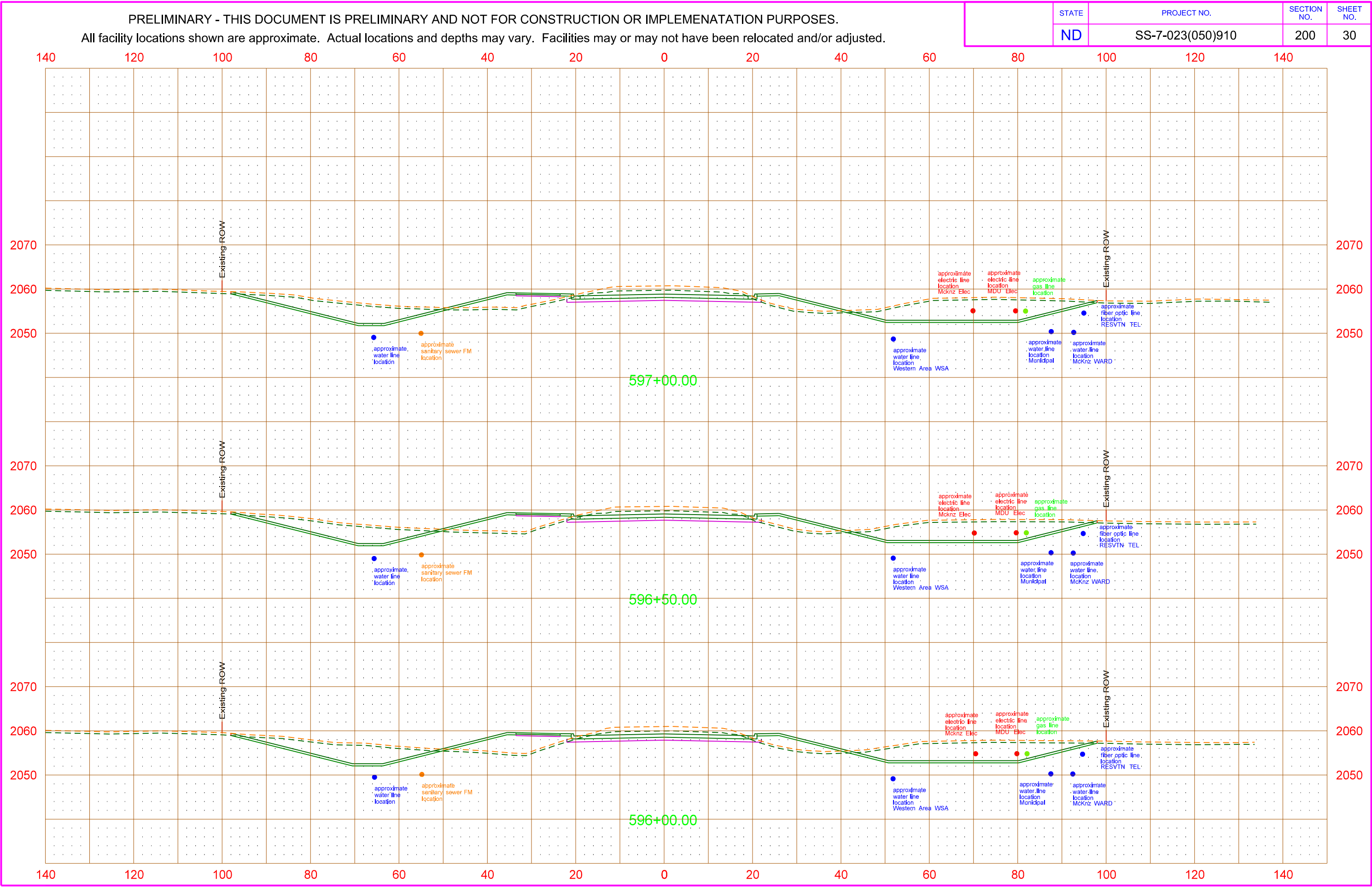
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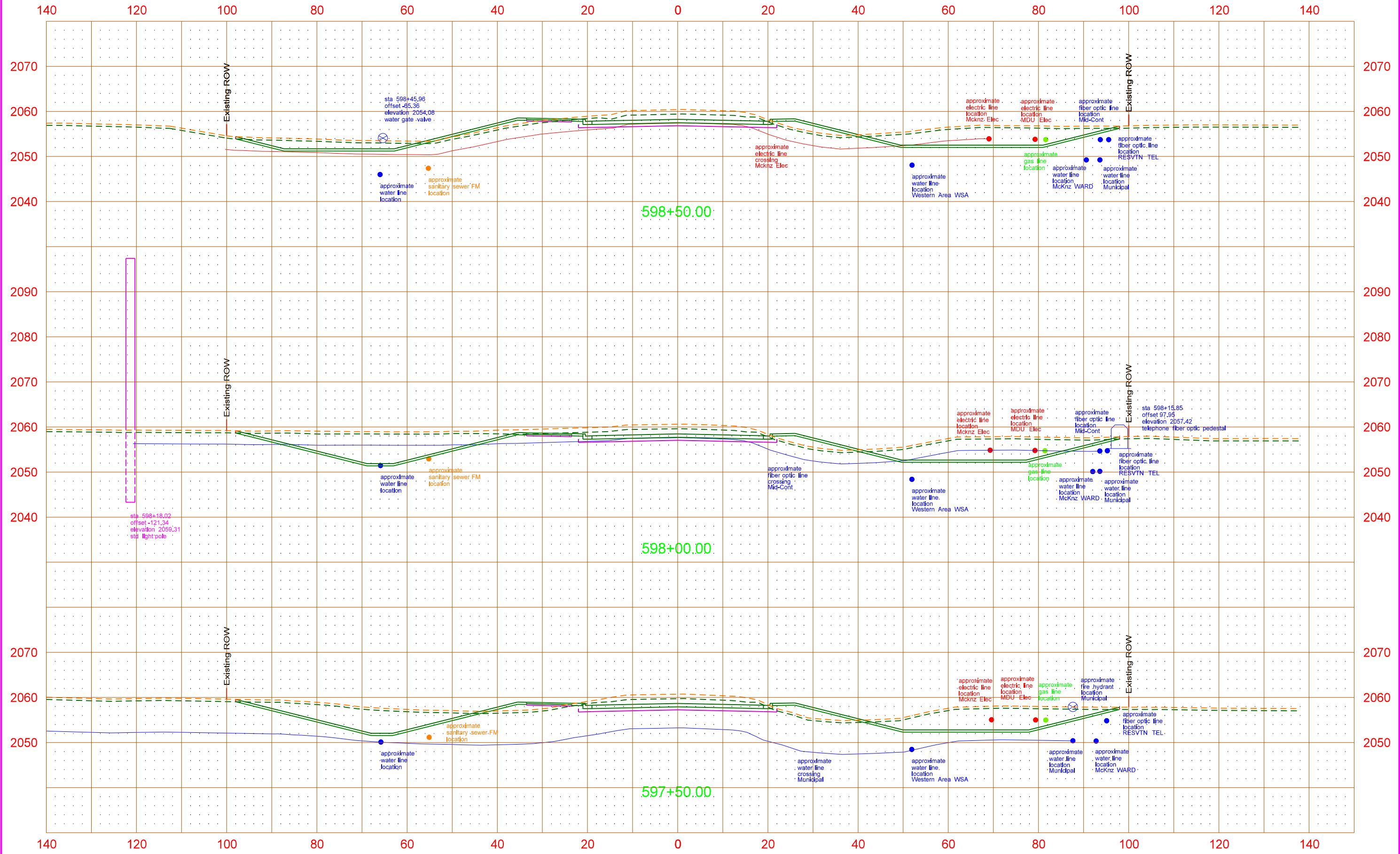
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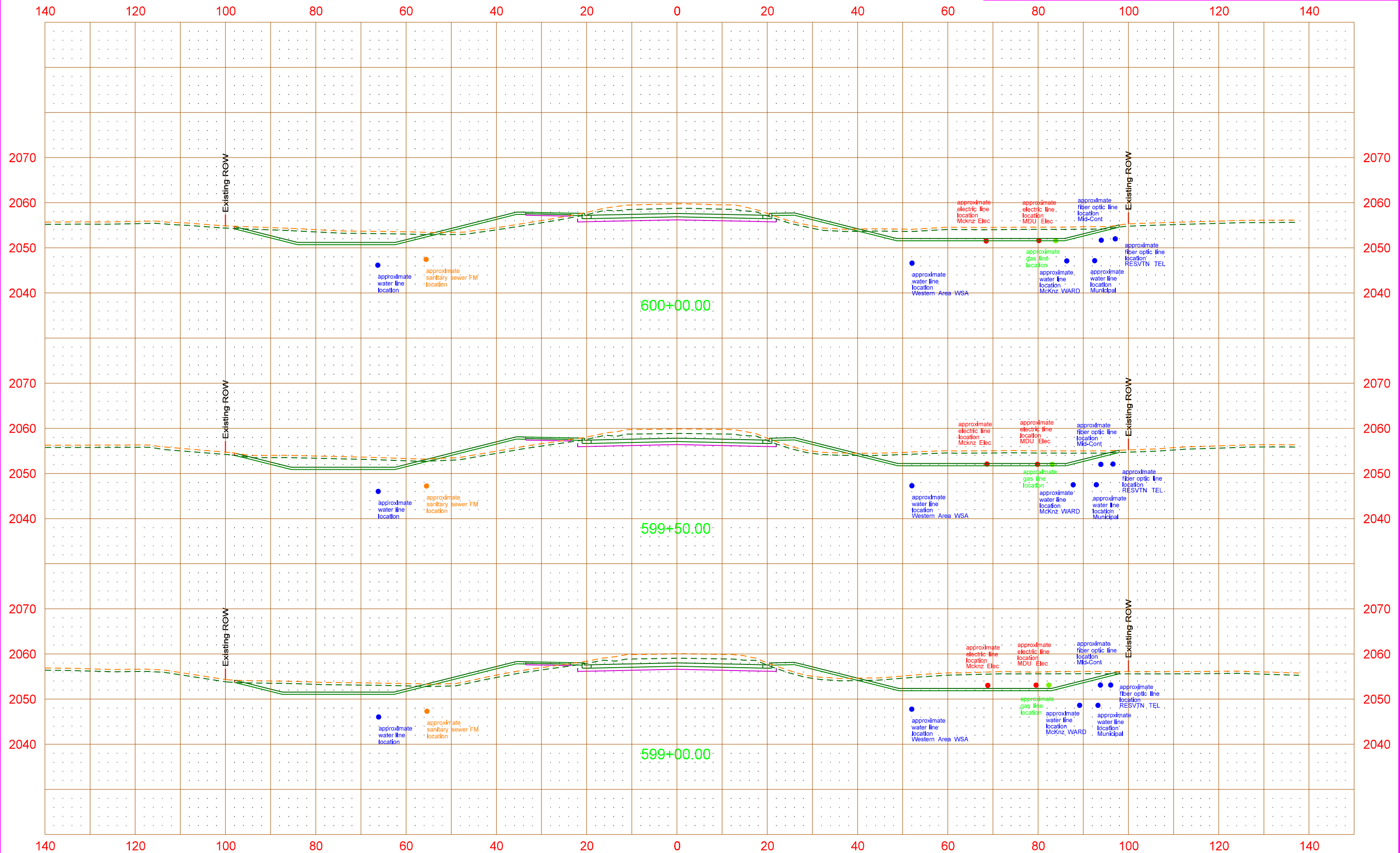
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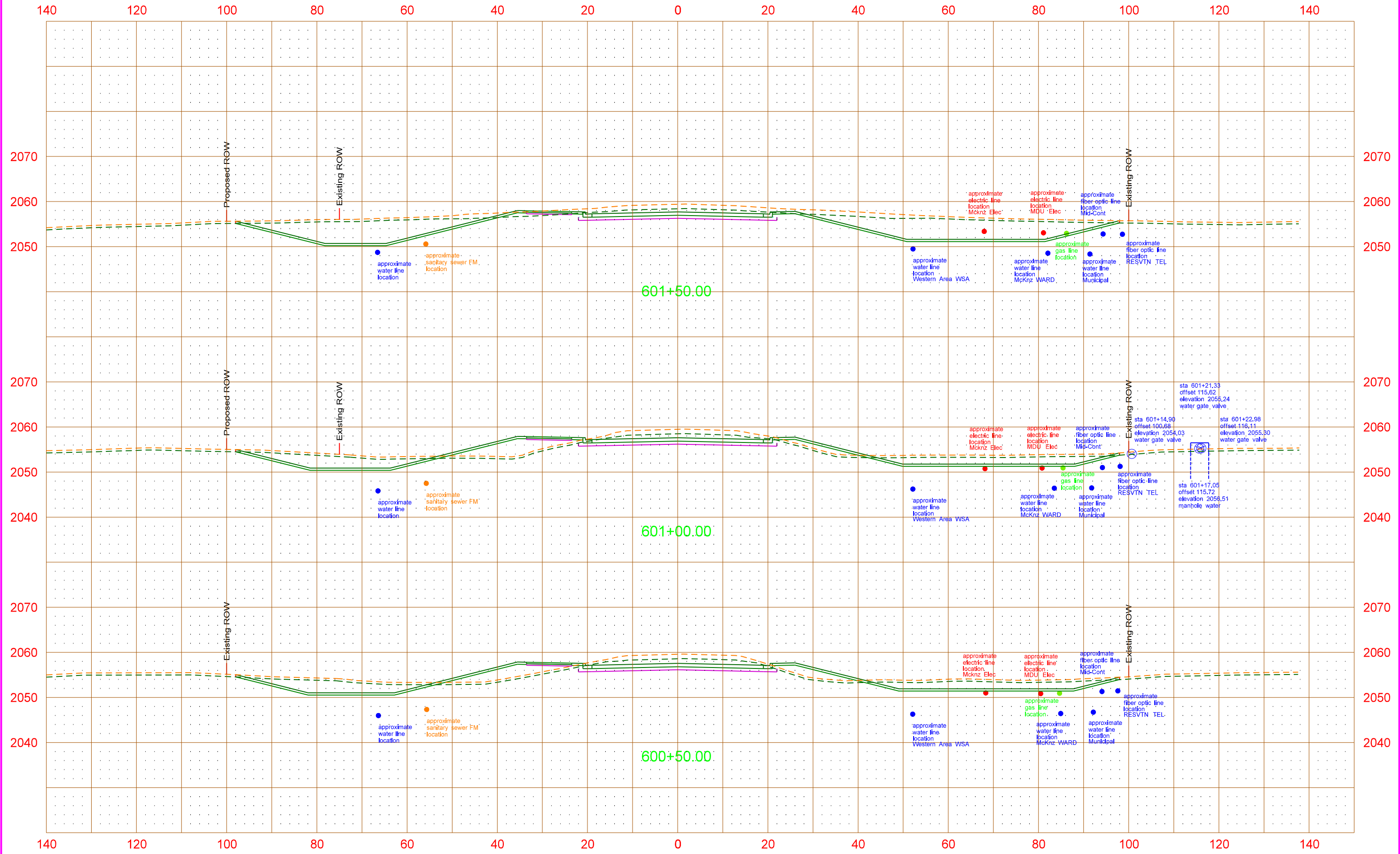
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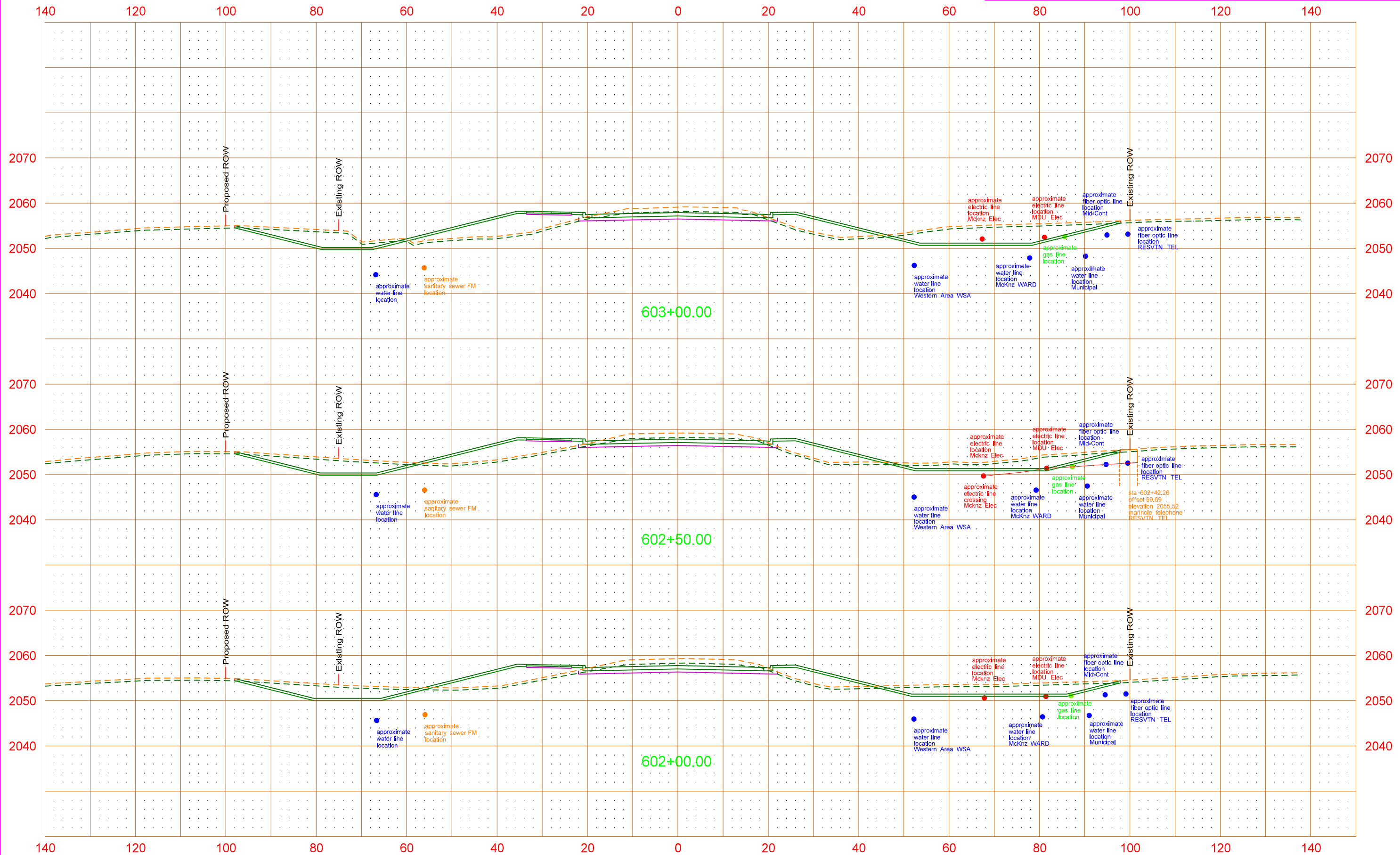
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	ND	SS-7-023(050)910	200	33



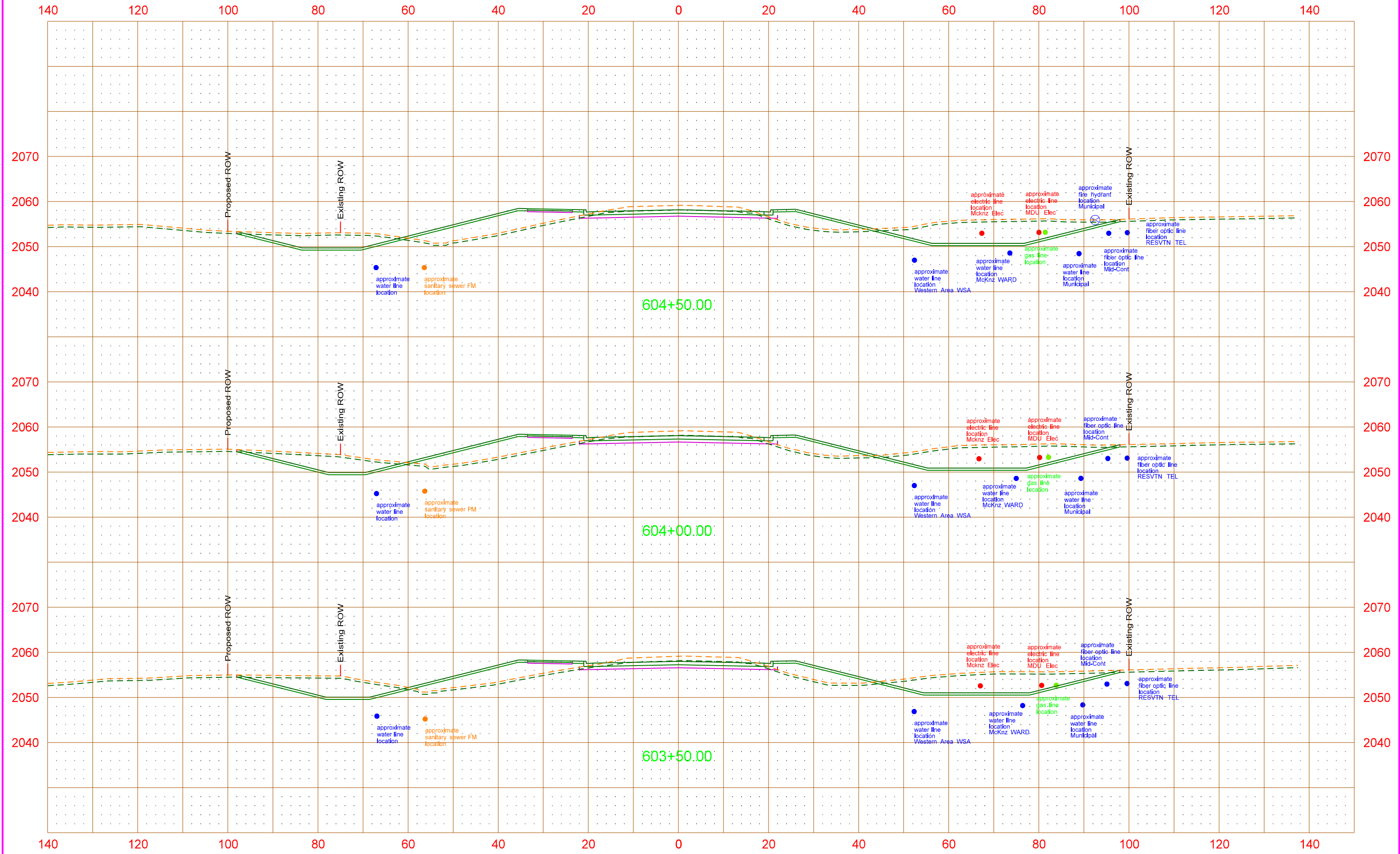
All facility locations shown are approximate. Actual locations and depths may vary. Facilities may or may not have been relocated and/or adjusted.

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SS-7-023(050)910	200	34



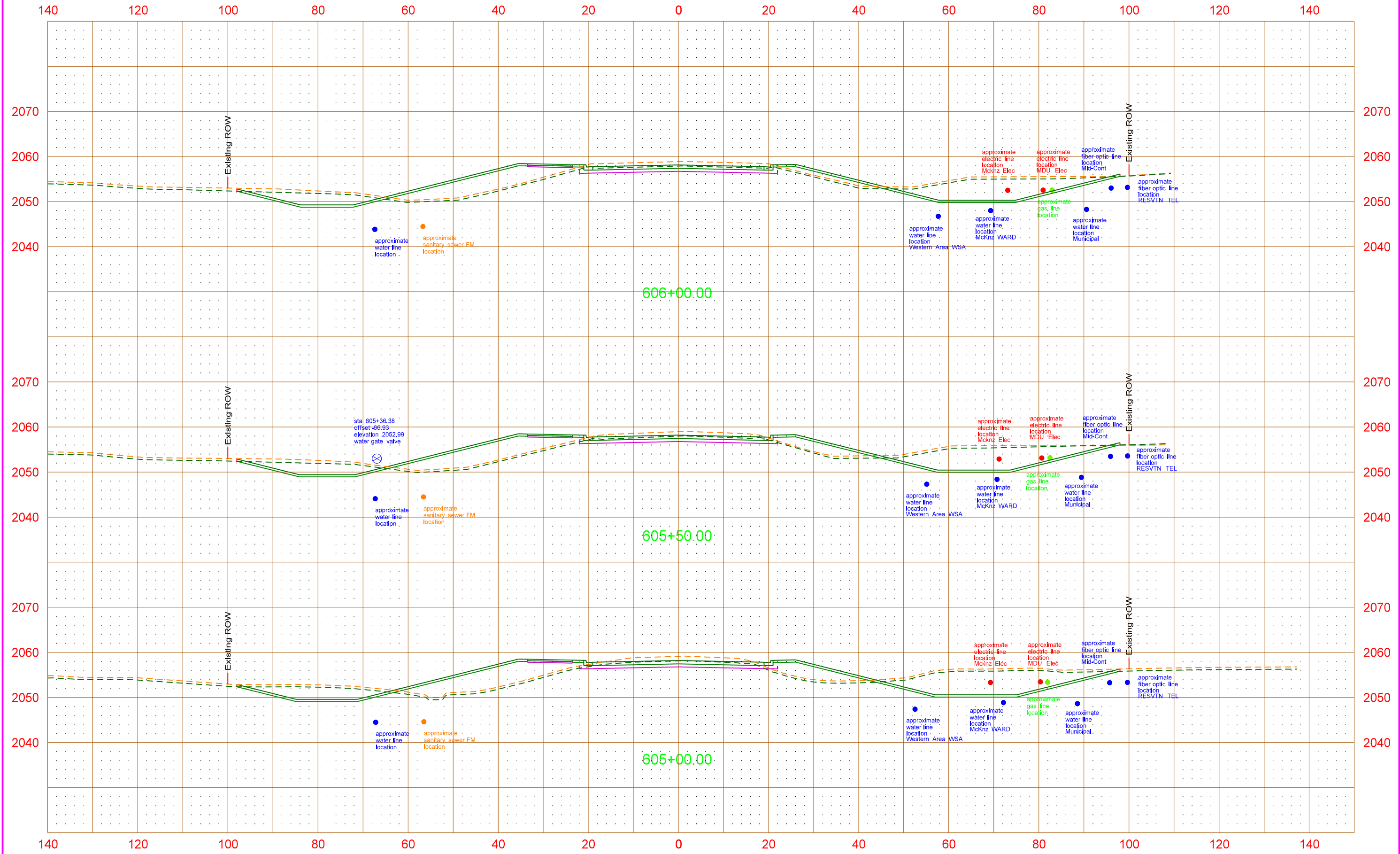
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SS-7-023(050)910	200	35



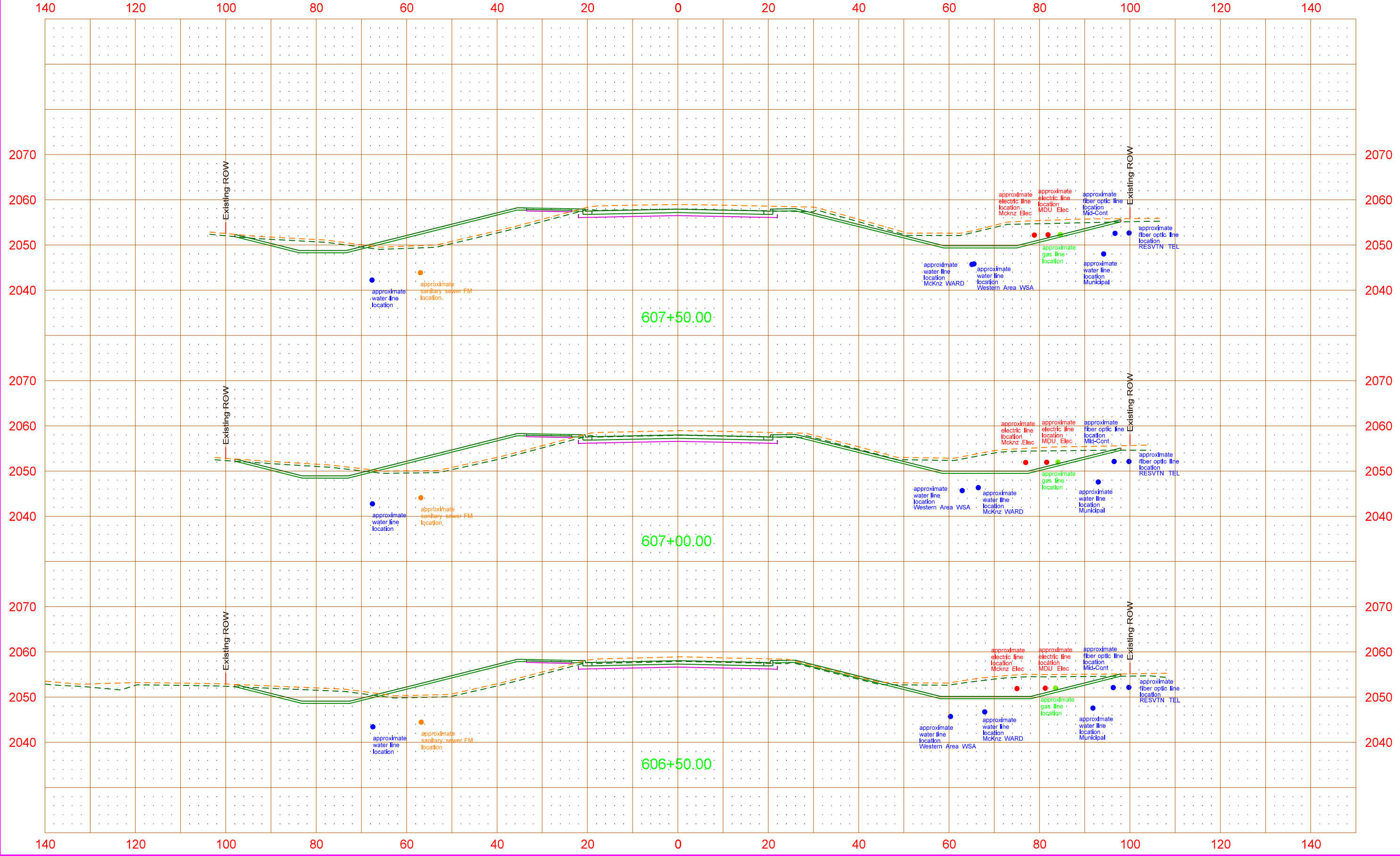
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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-7-023(050)910	200	36



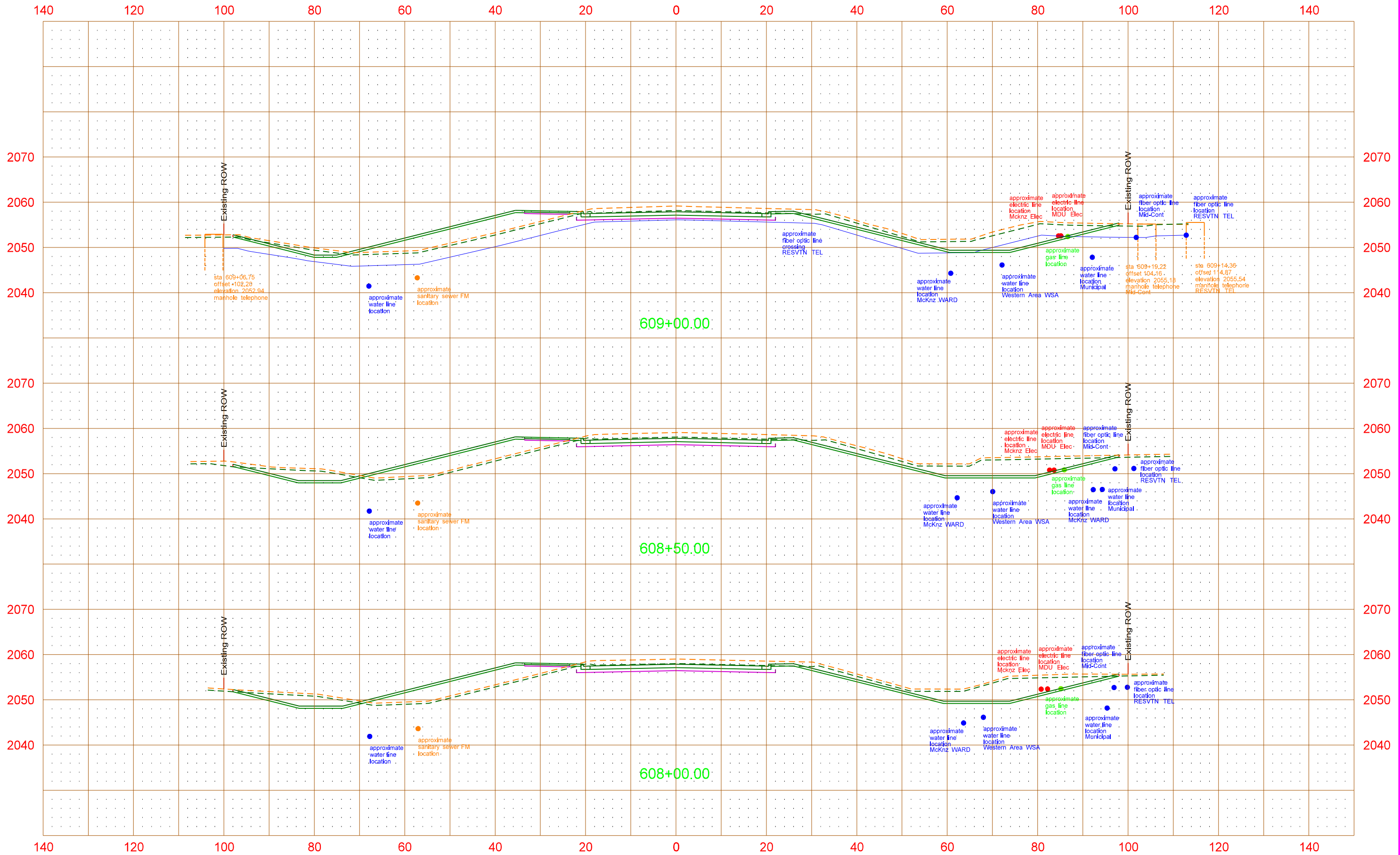
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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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All facility locations shown are approximate. Actual locations and depths may vary. Facilities may or may not have been relocated and/or adjusted.

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SS-7-023(050)910	200	38



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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-7-023(050)910	200	39

