



UTILITY COMMITTEE MEETING AGENDA

May 15, 2025 at 5:00 PM

Kronenwetter Municipal Center - 1582 Kronenwetter Drive Room A121

1. CALL MEETING TO ORDER

- A. Pledge of Allegiance
- B. Roll Call

2. PUBLIC COMMENT

Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this Village that Public Comment will take no longer than 15 minutes with a three-minute time period, per person, with time extension per the Chief Presiding Officer's discretion. Be further advised that there may be limited discussion on the information received, however, no action will be taken under public comments.

3. REPORTS AND DISCUSSIONS

- C. Interim Finance Director Report

4. OLD BUSINESS - DISCUSSION AND POSSIBLE ACTION

- D. Sewer Options for the Proposed New Development - Glacier Meadows

5. NEXT MEETING: JUNE 3, 2025

6. CONSIDERATION OF ITEMS FOR FUTURE AGENDA

7. ADJOURNMENT

WRITTEN COMMENTS: You can send comments on agenda items to kcoyle@kronenwetter.org

NOTE: Requests from persons with disabilities who need assistance to participate in this meeting or hearing should be made at least 24 hours in advance to the Village Clerk's office at (715) 693-4200 during business hours.

Posted: 05/14/2025 Kronenwetter Municipal Center and www.kronenwetter.org

Faxed: WAOW, WSAU, City Pages, Mosinee Times | Emailed: Wausau Daily Herald, WSAW, WAOW, Mosinee Times, Wausau Pilot and Review, City Pages



REPORT TO UTILITIES COMMITTEE

ITEM NAME: Finance/Treasurer Office Update – 2024 & 2023 Internal Financial Statements (Pre-Audited as of 5/14/2025)

PREPARED BY: John Jacobs, Interim Finance Director

DATE PREPARED: 5/14/2025

We are coming down to the last leg of the 2024 financial audit as of 5/14/2025. A few adjustments will be recorded yet by the auditors and myself before the end of May 2025. The 2024 depreciation calculation for the Enterprise Funds (Water & Sewer Utilities) will be updated in the next couple weeks by the auditors. The interest income allocation across all funds will be finalized, once all adjustments have been identified and recorded. In the meantime, this preliminary “pre-audited” calculation for some of the Village’s Funds will be helpful in evaluating the financial position of the Village at 12/31/2024 as compared to 12/31/2023, before the 2024 financial audit has been completed.

I will provide several highlights here for you, across the funds that have neared completion as of 5/14/2025. The remaining funds and cash/investments report will be distributed to the Village Board on 5/29/2025, and then at the APC Committee meeting in June.

Water Utility Fund:

- 2024 Revenues over Expenses = \$157,716
- 2023 Revenues over Expenses = \$276,569
- Therefore, the 2024 fund balance will have ADDED \$157,716 to the Water Utility fund balance.
- No capital costs are recorded as “expenses” in the Water Utility Fund. Rather, all capital costs are “capitalized” as an Asset, and will be depreciated over the useful life of the capital asset.
- The Village utilized \$2,282,473 of the Safe Drinking Water Loan Program (out of a maximum of \$3,385,500) as of 12/31/2024. The remaining balance of \$1,103,027 was utilized during 2025. The Village only paid interest of \$43,726 on this loan in 2024. Principal payments will begin annually starting on 5/01/2025.
- The 2024 budget had been set with a budgetary deficit = (\$55,936)
- However, the actual estimated net change in net position at 12/31/2024 = \$157,716 (which is a positive budget variance of \$213,652).

Sewer Utility Fund:

- 2024 Revenues over Expenses = \$26,576
- 2023 Revenues under Expenses = (\$138,135) Deficit
- Therefore, the 2024 fund balance will have ADDED \$26,576 to the Sewer Utility fund balance. The primary result of the 2024 increase was the necessary increase in the sewer rates in 2024.
- No capital costs are recorded as “expenses” in the Sewer Utility Fund. Rather, all capital costs are “capitalized” as an Asset, and will be depreciated over the useful life of the capital asset.
- The Rib Mt Sewerage District expenses for 2024 = \$474,327, as compared to \$297,985 for 2023 (which is an increase of \$176,342 for 2024). Hopefully, this expense trend does not continue from year-to-year at this pace.
- There presently is no debt in the Sewer Utility Fund as of 12/31/2024.
- The 2024 budget had been set with a budgetary deficit = (\$11,958)
- However, the actual estimated net change in net position at 12/31/2024 = \$26,576 (which is a positive budget variance of \$38,534).

The remaining Special Revenue Funds and Capital Projects Funds will be distributed in time for the 5/29/2025 Village Board meeting and the June 2025 APC meeting.

VILLAGE OF KRONENWETTER

Pre-Audited Comparative Internal Financial Statements for Years Ending December 31, 2024 and 2023

**(2024 Statements are Pre-Audited as of 5/14/2025;
2023 Comparative Statements have been audited)**

Enterprise Funds:

- **Water Utility Fund – Summary**
- **Sewer Utility Fund – Summary**

VILLAGE OF KRONENWETTER
Water Utility Fund
Year Ended December 31, 2024 and 2023
(Pre-Audited as of 5/14/2025)

REVENUES:	2024 Pre-Audited	2024 Final Budget	2024 Budget Variance - Positive (Negative)	2023 Audited
Metered Sales-Residential	\$ 437,518	\$ 465,000	\$ (27,482)	\$ 508,845
Metered Sales-Commercial	42,383	58,000	(15,617)	61,984
Metered Sales-Industrial	9,275	13,100	(3,825)	16,960
Private Fire Protection	5,795	19,100	(13,305)	9,562
Public Fire Protection	129,959	126,000	3,959	133,280
Industrial Fire Protection	1,884	-	1,884	505
Commercial Fire Protection	6,841	-	6,841	488
Metered Sales-Public Authority	651	600	51	913
Metered Sales-Multi Family Residential	61,075	72,000	(10,925)	81,393
Cell Tower Rental on Water Tower	31,360	31,360	-	14,234
Water Connection Fees	1,725	14,500	(12,775)	5,046
Misc Operating Revenues	6,137	-	6,137	13,362
Clear Water Revenues	54,735	-	54,735	3,204
Contributed Assets	-	-	-	8,846
Interest on Investments	75,698	34,500	41,198	49,639
Interest on Lease Receivables	-	-	-	17,126
Forfeited Discounts	4,125	-	4,125	667
Misc Non-Operating Revenues	-	500	(500)	15,105
Apply Unrestricted Fund Balance	-	675,000	(675,000)	-
TOTAL REVENUES	\$ 869,161	\$ 1,509,660	\$ (640,499)	\$ 941,159
EXPENSES:				
Utility Committee	\$ 483	\$ -	\$ (483)	\$ 781
Maintenance Meters	12,375	20,000	7,625	747
Pumping Expense	82,114	98,522	16,408	147,308
Water Treatment Expense	37,304	32,100	(5,204)	30,680
Capital Projects	-	675,000	675,000	-
Trans/Distribution Expense	108,260	149,401	41,141	49,700
Billing Expense	44,468	86,019	41,551	39,411
Water Administration	134,249	187,162	52,913	131,925
Misc Water Expense	57,927	73,666	15,739	36,684
Safe Drinking Loan - Interest	7,417	43,726	36,309	-
Depreciation	226,848	200,000	(26,848)	226,848
Transfer to General Fund	-	-	-	506
TOTAL EXPENSES	\$ 711,445	\$ 1,565,596	\$ 854,151	\$ 664,590
NET CHANGE IN NET POSITION	\$ 157,716	\$ (55,936)	\$ 213,652	\$ 276,569

VILLAGE OF KRONENWETTER
Sewer Utility Fund
Year Ended December 31, 2024 and 2023
(Pre-Audited as of 5/14/2025)

REVENUES:	2024 Pre-Audited	2024 Final Budget	2024 Budget Variance - Positive (Negative)	2023 Audited
Metered Sales-Residential	\$ 893,326	\$ 855,009	\$ 38,317	\$ 521,650
Metered Sales-Commercial	97,047	116,212	(19,165)	64,610
Metered Sales-Industrial	25,801	30,689	(4,888)	18,419
Metered Sales-Multi Family Residential	187,936	194,152	(6,216)	113,283
Metered Sales-Public Authority	3,455	1,550	1,905	1,673
Sewer Connection Fees	1,050	3,800	(2,750)	4,871
Misc Operating Revenues	5,980	8,825	(2,845)	8,825
Contributed Assets	-	-	-	53,306
Interest on Investments	52,652	19,500	33,152	38,625
Sewer Tax Roll	-	-	-	200
Forfeited Discounts	14,661	4,500	10,161	6,954
Misc Non-Operating Revenues	-	5,800	(5,800)	5,805
Apply Unrestricted Fund Balance	-	540,000	(540,000)	-
TOTAL REVENUES	\$ 1,281,908	\$ 1,780,037	\$ (498,129)	\$ 838,221
EXPENSES:				
Sewer Administration/Crew	\$ 217,264	\$ 302,745	\$ 85,481	\$ 218,589
Sewer Operations/Maintenance	283,741	312,450	28,709	229,138
Rib Mt Sewerage District	474,327	397,800	(76,527)	297,985
Capital Projects	-	499,000	499,000	-
Depreciation	280,000	280,000	-	230,138
Transfer to General Fund	-	-	-	506
TOTAL EXPENSES	\$ 1,255,332	\$ 1,791,995	\$ 536,663	\$ 976,356
NET CHANGE IN NET POSITION	\$ 26,576	\$ (11,958)	\$ 38,534	\$ (138,135)

UPDATED SEWER FEASIBILITY REPORT GLACIER MEADOWS PRELIMINARY PLAT

LIFT STATION 10 SERVICE AREA PINE ROAD NEAR CTH X & TOWER WOODS SUBDIVISION

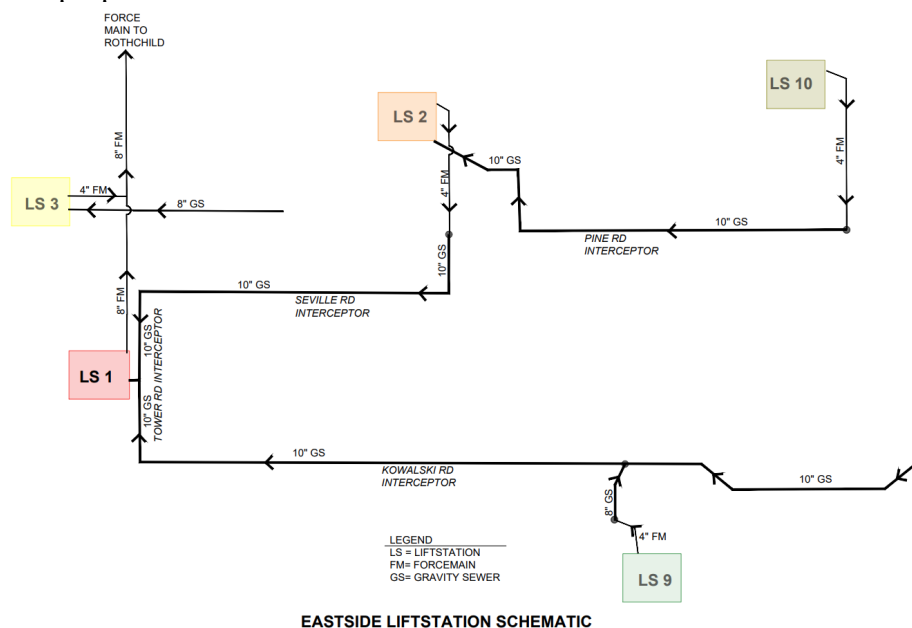
Date: May 13, 2025

To: Village of Kronenwetter

Re: Evaluation of Sewer Serviceability to East from LS10:

- A New Interceptor from LS10 to East to Serve Glacier Meadows & Others
- B New Interceptor Plus Deepening of LS10 to Serve Glacier Meadows & Others
- C New LS12 & FM

This memo is intended to provide a high-level planning document for decision making and budget estimate purposes for a specific portion of the Village's wastewater collection system. The memo is the product of focused efforts in evaluation of Lift Station #10 and connected basins lying in the area, including some review of LS2 and LS1, wherein a potential residential development project of 116 homes is proposed.



This memo is intended to append the 05-05-2025 Memo to the Utility Committee, providing additional information for the evaluation of three (3) main options.

**ALTERNATE A INTERCEPTOR FROM LS10 TO GLACIER MEADOWS SITE AT PINE ROAD
MODERATE SERVICEABILITY TO EAST**

Option A is to install a new interceptor sewer from LS#10 at minimum grade to service Glacier Meadows and potentially beyond. See Concept Plans attached. This would eliminate a new proposed station. This would require some road repair/restoration as well as some driveway repair/restoration. There are existing easements on a good portion of Pine Road that are in place for utilization. However, Mystic Meadows and some parts of Pine Road will require off-shoulder ditch excavation with potential road repair/restoration. While the greater majority of lots in Glacier Meadows would be served by both basement and first floor gravity sewer, some lots near the north/northwest lowlying areas would receive only first floor gravity sewer service, meaning those lots would be required to install basement “ejectors” to a gravity first floor line. Glacier Meadows Engineers have stated that about 21 lots out of 116 lots would require ejectors versus having full serviceability. As such, this option provides moderate sewer serviceability but basement ejectors would still be connected to the Village’s sewer system as a rate payer.

ALTERNATE A Item	Quantity	Units	Budget Cost
Interceptor, LS Upgrade In-Situ, Generator/ATS, Pumps & Controls, Restoration (Estimated 2025 Project Total from 05-02-2025 Estimate)			
Total Estimated Alternative A Capital Cost			\$1,218,000
Nominal Interest Rate for Present Value	4%	---	----
Life Cycle	50	Years	----
Assume No Change to Lift Station Maintenance	0%	----	----
Salvage Value	0%	----	----
Annual Cost for Interceptor Maintenance	3960 LF	\$2/LF	\$7,920
Annual Cost Estimate for Manhole Sealing	10 EA	\$100 Each	\$1,000
Annual Cost Estimate for Sewer Repairs	1%	\$100/LF @ 40 LF	\$4,000
Annual Increase Factor	2%	50 Years	---
Present Value of Annual Expenses with 2% Annual Increase, 50 Years, 4%			\$411,000
Alternate A - Total Estimated Present Worth			\$1,629,000



**ALTERNATE B DEEPEN LIFT STATION #10 WITH INTERCEPTOR PROJECT TO GLACIER
MEADOWS SITE
FULL SERVICEABILITY TO EAST**

Option B is to install the same interceptor, but deeper to allow full serviceability to the east including Glacier Meadows. As such, there are additional capital project costs involving dewatering, deeper lift station work, and the cost of new interceptor sewer. This option would technically avoid a 12th lift station, but this savings is not evaluated in this analysis as the Village currently does not have plans for this 12th lift station. An option to run the interceptor on private land adjoining Tower Woods on its west line, requiring property rights/easement, is included in this analysis.

ALTERNATE B Item	Quantity	Units	Budget Cost
Interceptor, LS Upgrade to 30' Depth, Generator/ATS, Pumps & Controls, Restoration (Estimated 2025 Project Total from 05-13-2025 Estimate)			
Total Estimated Alternative B Capital Cost			\$2,271,000
Nominal Interest Rate for Present Value	4%	---	----
Life Cycle	50	Years	----
Assume no Change to Annual Lift Station Maintenance			
Annual Cost for Interceptor Maintenance w/ Annual Incr.	3960 LF	\$2/LF	\$7,920
Annual Cost Estimate for Manhole Sealing w/ Annual Incr.	10 EA	\$100 Each	\$1,000
Annual Cost Estimate for Sewer Repairs w/ Annual Incr.	1%	\$100/LF @ 40 LF	\$4,000
Annual Increase Factor	2%	50 Years	---
Present Value of Annual Expenses with 2% Annual Increase, 50 Years, 4%			\$411,000
Alternate B - Total Estimated Present Worth			
			\$2,682,000



**ALTERNATE C NEW LIFT STATION 12 & FORCEMAIN AT REQUIRED DEPTH
FULL SERVICEABILITY TO EAST**

Option C is to install a new lift station and forcemain, which the Developer has proposed. This would allow the Developer to receive full basement service to 100% of the proposed lots. However, this would add a lift station to the Village's operation and maintenance demands for the long-term. This adds O&M which is calculated at roughly \$29,000 per station annually, with an increase of \$1,000 annually for each year of the life cycle analysis. The lift station would be design and built to Village requirements and be adequate for future capacity even if only serving the proposed Glacier Meadows. The siting of the lift station would be close or on Pine Road. The depth of the lift station would also need to consider other parcels serviceability in the area. The forcemain would discharge to existing Pine Road sewers (currently draining to LS2) but additional review and confirmation of the ultimate discharge point, considering all interceptor and lift station flows/impacts, will be completed in design. This analysis could not go farther with those impacts with the limited time available for this development.

ALTERNATE C Item	Quantity	Units	Budget Cost
Lift Station #12 to 30' Depth, Generator/ATS, Pumps & Controls, Forcemain (Estimated 2025 Project Total from 05-13-2025 Estimate)			
Total Estimated Alternative B Capital Cost			\$895,000
Nominal Interest Rate for Present Value	4%	---	----
Life Cycle	50	Years	----
Annual Lift Station #12 Maintenance w/ Annual Increase	1	Current O&M Total	\$29,000
Total Estimated LS#12 O&M Present Worth, 50 Years, 4%, \$1,000 Annual Incr.			\$984,000
Pump Change-Out @ 15-Year Annum	1	\$25,000 Each Pump	\$50,000
Total Estimated LS#12 Pump Change-Out Present Worth, 15 Years, 4%			\$ 24,000
Pump Change-Out @ 30-Year Annum	1	\$35,000 Each Pump	\$70,000
Total Estimated LS#12 Pump Change-Out #2 Present Worth, 30 Years, 4%			\$34,000
Generator & Panel Change-out at 25-Year Annum	1	\$100,000+\$200,000	\$300,000
Total Estimated LS#12 Generator & Panel Change-Out Present Worth, 25 Years, 4%			\$113,000
Salvage Value \$50000, 50 Years, 4%			(\$7,000)
Alternate C - Total Estimated Present Worth			\$2,043,000



SUMMARY OF COSTS:

Alt.	Description	2025 Capital Construction Cost	Present Worth O&M Cost	Project Present Worth Cost Including O&M	2025 Developer Allocation (Approx)	Net Village Present Worth Cost
A	Interceptor to LS10, Modest Upgrade to LS10, Moderate Serviceability East	\$1,218,000	\$411,000	\$1,629,000	50% Cap. Cost (\$609,000)	\$1,020,000
B	Deepen LS10, Generator/ATS, Interceptor, Full Serviceability East	\$2,271,000	\$411,000	\$2,682,000	25% Cap. Cost (\$568,000)	\$2,114,000
C	New LS12, Generator/ATS, Full Serviceability East	\$895,000	\$1,148,000	\$2,043,000	50% Cap. Cost (\$450,000)	\$1,593,000

CAPITAL COST: The current estimated capital cost of the construction project, See Estimates.

PROJECT PRESENT WORTH COST INCLUDING O&M: The 2025 Estimated Capital Cost, plus the Project's O&M, converted to Present Worth Value by calculation herein.

DEVELOPER ALLOCATION (APPROX.): The 2025 Developer Allocation that is approximated by service area percentage and need amongst available parcels for current development east of the Glacier Meadows Development. This will be subject to change but provides a value that reflects developer contribution.

ADJUSTED VILLAGE PRESENT WORTH COST: The Project Present Worth Cost including O&M, less 2025 Developer Allocation, reducing the overall impact to rate payers in 2025.

NOTES: Option C can be completed as a Developer-project reducing capital cost impact to rate payers (\$450,000) in 2025. This could be subject to change, but in theory there could be reduced debt impact if the overall cost of the project is developer-borne with an allocation by the Village. The Village would still be left with the O&M costs of the new lift station to work into its budgeting upon start-up and going forward.



RUDIMENTARY ANALYSIS OF POTENTIAL USER RATE INCOME, ANNUAL

Current Rate: \$6.48/1000 gal
Average Customer: 12,000 gal / qtr
Average Customer Quarterly Charge: \$77.76 / qtr
Average Customer Annual Charge: \$311.04 / annum

Total Estimated Residential Units Served by Analysis Area: 312

Average New Customer Annual Revenue \$97,044

Present Worth Recapture Timeline from Current Rates on Cap. Costs Not Including Increases or debt service:

Alternate A	Alternate B	Alternate C*
7 Years	18 Years	5 Years

*Assumes LS12 as Developer-borne project



CONCLUSION

Alternate A shows to be the better option fiscally to the Utility with in the Present Worth Analysis. It comes with a higher capital cost impact to the Village which would be offset by Developer contributions and the possibility of future developer contributions. There is a reasonably equal payoff to the Village with Alternate C, as Alternate C transfers more upfront cost to the developer in this analysis. As expected, there is a lesser O&M cost with Alternate A when converted to present worth value.

Alternate B shows higher costs across the board, with more reliance on developer contributions in the nth years after the project. Alternate C shows comparable to Alternate A with the notable exception of O&M. As such, the option is less favorable to the Utility as costs increase going forward.

Looking solely at Present Worth Analysis, it would be the recommendation that Alternate A be chosen for the best interests of the Utility. There are other factors in the final decision including financial factors on debt service and timing, and the Village successfully pursuing a variance for pipe slope on the interceptor, which should be completed immediately to ensure a path forward on this track.

Respectfully,

ROTH PROFESSIONAL SOLUTIONS

Robert J. Roth, PE
Village Engineer

Attachments: Estimates
Service Area Maps
Interceptor Concept Plans



ENGINEER'S CONCEPTUAL COST ESTIMATE

Friday, May 2, 2025

Village of Kronenwetter - LS 10 INTERCEPTOR

Section 4, ItemD.



	#	Item	Item Quantity	Units	Unit Cost	Total Cost
Project Development Costs	a	Comprehensive Mapping & Surveying	----	---	----	\$15,000
	b	Planning, Coordination, Engineering & Administration	----	---	----	\$30,000
	c	Legal Services	----	---	----	----
	d	Title Services	----	---	----	----
	e	Land Acquisition (Prof. Fees & Land Rights) Estimate	----	---	----	----
	T1	Subtotal Project Development Costs				\$45,000
Road Costs	1	Erosion Control Items & Maintenance During Construction	1	LS	\$10,000.00	\$10,000
	2	Lift Station Connection	1	LS	\$2,500.00	\$2,500
	3	5 HP pumps	2	EA	\$8,000.00	\$17,800
	4	Lift Station Control Upgrades-cable,guide rails, floats	2	Ea	\$40,000.00	\$80,000
	5	Generator & ATS 25 kw	1	EA	\$60,000.00	\$60,000
	6	Electrical work	1	LS	\$50,000.00	\$50,000
	7	10" SDR-35 with Dewatering,Bedding (15' Depth) Backfill	550	LF	\$120.00	\$66,000
	8	8" SDR-35 with Dewatering, Bedding (10'-12' Depth), Backfill	3,033	LF	\$100.00	\$303,300
	9	8" SDR-35 with Dewatering, Bedding (8'-10' Depth), Backfill	377	LF	\$90.00	\$33,930
	10	MH 48" Dia.	13	EA	\$4,000.00	\$52,000
	11	Pavement Removal	3,889	SY	\$3.00	\$11,700
	12	Topsoil removal	413	CY	\$8.00	\$3,300
	13	Topsoil, Seed & fert.	2,475	SY	\$5.00	\$12,400
	14	Pavement markings	1	LS	\$5,000.00	\$5,000
	15	3/4" gravel base for pavement	1913	CY	\$40.00	\$76,600
	16	HMA Asphalt Pavement 4" Road Pavement	1,377	Tn	\$90.00	\$124,000
	17	3/4" Crushed Aggregate for Road Shoulder, 2' wide x 6" thick	195	CY	\$50.00	\$9,800
	18	E-Mat all Disturbed areas,	2,475	SY	\$3.00	\$7,500
	19	Traffic & Mailbox Control	1	LS	\$ 2,000.00	\$2,000
	20	Adjusting Exist mh & valves	1	LS	\$ 4,000.00	\$4,000
	T2	SubTotal Road Construction & Utility Costs				\$977,000
Percentage Allocations On Construction Subtotal	A1	Performance & Payment bonds	2	%	----	\$19,600
	A2	Mobilization/Demobilization	2	%	----	\$19,600
	A3	Funding Requirements	0.0	%	----	\$0
	A4	Construction Contingencies	10	%	----	\$97,700
	A5	Geotechnical	1	%	----	\$9,800
	A6	Construction Engineering, Permitting, Coordination, Construction	3	%	----	\$29,400
	A7	Surveying (Staking) & Legal	2	%	----	\$19,600
	T3	Subtotal on Construction Allocations				\$195,700
	T4	TOTAL PROJECT SUBTOTAL				\$1,218,000

ENGINEER'S PRELIMINARY COST ESTIMATE

Tuesday, May 13, 2025

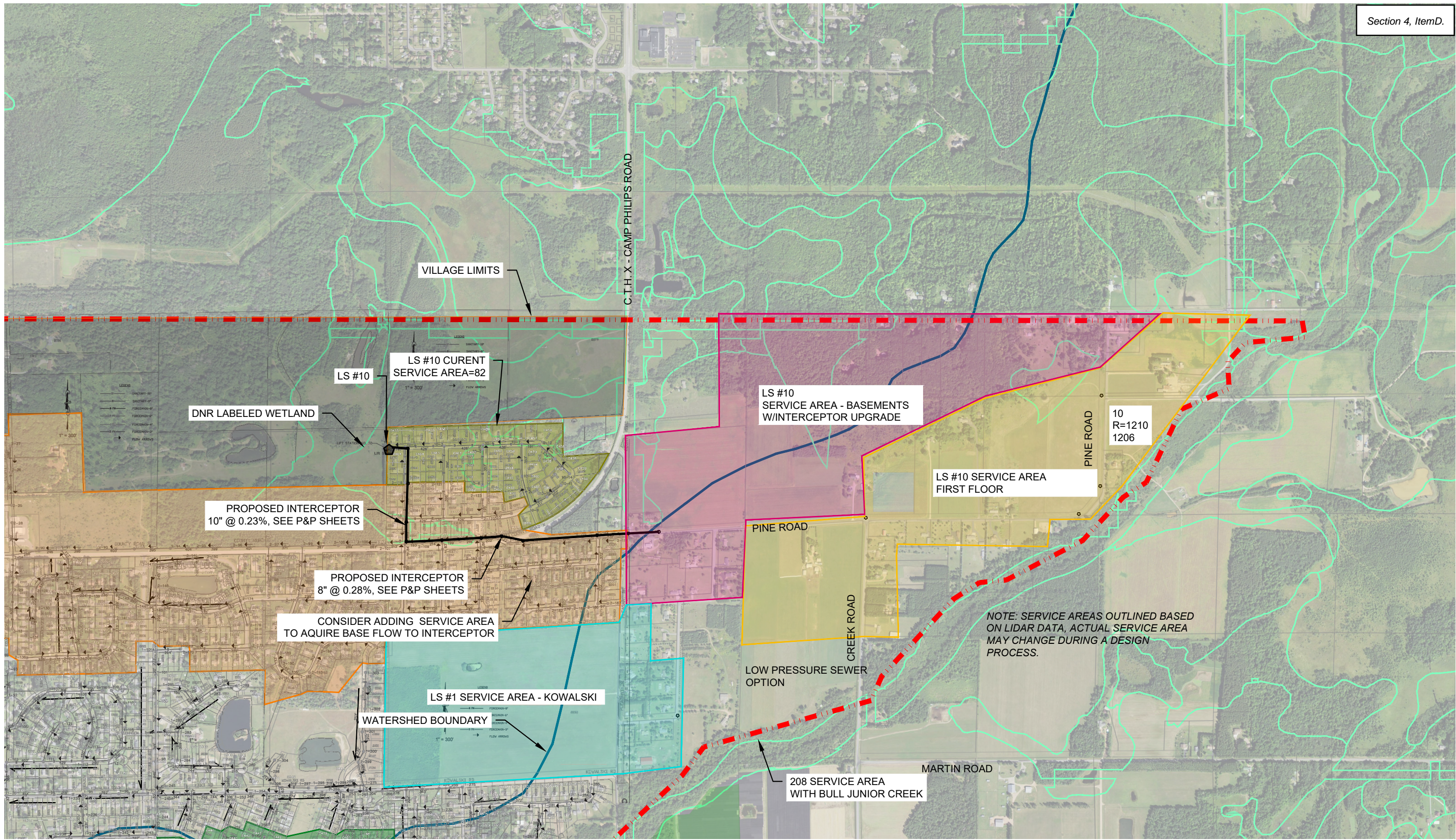
New LS #12-Deeper Station & Forcemain-Glacier Meadows Site

Village of Kronenwetter & Denyon Homes Glacier Meadows Sewer Serviceability

Section 4, ItemD.



	#	Item	Item Quantity	Units	Unit Cost	Total Cost
Project Development Costs	a	Comprehensive Mapping & Surveying	----	---	----	\$0
	b	Planning, Coordination, Engineering & Administration	----	---	----	\$20,000
	c	Legal Services	----	---	----	----
	d	Title Services	----	---	----	----
	e	Land Acquisition (Prof. Fees & Land Rights) Estimate	----	---	----	----
	T1	Subtotal Project Development Costs				\$20,000
Road Costs	1	Erosion Control Items & Maintenance During Construction	1	LS	\$20,000.00	\$20,000
	2	New Wet Well, Above Ground Valve Vault, Enclosure, Transducer, Floats, Piping, Hatch, Guide Rails, Pumps, Quick Connect	1	EA	\$265,000.00	\$265,000
	3	Lift Station Complete, Controls, wiring-Complete	1	Ea	\$40,000.00	\$40,000
	4	Excavation-Dewatering-Install Wetwet, Waterproof	1	Ea	\$100,000.00	\$100,000
	5	Generator - 30 Kw & ATS	1	EA	\$60,000.00	\$60,000
	6	Electrical & Gas approx. Utility Costs	1	LS	\$50,000.00	\$50,000
	7	Electrician	1	LS	\$40,000.00	\$40,000
	8	4" Force Main	1,320	LF	\$50.00	\$66,000
	9	Granular fill-Force Main	1,956	CY	\$10.00	\$19,600
	10	Pavement Removal	267	SY	\$7.00	\$1,900
	11	Topsoil removal	1,413	CY	\$8.00	\$11,301
	12	Topsoil, Seed & fert.	1,598	SY	\$5.00	\$8,000
	13	3/4" gravel base for pavement	111	CY	\$45.00	\$5,000
	14	HMA Asphalt Pavement 4" Road Pavement	67	Tn	\$95.00	\$6,400
	15	3/4" Crushed Aggregate for Road Shoulder, 2' wide x 6" thick	7	CY	\$50.00	\$400
	16	E-Mat all Disturbed areas,	1,598	SY	\$3.00	\$4,800
	17	Traffic Control	1	LS	\$ 2,000.00	\$2,000
	18	Tree removal	1	LS	\$ 2,000.00	\$2,000
	T2	SubTotal Road Construction & Utility Costs				\$723,000
Percentage Allocations On Construction Subtotal	A1	Performance & Payment bonds	2	%	----	\$14,500
	A2	Mobilization/Demobilization	2	%	----	\$14,500
	A3	Funding Requirements (Allocations, Agreements)	3.0	%	----	\$21,700
	A4	Construction Contingencies	10	%	----	\$72,300
	A5	Geotechnical	0	%	----	\$0
	A6	Construction Engineering, Permitting, Coordination, Construction	4	%	----	\$29,000
	A7	Surveying (Staking) & Legal	0	%	----	\$0
	T3	Subtotal on Construction Allocations				\$152,000
	T4	TOTAL PROJECT SUBTOTAL				\$895,000

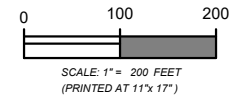
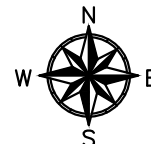


CONCEPT INTERCEPTOR PLAN

KRONENWETTER DEVELOPMENT

GLACIER DEVELOPMENT

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN



PROJECT NO: 2024-020

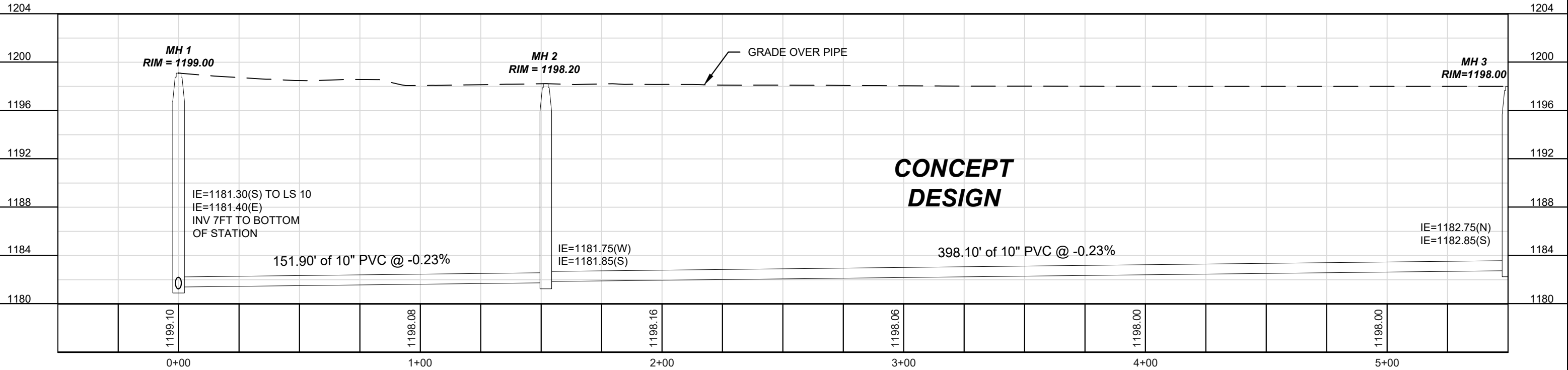
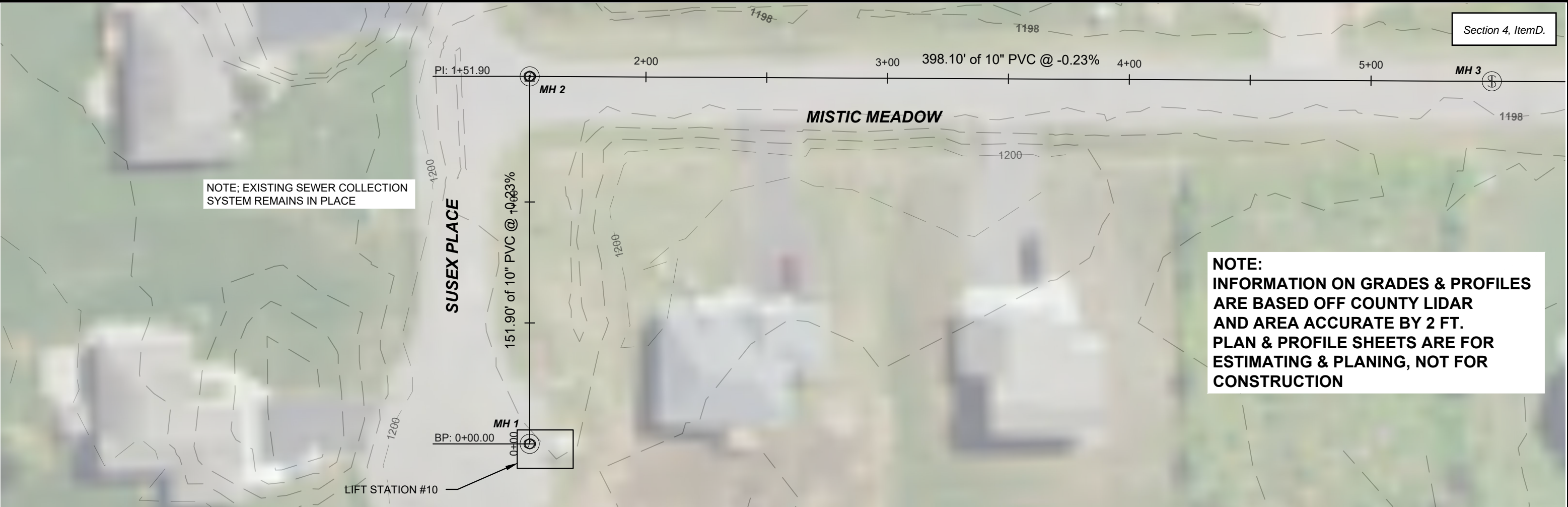
DATE: 5/2/2025

DESIGNED BY: RJR

DRAWN BY: WAC/PJR

SHEET: P

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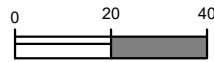
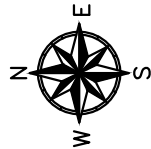
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CONCEPT PLAN & PROFILE SHEETS

KRONENWETTER DEVELOPMENT

GLACIER DEVELOPMENT

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN



SCALE: 1" = 40 FEET
(PRINTED AT 11"x17")

DATE: 5/2/2025

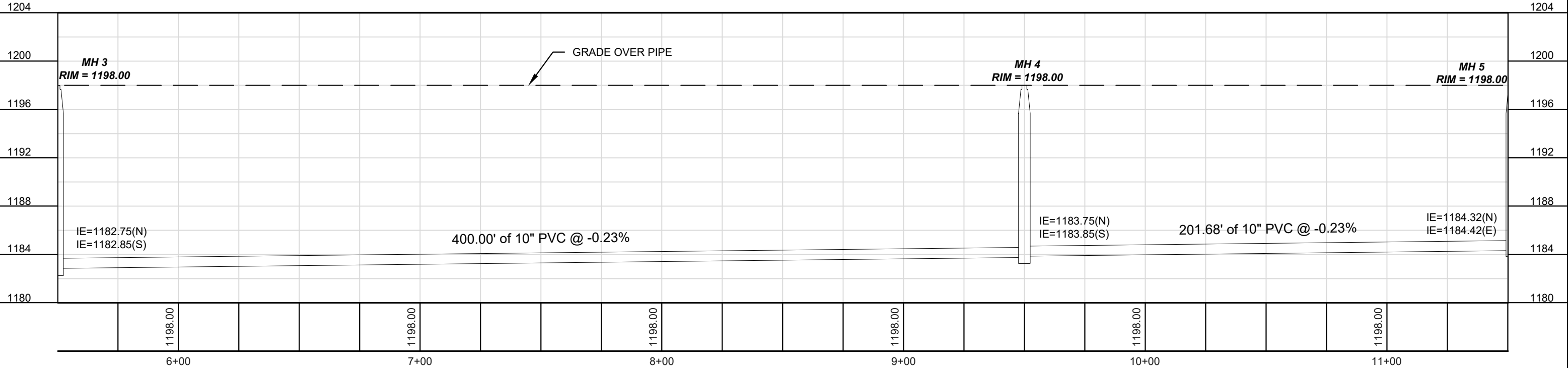
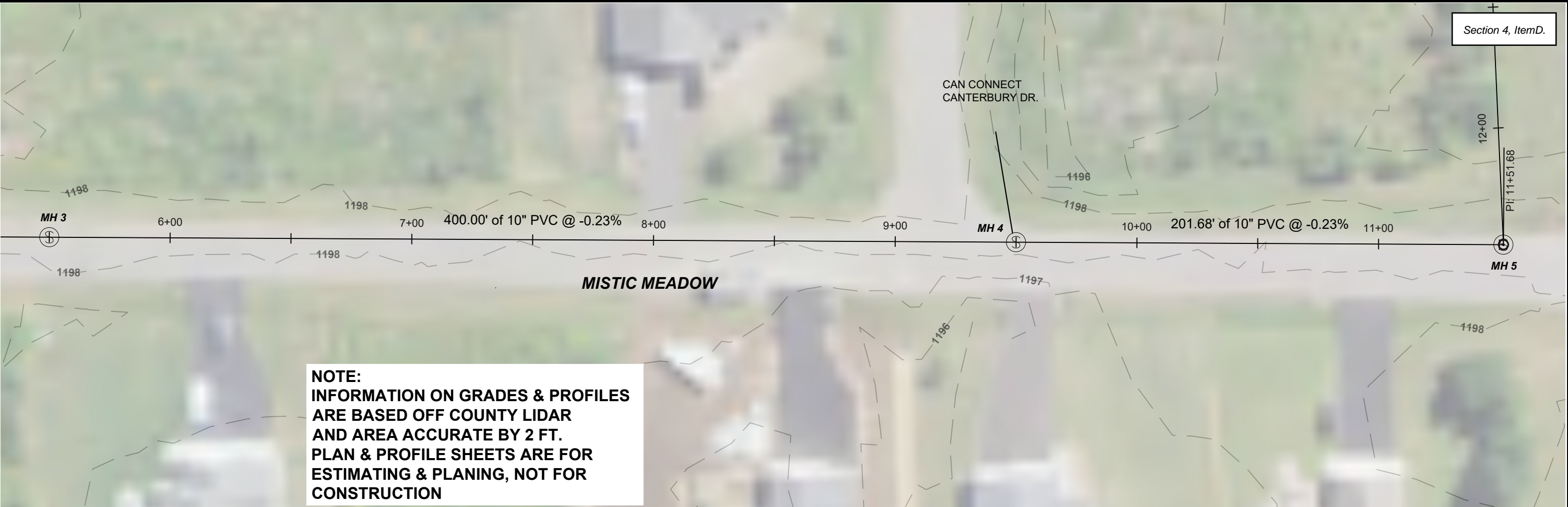
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PROJECT NO: 2024-020

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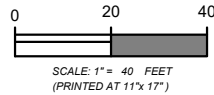
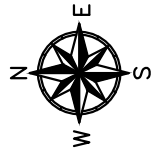


CONCEPT PLAN & PROFILE SHEETS

KRONENWETTER DEVELOPMENT

GLACIER DEVELOPMENT

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

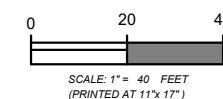


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DESIGNED BY:	RJR
DRAWN BY:	WAC
PROJECT NO:	2024-020
SHEET:	18

Section 4, Item D.



VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

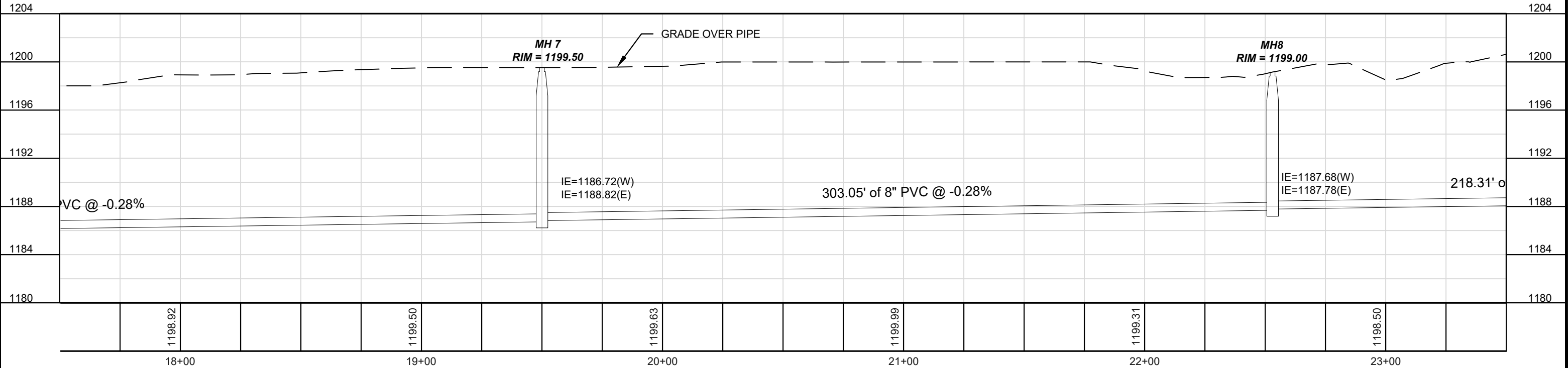
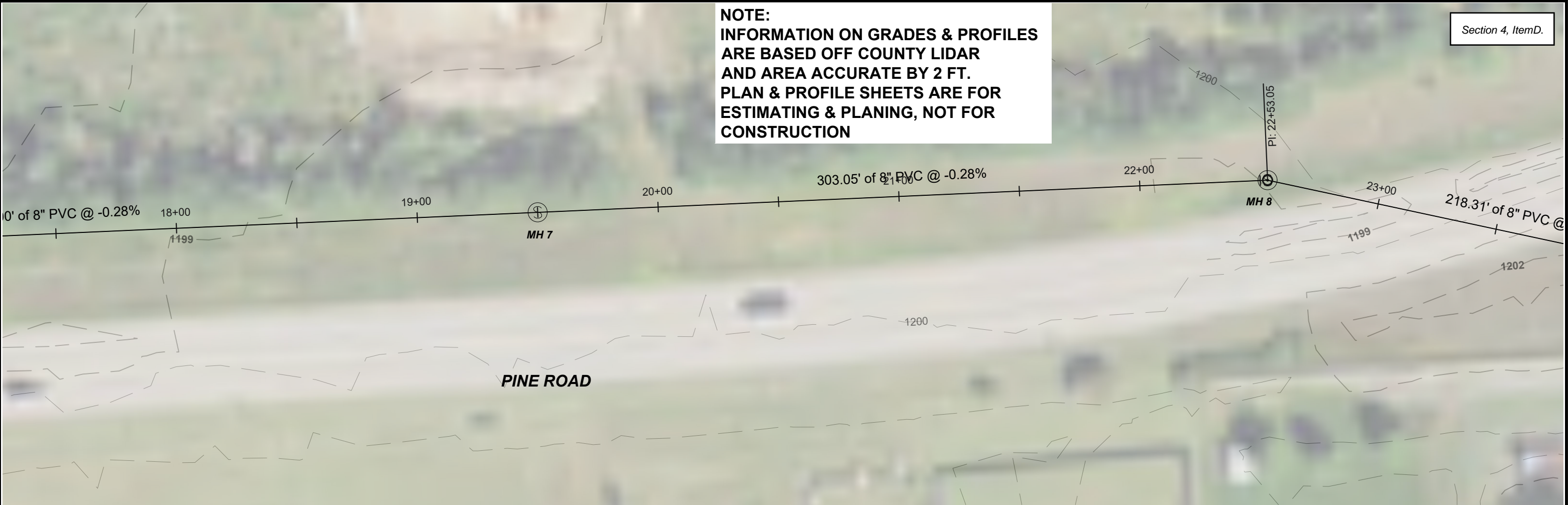


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CONCEPT PLAN & PROFILE SHEETS
KRONENWETTER DEVELOPMENT
GLACIER DEVELOPMENT
VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN





SCALE: 1" = 40 FEET
(PRINTED AT 11"x17")

DATE: 5/2/2025

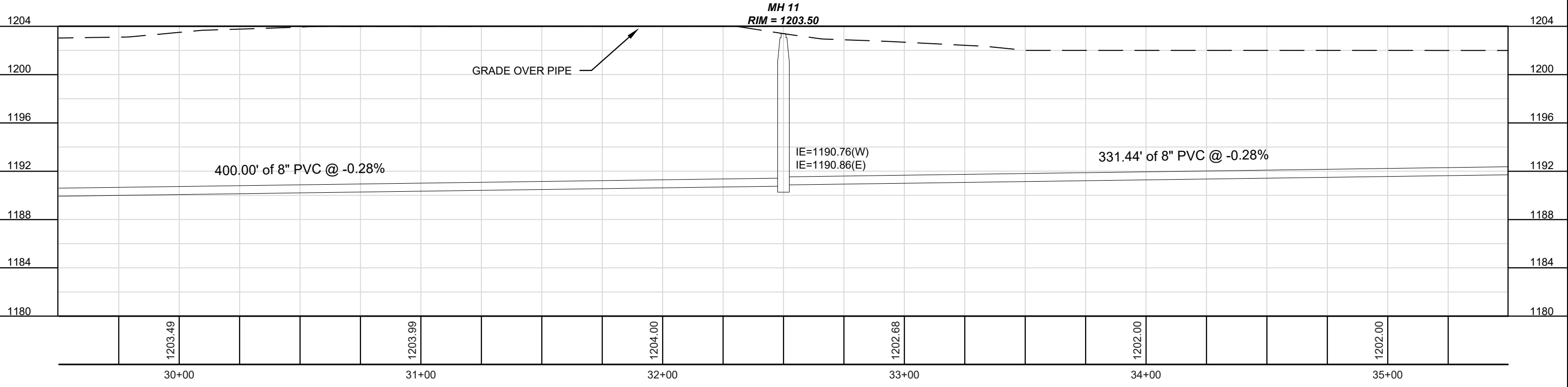
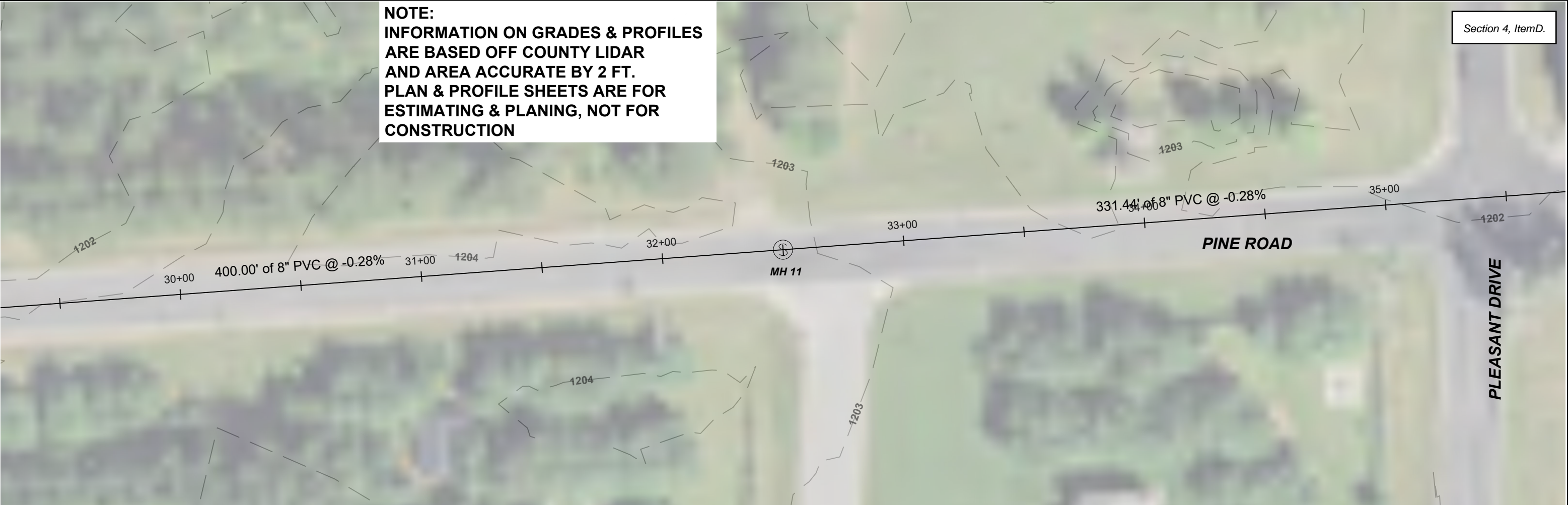
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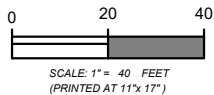
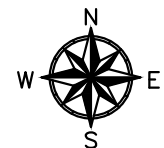
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CONCEPT PLAN & PROFILE SHEETS

KRONENWETTER DEVELOPMENT

GLACIER DEVELOPMENT

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN



DATE: 5/2/2025

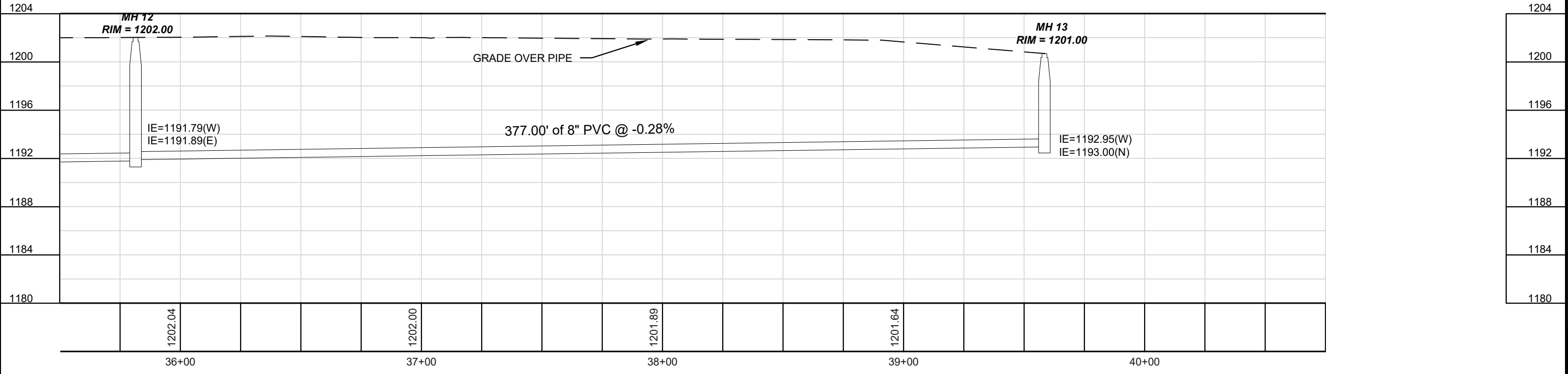
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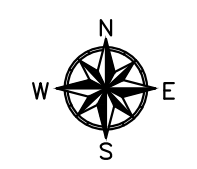
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CONCEPT PLAN & PROFILE SHEETS

KRONENWETTER DEVELOPMENT

GLACIER DEVELOPMENT

VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN



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DATE: 5/2/2025

DESIGNED BY: RJR

DRAWN BY: WAC

PROJECT NO: 2024-020

SHEET: 22

ENGINEER'S PRELIMINARY COST ESTIMATE

Tuesday, May 13, 2025

LS 10 Replacement-Deeper Station With Incerceptor Project

Village of Kronenwetter & Denyon Homes Glacier Meadows Sewer Serviceability

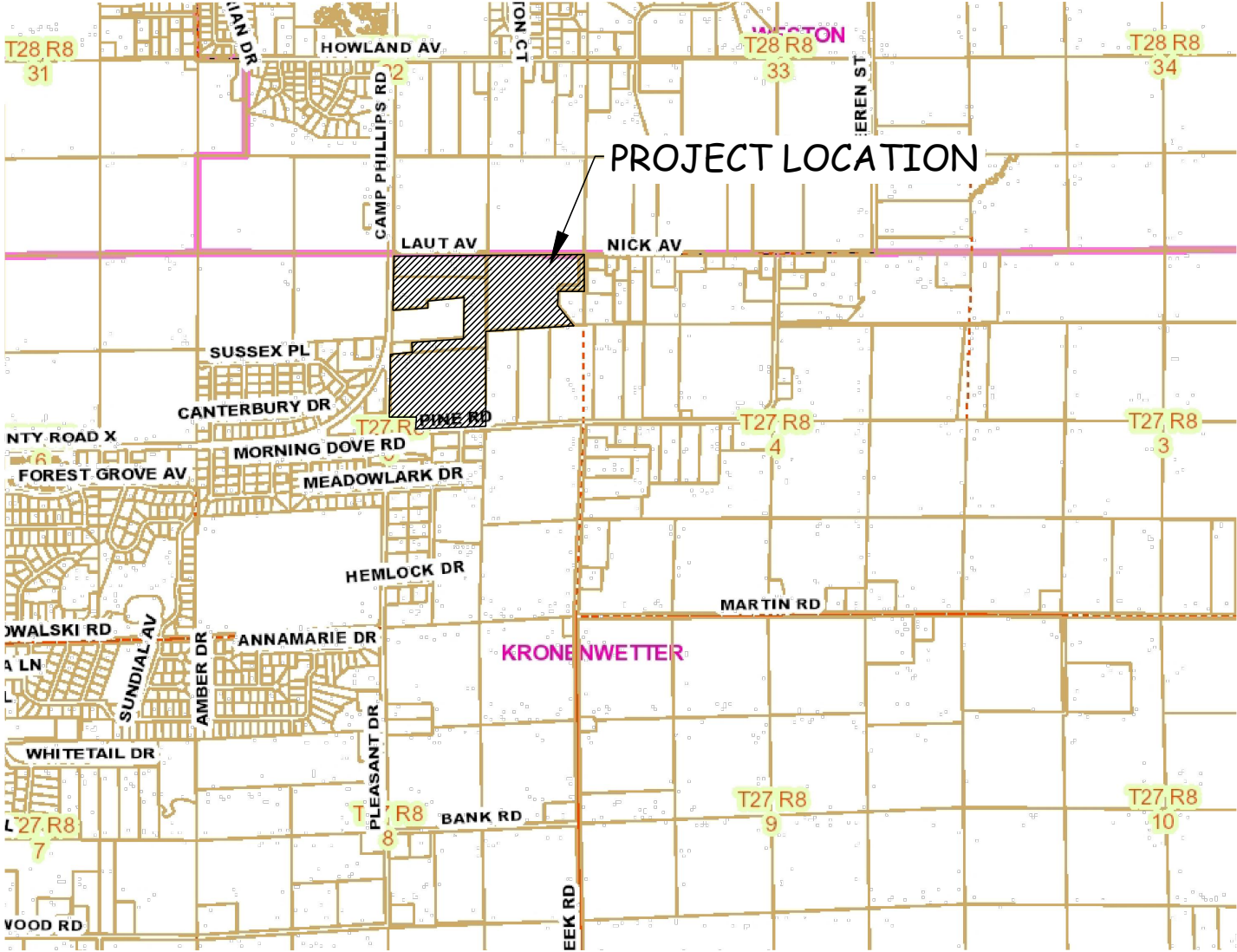
Section 4, Item D.



	#	Item	Item Quantity	Units	Unit Cost	Total Cost
Project Development Costs	a	Comprehensive Mapping & Surveying	----	---	----	\$15,000
	b	Planning, Coordination, Engineering & Administration	----	---	----	\$50,000
	c	Legal Services	----	---	----	\$10,000
	d	Title Services	----	---	----	----
	e	Land Acquisition (Prof. Fees & Land Rights) Estimate	----	---	----	\$10,000
	T1	Subtotal Project Development Costs				\$85,000
Road Costs	1	Erosion Control Items & Maintenance During Construction	1	LS	\$20,000.00	\$20,000
	2	Lift Station Connection, Temporary Routing, Safety Plan	1	LS	\$15,000.00	\$15,000
	3	New Wet Well, Above-Ground Valve Vault, Enclosure, Transducer, Floats, Piping, Hatch, Guide Rails, Pumps, Quick Connect	1	EA	\$265,000.00	\$265,000
	4	Lift Station Controls Package	1	Ea	\$50,000.00	\$50,000
	5	Excavation-Dewatering-Install Wetwet, Waterproof	1	Ea	\$100,000.00	\$100,000
	6	Generator & ATS 25 Kw	1	EA	\$60,000.00	\$60,000
	7	Electrician	1	LS	\$40,000.00	\$40,000
	8	10" SDR-35 with Dewatering, Bedding, >12' Depth	5,000	LF	\$150.00	\$750,000
	9	Granular Fill Pavement and Crossing Areas	6,667	CY	\$10.00	\$66,700
	10	MH 48" Dia.	13	EA	\$5,000.00	\$65,000
	11	Pavement Removal	2,482	SY	\$3.00	\$7,500
	12	Topsoil removal	5,913	CY	\$8.00	\$47,300
	13	Topsoil, Seed & fert.	7,975	SY	\$5.00	\$39,900
	14	Pavement markings	1	LS	\$3,000.00	\$3,000
	15	3/4" gravel base for pavement MYSTIC & CROSSINGS	1444	CY	\$45.00	\$65,000
	16	HMA Asphalt Pavement 4" Road Pavement MYSTIC & CROSSI	1,039	Tn	\$95.00	\$98,800
	17	3/4" Crushed Aggregate for Road Shoulder, 2' wide x 6" thick	74	CY	\$80.00	\$6,000
	18	E-Mat all Disturbed areas,	7,975	SY	\$3.00	\$24,000
	19	Traffic Control	1	LS	\$ 2,000.00	\$2,000
	20	Tree removal	1	LS	\$ 10,000.00	\$10,000
	T2	SubTotal Road Construction & Utility Costs				\$1,821,000
Percentage Allocations On Construction Subtotal	A1	Performance & Payment bonds	2	%	----	\$36,500
	A2	Mobilization/Demobilization	2	%	----	\$36,500
	A3	Funding Requirements	0.0	%	----	\$0
	A4	Construction Contingencies	10	%	----	\$182,100
	A5	Geotechnical	1	%	----	\$18,300
	A6	Construction Engineering, Permitting, Coordination, Construction	3	%	----	\$54,700
	A7	Surveying (Staking) & Legal	2	%	----	\$36,500
	T3	Subtotal on Construction Allocations				\$364,600
	T4	TOTAL PROJECT SUBTOTAL				\$2,271,000

CIVIL PLANS FOR
GLACIER MEADOWS SUBDIVISION

OF PART OF THE SOUTHWEST 1/4 OF THE FRACTIONAL NORTHEAST $\frac{1}{4}$, OF LOT 1 OF CSM 6906 IN VOL 26 PAGE 99 LOCATED
IN PART OF THE NORTHWEST 1/4 OF THE FRACTIONAL NORTHEAST 1/4 AND PART OF THE SOUTHWEST 1/4 OF THE
FRACTIONAL NORTHEAST $\frac{1}{4}$, OF LOT 1 OF CSM 6849 IN VOL 26 PAGE 42 LOCATED IN PART OF THE NORTHWEST 1/4 OF THE
FRACTIONAL NORTHEAST 1/4 AND OF LOT 1 OF CSM 14156 VOL 62 PAGE 163 LOCATED IN PART OF THE NORTHEAST 1/4 OF
THE FRACTIONAL NORTHEAST 1/4, ALL IN SECTION 5, TOWNSHIP 27 NORTH, RANGE 8 EAST, VILLAGE OF KRONENWETTER,
MARATHON COUNTY, WI



LOCATION MAP

- | | |
|--------------|----------------------|
| SHEETS 2-7 | DETAILS |
| SHEETS 8-9 | UTILITY CHARTS |
| SHEETS 10-11 | PLAT |
| SHEETS 12-13 | EROSION CONTROL PLAN |
| SHEET 13 | SHEET LAYOUT |
| SHEETS 14-38 | PLAN & PROFILE |
| SHEETS 25-49 | CROSS-SECTIONS |
| SHEETS 50-57 | GRADING PLANS |

Preliminary
04/10/2025 2:12:01 PM

MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 54485 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, ItemD.
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COVER SHEET	GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE		
NO SCALE		
SHEET NO.	1	

TYPICAL ROAD SECTION, GENERAL NOTES AND UTILITIES

MATERIAL SPECIFICATIONS FOR THE VILLAGE OF KRONENWETTER

WATER
WATER MAINS SHALL BE TAPPED UNDER PRESSURE
1. WATER MAINS AND LATERALS SHALL BE TESTED AT 150 PSI FOR 3 HOURS, PRESSURE TEST – 1 HOUR, LEAKAGE TEST 2 HOURS.
2. TRACER WIRE CONTINUITY TEST

WATERMAIN
WATER MAIN SHALL BE OF PVC – C900 – PRESSURE CLASS 150 SDR 18, CAST IRON OUTSIDE DIAMETER.

VALVES
ALL VALVES SHALL BE MECHANICAL JOINT, RESILIENT WEDGE GATE VALVES, EPOXY COATED WITH A BRONZE WEDGE DISC MEETING AWWA C-509 SPECIFICATIONS

WATER SERVICE PIPE
1" WATER SERVICES SHALL BE 1" TYPE "K" COPPER
1.5" WATER SERVICES SHALL BE 1.5" SDR 9 PE CTS
1.25" PIGTAILS SHALL BE 1.25" SDR 9 PE CTS

FITTINGS
ALL FITTINGS SHALL BE MECHANICAL JOINT
THE FOLLOWING FITTINGS SHALL BE FORD OR MUELLER MEETING THE LISTED SPECIFICATIONS:
CORPS – 1" F-1000 OR MUELLER EQUIVALENT
CORPS – 1.5" FB-1000 COPPER OR PLASTIC TUBE CTS
CORPS – 1.5" FB-1001 PE
CURBSTOPS – 1" B44-444M OR MUELLER EQUIVALENT
CURBSTOPS – 1.25" B41-555MNL CURBSTOP WITH C84-56NL 1.25"x1.5" COUPLING
BOXES – EM2-80-56 OR MUELLER EQUIVALENT ADJUSTABLE BETWEEN 7'-0" & 8'-0"

HYDRANTS
ALL HYDRANTS SHALL BE WATEROUS PACER WB-67 8'-6" BURY
KRONENWETTER SPEC.

SANITARY SEWER
SANITARY SEWER LINES SHALL BE CONSTRUCTED OF PVC PIPE MEETING ASTM D-3034, SDR 35 STANDARDS WITH GASKETED JOINTS

SANITARY LATERALS SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC

MANHOLE FRAME AND COVER SHALL BE NEENAH R-1540-C OR EQUAL

TESTING
TESTING SHALL BE CONDUCTED ON ALL MAINS WITH LATERALS INSTALLED
SANITARY SEWER
THE FOLLOWING TESTS SHALL BE CONDUCTED:
1. LAMP TEST (ALIGNMENT)
2. LOW PRESSURE AIR TEST
3. DEFLECTION (MANDREL 5%)
4. CLEANING & TELEVISION

ALL PIPES AND MANHOLES SHALL BE CLEANED OF SEDIMENT AT THE COMPLETION OF THE CONSTRUCTION.

THE CONSTRUCTION SPECIFICATION FOR THIS PROJECT WILL BE THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN."

GENERAL NOTES

3-INCH ASPHALTIC CONCRETE SHALL BE CONSTRUCTED WITH A 1.25 INCH 5LT58-34S SURFACE COURSE AND A 1.75 INCH 4LT58-34S BINDER COURSE

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.

ALL CONSTRUCTION JOINTS AT EXISTING PAVEMENT SHALL BE SAWCUT.

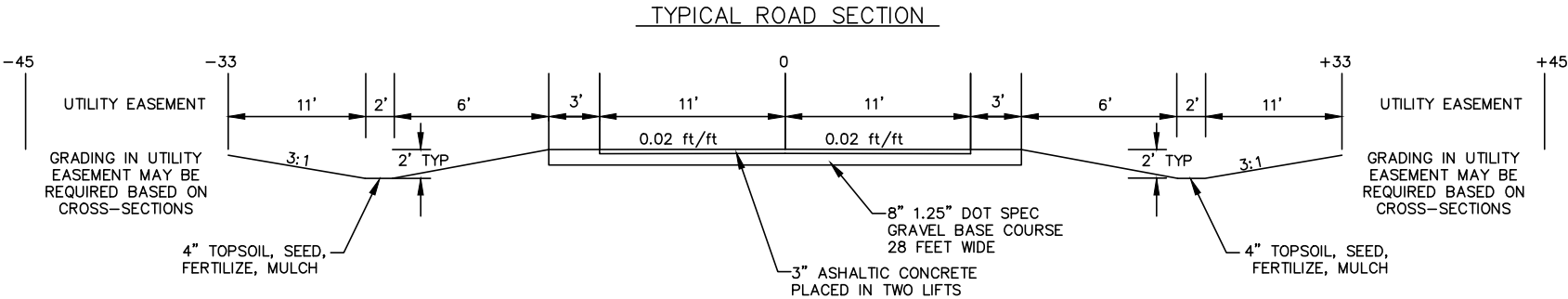
UTILITIES

KRONENWETTER WATER UTILITY
1582 KRONENWETTER DR.
MOSINEE WI 54455
(715)693-5732

WISCONSIN PUBLIC SERVICE
1700 SHERMAN STREET
WAUSAU, WI 54401
(715) 845-7261

CHARTER COMMUNICATION
PO BOX 1818
WAUSAU, WI 54401
TOM BOWMAN
(715) 845-4222

VERIZON
410 4th STREET
MOSINEE, WI 54455
(715) 693-2622



MARATHON TECHNICAL SERVICES LLC

CONSULTING ENGINEERS

1699 SCHOFIELD AVE - SCHOFIELD, WI 54483

PHONE & FAX - (715)843-7292

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DRAWN BY: NSB
APPROVED: MWT

DETAILS

GLACIER MEADOWS SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

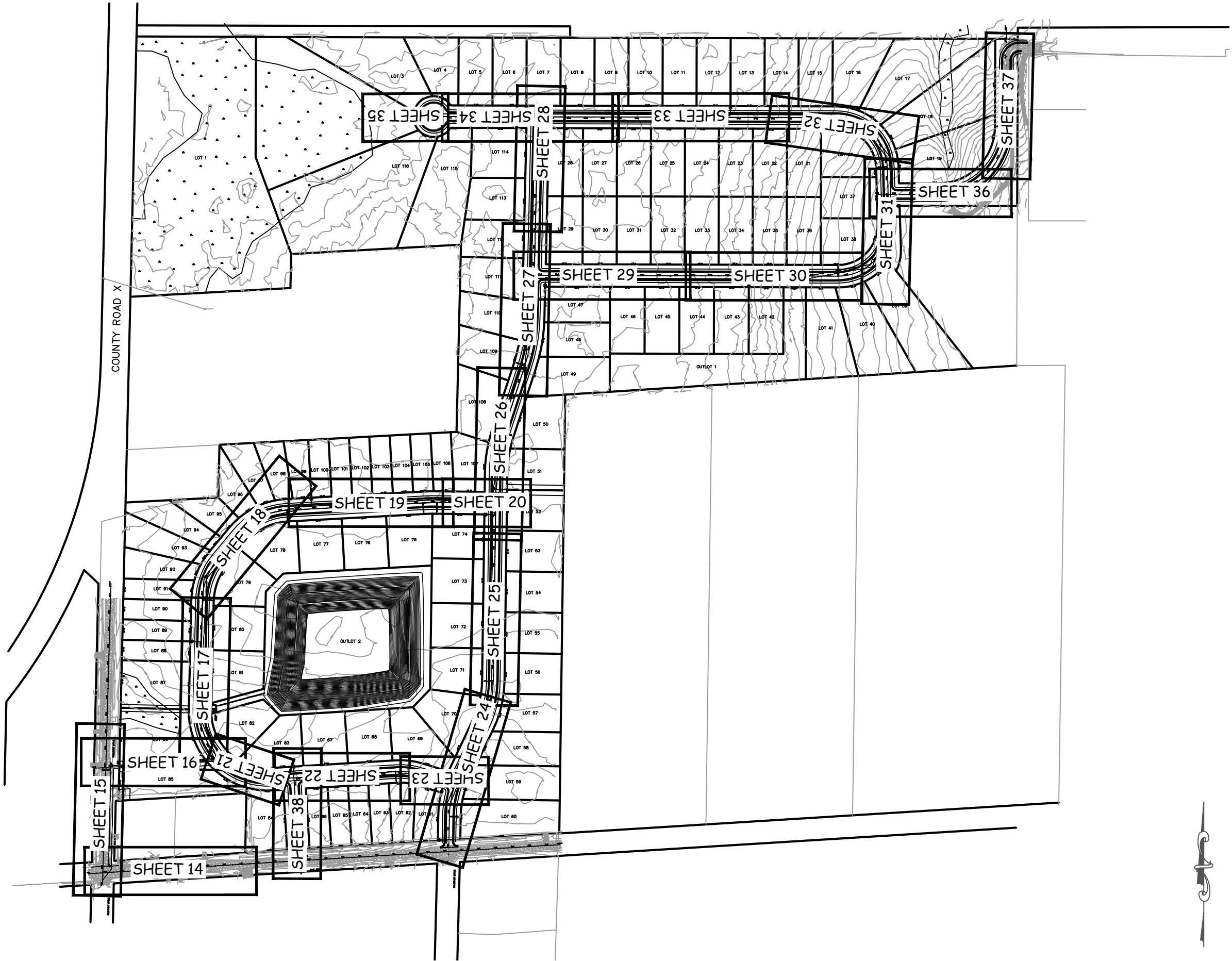
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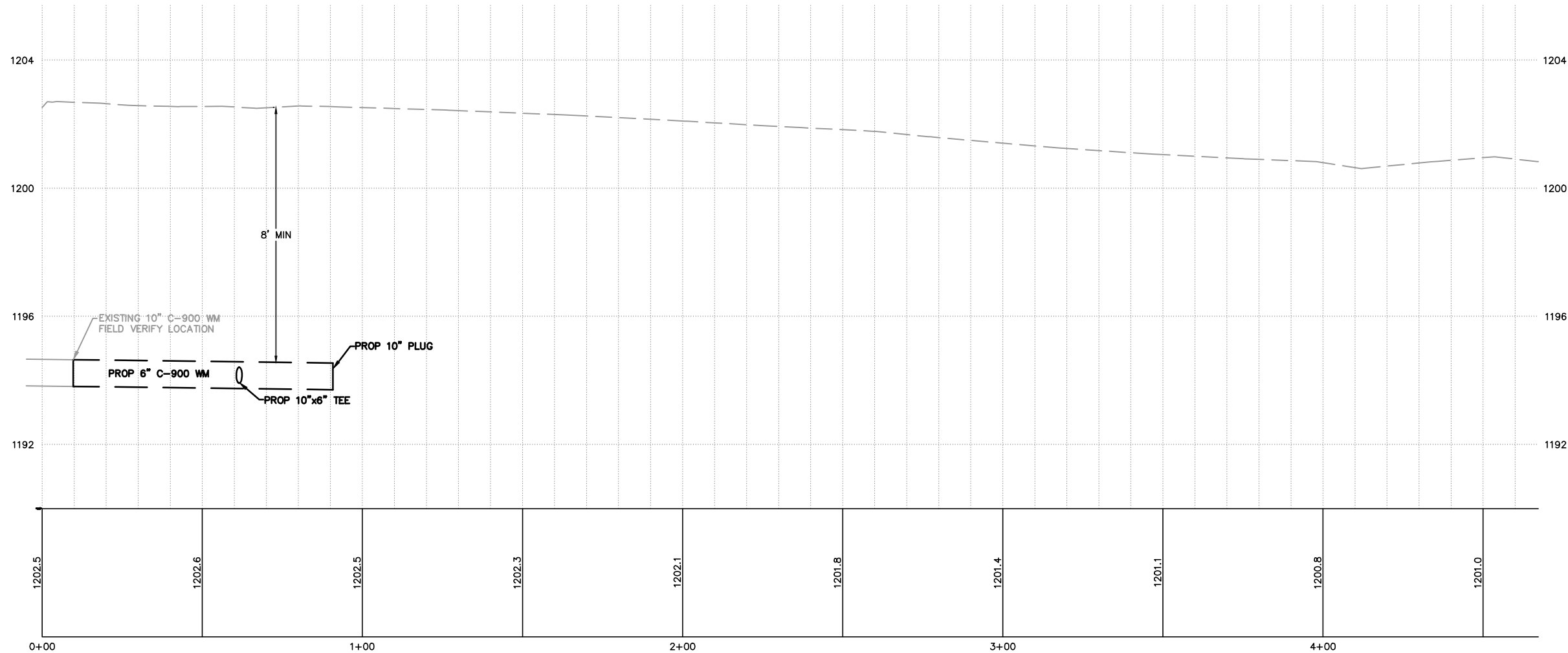
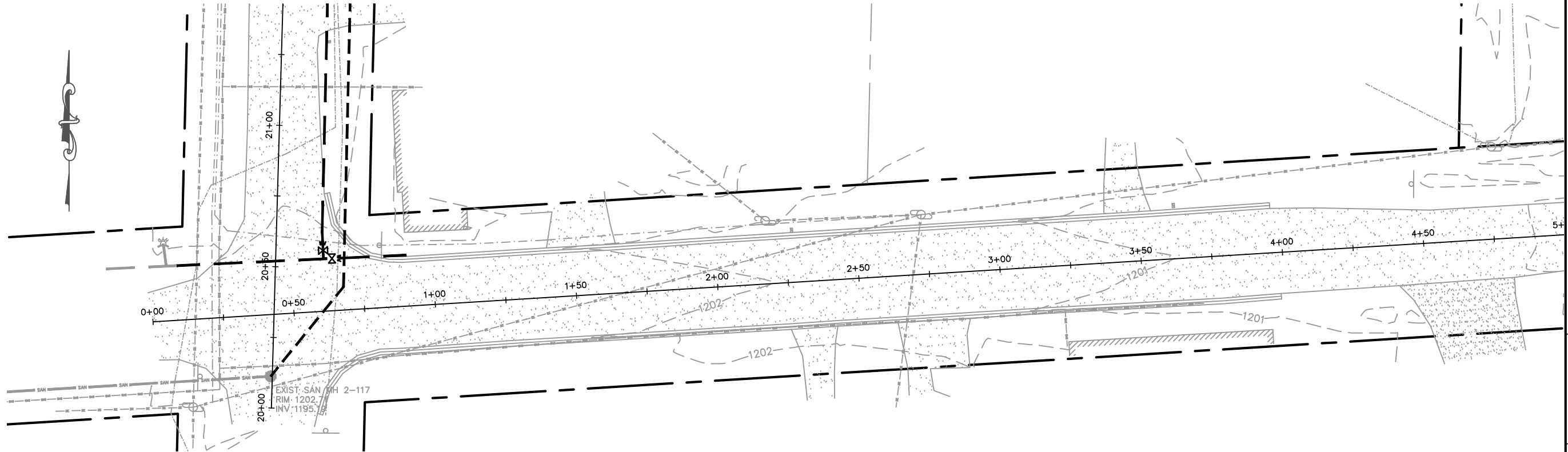
SHEET NO.

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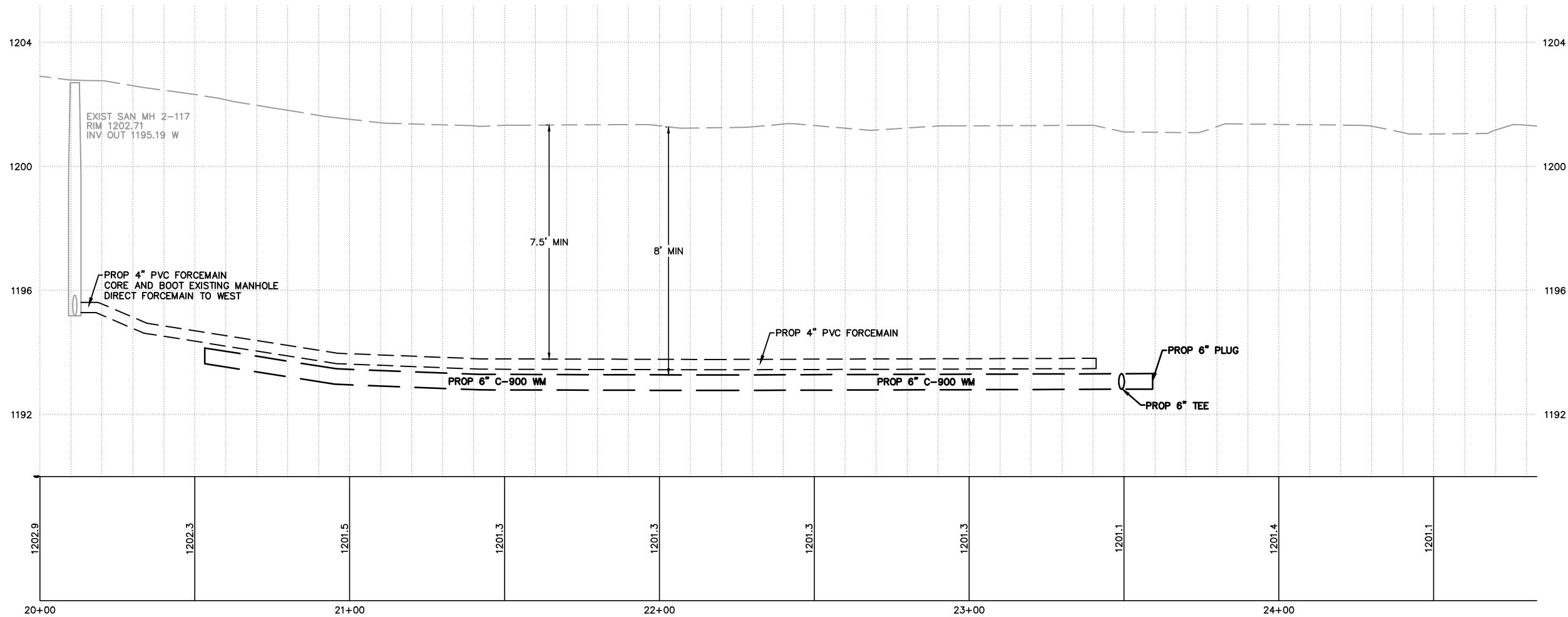
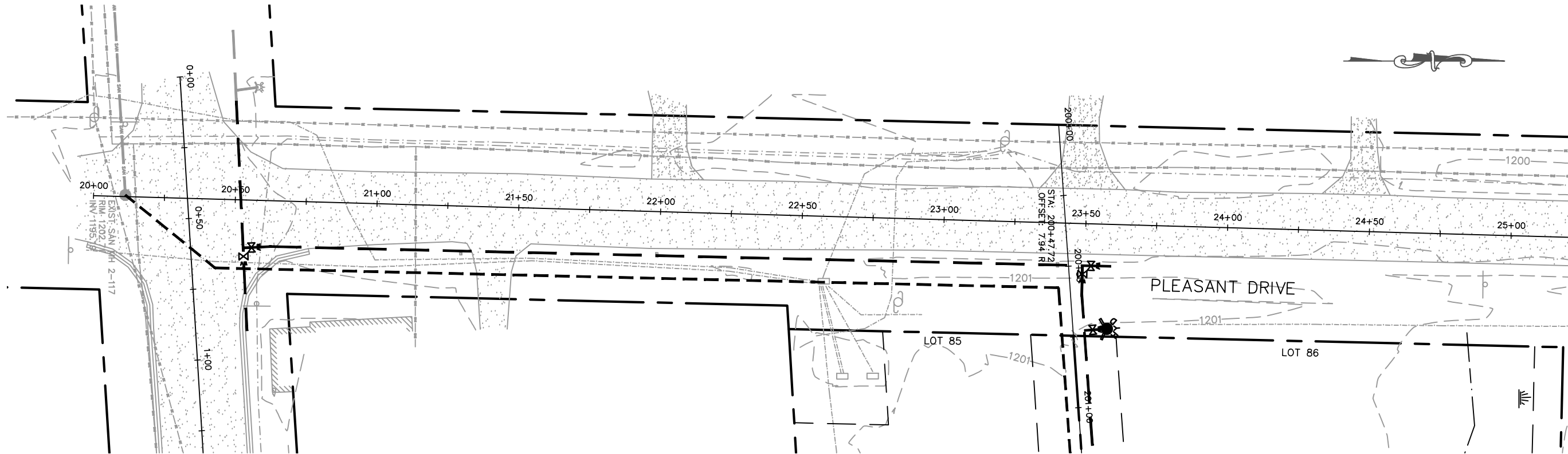
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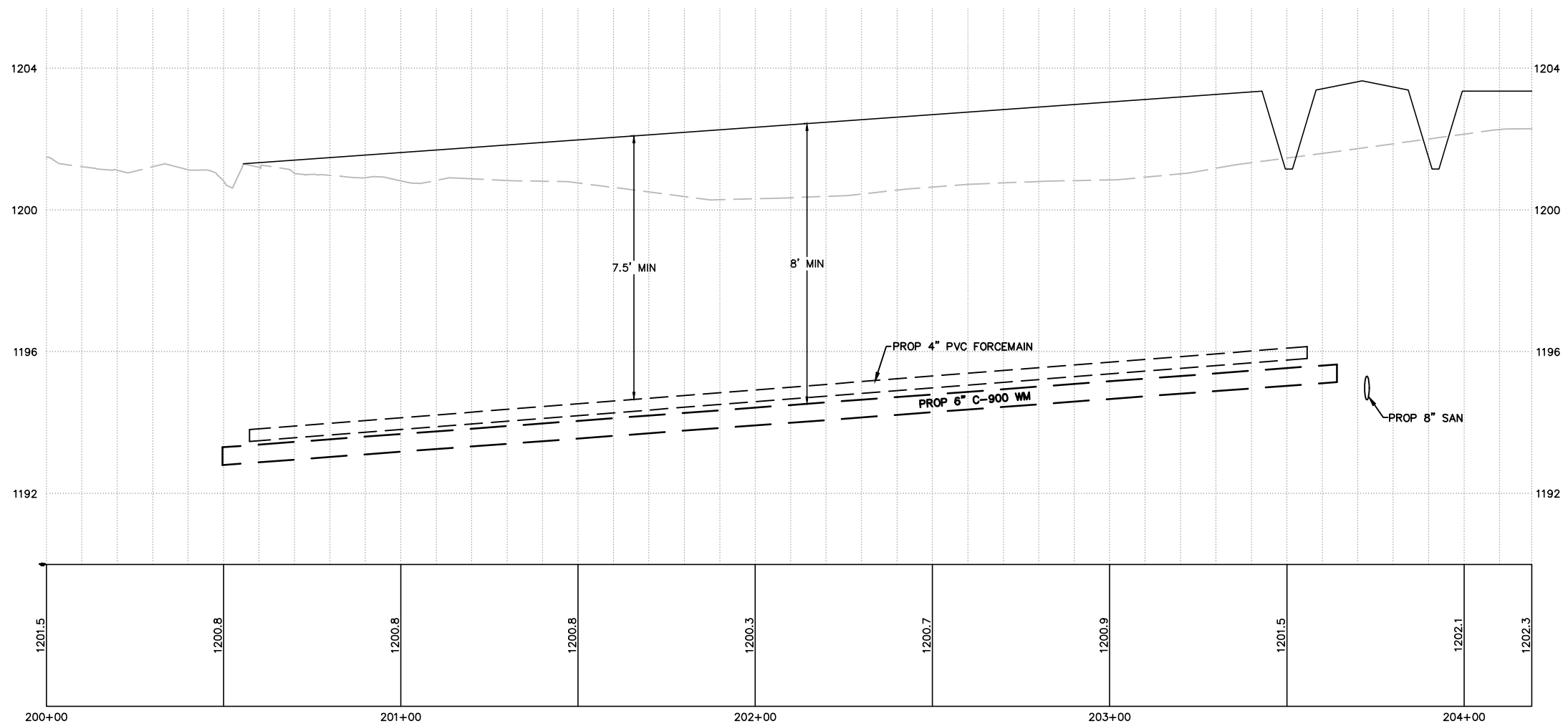
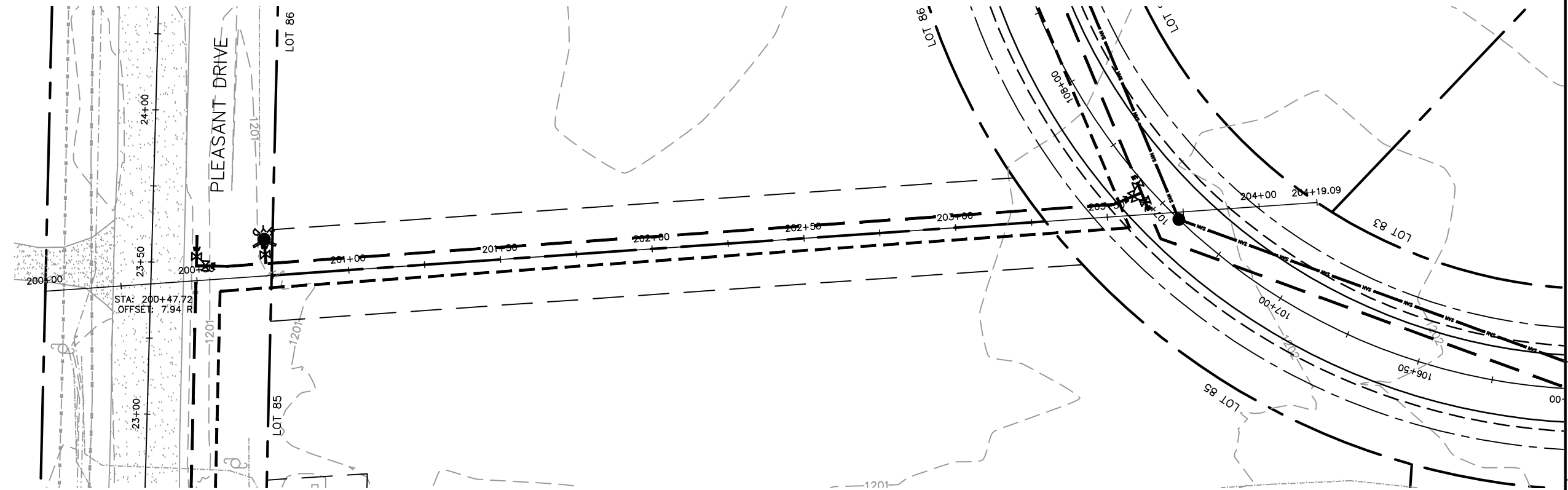
MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 54485 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
SHEET LAYOUT		REVISION DATE	
GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
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SHEET NO.		13	
		26	



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REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
PINE STREET PLAN & PROFILE		AAAAAA SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE 1" = 40' H 1" = 4' V		SHEET NO.	
14		27	



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PLEASANT STREET PLAN & PROFILE		AAAAAA SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE		1" = 40' H 1" = 4' V	
SHEET NO.		15	



MARATHON TECHNICAL SERVICES LLC

CONSULTING ENGINEERS 5

1699 SCHOFIELD AVE - SCHOFIELD, WI 53090

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APPROVED: MWT

UTILITY EASEMENT

PLAN & PROFILE

AAAAAA SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

VILLAGE OF KRONENWETTER, MARATHON COUNTY

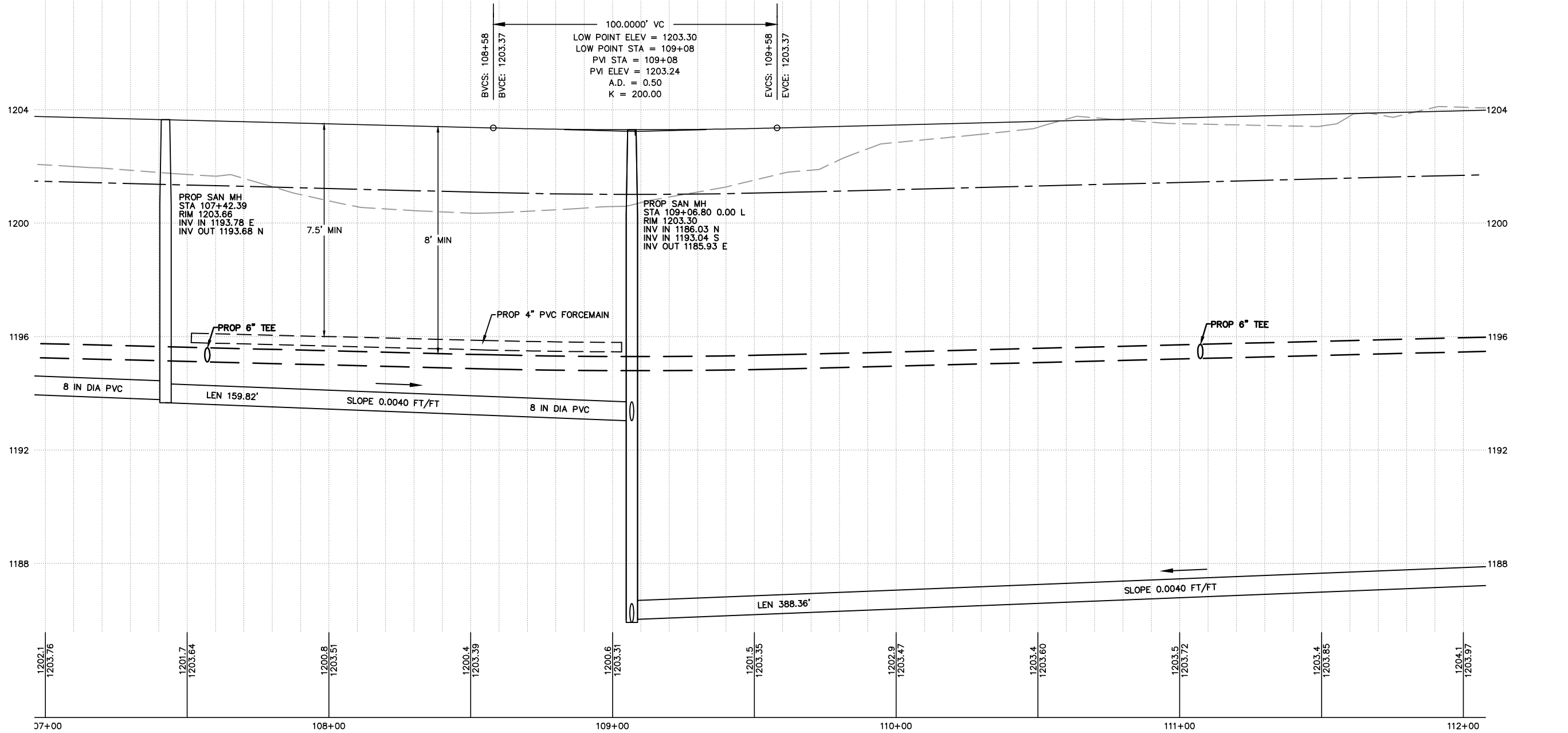
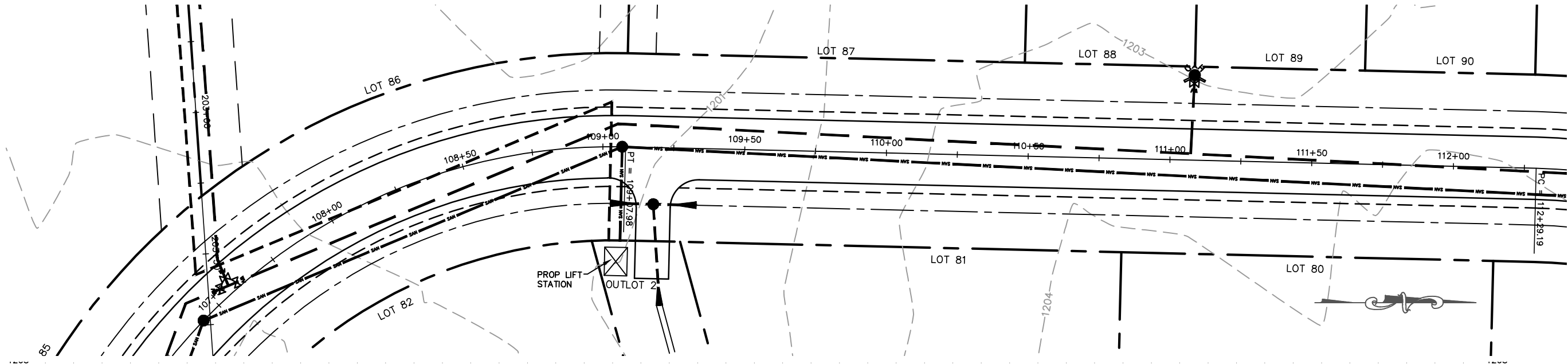
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$$1'' = 4' V$$

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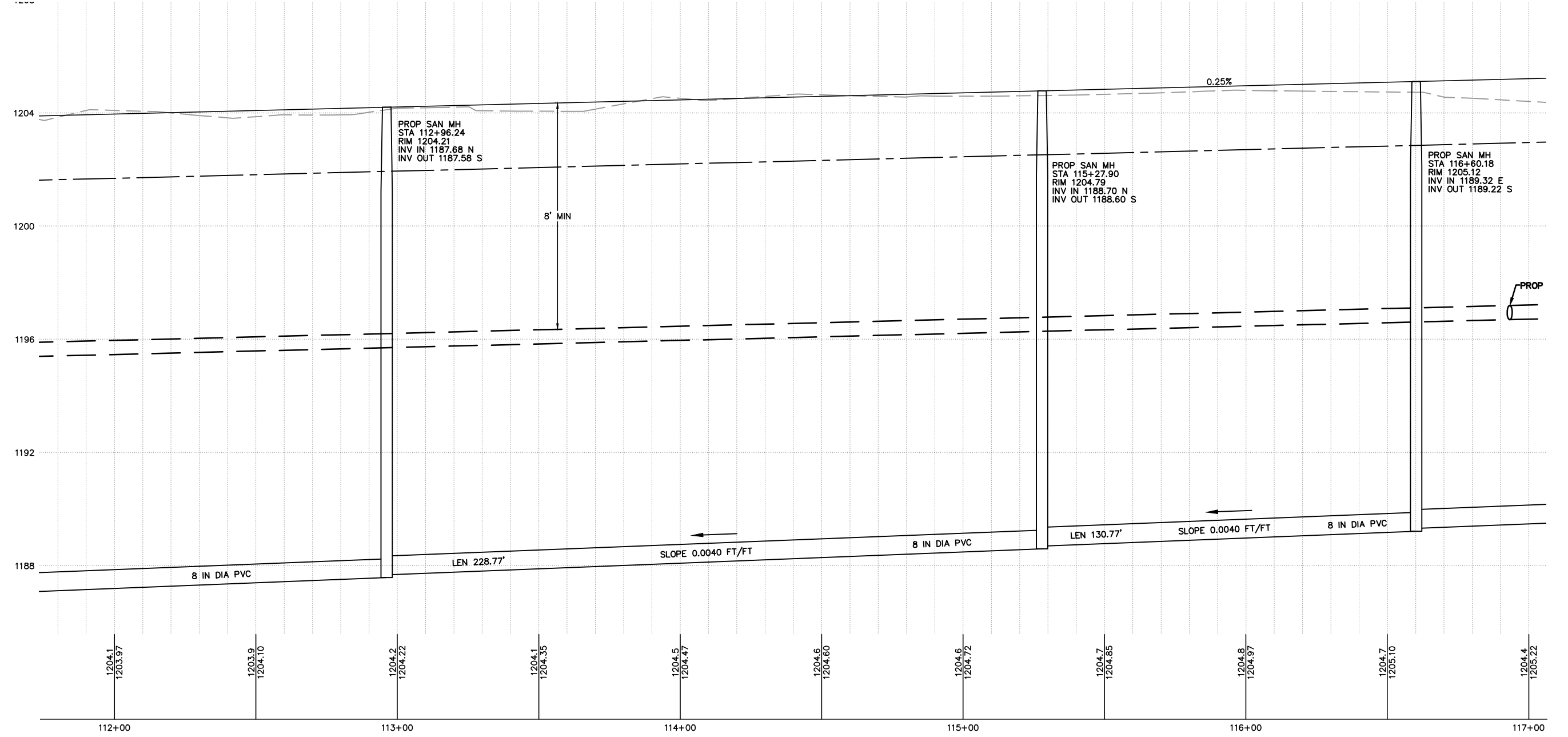
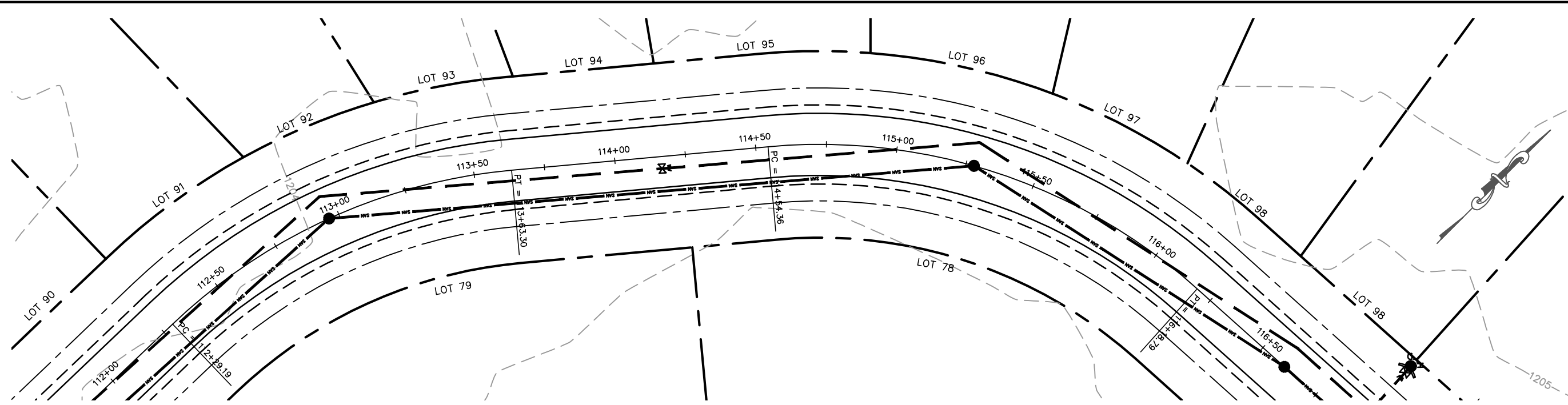


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**POND LOOP
PLAN & PROFILE**
GLACIER MEADOWS SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

SCALE 1" = 40' H 1" = 4' V
SHEET NO. 17



Section 4, ItemD.

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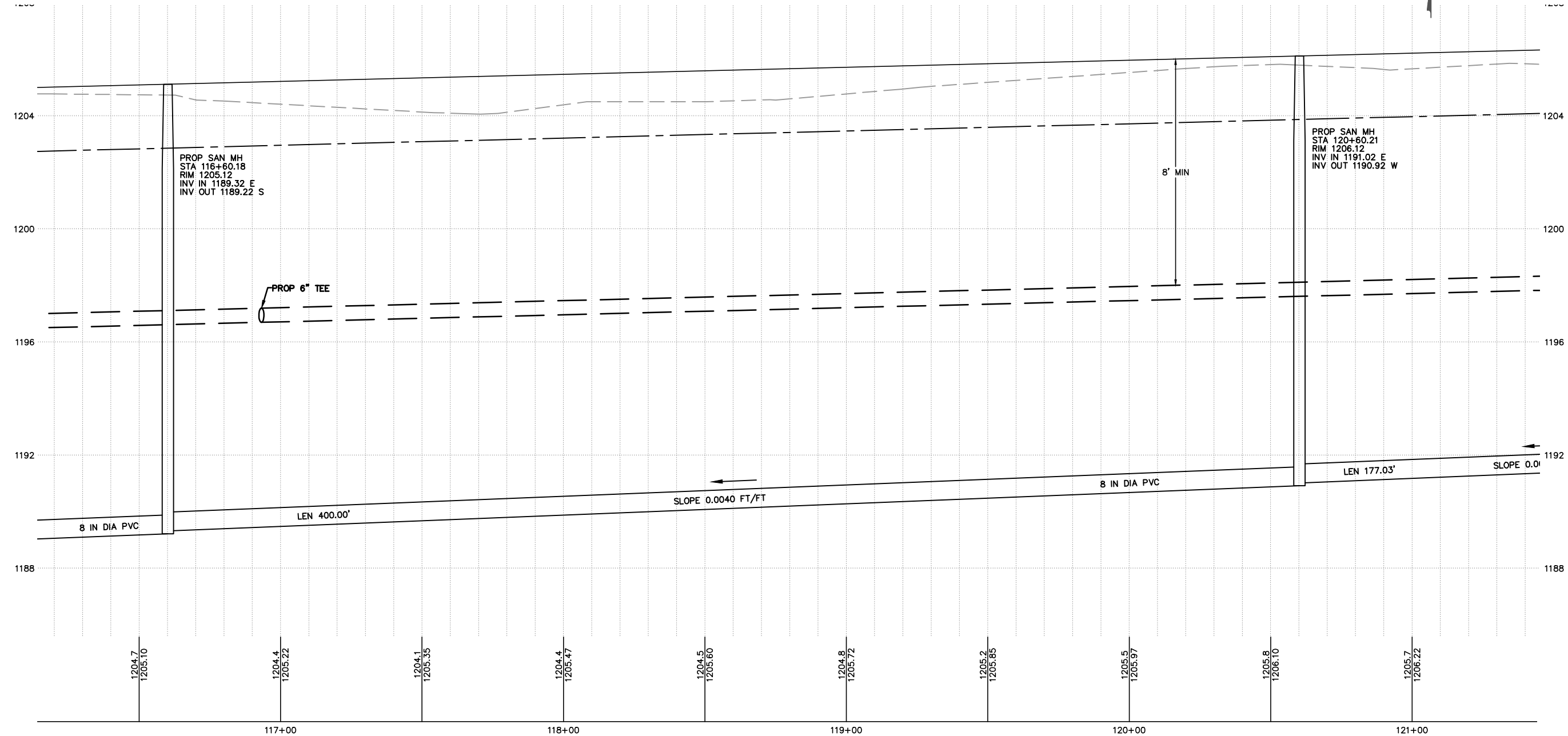
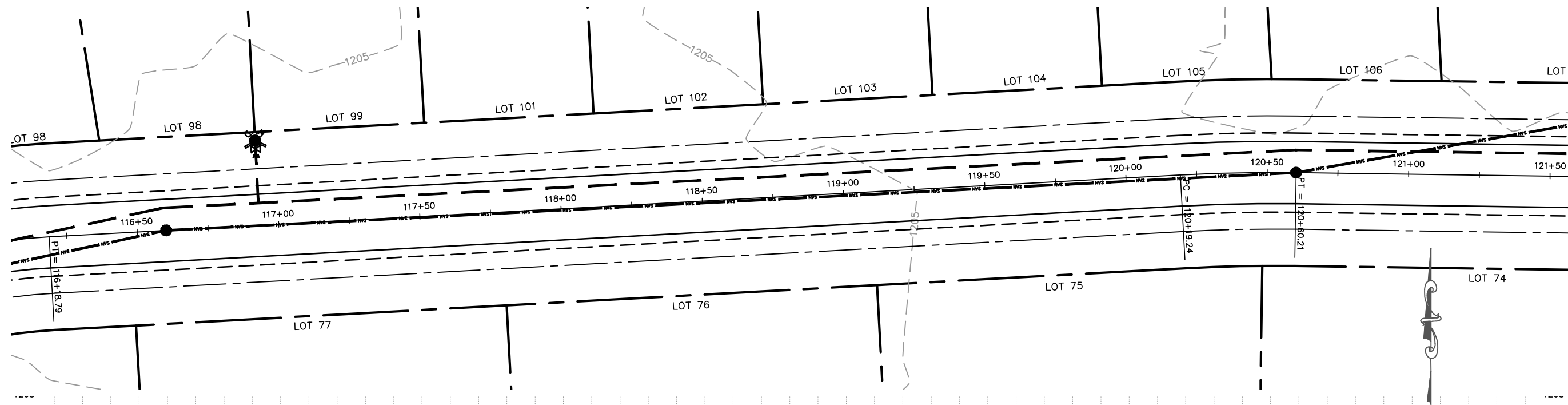
POND LOOP
PLAN & PROFILE

GLACIER MEADOWS SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

SCALE
1" = 40' H
1" = 4' V

SHEET NO.
18

31



MARATHON TECHNICAL SERVICES LLC

ON TECHNICAL SERVICES
CONSULTING ENGINEERS

CONSULTING ENGINEERS
1699 SCHOFIELD AVE - SCHOFIELD, WI 53599

PHONE & FAX - (715)843-7292

NE & FA - (713) 843-
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POND LOOP

PLAN & PROFILE

GLACIER MEADOWS SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

GLACIER MEADOWS SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

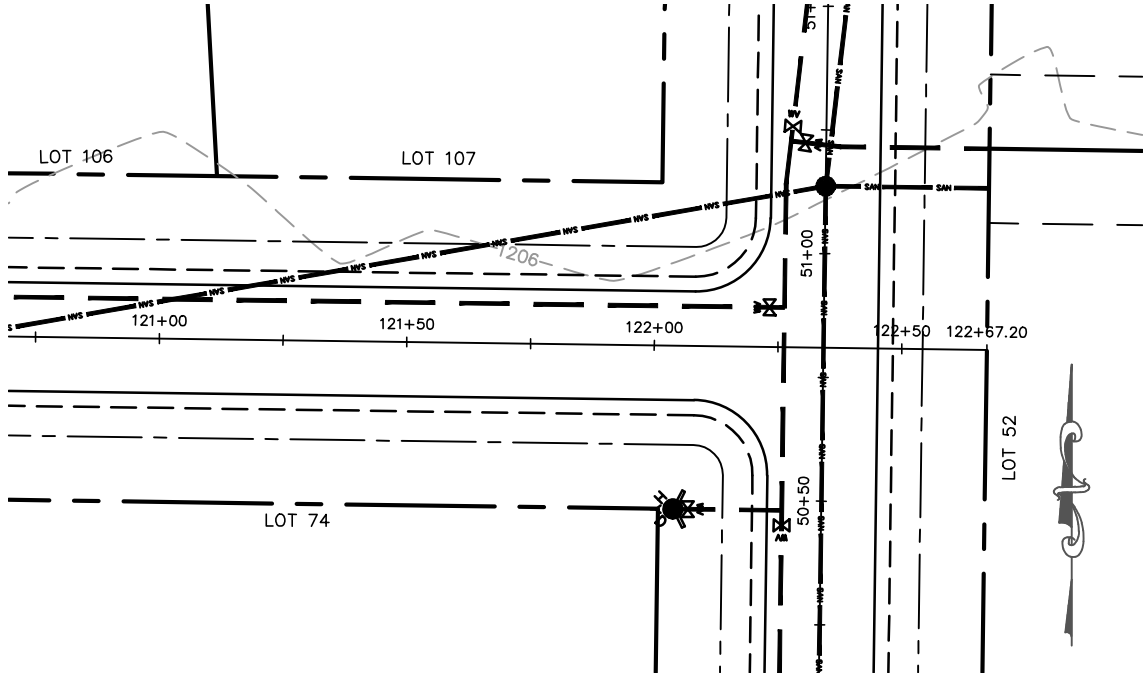
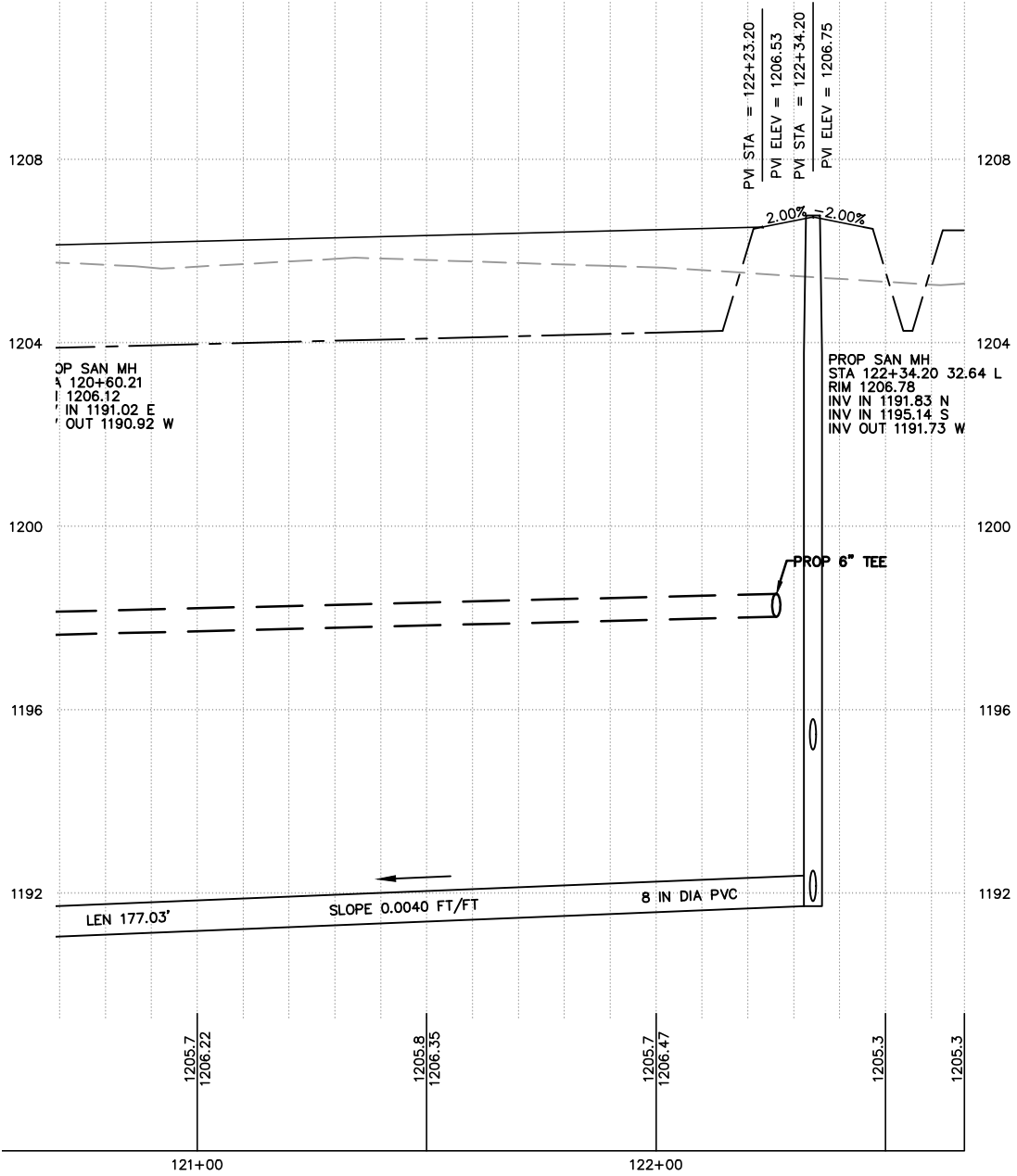
SCALE

$$1'' = 40' \text{ H}$$
$$1'' = 4' V$$

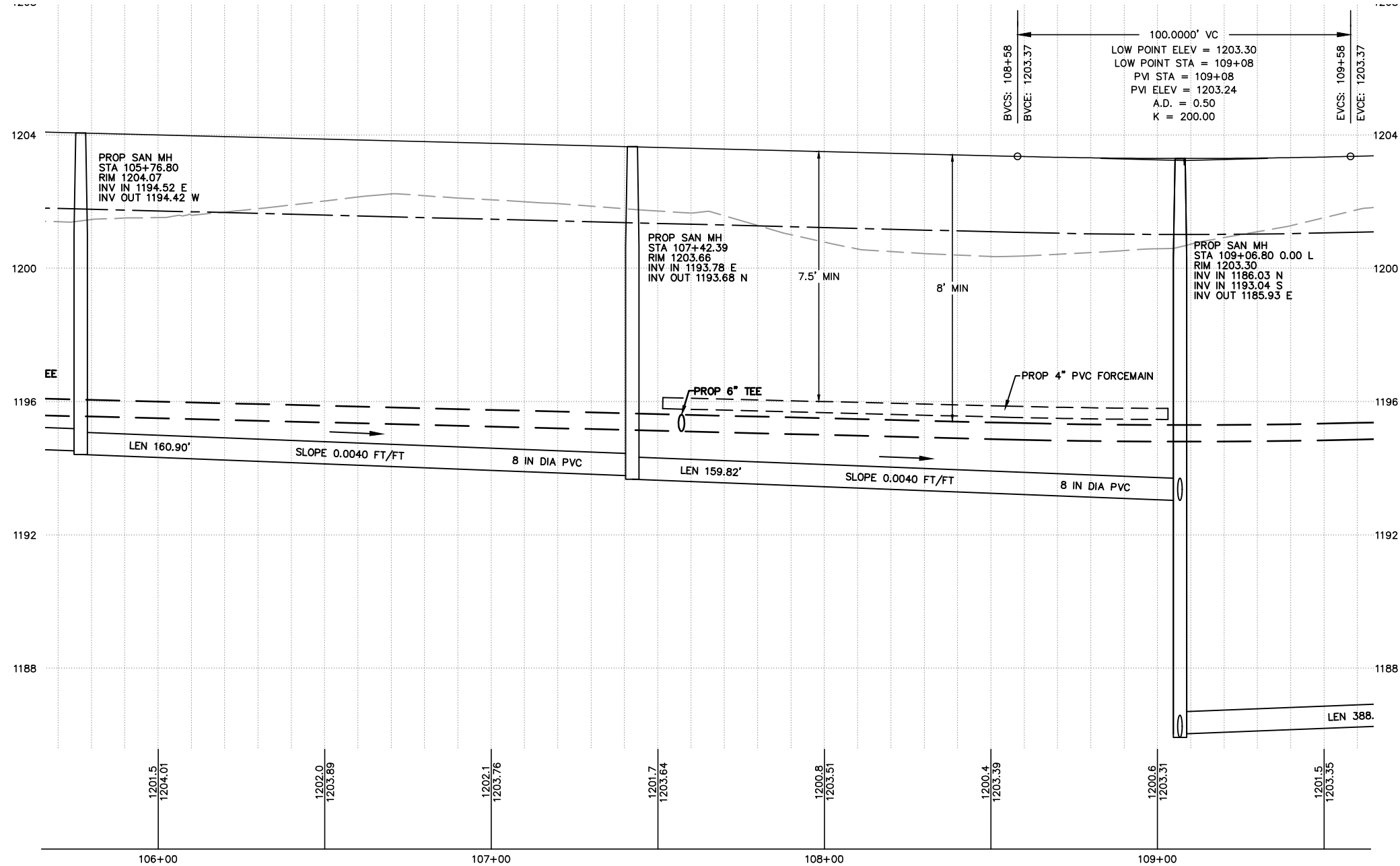
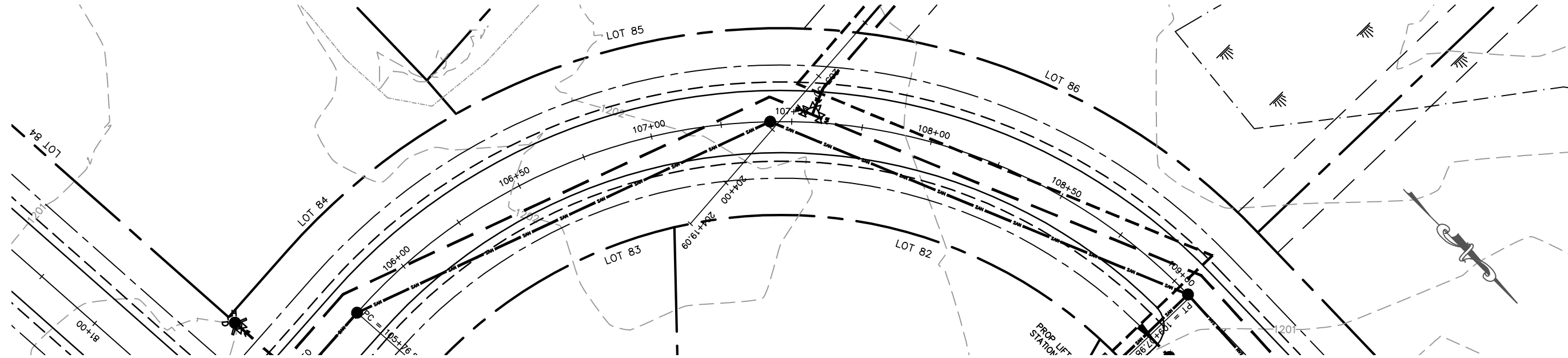
SHEET NO.

19

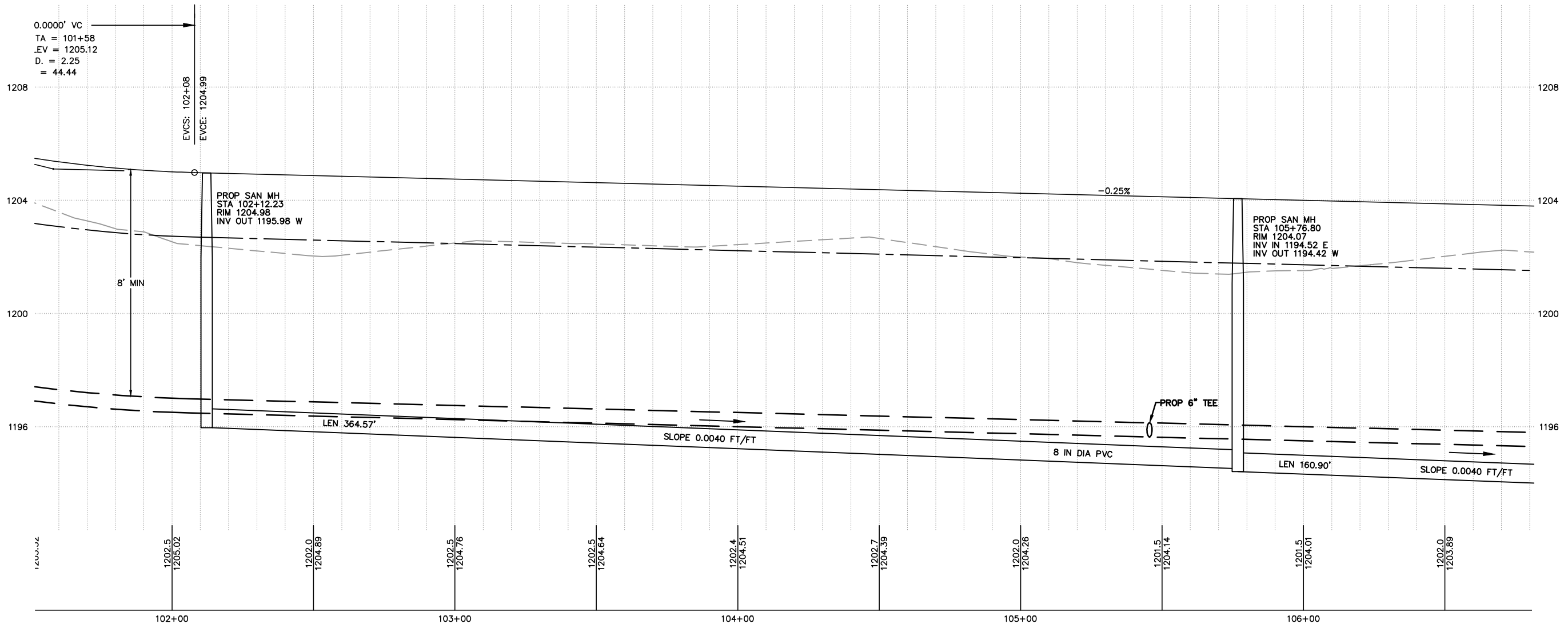
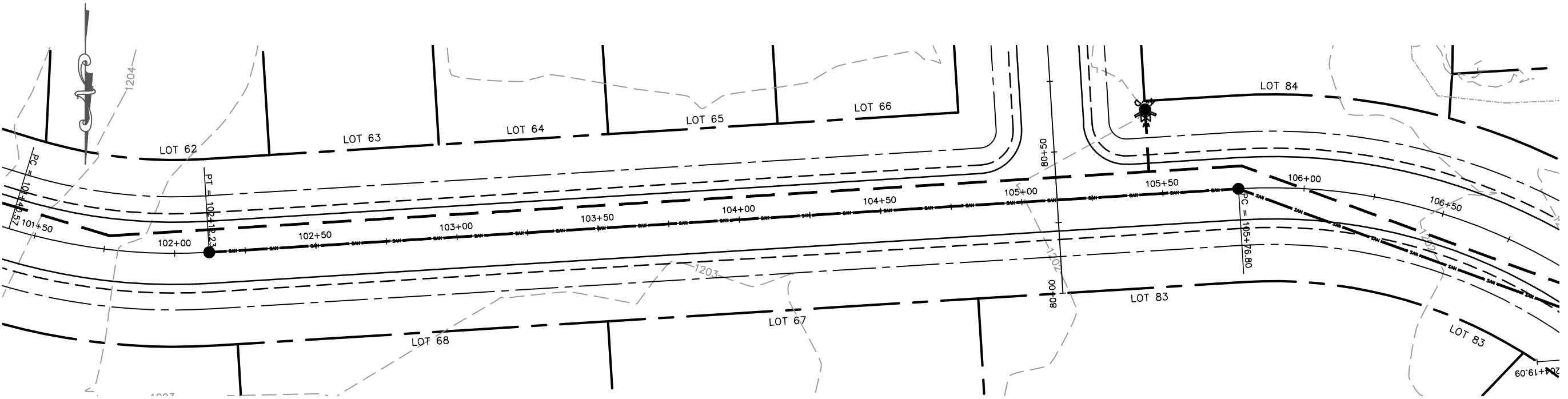
32



POND LOOP PLAN & PROFILE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT		REVISION DATE	
GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53599 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET			
SCALE 1" = 40' H 1" = 4' V		Section 4, Item D.			
SHEET NO. 20		33			



MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53090 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
POND LOOP PLAN & PROFILE		GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE		1" = 40' H 1" = 4' V	
SHEET NO.		21	



MARATHON TECHNICAL SERVICES LLC
CONSULTING ENGINEERS
1699 SCHOFIELD AVE - SCHOFIELD, WI 53599
PHONE & FAX - (715)843-7292
WWW.MTSLLC.NET

Section 4, Item D.

REVISION DATE

SURVEYED: RIVERSIDE
DESIGNED: MTS
DRAWN BY: NSB
APPROVED: MWT

POND LOOP
PLAN & PROFILE

GLACIER MEADOWS SUBDIVISION
VILLAGE OF KRONENWETTER, MARATHON COUNTY

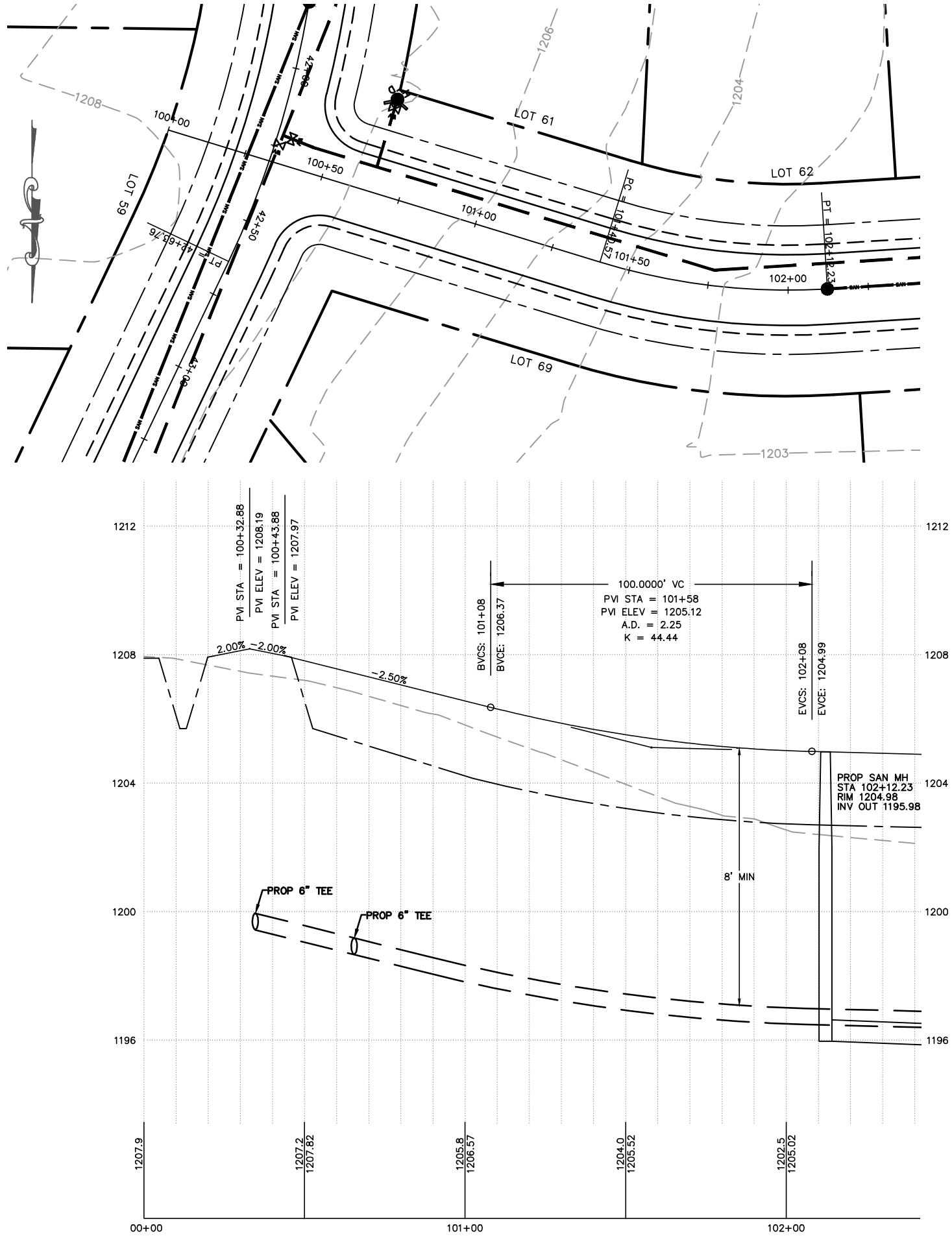
SCALE

1" = 40' H
1" = 4' V

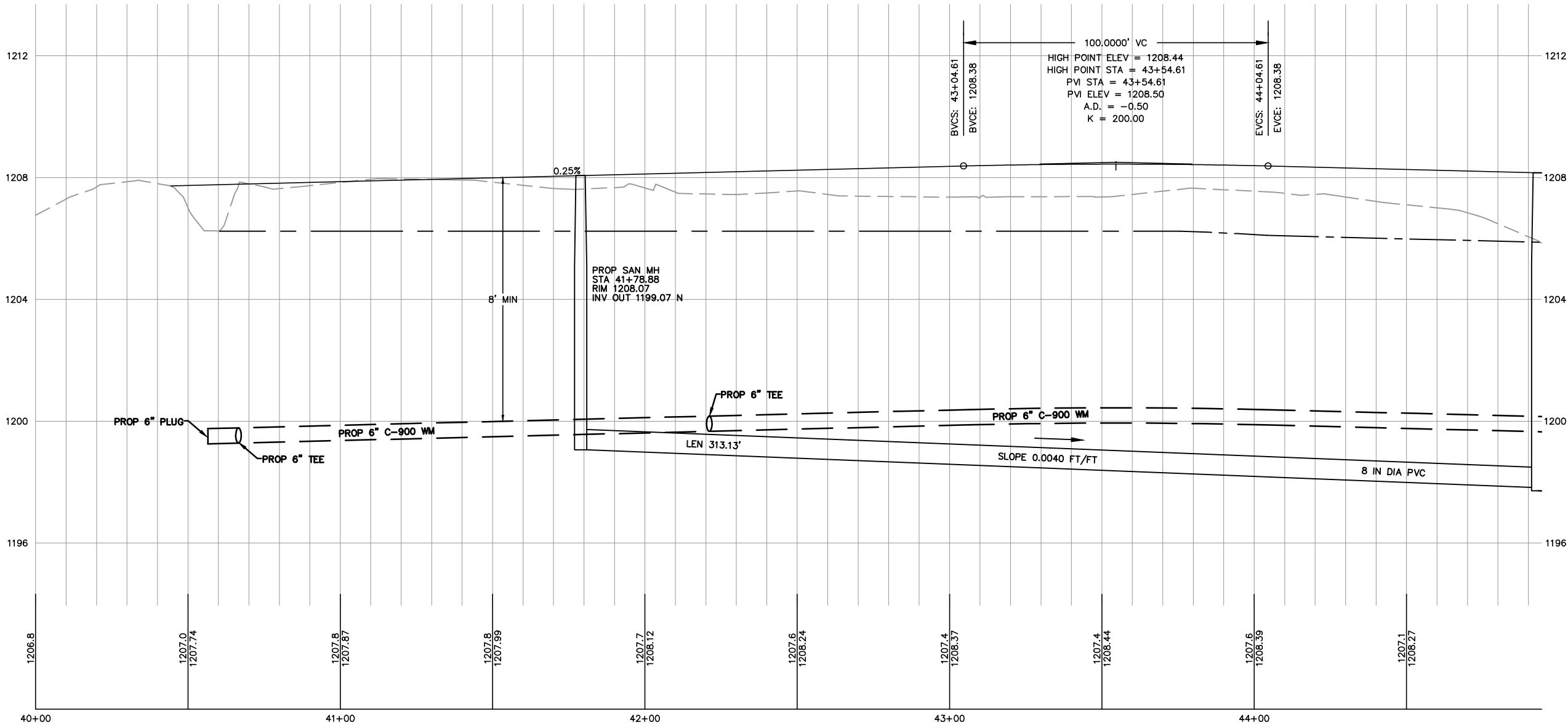
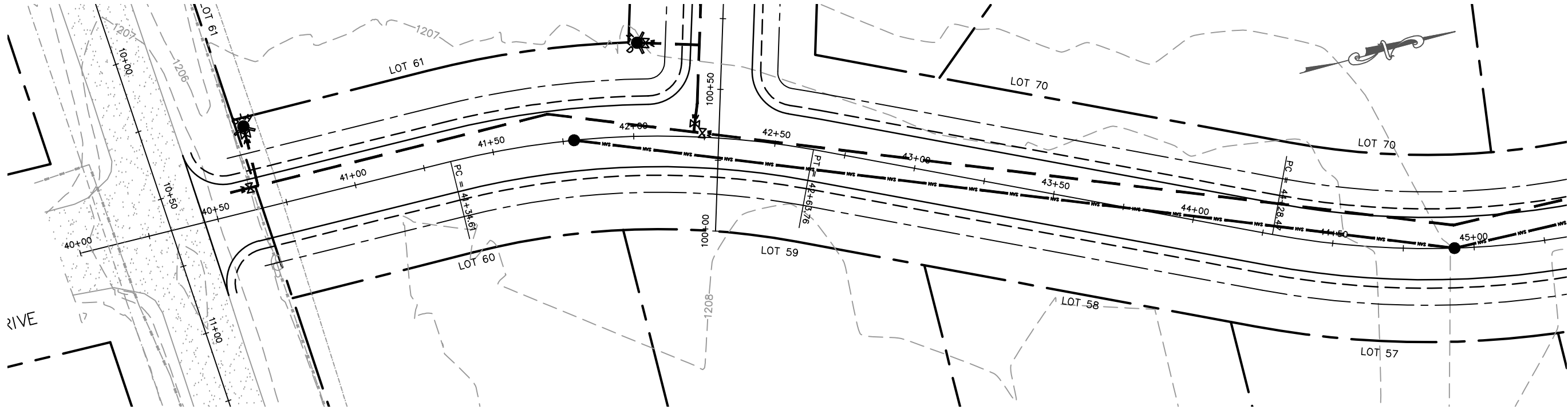
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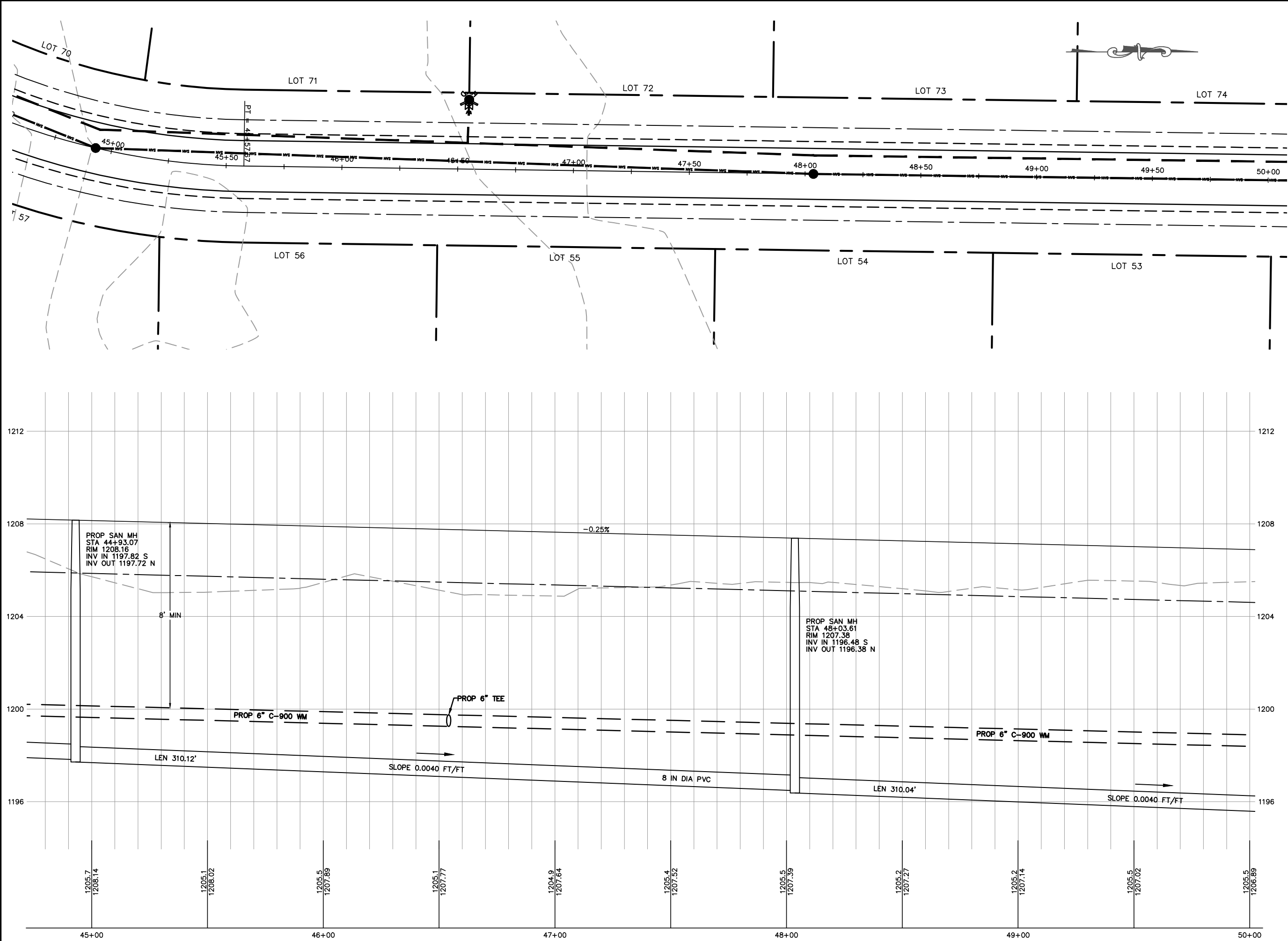
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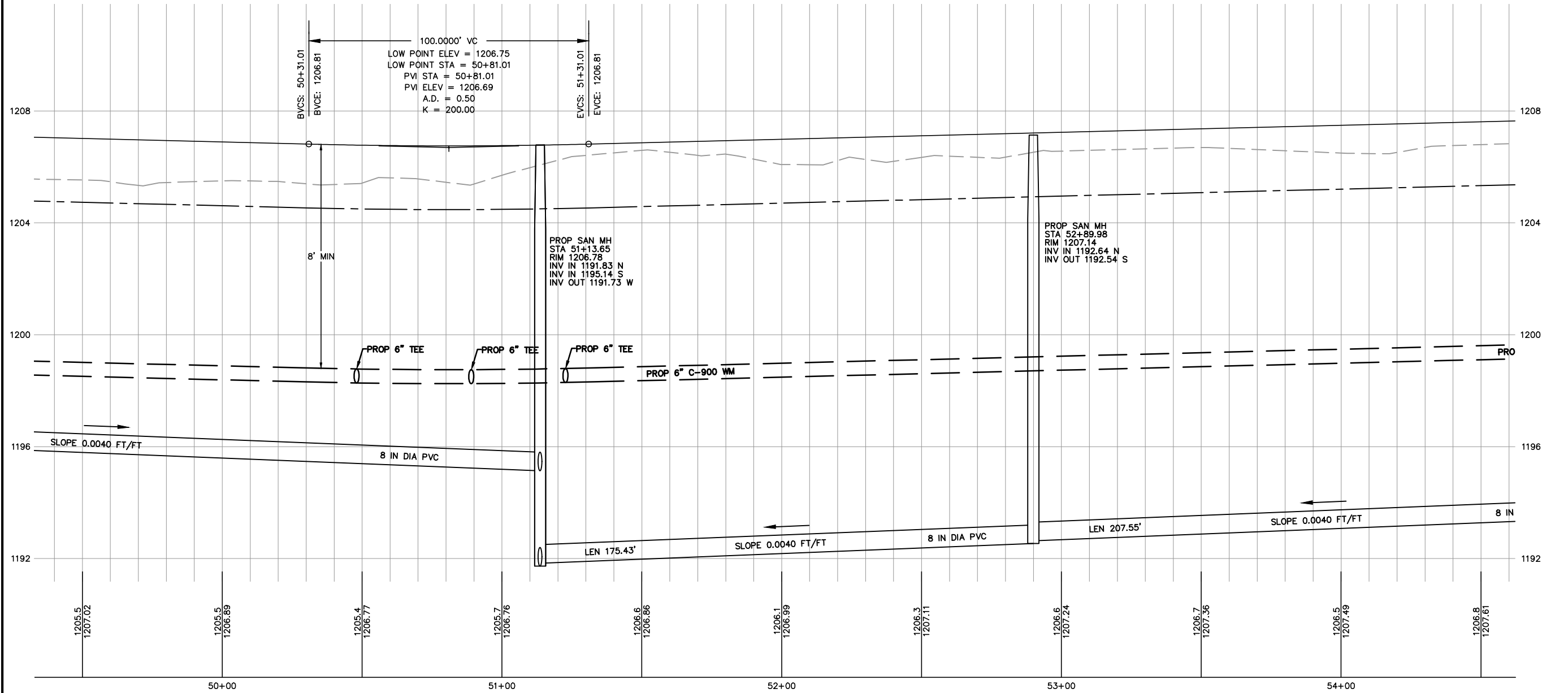
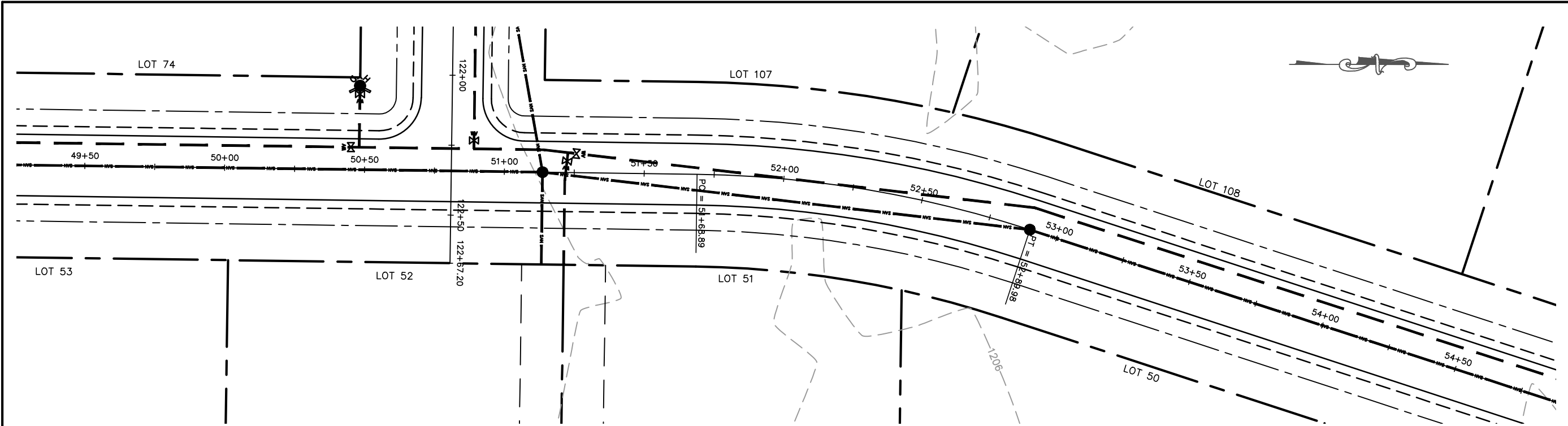
POND LOOP		MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53090 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET
PLAN & PROFILE		
GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		
SCALE 1" = 40' H 1" = 4' V SHEET NO.		
23		Section 4, Item D.



MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53598 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
GOLDFINCH PLAN & PROFILE		AAAAAA SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE 1" = 40' H 1" = 4' V		SHEET NO.	
24		37	



MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53599 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, ItemD.	
REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
GOLDFINCH PLAN & PROFILE		AAAAAA SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE 1" = 40' H 1" = 4' V		SHEET NO. 25	



MARATHON TECHNICAL SERVICES LLC

CONSULTING ENGINEERS

1699 SCHOFIELD AVE - SCHOFIELD, WI 53091

PHONE & FAX - (715)843-7292

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Section 4, ItemD.

REVISION DATE

SURVEYED: RIVERSIDE

DESIGNED: MTS

DRAWN BY: NSB

APPROVED: MWT

GOLDFINCH

PLAN & PROFILE

AAAAAA SUBDIVISION

VILLAGE OF KRONENWETTER, MARATHON COUNTY

SCALE

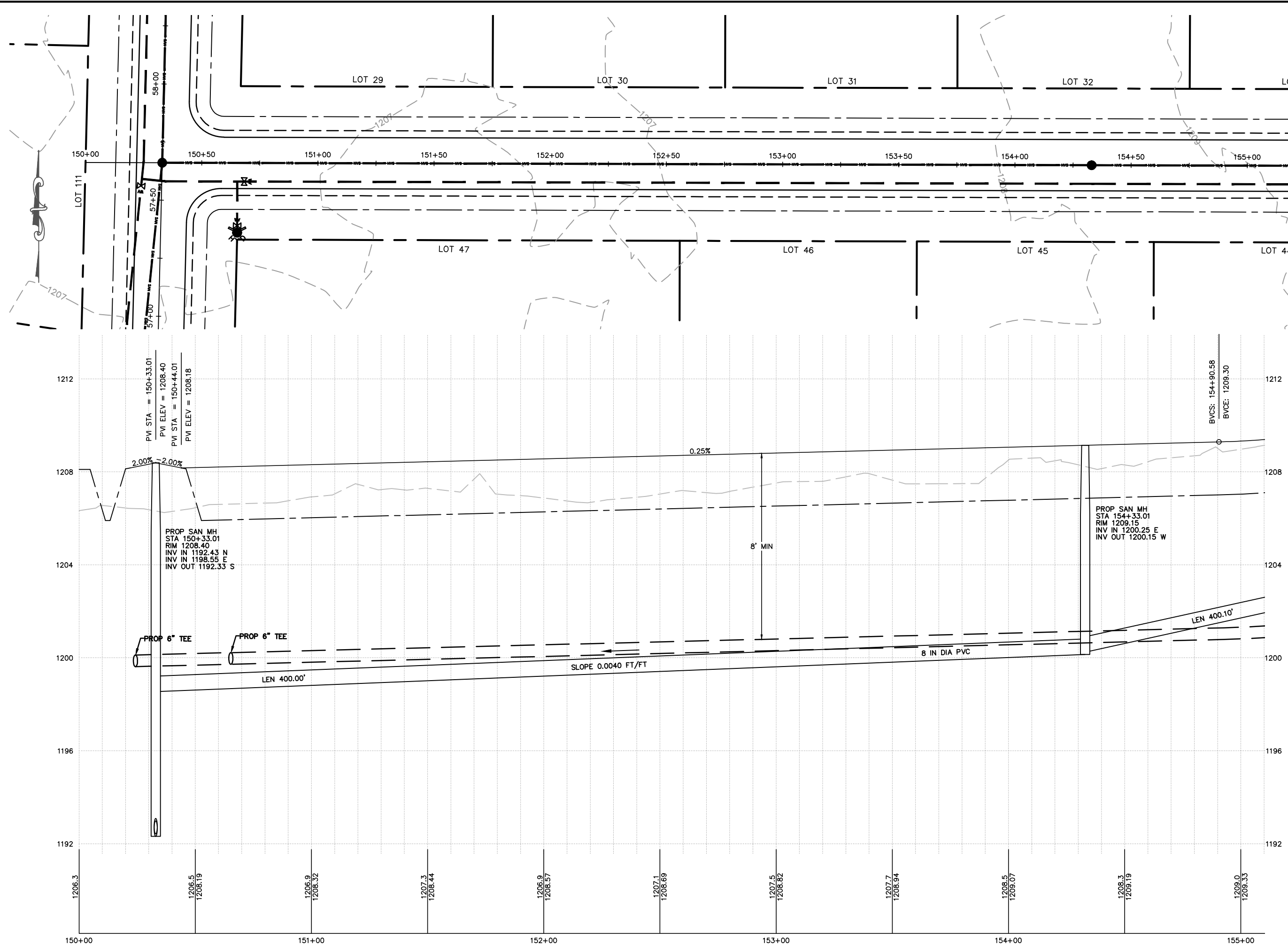
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1" = 4' V

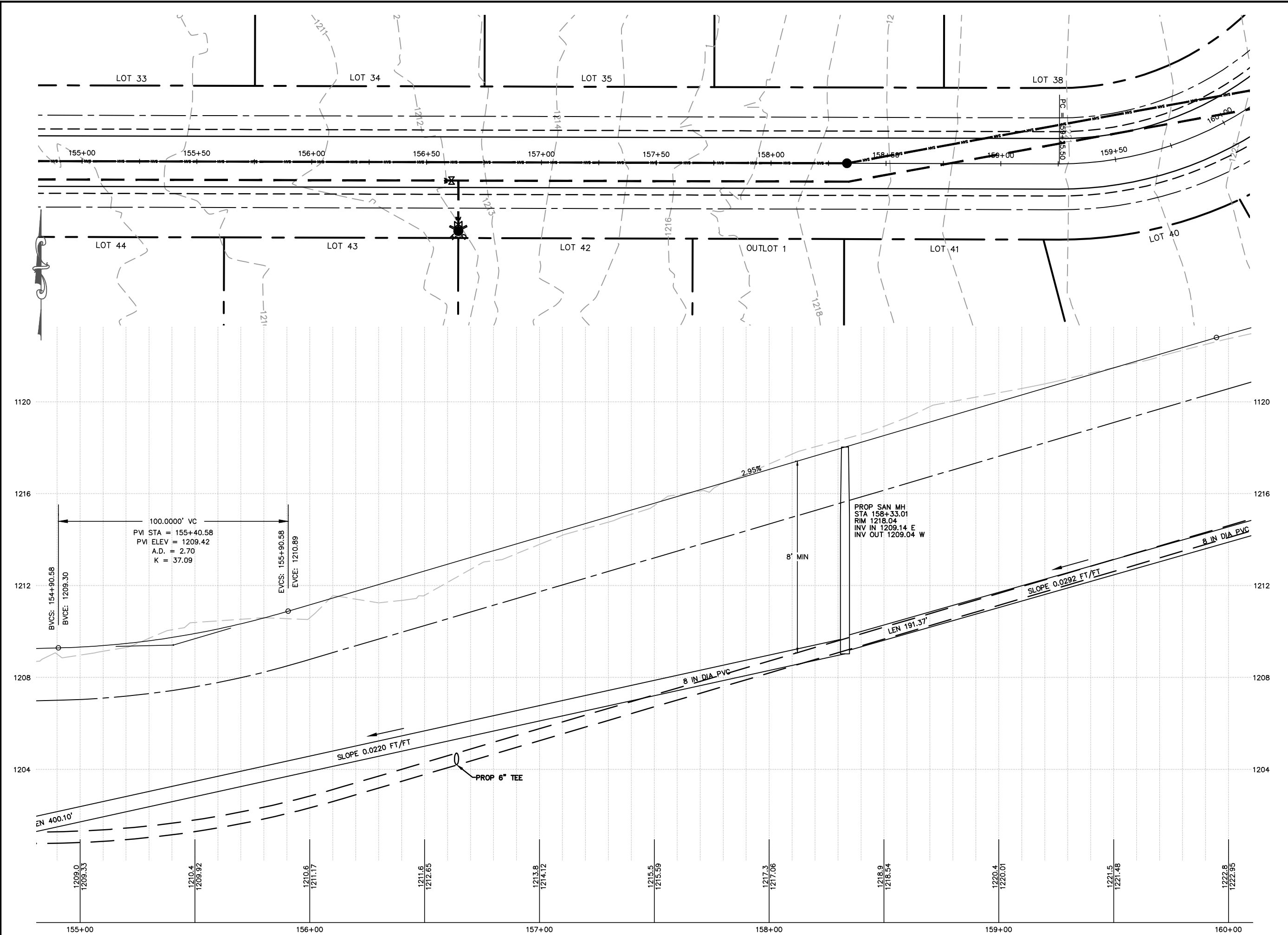
SHEET NO.

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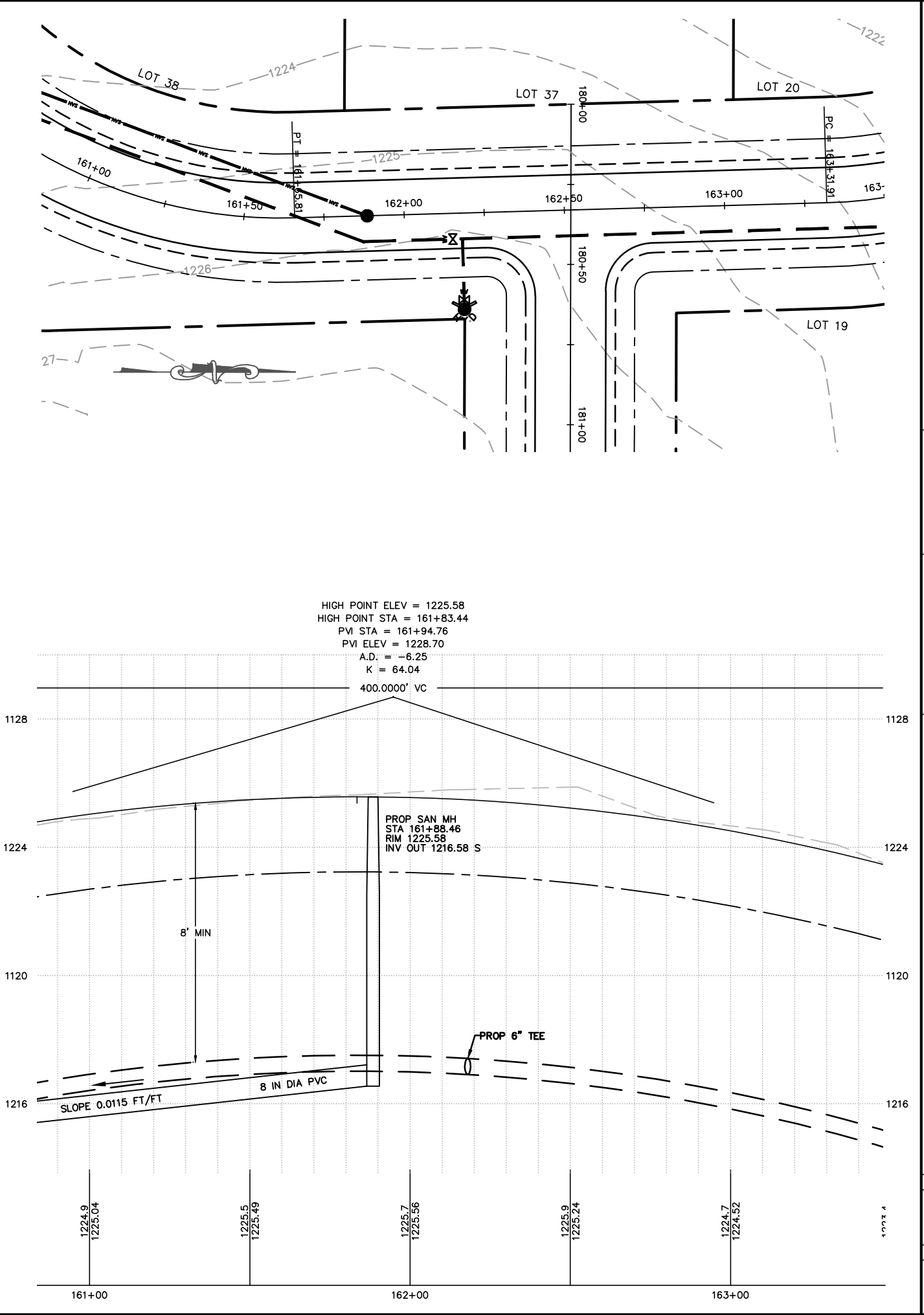
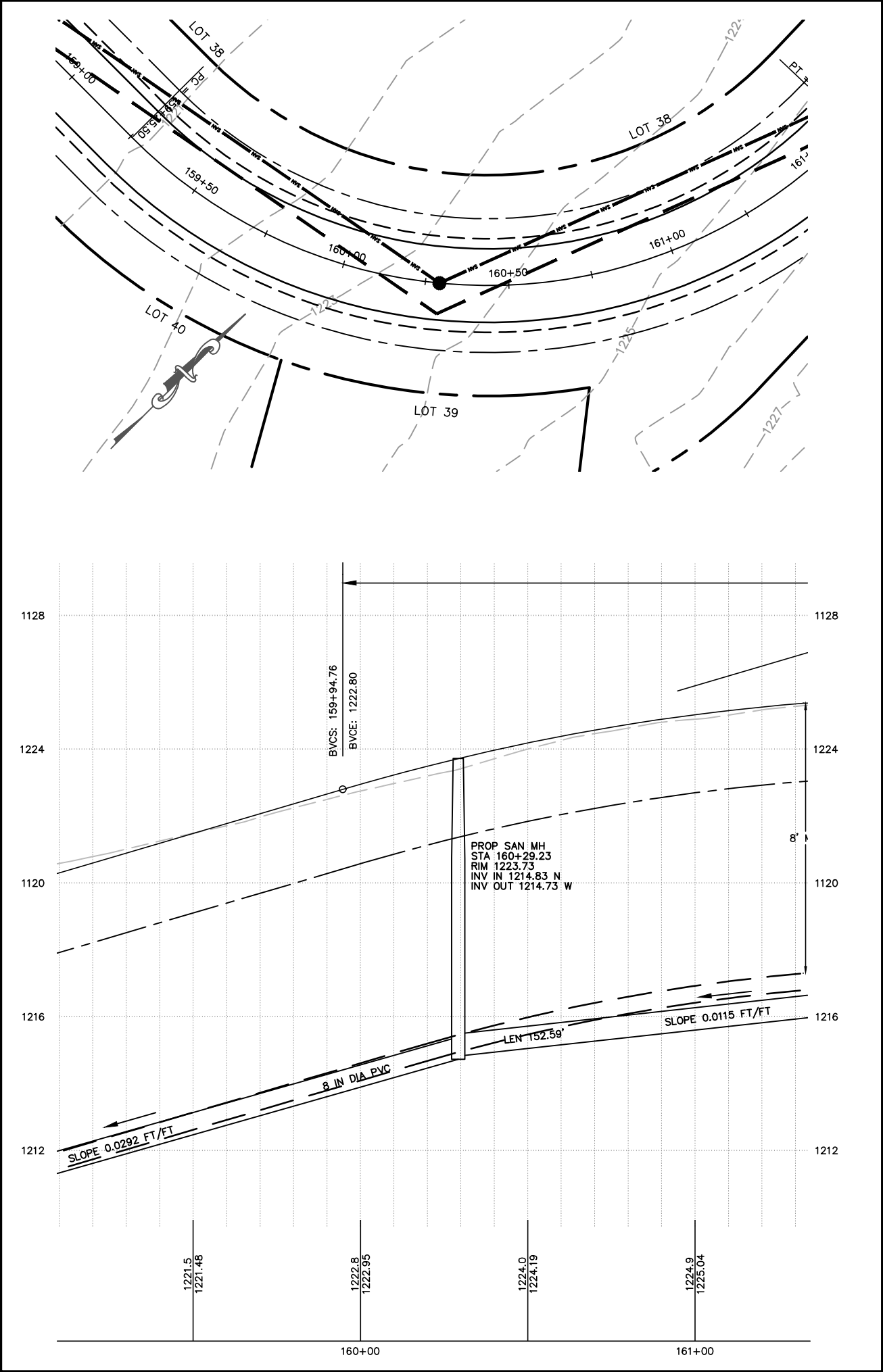
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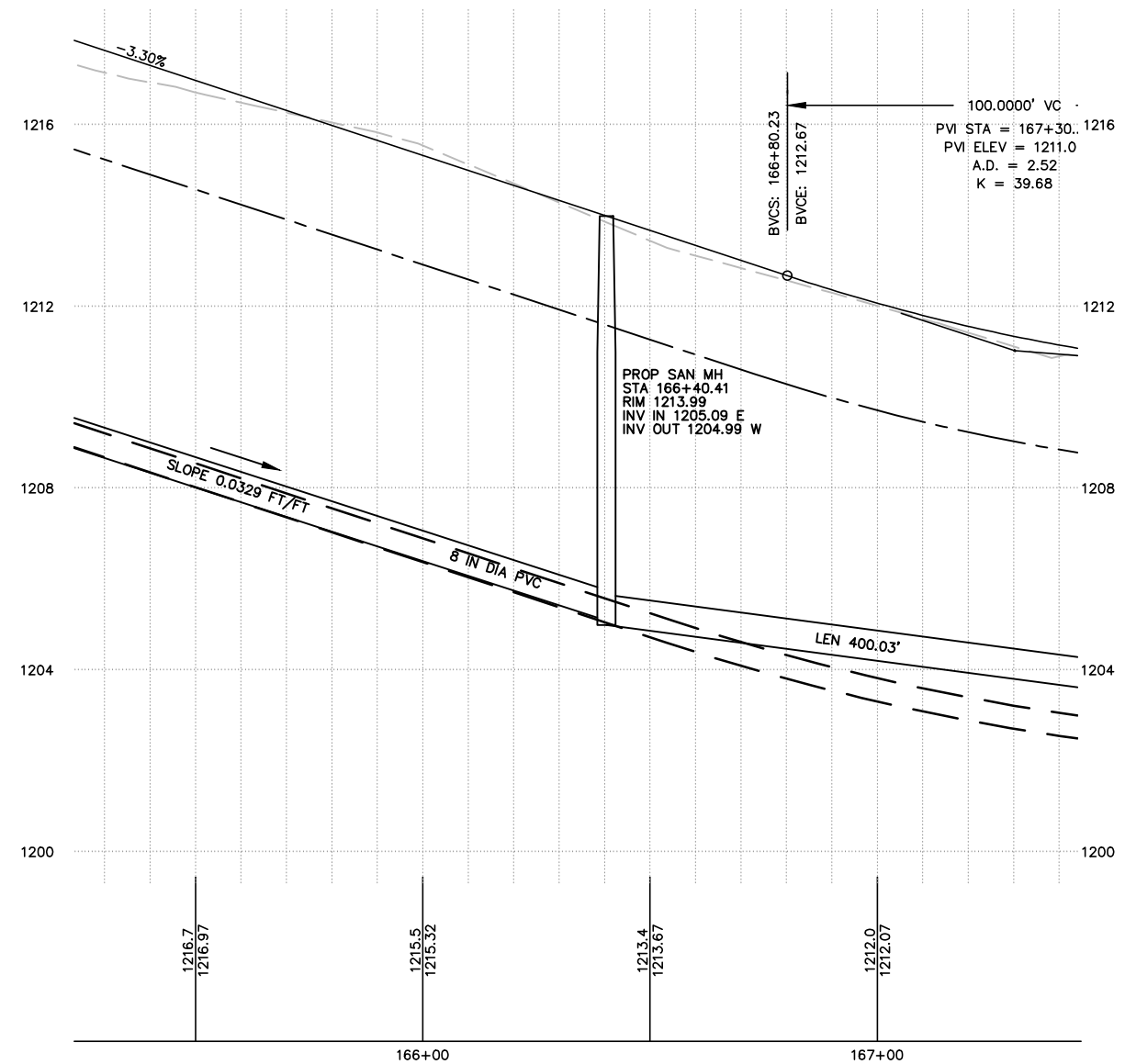
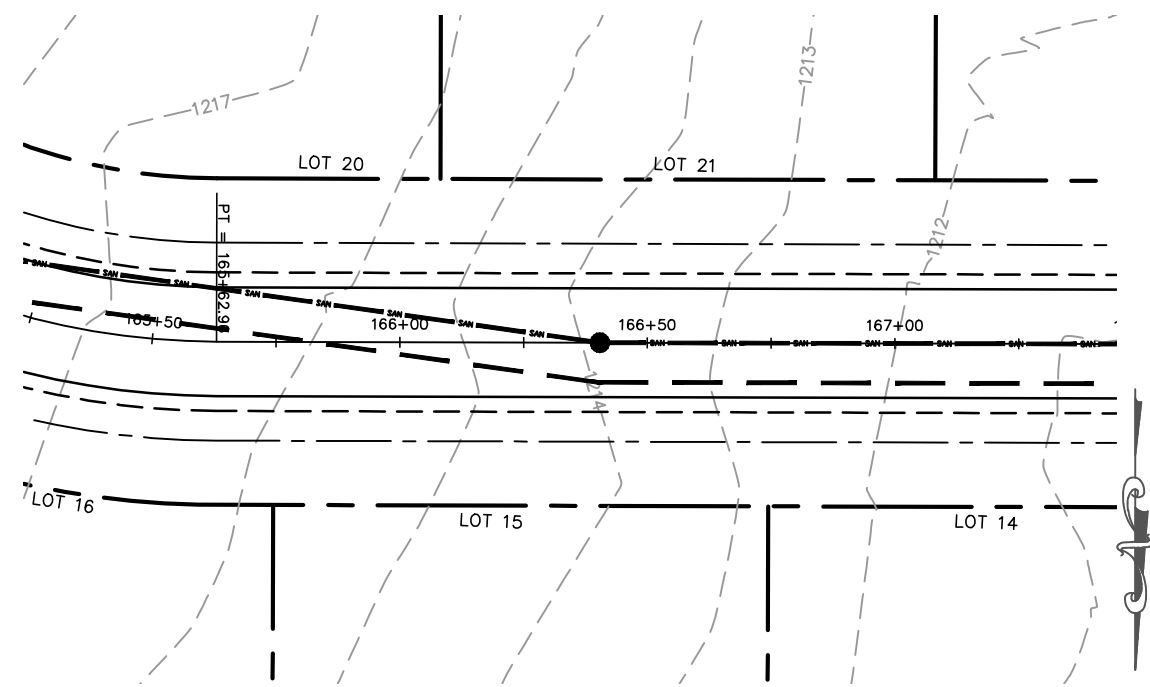
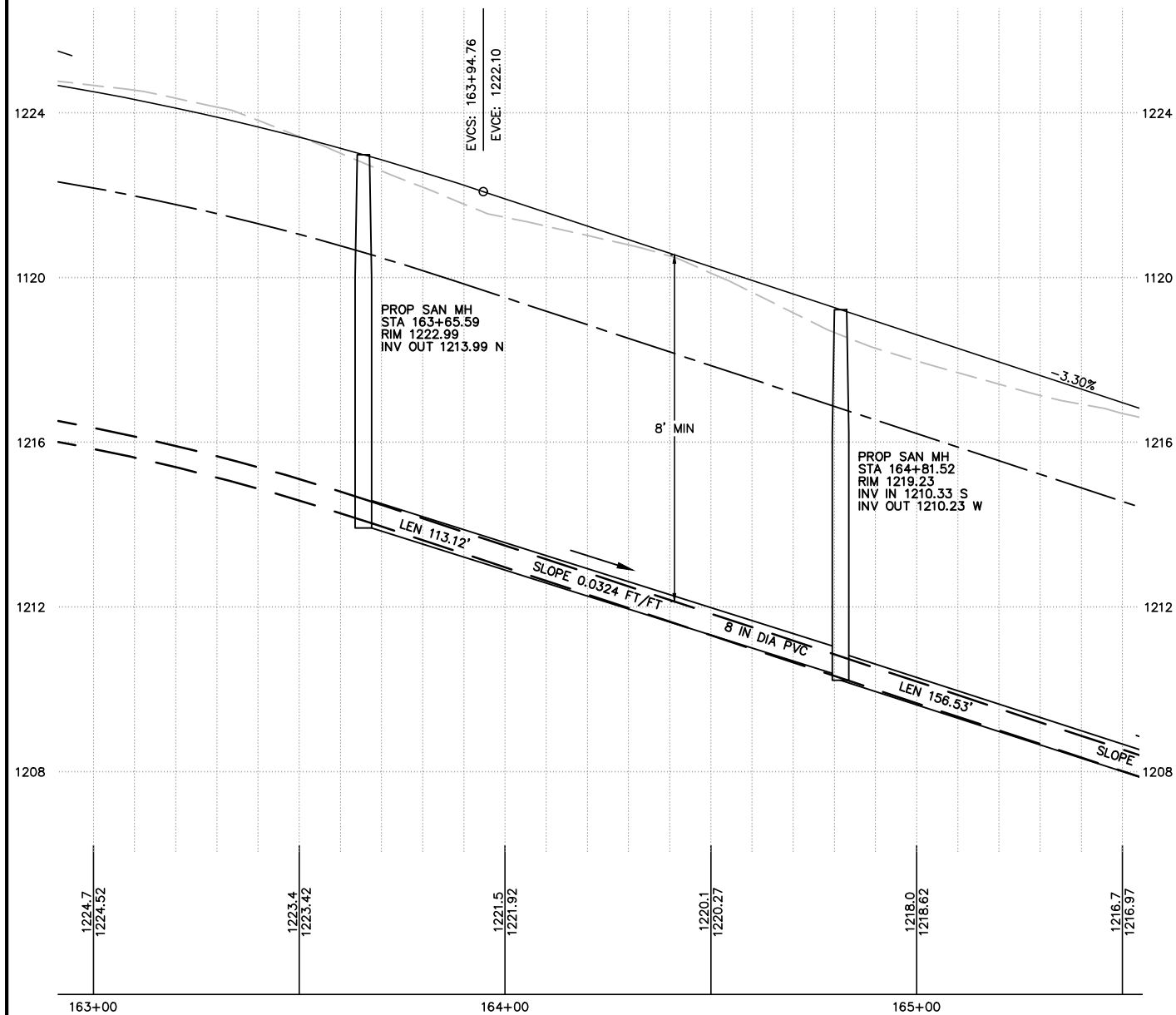
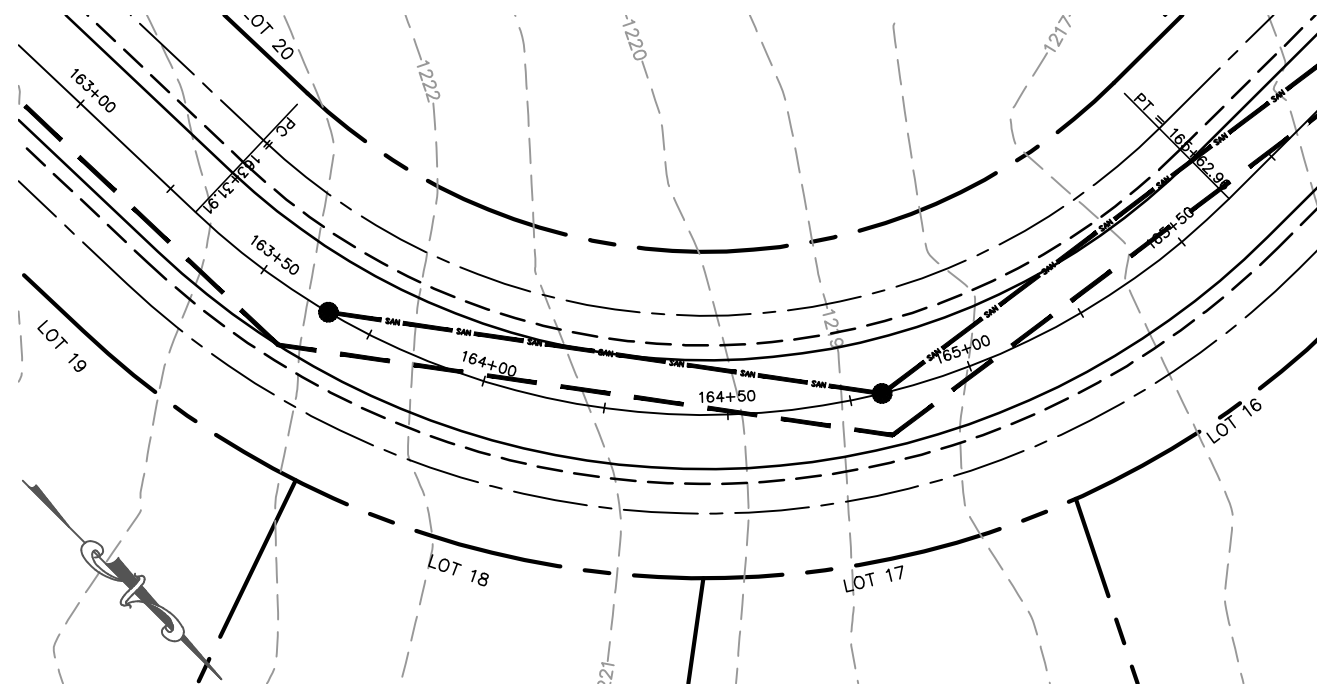
MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53091 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.
SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT		REVISION DATE
NORTH LOOP PLAN & PROFILE GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		
SCALE 1" = 40' H 1" = 4' V		
SHEET NO. 29		42



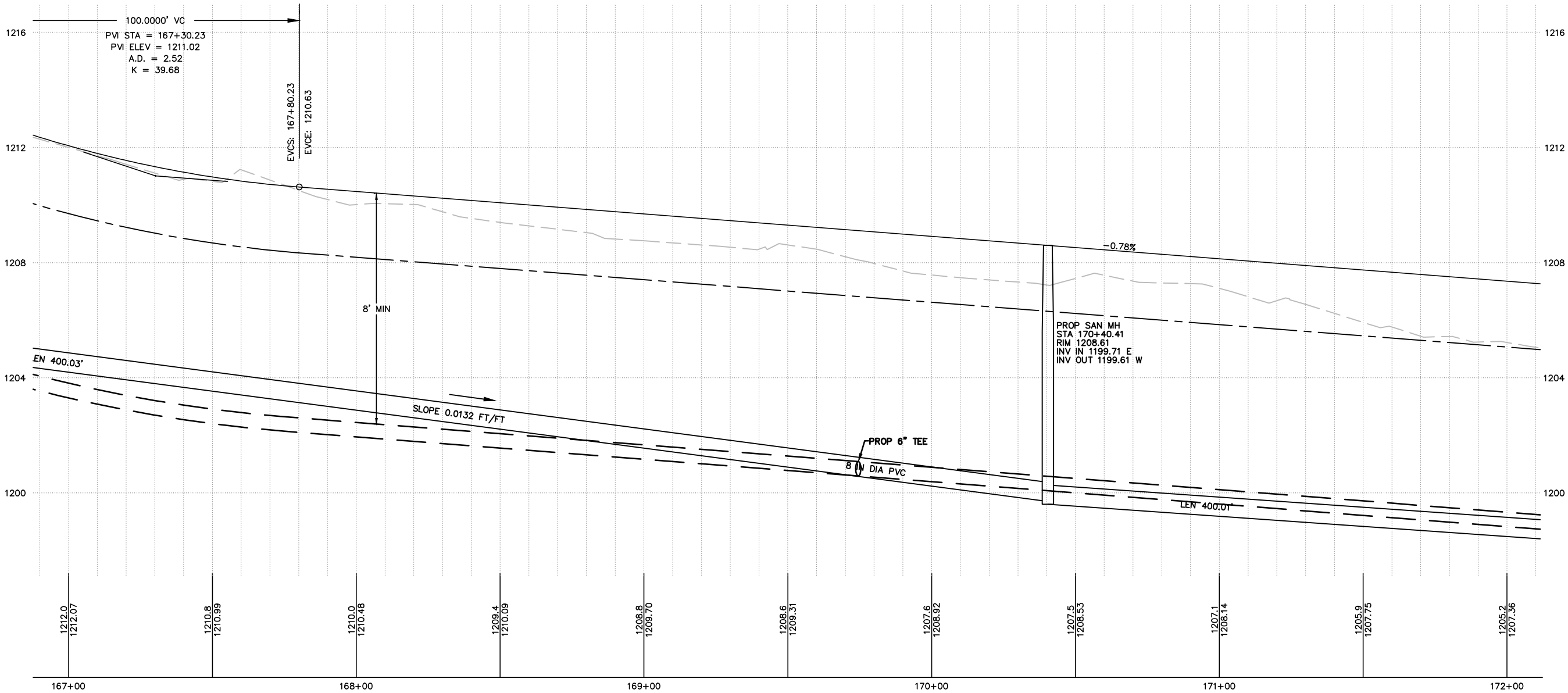
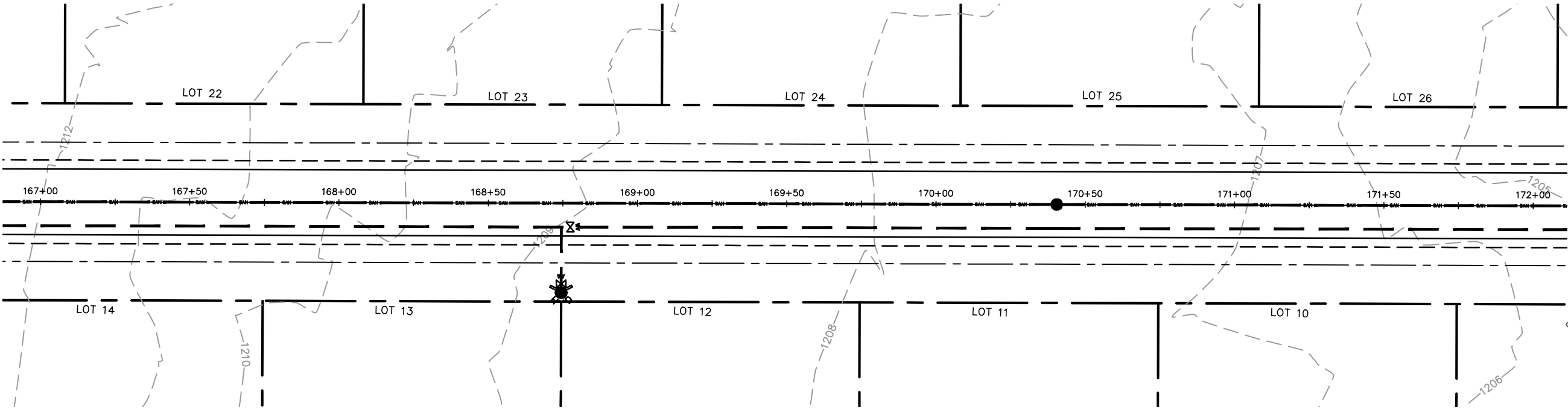
MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53090 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT		REVISION DATE	
NORTH LOOP PLAN & PROFILE GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		SCALE 1" = 40' H 1" = 4' V SHEET NO. 30	
		43	



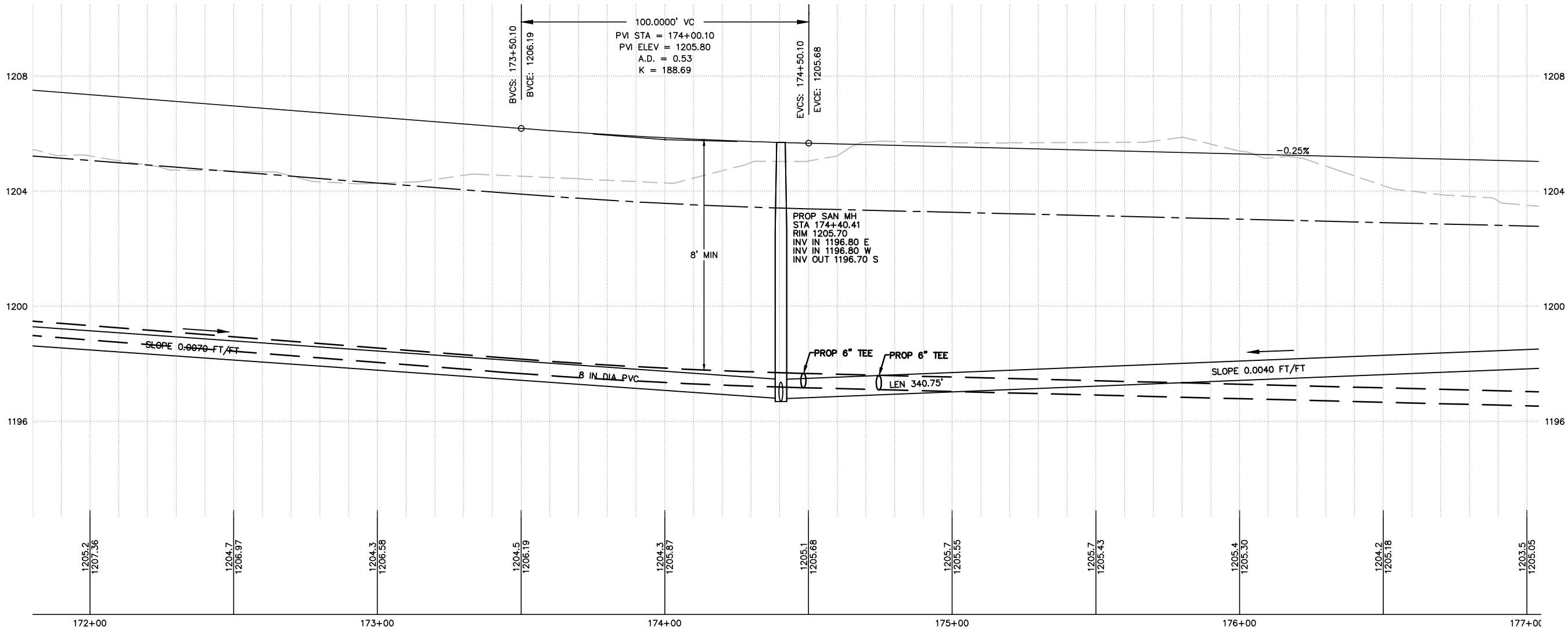
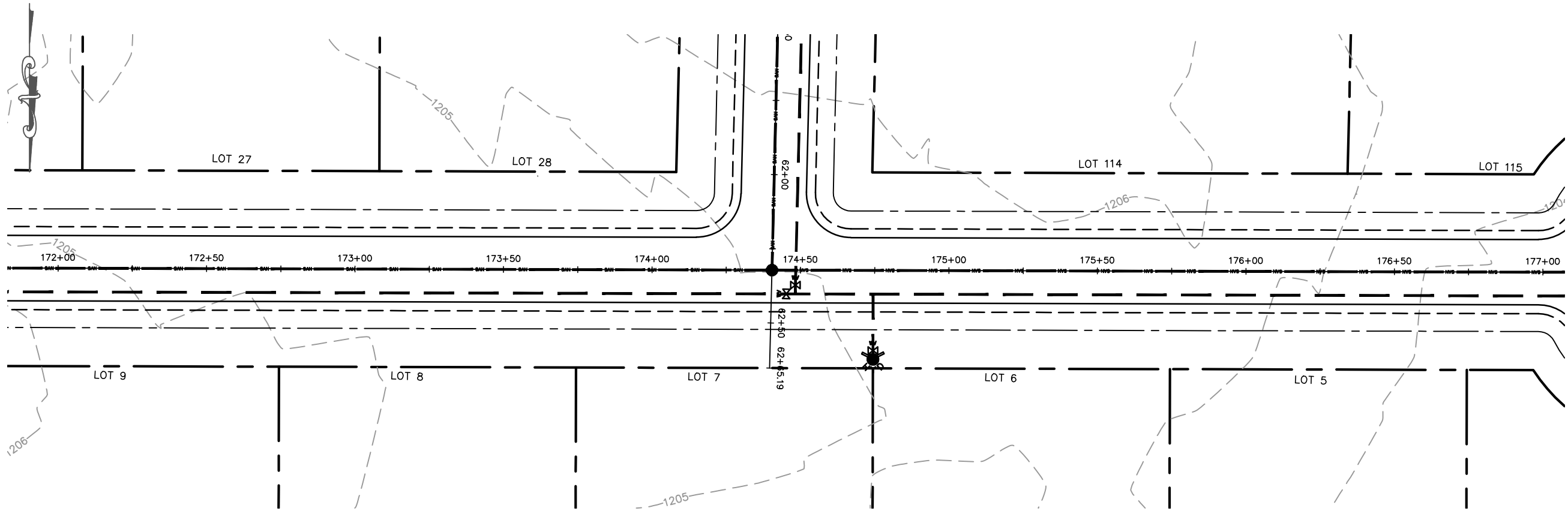
MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53090 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
NORTH LOOP PLAN & PROFILE		GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE		1" = 40' H 1" = 4' V	
SHEET NO.		44	
31			



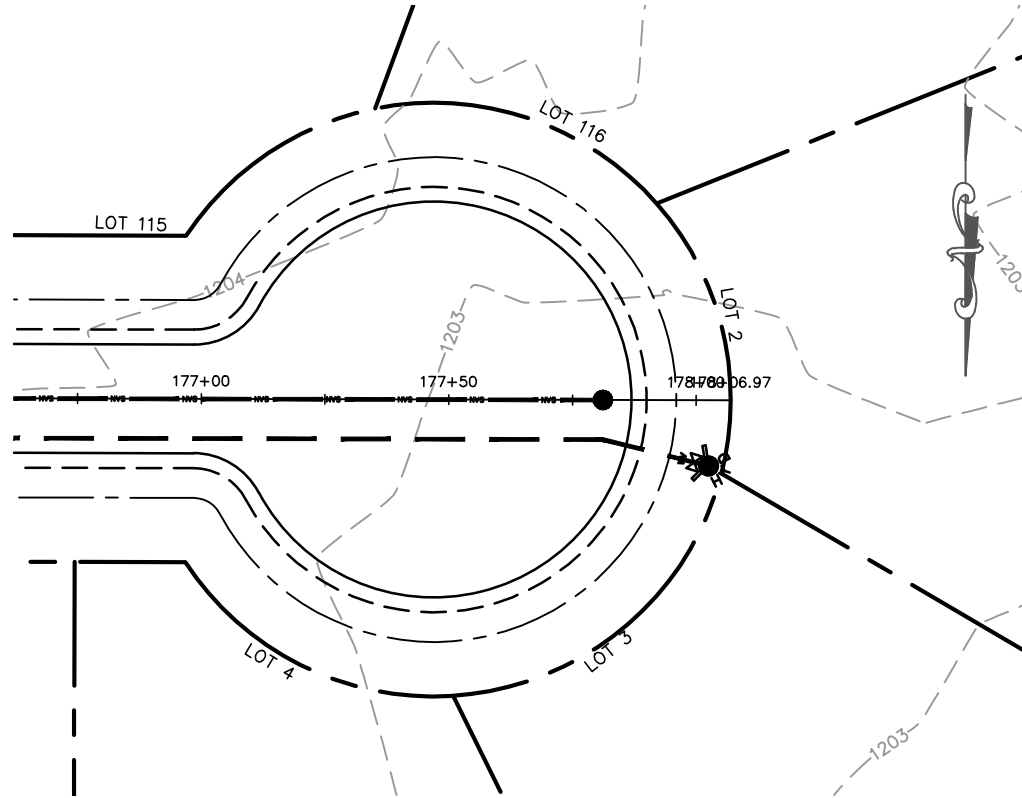
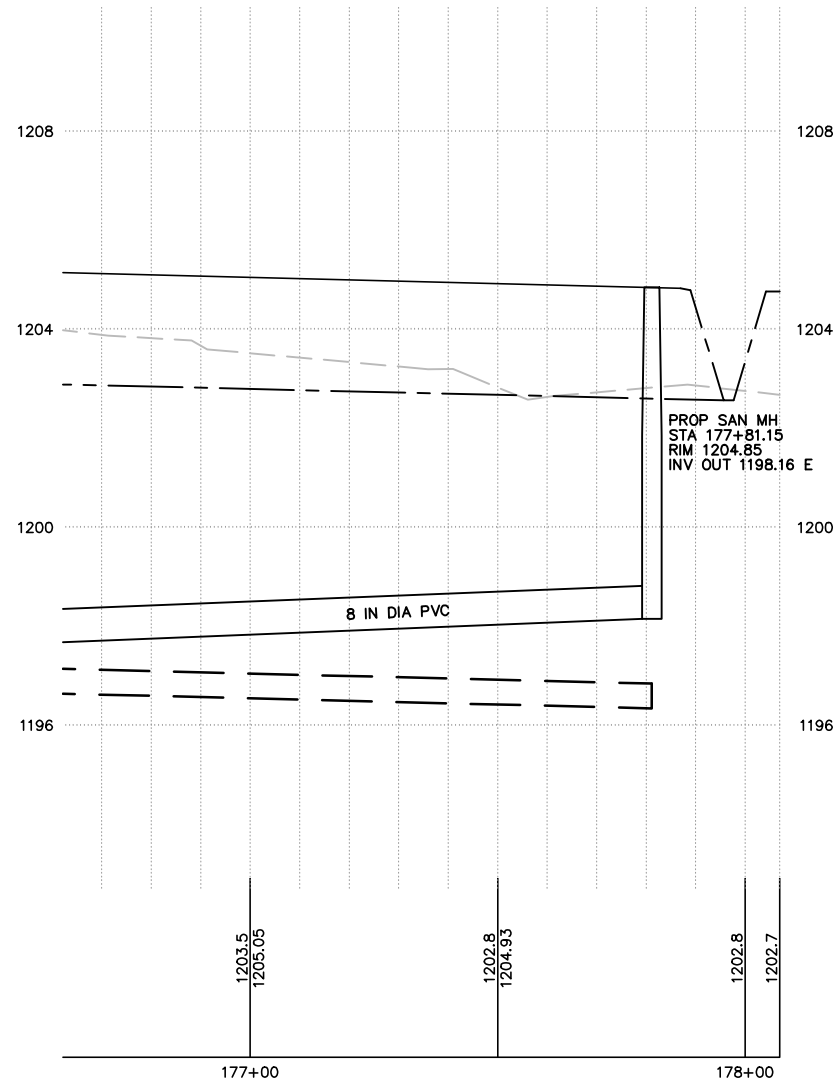
<p>NORTH LOOP PLAN & PROFILE</p> <p>GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY</p>		<p>SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT</p>	<p>REVISION DATE</p>	<p>MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53599 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET</p>	<p>Section 4, Item D.</p>
<p>SCALE</p> <p>1" = 40' H 1" = 4' V</p>					
<p>SHEET NO.</p> <p>32</p>					<p>45</p>



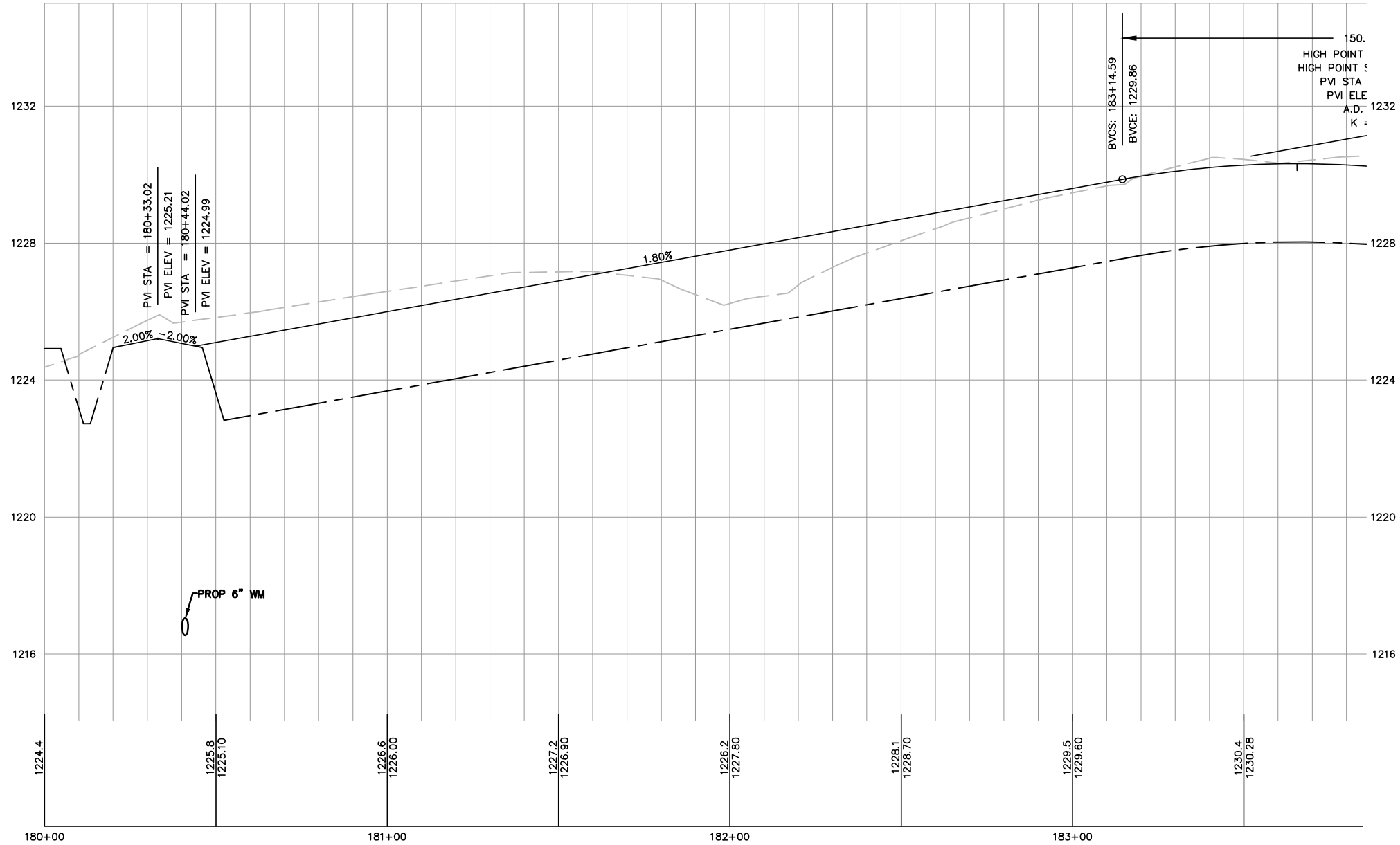
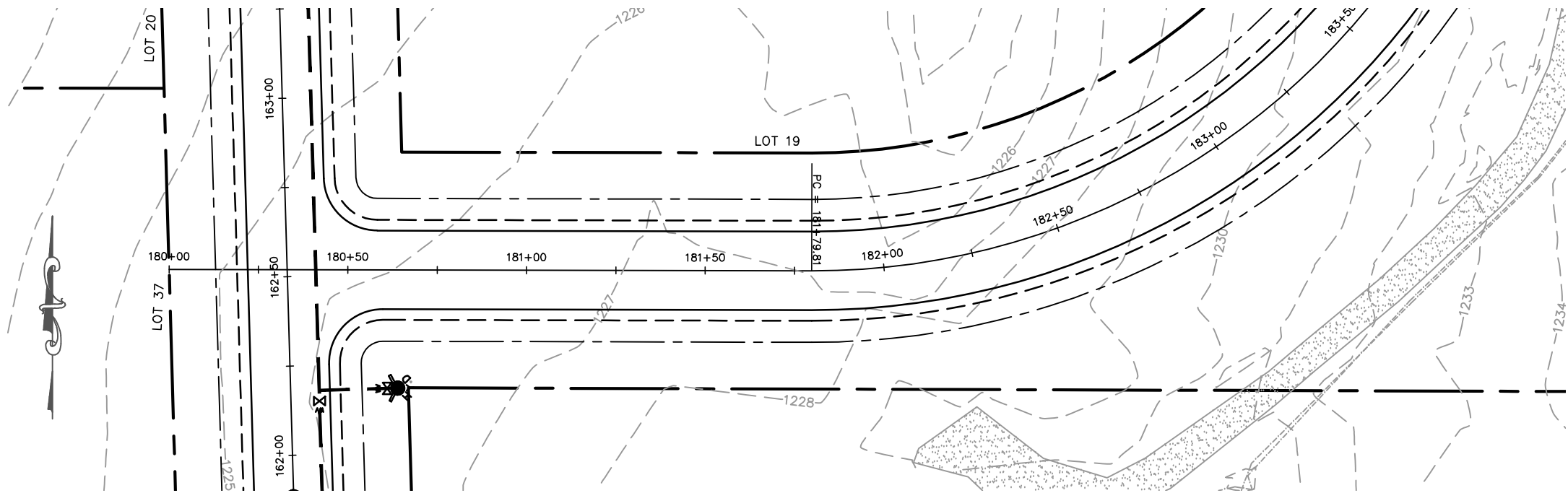
MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53091 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
NORTH LOOP PLAN & PROFILE		GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE		1" = 40' H 1" = 4' V	
SHEET NO.		33	



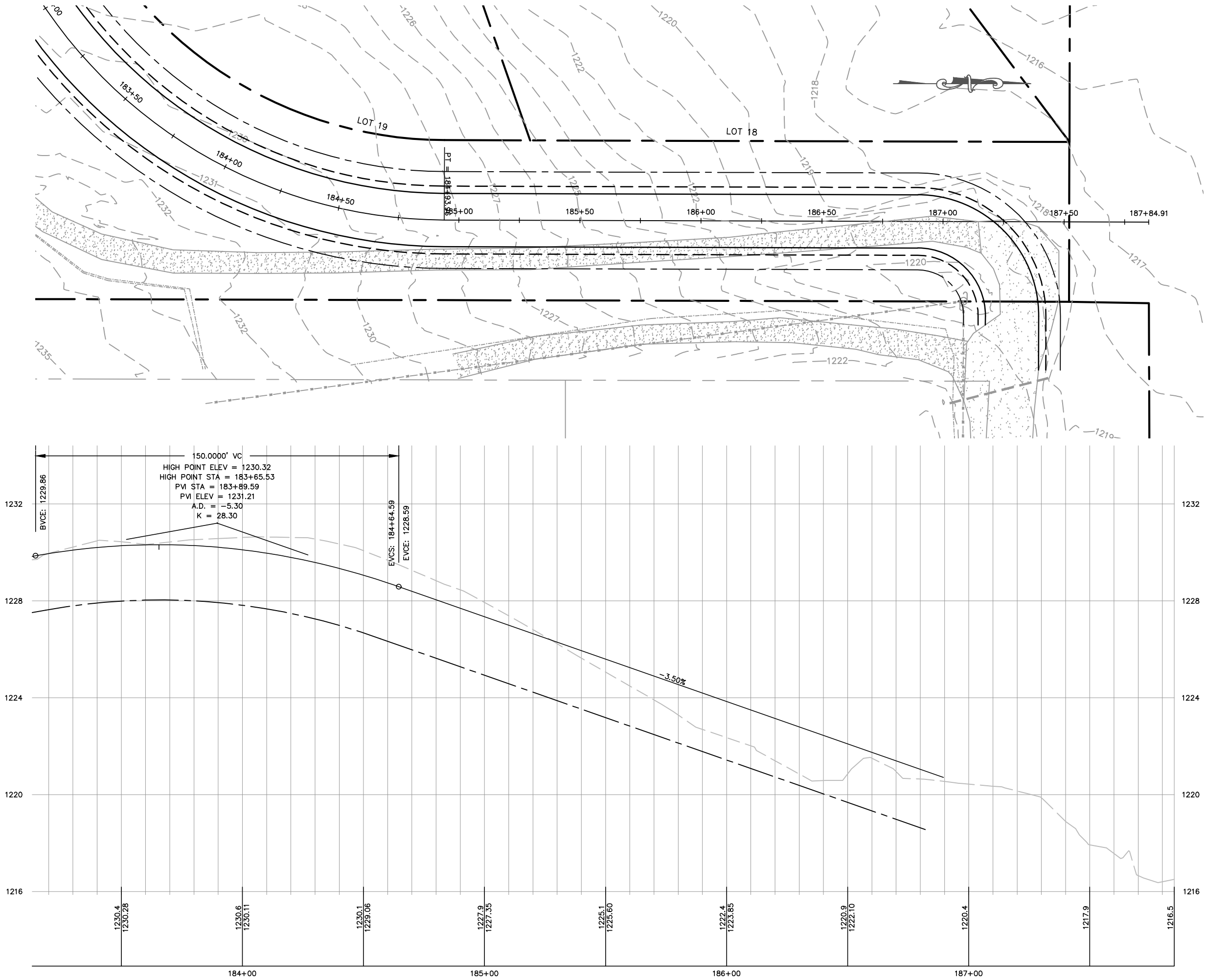
MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 54880 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.
SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	REVISION DATE	
NORTH LOOP PLAN & PROFILE GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		
SCALE 1" = 40' H 1" = 4' V		
SHEET NO. 34		47



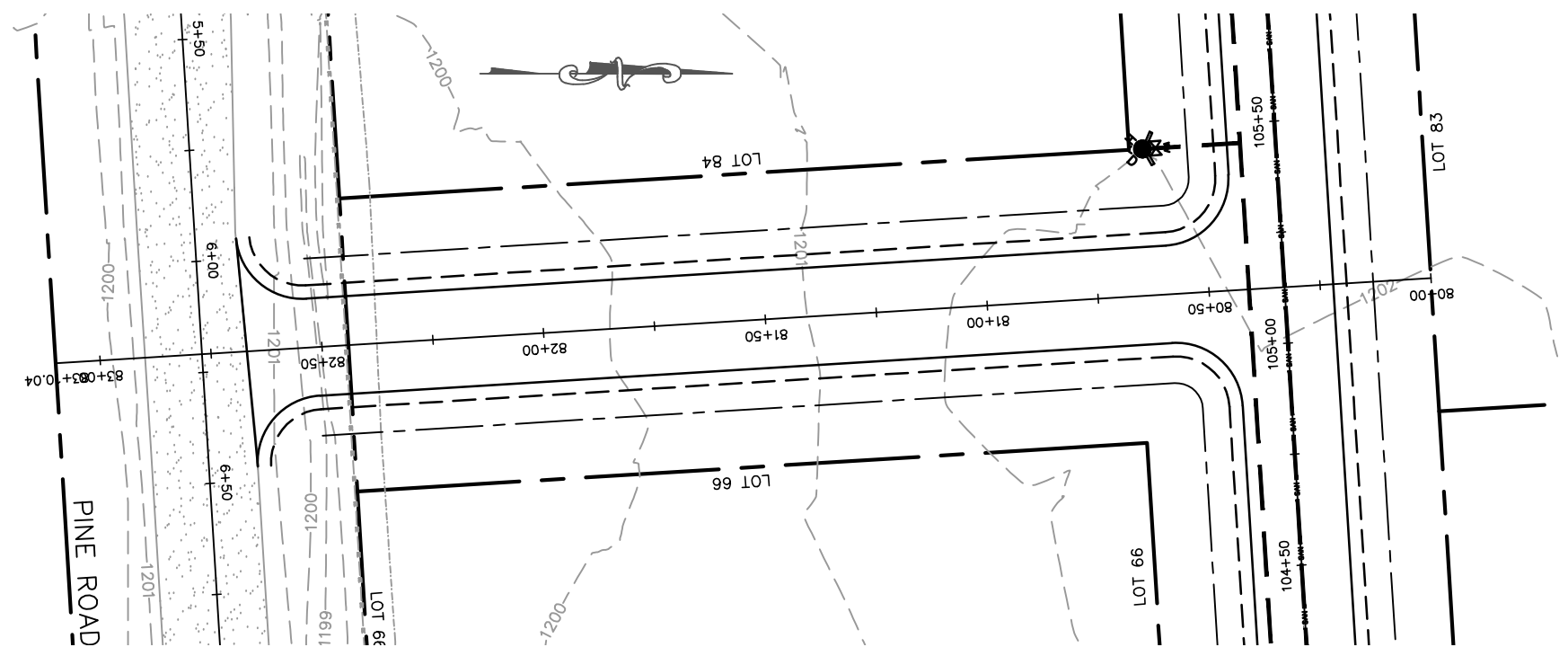
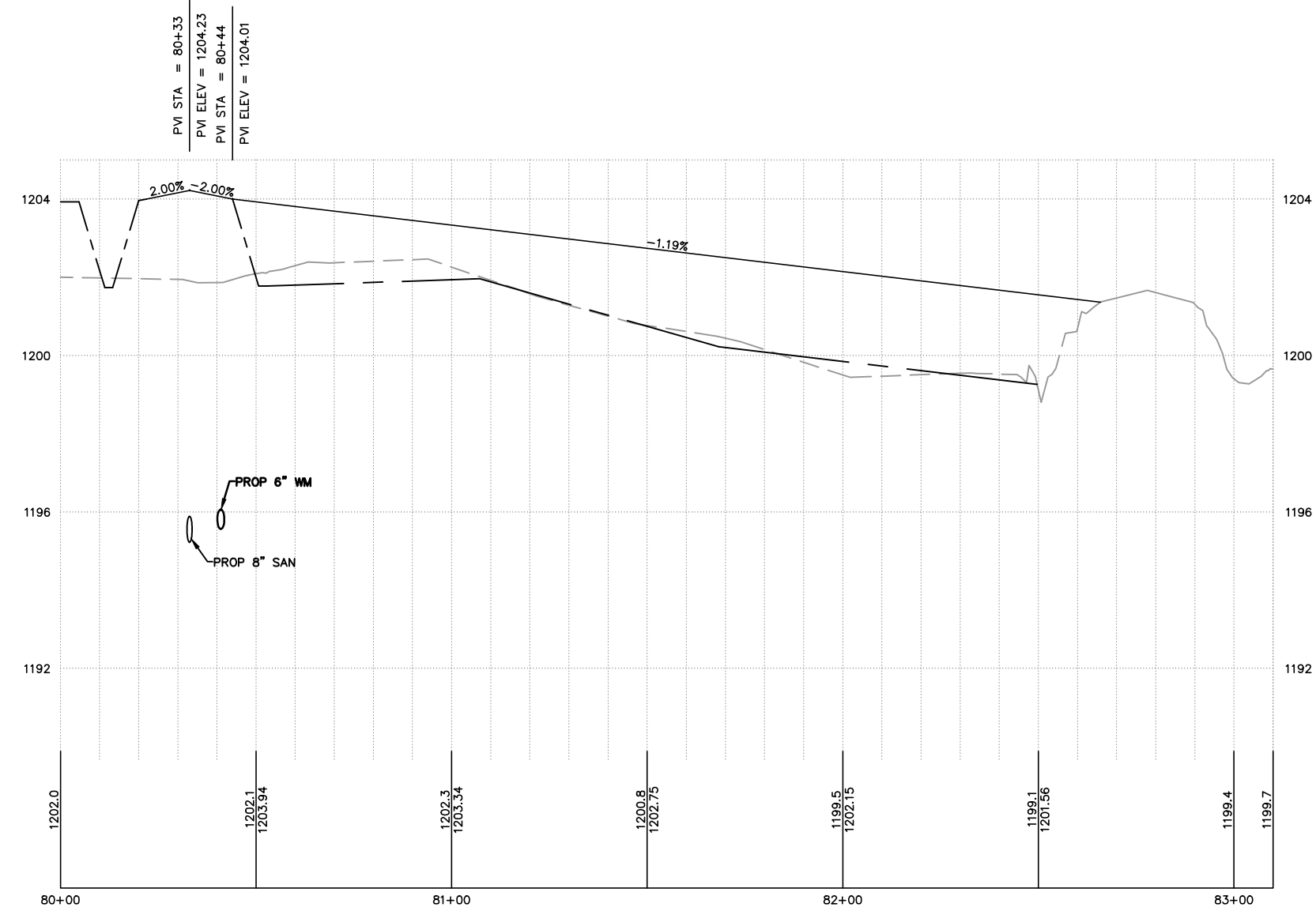
NORTH LOOP PLAN & PROFILE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT		REVISION DATE	MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53091 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET
GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		SCALE		Section 4, Item D.	
		1" = 40' H 1" = 4' V			
		SHEET NO.			
35					



NICK AVE CONNECTOR PLAN & PROFILE		MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53090 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET	
SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT		REVISION DATE	Section 4, Item D.
GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY			
SCALE 1" = 40' H 1" = 4' V			
SHEET NO. 36		49	



MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53599 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		Section 4, Item D.	
REVISION DATE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT	
NICK AVE CONNECTOR PLAN & PROFILE		GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY	
SCALE 1" = 40' H 1" = 4' V		SHEET NO.	
37		50	



CONNECTOR ROAD PLAN & PROFILE		SURVEYED: RIVERSIDE DESIGNED: MTS DRAWN BY: NSB APPROVED: MWT		REVISION DATE
GLACIER MEADOWS SUBDIVISION VILLAGE OF KRONENWETTER, MARATHON COUNTY		MARATHON TECHNICAL SERVICES LLC CONSULTING ENGINEERS 1699 SCHOFIELD AVE - SCHOFIELD, WI 53090 PHONE & FAX - (715)843-7292 WWW.MTSLLC.NET		
SCALE 1" = 40' H 1" = 4' V		SHEET NO. 38		
51		Section 4, Item D.		