

CITY OF SPARTA
PUBLIC WORKS AGENDA
February 6, 2024

CITY HALL

6:00 P.M.

- 1. Call Meeting to Order**
- 2. Consideration of Consent Agenda consisting of: Minutes from the December 5, 2023 Meeting; Director of Public Works Reports for January and February; Water Utility Operation and Maintenance Reports and Waste Water Treatment Plant Reports for December and January; and monthly bills for December and January**
- 3. Consideration of Ordinance Change of Sec. 15-8(b) Accidental Discharge on Assessing Fines**
- 4. Consideration of Polymer Feed System Quotes for the Waste Water Treatment Plant**
- 5. Discussion and Consideration of Depot Street Conditions**
- 6. Consideration of South Pointe Phase 3 Design**
- 7. Items for Future Consideration**
- 8. Adjourn**

A possible Quorum of the Common Council may be in attendance at this meeting; however, no action will be taken by the Council.

Posted: 02/05/2024

CITY OF SPARTA
PUBLIC WORKS MINUTES
December 5, 2023

PRESENT: Kevin Brueggeman, John Gessner, Paul Geier, David Kuderer

ABSENT: Jim Church, Troy Harris, Bryan Jandt

ALSO PRESENT: Mark Van Wormer, Todd Fahning, Dennis Johnson, Ed Hansen

Kevin Brueggeman called the meeting to order at 6:00 p.m.

A motion was made by David Kuderer and seconded by Paul Geier to approve the consent agenda consisting of the minutes of the November 7, 2023 meeting; Director of Public Works Report for December; Water Utility Operation and Maintenance Report for November; Waste Water Treatment Plant Report for November; and monthly bills for November. Motion carried 4-0.

Mark Van Wormer stated they are requesting to write off three uncollectible utility invoices. Todd Hanson stated they were all due to hydrants being struck by vehicles. It is the recommendation of the PSC that they be approved for write off.

A motion was made by David Kuderer and seconded by Paul Geier to approve the write off of three uncollectible invoices in the amount of \$1,203.85. Motion carried 4-0.

The Professional Services Agreement with MSA is for utility and roadway improvements project will consist of an extension of high-pressure water system to serve the proposed Page Development site located between Alpine Drive and Larson Drive. It will create a closed loop from Larson Drive to Faith Avenue to West Main Street. The project also includes the reconstruction of Faith Avenue from West Main Street to West Circle Drive. This will be a TID #10 expenditure.

A motion was made by David Kuderer and seconded by Paul Geier to approve the Professional Services Agreement from MSA for the utility and roadway improvements in the amount of \$76,200. Motion carried 4-0.

The Professional Services Agreement with MSA is for the Idol Avenue water main extension. The project will consist of the expansion of the City's municipal water system to residents located in the Town of Sparta and the Town of Leon who are currently served by a private community well. Due to recent testing and findings, the City intends to provide these property owners with municipal water. There are six (6) parcels affected in this area due to the landfill that existed there. The City had installed temporary filters for those residents and this will be a more permanent solution. The cost of this project will be split 50/50 with Monroe County.

A motion was made by David Kuderer and seconded by Kevin Brueggeman to approve the Professional Services Agreement from MSA for the Idol Avenue water main extension in the amount of \$110,355. Motion carried 4-0.

There were no items for future consideration.

A motion was made by Kevin Brueggeman and seconded by David Kuderer to adjourn at 6:10 p.m. Motion carried 4-0.

Respectfully submitted,
Jennifer Lydon
City Clerk

To: Board of Public Works
From: Mark Van Wormer, Director of Public Works
Date: February 6, 2024
Subject: Public Works January/ February 2024 Report

Airport

Project Updates

John St. Reconstruction

Restoration and seeding will proceed in the spring due to the weather conditions.

South Pointe Phase 3

A preliminary design meeting for expanding the South Pointe Business Park was held with MSA to discuss future road and utility construction. The plan is to excavate the eastern side of the park this winter to create a large parcel for potential development.

Sand Creek Landfill

The WI DNR is investigating the Sand Creek Landfill and is going to be requiring the City and County to add additional monitoring at the site to determine if action at the landfill is required to contain potential contamination. An engineering firm has been selected and Culligan has installed filters designed for the contaminants detected. The landfill area was both County and City so coordinated investigation will be required. We are working on designing a municipal water line to the area to supply water.

Miscellaneous

The Street Department is working on tree removal/ trimming and snow operations. Two grants were submitted for street projects through the State STP-Urban program which utilizes federal infrastructure money. The projects are E. Montgomery and N. Rusk Ave. which are two streets that met the requirements of the grant.

City of Sparta Water Utility
Operation and Maintenance Report
December, 2023

In December we pumped 32,066,000 gallons of water compared to 33,725,000 gallons for the same period last year.

The following is a list of what the Water Utility has been working on during the month of December:

- Completed the monthly bacti samples.
- Completed the monthly fluoride sample.
- Ran standby engines and generators for the monthly tests.
- We have completed our hydrant check list for the month of December.
- We are starting to do some painting at some of our facilities as needed.
- We assisted Gerke Excavating in repairing a water main break near 512 S. Court St. and also a service leak on our side of the service at 511 Garfield Ave. These leaks surfaced within 24 hrs. of each other. They were both repaired the same day. Both of these streets have been on the 5-year rehab plan, as we have had numerous leaks and freeze issues on these two streets.
- Inventory has been taken, and we are beginning to spend some time working on year end data, and getting information assembled for our bookkeeper and the auditors.
- Water Utility staff attended a Western Wisconsin Water Professionals meeting in Tomah. There was training seminars for attendees for credits towards our continuing education.
- We continue daily and weekly water testing, Diggers Hotline ticket locates, residential cross connection inspections, snow removal at our facilities etc.
- We continue to service equipment, motors and pumps as time allows.
- Corrpro completed our annual inspection of the cathodic protection systems at all four towers. At this time, all systems are operating as designed and meet AWWA standards.
- We completed the monthly meter reading route for our large customers.

Todd Hanson
Superintendent
Sparta Water Utility

City of Sparta Water Utility

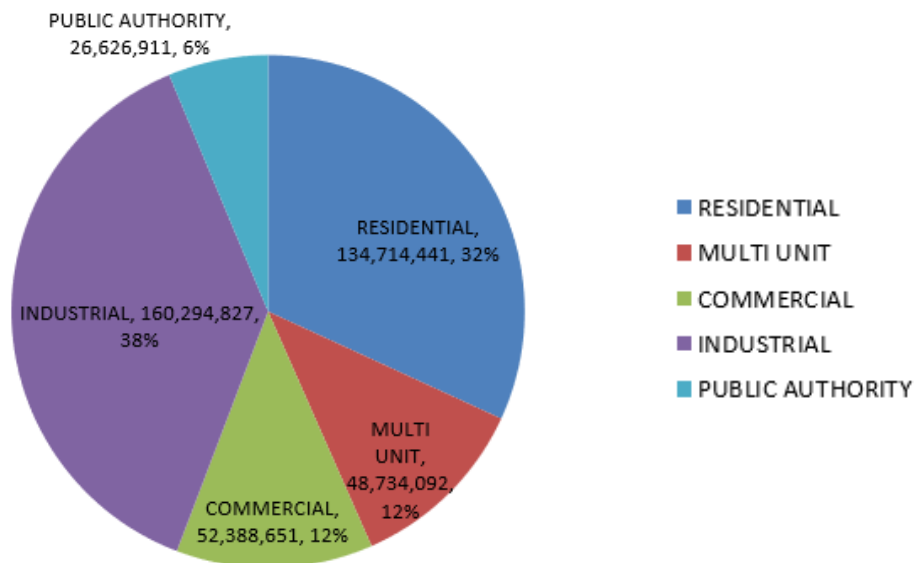
Operation and Maintenance Report – January, 2024

In January we pumped 32,372,000 gallons of water compared to 36,848,000 gallons for the same period in 2023.

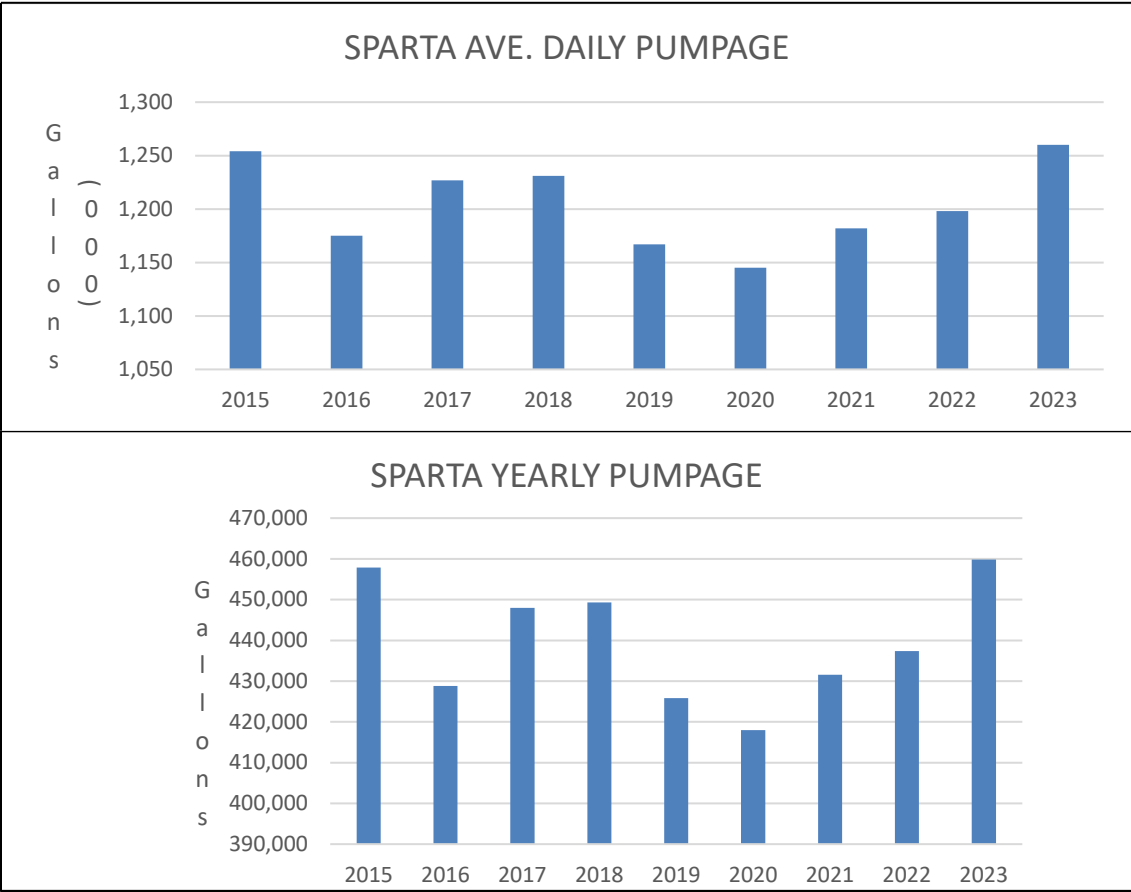
The following is a list of what the Water Utility has been working on during the month of January:

- Completed the monthly bacti samples.
- Completed monthly fluoride sample.
- Completed quarterly raw water samples.
- Completed nitrate sampling at some of our wells, per DNR monitoring requirements.
- Ran standby engines and generators for the monthly tests.
- We have completed the hydrant check list for January.
- Jared has decided to transfer and fill one of the Sanitation Dept. openings. We have begun the job posting process with the hopes of hiring someone by late February or early March.
- We received a chemical delivery from Hawkins at some of our well houses.
- We are servicing well pumps and motors as time allows.
- I am continuing to spend most of my time working on year end data and getting information assembled for our bookkeeper and the auditors.
- Brad Olson Electric has installed additional surge protection at our wells, towers and booster stations. This will help reduce potential damage to our scada system during storms/power outages.
- We added 2425' of 8" water main in 2023 and retired 2425' of 6" water main in 2023. We currently have a total of 367,272 ft. (69.56 miles) of water main ranging in size from 2 to 12 inch in the city.
- We added 44 new water services in 2023 and retired 31. We currently have 3,516 services in the city according to our records.
- We added 6 fire hydrants in 2023 and retired 7. We currently have 554 city owned hydrants. The grand total of hydrants is 643 hydrants, which include private hydrants.
- We exercised 465 main line valves in 2023.
- We assisted Gerke Excavating in repairing a broken water main near 722 E. Montgomery St.
- We continue daily and weekly water testing, Diggers Hotline ticket locates, residential cross connection inspections, snow removal at our facilities etc.
- We completed monthly meter reading route for our large customers.

The pie chart below illustrates water sold for 2023 and shows a breakdown of the usage for each classification of customer.



The bar graphs below indicate the average daily and yearly pumpage the last 9 years.



Todd Hanson
Superintendent
Sparta Water Utility

CITY OF SPARTA
WASTEWATER TREATMENT PLANT
DECEMBER 2023 REPORT

Ed Hansen

WWTP Superintendent

- Completed November DMR report.
- Continue to do routine jetting.
- Continue to work on plant work orders.
- Hydrite came and did more chemical testing for phosphorus removal. We will be switching products probably at end of February once we use up what we have on hand.
- Responded to sewer call at Club 16, was determined to be in lateral which is owners' responsibility.
- Scott Thomas has retired effective December 8th due to medical reasons. Position has been posted and are currently accepting applications.

CITY OF SPARTA
WASTEWATER TREATMENT PLANT
JANUARY 2024 REPORT

Ed Hansen

WWTP Superintendent

- Completed December DMR report.
- Continue to do routine jetting when weather permits.
- Continue to work on plant work orders.
- Jake Brey has been promoted to Lab Manager position replacing Scott Thomas who retired last month.
- Jared Smith will be transferring over to the treatment plant from water department to fill Jakes position once Todd Hanson finds a replacement for him at the water department.
- Brandon Elliott is no longer with us, and an operator position has been posted and are currently accepting applications to fill that vacancy.
- Had some issues at Hoeschler lift station with pump number 3. It was determined to be the soft start relay. Lift station is back to full operation after being down for several days while waiting for part.
- B&M Technical came and repaired processor issues with GBT (Gravity Belt Thickener). Had to replace a card on the processor.

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
135967	12/05/2023	AT & T MOBILITY	600-53650-686	MAINTENANCE OF ME	287298369319X120	77.49	AMI - Water
135978	12/05/2023	Diggers Hotline Inc	600-53650-665	MISC EXPENSES TRA	231 1 55201	71.02	November charges
135979	12/05/2023	Grainger	600-53630-652	MAINT. WATER TREAT	9911780014	98.54	Union check valve
135981	12/05/2023	Hawkins Inc	600-53630-652	MAINT. WATER TREAT	6636607	379.54	Universal, 25PPD Nozzle
135981	12/05/2023	Hawkins Inc	600-53630-641	CHEMICALS	6636876	3,634.56	Chlorine Cyl, hydrofl, sodiu
135986	12/05/2023	LYNX Networks	600-53600-626	MISC EXPENSES PUM	773500 12/23	152.67	Internet - Water
135990	12/05/2023	PleasureLand RV C	600-53600-633	MAINTENANCE OF PU	838810	214.68	Reman alternator
135994	12/05/2023	SPARTA COOPERA	600-53920-933	TRANSPORTATION	5128 11/23	796.04	Gas chgs - Nov, 2023
135997	12/05/2023	The Hardware Store	600-53600-631	MAINT. STRUCTURE &	A453765	13.16	Bolt NKL snap
135997	12/05/2023	The Hardware Store	600-53600-631	MAINT. STRUCTURE &	A453969	1.70	Hardware
135997	12/05/2023	The Hardware Store	600-53600-626	MISC EXPENSES PUM	A455053	24.98	Recharge battery
135997	12/05/2023	The Hardware Store	600-53600-626	MISC EXPENSES PUM	A455184	8.99	Alkaline battery
135997	12/05/2023	The Hardware Store	600-53630-643	MISC EXPENSES WAT	B384646	.99	PVC pressure cap
136000	12/05/2023	We Energies	600-53600-623	FUEL & POWER PURC	0715802928-00002	550.88	GAS - 2050 Riley Rd
136000	12/05/2023	We Energies	600-53600-623	FUEL & POWER PURC	0715802928-00005	525.97	GAS - Stannard Dr
136000	12/05/2023	We Energies	600-53600-623	FUEL & POWER PURC	0715802928-00006	54.79	GAS - Icecap Rd
136000	12/05/2023	We Energies	600-53920-933	TRANSPORTATION	0715802928-00010	44.27	GAS - 1201 N Chester Nth
136000	12/05/2023	We Energies	600-53600-623	FUEL & POWER PURC	0715802928-00011	309.25	GAS - 202 Tower
136003	12/05/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-6161036-8 10/23	610.35	Electric-101 Pumping
136003	12/05/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-6161036-8 10/23	733.85	Electric-103 Pumping
136003	12/05/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-6161036-8 10/23	39.06	Electric-Avon Rd
136003	12/05/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-6161036-8 10/23	2,059.64	Electric-104 Pumping
136003	12/05/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-6161036-8 10/23	1,090.78	Electric-1127 N Chester
136003	12/05/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-6161036-8 10/23	2,464.30	Electric-920 Standard
136036	12/08/2023	CHOICE SECURIT	600-53600-626	MISC EXPENSES PUM	786	1,166.50	Water tower - openeye Net
136048	12/08/2023	Schaitel, Quintin	600-01420	CUSTOMER ACCOUN	3019555	140.96	Refund Jason Jabs pymnt
136053	12/08/2023	WI State Lab of Hyg	600-53630-642	OPERATION LABOR &	761607	28.00	Lab-Fluoride
136077	12/13/2023	E O Johnson Busine	600-53920-921	OFFICE EXPENSES	INV1447061	2,239.33	Contr#CN9050-01
136092	12/13/2023	We Energies	600-53920-933	TRANSPORTATION	0715802928-00017	36.06	GAS-1201 N Chester Sth
136095	12/13/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-8090251-0 11/23	352.83	Electric-1275 Icecap Rd
136095	12/13/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-8327905-4 11/23	4,729.38	Electric-2050 Riley Rd
136095	12/13/2023	XCEL ENERGY	600-53600-623	FUEL & POWER PURC	52-8327905-4 11/23	168.77	Electric-3185 Riley Rd
136112	12/15/2023	JOHN DEERE FINA	600-53600-626	MISC EXPENSES PUM	2538863	19.28	Wrench, bit insert
136112	12/15/2023	JOHN DEERE FINA	600-53650-665	MISC EXPENSES TRA	2550570	71.88	Inverted paint blue
136112	12/15/2023	JOHN DEERE FINA	600-53600-626	MISC EXPENSES PUM	2553871	67.96	Mud flap
136113	12/15/2023	Verizon Wireless	600-53650-665	MISC EXPENSES TRA	9950725508	89.37	PW Tablet 1, Surf table
136409	12/27/2023	Elan Financial Servi	600-53920-923	OUTSIDE SERVICES	1239 12/23	1,026.00	ESRI
136425	12/27/2023	Public Service Com	600-53920-928	REGULATORY COMMI	2306-I-5610	342.08	June, 2023 service-rate ca
136425	12/27/2023	Public Service Com	600-53920-928	REGULATORY COMMI	2307-I-05610	452.54	July, 2023 services - rate c
136425	12/27/2023	Public Service Com	600-53920-928	REGULATORY COMMI	2311-I-05610	1,425.27	November, 2023 - services
136425	12/27/2023	Public Service Com	600-53400-408	TAXES	RA24-I-05610	1,931.07	2023-2024 advance asses
136438	12/29/2023	CLEAN WATER TE	600-53630-642	OPERATION LABOR &	9008209886	210.00	Coliform bacteria test
136439	12/29/2023	Core & Main LP	600-03460	METERS - TRANS & DI	S803271	1,170.00	Omni +2
Grand Totals:						29,624.78	

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
135971	12/05/2023	AT & T MOBILITY	700-53920-391	TELEPHONE	287295170288X120	43.63	Wireless - WWTP Supervis
135971	12/05/2023	AT & T MOBILITY	700-53920-391	TELEPHONE	287295170288X120	33.49	Wireless - WWTP Ipad
135978	12/05/2023	Diggers Hotline Inc	700-53830-930	MISCELLANEOUS GE	231 1 55201	71.01	November charges
135982	12/05/2023	Hydrite Chemical C	700-53820-825	SLUDGE THICKENING	2023000014016	3,284.00	HYDRICLEAR
135984	12/05/2023	KWIK TRIP INC	700-53840-371	GAS/OIL	384132 11/23	163.10	GAS CHGS - November, 2
135986	12/05/2023	LYNXX Networks	700-53860-340	OPERATING SUPPLIE	773500 12/23	100.03	Internet - Sewer
135986	12/05/2023	LYNXX Networks	700-53920-391	TELEPHONE	773500 12/23	22.76	Internet - Sanitation
135991	12/05/2023	Sabel Mechanical L	700-01070	CONSTRUCTION WOR	230808	18,700.00	Remove & install UV syste
135995	12/05/2023	The Hardware Store	700-53870-240	REPAIRS & MAINTENA	B383960	53.13	Coupling push, valve ball
135995	12/05/2023	The Hardware Store	700-53870-240	REPAIRS & MAINTENA	B384010	12.16	Pex adapter, hardware
136000	12/05/2023	We Energies	700-53810-221	HEATING - GAS	0706873540-00001	1,287.64	GAS - Richgruber
136000	12/05/2023	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00008	11.55	GAS - Hoeschler
136000	12/05/2023	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00009	11.55	GAS - Walrath St
136000	12/05/2023	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00014	22.30	GAS - 1821 Julie Ave
136035	12/08/2023	Cedar Corporation	700-01070	CONSTRUCTION WOR	117903	1,340.50	WWTF UV upgrade thru 11
136052	12/08/2023	Tri-State Business	700-53830-340	OPERATING SUPPLIE	587892	411.80	Cartridges Canon 046 H BI
136072	12/13/2023	Brightspeed	700-53860-340	OPERATING SUPPLIE	301277774 12/23	62.94	Telephone-Sewer
136072	12/13/2023	Brightspeed	700-53860-340	OPERATING SUPPLIE	301283737 12/23	28.09	Telephone-Sewage
136077	12/13/2023	E O Johnson Busine	700-53920-310	OFFICE SUPPLIES	INV1447061	2,239.33	Contr#CN9050-01
136092	12/13/2023	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00021	11.55	GAS-1070 Hanson PI
136095	12/13/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-8129801-9 11/23	80.53	Electric-1070 Hanson PI
136095	12/13/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-9873089-3 11/23	44.56	Electric-130 Hemstock
136098	12/15/2023	Brad Olson Electric	700-53870-210	PROFESSIONAL SERV	23-2954	300.00	Pump & blower repairs
136100	12/15/2023	Cattron North Ameri	700-53830-923	OUTSIDE SERVICES	501V23022634	625.00	Subscription-1 yr-Remote s
136109	12/15/2023	Sign Solutions	700-53870-240	REPAIRS & MAINTENA	409616	132.87	Sign
136404	12/27/2023	Brad Olson Electric	700-01070	CONSTRUCTION WOR	23-2972	11,676.38	Install conduit, wiring & con
136409	12/27/2023	Elan Financial Servi	700-53920-310	OFFICE SUPPLIES	1239 12/23	1,026.00	ESRI
136410	12/27/2023	Elan Financial Servi	700-53920-320	PUBLICATIONS/SEMIN	1139 12/23	89.00	Operator expo - Hansen
136410	12/27/2023	Elan Financial Servi	700-53920-320	PUBLICATIONS/SEMIN	1139 12/23	117.00	Kalahari resort
136429	12/27/2023	SPEED'S PROPER	700-53870-240	REPAIRS & MAINTENA	IN-191414	315.78	MTR C046A 1/3 1100
136431	12/27/2023	WESCO HOME FU	700-03910	OFFICE FURNITURE &	0180933	5,818.00	Desk, file drawer, hutch
136433	12/27/2023	Wisconsin DNR	700-53830-930	MISCELLANEOUS GE	38701 12/23	50.00	Cert Exam App - J Brey
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	92.28	Electric-Walrath St
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	27.11	Electric-Jane Dr
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	29.96	Electric-State Hwy 16
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	326.06	Electric-Hoeschler Dr
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	25.84	Electric-A St
136435	12/27/2023	XCEL ENERGY	700-53810-220	ELECTRIC	52-6161035-7 11/23	9,574.10	Electric-Richgruber Rd
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	195.26	Electric-Julie Ave
136435	12/27/2023	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 11/23	108.90	Electric-IBand
136436	12/29/2023	Auto Value Parts St	700-53870-240	REPAIRS & MAINTENA	525148030	6.64	HD oil farm
136436	12/29/2023	Auto Value Parts St	700-53830-274	LUBRICANTS	525148030	43.98	GL 10W30 Rotella
136436	12/29/2023	Auto Value Parts St	700-53830-274	LUBRICANTS	525148031	25.99	GL 10W30 Rotella
136436	12/29/2023	Auto Value Parts St	700-53870-240	REPAIRS & MAINTENA	525148031	8.58	HD OIL construction
136436	12/29/2023	Auto Value Parts St	700-53870-240	REPAIRS & MAINTENA	525148042	3.96	HD OIL FARM
136436	12/29/2023	Auto Value Parts St	700-53870-240	REPAIRS & MAINTENA	525148045	3.96	HD OIL FARM
136436	12/29/2023	Auto Value Parts St	700-53870-340	OPERATING SUPPLIE	525148077	15.99	Floor dry
136440	12/29/2023	Davy Laboratories	700-53830-923	OUTSIDE SERVICES	23L0151	590.35	LAB-copper, hardness nitro
136447	12/29/2023	Hydrite Chemical C	700-53820-824	ALUM SULFATE	2023000017305	5,370.82	HYDRICLEAR
136447	12/29/2023	Hydrite Chemical C	700-53820-824	ALUM SULFATE	2023000017518	6,196.06	HYDRICLEAR
136447	12/29/2023	Hydrite Chemical C	700-53820-825	SLUDGE THICKENING	2023000019050	3,428.38	HYDRICLEAR
136450	12/29/2023	Komline-Sanderson	700-53870-240	REPAIRS & MAINTENA	42058584	569.49	Belt sensor
136456	12/29/2023	MSA PROFESSION	700-53920-210	PROFESSIONAL SERV	000284	80.00	ArcGIS - Asbuilts updates
136460	12/29/2023	Rock River Laborato	700-53830-923	OUTSIDE SERVICES	S57223	108.00	Lab samples #280804
136461	12/29/2023	SHERWIN WILLIAM	700-53870-240	REPAIRS & MAINTENA	2892-8	35.67	Paint Dover white
136468	12/29/2023	Walmart - Capital O	700-53830-930	MISCELLANEOUS GE	01122	11.90	Foam plates & misc
136468	12/29/2023	Walmart - Capital O	700-53830-930	MISCELLANEOUS GE	03804	9.21	PM Cmfrtmte, card
136469	12/29/2023	WI State Lab of Hyg	700-53920-928	REGULATORY COMMI	504710	668.00	SAMPLEs - solids, BOD/C
136470	12/29/2023	William/Reid LTD LL	700-03307	PRIMARY TREATMENT	60612	9,250.00	Sludge Strg Mxng

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
135971	12/05/2023	AT & T MOBILITY	100-53100-391	TELEPHONE	287295170288X120	43.63	Wireless - PW Direc
135971	12/05/2023	AT & T MOBILITY	100-53230-391	TELEPHONE	287295170288X120	38.58	Wireless - Street Su
135971	12/05/2023	AT & T MOBILITY	100-53230-391	TELEPHONE	287295170288X120	33.49	Wireless - Sparta S
135971	12/05/2023	AT & T MOBILITY	100-53230-391	TELEPHONE	287295170288X120	33.49	Wireless - Sparta S
135978	12/05/2023	Diggers Hotline Inc	100-53300-340	OPERATING SUPPLIE	231 1 55201	71.02	November charges
135984	12/05/2023	KWIK TRIP INC	100-53240-371	GAS/OIL	319405 11/23	3,684.92	GAS CHGS - Nove
135986	12/05/2023	LYNXX Networks	100-53230-391	TELEPHONE	773500 12/23	80.86	Internet-Streets
135986	12/05/2023	LYNXX Networks	100-53230-391	TELEPHONE	773500 12/23	155.11	Internet-Streets
135987	12/05/2023	McCabe Constructio	400-54000-732	STREETS - RECONST	2369	1,604.20	Remove concrete dr
135989	12/05/2023	MSA PROFESSION	100-53470-340	OPERATING SUPPLIE	000229	600.00	2023 Paper Mill Da
135994	12/05/2023	SPARTA COOPERA	100-53510-221	HEATING - GAS	23080	357.11	PROPANE
135994	12/05/2023	SPARTA COOPERA	100-53240-371	GAS/OIL	5127 11/23	171.74	Gas chgs - Nov, 202
135996	12/05/2023	The Hardware Store	100-53240-240	REPAIRS & MAINTENA	A453747	10.99	Alkaline battery
135996	12/05/2023	The Hardware Store	100-53240-371	GAS/OIL	A453822	99.00	LP gas
135996	12/05/2023	The Hardware Store	100-53240-240	REPAIRS & MAINTENA	A454617	10.99	Alkaline Cutop batte
135996	12/05/2023	The Hardware Store	100-53240-240	REPAIRS & MAINTENA	A454987	4.59	Lithium button batter
136000	12/05/2023	We Energies	100-53230-221	HEATING - GAS	0715802928-00012	409.78	GAS - 1234 S Water
136003	12/05/2023	XCEL ENERGY	100-53510-220	ELECTRIC	52-0793737-9 10/2	37.02	Electric - 12040 Cty
136051	12/08/2023	The Hardware Store	100-53240-240	REPAIRS & MAINTENA	A455129	22.76	Hardware
136072	12/13/2023	Brightspeed	100-53510-391	TELEPHONE	301280811 12/23	120.12	Telephone-Airport
136079	12/13/2023	ERICKSON, BRADL	100-53320-340	OPERATING SUPPLIE	NOV 2023	105.00	SNOW SHOVELIN
136083	12/13/2023	JFM Hangar Care L	100-53510-340	OPERATING SUPPLIE	9/23/23	2,777.90	Inspection
136087	12/13/2023	MODERN DISPOS	100-53620-000	GARBAGE & REFUSE	125901	6,490.91	Increase, fuel chg, r
136087	12/13/2023	MODERN DISPOS	100-53620-000	GARBAGE & REFUSE	DEC 15 2023	23,681.70	GARBAGE & REFU
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161034-6 11/23	69.11	Electric-107 N Wate
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	11.87	Electric-401 Century
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	62.82	Electric-101 W Fran
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	110.17	Electric-1302 W Wis
136095	12/13/2023	XCEL ENERGY	100-53510-220	ELECTRIC	52-6161038-0 11/23	311.51	Electric-12040 Cty
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	50.87	Electric-601 Alpine
136095	12/13/2023	XCEL ENERGY	100-53230-220	ELECTRIC	52-6161038-0 11/23	243.56	Electric-1234 S Wat
136095	12/13/2023	XCEL ENERGY	100-53510-220	ELECTRIC	52-6161038-0 11/23	69.84	Electric-12040 Cty
136095	12/13/2023	XCEL ENERGY	100-53510-220	ELECTRIC	52-6161038-0 11/23	45.96	Electric-12040 Cty
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	79.96	Electric-1015 S Blac
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	45.17	Electric-803 S Black
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	50.70	Electric-802 W Wisc
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 11/23	8,713.34	Electric-Auto Protect
136095	12/13/2023	XCEL ENERGY	100-53510-220	ELECTRIC	52-6334618-9 11/23	43.53	Electric-12040 Cty
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-8821676-4 11/23	47.37	Electric-208 S Water
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-8821940-5 11/23	494.20	Electric-109 N Wate
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-8821941-6 11/23	46.19	Electric-517 N Wate
136095	12/13/2023	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-9213733-6 11/23	149.81	Electric-116 W Main
136409	12/27/2023	Elan Financial Servi	100-53230-340	OPERATING SUPPLIE	1239 12/23	172.00	ESRI
136409	12/27/2023	Elan Financial Servi	100-53330-340	OPERATING SUPPLIE	1239 12/23	171.00	ESRI
136409	12/27/2023	Elan Financial Servi	100-53440-340	OPERATING SUPPLIE	1239 12/23	171.00	ESRI
136415	12/27/2023	Hagen's Sales & Se	100-53330-340	OPERATING SUPPLIE	56865	7.23	Stihl air filter, spark
136435	12/27/2023	XCEL ENERGY	100-53510-220	ELECTRIC	52-0793737-9 11/23	37.60	Electric-12040 Cty
136436	12/29/2023	Auto Value Parts St	100-53240-240	REPAIRS & MAINTENA	525147572	24.49	Silikoil spray
136436	12/29/2023	Auto Value Parts St	100-53240-240	REPAIRS & MAINTENA	525147593	11.96	31 IN SPDM strap
136436	12/29/2023	Auto Value Parts St	100-53240-240	REPAIRS & MAINTENA	525147829	44.97	Diesel exhaust fluid
136436	12/29/2023	Auto Value Parts St	100-53240-240	REPAIRS & MAINTENA	525147965	14.99	Lamp Flasher-2
136436	12/29/2023	Auto Value Parts St	100-53310-340	OPERATING SUPPLIE	525148316	3.79	Primeguard
136436	12/29/2023	Auto Value Parts St	100-53240-240	REPAIRS & MAINTENA	525148331	11.69	Nitrile foam camper
136441	12/29/2023	Degenhardt Tire Inc	100-53240-240	REPAIRS & MAINTENA	48471	58.00	Tire change & tire di
136441	12/29/2023	Degenhardt Tire Inc	100-53240-240	REPAIRS & MAINTENA	48472	44.00	Tire repair, plug & p
136453	12/29/2023	MISSISSIPPI WELD	100-53240-240	REPAIRS & MAINTENA	1680681	114.00	OXYGEN, acetylene

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
Grand Totals:						52,177.61	

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
136573	01/03/2024	The Hardware Store	700-53870-340	OPERATING SUPPLIE	A456305	2.99	Sanding sponge
136573	01/03/2024	The Hardware Store	700-53880-348	GROUND MAINTENA	B385186	12.47	Recpt duplex comm, box c
136573	01/03/2024	The Hardware Store	700-53870-340	OPERATING SUPPLIE	B385750	20.85	Painter edge, brush, roller
136577	01/03/2024	Civic Systems LLC	700-53920-310	OFFICE SUPPLIES	CVC24244	1,807.00	Semi-annual software supp
136580	01/03/2024	LYNX Networks	700-53920-391	TELEPHONE	773500-1/24	22.76	Internet - Sanitation
136580	01/03/2024	LYNX Networks	700-53860-340	OPERATING SUPPLIE	773500-1/24	99.86	Internet - Sewer
136597	01/10/2024	Belding Tank Techn	700-53870-240	REPAIRS & MAINTENA	25379	372.00	Gasket for 36" diam side m
136600	01/10/2024	Cedar Corporation	700-01070	CONSTRUCTION WOR	118258	185.00	WWTF UV upgrade thru 12
136604	01/10/2024	Countryside Culliga	700-53830-930	MISCELLANEOUS GE	588-00886002-9 12/	67.00	Tank delivery
136608	01/10/2024	Diggers Hotline Inc	700-53830-930	MISCELLANEOUS GE	231 2 55201	36.44	December charges
136610	01/10/2024	EVANS PRINT + M	700-53920-320	PUBLICATIONS/SEMIN	2024CI-5739	160.00	Lab manager ad 12/21 & 1
136617	01/10/2024	KWIK TRIP INC	700-53840-371	GAS/OIL	384132 12/23	235.20	GAS CHGS - Dec, 2023
136629	01/10/2024	We Energies	700-53810-221	HEATING - GAS	0706873540-00001	1,392.14	GAS - Richgruber
136629	01/10/2024	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00008	13.04	GAS - Hoeschler
136629	01/10/2024	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00014	13.04	GAS - 1821 Julie Ave
136632	01/10/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-8129801-9 12/23	90.30	Electric-Hanson PI
136632	01/10/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-9873089-3 12/23	45.00	Electric-130 Hemstock Dr
136633	01/10/2024	AT & T MOBILITY	700-53920-391	TELEPHONE	287295170288X010	43.63	Wireless - WWTP Supervis
136633	01/10/2024	AT & T MOBILITY	700-53920-391	TELEPHONE	287295170288X010	33.49	Wireless - WWTP Ipad
136636	01/10/2024	Brightspeed	700-53860-340	OPERATING SUPPLIE	301277774 1/24	62.94	Telephone-Sewer
136636	01/10/2024	Brightspeed	700-53860-340	OPERATING SUPPLIE	301283737 1/24	28.09	Telephone-Sewage
136852	01/15/2024	E O Johnson Busine	700-53920-310	OFFICE SUPPLIES	INV1461721	2,090.00	MNS Project labor
136852	01/15/2024	E O Johnson Busine	700-53920-310	OFFICE SUPPLIES	INV1463750	2,239.33	Contr#CN9050-01
137064	01/16/2024	Diggers Hotline Inc	700-53830-930	MISCELLANEOUS GE	240155201PP1	623.47	Prepay 2024 - 1st
137065	01/16/2024	E O Johnson Busine	700-53920-310	OFFICE SUPPLIES	INV1463155	475.73	Acrobat Pro DC
137170	01/18/2024	Department of Admi	700-53920-320	PUBLICATIONS/SEMIN	505-0000087267	175.00	Job postings w/media - De
137171	01/18/2024	McCabe Constructio	700-01070	CONSTRUCTION WOR	2023-4	480.42	John St pay request #4
137177	01/18/2024	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00009	11.22	GAS-Walrath St
137177	01/18/2024	We Energies	700-53860-340	OPERATING SUPPLIE	0715802928-00021	11.22	GAS-Hanson PI
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	104.40	Electric-Walrath St
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	29.93	Electric-Jane Dr
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	30.65	Electric-State Hwy 16
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	299.05	Electric-Hoeschler Dr
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	23.74	Electric-417 1/2 A St
137178	01/18/2024	XCEL ENERGY	700-53810-220	ELECTRIC	52-6161035-7 12/23	8,757.70	Electric-Richgruber Rd
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	220.09	Electric-Julie Ave
137178	01/18/2024	XCEL ENERGY	700-53860-340	OPERATING SUPPLIE	52-6161035-7 12/23	97.06	Electric-Iband Ave
137179	01/18/2024	JOHN DEERE FINA	700-53870-340	OPERATING SUPPLIE	2570927	24.98	Cable tie
137180	01/18/2024	MSA PROFESSION	700-53920-210	PROFESSIONAL SERV	000872	533.33	ArcGIS - Asbuilts updates
137180	01/18/2024	MSA PROFESSION	700-53920-210	PROFESSIONAL SERV	872	66.67	ArcGIS - Asbuilts updates
137186	01/18/2024	PER MAR SECURI	700-53830-923	OUTSIDE SERVICES	3240321	107.19	Monitoring/services
137406	01/29/2024	Short Elliott Hendric	700-01070	CONSTRUCTION WOR	459240	363.93	John St reconstruction thru
137413	01/30/2024	Brad Olson Electric	700-53870-210	PROFESSIONAL SERV	24-2993	468.19	Replace thermostate bldg
137428	01/30/2024	WI Emergency Man	700-53830-923	OUTSIDE SERVICES	240510	405.00	Tier II Fee - 1092
137432	01/30/2024	Elan Financial Servi	700-53830-930	MISCELLANEOUS GE	1139 1/24	80.00	PSI testing
137432	01/30/2024	Elan Financial Servi	700-53830-930	MISCELLANEOUS GE	1139 12/23-1	80.00	PSI testing
137436	01/31/2024	Auto Value Parts St	700-53870-240	REPAIRS & MAINTENA	525149462	15.37	Filter
137436	01/31/2024	Auto Value Parts St	700-53830-274	LUBRICANTS	525149462	77.97	Oil 10W30
137445	01/31/2024	Davy Laboratories	700-53830-923	OUTSIDE SERVICES	24A0145	549.65	LAB-copper, hardness nitro
137456	01/31/2024	Hydrite Chemical C	700-53820-824	ALUM SULFATE	2024000000019	5,357.30	HYDRICLEAR
137456	01/31/2024	Hydrite Chemical C	700-53820-825	SLUDGE THICKENING	2024000004363	5,395.83	Hydrifloc
137456	01/31/2024	Hydrite Chemical C	700-53820-824	ALUM SULFATE	2024000006536	5,467.54	HYDRICLEAR
137462	01/31/2024	O'Reilly Auto Parts -	700-53870-240	REPAIRS & MAINTENA	2236-436345	6.49	Spark plug
137466	01/31/2024	SHERWIN WILLIAM	700-53870-240	REPAIRS & MAINTENA	3117-9	35.67	Dover white paint
137466	01/31/2024	SHERWIN WILLIAM	700-53870-240	REPAIRS & MAINTENA	3162-5	35.67	Dover white paint
137473	01/31/2024	USA Blue Book	700-53830-340	OPERATING SUPPLIE	INV00236516	255.82	pipet tips, buffer soln
137473	01/31/2024	USA Blue Book	700-53830-325	SAFETY PROGRAM	INV00249981	95.77	Leather work gloves
137473	01/31/2024	USA Blue Book	700-53830-340	OPERATING SUPPLIE	INV00255881	355.27	Nutrient buffer pillows

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
136565	01/03/2024	All American Sparta-	100-53510-340	OPERATING SUPPLIE	945209	110.89	SO whirly bird turbin
136568	01/03/2024	ERICKSON, BRADL	100-53320-340	OPERATING SUPPLIE	DEC 2023	210.00	SNOW SHOVELIN
136571	01/03/2024	LEIS, DOUGLAS J	100-53300-340	OPERATING SUPPLIE	2023	194.99	CLOTHING ALLOW
136574	01/03/2024	The Hardware Store	100-53240-240	REPAIRS & MAINTENA	A455398	4.99	Epoxy plastic welder
136574	01/03/2024	The Hardware Store	100-53230-340	OPERATING SUPPLIE	A456462	10.68	QT pro toilet bowl cl
136575	01/03/2024	Viking Electric Suppl	100-53300-340	OPERATING SUPPLIE	S007588124.001	19.97	Swivel Mnt photoco
136575	01/03/2024	Viking Electric Suppl	100-53300-340	OPERATING SUPPLIE	S007588124.002	219.84	HPS Mogul 100W E
136580	01/03/2024	LYNXX Networks	100-53230-391	TELEPHONE	773500-1/24	80.69	Internet-Streets
136580	01/03/2024	LYNXX Networks	100-53230-391	TELEPHONE	773500-1/24	155.22	Internet-Streets
136581	01/03/2024	MODERN DISPOS	100-53620-000	GARBAGE & REFUSE	JAN 1 24	23,681.70	GARBAGE & REFU
136607	01/10/2024	DIERCKS, CALEB	100-53300-340	OPERATING SUPPLIE	2023	76.73	Clothing allowance
136608	01/10/2024	Diggers Hotline Inc	100-53300-340	OPERATING SUPPLIE	231 2 55201	36.43	December charges
136616	01/10/2024	KIRCHHOFF, RAYM	100-53300-340	OPERATING SUPPLIE	2023	227.87	CLOTHING ALLOW
136617	01/10/2024	KWIK TRIP INC	100-53240-371	GAS/OIL	319405 12/23	2,270.25	GAS CHGS - Dec, 2
136620	01/10/2024	Monroe County Cor	400-54000-732	STREETS - RECONST	2023	3,060.00	Sand Creek landfill r
136623	01/10/2024	SPARTA COOPERA	100-53240-371	GAS/OIL	5127 12/23	249.19	Gas chgs - Dec, 202
136625	01/10/2024	Traffic and Parking	100-53300-340	OPERATING SUPPLIE	I769649	65.56	Cabinet filter
136629	01/10/2024	We Energies	100-53230-221	HEATING - GAS	0715802928-00012	577.80	GAS - 1234 S Water
136632	01/10/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-8821676-4 12/23	53.44	Electric-208 S Water
136632	01/10/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-9213733-6 12/23	84.67	Electric-116 W Main
136633	01/10/2024	AT & T MOBILITY	100-53100-391	TELEPHONE	287295170288X010	43.63	Wireless - PW Direc
136633	01/10/2024	AT & T MOBILITY	100-53230-391	TELEPHONE	287295170288X010	38.58	Wireless - Street Su
136633	01/10/2024	AT & T MOBILITY	100-53230-391	TELEPHONE	287295170288X010	33.49	Wireless - Sparta S
136633	01/10/2024	AT & T MOBILITY	100-53230-391	TELEPHONE	287295170288X010	33.49	Wireless - Sparta S
136636	01/10/2024	Brightspeed	100-53510-391	TELEPHONE	301280811 1/24	120.12	Telephone-Airport
136642	01/10/2024	MODERN DISPOS	100-53620-000	GARBAGE & REFUSE	JAN 15	23,681.70	GARBAGE & REFU
136845	01/15/2024	Viking Electric Suppl	100-53300-340	OPERATING SUPPLIE	S007274876.001	1,323.81	Cree - Roadway ligh
136848	01/15/2024	XCEL ENERGY	100-53510-220	ELECTRIC	52-6334618-9 12/23	63.51	Electric-122040 Cty
136848	01/15/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-8821940-5 12/23	588.38	Electric-109 N Wate
136848	01/15/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-8821941-6 12/23	48.26	ELECTRIC-517 N W
136855	01/15/2024	GUNDERSEN HEA	100-53100-325	SAFETY PROGRAM	400000000485 1/24	120.00	PR Annual Drug/alc
137064	01/16/2024	Diggers Hotline Inc	100-53300-340	OPERATING SUPPLIE	240155201PP1	623.46	Prepay 2024 - 1st
137171	01/18/2024	McCabe Constructio	400-54000-731	STREETS - REPAIRS	2023-4	421,603.62	John St pay request
137173	01/18/2024	MODERN DISPOS	100-53620-000	GARBAGE & REFUSE	127029	4,379.13	Yr 2 - monthly rate i
137174	01/18/2024	MONROE COUNTY	400-54000-732	STREETS - RECONST	1-53331 12/23	294.00	Main Super
137174	01/18/2024	MONROE COUNTY	100-53320-340	OPERATING SUPPLIE	1-53331 12/23	2,233.97	SAND SALT MIX
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161034-6 12/23	118.18	ELECTRIC-107 N W
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	11.87	Electric-401 Century
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	68.30	Electric-101 W Fran
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	124.08	Electric-1302 W Wis
137178	01/18/2024	XCEL ENERGY	100-53510-220	ELECTRIC	52-6161038-0 12/23	308.00	Electric-12040 Cty
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	55.78	Electric-601 Alpine
137178	01/18/2024	XCEL ENERGY	100-53230-220	ELECTRIC	52-6161038-0 12/23	265.39	Electric-1234 S Wat
137178	01/18/2024	XCEL ENERGY	100-53510-220	ELECTRIC	52-6161038-0 12/23	71.11	Electric-12040 Cty
137178	01/18/2024	XCEL ENERGY	100-53510-220	ELECTRIC	52-6161038-0 12/23	46.37	Electric-12040 Cty
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	80.79	Electric-1015 S Blac
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	47.81	Electric-803 S Black
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	55.06	Electric-802 W Wisc
137178	01/18/2024	XCEL ENERGY	100-53420-000	STREETE LIGHTING	52-6161038-0 12/23	8,643.89	Electric-Auto protect
137179	01/18/2024	JOHN DEERE FINA	100-53330-340	OPERATING SUPPLIE	2562028	85.00	Helment, replac spo
137179	01/18/2024	JOHN DEERE FINA	100-53300-340	OPERATING SUPPLIE	2562306	35.98	Lumen bulb
137400	01/29/2024	Altec Industries Inc	100-53240-240	REPAIRS & MAINTENA	11986839	20.27	Fuel bracket
137403	01/29/2024	KIRCHHOFF, RAYM	100-53300-340	OPERATING SUPPLIE	2023-3	12.96	CLOTHING ALLOW
137406	01/29/2024	Short Elliott Hendric	400-54000-732	STREETS - RECONST	459240	363.94	John St reconstructi
137409	01/29/2024	XCEL ENERGY	100-53510-220	ELECTRIC	52-0793737-9 12/23	38.20	Electric-12040 Cty
137431	01/30/2024	Coulee Refrigeratio	100-53510-221	HEATING - GAS	40976	885.32	Heater in Hanger -
137431	01/30/2024	Coulee Refrigeratio	100-53510-221	HEATING - GAS	41137	874.44	Heater in Hanger -

Check Number	Check Issue Date	Vendor Name	Invoice GL Account	Invoice GL Account Title	Invoice Number	Amount	Description
137433	01/31/2024	Halron Lubricants In	100-53240-240	REPAIRS & MAINTENA	1476846-00	143.55	Gadus shell
137433	01/31/2024	Halron Lubricants In	100-53240-240	REPAIRS & MAINTENA	1479486-00	387.73	Grease
137438	01/31/2024	BROOKS TRACTO	100-53240-240	REPAIRS & MAINTENA	J09662	455.89	Truck hose
137438	01/31/2024	BROOKS TRACTO	100-53240-240	REPAIRS & MAINTENA	J09713	76.84	Skid steer hose
137453	01/31/2024	Hagen's Sales & Se	100-53330-340	OPERATING SUPPLIE	56939	191.95	Repair MS 201TC c
137455	01/31/2024	HILCO ROAD SUP	100-53240-240	REPAIRS & MAINTENA	3238	4,570.80	PLOW BLADE, grad
137460	01/31/2024	MODERN DISPOS	100-53620-000	GARBAGE & REFUSE	FEB 1 24	23,681.70	GARBAGE & REFU
137465	01/31/2024	Schilling Supply Co	100-53230-340	OPERATING SUPPLIE	949061-00	189.37	Roll towel brown tor
137470	01/31/2024	TITAN MACHINERY	100-53240-371	GAS/OIL	19160441 GP	245.00	Fluid
137474	01/31/2024	Viking Electric Suppl	100-53300-340	OPERATING SUPPLIE	S007665123.001	203.28	LED button, Stem m
Grand Totals:						528,978.91	

Report Criteria:
Include transaction count
Journal Code.Journal code = "CDJE"
Account.Account number = "700"

Date	Reference Number	Payee or Description	Account Number	Account Title	Debit Amount	Credit Amount
01/17/2024	18	to record amazon pamt	700-53870-240	REPAIRS & MAINTENANCE	57.90	
Total 124:					57.90	.00
*** Journal is out of balance: \$57.90 ***						
Grand Totals:					57.90	.00

Report Criteria:
Include transaction count
Journal Code.Journal code = "CDJE"
Account.Account number = "700"

Date	Reference Number	Payee or Description	Account Number	Account Title	Debit Amount	Credit Amount
01/17/2024	21	to record amazon pamt	100-53230-340	OPERATING SUPPLIES	37.10	
01/17/2024	22	to record amazon pamt	100-53230-340	OPERATING SUPPLIES	40.95	
Total 124:					78.05	.00
*** Journal is out of balance: \$78.05 ***						
Grand Totals:					78.05	.00

Sec. 15-8. - Violations and penalties.

(a) Written notice of violation. Any person found to be violating any provision of this article shall be served by the city with a written notice stating the nature of the violation and providing a reasonable time for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

(b) Accidental discharge. Any person found to be responsible for accidentally allowing a prohibited discharge or a discharge in excess of the limitations and restrictions as defined in [section 15-2\(d\)](#) to the sewer system which causes damage to the treatment facility or receiving body of water shall, in addition to a fine, pay the amount to cover damage, both values to be established by the approving authority. Any accidental wastewater discharges which violate [section 15-2\(d\)](#) shall be reported immediately upon discharge. The city shall address any potential fines within ~~15 days~~ 60 days after the end of the month in which the violation is reported or detected, whichever is later.



B & M TECHNICAL SERVICE, INC.

PO Box 48 | 364 Industrial Drive Coloma, WI 54930

Office 715-228-7604 | Fax 715-228-3418

bmtechservice.com

Date: 1/2/2024

Quote Number: 20241009

B&M Contact: Jesse Claflin

Email: jesse@bmtechservice.com

Direct: 608-457-7003

To: Sparta WWTP

Attn: Ed Hansen

Re: Sludge Belt Press Polymer Feeder System

We are pleased to provide the following base bid:

Qty.	Description:	Net Each	Net Extension
Polymer Feeder System			
1	6PSevo-1200 Polymer Feed System <i>** See attached for feeder system details</i>	\$ 14,964.00	\$ 14,964.00
Polmer Feeder SystemTotal			\$ 14,964.00

OPTIONAL ADDERS

Option #1: Extended Leg Kit

1	Extended Leg Kit <i>A kit to extend the legs to 16", is available. The longer legs improve access to the controls. Eliminate the need for a separate pad or base.</i>	\$ 1,039.00	\$ 1,039.00
Option #1: Extended Leg Kit Total			\$ 1,039.00

Option #2: Spare Polymer Pump-Head Assembly

1	Polymer Pump-Head Assembly - A spare polymer pump-head assembly, with integral tube.	\$ 745.00	\$ 745.00
Option #2: Spare Head Assembly Total			\$ 745.00

Estimated Delivery:	22-24 Weeks	Installation/Start-up:	Not Incl.	
Installation Manuals:	Incl.	Service Contract:	Not Incl.	
Operation Manuals:	Incl.	Downpayment Due:	50%	
Sales Tax:	Not Incl.	Payment Terms:	Net 30	
Estimated Freight:	Not Incl.	Quote Expiration:	30 Days	

Additions or deductions to base bid:

Exceptions and Special Notes:

Clarification Notes: Required utilities: Water pressure; 30 to 60 psi. Pressure must be at least 30 psi higher than the solution injection point pressure. Electrical power; 120 VAC, 5 amps.

Unless otherwise noted any other equipment/services is not included and to be supplied by others.

For projects totaling more than \$10,000, 50% downpayment is required upon quote acceptance. Parts cannot be ordered prior to receiving downpayment.

To accept quote, please sign below and return to B&M Technical Service, Inc.

Quoted by _____
Regina Weyenberg, Assistant Project Coordinator
regina@bmtechservice.com
Direct: 715-228-7604

Accepted by _____
Sparta WWTP

This information provided is confidential and proprietary to B&M Technical Service and is intended solely for the recipient listed above. Do not duplicate or distribute.



WILLIAM/REID

A Division of Gasvoda & Associates, Inc.

Date: January 17, 2024

Quotation valid until: March 17, 2024

Prepared for: Ed Hansen WWTP Superintendent
City of Sparta
Office 608-269-6824 Cell 608-540-9377
Email: wwtp@spartawisconsin.org

Prepared by: **Brandon Mancilla**

Quotation Number: 011724 BJM

Project Reference: Polymer Makedown

We are pleased to offer the following quotation for your consideration:

Quantity	Description	Unit Price
1	ProMix S SG 300X2-3.00TA System staged motorized mixing chamber, peristaltic neat polymer metering pump, primary and post-dilution rotameters with control valves, dilution solenoid valve, control panel and polypropylene base. System Connections: Water Inlet: 3/4" FNPT Pump Inlet: 1/2" FNPT Solution Discharge: 3/4" FNPT Primary Dilution: 300 gph Post Dilution: 300 gph Pump Capacity: 3.60 gph System Voltage: 120/1/60	
Total Price		\$14,742.40

TERMS: See attached sheet for detailed terms and conditions.

FREIGHT: F.O.B. Shipping Point, with Freight Allowed to the Jobsite.

START-UP: 1 day(s) of start up services are included. Any additional will be billed at our standard rate.

TAXES: ALL applicable taxes must be added. If exempt, please provide an exemption certificate with order.

SUBMITTALS: N/A weeks after receipt of order.

DELIVERY: 8 to 10 weeks after approval and authorization to proceed.

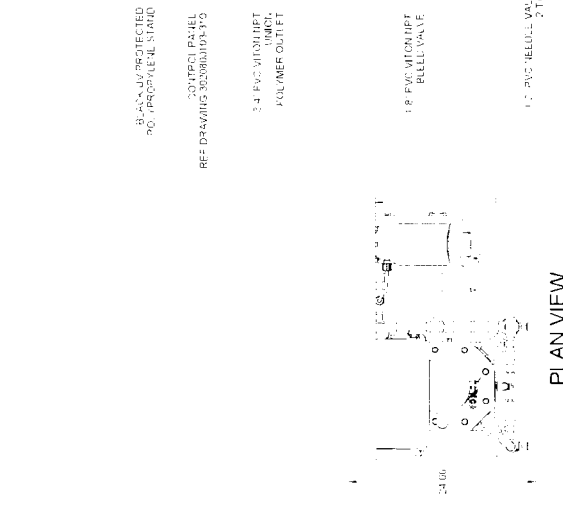
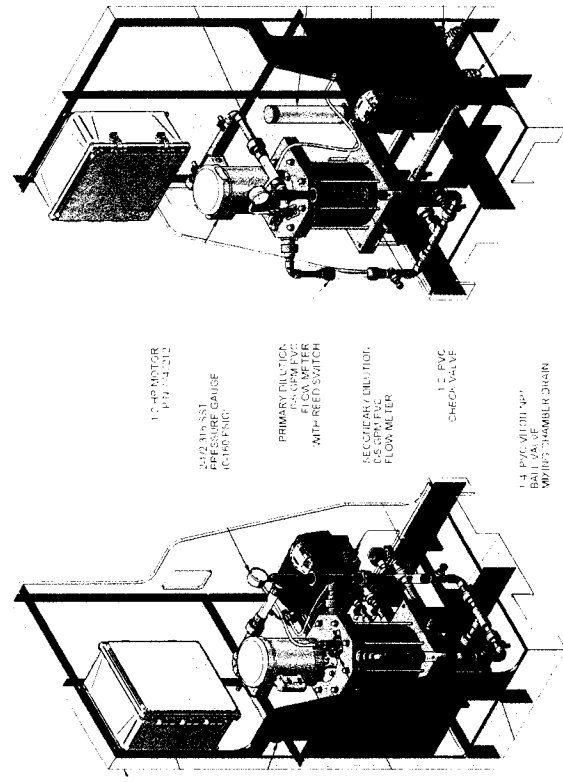
DURATION: After 30 days, we reserve the right to review, amend, or withdrawal this proposal.

Respectfully submitted,
Brandon Mancilla

Orders should be sent to: sales@williamreidltd.com

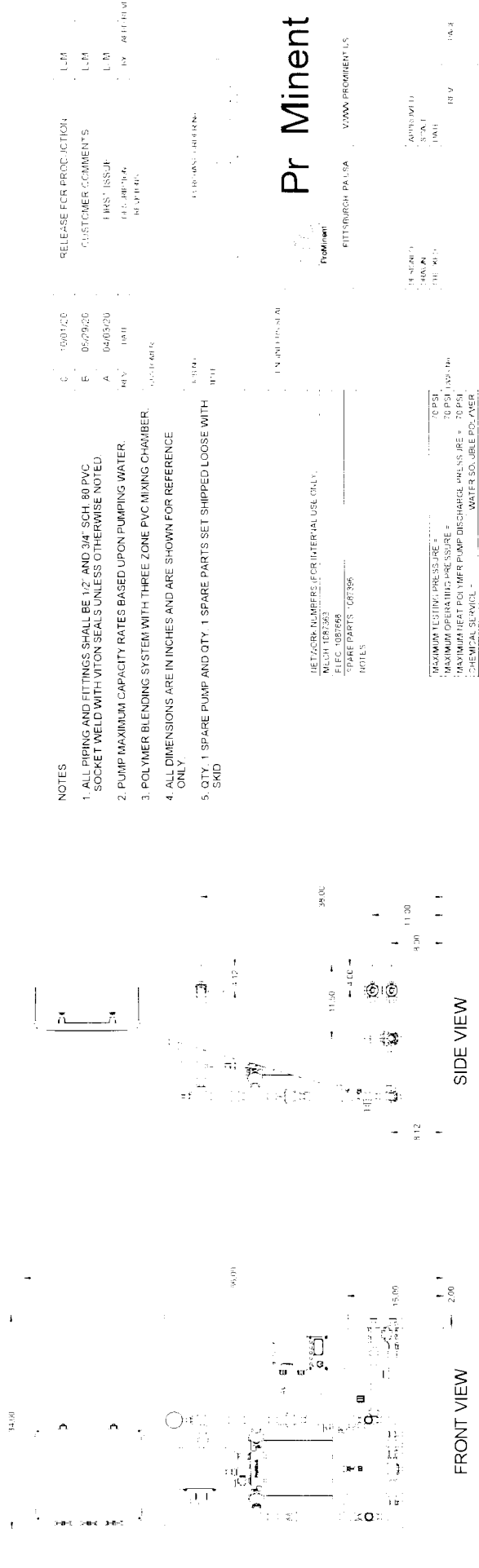
www.williamreidltd.com

PIPING SCHEMATIC



RIGHT ISOMETRIC VIEW

LEFT ISOMETRIC VIEW

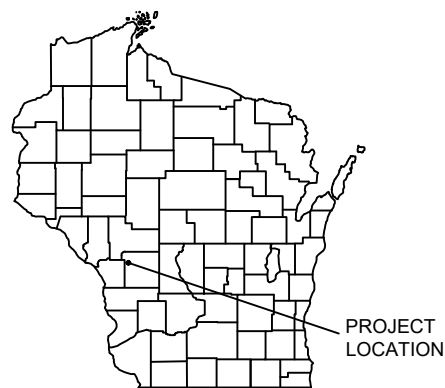


SOUTH POINTE BUSINESS PARK

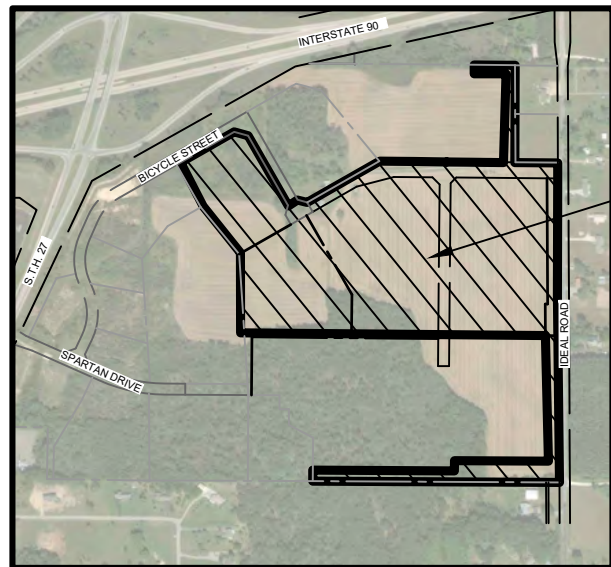
PHASE 3

CITY OF SPARTA

MONROE, WISCONSIN



PROJECT
LOCATION



PROJECT LOCATION

LOCATION MAP

NOT TO SCALE

SHEET INDEX

G - GENERAL SHEETS

G 1	TITLE SHEET
G 2	PLAN & PROFILE SHEET INDEX
G 3	BENCHMARK AND CONTROL POINT INDEX
G 4-5	TYPICAL SECTIONS
G 6	STORM SEWER DETAILS
G 7	WATER MAIN DETAILS (BID ALTERNATE A)
G 8	SANITARY SEWER DETAILS (BID ALTERNATE A)

EC - EROSION CONTROL PLANS

EC 1-2	EROSION CONTROL PLANS
EC 3-4	EROSION CONTROL DETAILS

R - REMOVALS

R 1	REMOVALS PLAN
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SP - SITE PLAN SHEETS

SP 1	OVERALL SITE PLAN
SP 2	LOT 1 GRADING PLAN
SP 3	LOT 2 GRADING PLAN
SP 4	LOT 3 GRADING PLAN
SP 5	FUTURE ROADWAY GRADING PLAN

PP - PLAN & PROFILE SHEETS

PP 1-10	EAST BYPASS SWALE PLAN & PROFILE
PP 11-13	BID ALTERNATE A PLAN & PROFILE (SANITARY AND WATERMAIN)

LEGEND

	EXISTING WATER MAIN
	EXISTING WATER MAIN, VALVE & HYDRANT
	EXISTING WATER SERVICE & CURB STOP
	PROPOSED WATER MAIN, VALVE, & HYDRANT
	PROPOSED WATER SERVICE & CURB STOP
	EXISTING SANITARY SEWER & MANHOLE
	PROPOSED SANITARY SEWER & MANHOLE
	EXISTING FORCEMAIN
	EXISTING STORM SEWER & INLET
	PROPOSED STORM SEWER & INLET
	PROPOSED STORM SEWER & MANHOLE
	BURIED ELECTRIC
	BURIED GAS & VALVE
	BURIED CABLE TELEVISION
	BURIED TELEPHONE
	BURIED FIBER OPTICS
	OVERHEAD UTILITY
	RAILROAD TRACKS
	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	EXISTING CULVERT PIPE
	PROPOSED CULVERT PIPE
	FENCE LINE
	DRAINAGE ARROW
	SILT FENCE
	RIGHT-OF-WAY
	BASELINE
	PROPERTY LINE
	TREE LINE
	BENCHMARK
	IRON PIPE
	IRON ROD
	CONTROL POINT
	UTILITY POLE & GUY
	SOIL BORING
	LIGHT POLE
	PEDESTAL
	STREET SIGN
	MAILBOX
	FLAGPOLE
	TREE - DECIDUOUS
	TREE - CONIFEROUS
	TREE TO BE REMOVED

UTILITIES

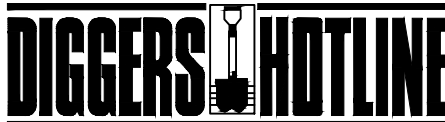
GAS / PETROLEUM: WE ENERGIES ATTN: TRAVIS KAHL 1921 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-7256 MOBILE: (715) 496-6180 EMAIL: TRAVIS.KAHL@WE-ENERGIES.COM	TRANSMISSION: XCEL ENERGY ATTN: BRUCE ZEMKE 414 NICOLLET MALL - 5TH FLOOR MINNEAPOLIS, MN 55401 PHONE: (612) 330-7815 MOBILE: (651) 214-2620 EMAIL: BRUCE.M.ZEMKE@XCELENERGY.COM
---	--

ELECTRIC: XCEL ENERGY ATTN: LAURIE FREEMAN 1921 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 737-1198 MOBILE: (608) 789-3714 EMAIL: LAURIE.A.FREEMAN@XCELENERGIES.COM

COMMUNICATION LINE: CENTURY LINK ATTN: JEROD HOEL 135 N. BONSON STREET PLATTEVILLE, WI 53818 PHONE: (608) 342-4350 MOBILE: (608) 642-0345 EMAIL: JEROD.HOEL@CENTURYLINK.COM	COMMUNICATION LINE: CHARTER COMMUNICATIONS ATTN: PERRY MCCLELLAN 1228 12TH AVE SOUTH ONALASKA, WI 54650 PHONE: (608) 317-6213 EMAIL: PERRY.MCCLELLAN@CHARTER.COM
---	---

COMMUNICATION LINE: WISCONSIN INDEPENDENT NETWORK ATTN: JOHN LOUIS 800 WISCONSIN AVENUE BUILDING D02, SUITE 219 MB# 107 EAU CLAIRE, WI 54703 PHONE: (715) 838-4012 MOBILE: (715) 864-2918 EMAIL: JLOUIS@WINS.NET

SEWER & WATER: CITY OF SPARTA ATTN: MARK VAN WORMER 201 W OAK STREET SPARTA, WI 54656 PHONE: (608) 269-4340 EXT. 228 EMAIL: DPW@SPARTAWISCONSIN.COM
--



Dial 811 or (800) 242-8511

www.DiggersHotline.com

NOTE:
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR
SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO
CONSTRUCTION.

PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-	-	-
	DESIGNED BY:	NDM	-	-	-
	CHECKED BY:	Init	-	-	-
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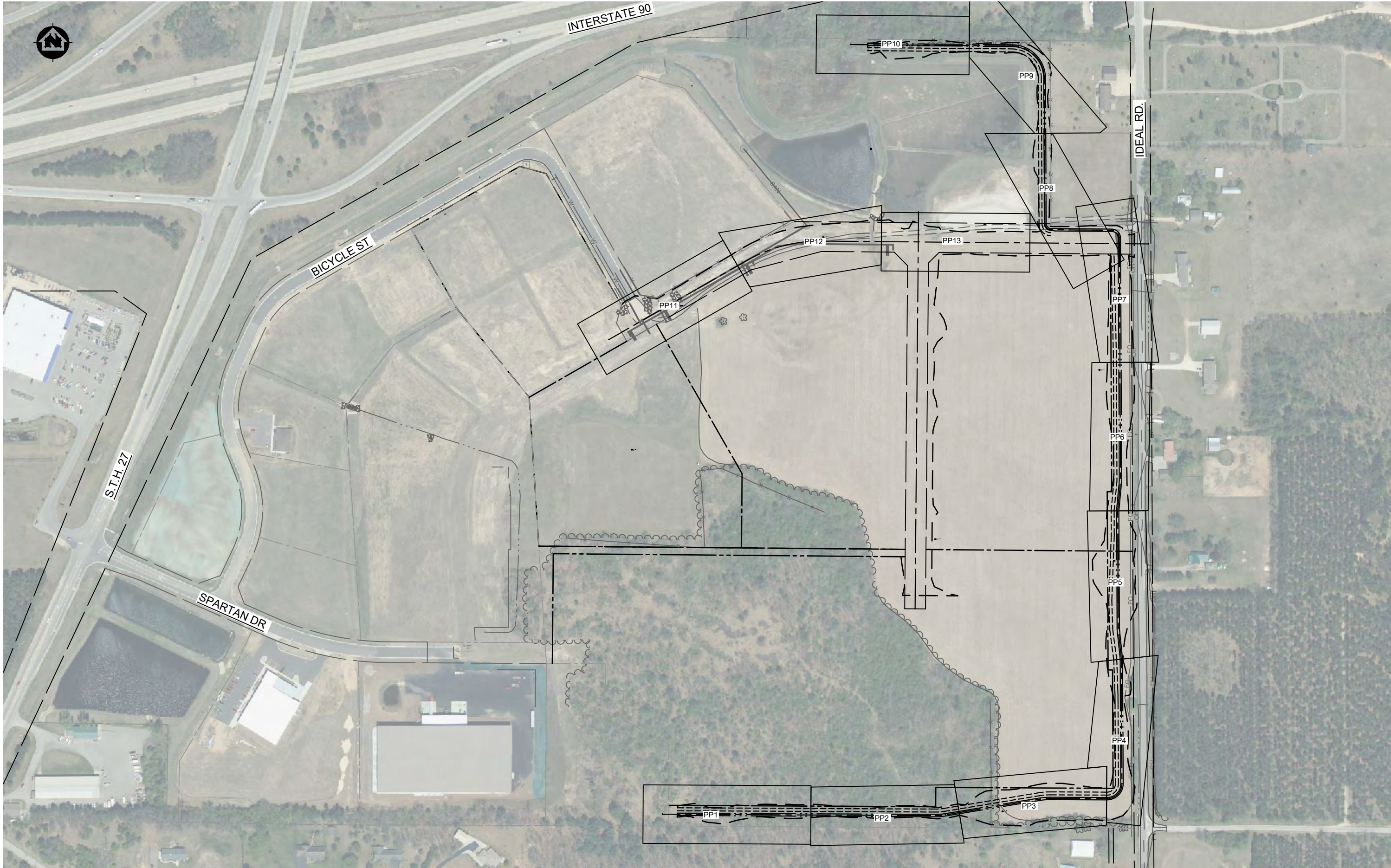


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SOUTH POINTE BUSINESS PARK - PHASE 3
CITY OF SPARTA
MONROE COUNTY, WISCONSIN

TITLE SHEET

PROJECT NO:
00051064
SHEET
G1



PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-	-	-
	DESIGNED BY:	NDM	-	-	-
	CHECKED BY:	Init	-	-	-
PLOT DATE: 1/30/2024 4:00 PM, G:\00\00051\00051064\CADD\Construction Documents\00051064 OVERALL SITE PLAN.dwg					



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SOUTH POINTE BUSINESS PARK - PHASE 3
CITY OF SPARTA
MONROE COUNTY, WISCONSIN

PLAN & PROFILE SHEET INDEX

PROJECT NO:
00051064
SHEET
G2

BENCHMARK AND CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 222A	369739.92	625085.05	849.00	3/4" INCH IRON ROD
CP 225	370811.61	624482.20	834.57	3/4" INCH IRON ROD
CP 226	370213.39	624809.53	840.17	3/4" INCH IRON ROD
CP 227	370559.47	625417.16	830.89	3/4" INCH IRON ROD
CP 228	369601.48	625612.11	839.42	3/4" INCH IRON ROD
CP 229	368955.24	626080.55	849.65	3/4" INCH IRON ROD
CP 230	368558.53	626563.84	872.20	3/4" INCH IRON ROD
CP 231	369367.84	626590.80	871.67	MAG NAIL IN PAVEMENT
CP 232	370055.36	626549.51	859.22	3/4" INCH IRON ROD
BM 300	370281.83	624830.16	840.91	TSOH W. SIDE OF BICYCLE ST.
BM 301	370696.55	624592.22	838.66	TSOH W. SIDE OF BICYCLE ST.



PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-		-
	DESIGNED BY:	NDM	-		-
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PLOT DATE: 1/30/2024 4:02 PM, G:\00\00051\00051064\CADD\Construction Documents\00051064 BENCHMARK AND CONTROL POINT INDEX.dwg					

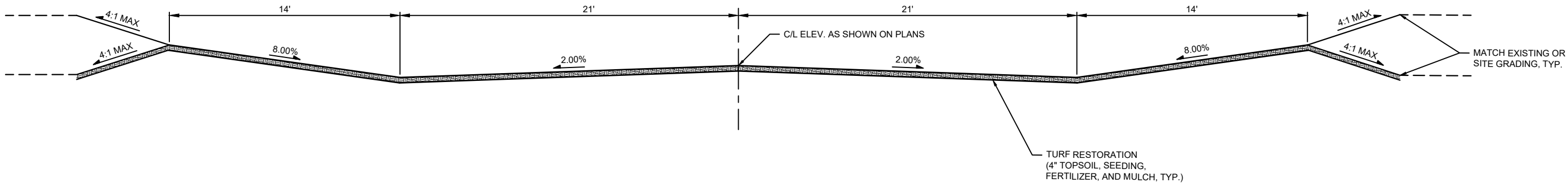


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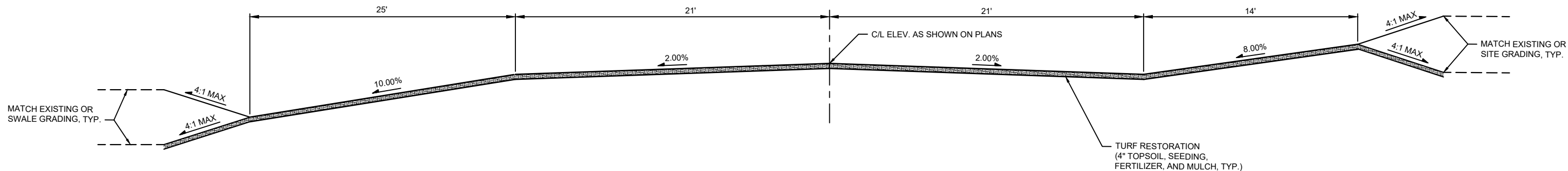
SOUTH POINTE BUSINESS PARK - PHASE 3
CITY OF SPARTA
MONROE COUNTY, WISCONSIN

BENCHMARK AND CONTROL POINT INDEX

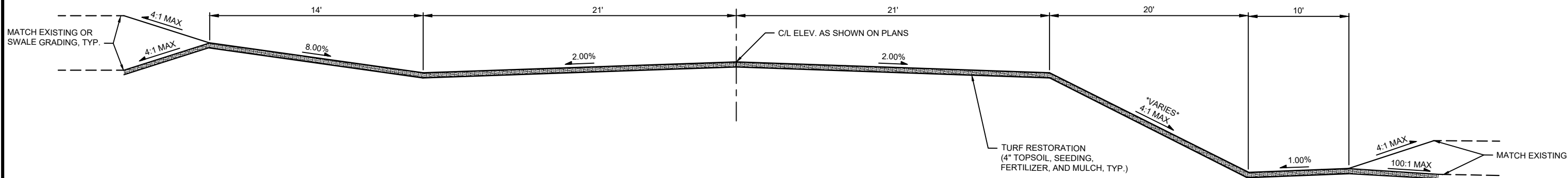
PROJECT NO:
00051064
SHEET
G3



FUTURE ROADWAY TYPICAL SECTION
STA 101+67 TO STA 110+44
STA 111+95 TO STA 115+25



FUTURE ROADWAY TYPICAL SECTION
STA 115+25 TO STA 118+48



FUTURE ROADWAY TYPICAL SECTION
STA 200+45 TO STA 211+55

PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-	-	-
	DESIGNED BY:	NDM	-	-	-
	CHECKED BY:	Init	-	-	-
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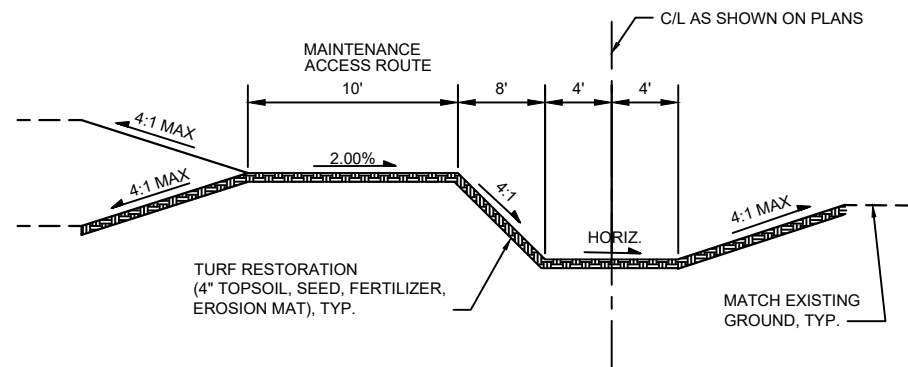


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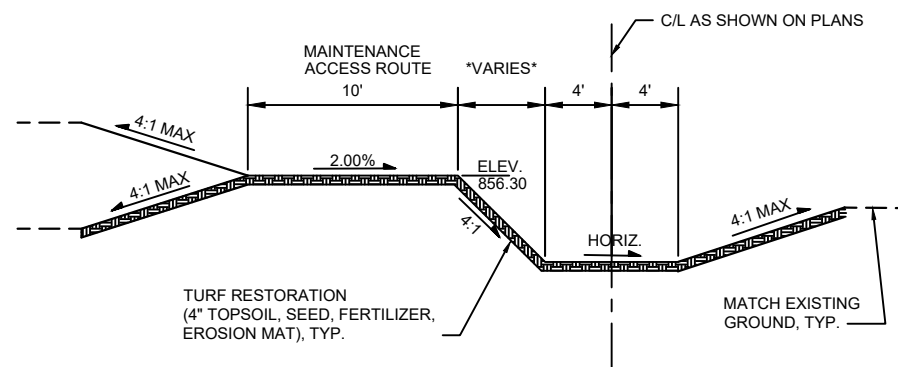
SOUTH POINTE BUSINESS PARK - PHASE 3
CITY OF SPARTA
MONROE COUNTY, WISCONSIN

TYPICAL SECTIONS

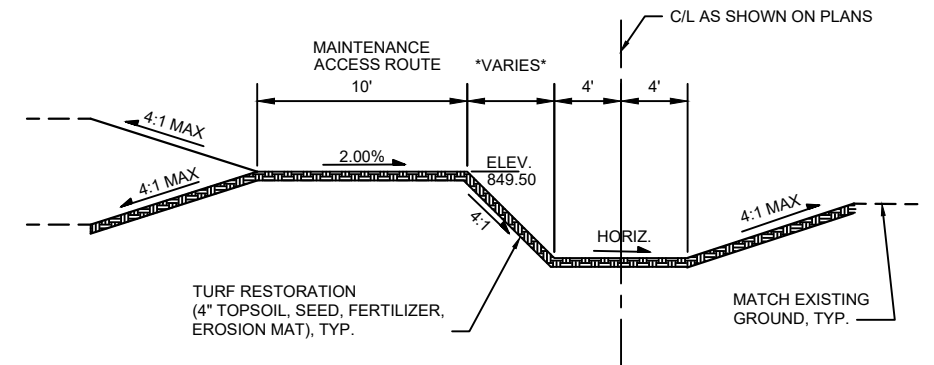
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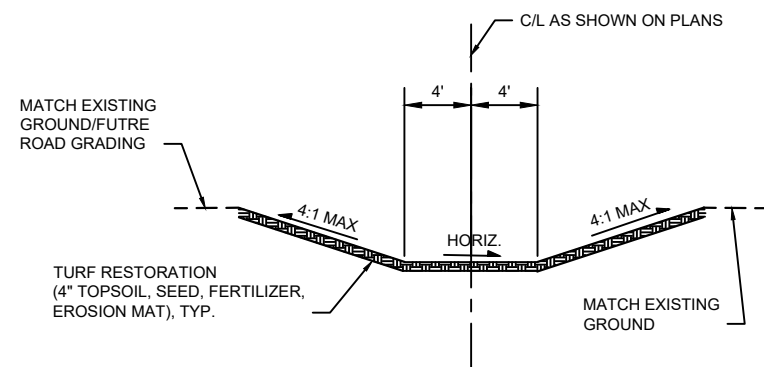
BYPASS SWALE TYPICAL SECTION 1
 STA 1+50 TO STA 19+80
 STA 25+25 (42" APRON ENDWALL) TO STA 31+25



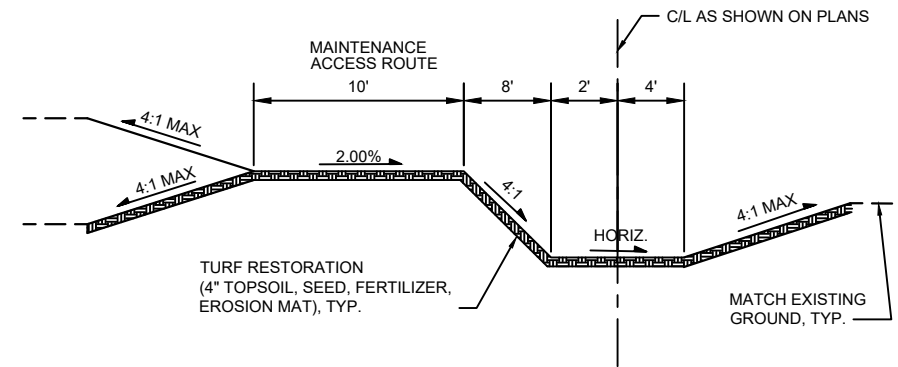
BYPASS SWALE TYPICAL SECTION 2
 STA 19+80 TO STA 22+90 (42" APRON ENDWALL)



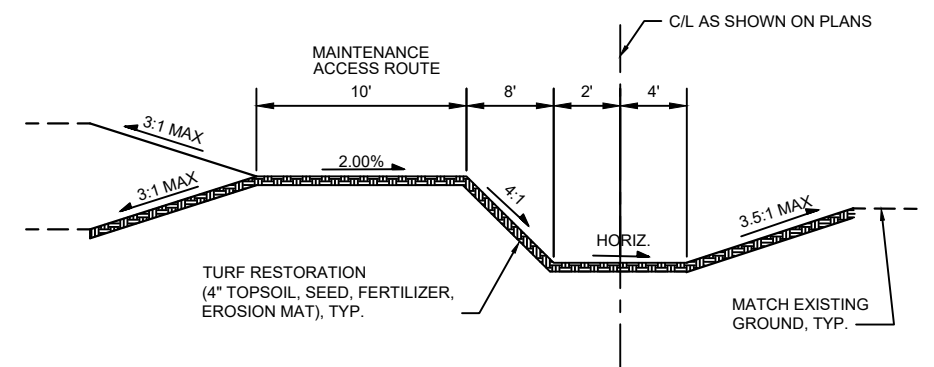
BYPASS SWALE TYPICAL SECTION 3
 STA 31+25 TO STA 34+50 (30" APRON ENDWALLS)



BYPASS SWALE TYPICAL SECTION 4
 STA 35+40 (30" APRON ENDWALLS) TO STA 37+64



BYPASS SWALE TYPICAL SECTION 5
 STA 37+64 TO STA 39+50
 STA 41+50 TO STA 49+42



BYPASS SWALE TYPICAL SECTION 6
 STA 39+50 TO STA 41+50

PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-	-	-
	DESIGNED BY:	NDM	-	-	-
	CHECKED BY:	Init	-	-	-
PLOT DATE: 1/30/2024 4:02 PM, G:\00\00051\00051064\CADD\Construction Documents\G5 TYPICAL SECTIONS.dwg					

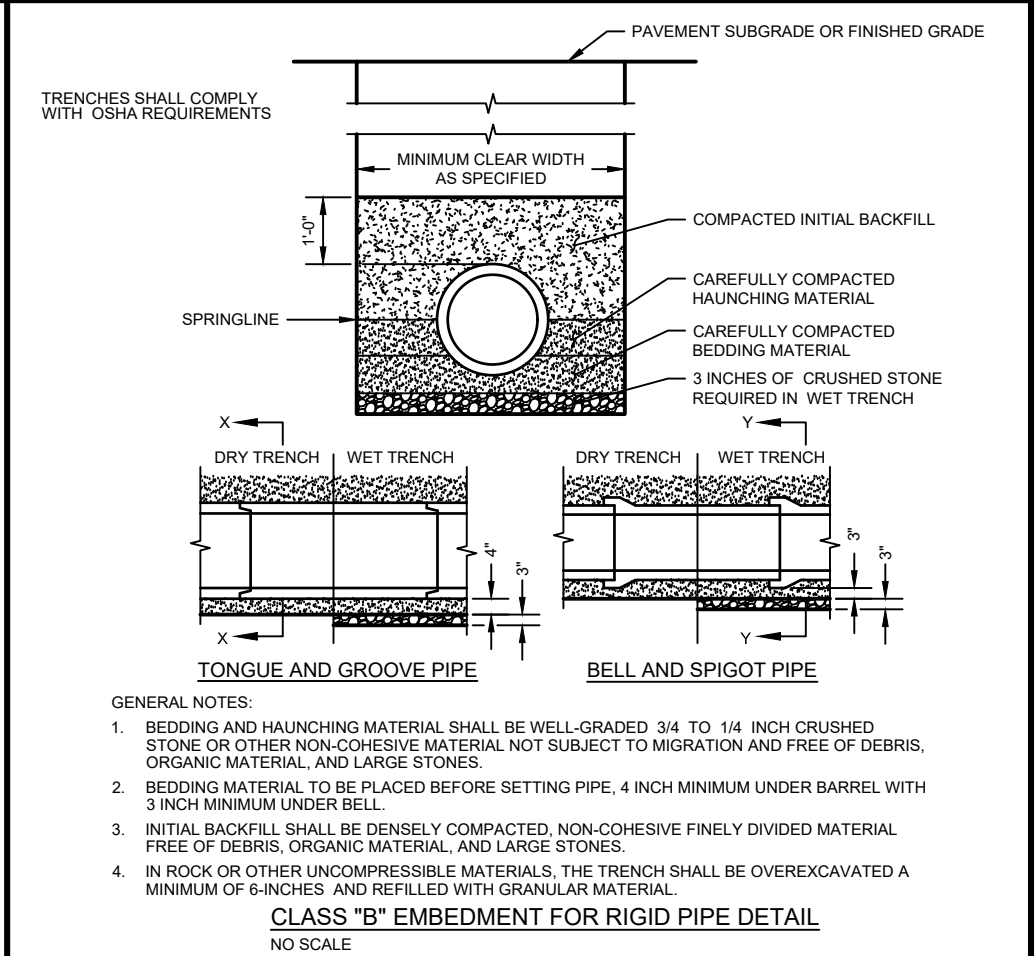
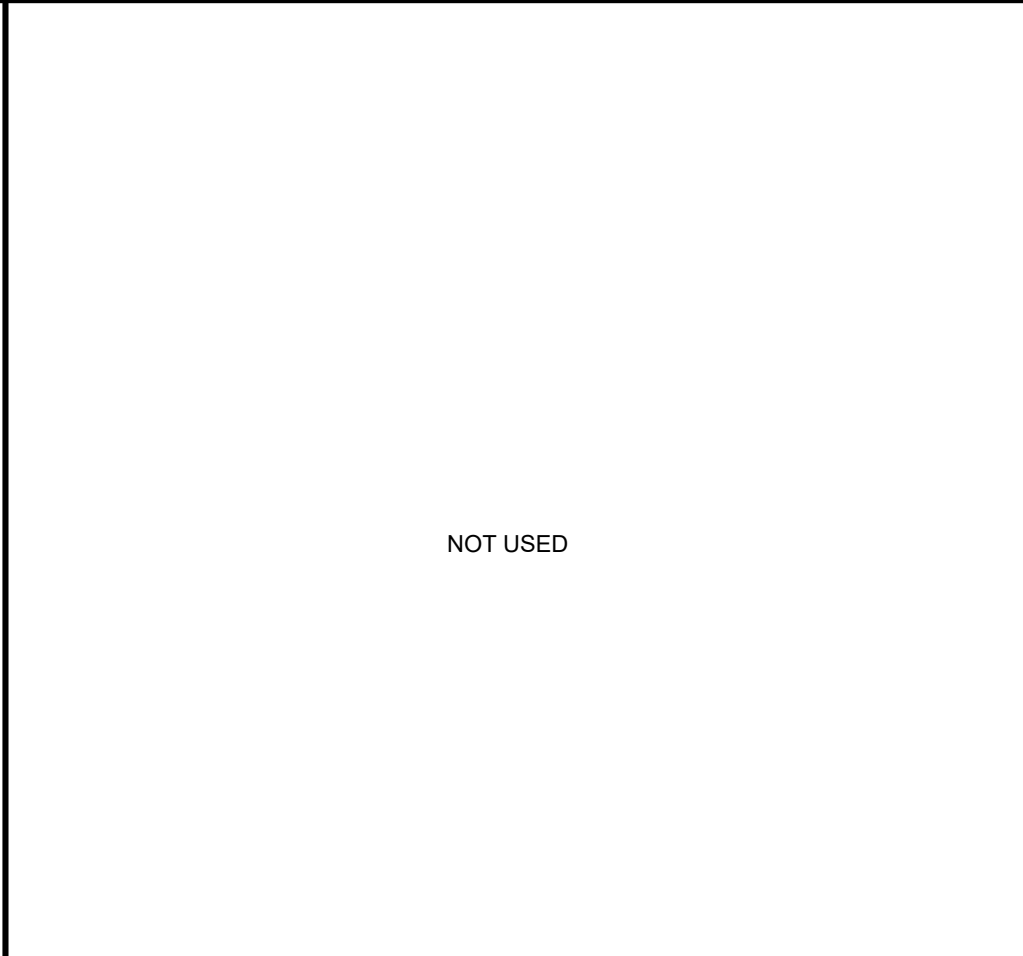
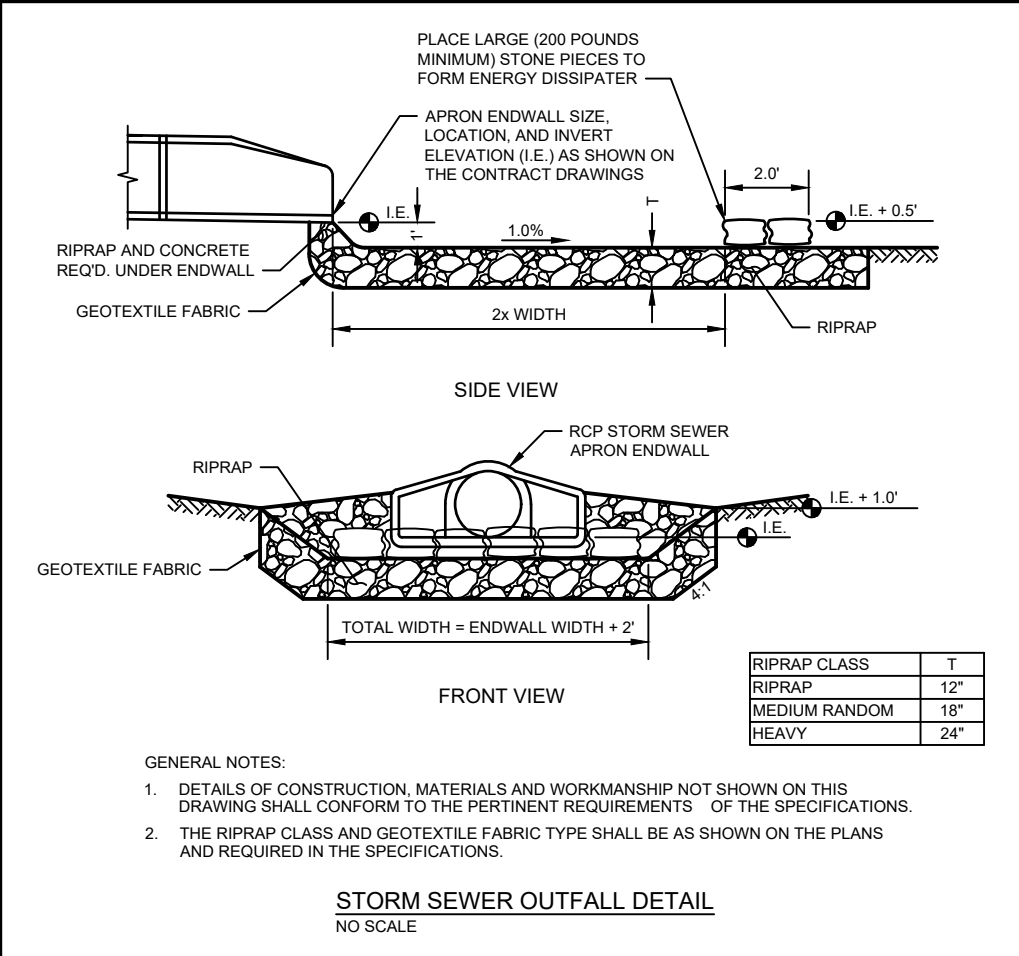
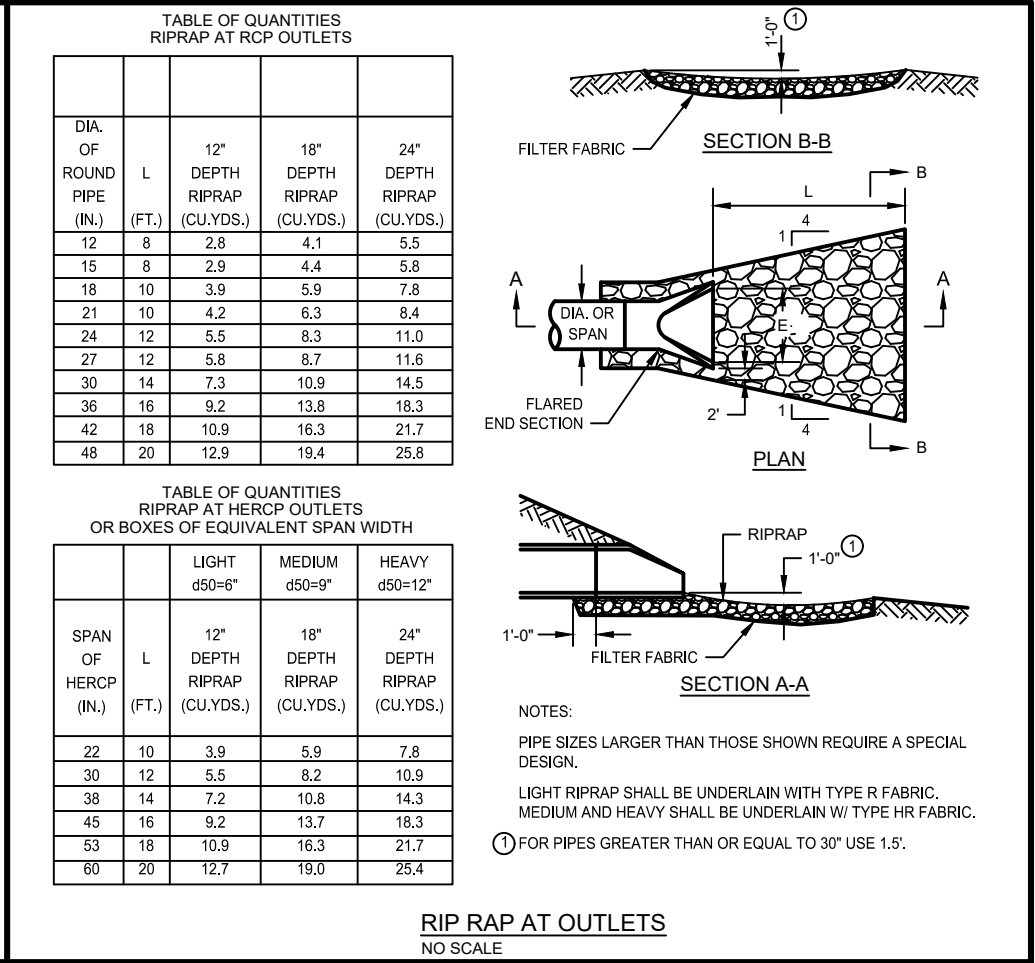
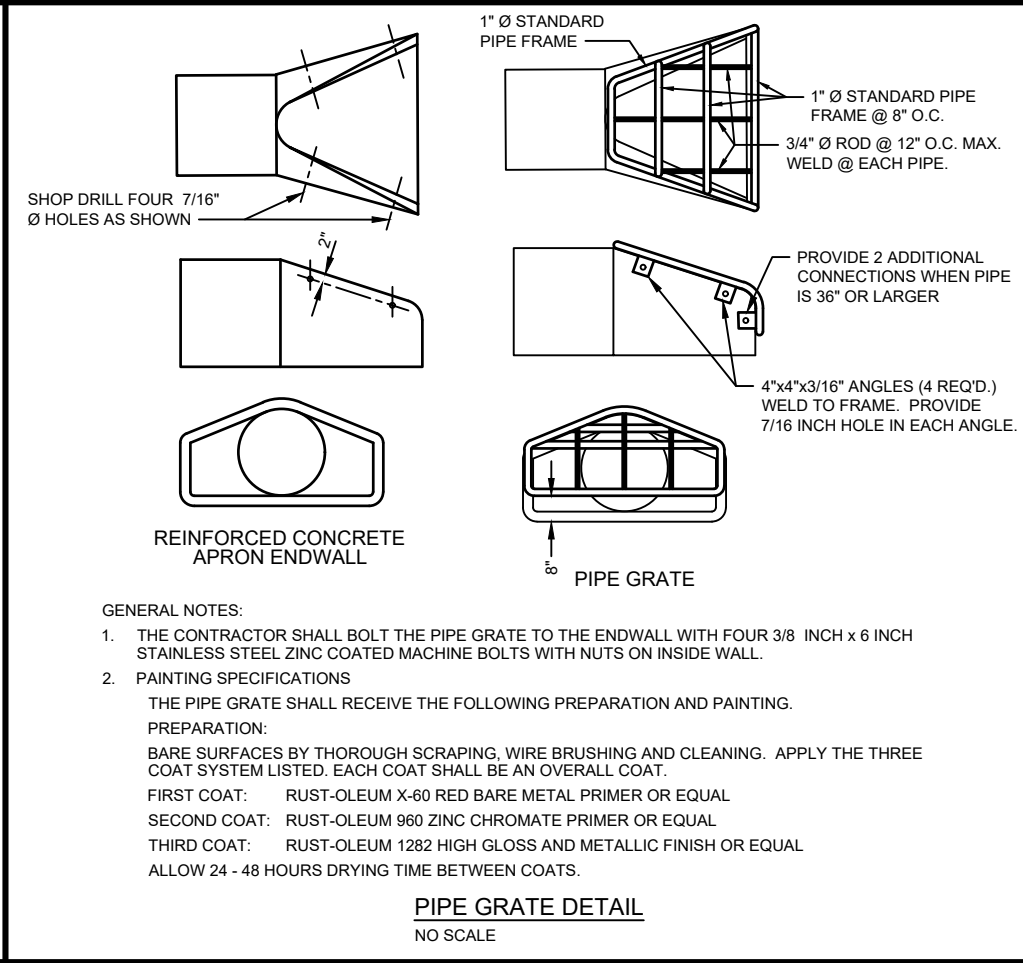
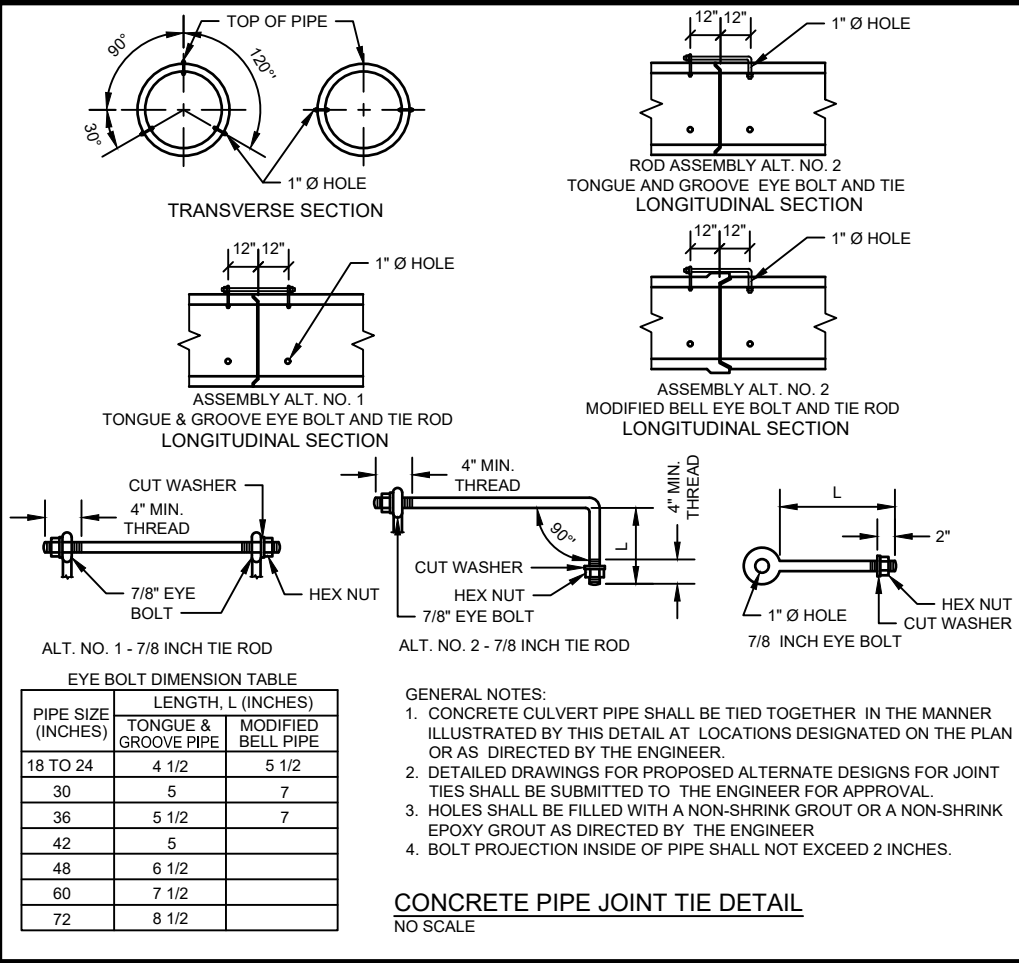


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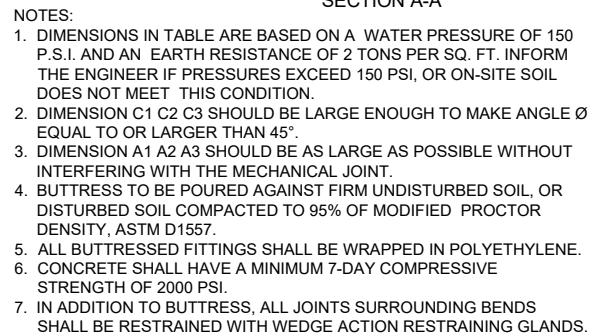
SOUTH POINTE BUSINESS PARK - PHASE 3
 CITY OF SPARTA
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TYPICAL SECTIONS

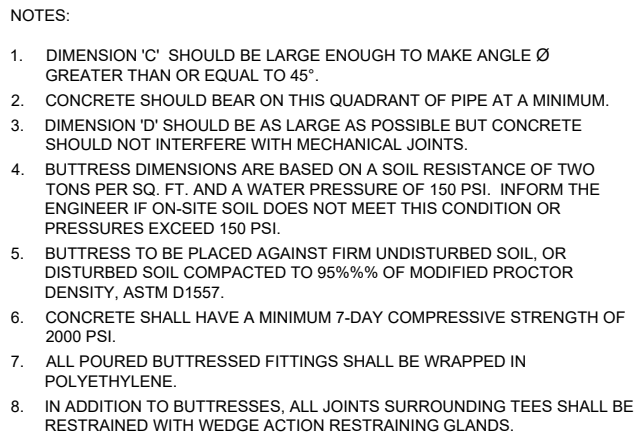
PROJECT NO:
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G5



PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-		-
	DESIGNED BY:	NDM	-		-
	CHECKED BY:	Init	-		-
PLOT DATE: 1/30/2024 4:02 PM, G:\00\00051\00051064\CADD\Construction Documents\00051064 STORM SEWER DETAILS.dwg					



BUTTRESS DIMENSIONS						
PIPE SIZE	22 1/2° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

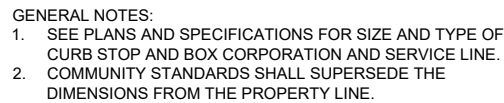


BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

DIA. = BRANCH DIAMETER



THE ABOVE LENGTHS (GIVEN IN FEET) REPRESENT THE MINIMUM
LENGTH OF PIPE TO BE TIED TOGETHER IN EACH REQUIRED
DIRECTION FROM THE FITTING DESCRIBED



GENERAL NOTES:

1. BEDDING AND HAUNCHING MATERIAL SHALL BE WELL-GRADED 3/4 TO 1/4 INCH CRUSHED STONE OR OTHER NON-COHEIVE MATERIAL NOT SUBJECT TO MIGRATION AND FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
2. BEDDING MATERIAL TO BE PLACED BEFORE SETTING PIPE, 4 INCH MINIMUM UNDER BARREL WITH 3 INCH MINIMUM UNDER BELL.
3. INITIAL BACKFILL SHALL BE DENSELY COMPACTED, NON-COHEIVE FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
4. IN ROCK OR OTHER UNCOMPRESSIBLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6-INCHES AND REFILLED WITH GRANULAR MATERIAL.

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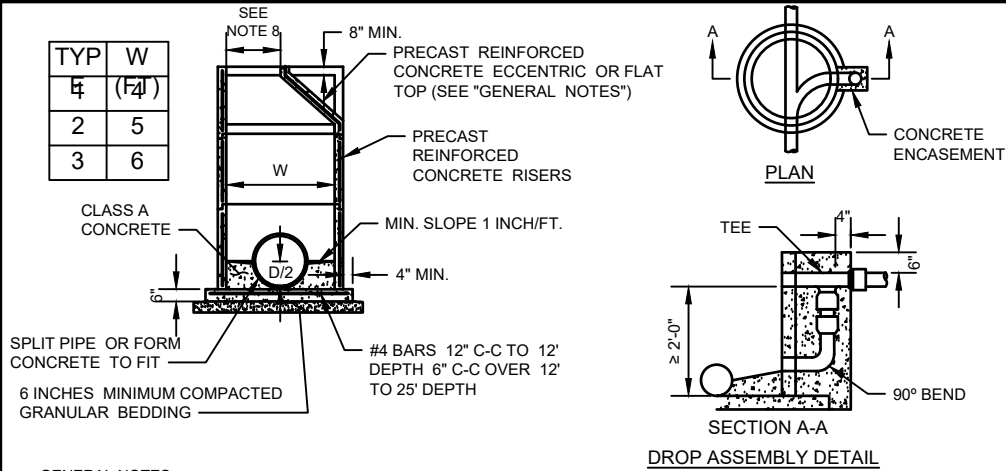
PLOT DATE: 1/30/2024 4:02 PM, G:\000005100051064\CADD\Construction Documents\00051064 WATER MAIN DETAILS.dwg



WATER MAIN DETAILS (BID ALTERNATE A)

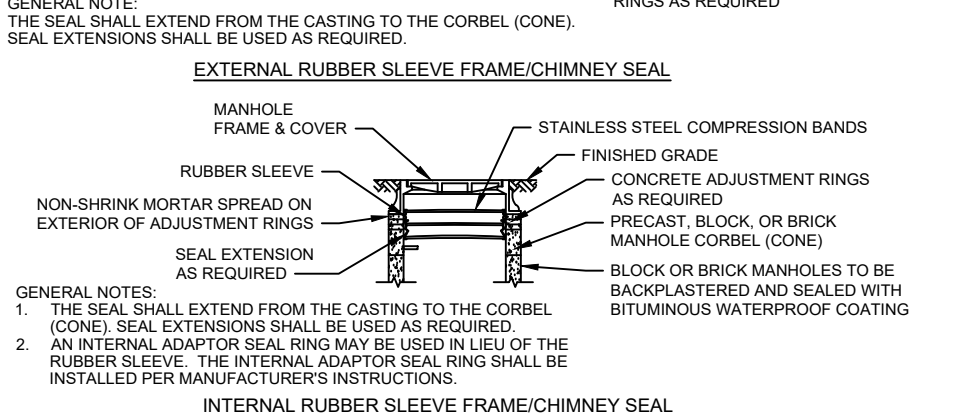
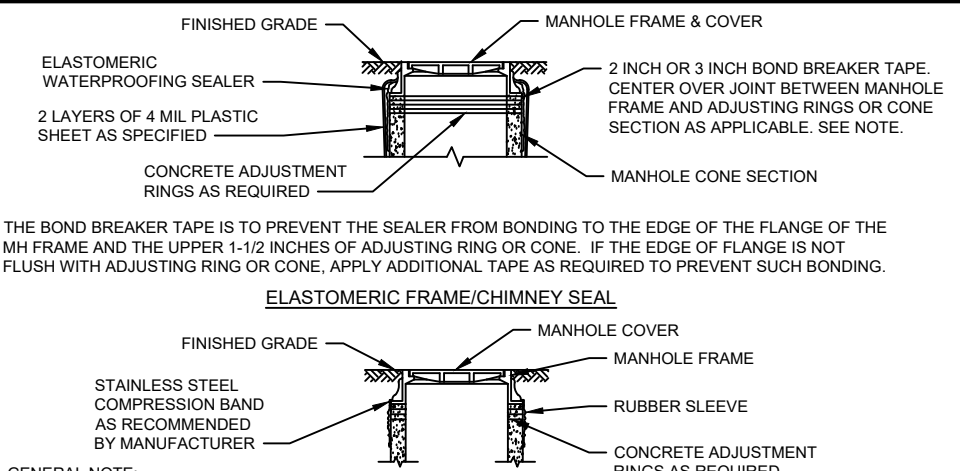
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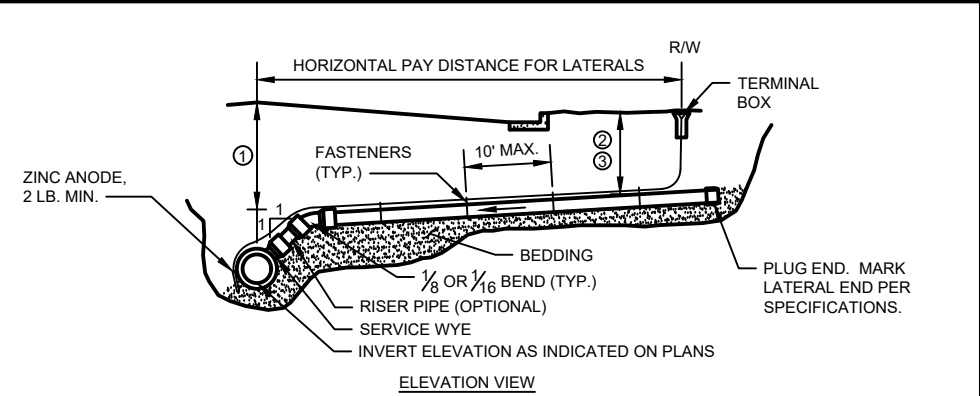
- GENERAL NOTES:
1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING AND THE APPLICABLE SPECIAL CONDITIONS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
 2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
 3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
 4. ECCENTRIC CONE TOPS SHALL BE USED ON ALL STRUCTURES 5 FEET OR GREATER IN DEPTH, AND FLAT TOPS SHALL BE USED ONLY ON STRUCTURES LESS THAN 5 FEET IN DEPTH, UNLESS DIRECTED BY THE ENGINEER.
 5. PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.
 6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
 7. DROP CONNECTIONS SHALL BE USED WHEN THE PIPE INVERT IS MORE THAN 2 FEET ABOVE THE MANHOLE INVERT. PRECAST STRUCTURE MANWAY CLEAR OPENING SHALL MATCH CASTING - REFER TO STANDARD SPECIFICATION
 8. DIVISION 33 AND THE APPLICABLE SPECIAL CONDITIONS.
 - OPENING SHALL BE 24" FOR R-1550 CASTINGS
 - OPENING SHALL BE 27" FOR R-1642 CASTINGS
 9. DROP CONNECTION AND ASSEMBLY SHALL BE CONSTRUCTED WITH DUCTILE IRON PIPE.

PRECAST REINFORCED CONCRETE MANHOLE DETAIL
NO SCALE



INTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

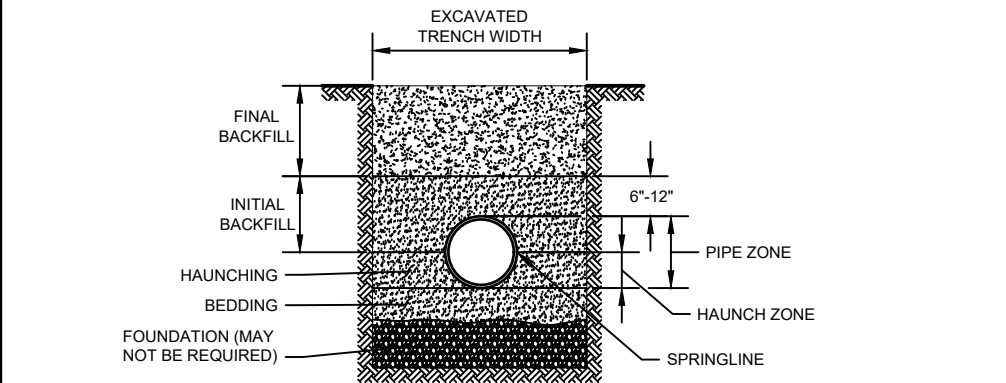
MANHOLE WATERPROOFING DETAIL
NO SCALE



- NOTES FOR LATERAL INSTALLATION:
1. MINIMUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
 2. MINIMUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
 3. MINIMUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
 4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

- NOTES FOR TRACER WIRE INSTALLATION:
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
 2. NO. 12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH THE NON-CONDUCTIVE SERVICE. PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER MAIN OR AS DETERMINED BY THE ENGINEER OR OWNER. TRACER WIRE INSTALLATION REQUIRES ACCESS POINTS AT LEAST EVERY 300 FEET.
 3. TRACER WIRE SHALL BE RESTRAINED BY CABLE-TIES, TAPE, OR BY NON-CORRESIVE FASTENER APPROVED BY THE OWNER, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NOT WRAP TRACER WIRE AROUND THE PIPE.
 4. TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATED IN A FLUSH MOUNTED TERMINAL BOX WITH A CAST IRON LOCKABLE TOP. SPLICES IN TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION-TYPE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION. TERMINAL BOX SHALL BE VALVCO, OR APPROVED EQUAL.

SANITARY SEWER LATERAL DETAIL
NO SCALE



- GENERAL NOTES:
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
 2. CLASS 1 EMBEDMENT MATERIAL SHALL BE CLEAN, OPEN GRADED CRUSHED STONE, ROCK OR GRAVEL.
 3. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
 4. DO NOT USE CLASS 1A MATERIAL WHERE CONDITIONS MAY CAUSE MIGRATION OF FINES FROM ADJACENT SOIL AND LOSS OF PIPE SUPPORT.
 5. CLASS 1 MATERIAL IS SUITABLE AS FOUNDATION AND FOR REPLACING OVER-EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
 6. INSTALL BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS).
 7. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
 8. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN
 9. EMBEDMENT COMPACTION:
 - CLASS 1: PLACE AND WORK BY HAND TO INSURE ALL EXCAVATED VOIDS AND HAUNCH AREAS ARE FILLED. FOR HIGH DENSITIES USE VIBRATORY COMPACTORS.
 10. EMBEDMENT INCLUDES BEDDING, HAUNCHING, AND INITIAL BACKFILL

CLASS I - FLEXIBLE PIPE EMBEDMENT DETAIL
NO SCALE

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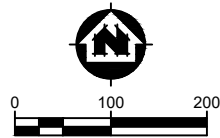


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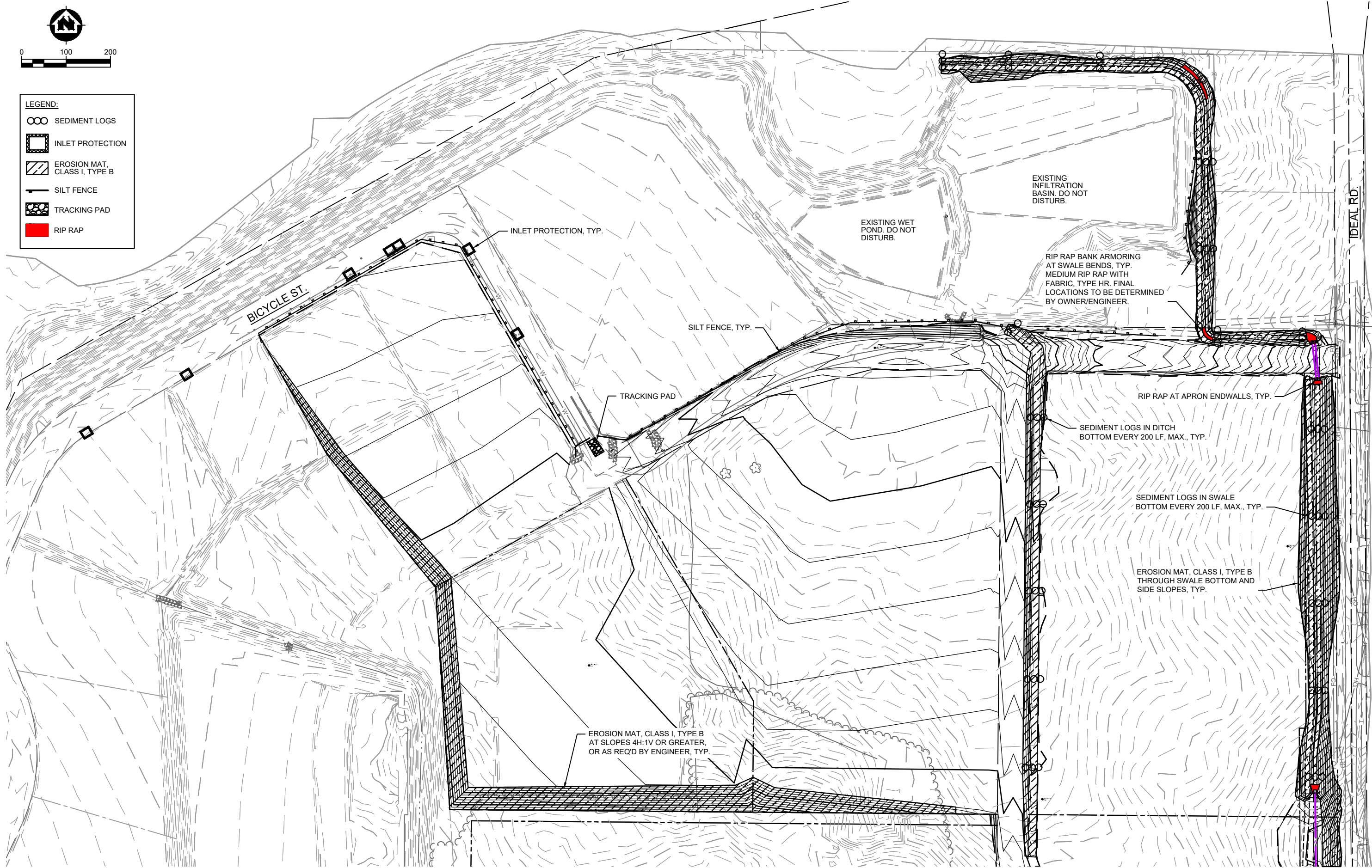
SANITARY SEWER DETAILS (BID ALTERNATE A)

PROJECT NO:
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LEGEND:

- SEDIMENT LOGS
- INLET PROTECTION
- EROSION MAT, CLASS I, TYPE B
- SILT FENCE
- TRACKING PAD
- RIP RAP



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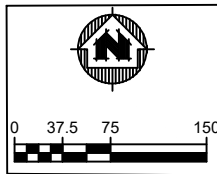


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EROSION CONTROL PLAN

PROJECT NO:
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EC1



EROSION MAT, CLASS I, TYPE B
ON ALL SLOPES 4H:1V OR GREATER
OR AS REQ'D BY ENGINEER, TYP.

CP #222A

CP #228

RIP RAP AT APRON ENDWALLS, TYP.

EROSION MAT, CLASS I, TYPE B
THROUGH SWALE BOTTOM AND
SIDE SLOPES, TYP.

RIP RAP BANK ARMORING
AT SWALE BEND. MEDIUM
RIP RAP WITH FABRIC, TYPE HR.
FINAL LOCATIONS TO BE
DETERMINED BY ENGINEER.

SEDIMENT LOGS IN SWALE BOTTOM
EVERY 200 LF MAX., TYP.

CP #229

CP #231

CP #230

IDEAL RD.

LEGEND:

- SEDIMENT LOGS
- EROSION MAT, CLASS I, TYPE B
- SILT FENCE
- RIP RAP

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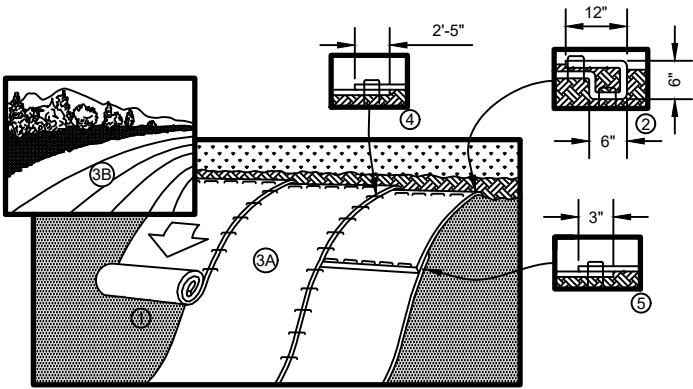
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EROSION CONTROL PLAN

PROJECT NO:
00051064
SHEET
EC2

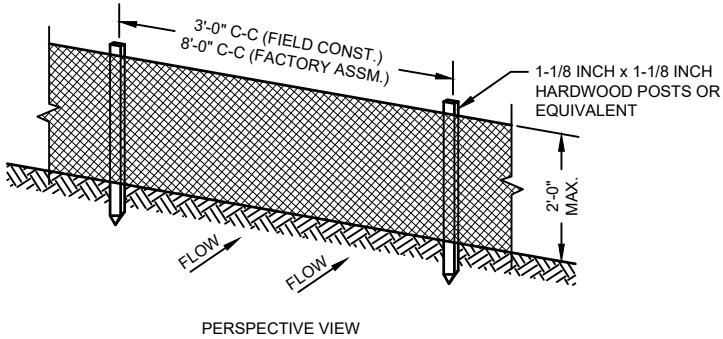
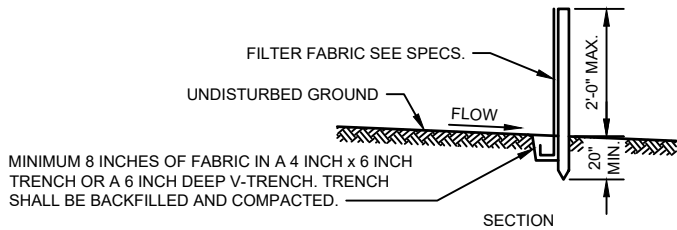
CONSTRUCTION SITE EROSION
CONTROL REQUIREMENTS

- 1.) SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM SHALL BE MADE AS REQUIRED.
- 2.) ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY RELEASED STANDARD.
- 3.) THE INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE PLAN SHEETS AND IN THE ACCOMPANYING SPECIFICATIONS.
- 4.) ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- 5.) THE AREA OF EROSION LAND EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.
- 6.) ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN IS PRODUCED. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS. THIS APPROACH ACKNOWLEDGES THE DIFFICULTY OF WORKING IN WET CONDITIONS AS NECESSARY FOR PREVENTING THE IRRETRIEVABLE "FIRST FLUSH" OF SEDIMENT INTO ADJACENT WATERWAYS, DEGRADING WATER QUALITY AND FISH HABITAT.
- 7.) ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
- 8.) GRUBBING AND GRADING OPERATIONS SHALL BE PERFORMED IN PROPER SEQUENCE WITH OTHER WORK TO MINIMIZE EROSION.
- 9.) ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- 10.) WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
- 11.) CHANNELIZED RUNOFF FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS, IF PRACTICAL.
- 12.) THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND / OR SCRAPPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL, DIRT AND / OR DUST.
- 13.) EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
- 14.) EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
- a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
- b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
- c. DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE STANDARD 1061 - DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE.
- 15.) ALL DRAINAGE CULVERTS, STORM DRAIN INLETS, MANHOLES, OR ANY OTHER EXISTING STRUCTURES WHICH COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.
- 16.) ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- 17.) THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION (E.G. PLACEMENT OF SEED AND MULCH, EROSION MAT, SOD) A DISTURBED AREA SHALL INCLUDE WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- 18.) WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.
- 19.) ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
- 20.) ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF 4 TO 6 INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
 - ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
 - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5 CM-12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
 - CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

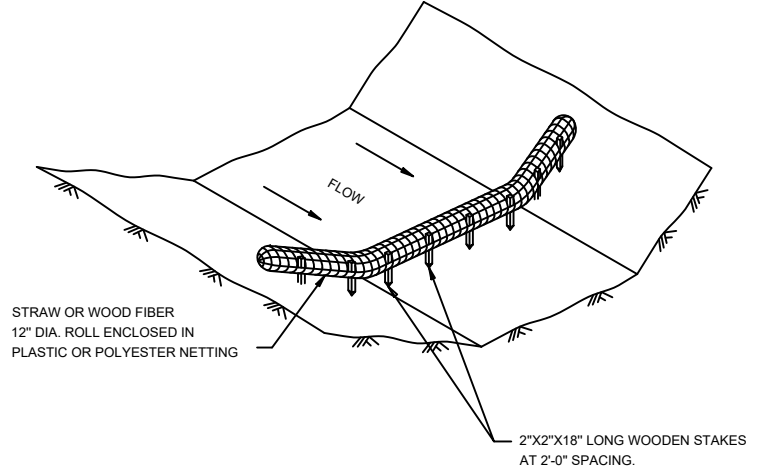
EROSION CONTROL BLANKET DETAIL
NO SCALE



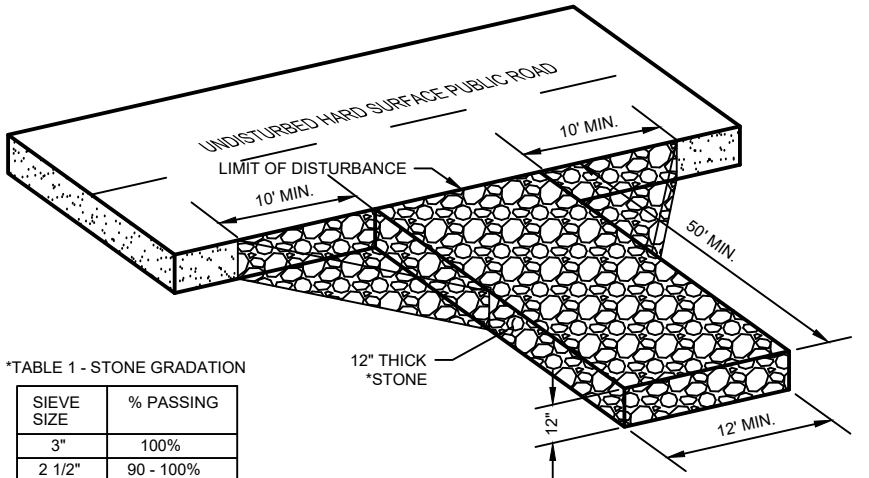
GENERAL NOTES:

- ENDS OF FENCE SHALL BE TURNED UPSLOPE 1 TO 2 FEET IN ELEVATION TO PREVENT FLANKING.
- STAPLE FABRIC WITH 1/2 INCH (MINIMUM) STAPLES TO THE UPSLOPE SIDE OF THE POSTS.
- WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

TYPICAL SILT FENCE INSTALLATION AT SITE PERIMETER DETAIL
NO SCALE



SEDIMENT LOG DETAIL



*TABLE 1 - STONE GRADATION

SIEVE SIZE	% PASSING
3"	100%
2 1/2"	90 - 100%
1 1/2"	25 - 60%
3/4"	0 - 20%
3/8"	0 - 5%

NOTES:

- TRACKING PAD WIDTH SHALL BE AT LEAST THE FULL WIDTH OF HTE EGRESS POINT OR 12' WIDE MINIMUM.
- TRACKING PAD LENGTH SHALL BE 50' FOR CONSTRUCTION SITES, 30' FOR SINGLE FAMILY RESIDENTIAL, OR AS SPECIFIED IN THE CONTRACT DOCUMENTS. LENGTH OF TRACKING PAD MAY NEED TO BE INCREASE OR ADDITIONAL SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED BY THE CONTRACTOR IS SEDIMENT TRACK-OUT OCCURS.
- GEOTEXTILE FABRIC TYPE R SHALL BE INSTALLED BETWEEN THE STONE AND SUBGRADE ON SITES WHERE HIGH GROUND WATER IS OBSERVED.
- CONTRACTOR SHALL CLEAN STREET/ROADWAY ADJACENT TO ALL CONSTRUCTION ACCESS POINTS AT THE END OF EACH WORKDAY OR MORE FREQUENTLY IF REQUESTED.

STONE TRACKING PAD
NO SCALE

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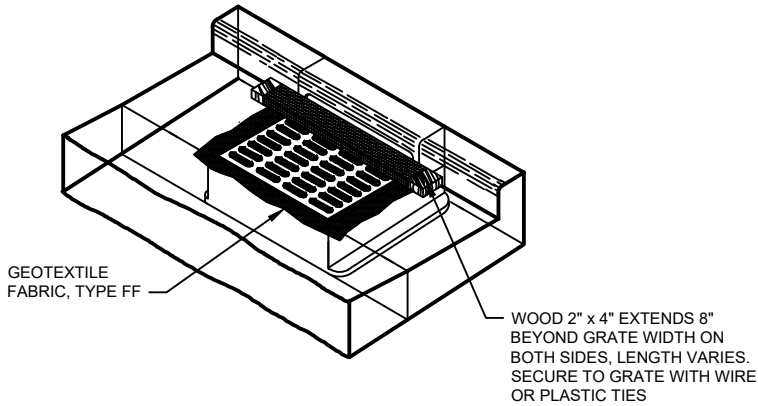
EROSION CONTROL DETAILS

PROJECT NO:
00051064
SHEET
EC3

GENERAL NOTES - INLET PROTECTION

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

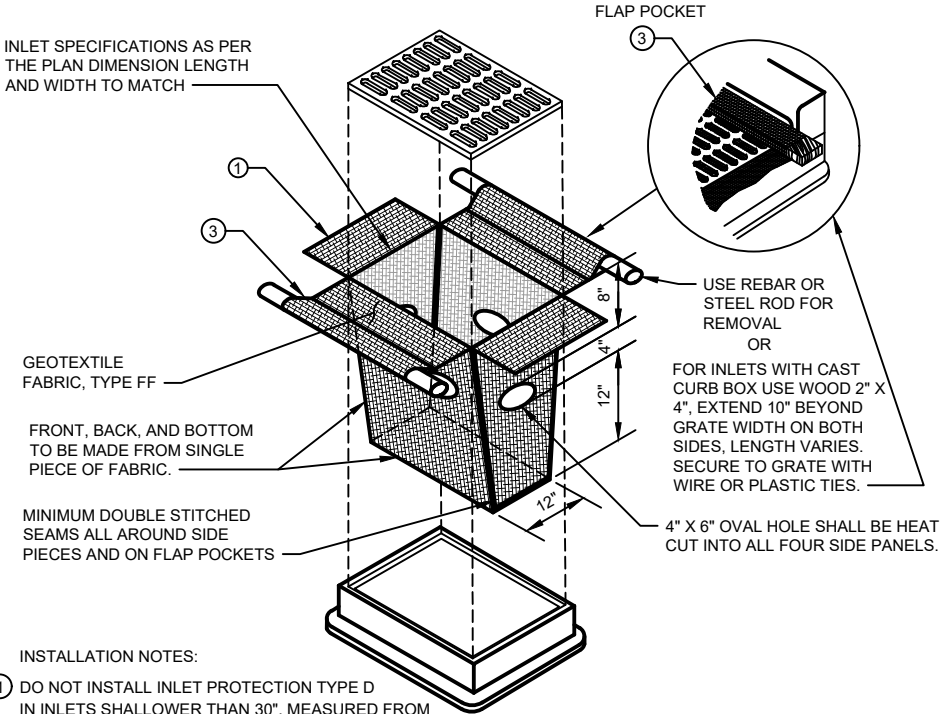
- 1
- 2
- 3
- FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INSTALLATION NOTES:

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

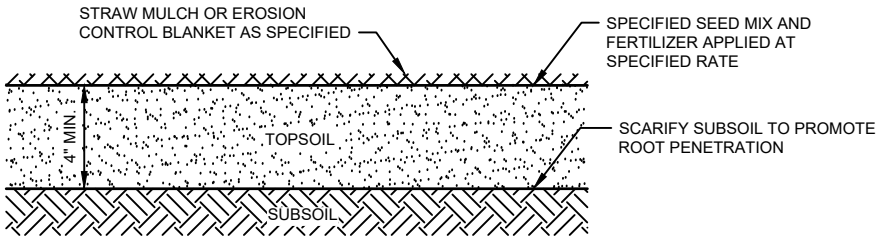
INLET PROTECTION, TYPE C
NO SCALE



INSTALLATION NOTES:

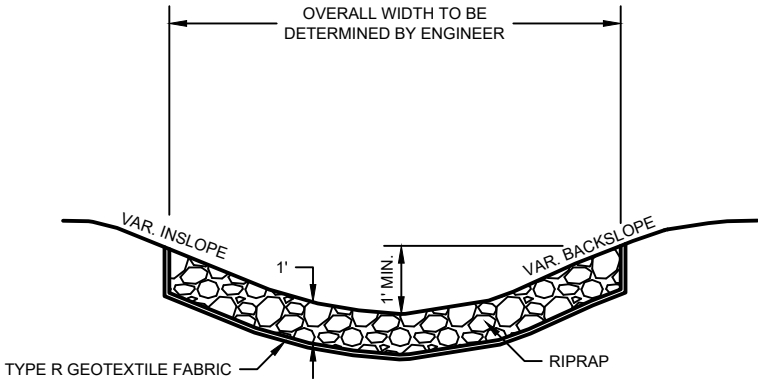
- 1
- 2
- 3
- DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
- TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
- THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION, TYPE D
NO SCALE
CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE



NOTE: WHERE REQUIRED, PLANT HERBACEOUS PLUGS ACCORDING TO PLAN, OR AS DIRECTED BY ENGINEER.

TOPSOIL AND SEEDING DETAIL
NO SCALE



TYPICAL RIPRAP INSTALLATION
NO SCALE

NOT USED

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PLOT DATE: 1/28/2024 1:44 PM, G:\00\00051\00051064\CADD\Construction Documents\00051064 EROSION CONTROL DETAILS 2.dwg




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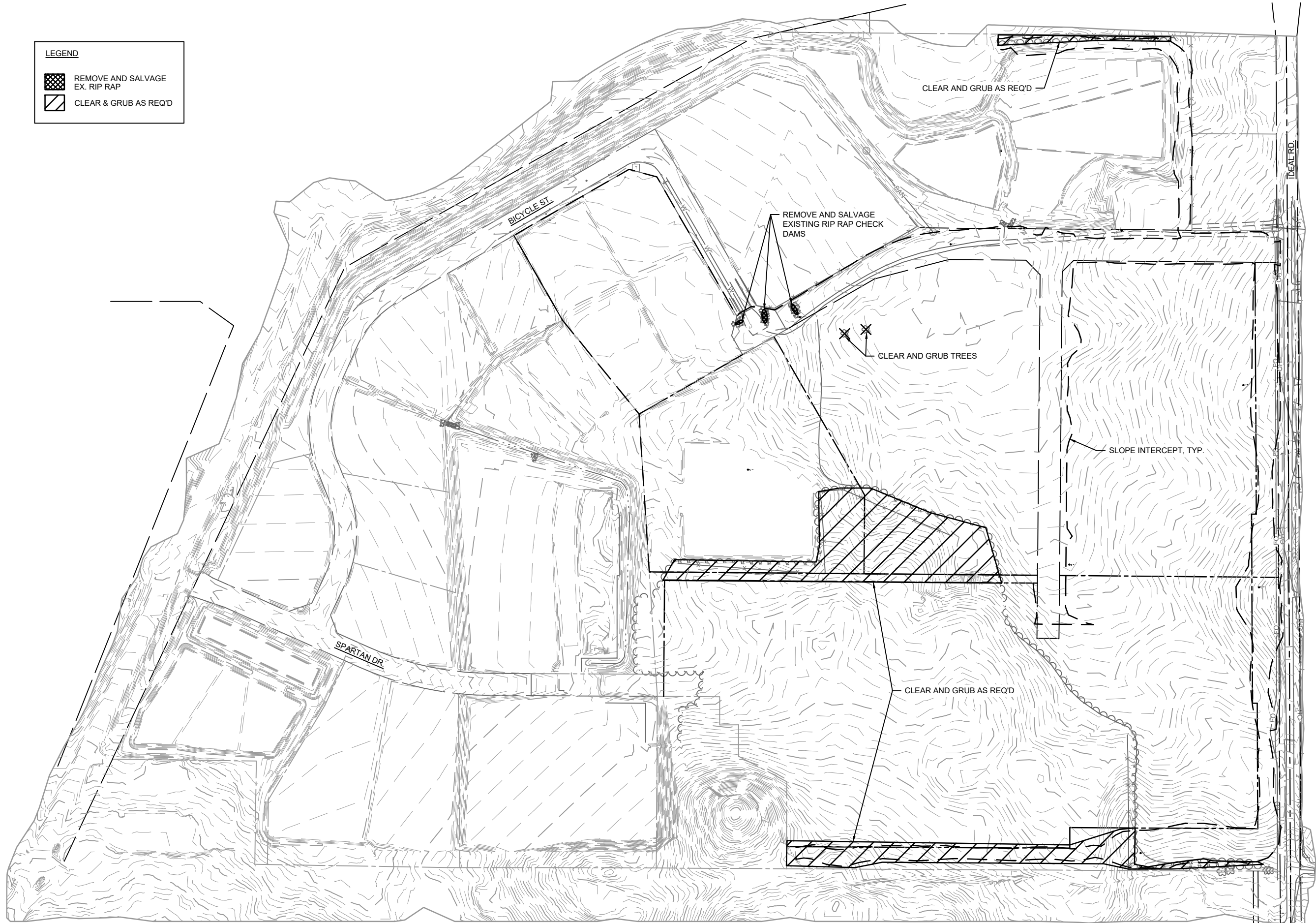
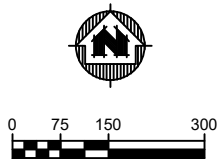
EROSION CONTROL DETAILS

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EC4

LEGEND

 REMOVE AND SALVAGE EX. RIP RAP

 CLEAR & GRUB AS REQ'D



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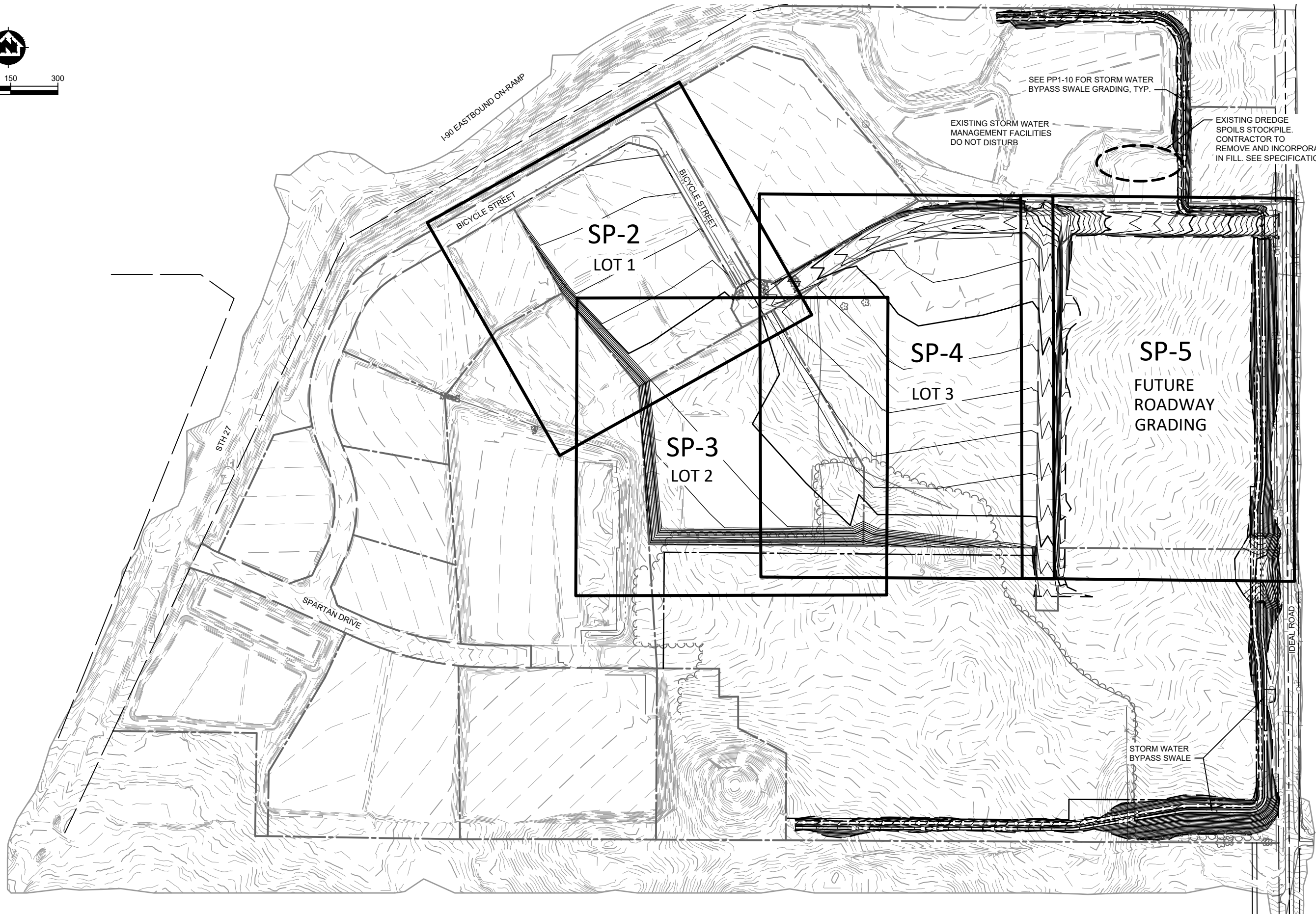
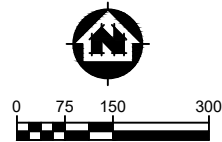


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REMOVALS

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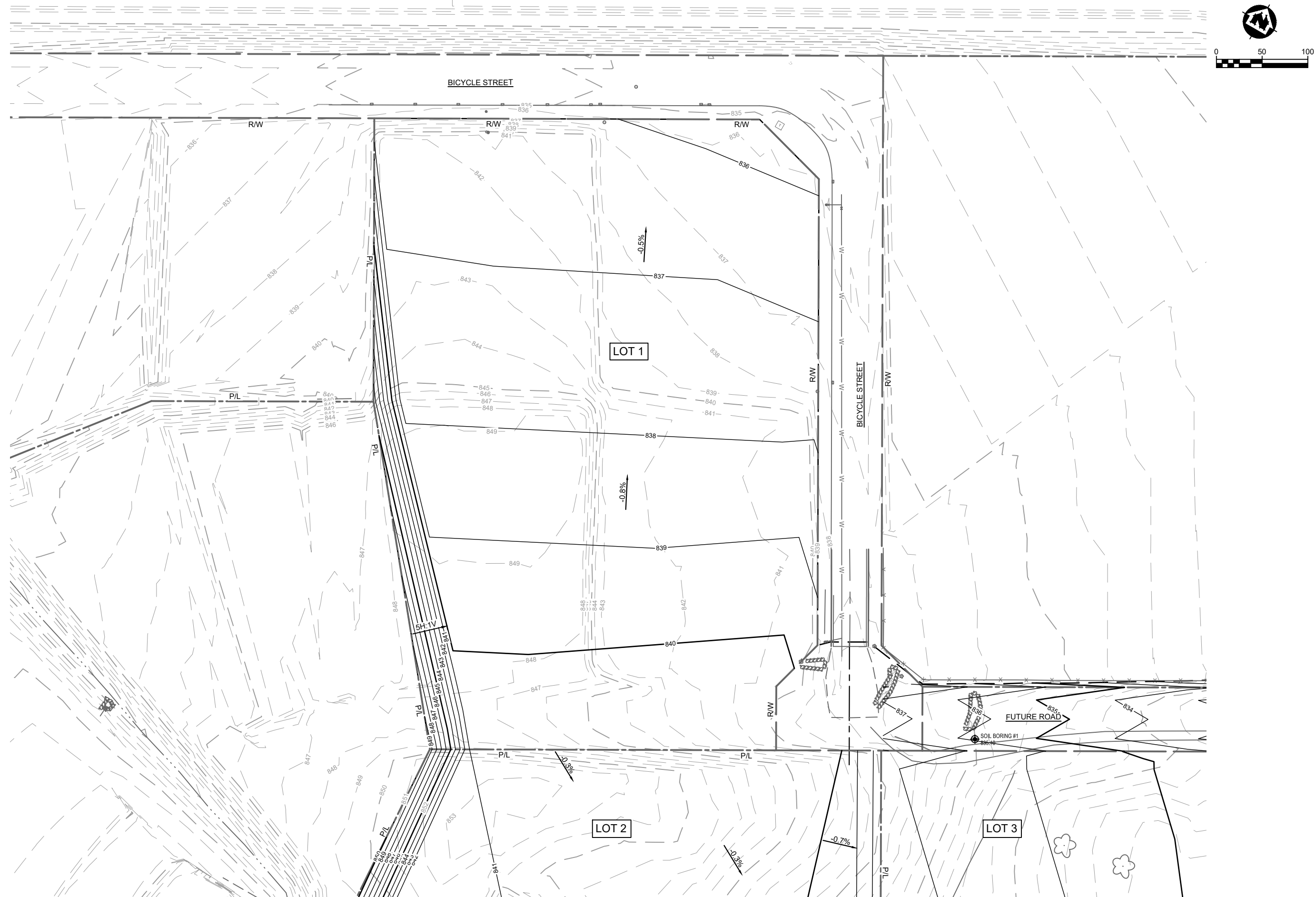


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OVERALL SITE PLAN

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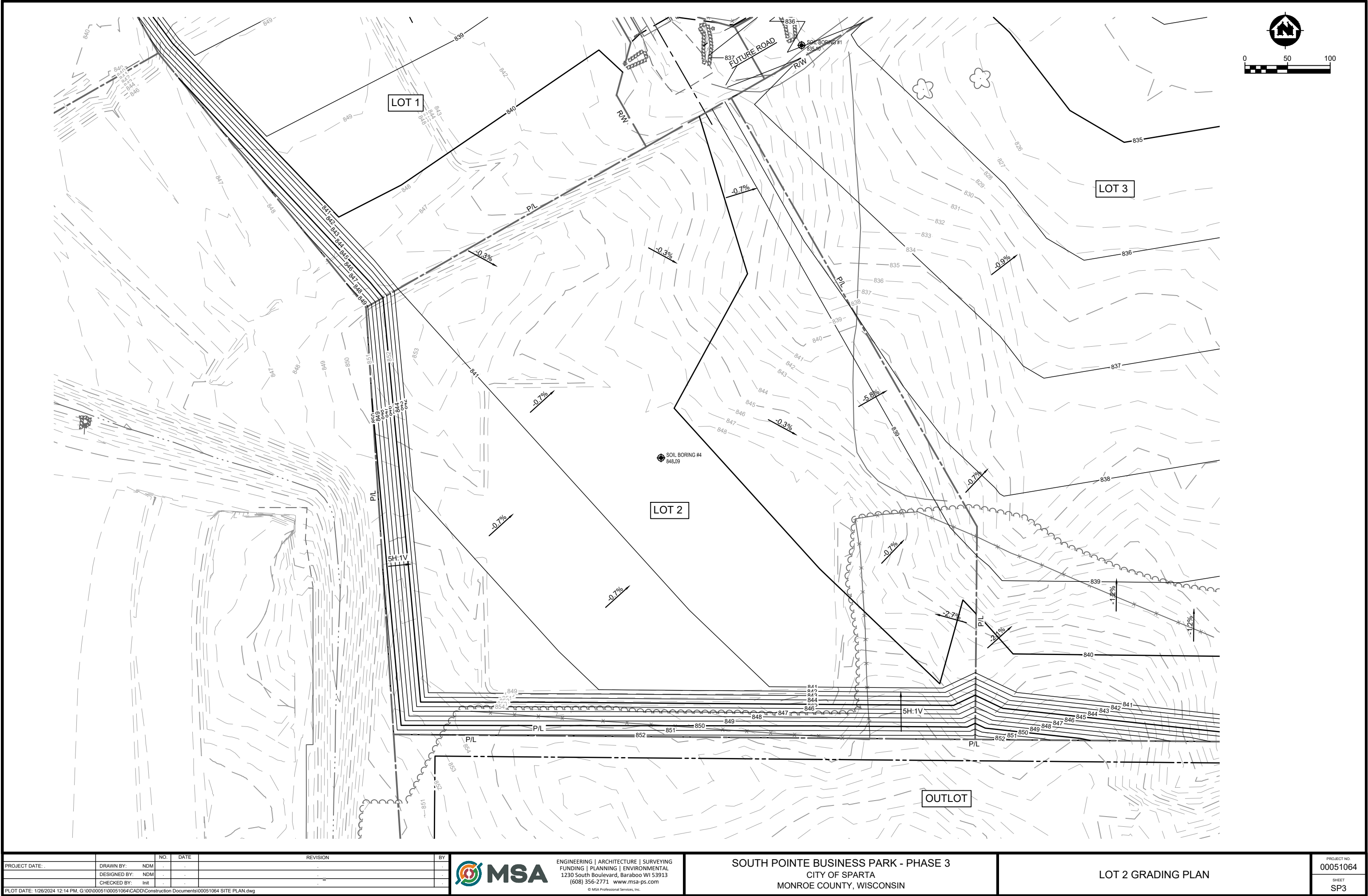


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LOT 1 GRADING PLAN

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SP2



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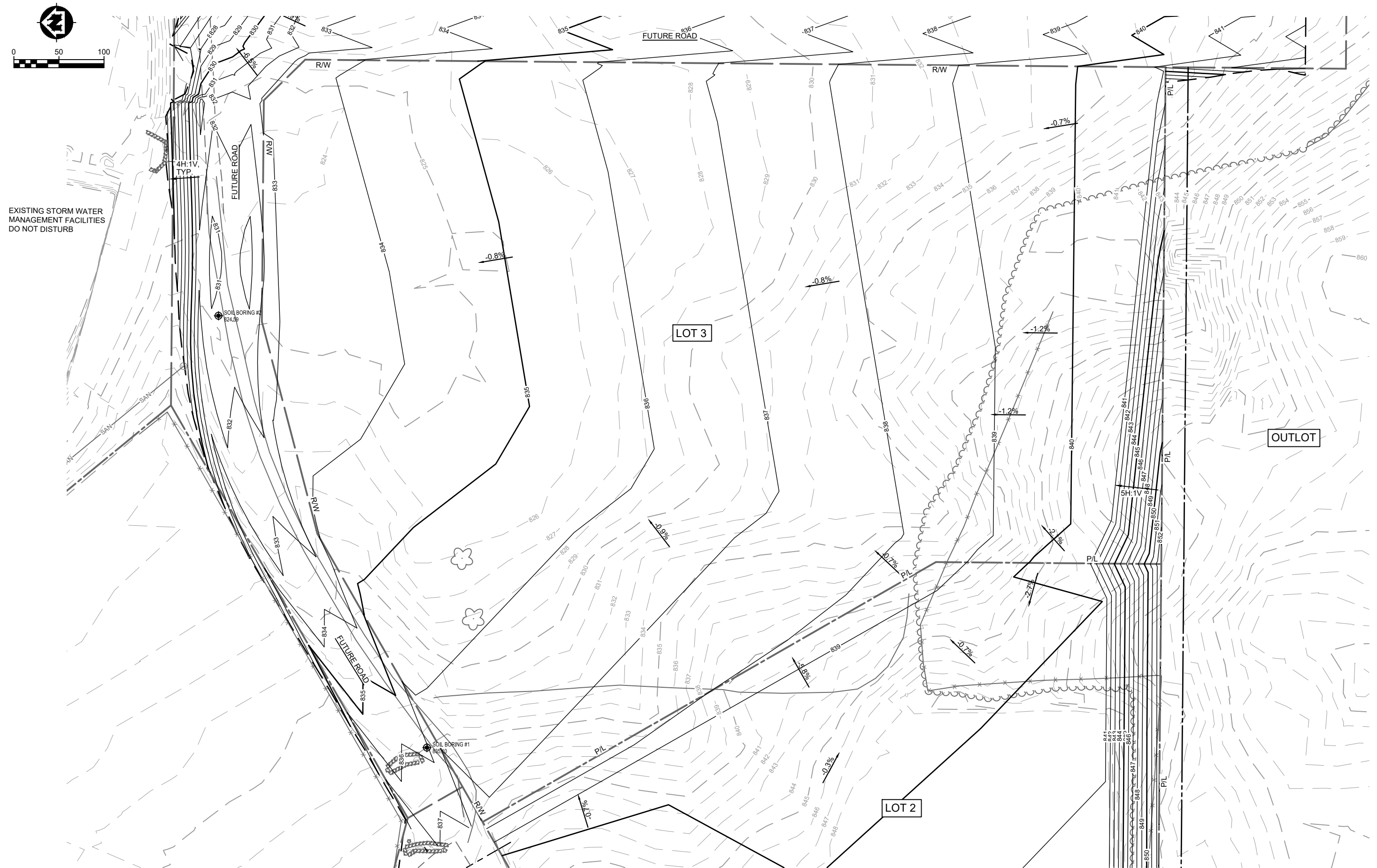


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LOT 2 GRADING PLAN

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SP3



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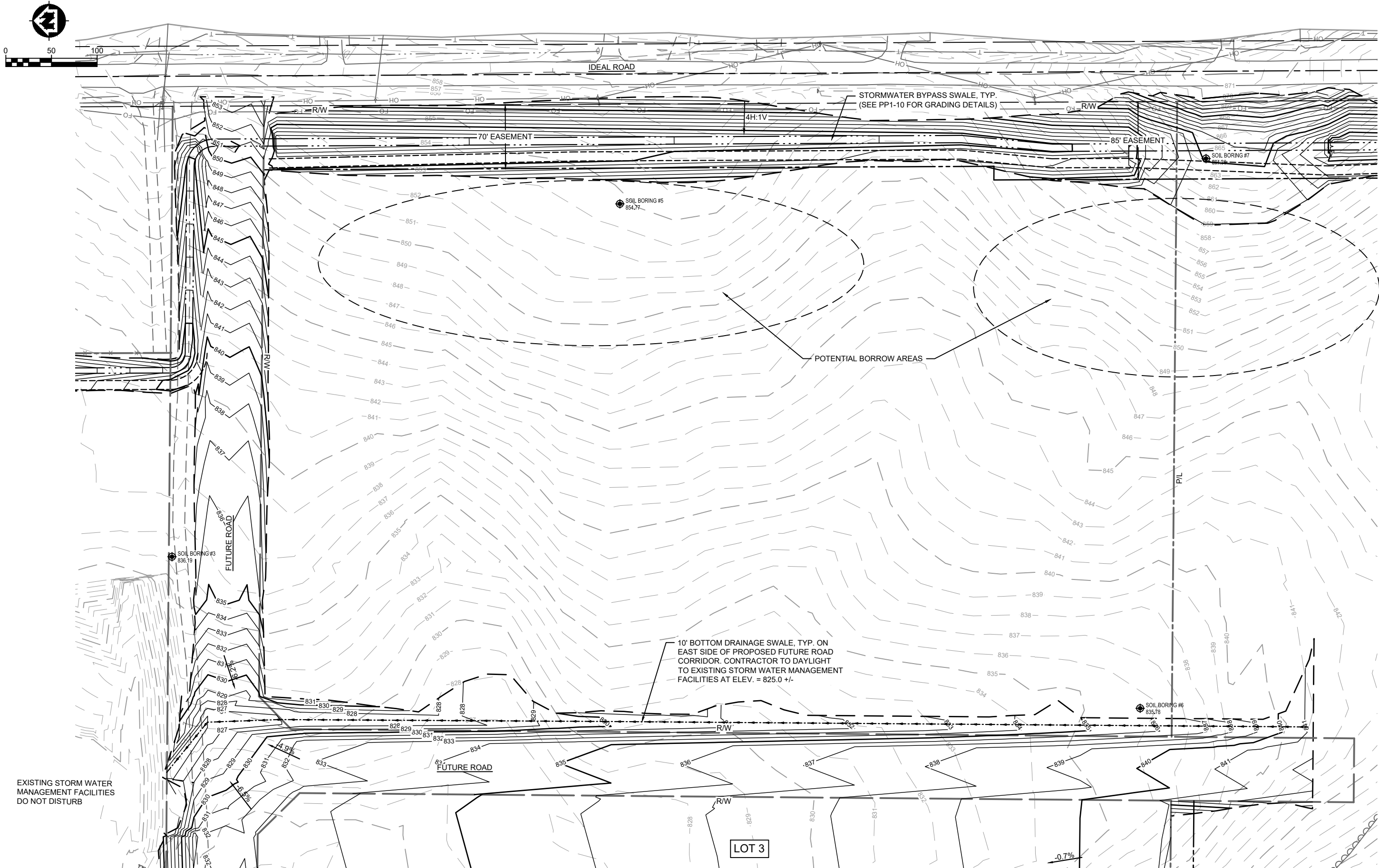
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LOT 3 GRADING PLAN

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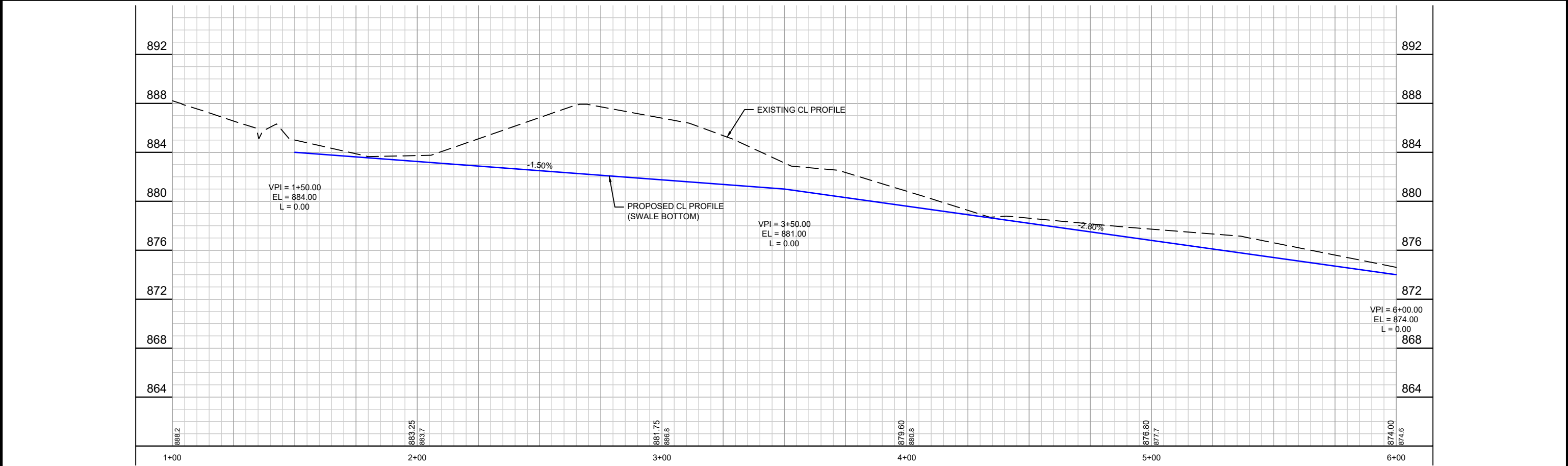
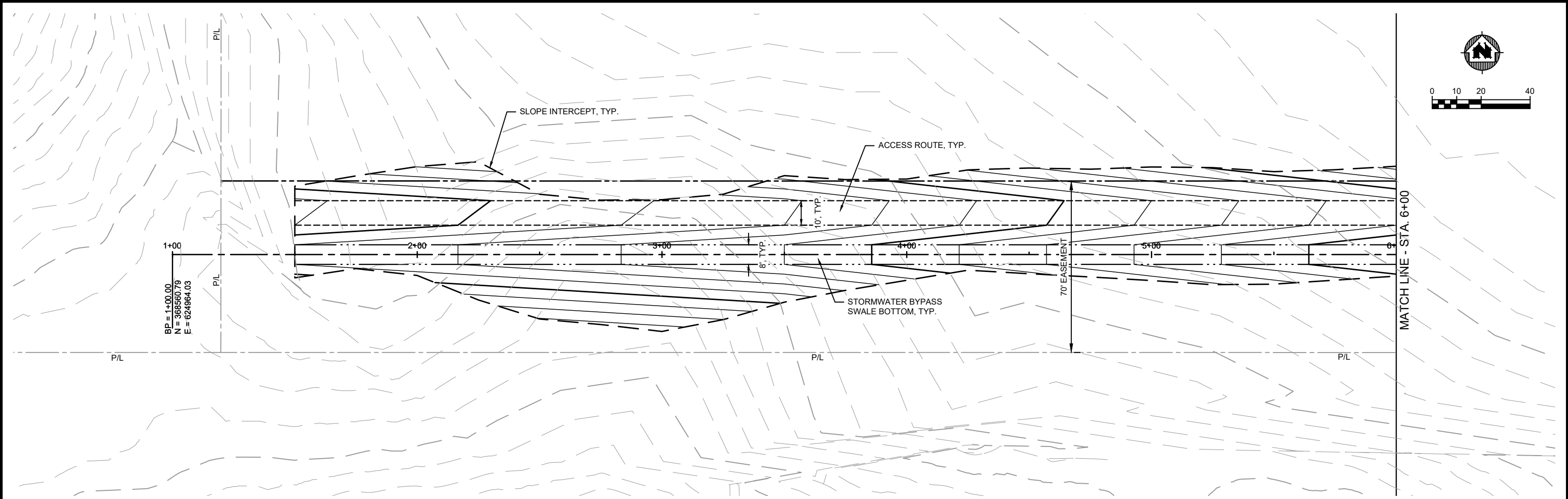


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FUTURE ROADWAY GRADING PLAN

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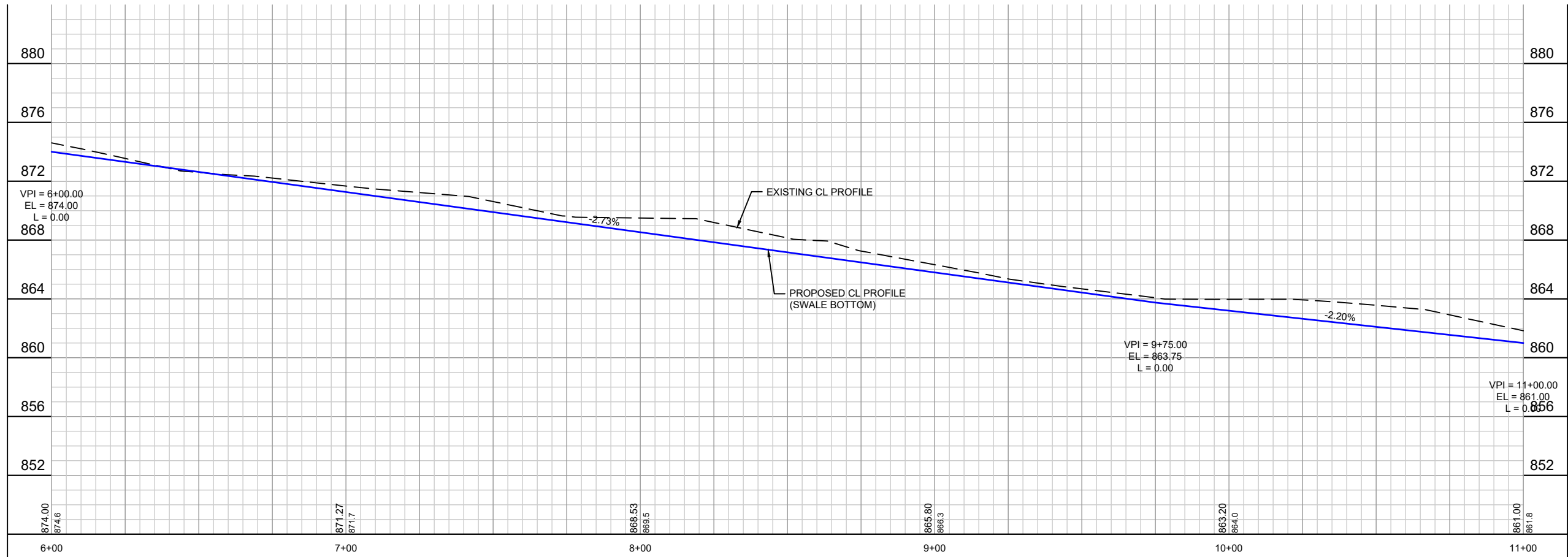
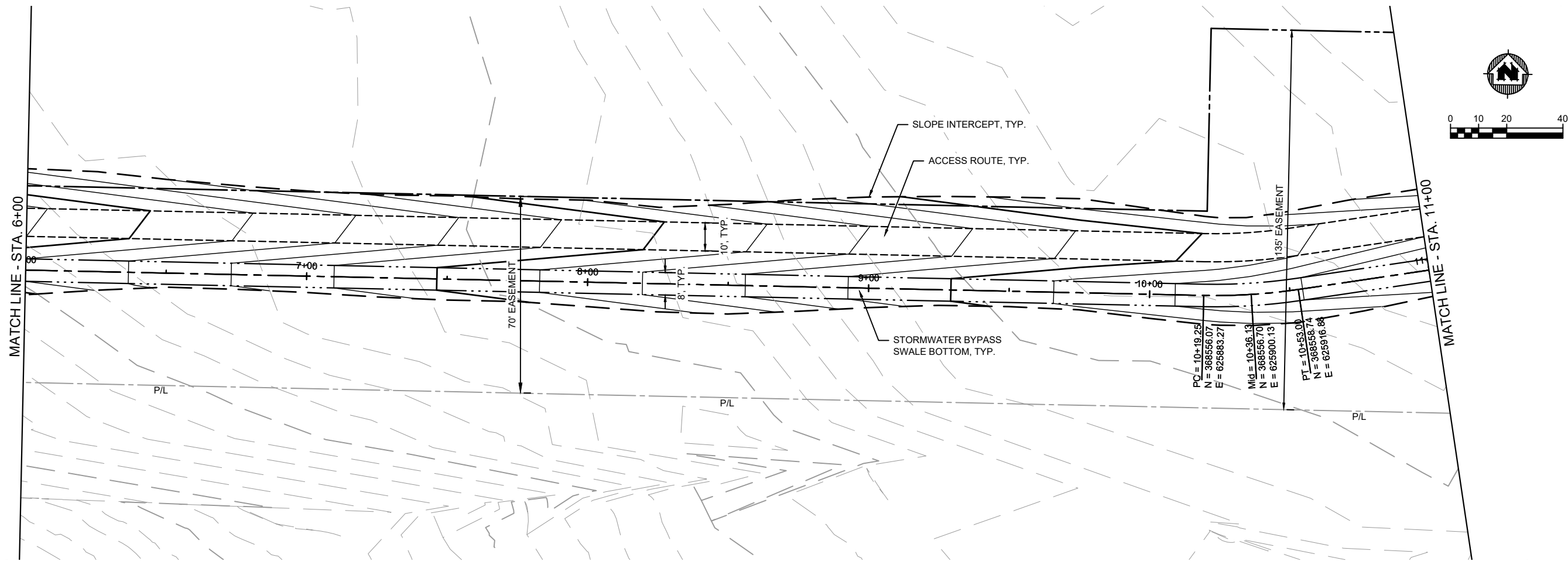


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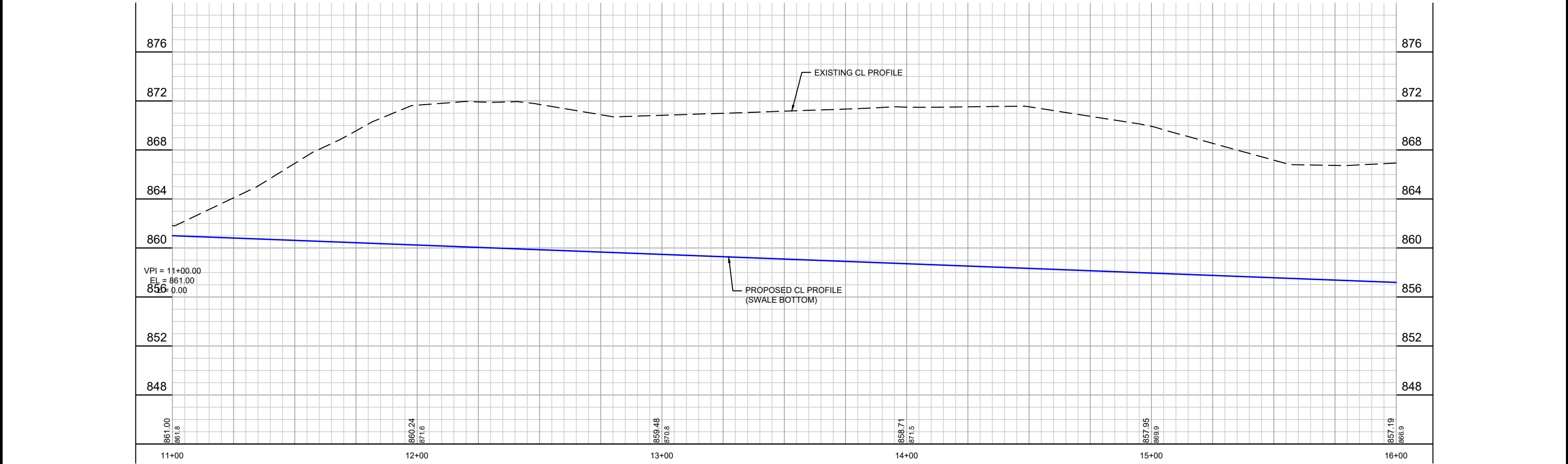
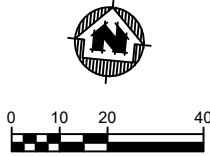
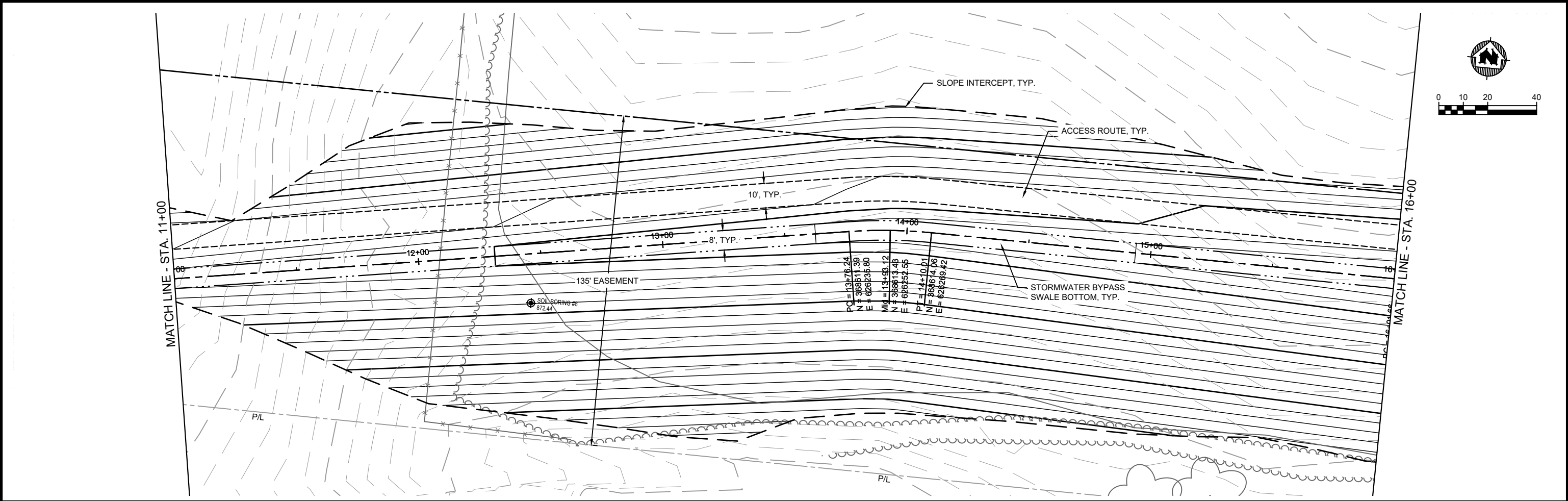


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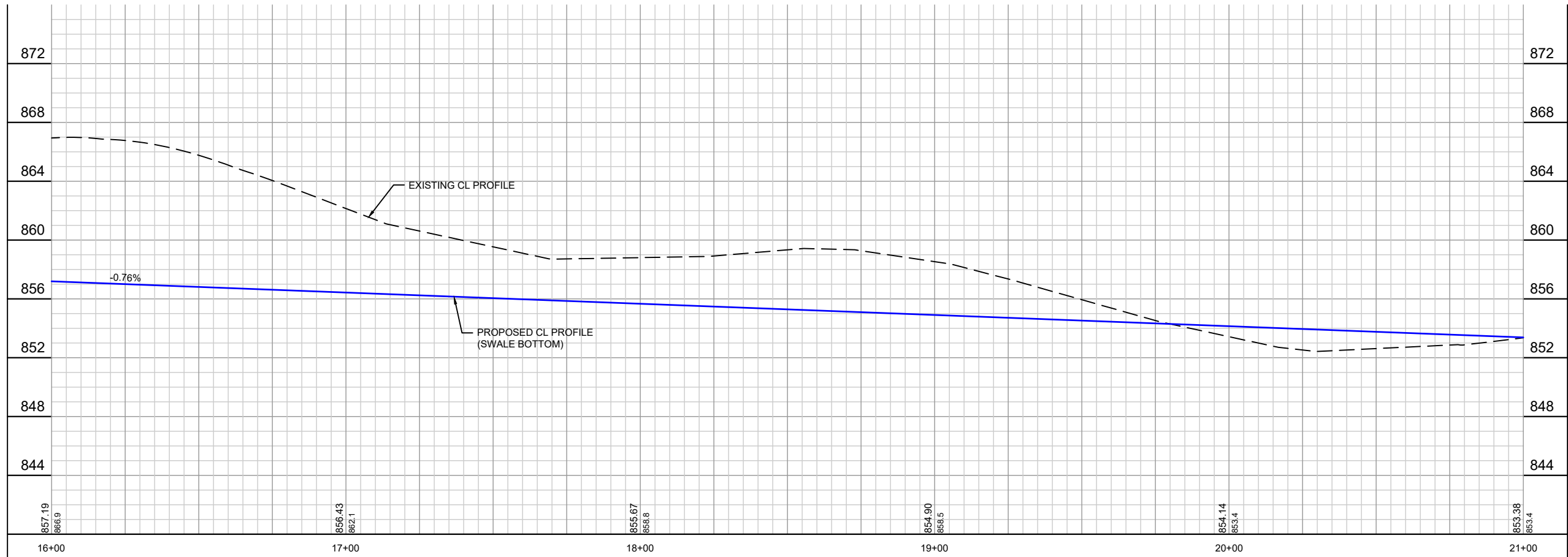
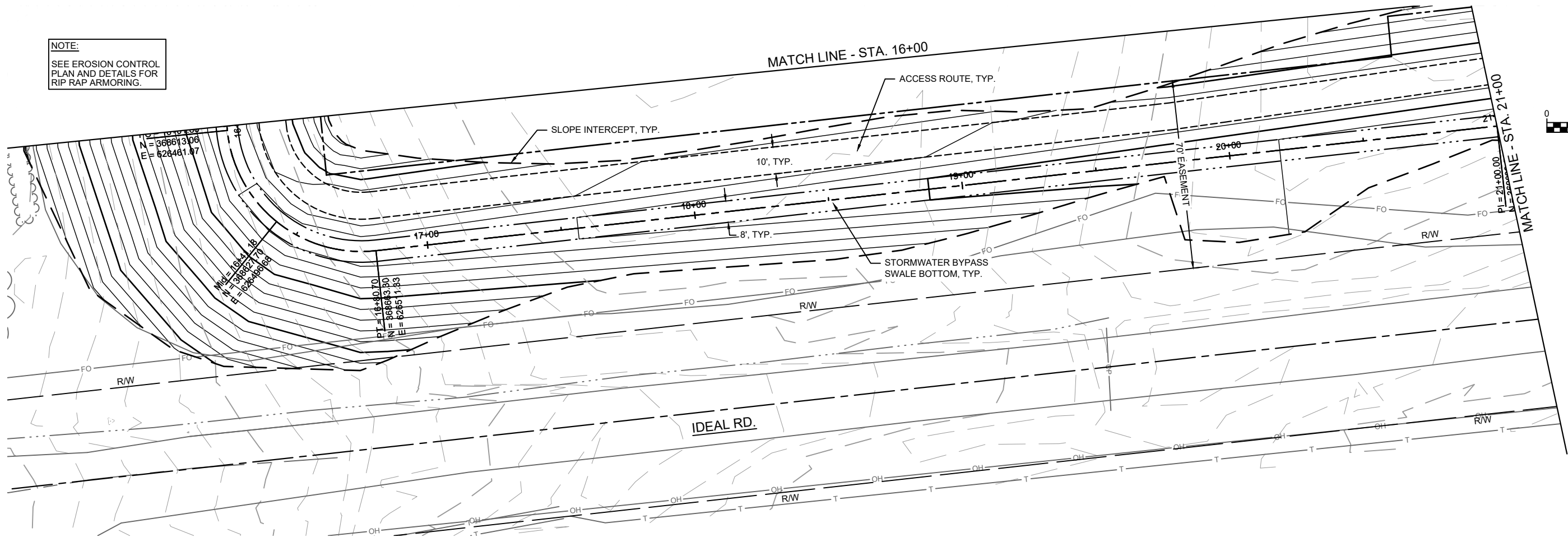
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NOTE:
SEE EROSION CONTROL
PLAN AND DETAILS FOR
RIP RAP ARMORING.



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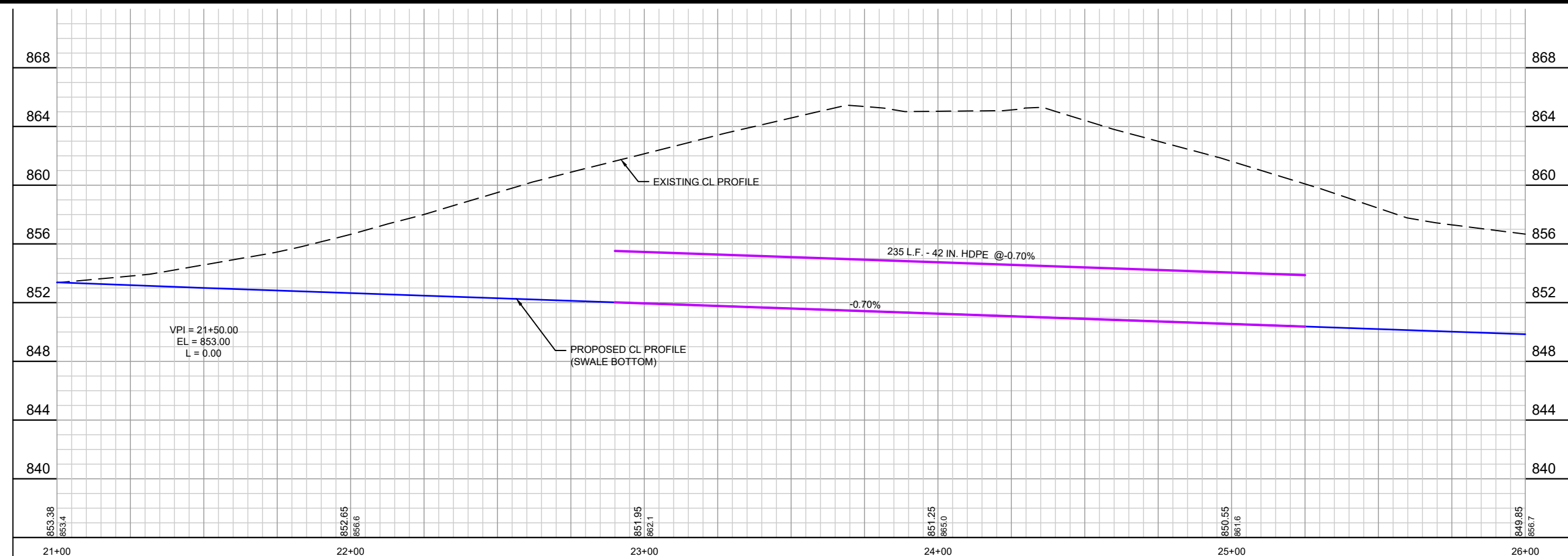
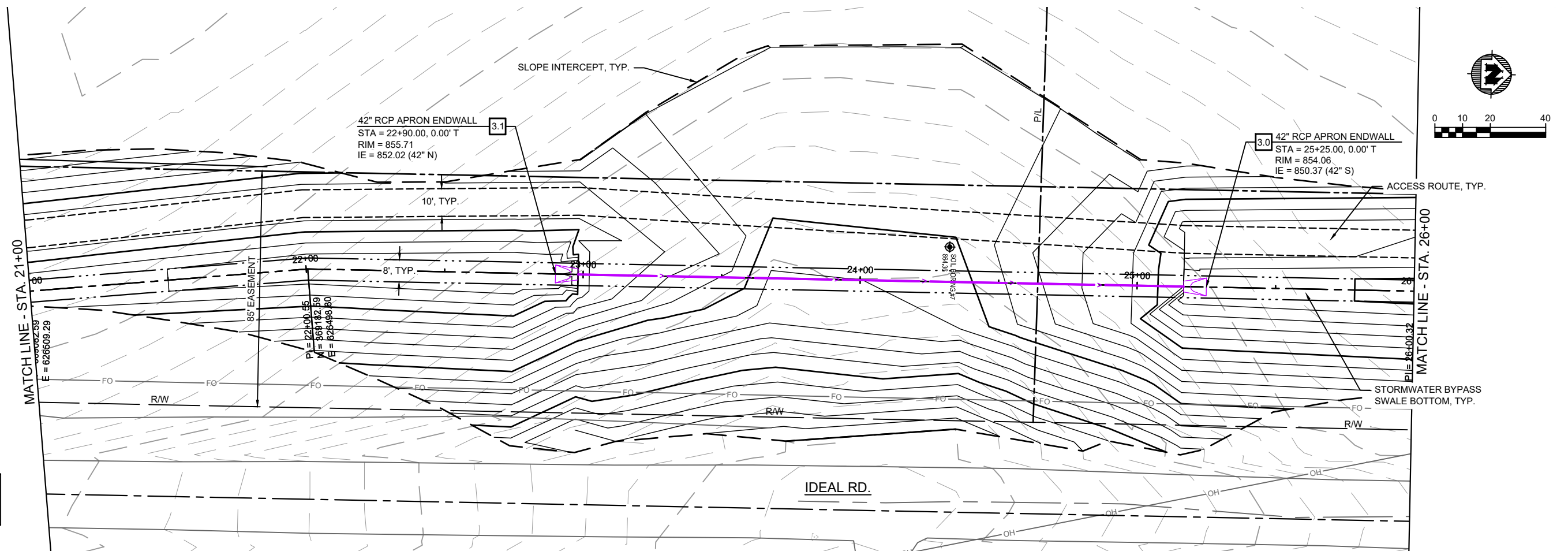


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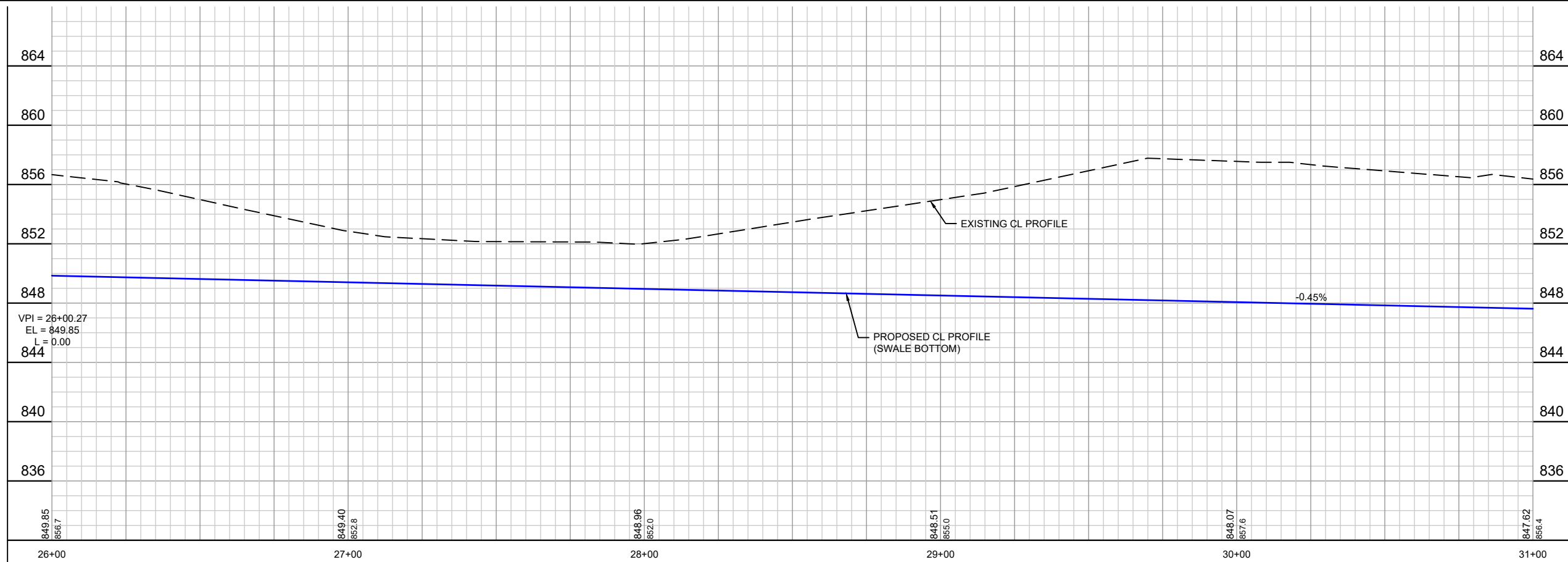
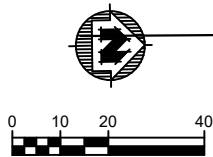
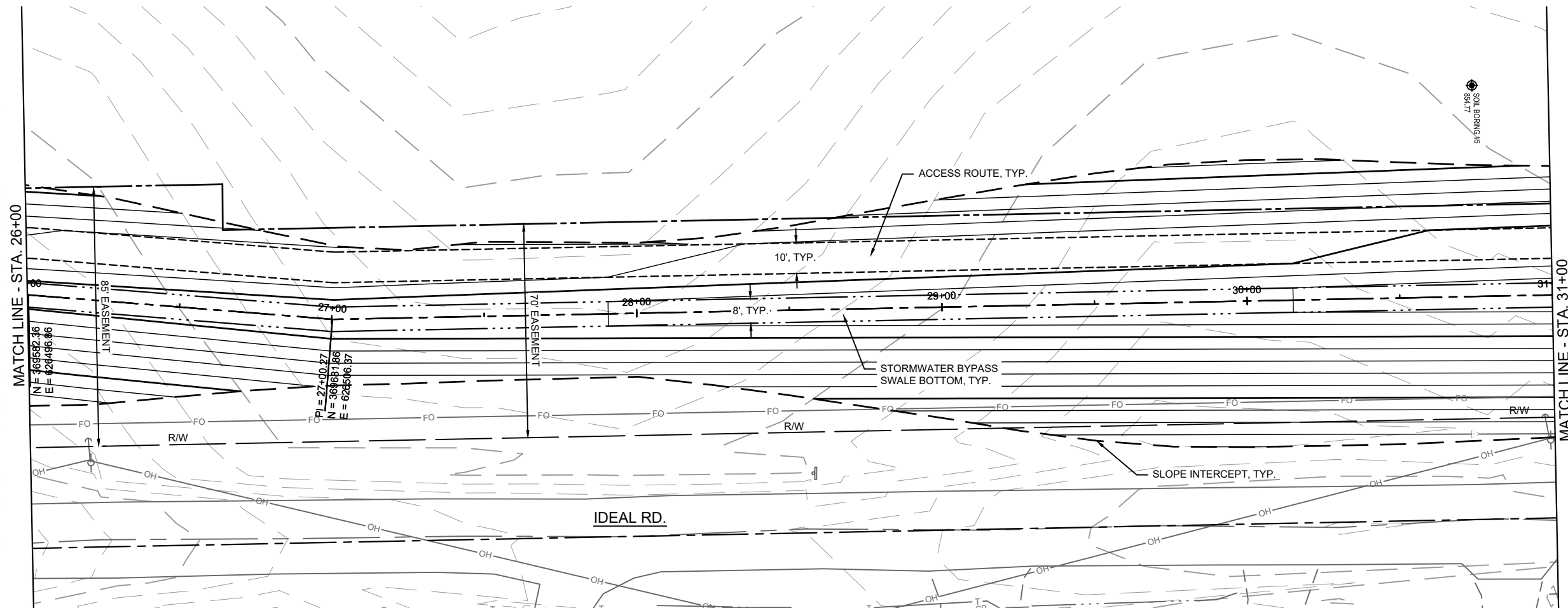
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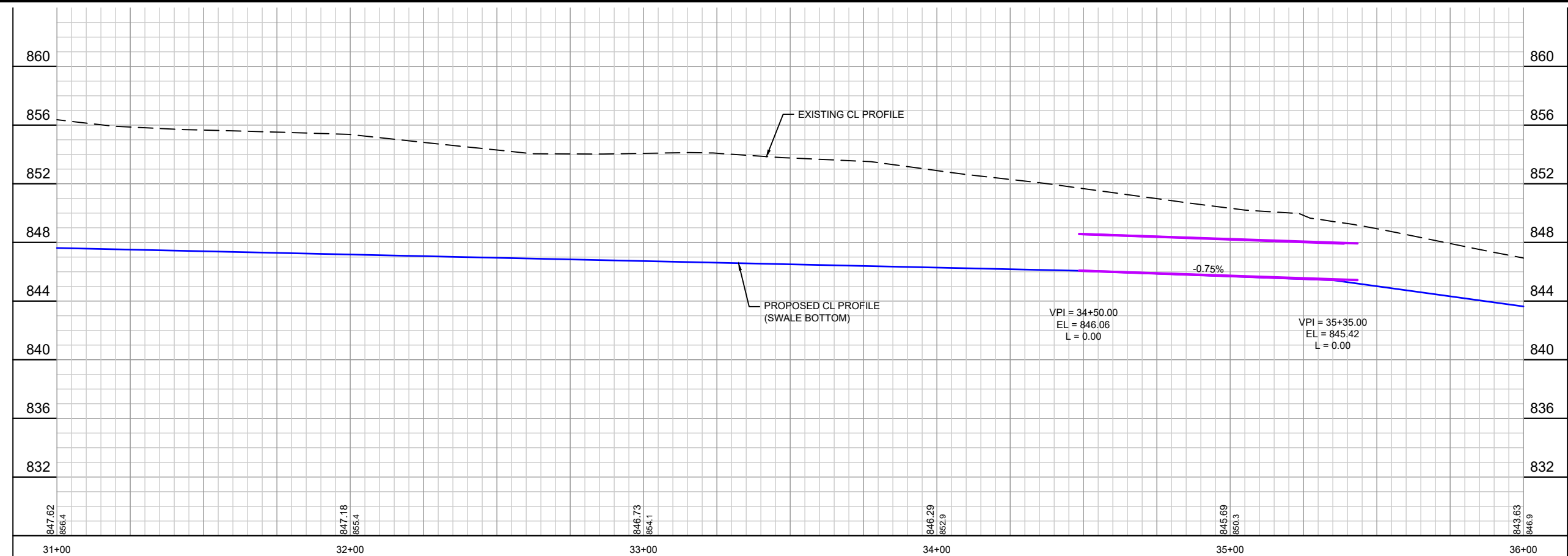
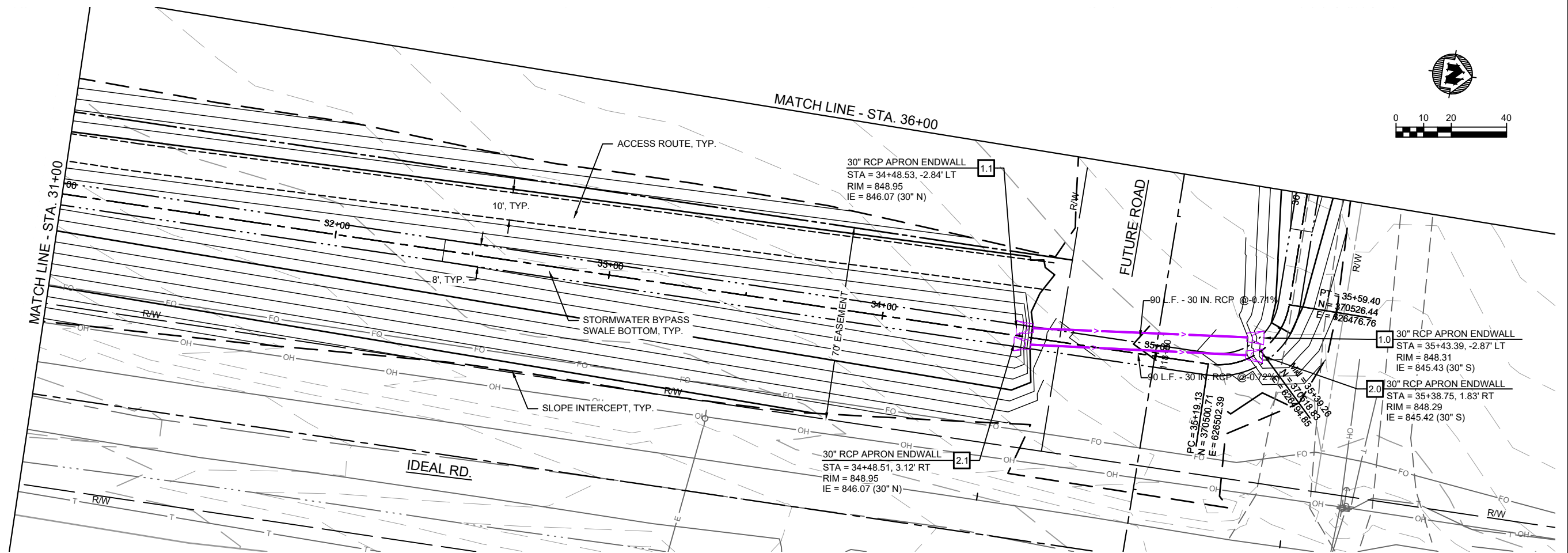


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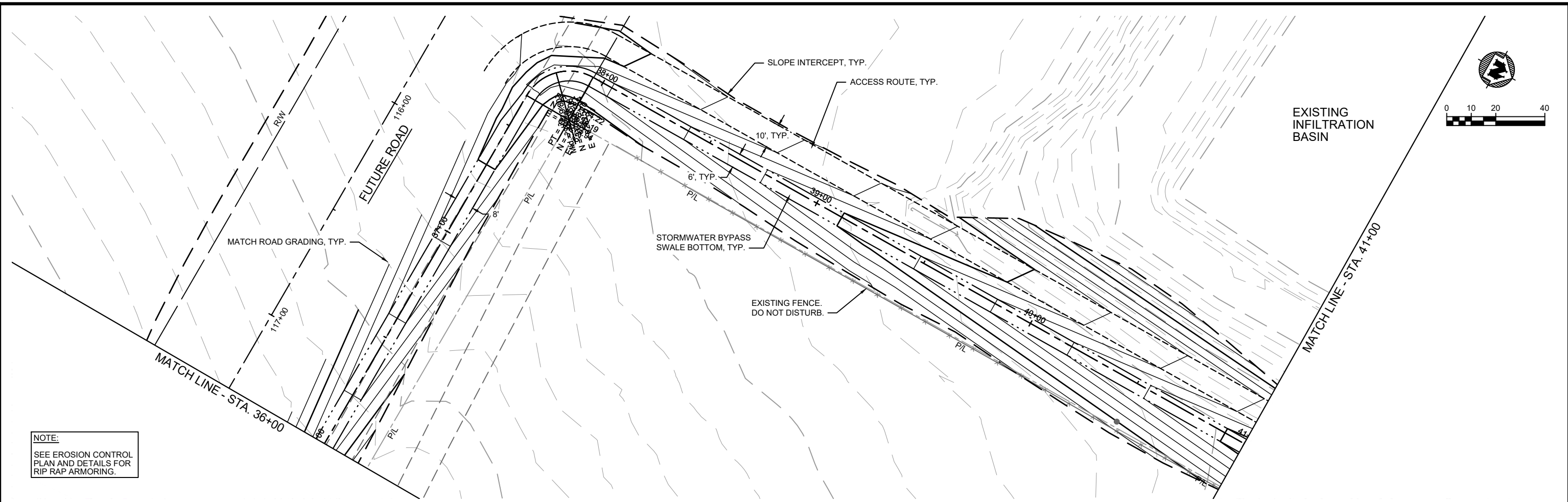


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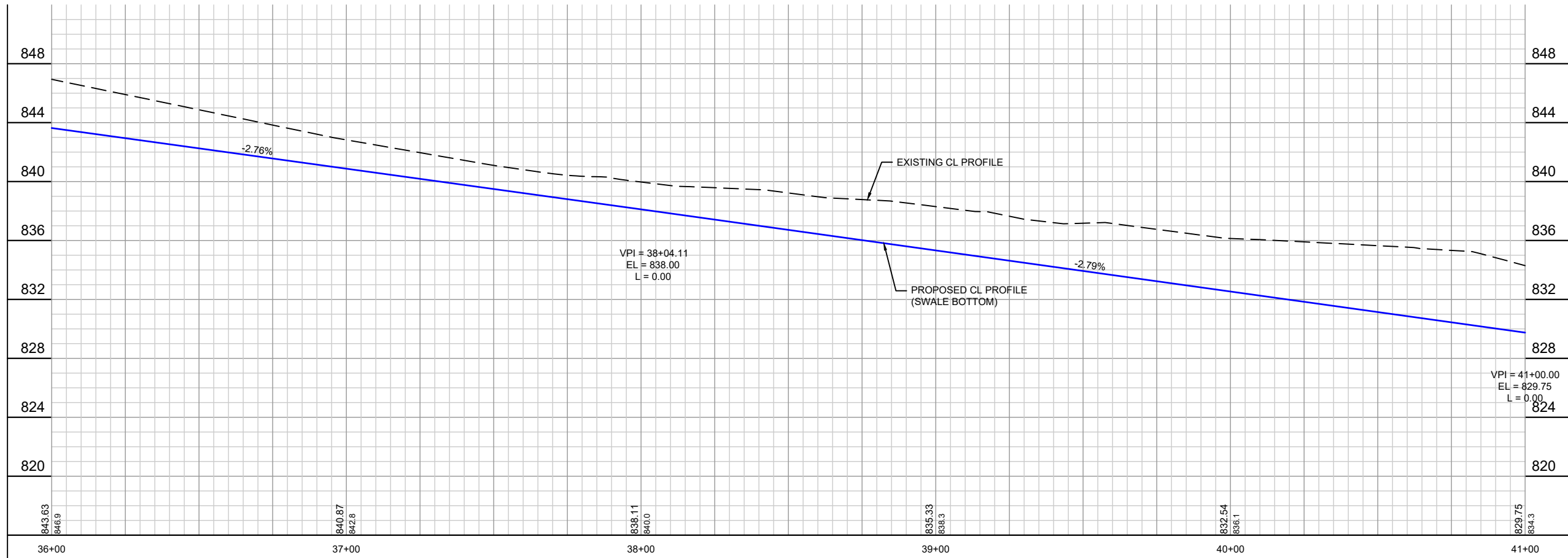
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NOTE:
SEE EROSION CONTROL
PLAN AND DETAILS FOR
RIP RAP ARMORING.



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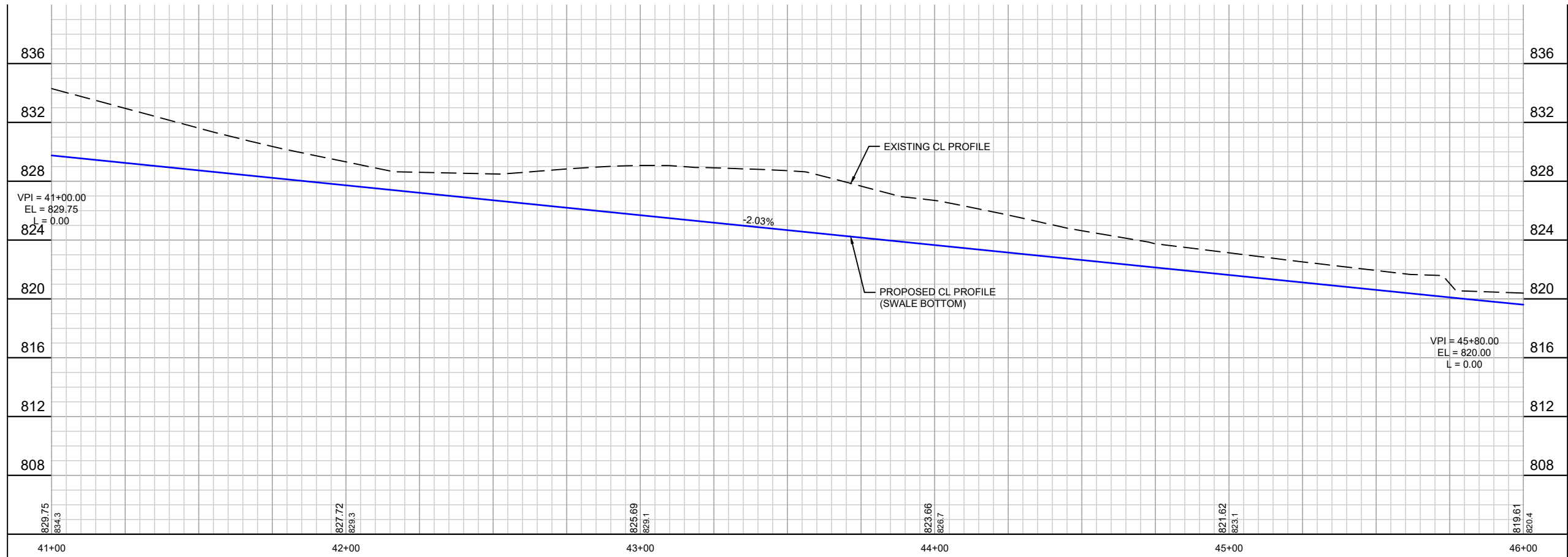
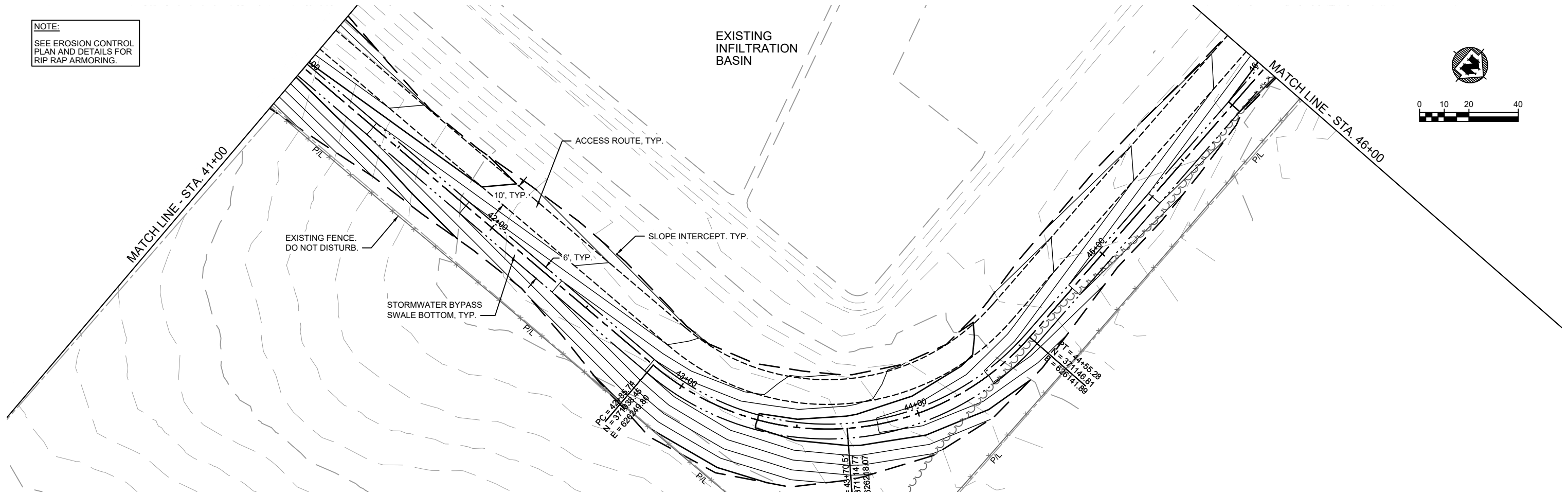
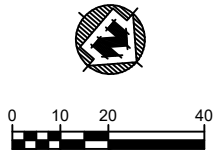
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NOTE:
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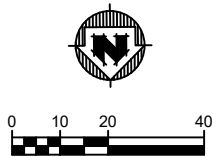


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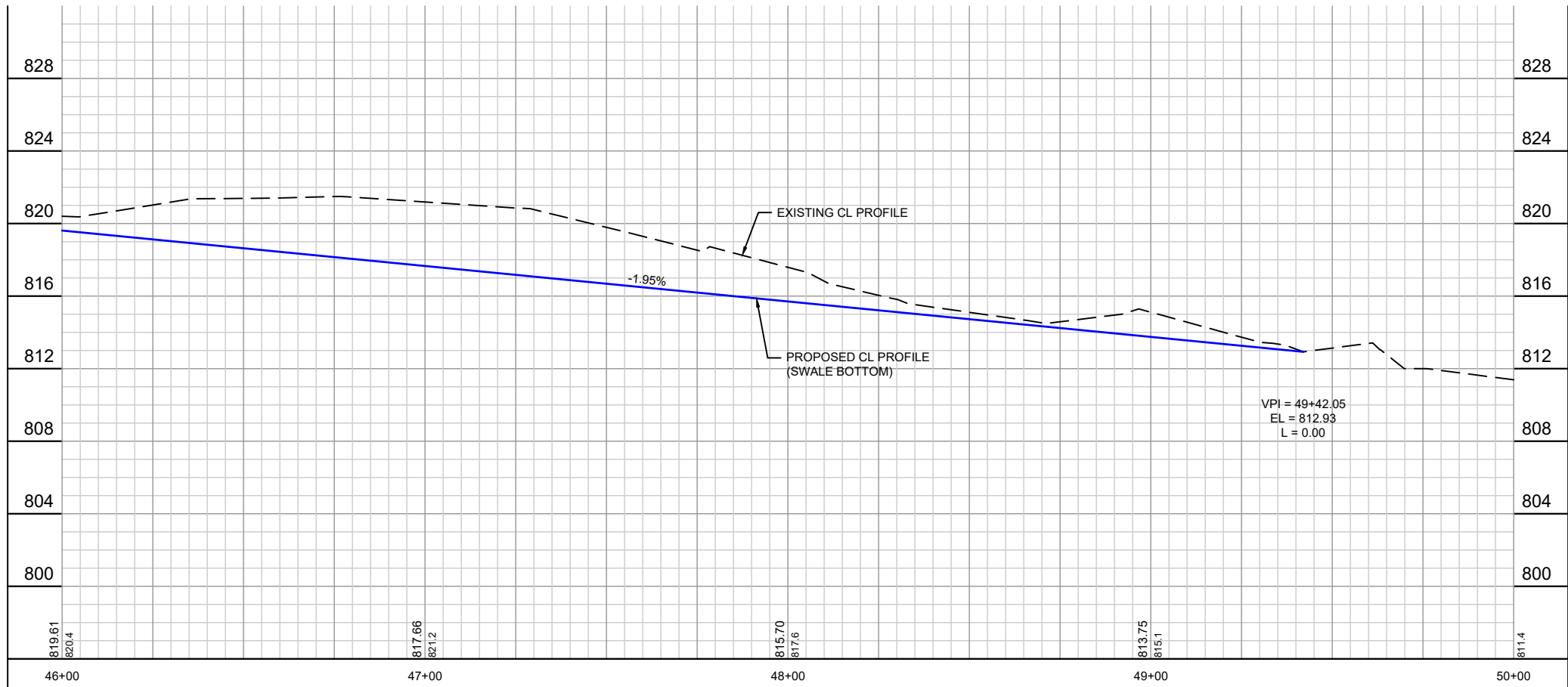
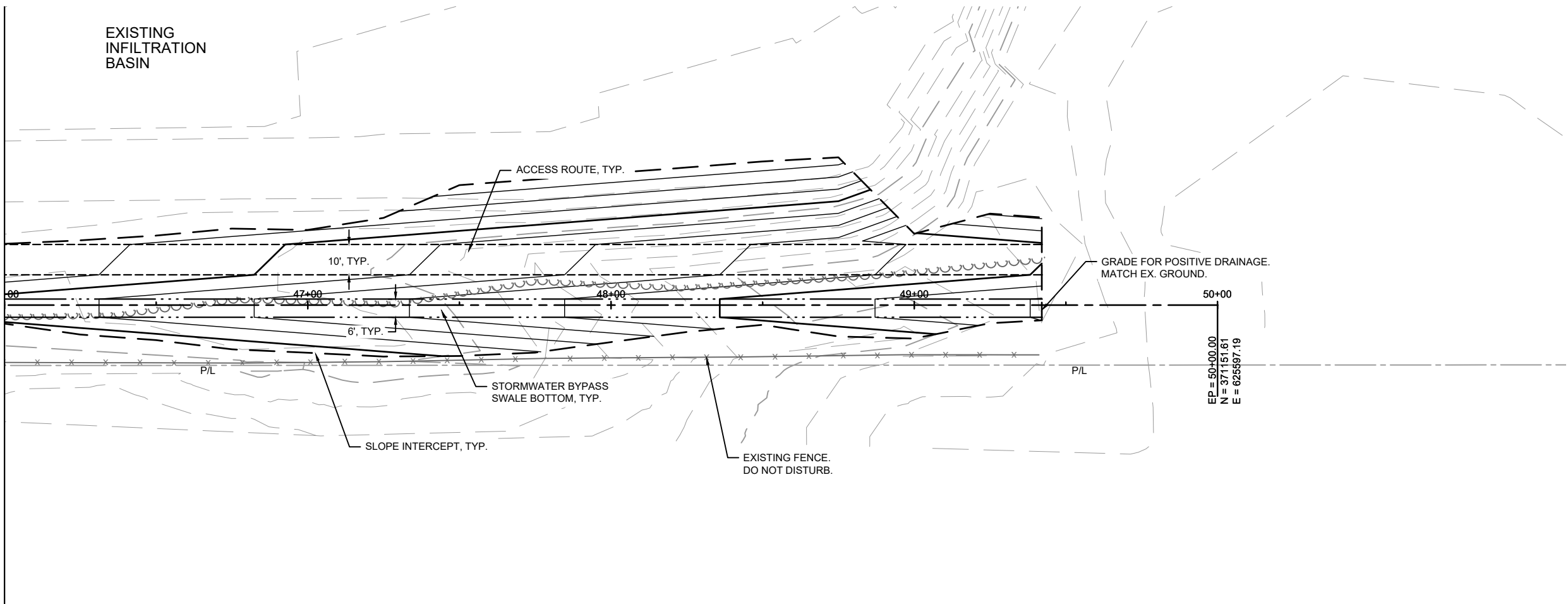
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MATCH LINE - STA. 46+00

EXISTING INFILTRATION BASIN



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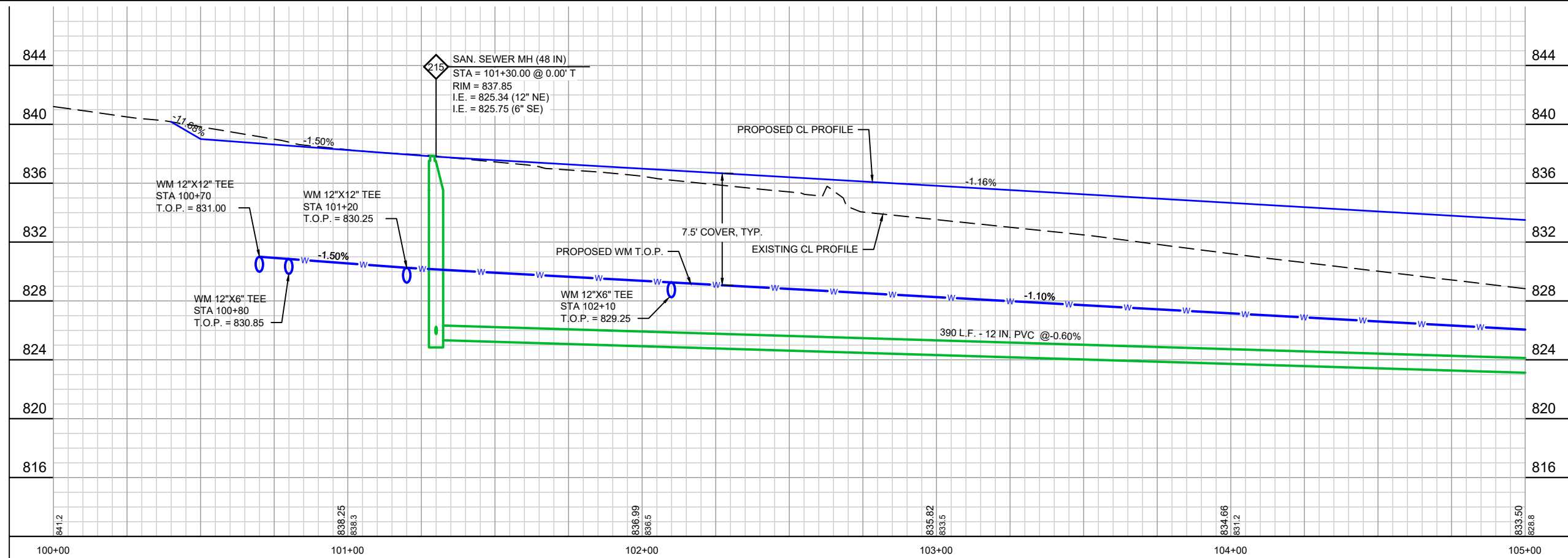
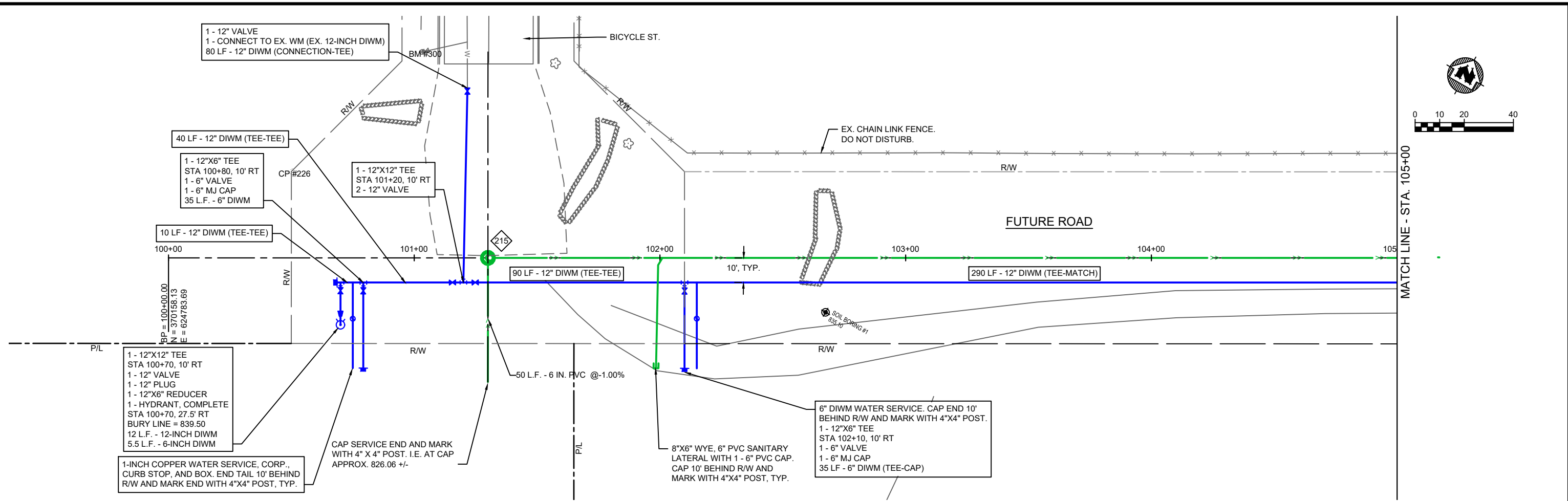


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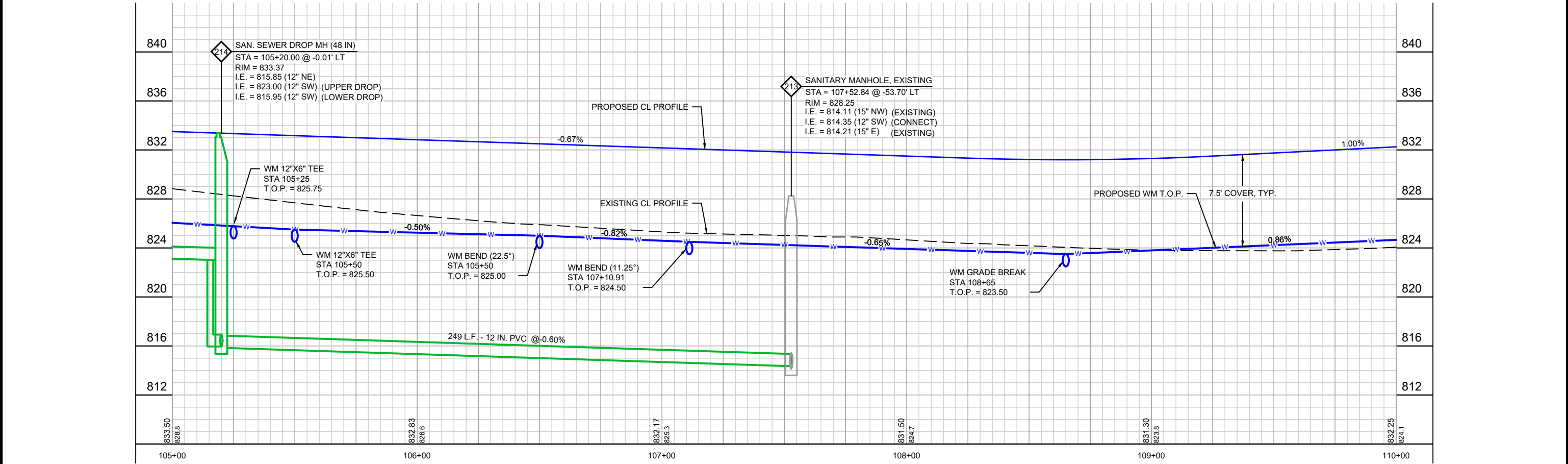
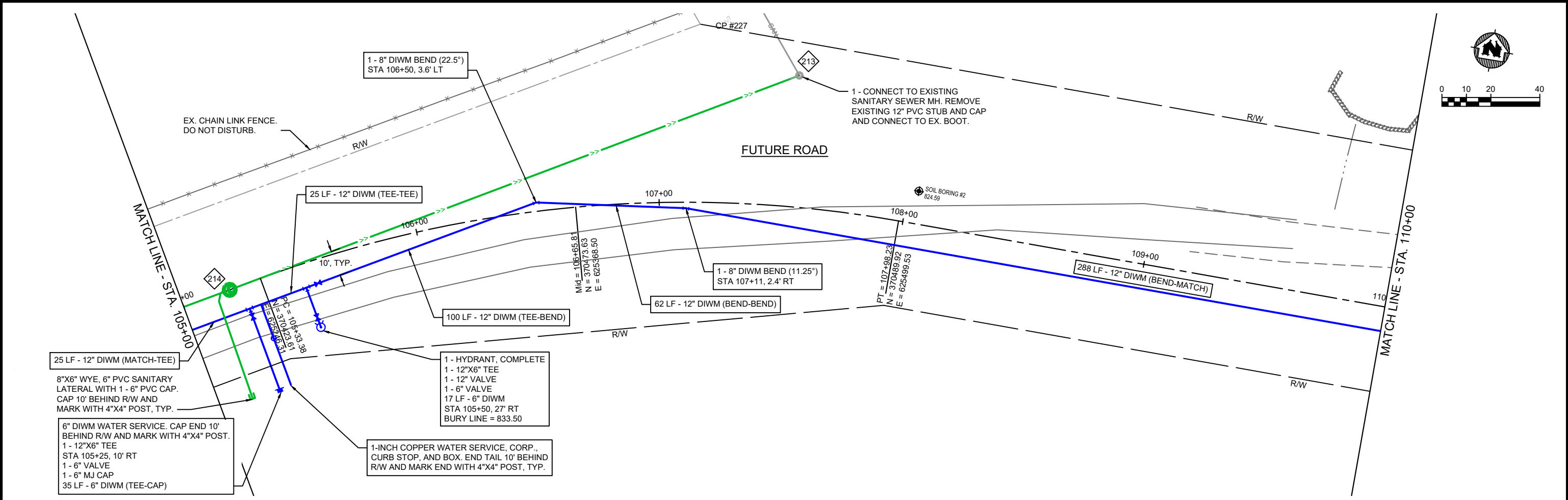


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PROJECT NO:
00051064
SHEET
PP11



PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
	NDM	-	-	-	-
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PLOT DATE: 1/25/2024 12:40 PM, G:\00\00051\00051064\CADD\Construction Documents\VFG - ROADWAY A CL PROP - (4) - (17).dwg					

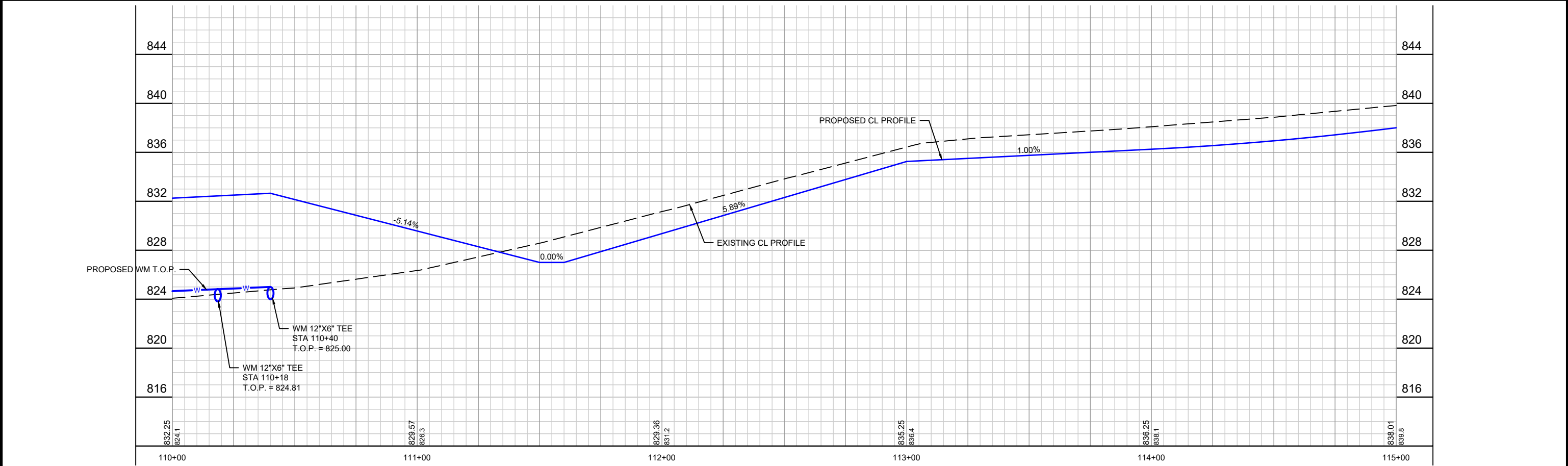
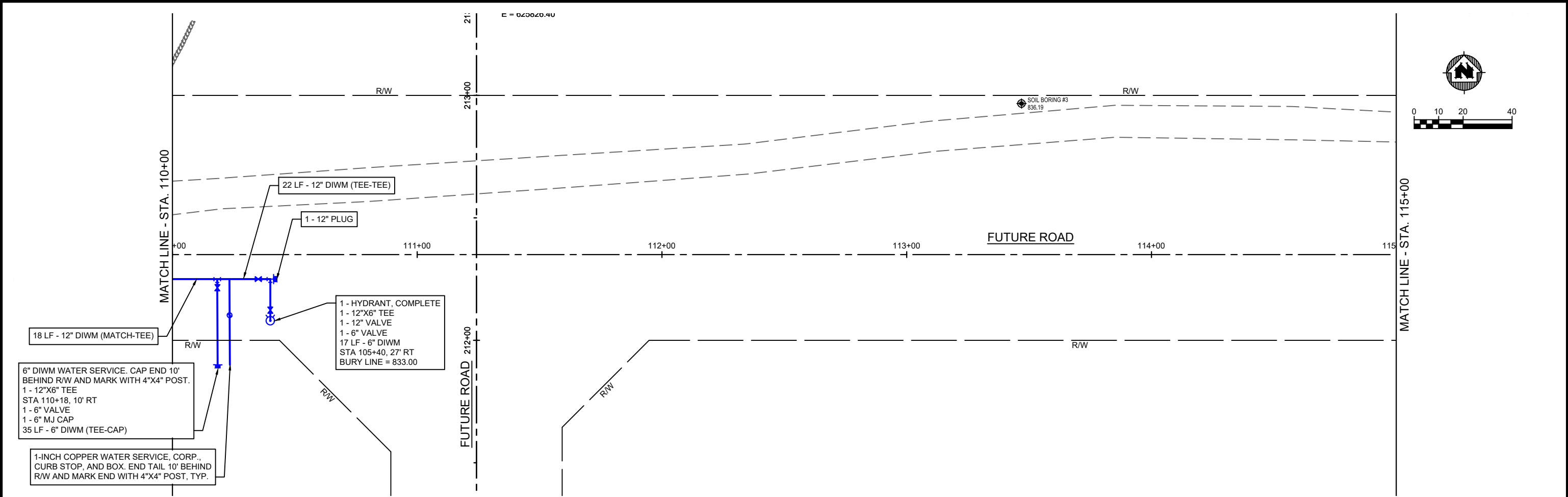


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PP12



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	DESIGNED BY:	NDM	-	-	-
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SHEET: PP13