

CITY OF RAMSEY
SECTION 01 UNPLATTED (S. CR 27) STREET RECONSTRUCTIONS
CITY IMPROVEMENT PROJECT NO. 26-07



GOVERNING SPECIFICATIONS

THE 2025 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

THE 2023 EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA "STANDARD SPECIFICATIONS" SHALL GOVERN FOR UTILITY INSTALLATIONS.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX

THIS PLAN CONTAINS 46 SHEETS

SHEET No. DESCRIPTION

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03	ALIGNMENT LAYOUT
04	TABULATIONS
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TC1 - TC2	TRAFFIC CONTROL PLANS

LEGEND

	SANITARY MANHOLE		EASEMENT - DRAINAGE & UTILITY
	STORM SEWER MANHOLE		SECTION LINE
	CATCH BASIN MANHOLE		LOT LINE
	CATCH BASIN		ELECTRIC LINE
	CULVERT END SECTION		ELECTRIC LINE - BURIED
	HYDRANT		ELECTRIC LINE - OVERHEAD
	VALVE		GAS LINE
	TREE - CONIFEROUS		TELECOMMUNICATION LINE
	TREE - DECIDUOUS		TELECOMM - OVERHEAD
	SHRUB		FIBER OPTIC LINE
	LIGHT POLE		TREE LINE
	SIGN		LANDSCAPE
	MAILBOX		RETAINING WALL
	PEDESTAL - TELECOM		TREE SAVE FENCE
	PEDESTAL - ELECTRIC		SILT FENCE
	HAND HOLE		WATERMAIN
	BITUMINOUS PAVEMENT		SANITARY SEWER
	DRIVE - BITUMINOUS		STORM SEWER
	DRIVE - CONCRETE		DRAIN TILE
	DRIVE - GRAVEL		LANDSCAPE - ROCK
	CONCRETE WALK		LANDSCAPE - MULCH
	VALLEY GUTTER		LANDSCAPE - RIP RAP
	SEEDING AREA		
	MILL BITUMINOUS PAVEMENT		
	CURB & GUTTER		
	SAWCUT FULL DEPTH		
	FULL-DEPTH RECLAMATION		
	REMOVE PAVEMENT BITUMINOUS		
	REMOVE PAVEMENT CONCRETE		
	REMOVE GRAVEL		
	REMOVE CONCRETE CURB & GUTTER		
	REMOVE BITUMINOUS CURB & GUTTER		

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

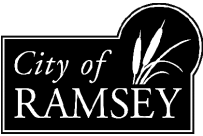
JOE FERIANCEK, P.E.
ASSISTANT CITY ENGINEER

57095 DATE 12/30/25
LIC. NO.

DATE	REVISION
03/19/26	ADD TRAFFIC CONTROL PLANS

SHEET 01 OF 46 SHEETS

0 150 300 450
SCALE (FEET)



CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002



Call before you dig
811
651 454-0002 Metro
800 252-1166 Outstate
www.gopherstateonecall.org

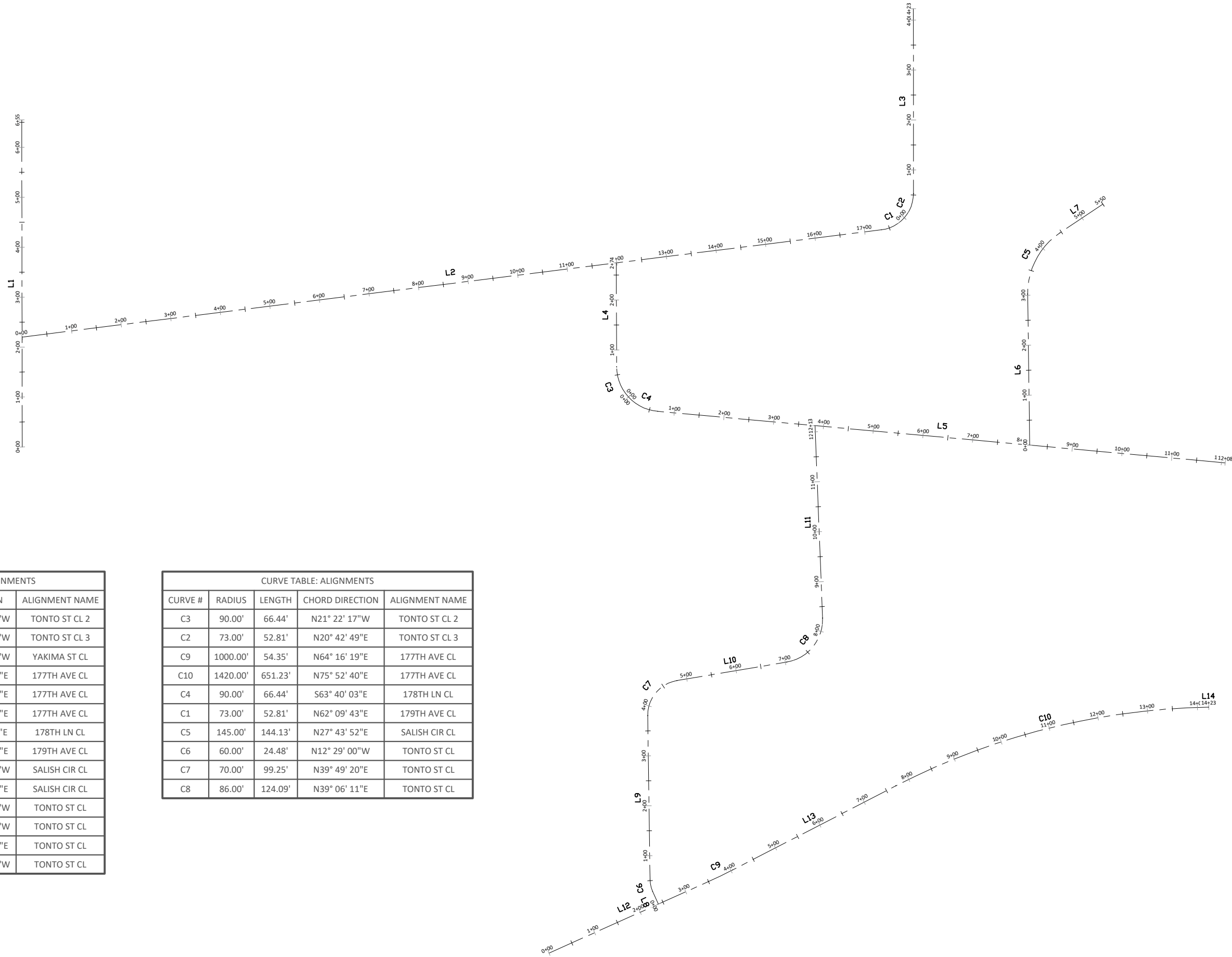
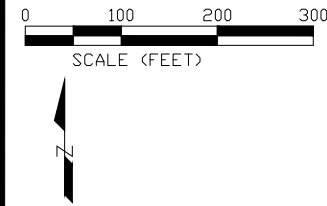
IP 26-07 SECTION 01 UNPLATTED					
Engineer Estimate 12/30/25					
Item No.	MnDOT No.	Note	Item Description	Unit	Quantity
1	2021.501		MOBILIZATION	LS	1
2	2101.505		CLEARING	ACRE	0.2
3	2101.505		GRUBBING	ACRE	0.2
4	2104.502	11	SALVAGE MAIL BOX SUPPORT	EA	46
5	2104.503		REMOVE STORM SEWER	LF	555
6	2104.503	1	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	750
7	2104.503	1	SAWING CONCRETE PAVEMENT - FULL DEPTH	LF	230
8	2104.503	1	REMOVE BITUMINOUS CURB	LF	3150
9	2104.504	1	REMOVE BITUMINOUS PAVEMENT - DRIVEWAYS	SY	530
10	2104.504	1	REMOVE CONCRETE PAVEMENT - DRIVEWAYS	SY	240
11	2104.504	1	REMOVE GRAVEL SURFACE - DRIVEWAYS	SY	130
12	2104.504	1	REMOVE BITUMINOUS FLUME	SY	15
13	2104.507		REMOVE RIPRAP	CY	16
14	2105.507		GEOTEXTILE FABRIC TYPE 4	SY	180
15	2105.607	2,14	COMMON EXCAVATION (EV)	CY	1600
16	2105.607		SUBGRADE EXCAVATION, REMOVE UNSUITABLE MATERIALS (EV)	CY	5700
17	2106.507		SELECT GRANULAR BORROW (CV)	CY	4600
18	2106.607	8	HAUL & STOCKPILE RECLAIM MATERIAL (LV)	CY	4700
19	2112.519		SUBGRADE PREPARATION	RDST	75
20	2123.610		STREET SWEEPER (WITH PICKUP BROOM)	HOURL	20
21	2130.523		WATER FOR DUST CONTROL	MGAL	50
22	2211.507	2	AGGREGATE BASE CLASS 5 - MODIFIED (CV)	CY	3450
23	2215.504		FULL DEPTH RECLAMATION	SY	20100
24	2232.504		MILL BITUMINOUS PAVEMENT (2.0")	SY	50
25	2357.506	4	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1450
26	2360.509	5	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C) 2.0"	TON	2350
27	2360.509	5	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) 1.5"	TON	1750
28	2360.509	5	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) DRIVEWAYS	SY	500
29	2411.502		CONCRETE FLUME	SY	24
30	2501.502		15" RC PIPE APRON	EA	14
31	2501.502		18" RC PIPE APRON	EA	10
32	2501.502		18" CMP APRON	EA	2
33	2501.503	12	15" RC PIPE SEWER DESIGN 3006 CLASS III	LF	304
34	2501.503	12	18" RC PIPE SEWER DESIGN 3006 CLASS III	LF	220
35	2501.503		18" CMP PIPE CULVERT	LF	18
36	2501.602		TRASH GUARD FOR 18" PIPE APRON	EA	10
37	2503.503		CLEAN AND VIDEO SEWER	LF	686
38	2506.502		CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	EA	4
39	2506.502		CASTING ASSEMBLY (STORM)	EA	4
40	2511.509		RANDOM RIPRAP CLASS III	CY	45
41	2531.503		CONCRETE CURB & GUTTER DESIGN SURMOUNTABLE	LF	1910
42	2531.504		6" CONCRETE PAVEMENT DRIVEWAY	SY	250
43	2531.504		GRAVEL SURFACE	SY	120
44	2540.602	13	TEMPORARY MAIL BOX CLUSTER	EA	3
45	2540.602	11	INSTALL MAIL BOX SUPPORT	EA	46
46	2563.601	7	TRAFFIC CONTROL	LS	1
47	2573.501		STABILIZED CONSTRUCTION ENTRANCE	EA	4
48	2573.502		STORM DRAIN INLET PROTECTION	EA	4
49	2573.503		SEDIMENT CONTROL LOG TYPE STRAW	LF	3560
50	2573.503		SILT FENCE, TYPE MS	LF	7870
51	2574.507	3,9	TOPSOIL (LV)	CY	1950
52	2575.501	6	TURF ESTABLISHMENT	ACRE	2.5
53	2575.504		ROLLED EROSION PREVENTION CATEGORY 20	SY	820
54	2575.505	15	MOWING	ACRE	5
55	2575.505	17	WEED SPRAYING	ACRE	1.25
56	2575.506	16	WEED SPRAY MIXTURE	GAL	1
57	2575.523		WATER FOR RESTORATION	MGAL	20
58	2575.601	18	IRRIGATION REPAIRS	EA	15
59	2575.602	10	LANDSCAPE RESTORATION	EA	6

PAY ITEM NOTES:

1. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY CITY STAFF.
2. EV TO CV CONVERSION FACTOR = 1.25.
3. EV TO CV CONVERSION FACTOR = 1.30.
4. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 0.07 GAL/SY.
5. ESTIMATED QUANTITY BASED ON APPLICATION RATE OF 113 LB/SY-IN.
6. TURF ESTABLISHMENT INCLUDES SEEDING, SEED MIXTURES, FERTILIZER AND OTHER SOIL AMENDMENTS. SEED SHALL BE MNDOT RESIDENTIAL TURFGRASS MIXTURE. FOLLOW MNDOT SEEDING MANUAL GUIDLINES FOR APPLICATION RATES.
7. LUMP SUM QUANTITY SHALL INCLUDE ALL COST REQUIRED FOR MAINTAINING ALL FLAGGING OPERATIONS AS NECESSARY, MAINTAINING PEDESTRIAN ACCESS ROUTES, ANY SIGNAGE AND BARRICADES AS NECESSARY, ANY DETOUR ROUTES AS NECESSARY.
8. RECLAMATION STOCKPILE LOCATION IS AT 16600 SAINT FRANCIS BLVD. SILT FENCE SHALL BE ADDED AROUND BASE OF STOCKPILE IF IT REMAINS IN PLACE FOR GREATER THAN 72 HRS. THE EXPECTED RECLAMATION DEPTH IS 6 INCHES.
9. STOCKPILING OF ANY SALVAGED TOPSOIL USED IS INCIDENTAL TO THE TOPSOIL PAY ITEM.
- 10.CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL LANDSCAPING TO AS GOOD OR BETTER CONDITION. THE EACH QUANTITY CONSIST OF LANDSCAPING PER LOT THAT IS LIKELY TO BE DISTURBED AROUND DRIVEWAYS OR MAILBOXES.
- 11.SALVAGED MAILBOX POSTS TO BE PLACED TO ORIGINAL LOCATION OR AS DIRECTED BY THE ENGINEER.
- 12.LINEAR FOOT MEASUREMENT DOES NOT INCLUDE FLARED END SECTIONS.
- 13.COORDINATE WITH USPS ON PREFERRED LOCATIONS OF TEMPORARY MAILBOX CLUSTERS.
- 14.COMMON EXCAVATION INCLUDES TOPSOIL MATERIAL REMOVED IN AREAS DISTURBED OUTSIDE OF ROADWAYS.
- 15.MOW PERMANENTLY SEEDED AREAS IN EARLY JUNE, MID-JULY, AND LATE AUGUST UNLESS OTHERWISE DIRECTED BY ENGINEER.
- 16.CLOPYRALID HERBICIDE LABELED FOR RIGHT OF WAY USE AND FORMULATED AT 3 POUNDS ACID EQUIVALENT PER GALLON.
- 17.SPRAY PERENNIAL NOXIOUS WEEDS GROWING IN STOCKPILES AND STAGING AREA BEFORE FLOWERING. SPOT-SPRAY PERENNIAL NOXIOUS WEEDS IN AREAS OF PERMANENT SEEDING TWO OR MORE WEEKS AFTER MOWING BUT BEFORE FLOWERING.
- 18.THE EACH QUANTITY CONSIST OF AN APPROXIMATION OF THE AMOUNT OF LOTS THAT MAY HAVE IRRIGATION THAT COULD BE DAMAGED ACROSS THE PROJECT.

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT CONSTRUCTION LIMITS BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO IRRIGATION SYSTEMS WHERE POSSIBLE.
3. PERMANENT SIGN REMOVAL AND INSTALLATION IS TO BE PERFORMED BY CITY OF RAMSEY PUBLIC WORKS DEPARTMENT.
4. THE EDGE OF ROAD IS GENERALLY BEING REPLACED TO EXISTING GRADE (SEE STREET PROFILES FOR PRECISE CHANGES). THIS IS PROPOSED TO BE ACHIEVED BY RECLAIMING 6 INCHES OF THE EXISTING BITUMINOUS AND AGGREGATE BASE FULL-DEPTH, REMOVING 3.5 INCHES OF SUBSOIL, SCARIFY 12 INCHES OF REMAINING SUBSOIL, PLACEMENT OF 6 INCHES OF AGGREGATE BASE (RECLAIM MATERIAL ALLOWED IF IT MEETS MODIFIED CLASS 5 SPEC), SHAPE AND COMPACT, PLACEMENT OF 2 INCHES NON-WEAR COURSE BITUMINOUS PAVEMENT AND PLACEMENT OF 1.5 INCHES WEAR COURSE BITUMINOUS PAVEMENT. IN SOIL CORRECTION AREAS AN ADDITIONAL 1 FOOT OF SUBSOIL WILL BE REMOVED AND REPLACED WITH SELECT GRANULAR MATERIAL. THE CROSS SLOPE IS BEING RAISED FROM 2% TO 3% WHICH SHOULD BE ACHIEVED BY GRADING THE AGGREGATE BASE. AREAS WHERE PROFILES ARE HIGHER THAN BEFORE WILL REQUIRE ADDITIONAL AGGREGATE BASE. AREAS WHERE PROFILES ARE LOWER THAN BEFORE WILL REQUIRE ENOUGH EXCAVATION OF BASE AND SUBBASE MATERIAL IN ORDER TO ALLOW ROOM FOR PLACEMENT OF 6" MINIMUM OF AGGREGATE BASE BELOW PAVEMENT.
5. SEEDING AND RESTORATION NUMBERS WERE DETERMINED BASED ON A MINIMUM 6' OF DISTURBANCE FROM THE EDGE OF ROADWAY, WITH ADDITIONAL AREA AROUND CULVERT REPLACEMENTS AND IN LOCATIONS THAT NEW ROAD PROFILES REQUIRE ADDITIONAL DISTURBANCE TO MATCH IN.
6. DRIVEWAY REMOVALS ARE GENERALLY 6 FEET FOR BITUMINOUS DRIVEWAYS AND TO THE FIRST JOINT ON CONCRETE DRIVEWAYS. REMOVALS LIMITS WILL BE MARKED IN THE FIELD BY CITY STAFF.
7. FLARED END STRUCTURE INVERTS ARE LOCATED AT THE END OF THE APRON.



LINE TABLE: ALIGNMENTS			
LINE #	LENGTH	DIRECTION	ALIGNMENT NAME
L4	207.83'	N00° 13' 25"W	TONTO ST CL 2
L3	369.87'	N00° 00' 38"W	TONTO ST CL 3
L1	654.69'	N00° 04' 48"W	YAKIMA ST CL
L12	349.40'	N65° 49' 44"E	177TH AVE CL
L13	367.47'	N62° 44' 22"E	177TH AVE CL
L14	0.51'	N89° 00' 58"E	177TH AVE CL
L5	1141.17'	S84° 48' 56"E	178TH LN CL
L2	1733.91'	N82° 53' 11"E	179TH AVE CL
L6	302.46'	N00° 44' 40"W	SALISH CIR CL
L7	103.54'	N56° 12' 24"E	SALISH CIR CL
L8	27.84'	N24° 10' 16"W	TONTO ST CL
L9	328.32'	N00° 47' 43"W	TONTO ST CL
L10	223.05'	N80° 26' 23"E	TONTO ST CL
L11	385.48'	N02° 14' 00"W	TONTO ST CL

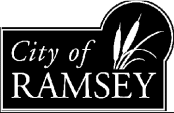
CURVE TABLE: ALIGNMENTS				
CURVE #	RADIUS	LENGTH	CHORD DIRECTION	ALIGNMENT NAME
C3	90.00'	66.44'	N21° 22' 17"W	TONTO ST CL 2
C2	73.00'	52.81'	N20° 42' 49"E	TONTO ST CL 3
C9	1000.00'	54.35'	N64° 16' 19"E	177TH AVE CL
C10	1420.00'	651.23'	N75° 52' 40"E	177TH AVE CL
C4	90.00'	66.44'	S63° 40' 03"E	178TH LN CL
C1	73.00'	52.81'	N62° 09' 43"E	179TH AVE CL
C5	145.00'	144.13'	N27° 43' 52"E	SALISH CIR CL
C6	60.00'	24.48'	N12° 29' 00"W	TONTO ST CL
C7	70.00'	99.25'	N39° 49' 20"E	TONTO ST CL
C8	86.00'	124.09'	N39° 06' 11"E	TONTO ST CL

DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Joe Feriancek
JOE FERIANCEK
Date 12/30/25 Lic. No. 57095

DESIGNED BY:	LWC	DATE:	12/30/25
DRAWN BY:	LWC	FILE:	26-07
CHECKED BY:	JJF		

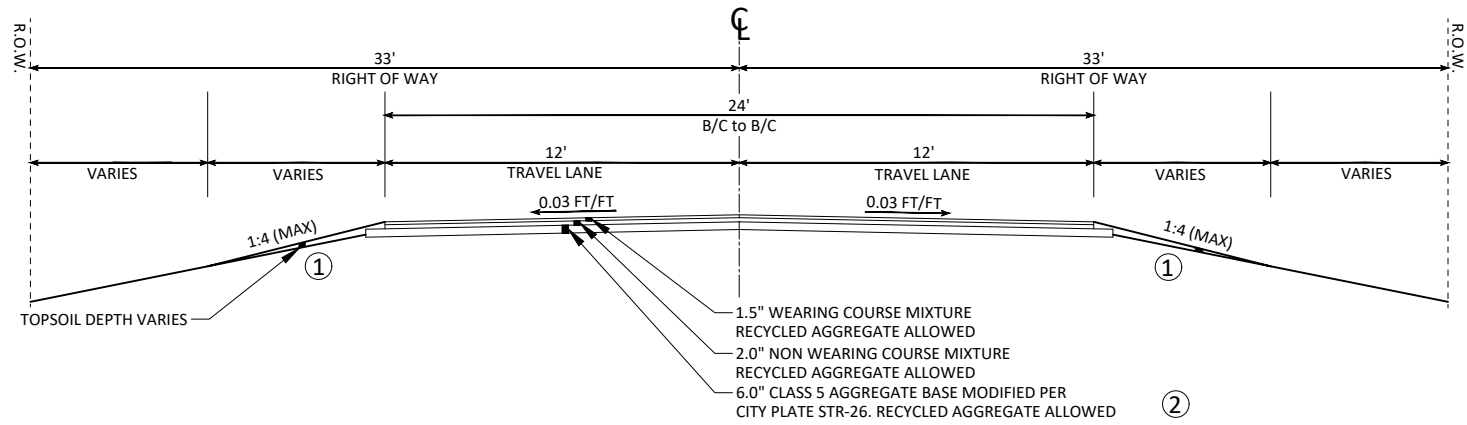


CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

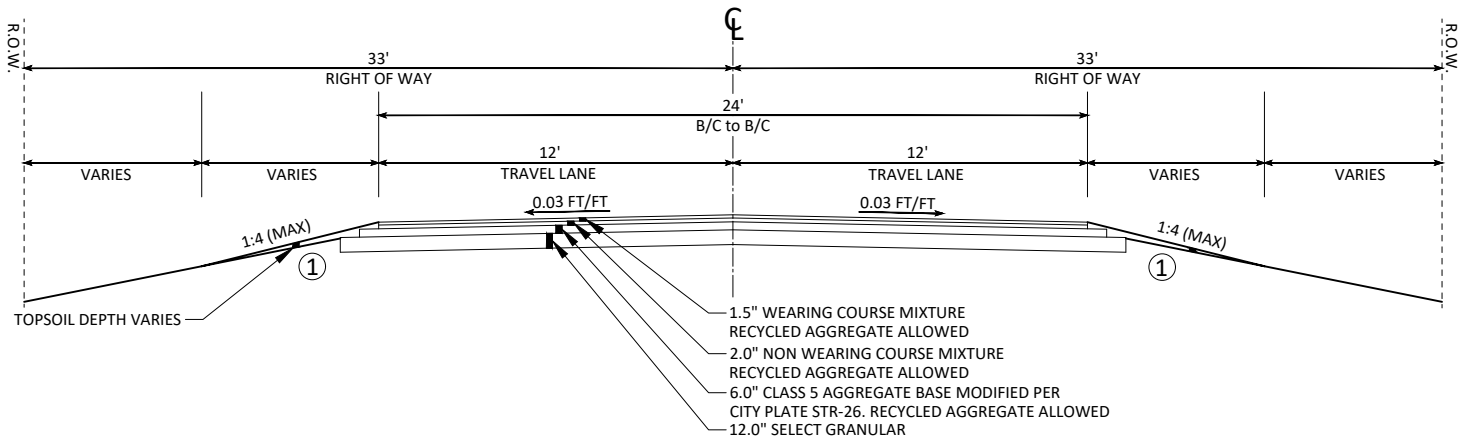
ALIGNMENT LAYOUT

SECTION 01 UNPLATTED (S. CR 27) STREET
RECONSTRUCTIONS
CITY PROJECT NO. 26-07
CITY OF RAMSEY, MINNESOTA

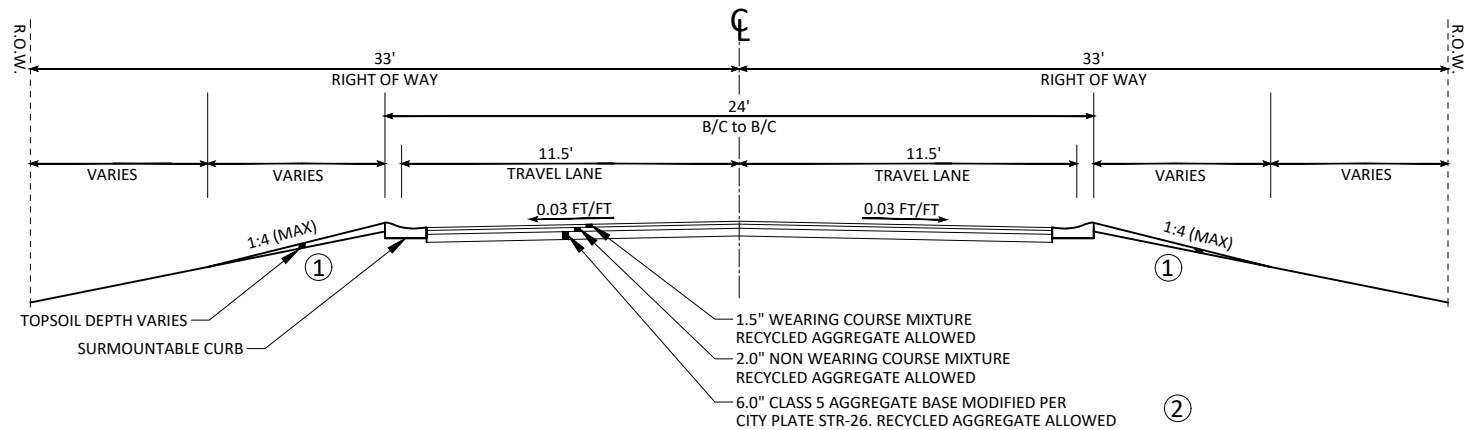
TYPICAL SECTION



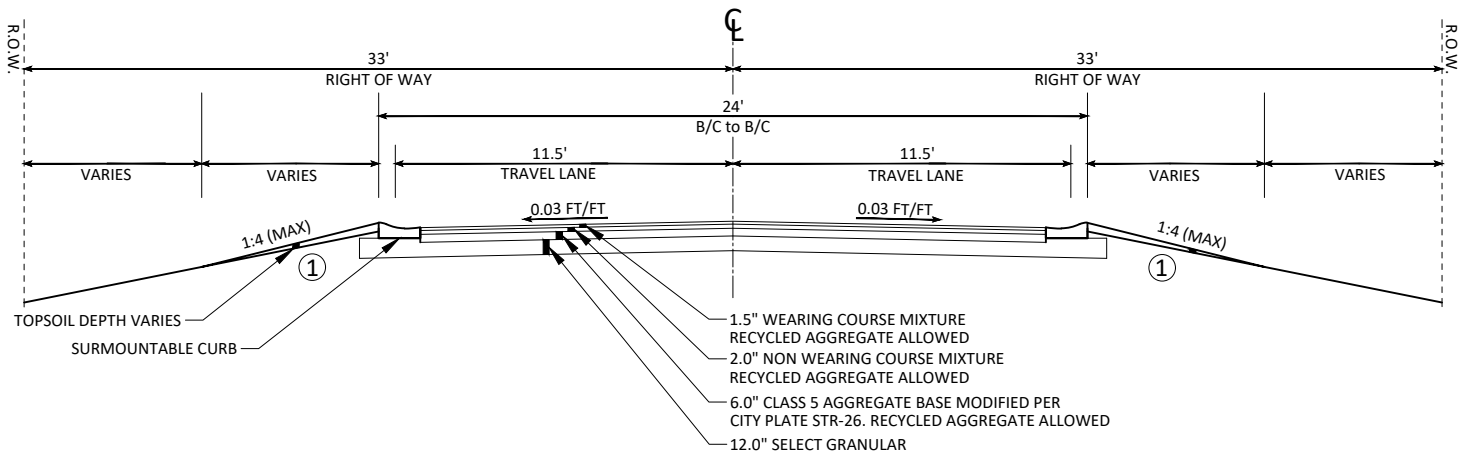
TYPICAL SECTION (SOIL CORRECTION AREAS)



TYPICAL SECTION (CURB AREAS)



TYPICAL SECTION (SOIL CORRECTION AREAS WITH CURB)



REFERENCE NOTES:

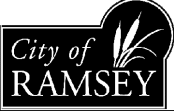
- ① GRADE TO MATCH EXISTING GROUND. ESTABLISH TURF USING MINIMUM 4" TOPSOIL AND HYDROSEED WITH MNDOT SEED MIXTURE 25-151.
- ② SCARIFY 12" OF SUBSOIL. RECLAMATION MATERIAL IS ACCEPTABLE FOR AGGREGATE BASE IF IT MEETS MODIFIED CLASS 5 SPEC

DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Joe Feriancek
JOE FERIANCEK
Date 12/30/25 Lic. No. 57095

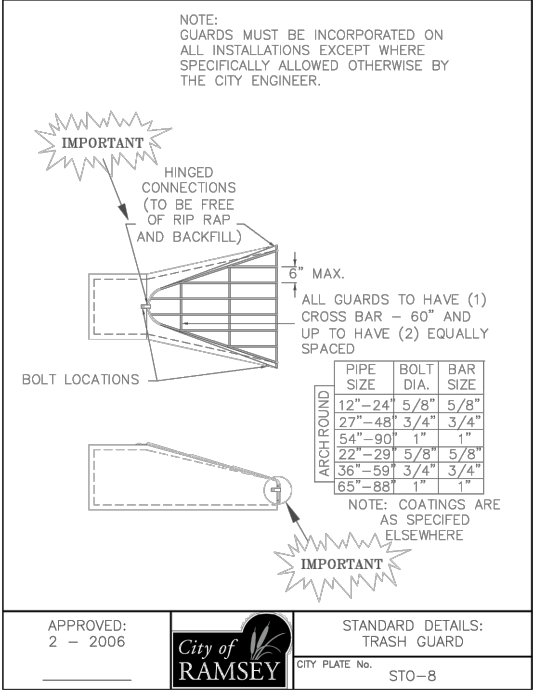
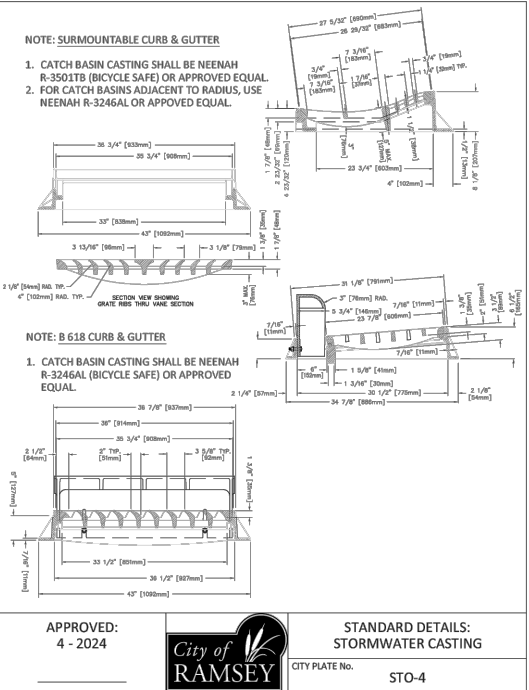
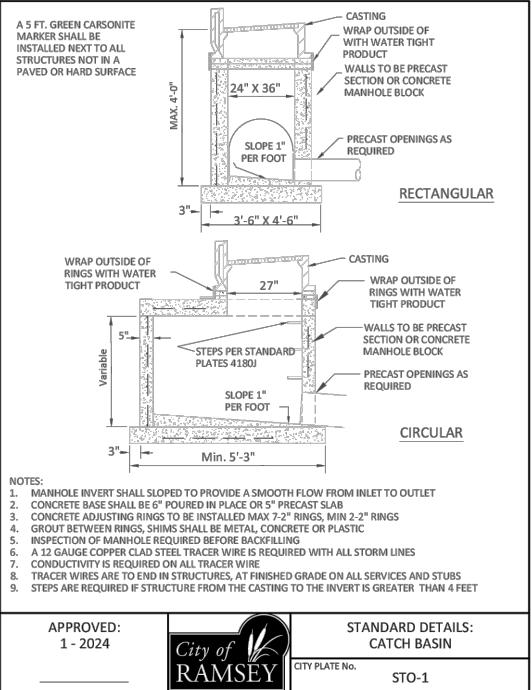
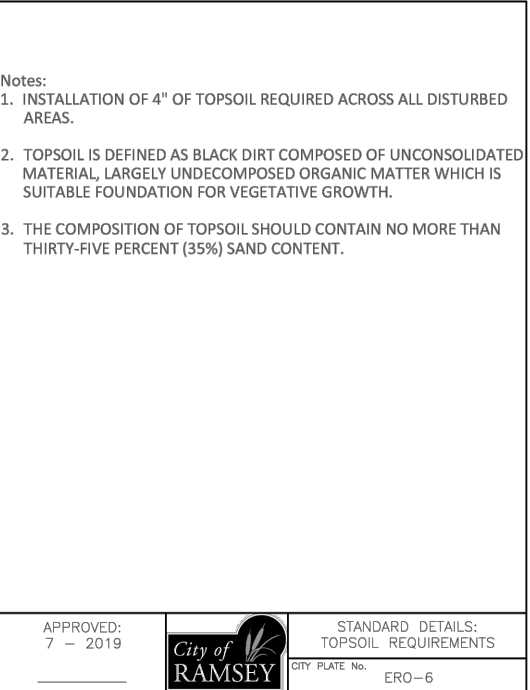
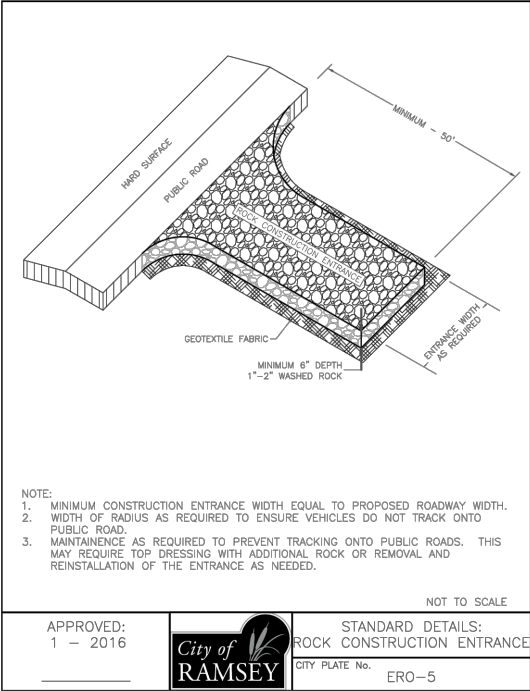
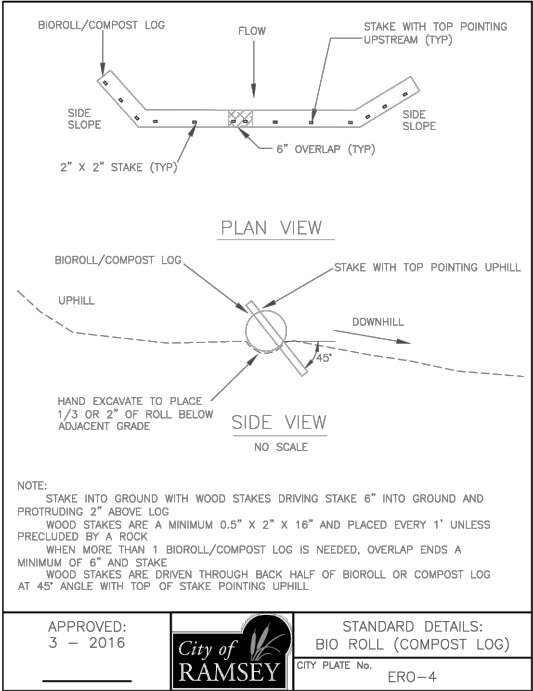
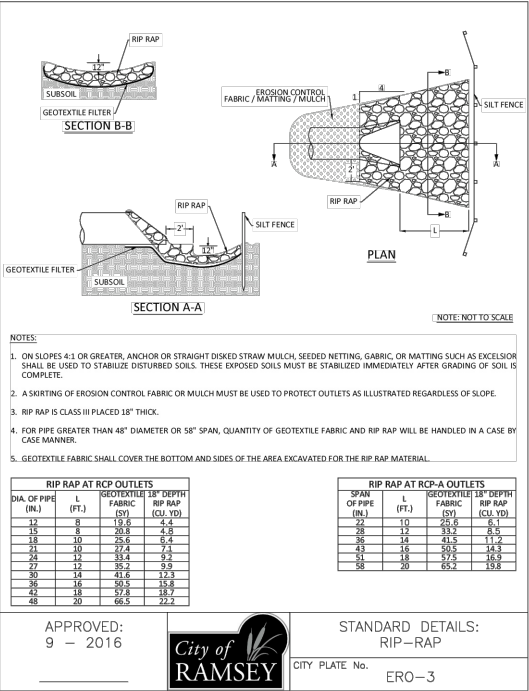
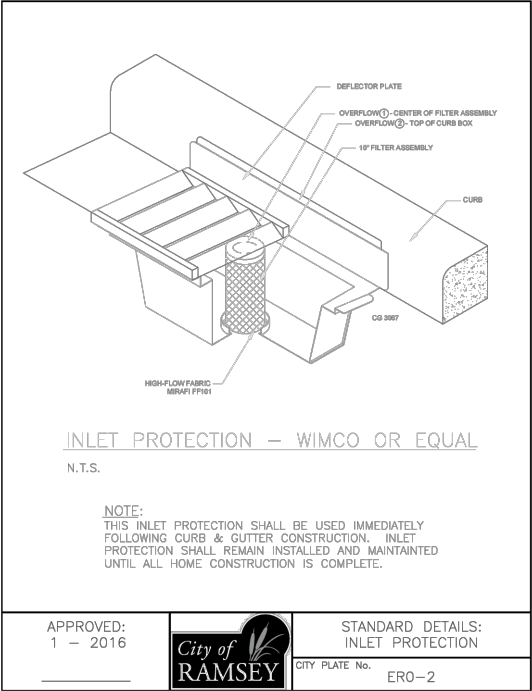
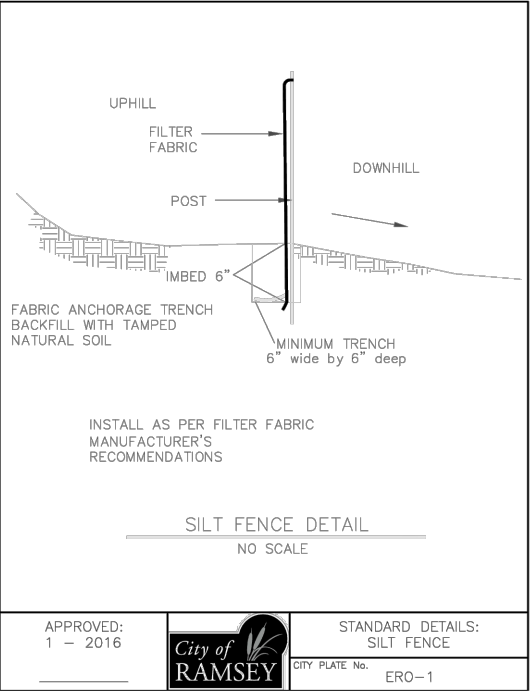
DESIGNED BY:	LWC	DATE:	12/30/25
DRAWN BY:	LWC	FILE:	26-07
CHECKED BY:	JJF		



CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

TYPICAL SECTION

SECTION 01 UNPLATTED (S. CR 27) STREET
RECONSTRUCTIONS
CITY PROJECT NO. 26-07
CITY OF RAMSEY, MINNESOTA



NOTES:
MAILBOX LOCATIONS SHOULD BE STAKED BEFORE INSTALLATION FOR PROPER HEIGHT AND DISTANCE FROM THE ROADWAY. ONCE STAKED, THE INSTALLER MUST NOTIFY THE CITY ENGINEER AND THE POST OFFICE. THE ENGINEER AND POSTMASTER/ MAILCARRIER WILL BE ALLOWED 48 HOURS TO REVIEW AND MODIFY THE STAKED LOCATIONS PRIOR TO FINAL INSTALLATION.

OTHER MAILBOX SUPPORT DESIGNS MAY BE USED UPON APPROVAL BY THE CITY ENGINEER.

ALL MAILBOX SUPPORTS MUST BE CRASHWORTHY AND MEET MINNESOTA RULES, B818, U.S. POST OFFICE AND FEDERAL HIGHWAY ADMINISTRATION (FHWA) STANDARDS AND RECOMMENDATIONS.

APPROVED:
9 - 2011

STANDARD DETAILS:
NESTED MAILBOX CLUSTER
CITY PLATE No. STR-10

TABLE A MODIFIED CLASS 5 SPECIFICATIONS	
% PASSING	
1"	100
3/4"	90 - 100
3/8"	50 - 80
No.4	35 - 70
No.10	20 - 60
No.40	10 - 35
No.200	5 - 10

NOTES:
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED:
2 - 2003

STANDARD DETAILS:
MODIFIED CLASS 5
SPECIFICATIONS
CITY PLATE No. STR-26

APPROVED:
4 - 2016

STANDARD DETAILS:
CATCHBASIN PLACEMENT -
SURMOUNTABLE CURB
CITY PLATE No. STR-27

NOTES:
1. PANEL WIDTH SHALL NOT EXCEED 10 FT. WITHOUT A CENTERLINE CONSTRUCTION JOINT.
2. CONCRETE DRIVEWAY TO BE ONE COURSE CONCRETE PAVEMENT. (SEE SPECIAL PROVISIONS FOR CLASS OF CONCRETE.)
3. CONCRETE DRIVEWAYS TO BE 6" THICK.
4. 1/2" EXPANSION JOINT, 1/2" PREFORMED JOINT FILLER MATERIAL, AASHTO M 213 (REQUIRED WHEN 2 CONCRETE AREAS ARE POURED SEPERATELY.)
5. BITUMINOUS DRIVEWAYS MINIMUM 2" THICK, MATCH EXISTING BITUMINOUS PAVEMENT THICKNESS.

APPROVED:
1 - 2016

STANDARD DETAILS:
RESIDENTIAL DRIVEWAY -
NO SIDEWALK
CITY PLATE No. STR-30

NOTES:
1. BITUMINOUS SHALL BE SAWCUT AND REMOVED
2. CLASS 5 AND BITUMINOUS COURSES SHALL BE MECHANICALLY COMPACTED.
3. SEE CITY PLATE STR-26 FOR MODIFIED CLASS 5 SPECIFICATIONS.

PLAN VIEW

SECTION VIEW

APPROVED:
3 - 2017

CITY PLATE No. STR-31
STANDARD DETAILS:
STREET TIE-IN

TYPICAL: CONCRETE FLUME (OVERHEAD VIEW)

TYPICAL: CONCRETE FLUME (FRONT VIEW)

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

SECTION 01 UNPLATTED (S. CR 27) STREET RECONSTRUCTIONS

CITY OF RAMSEY ANOKA COUNTY, MINNESOTA

DESCRIPTION OF CONSTRUCTION ACTIVITIES AND STORMWATER MANAGEMENT:

Construction activities include; Site Grading, Storm Sewer Construction, Temporary Erosion and Sediment Control, Roadway Construction, and Permanent Stabilization. Project Description: This project consists of reconstructing 1.44 miles of existing rural and urban bituminous streets, using full depth reclamation. The project also includes the replacement of existing culverts and addition of storm sewer. The drainage for the existing streets use bituminous curb which will be switched to concrete surmountable curb and gutter. Outfall locations will generally remain the same. Runoff generally drains South to the Rum River.

RESPONSIBLE PARTIES:

The Contractor and Owner must apply for coverage under the MPCA's General Storm Water Permit for Construction Activity as required by the National Pollution Discharge Elimination System (NPDES) Phase II program. Coverage under the permit will begin automatically 7 calendar days after the electronic submittal date or after the postmarked date of a complete application. (Longer time frames will apply to areas disturbing 50 acres or discharge within 1 mile of a special water).

	COMPANY	CONTACT PERSON	PHONE
OWNER:	CITY OF RAMSEY	BRUCE WESTBY, PE	763-433-9825
SWPPP DESIGNER:	CITY OF RAMSEY	LOGAN CZECH	763-453-2531
CONTRACTOR:			
SITE MANAGER:			
PARTY RESPONSIBLE FOR LONG TERM O&M:	CITY OF RAMSEY	BRUCE WESTBY, PE	763-433-9825

Individuals listed above, including the SWPPP preparer, individual overseeing implementation of, revising and amending the SWPPP, Individuals performing or supervising the installation, maintenance and repair of BMP's must be trained. At least one individual present on the permitted project, or available within 72 hours shall be trained in the applicable job duties. Documentation showing training commensurate with the job duties and responsibilities is required to be included in the SWPPP prior to any work beginning on the site. Copies of the SWPPP preparer information is included in the Project Manual. The Contractor shall provide information for the individual(s) overseeing implementation, supervising installation, maintenance, and repair of BMP's to be included in the Project Manual prior to the start of construction. This information shall be kept up to date until the project NOT is filed.

Documentation shall include:

- a. Names of trained personnel associated with this project.
- b. Dates of training, names of instructor(s) and entity providing training.
- c. Content of training course or workshop including the number of hours trained.
- d. As an alternative to a, b, and c listed above, a photocopy of the current Erosion and Stormwater Management card issued by the University of Minnesota can be attached to the SWPPP as suitable documentation of training.

DOCUMENTATION RETENTION:

The following documentation will be retained for a period of not less than 3-years form the date of submittal of the NOT.

1. The final SWPPP.
2. Copies of all stormwater related permits required for the project.
3. Records of all inspection and maintenance conducted during construction.
4. Copies of all permanent operation and maintenance agreements; including all right-of-way, contracts, covenants and other binding requirements regarding perpetual maintenance.
5. All required calculations for design of temporary and permanent BMP's.

IMPLEMENTATION SCHEDULE AND PHASING:

1. Furnish & Install perimeter sediment control and inlet protection.
2. Reclamation of existing bituminous pavement & removal of bituminous curb.
3. Perform soil corrections.
4. Removal of existing culverts.
5. Installation of new storm sewer.
6. Rough grade site.
7. Furnish & install curb & gutter.
8. Furnish & install bituminous pavement.
9. Add additional temporary BMP's as necessary during construction based on inspection reports.
10. Submit Notice of Termination (NOT) to MPCA within 30 days of final stabilization.

FINAL STABILIZATION:

The permittee(s) must ensure final stabilization of the site. The permittee(s) must submit a NOT within 30 days after final stabilization is complete, or another owner/operator (permittee) has assumed control over all areas of the site which have not undergone final stabilization. Final stabilization can be achieved in one of the following ways:

1. All soil disturbing activities at the site have been completed and all soils must be stabilized by a uniform perennial vegetative cover with a density of 70 percent over the entire pervious surface area, or other equivalent means necessary to prevent soil failure under erosive conditions and;
 - a. All drainage ditches, constructed to drain water from the site after construction is complete, must be stabilized to preclude erosion;
 - b. All temporary synthetic, and structural erosion prevention and sediment control BMP's (such as silt fence) must be removed as part of the site final stabilization; and
 - c. The permittee(s) must clean out all sediment from conveyances and from temporary sedimentation basins to be used as permanent water quality management basins. Sediment must be stabilized to prevent it from being washed back into the basin, conveyances or drainage ways discharging off-site or to surface waters. The cleanout of permanent basins must be sufficient to return the basin to design capacity.
2. Final vegetation cover shall be in the Project Specifications.
3. For residential construction only, final stabilization has been achieved when temporary erosion protection and down gradient perimeter control for individual lots has been completed and the residence has been transferred to the homeowner. Additionally, the permittee must distribute the MPCA "Homeowner fact sheet" to the homeowner to inform the homeowner of the need for, and benefits of, final stabilization.

SPECIAL ENVIRONMENTAL CONSIDERATIONS:

Was an environmental review required for this project or any part of a common plan of development or sale that includes all or any portion of this project?	NO
Does any portion of the site have the potential to affect threatened or endangered species?	NO
Does any portion of this site discharge to a Calcareous Fen and the letter of approval from the DNR is located in the Project Manual?	NO
Will any portion of this site potentially affect properties listed on the National Register of Historic Places or a Known or Discovered Archeological site?	NO
Have any Karst features been identified in the project vicinity?	NO
Is compliance with temporary or permanent stormwater management design requirements infeasible for this project?	NO

POLLUTION PREVENTION MANAGEMENT MEASURES:

The permittee(s) shall implement the following pollution prevention management measures on the site:

1. Solid waste: collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris and other wastes must be disposed of properly and must comply with MPCA disposal regulations.
2. Hazardous materials: oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
3. External washing of trucks and other construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed on site.

GENERAL STORMWATER DISCHARGE REQUIREMENTS:

All requirements listed in Part 15 of the permit for the design of permanent stormwater treatment system and discharge have been included in the preparation of this SWPPP. These include but are not limited to:

1. The expected amount, frequency, intensity and duration of precipitation.
2. The nature of stormwater runoff and run-on at the site.
3. Peak flow rates and stormwater volumes to minimize erosion at outlets and downstream channel and stream bank erosion.
4. The range of soil particle sizes expected to be present on the site.

RECEIVING WATERS:

Receiving waters, including surface water, wetlands, Public Waters, and stormwater ponds are identified on the USGS 7.5min quad map within 1 mile of the project boundary. Receiving waters that are impaired, the impairment and WLA are listed as follows. All specific BMP's relative to construction activities listed in this permit for special and impaired waters have been incorporated into this plan. All specific BMP's listed in approved TMDLs and those BMP's listed for construction related waste load allocations have also been incorporated.

NAME OF WATER BODY	TYPE (DITCH, POND, WETLAND, LAKE, ETC.)	APPENDIX A SPECIAL WATER?	FLows TO IMPAIRED WATER WITHIN 1 MILE?	USEPA APPROVED TMDL?
RUM RIVER	RIVER	YES	YES	YES, Hg-F

PROJECT AREAS:

Total project size (disturbed area) = 6.75 acres
Existing area of impervious surface = 4.38 acres
Post construction area of impervious surface = 4.40 acres
Impervious surface area increased = 0.02 acres
Planned construction start date: May 2026
Planned construction completion date: August 2026

PROJECT LOCATION:

County: ANOKA Township: 32 Range: 25 Section: 01 Latitude: 45.294 Longitude: -93.393

PERMANENT STORMWATER MANAGEMENT SYSTEM:

Type of storm water management used if more than 1 acre of new impervious surface is created:

- a. Wet Sedimentation Pond
- b. Infiltration / Filtration
- c. Regional Pond
- d. Permanent Stormwater Management Not Required

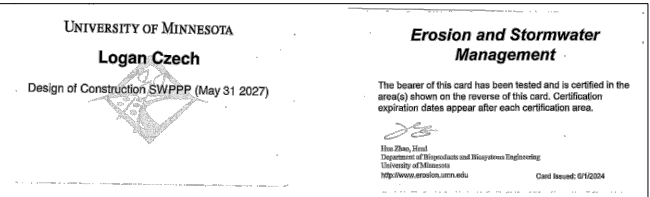
LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN:

DESCRIPTION	LOCATION
TEMPORARY EROSION CONTROL MEASURES	SHEETS No. 10 - 15
FINAL STABILIZATION	SHEETS No. 22 - 33
EROSION AND SEDIMENT CONTROL DETAILS	SHEET No. 06

EROSION AND SEDIMENT CONTROL QUANTITIES:

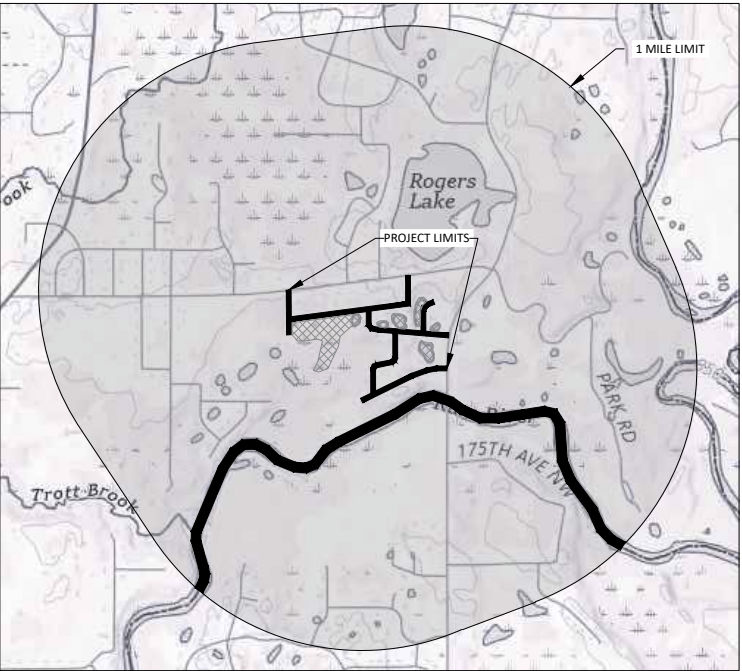
Item Description	Unit	Quantity
STABILIZED CONSTRUCTION ENTRANCE	EA	4
STORM DRAIN INLET PROTECTION	EA	4
SEDIMENT CONTROL LOG TYPE STRAW	LF	3560
SILT FENCE, TYPE MS	LF	7870
ROLLED EROSION PREVENTION CATEGORY 20	SY	820

CERTIFICATION:

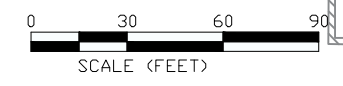
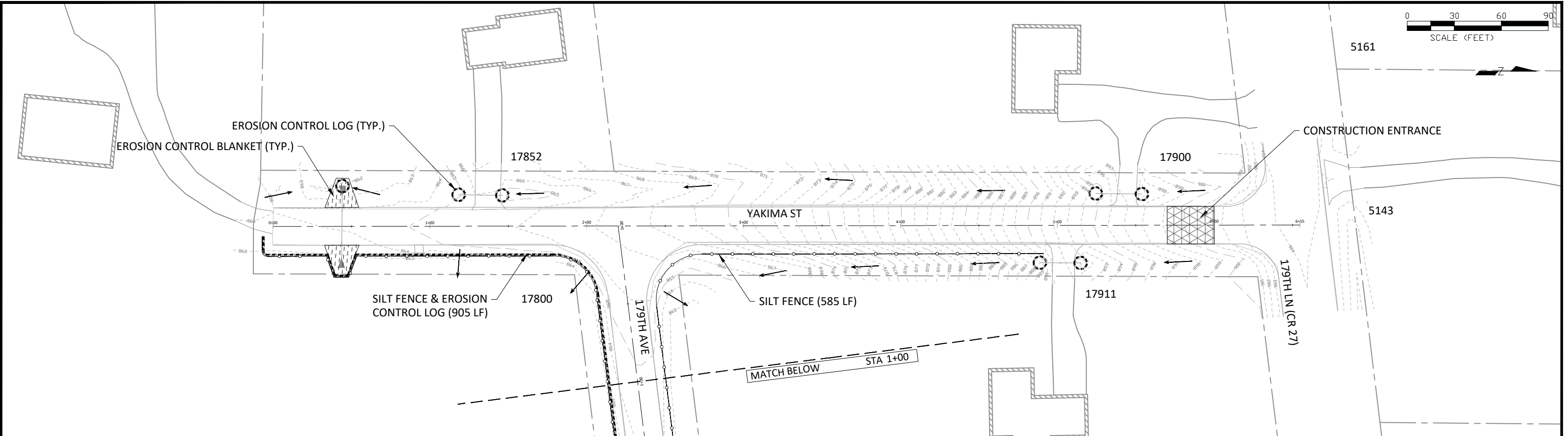


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	PROJECT LIMITS		RECEIVING WATER
	1 MILE LIMIT		IMPAIRED WATER

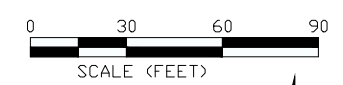
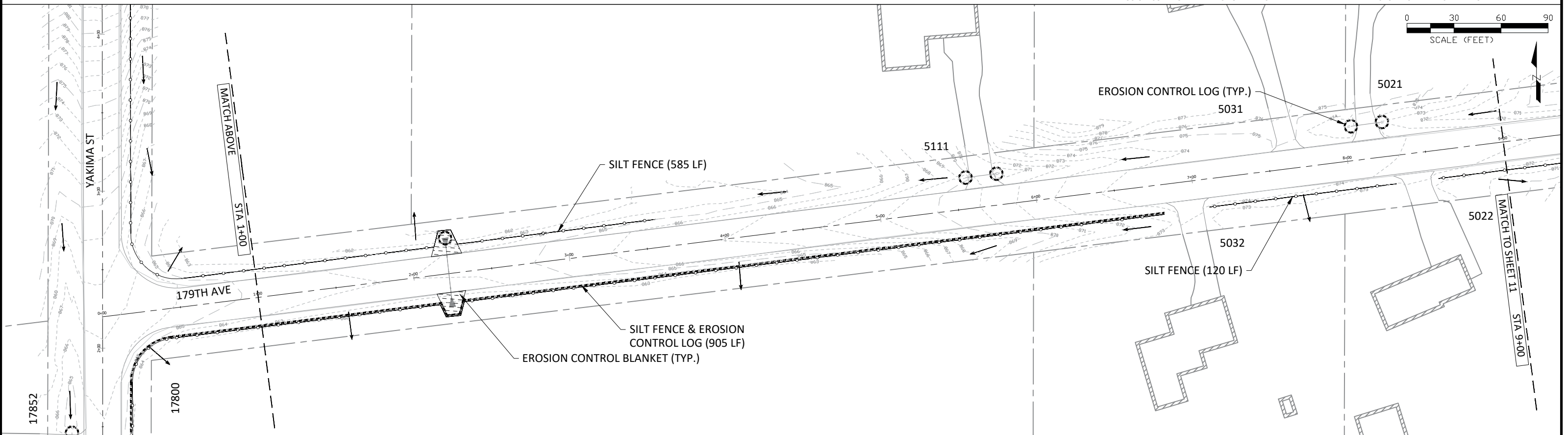


SEQUENCE OF CONSTRUCTION: Construction shall proceed in the following sequence: 1. Contractor shall schedule and conduct a pre-construction meeting with the City. 2. Contractor shall secure all necessary permits and licenses. 3. Furnish & install erosion control measures. 4. Maintain erosion control measures, i.e. silt fence, inlet protection. 5. Reclaim existing bituminous pavement and base & removal of bituminous curb. 6. Haul-off excess reclamation material & subsoil. 7. Perform soil corrections. 8. Remove existing culverts & Install new storm sewer. 9. Grade and compact reclamation material. 10.Furnish & install curb & gutter 13.Furnish & install base course of bituminous pavement 14.Complete restoration per plan. 14.Furnish & install wear course of bituminous pavement 15.Remove erosion control after vegetation is established. ADDITIONAL STORMWATER POLLUTION PREVENTION, GRADING PLAN, AND SCHEDULE NOTES: 1. All slopes to be 1:4 unless approved by the city engineer. 2. Below grade structures shall be protected and meet drainage requirements per the city engineer. 3. Construction operation hours are from 7:00 a.m. - 10:00 p.m. Monday through Saturday. 4. Call Gopher State One Call for utility locations prior to any work at 1-800-252-1166. 5. Permittee may need to modify SWPPP if the general objectives of controlling pollutants is not being met. 6. Operator shall implement these and any other BMP's that may be required to meet the general permit requirements. 7. Site is not in karst area or pollution or remediation site. 8. Silt fence to be installed downhill from any grading activity. 9. If tracking onto adjacent streets occurs a street sweeper shall be used to clean streets within 8 hours or as directed by the engineer. 10.Dust control may be necessary during rough grading. No grading can take place if wind speed exceeds 25 mph. 11.Solid waste shall be collected and disposed of properly and must comply with MPCA disposal requirements. 12.Hazardous materials shall be stored properly to prevent spills and vandalism. 13.No engine degreasing is allowed on site. External washing of vehicles shall be limited to a defined area (bone yard) on site. 14.Permittee(s) shall adhere to all SWPPP specifications on the plan and other MPCA permit requirements. EROSION PREVENTION PRACTICES: 1. The permittee(s) must plan for and implement appropriate construction phasing, vegetative buffer strips, horizontal slope grading, and other construction practices that minimize erosion, so that the inspection and maintenance requirements are complied with. The location of areas not to be disturbed must be delineated (e.g. with flags, stakes, signs, silt fence, etc.) on the development site before work begins. 2. All exposed soil areas must be stabilized as soon as practical, but in no case later than 7 days after the construction area has temporarily or permanently ceased. These areas include constructed stormwater management pond side slopes, and any exposed soil areas with a positive slope to a stormwater conveyance system, such as a curb and gutter system, storm sewer inlet, temporary or permanent drainage ditch or other natural or man made systems that discharge to a surface water. 3. The normal wetted perimeter of any temporary or permanent drainage ditch that drains water from a construction site, or diverts water around a site, must be stabilized within 200 lineal feet from the property edge, or from the point of discharge to any surface water. Stabilization must be completed within 24 hours of connecting to a surface water. 4. Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours of connection to a surface water. 5. All disturbed areas, except roadways, building areas, parking areas, islands and sidewalk, shall be restored with minimum 4 inches topsoil, seeded and mulched within 7 days of completion of site grading. Seeding shall be in accordance with MnDOT Specification 2575. Where side slopes exceed or equal 1:3 and running slope is greater than 1:50, a polypropylene netting or wood fiber blanket shall be provided and staked over the mulched area. Seed and mulch types and applications rates are per plan and specification. 6. Refer to restoration plan for areas to be seeded or sodded for erosion control. DEWATERING AND BASIN DRAINING: 1. Dewatering or basin draining (e.g. pumped discharges, trench/ditch cuts for drainage) related to the construction activity that may have turbid or sediment laden discharge water must be discharged to a temporary or permanent sedimentation basin on the project site whenever possible. If the water cannot be discharged to a sedimentation basin prior to entering the surface water, it must be treated with the appropriate BMP's, such that the discharge does not adversely affect the receiving water or downstream landowners. The permittee(s) must ensure that discharge points are adequately protected from erosion and scour. The discharge must be dispersed over natural rock rip rap, sand bags, plastic sheeting or other accepted energy dissipation measures. Adequate sedimentation control measures are required for discharge water that contains suspended solids. 2. All water from dewatering or basin draining activities must be discharged in a manner that does not cause nuisance conditions, erosion in receiving channels or on downslope properties, or inundation in wetlands causing significant adverse impact to the wetland.			SEDIMENT CONTROL PRACTICES: 1. Sediment control practices must minimize sediment from entering surface waters, including curb and gutter systems and storm sewer inlets. a. Temporary or permanent drainage ditches and sediment basins that are designed as part of a treatment system (e.g. ditches with rock check dams) require sediment control practices only as appropriate for site conditions. b. If the down gradient treatment system is overloaded, additional upgradient sediment control practices must be installed to eliminate the overloading, and the SWPPP must be amended to identify these additional practices. c. In order to maintain sheet flow and minimize rills and/or gullies, there shall be no unbroken slope length of greater than 75 feet for slopes with a grade of 1:3 or steeper. 2. Sediment control practices must be established on all down gradient perimeters before any upgradient land disturbing activities begin. These practices shall remain in place until final stabilization has been established. 3. The timing of the installation of sediment control practices may be adjusted to accommodate short-term activities such as clearing or grubbing, or passage of vehicles. Any short-term activity must be completed as quickly as possible and the sediment control practices must be installed immediately after the activity is completed. However, sediment control practices must be installed before the next precipitation event even if the activity is not complete. 4. All storm drain inlets must be protected by appropriate BMP's during construction until all sources with potential for discharging to the inlet have been stabilized. 5. Temporary soil stockpiles must have silt fence or other effective sediment controls, and cannot be placed in surface waters, including stormwater conveyances such as curb and gutter systems, or conduits and ditches. 6. Stockpile areas which remain on the site for more than seven days shall be seeded, mulched, and surrounded by silt fence. 7. Vehicle tracking of sediment from the construction site must be minimized by BMP's such as stone pads, concrete or steel wash racks, or equivalent systems. Street sweeping must be used if such BMPs are not adequate to prevent sediment from being tracked onto the street. 8. The permittee must install temporary sedimentation basins as required.			INSPECTIONS AND MAINTENANCE: 1. The permittee(s) (either the owner or operator, whoever is identified in the SWPPP) must routinely inspect the construction site once every seven (7) days during active construction and within 24 hours after a rainfall event greater than 0.5-inches in 24 hours. Following an inspection that occurs within 24 hours after a rainfall event, the next inspection must be conducted within 7 days. 2. All inspections and maintenance conducted during construction must be recorded in writing and these records must be retained with the SWPPP. Records of each inspection and maintenance activity shall include: a. Date and time of inspections; b. Name of persons conducting inspections; c. Accurate findings of inspections, including the specific location where corrective actions are needed; d. Corrective actions taken (including dates, times, and party completing maintenance activities); e. Date of all rainfall events greater than ½ inches in 24 hours, and the amount of rainfall for each event. Permittee(s) must obtain rainfall amounts by either a properly maintained rain gauge installed onsite, a weather station that is within one (1) mile of your location, or a weather reporting system that provides site specific rainfall data from radar summaries; f. If permittee(s) observe a discharge (i.e., color, odor, settled or suspended solids, oil sheen, and other obvious indicators of pollutant(s); g. Any amendments to the SWPPP proposed as a result of the inspection must be documented as required in Section 6 of the general permit within seven (7) calendar days. 3. Where parts of the construction site have undergone final stabilization, but work remains on other parts of the site, inspections of the stabilized areas may be reduced to once per month. Where work has been suspended due to frozen ground conditions, the required inspections and maintenance must take place within 24 hours after runoff occurs at the site or 24 hours prior to resuming construction, whichever occurs first. 4. All erosion prevention and sediment control BMP's must be inspected to ensure integrity and effectiveness. All nonfunctional BMP's must be repaired, replaced, or supplemented with functional BMP's. The permittee(s) must investigate and comply with the following inspection and maintenance requirements: a. All silt fence must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches ½ of the height of the fence. These repairs must be made within 24 hours of discovery, or as soon as field conditions allow access. b. Temporary and permanent sedimentation basins must be drained and the sediment removed when the depth of sediment collected in the basin reaches ½ the storage volume. Drainage and removal must be completed within 72 hours of discovery, or as soon as field conditions allow access. c. Surface waters, including drainage ditches and conveyance systems, must be inspected for evidence of sediment being deposited by erosion. The permittee(s) must remove all deltas and sediment deposited in surface waters, including drainage ways, catch basins, and other drainage systems, and restabilize the areas where sediment removal results in exposed soil. The removal and stabilization must take place within seven (7) days of discovery unless precluded by legal, regulatory, or physical access constraints. The permittee shall use all reasonable efforts to obtain access. If precluded, removal and stabilization must take place within seven (7) calendar days of obtaining access. The permittee is responsible for contacting all local, regional, state and federal authorities and receiving any applicable permits, prior to conducting any work. d. Construction site vehicle exit locations must be inspected for evidence of off-site sediment tracking onto paved surfaces. Tracked sediment must be removed from all paved surfaces within 3 hours after notification by the City that sweeping is required. e. The permittee(s) are responsible for the operation and maintenance of temporary and permanent water quality management BMP's as well as all erosion prevention and sediment control BMP's, for the duration of the construction work at the site. The permittee(s) are responsible until another permittee has assumed control over all areas of the site that have not been finally stabilized or the site has undergone final stabilization, and a NOT has been submitted to the MPCA. f. If sediment escapes the construction site, off-site accumulations of sediment must be removed in a manner and at a frequency sufficient to minimize off-site impacts (e.g. fugitive sediment in streets could be washed into storm sewers by the next rain and/or pose a safety hazard to users of public streets). 5. All infiltration areas must be inspected to ensure that no sediment from ongoing construction activities is reaching the infiltration area and these areas are protected from compaction due to construction equipment driving across the infiltration area. 6. Storm sewer pipes and structures to be inspected and cleaned out.																																				
<table><tr><td>DATE</td><td>REVISION</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>		DATE	REVISION											I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota Joe Feriancek JOE FERIANCEK Date 12/30/25 Lic. No. 57095		<table><tr><td>DESIGNED BY:</td><td>LWC</td><td></td></tr><tr><td>DRAWN BY:</td><td>LWC</td><td>DATE: 12/30/25</td></tr><tr><td>CHECKED BY:</td><td>JJF</td><td>FILE: 26-07</td></tr></table>		DESIGNED BY:	LWC		DRAWN BY:	LWC	DATE: 12/30/25	CHECKED BY:	JJF	FILE: 26-07	City of RAMSEY 7550 SUNWOOD DRIVE RAMSEY, MN 55303 (763) 427-1410 FAX (763) 433-9898		SWPPP		SECTION 01 UNPLATTED (S. CR 27) STREET RECONSTRUCTIONS CITY PROJECT NO. 26-07 CITY OF RAMSEY, MINNESOTA		<table><tr><td>SHEET</td><td>09</td><td>OF</td><td>46</td></tr><tr><td colspan="3"></td><td>SHEETS</td></tr></table>		SHEET	09	OF	46				SHEETS
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LEGEND					
	SILT FENCE		EROSION CONTROL BLANKET		INLET PROTECTION
	EROSION CONTROL LOG		RIPRAP CLASS III		CONSTRUCTION EXIT
			LOT LINE		EASEMENT - DRAINAGE & UTILITY
					MAJOR CONTOUR
					MINOR CONTOUR

NOTE:
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2. ROCK CONSTRUCTION EXITS MUST BE MAINTAINED THROUGHOUT THE PROJECT, THE CONTRACTOR WILL BE RESPONSIBLE FOR SWEEPING TRACKING ONTO ADJACENT STREETS WITHIN 3 HOURS OF NOTIFICATION BY THE CITY.
3. AFTER STORM STRUCTURES HAVE BEEN REPLACED, TRANSFER INLET PROTECTION OR EROSION CONTROL LOG TO NEW STRUCTURE FOR REMAINDER OF PROJECT.
4. RIPRAP AND EROSION CONTROL BLANKETS TO BE PLACED IMMEDIATELY AFTER NEW STORM SEWER INSTALLATION.

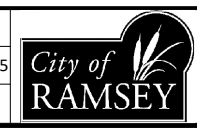


DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

JOE FERIANCEK
Date 12/30/25 Lic. No. 57095

DESIGNED BY:	LWC	DATE:	12/30/25
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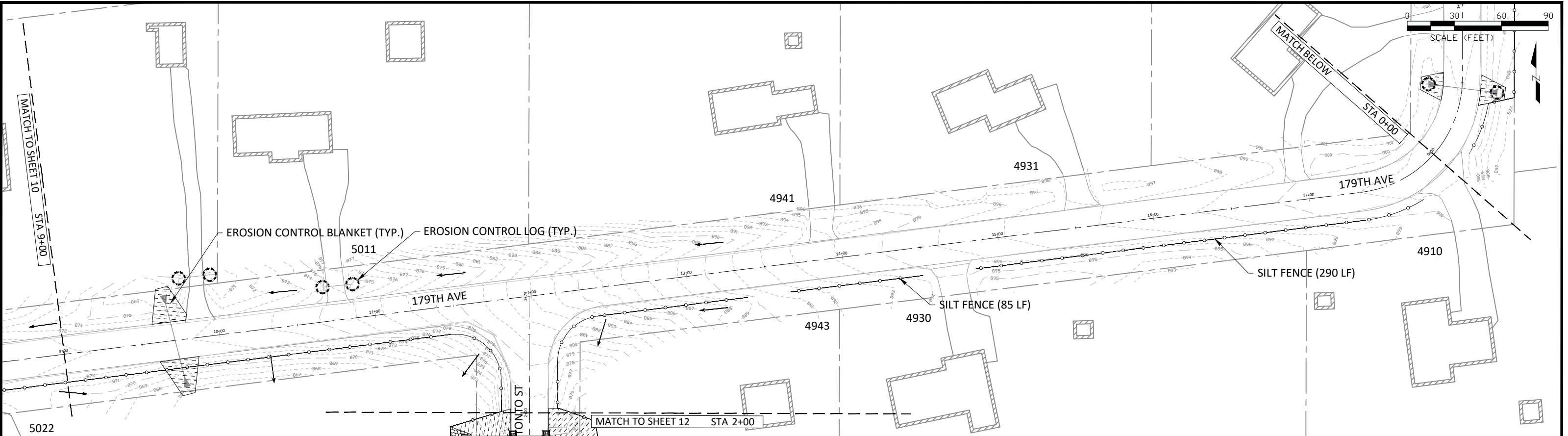


CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

EROSION CONTROL

SECTION 01 UNPLATTED (S. CR 27) STREET
RECONSTRUCTIONS
CITY PROJECT NO. 26-07
CITY OF RAMSEY, MINNESOTA

SHEET 10 OF 46 SHEETS

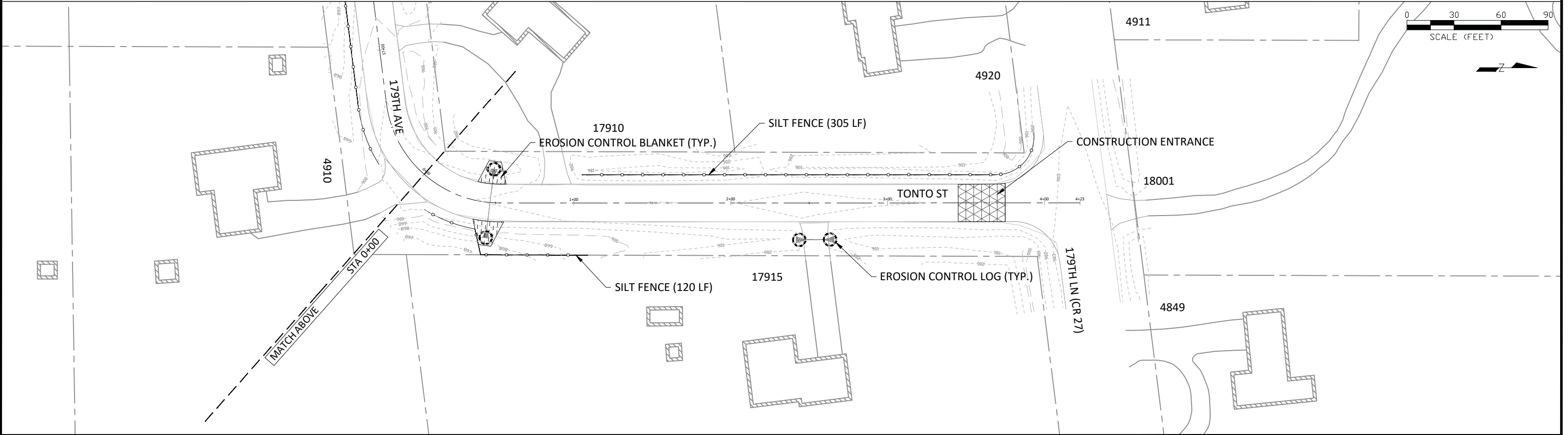


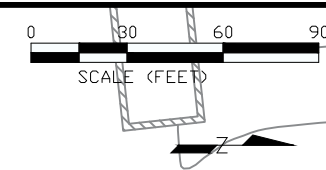
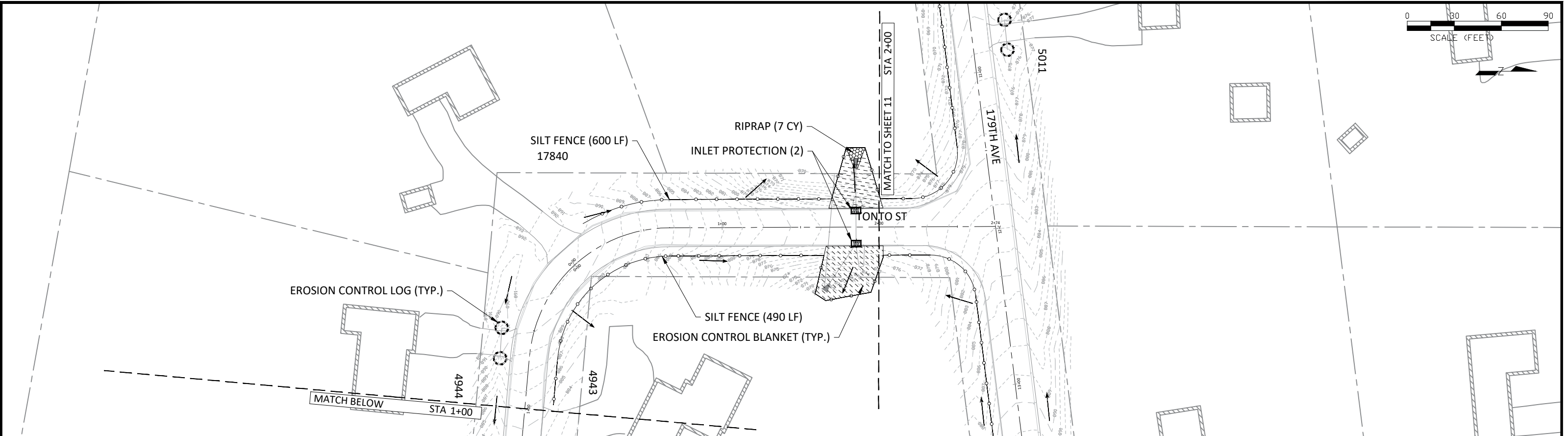
LEGEND

	SILT FENCE		EROSION CONTROL BLANKET		CONSTRUCTION EXIT		EASEMENT - DRAINAGE & UTILITY
	EROSION CONTROL LOG		RIPRAP CLASS III		DRAINAGE ARROW		MAJOR CONTOUR
					LOT LINE		MINOR CONTOUR

NOTE:

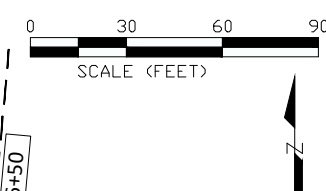
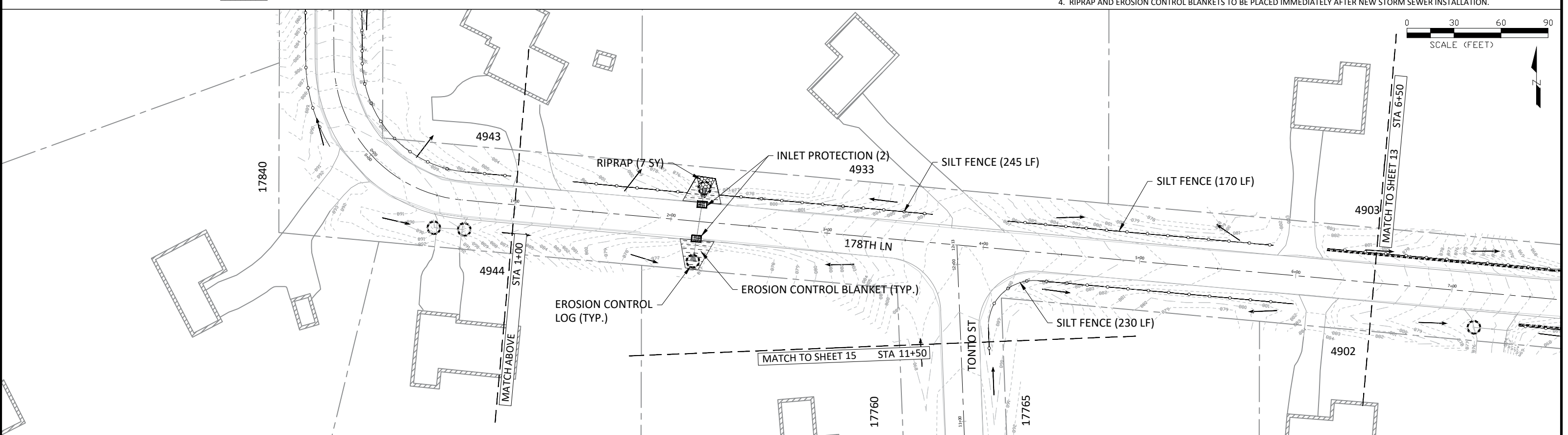
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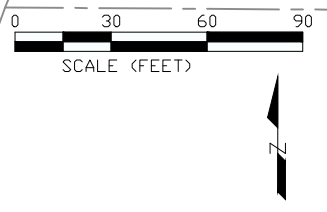
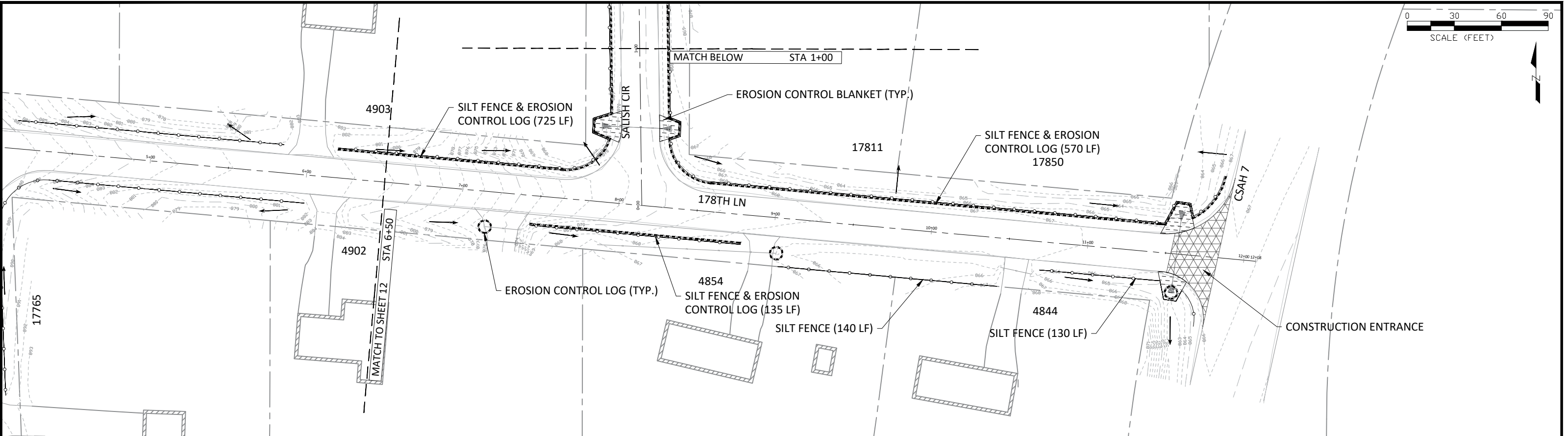




LEGEND			
	SILT FENCE		INLET PROTECTION
	EROSION CONTROL LOG		EROSION CONTROL BLANKET
	RIPRAP CLASS III		CONSTRUCTION EXIT
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	EASEMENT - DRAINAGE & UTILITY		MAJOR CONTOUR
	MINOR CONTOUR		

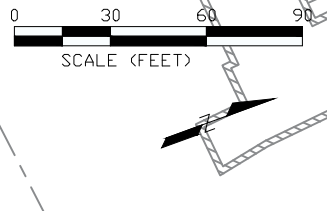
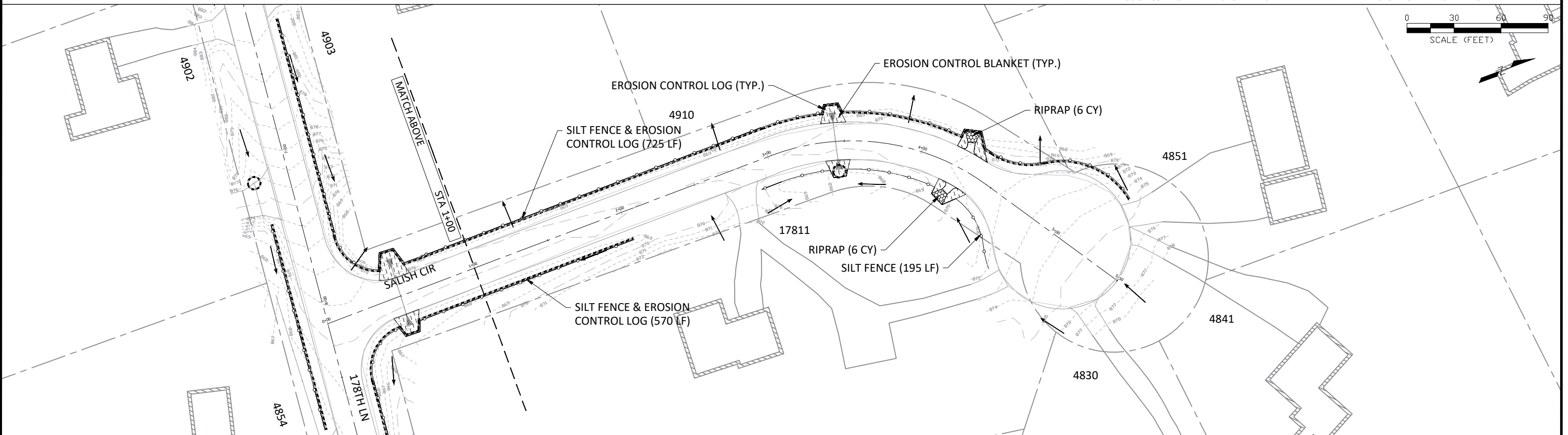
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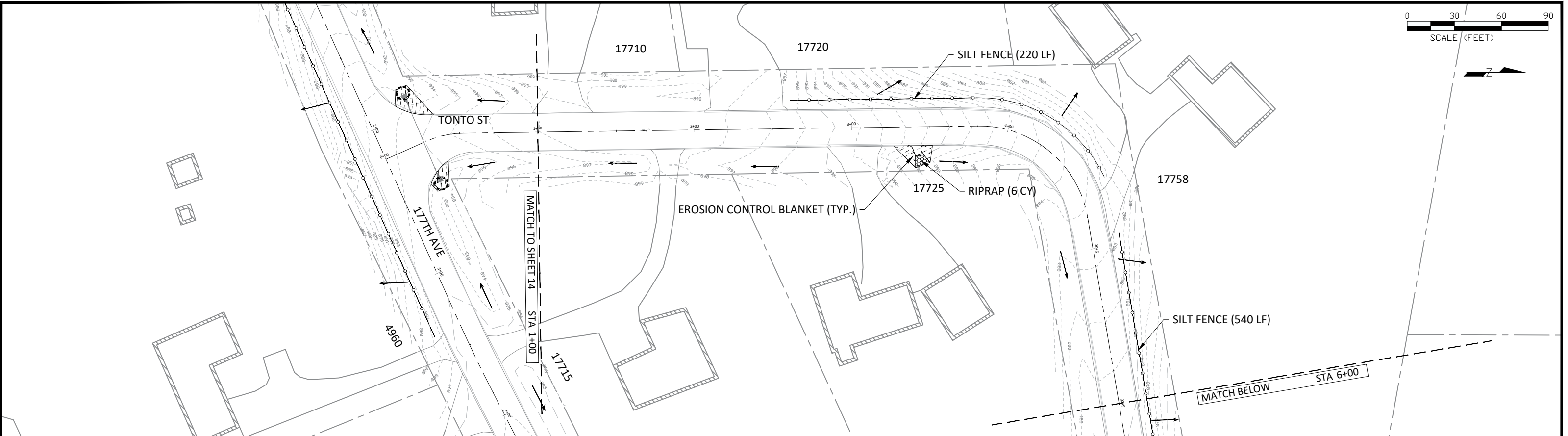




LEGEND			
	SILT FENCE		INLET PROTECTION
	EROSION CONTROL LOG		EROSION CONTROL BLANKET
			RIPRAP CLASS III
			CONSTRUCTION EXIT
			DRAINAGE ARROW
			LOT LINE
			EASEMENT - DRAINAGE & UTILITY
			MAJOR CONTOUR
			MINOR CONTOUR

NOTE:
1. SILT FENCE, EROSION CONTROL LOGS, AND INLET PROTECTION MUST BE INSTALLED BEFORE ANY OTHER ACTIVITIES ON-SITE.
2. ROCK CONSTRUCTION EXITS MUST BE MAINTAINED THROUGHOUT THE PROJECT, THE CONTRACTOR WILL BE RESPONSIBLE FOR SWEEPING TRACKING ONTO ADJACENT STREETS WITHIN 3 HOURS OF NOTIFICATION BY THE CITY.
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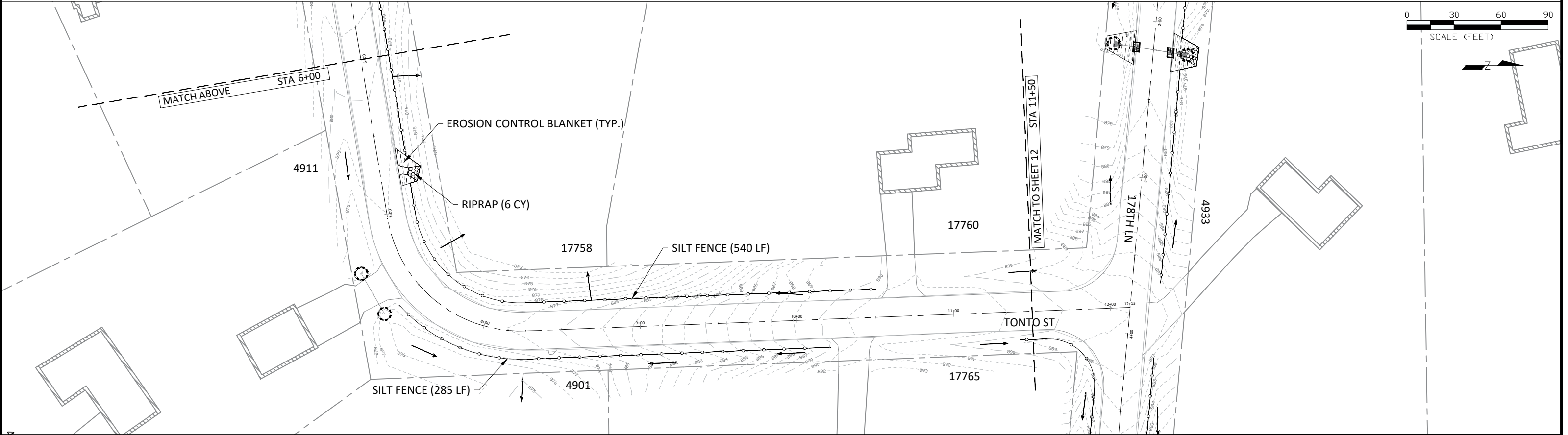


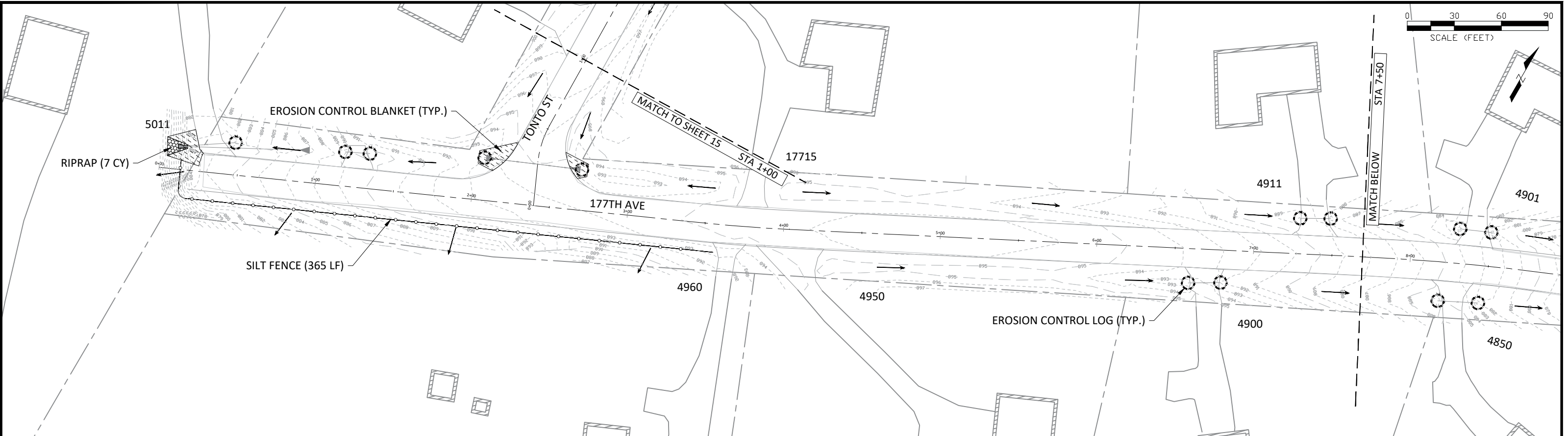
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	SILT FENCE		INLET PROTECTION		CONSTRUCTION EXIT		EASEMENT - DRAINAGE & UTILITY
	EROSION CONTROL LOG		EROSION CONTROL BLANKET		DRAINAGE ARROW		MAJOR CONTOUR
			RIPRAP CLASS III		LOT LINE		MINOR CONTOUR

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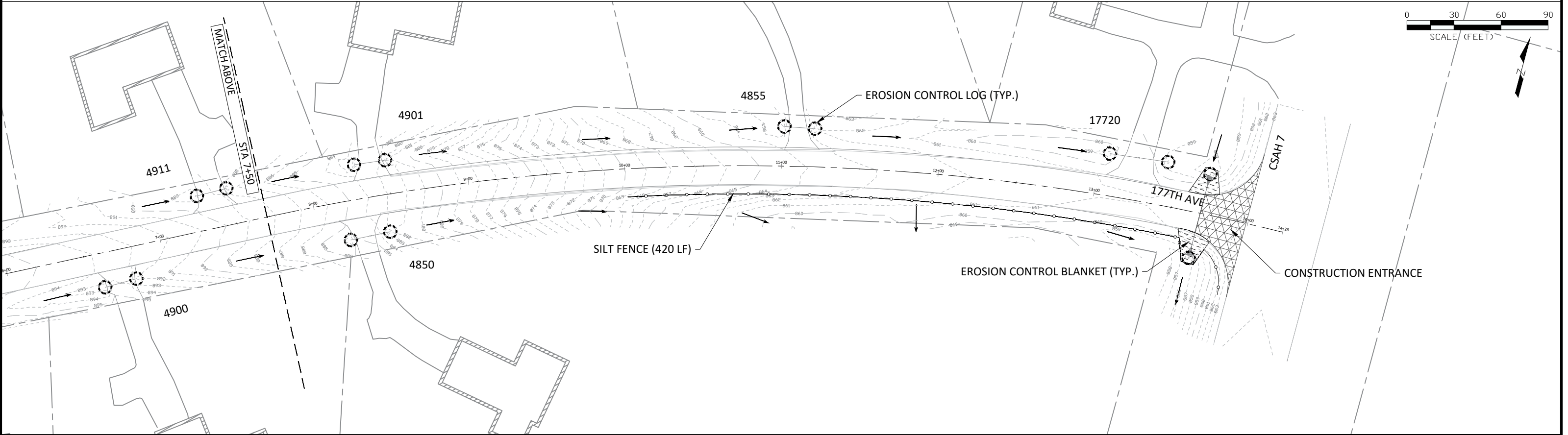


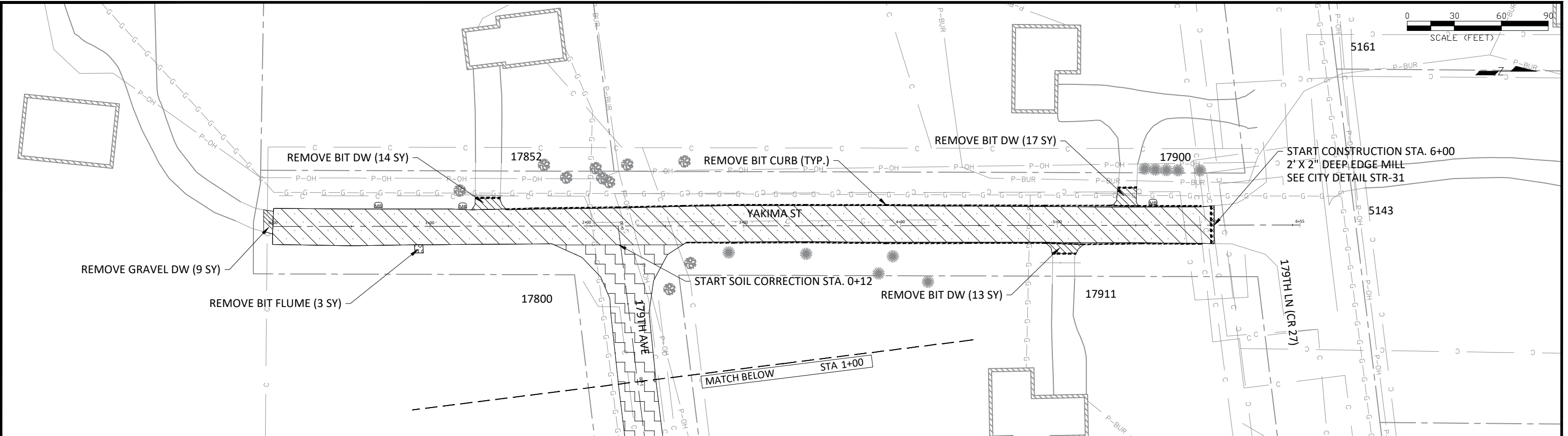
LEGEND

	SILT FENCE		INLET PROTECTION		CONSTRUCTION EXIT		EASEMENT - DRAINAGE & UTILITY
	EROSION CONTROL LOG		EROSION CONTROL BLANKET		DRAINAGE ARROW		MAJOR CONTOUR
			RIPRAP CLASS III		LOT LINE		MINOR CONTOUR

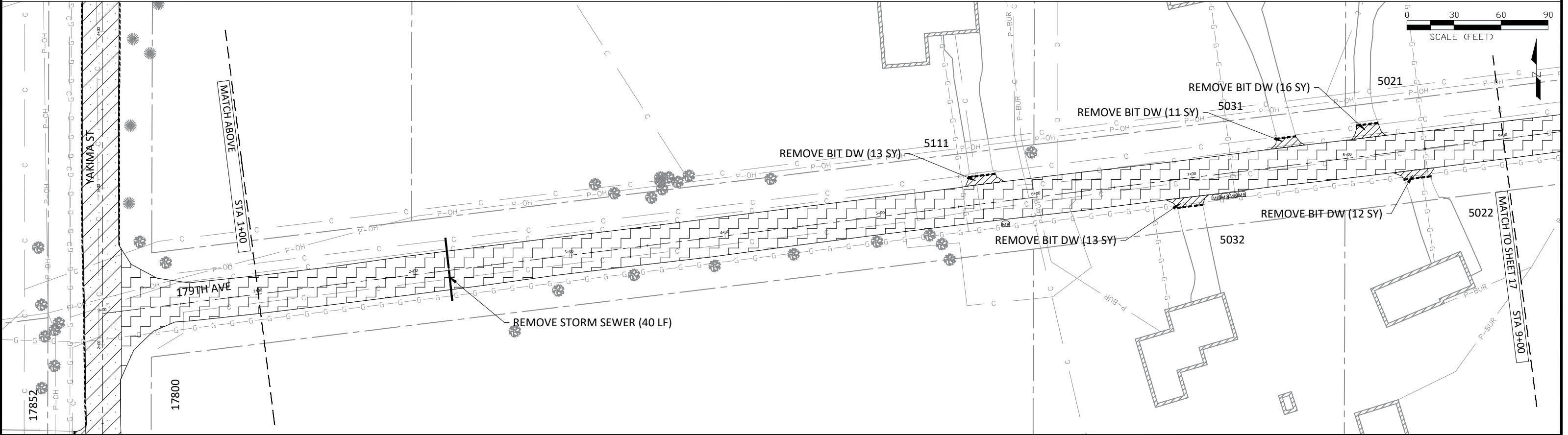
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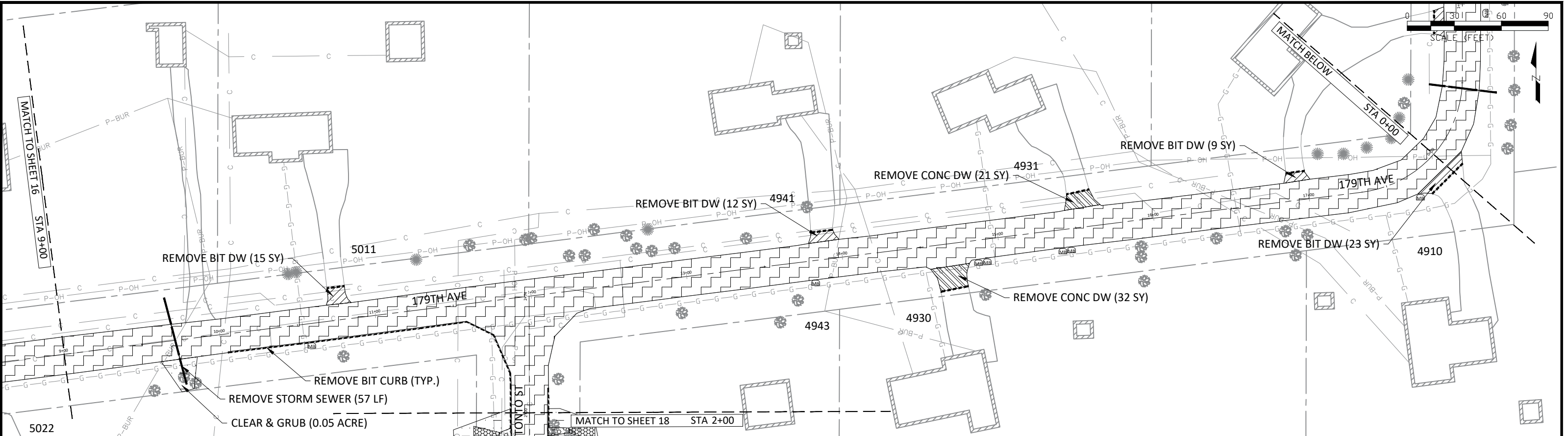
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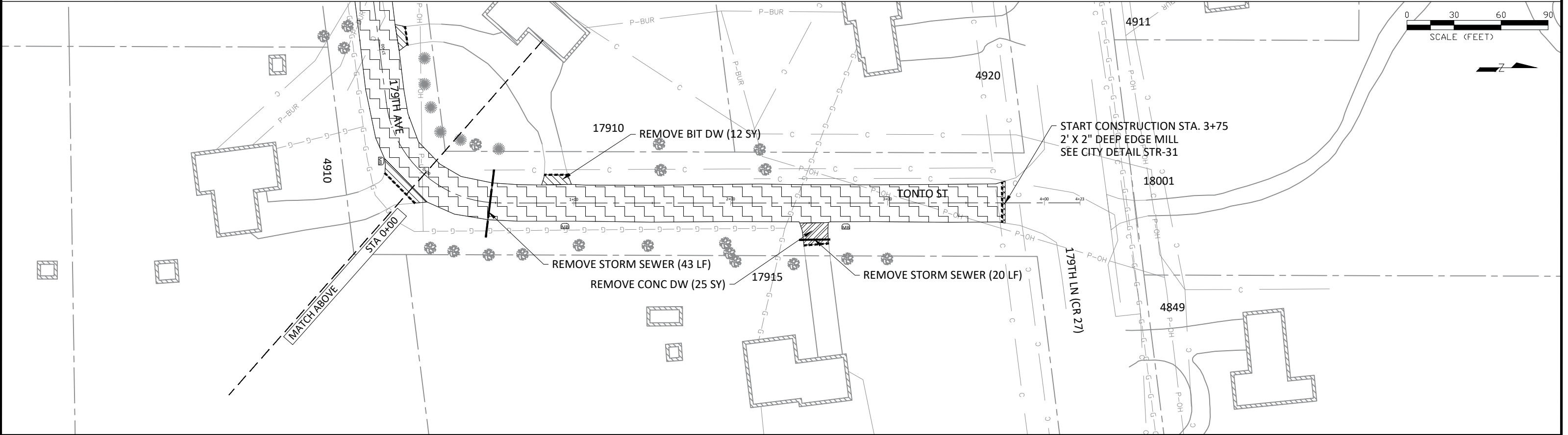
LEGEND		CLEAN STORM SEWER		FULL DEPTH RECLAMATION		CLEAR & GRUB		UNDERGROUND POWER		SALVAGE MAILBOX		NOTE: 1. REMOVALS WILL BE MARKED IN THE FIELD BY CITY STAFF. ALL REMOVALS MUST BE SAWCUT. 2. STORM SEWER REMOVAL LENGTH INCLUDES APRONS. 3. PROTECT LANDSCAPING AND IRRIGATION. PROPERTY OWNERS ARE TO LOCATE AND MOVE IRRIGATION BEFORE CONSTRUCTION. 4. EROSION CONTROL MUST BE IN-PLACE PRIOR TO REMOVALS.
—»—»—	REMOVE STORM SEWER	▨	REMOVE PAVEMENT - BITUMINOUS	▨	FULL DEPTH RECLAIM + SOIL CORRECTION	▨	MILL BIT PAVEMENT	—P-BUR—	OVERHEAD POWER	—P-OH—	GAS LINE	
----	SAWCUT - FULL DEPTH	▨	REMOVE PAVEMENT - CONCRETE	▨	REMOVE BIT FLUME	▨	EASEMENT - DRAINAGE & UTILITY	—G—	COMMUNICATION LINE	—C—		
----	REMOVE BIT CURB	▨	REMOVE GRAVEL	▨	REMOVE RIPRAP	▨	LOT LINE					

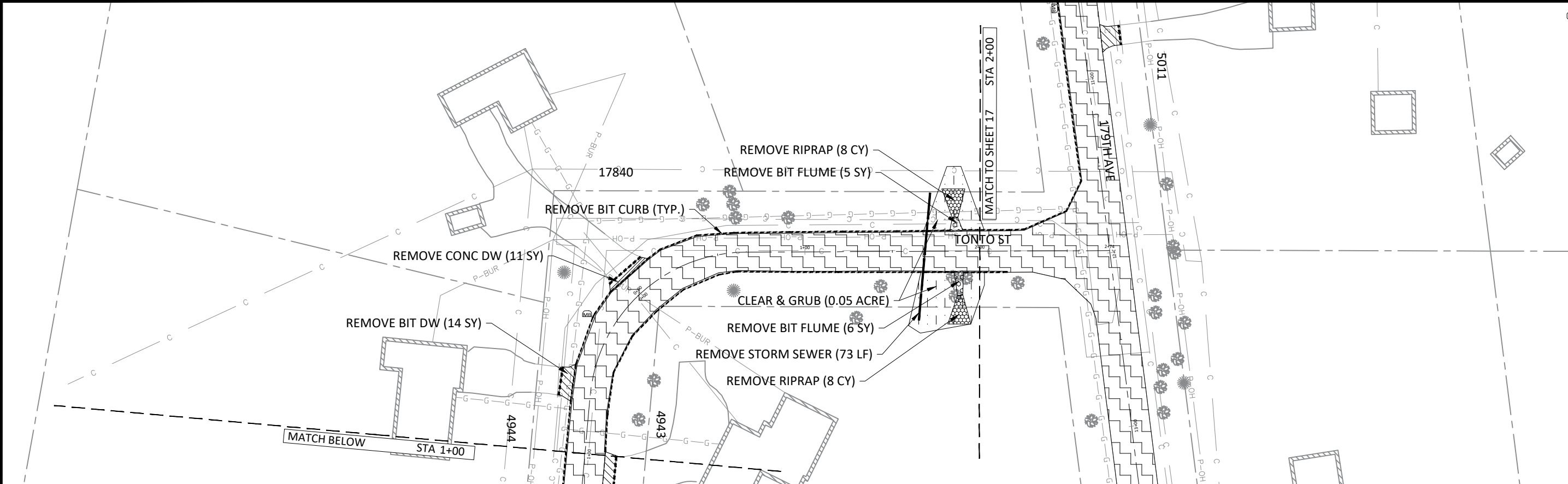




LEGEND									
	REMOVE STORM SEWER		REMOVE PAVEMENT - BITUMINOUS		FULL DEPTH RECLAMATION		CLEAR & GRUB		UNDERGROUND POWER
	SAWCUT - FULL DEPTH		REMOVE PAVEMENT - CONCRETE		FULL DEPTH RECLAIM + SOIL CORRECTION		MILL BIT PAVEMENT		OVERHEAD POWER
	REMOVE BIT CURB		REMOVE BIT FLUME		EASEMENT - DRAINAGE & UTILITY		EASEMENT - DRAINAGE & UTILITY		GAS LINE
			REMOVE GRAVEL		REMOVE RIPRAP		LOT LINE		COMMUNICATION LINE
									SALVAGE MAILBOX

NOTE:
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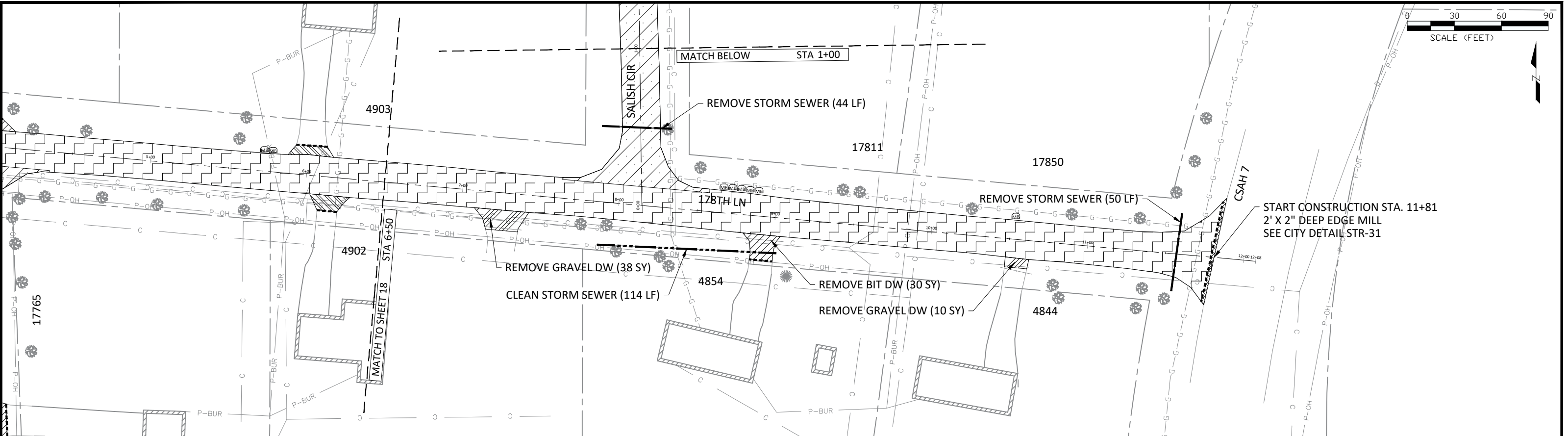


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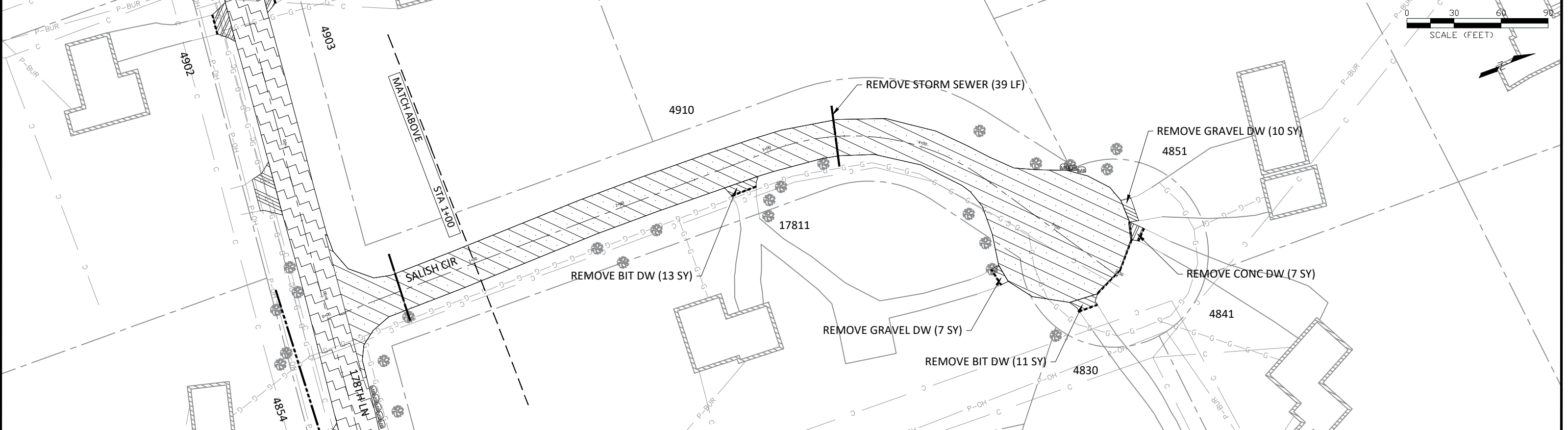
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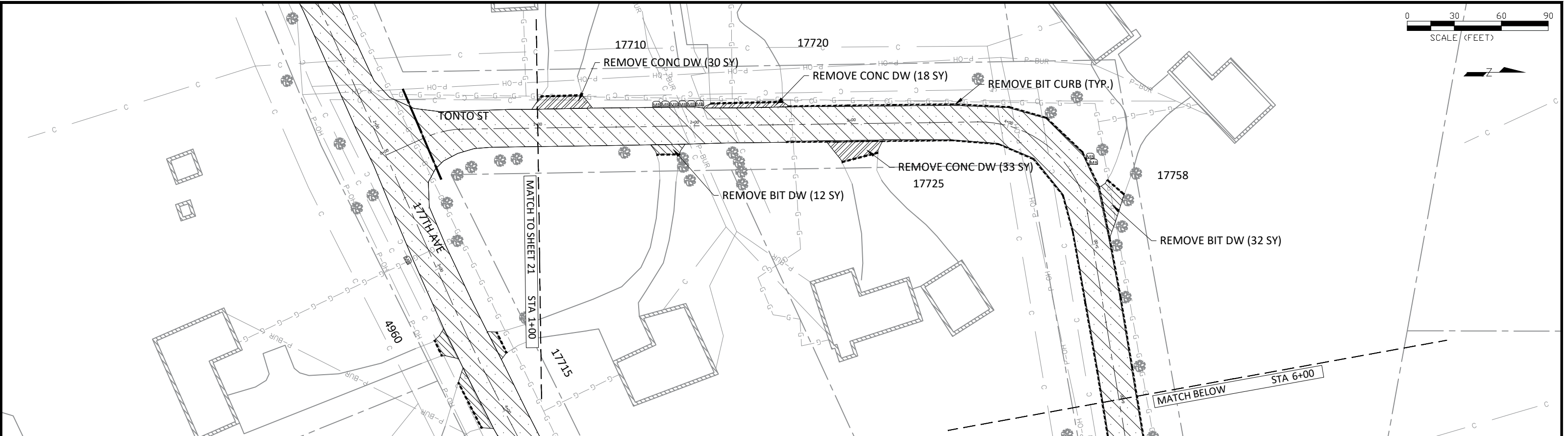


Dec 29, 2023 - 10:56am C:\Engineering\Project and Drawings\Projects\12\Section 01 - Completed\20-07\Plan Drawing\20-07-05-01 Ramsay.dwg	Date: <u>12/30/25</u> Lic. No.: <u>57095</u>	CHECKED BY: JJF 26-07		(763) 427-1410 FAX (763) 433-9898	CITY OF RAMSEY, MINNESOTA	40 SHEETS
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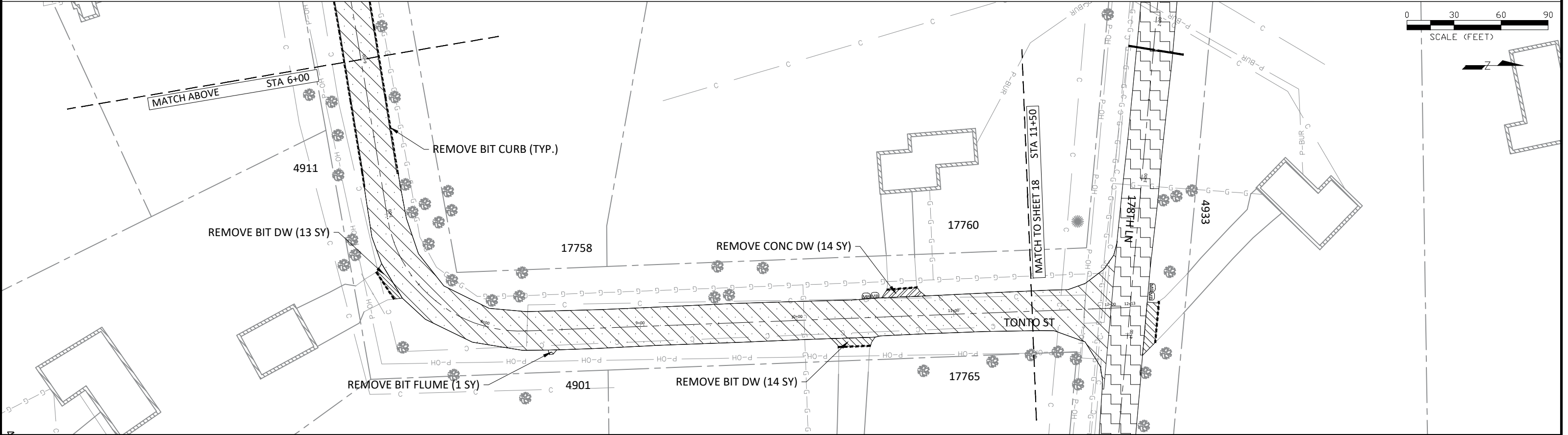


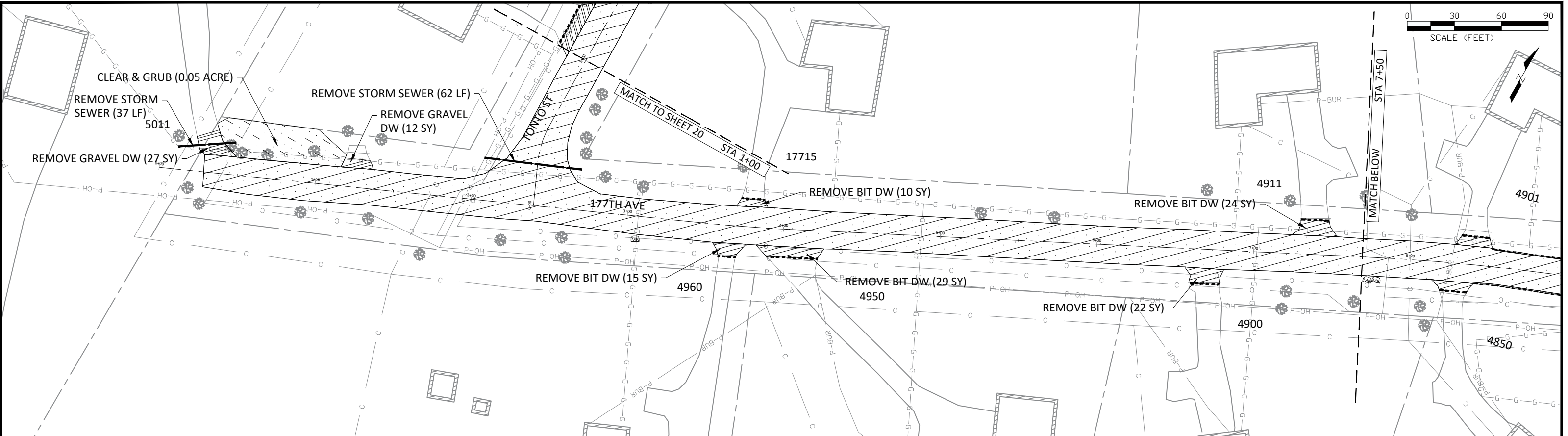
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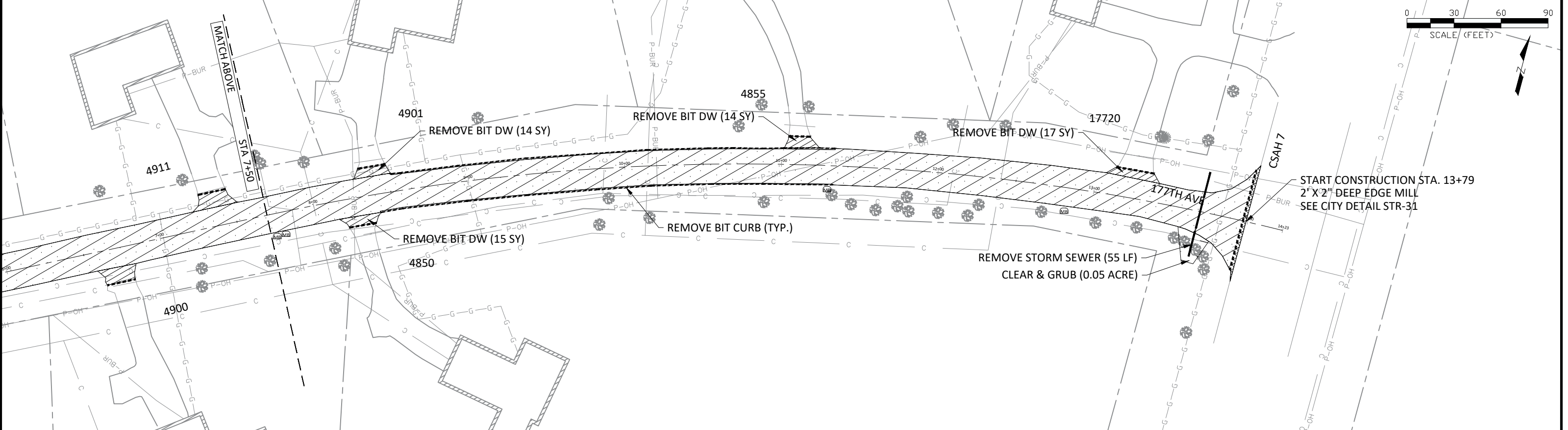
LEGEND												NOTE:	
	REMOVE STORM SEWER		CLEAN STORM SEWER		FULL DEPTH RECLAMATION		CLEAR & GRUB		UNDERGROUND POWER		SALVAGE MAILBOX	1. REMOVALS WILL BE MARKED IN THE FIELD BY CITY STAFF. ALL REMOVALS MUST BE SAWCUT. 2. STORM SEWER REMOVAL LENGTH INCLUDES APRONS. 3. PROTECT LANDSCAPING AND IRRIGATION. PROPERTY OWNERS ARE TO LOCATE AND MOVE IRRIGATION BEFORE CONSTRUCTION. 4. EROSION CONTROL MUST BE IN-PLACE PRIOR TO REMOVALS.	
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			REMOVE GRAVEL		REMOVE RIPRAP		LOT LINE						

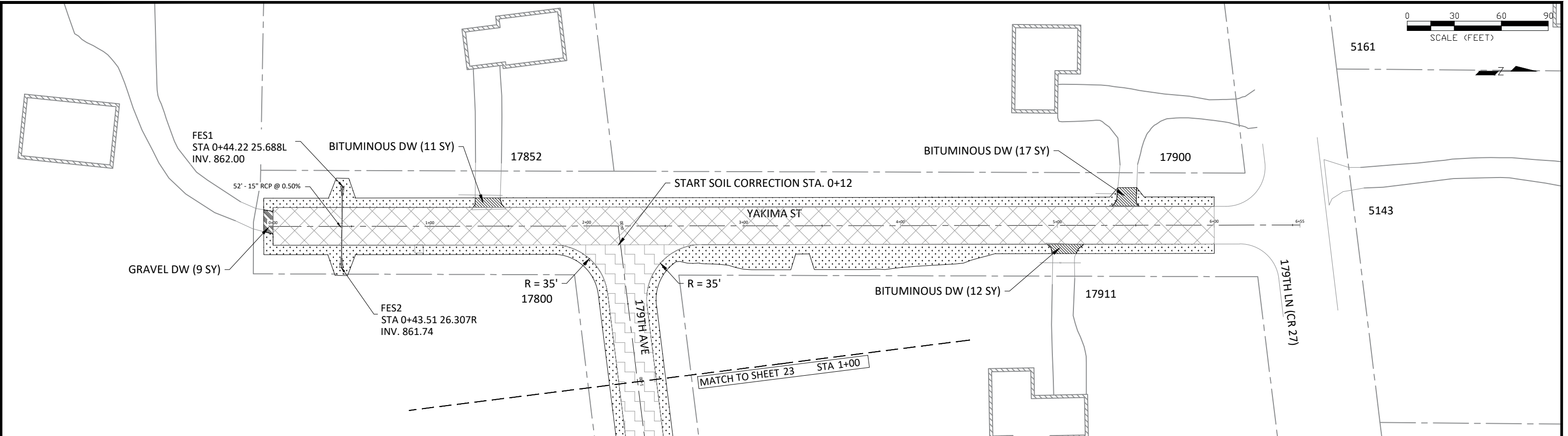




LEGEND
- - - - - REMOVE STORM SEWER
- - - - - SAWCUT - FULL DEPTH
- - - - - REMOVE BIT CURB
- - - - - CLEAN STORM SEWER
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- - - - - REMOVE RIPRAP
- - - - - CLEAR & GRUB
- - - - - MILL BIT PAVEMENT
- - - - - EASEMENT - DRAINAGE & UTILITY
- - - - - LOT LINE
- - - - - UNDERGROUND POWER
- - - - - OVERHEAD POWER
- - - - - GAS LINE
- - - - - COMMUNICATION LINE
- - - - - SALVAGE MAILBOX

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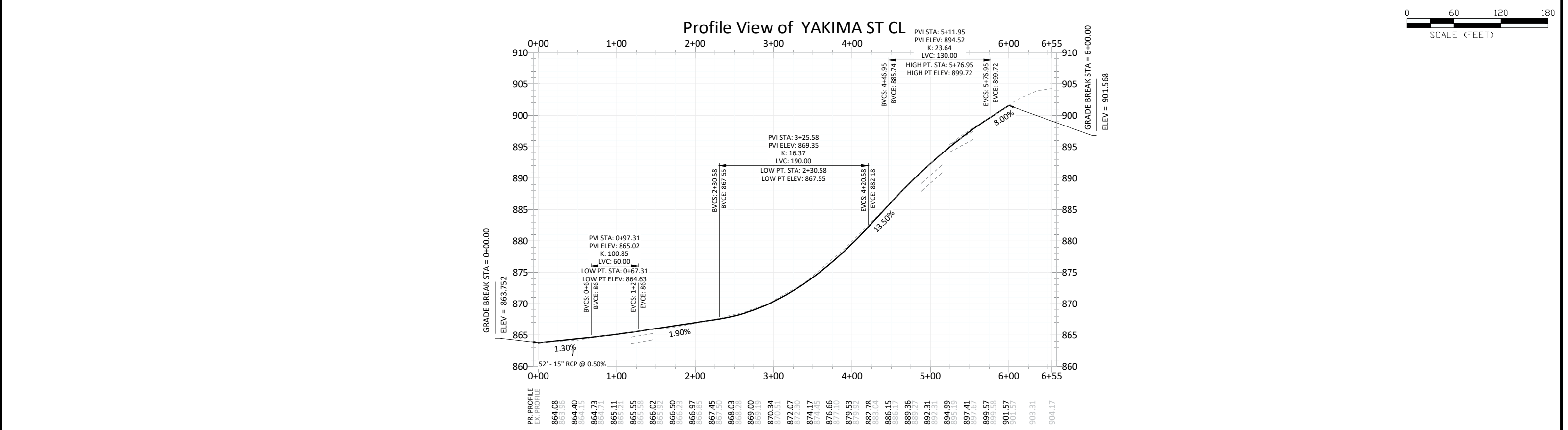


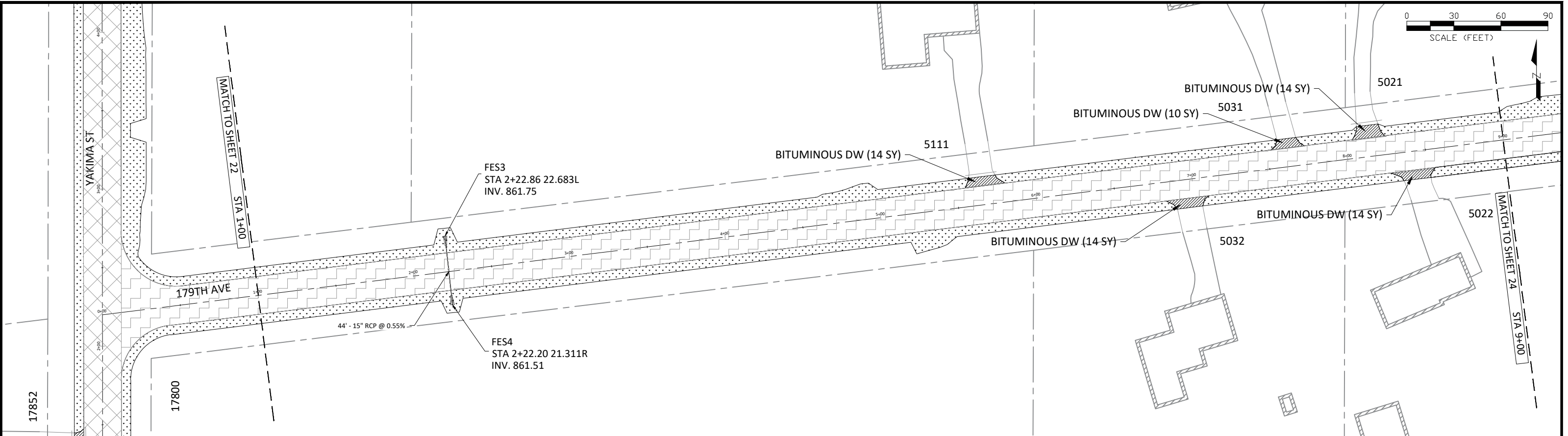


LEGEND

	BIT PAVEMENT		SOIL CORRECTION + BIT PAVEMENT		RIPRAP CLASS III		PR. STORM CATCH BASIN
	SURMOUNTABLE CURB & GUTTER		DRIVEWAY - CONCRETE		CONCRETE FLUME		PR. FLARED END SECTION
	SEEDING AREA		DRIVEWAY - BITUMINOUS		EX. STORM SEWER		EASEMENT - DRAINAGE & UTILITY
			DRIVEWAY - GRAVEL		PR. STORM SEWER		LOT LINE

NOTE: 1. STREET WIDTHS ARE 24' B-B UNLESS OTHERWISE NOTED.
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4. RESTORE ALL DISTURBED AREAS WITH MINIMUM 4" TOPSOIL AND HYDROSEED WITH MNDOT RESIDENTIAL TURFGRASS MIXTURE UNLESS OTHERWISE NOTED.
5. DRIVEWAYS WITH CURB AND GUTTER TO HAVE CURB CUTS ADDED PER CITY DETAIL STR-1.
6. PIPE LENGTHS INCLUDE FLARED END SECTIONS.

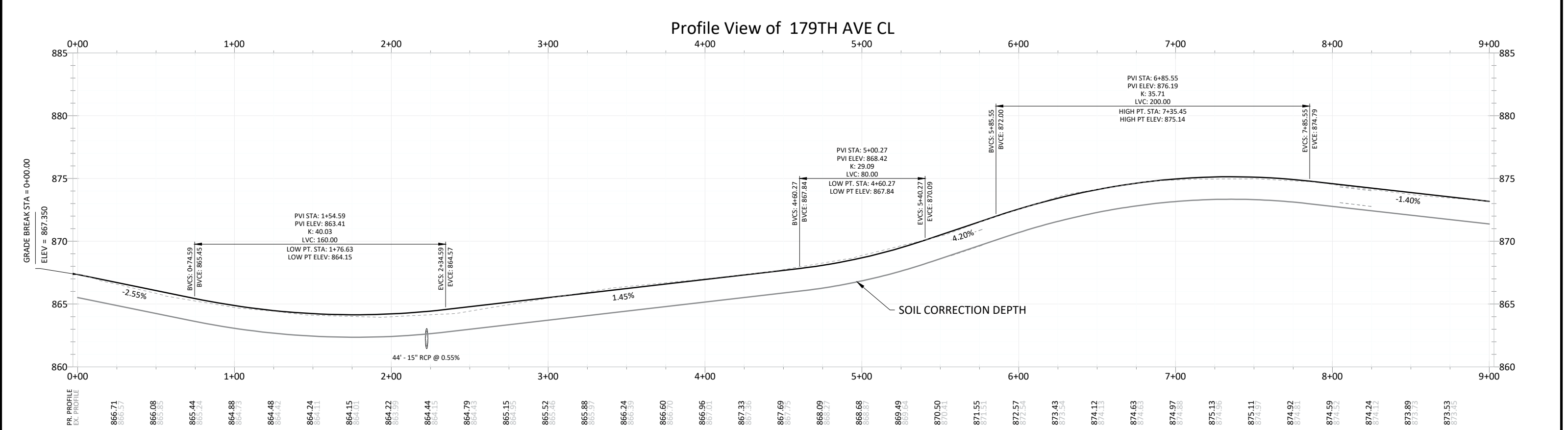




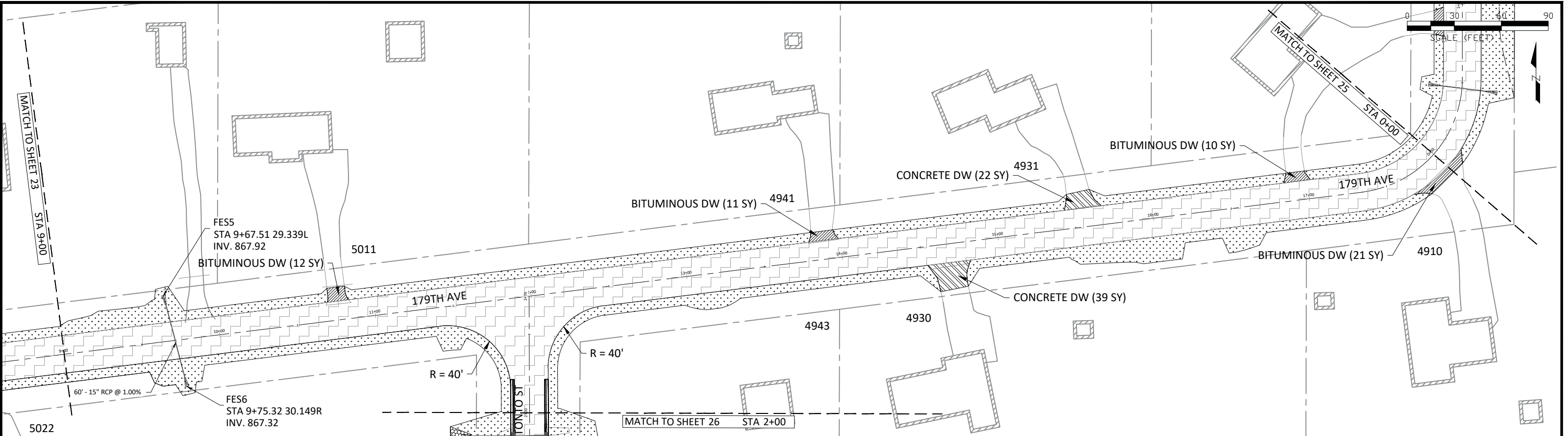
LEGEND

	BIT PAVEMENT		SOIL CORRECTION + BIT PAVEMENT		RIPRAP CLASS III		PR. STORM CATCH BASIN
	SURMOUNTABLE CURB & GUTTER		DRIVEWAY - CONCRETE		CONCRETE FLUME		PR. FLARED END SECTION
	SEEDING AREA		DRIVEWAY - BITUMINOUS		EX. STORM SEWER		EASEMENT - DRAINAGE & UTILITY
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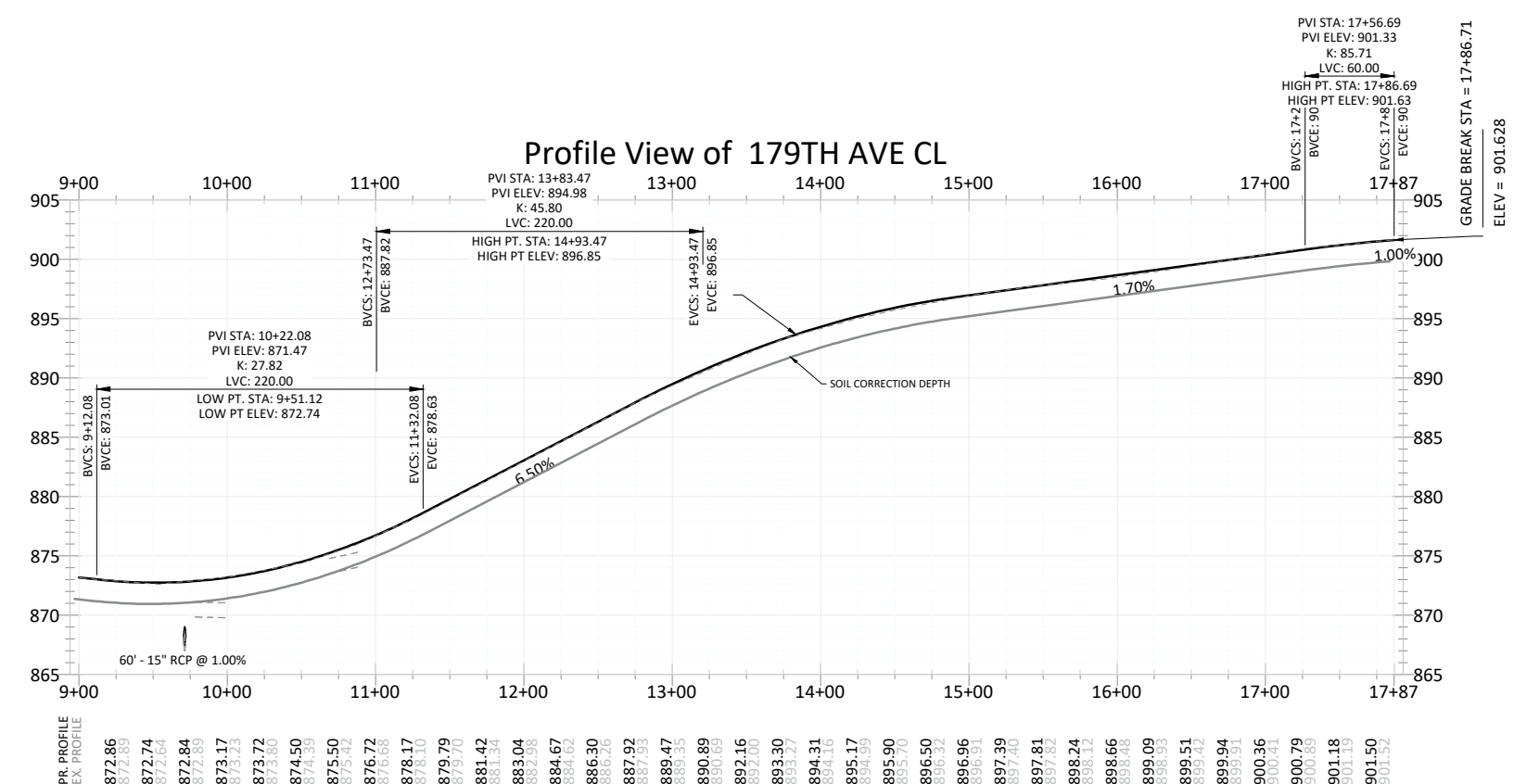
<table><tr><th>DATE</th><th>REVISION</th></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	DATE	REVISION							I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota JOE FERIANCEK Date <u>12/30/25</u> Lic. No. <u>57095</u>	<table><tr><td>DESIGNED BY:</td><td>LWC</td></tr><tr><td>DRAWN BY:</td><td>LWC</td></tr><tr><td>CHECKED BY:</td><td>JJF</td></tr></table> DATE: 12/30/25 FILE: 26-07	DESIGNED BY:	LWC	DRAWN BY:	LWC	CHECKED BY:	JJF	CITY OF RAMSEY 7550 SUNWOOD DRIVE RAMSEY, MN 55303 (763) 427-1410 FAX (763) 433-9898	STREET CONSTRUCTION	SECTION 01 UNPLATTED (S. CR 27) STREET RECONSTRUCTIONS CITY PROJECT NO. 26-07 CITY OF RAMSEY, MINNESOTA	SHEET 23 OF 46 SHEETS
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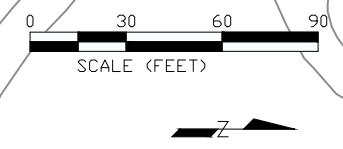
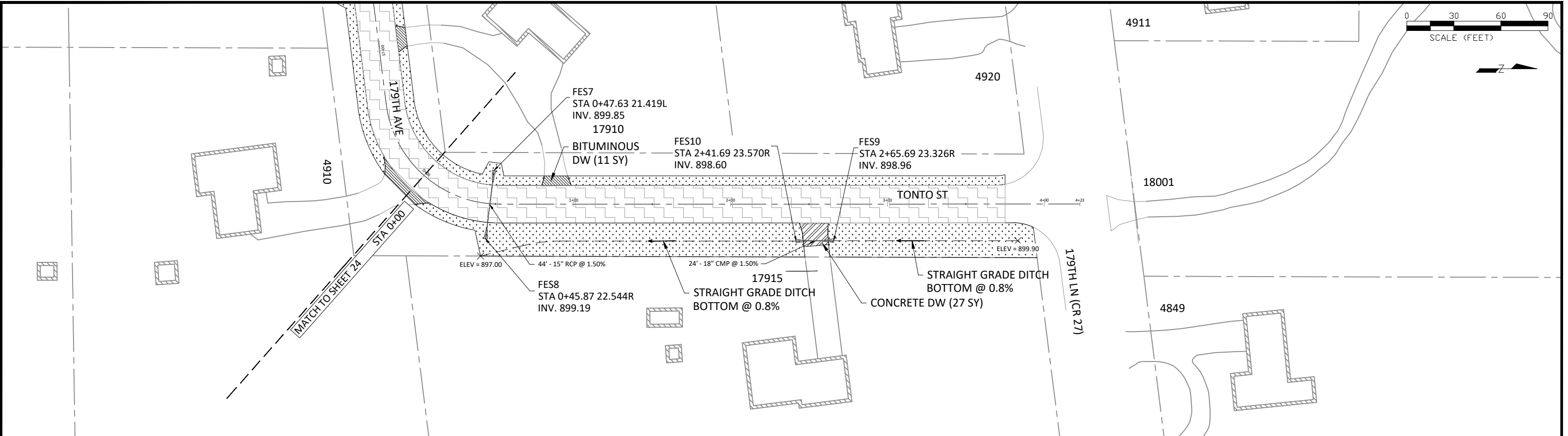


LEGEND

	BIT PAVEMENT		SOIL CORRECTION + BIT PAVEMENT		RIPRAP CLASS III		PR. STORM CATCH BASIN
	SURMOUNTABLE CURB & GUTTER		DRIVEWAY - CONCRETE		CONCRETE FLUME		PR. FLARED END SECTION
	SEEDING AREA		DRIVEWAY - BITUMINOUS		EX. STORM SEWER		EASEMENT - DRAINAGE & UTILITY
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6. PIPE LENGTHS INCLUDE FLARED END SECTIONS.





LEGEND

- BIT PAVEMENT
- SURMOUNTABLE CURB & GUTTER
- SEEDING AREA

SOIL CORRECTION + BIT PAVEMENT

DRIVEWAY - CONCRETE

DRIVEWAY - BITUMINOUS

DRIVEWAY - GRAVEL

RIPRAP CLASS III

CONCRETE FLUME

EX. STORM SEWER

PR. STORM SEWER

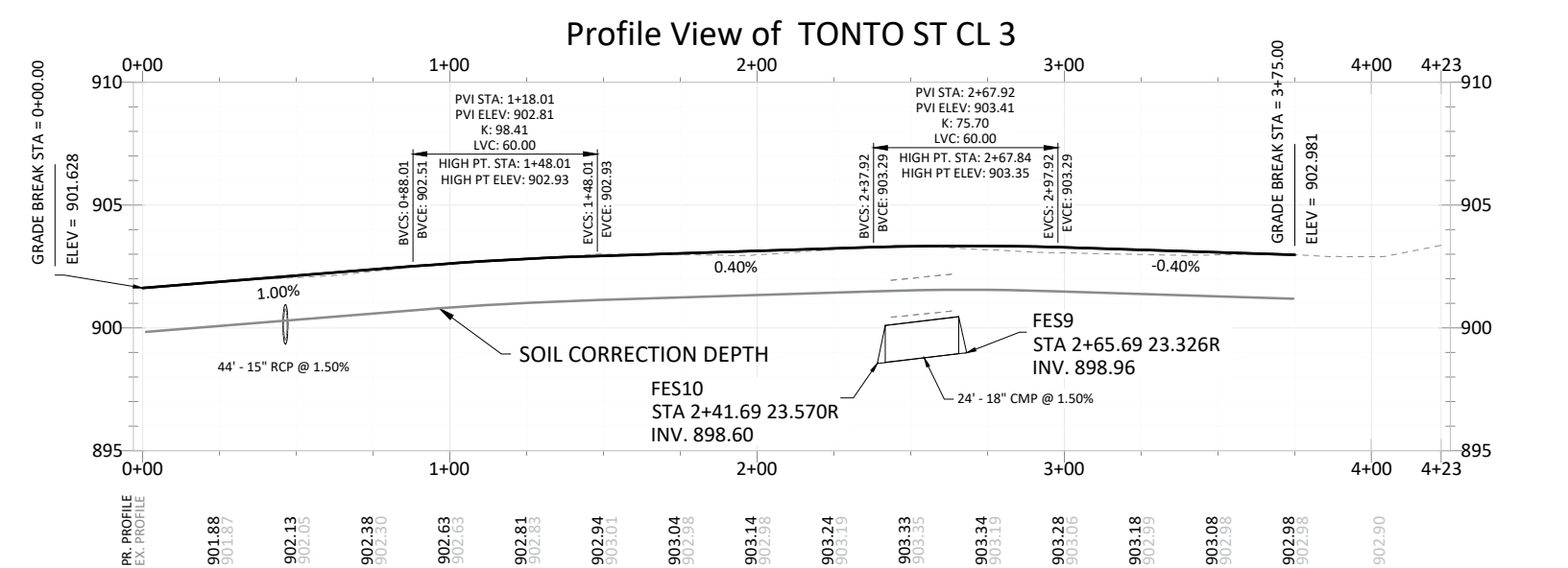
PR. STORM CATCH BASIN

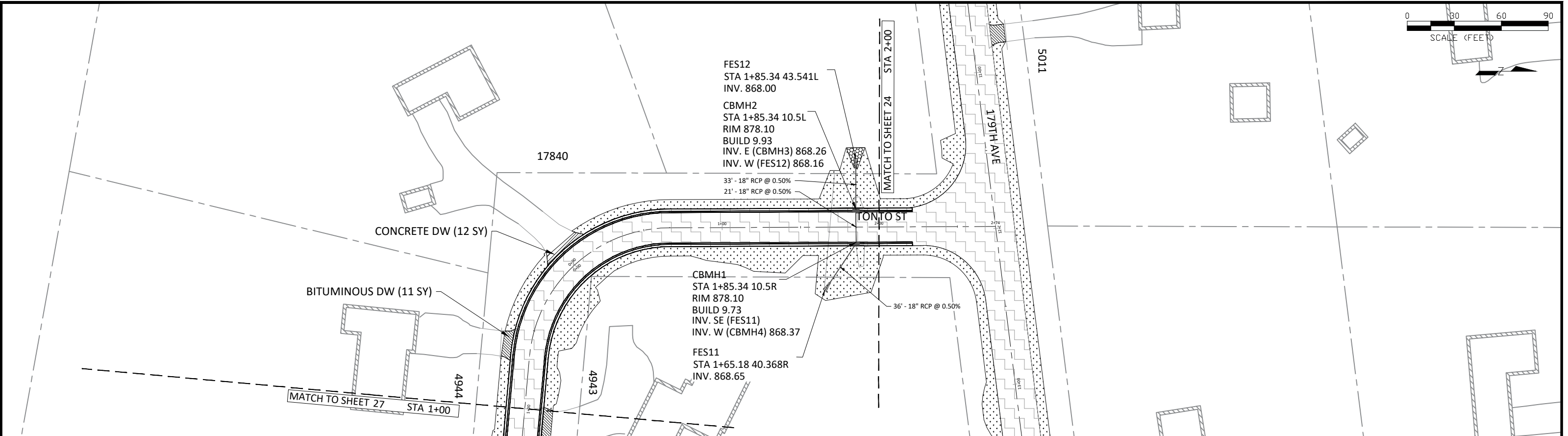
PR. FLARED END SECTION

EASEMENT - DRAINAGE & UTILITY

LOT LINE

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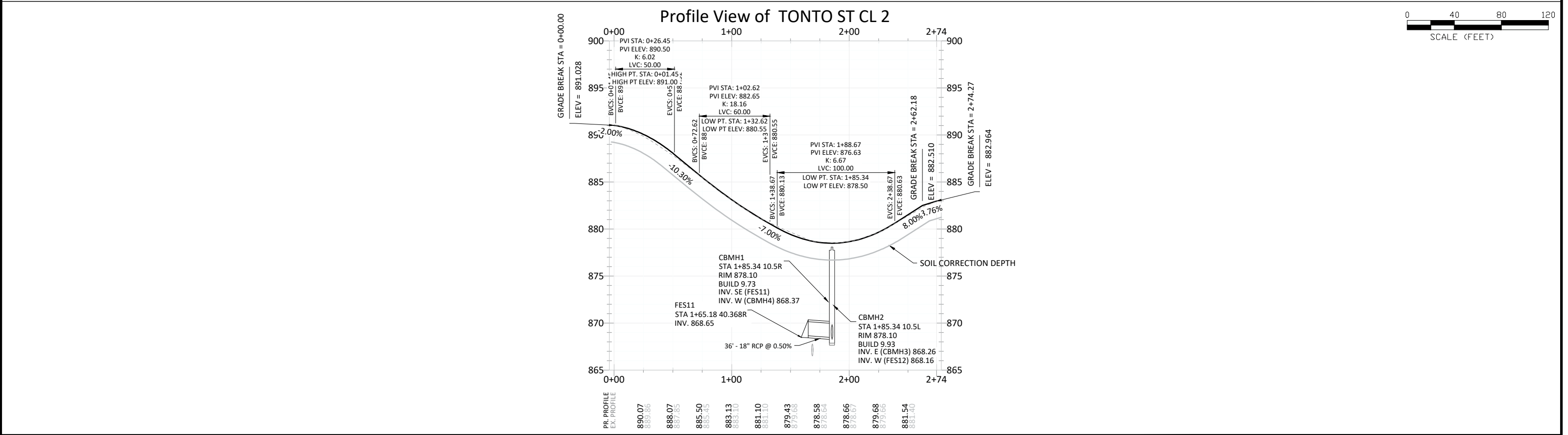


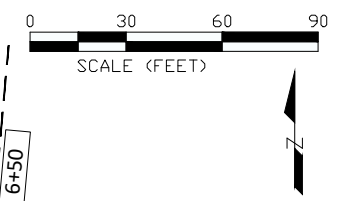
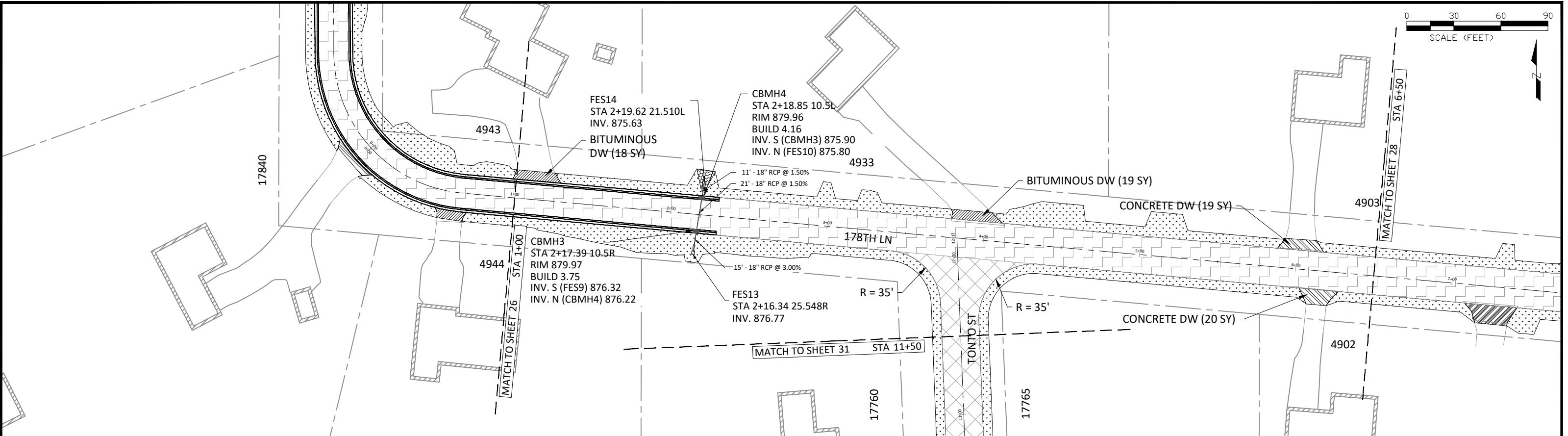


LEGEND

	BIT PAVEMENT		SOIL CORRECTION + BIT PAVEMENT		RIPRAP CLASS III		PR. STORM CATCH BASIN
	SURMOUNTABLE CURB & GUTTER		DRIVEWAY - CONCRETE		CONCRETE FLUME		PR. FLARED END SECTION
	SEEDING AREA		DRIVEWAY - BITUMINOUS		EX. STORM SEWER		EASEMENT - DRAINAGE & UTILITY
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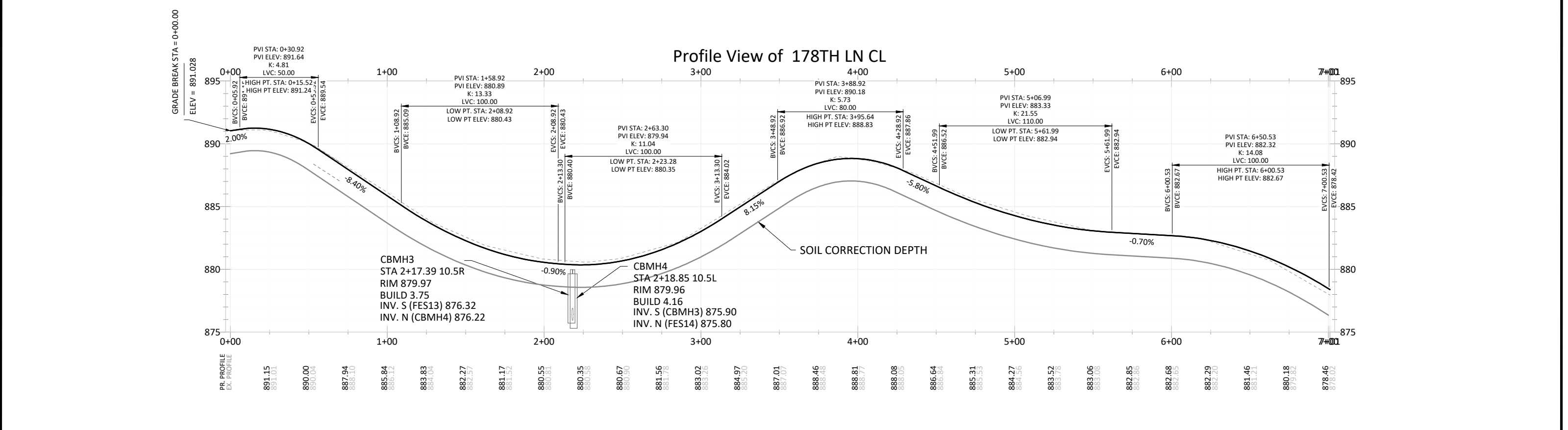


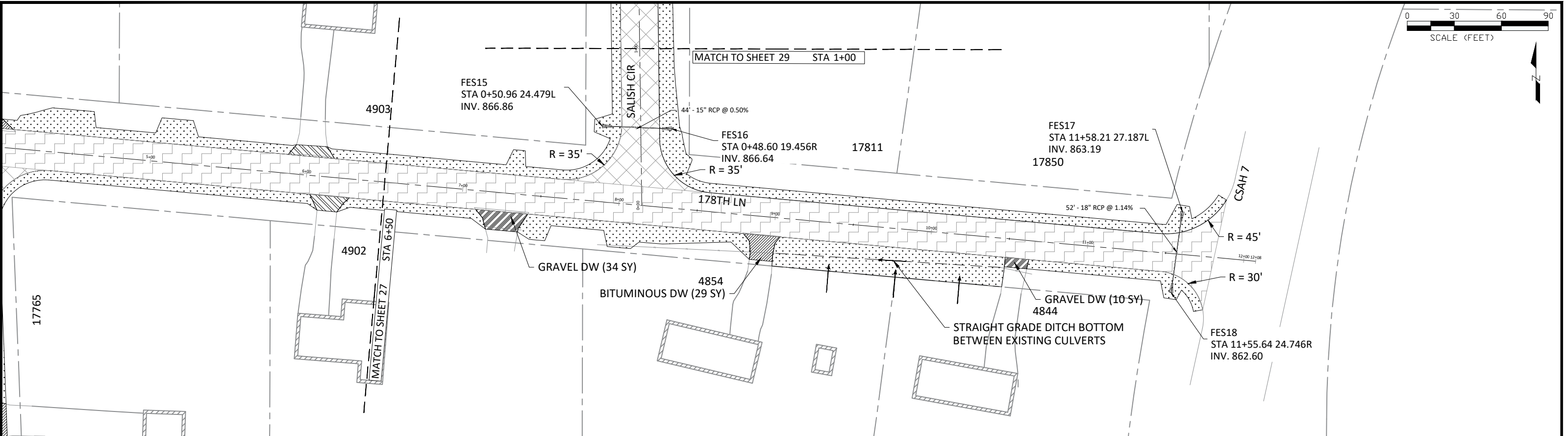
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	SURMOUNTABLE CURB & GUTTER		DRIVEWAY - CONCRETE		CONCRETE FLUME		PR. FLARED END SECTION
	SEEDING AREA		DRIVEWAY - BITUMINOUS		EX. STORM SEWER		EASEMENT - DRAINAGE & UTILITY
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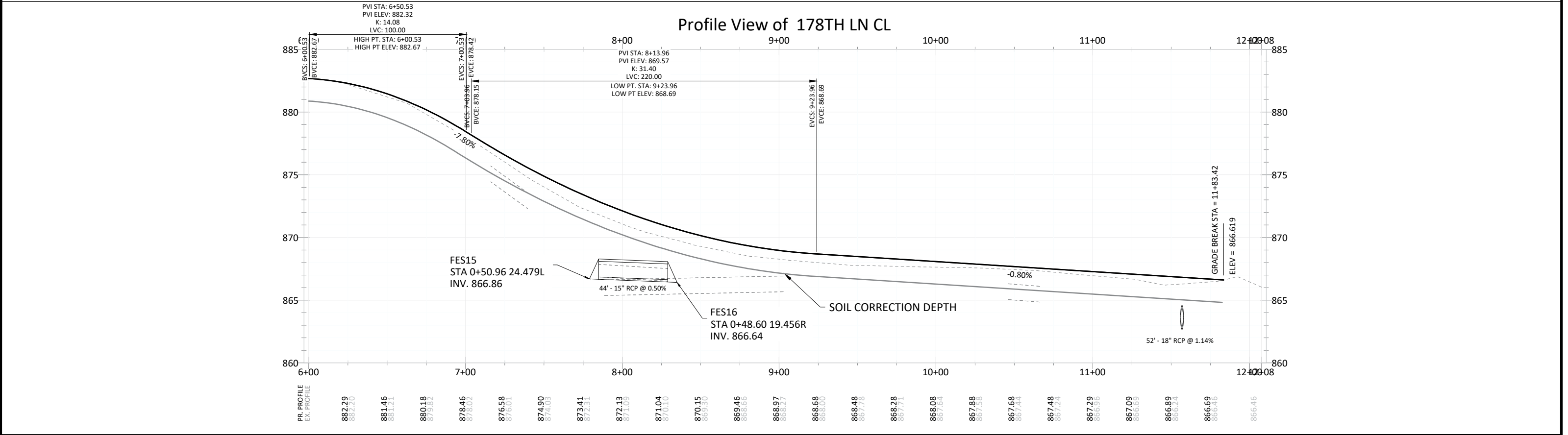




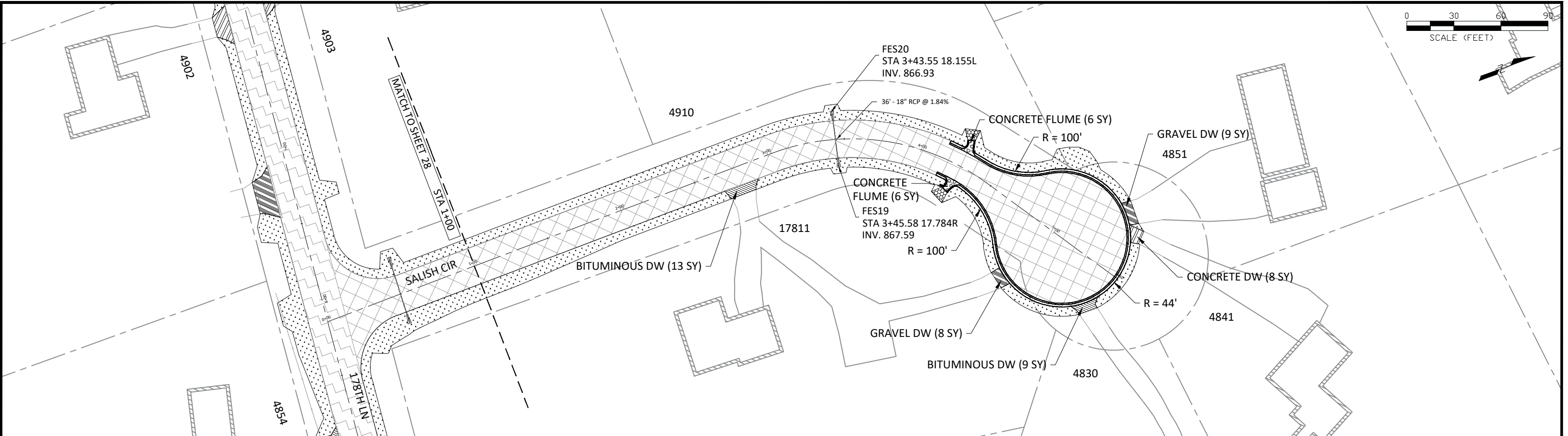
LEGEND

	BIT PAVEMENT		RIPRAP CLASS III		PR. STORM CATCH BASIN
	SURMOUNTABLE CURB & GUTTER		CONCRETE FLUME		PR. FLARED END SECTION
	SEEDING AREA		EX. STORM SEWER		EASEMENT - DRAINAGE & UTILITY
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			DRAWN BY: LWC					
			CHECKED BY: JJF					
			DATE: 12/30/25 FILE: 26-07					



LEGEND

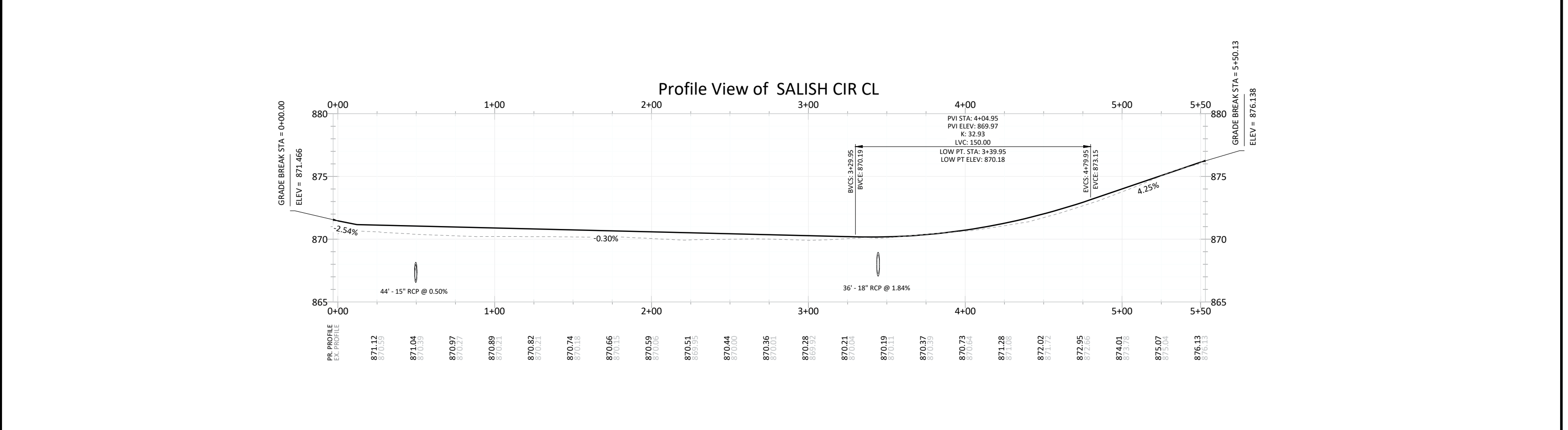
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 SEEDING AREA

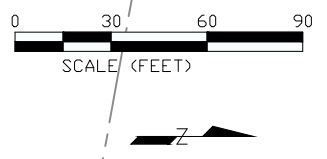
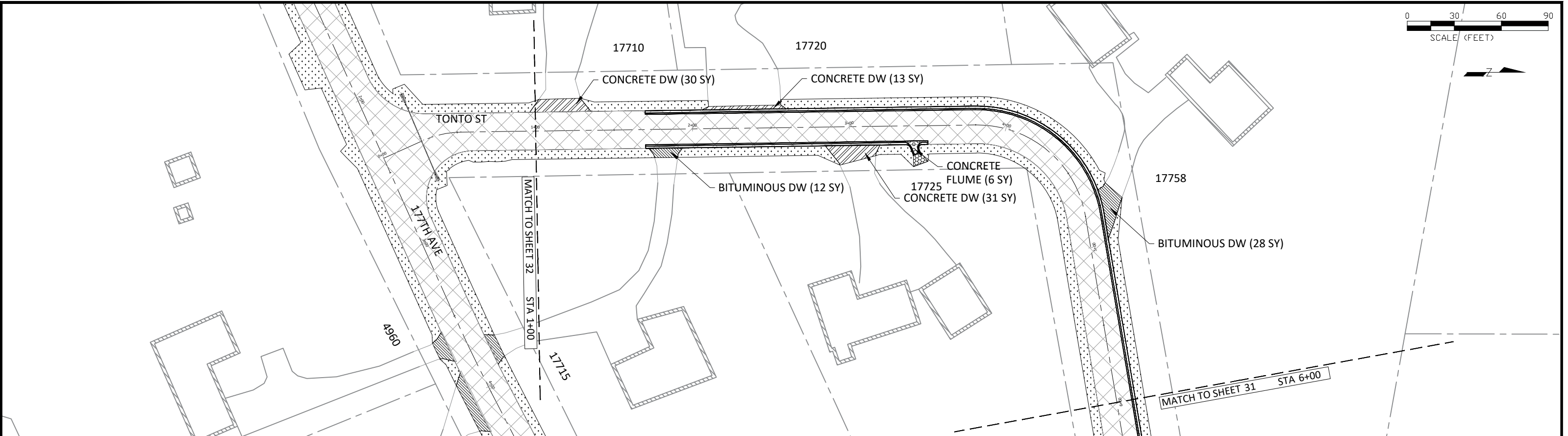
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 DRIVEWAY - BITUMINOUS
 DRIVEWAY - GRAVEL
 CONCRETE FLUME

RIPRAP CLASS III
 PR. STORM CATCH BASIN
 EX. STORM SEWER
 PR. STORM SEWER

PR. FLARED END SECTION
 EASEMENT - DRAINAGE & UTILITY
 LOT LINE

NOTE:
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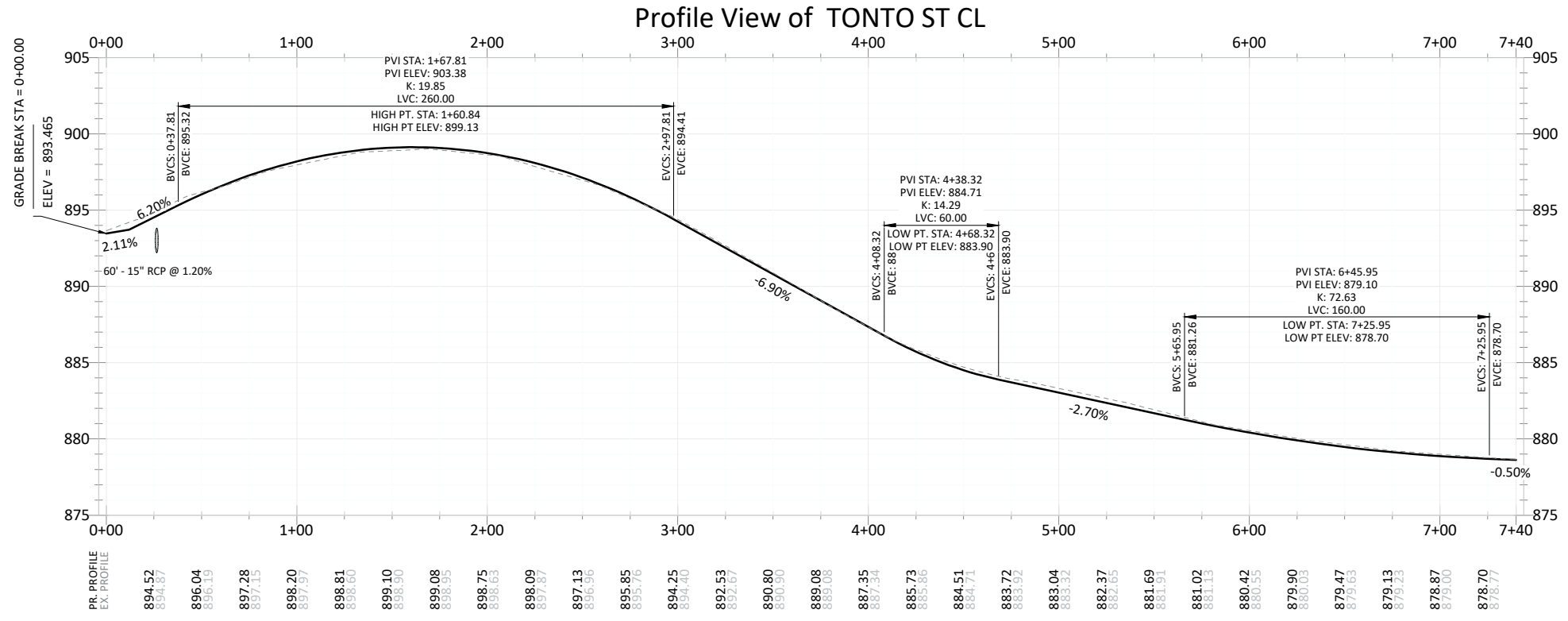
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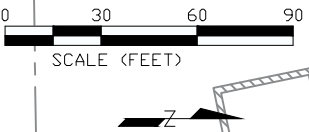
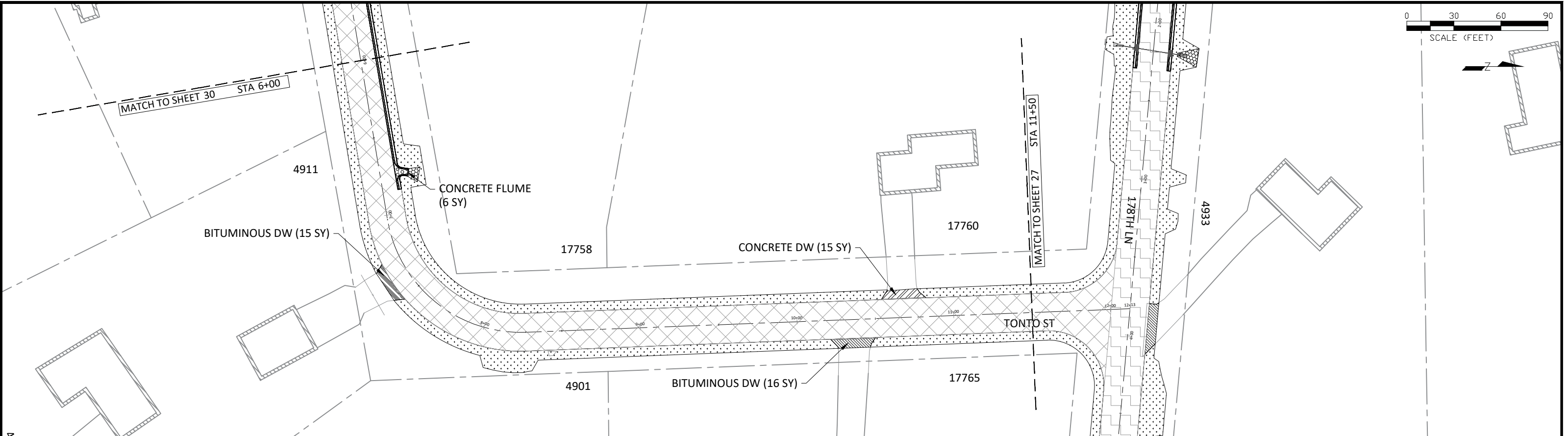
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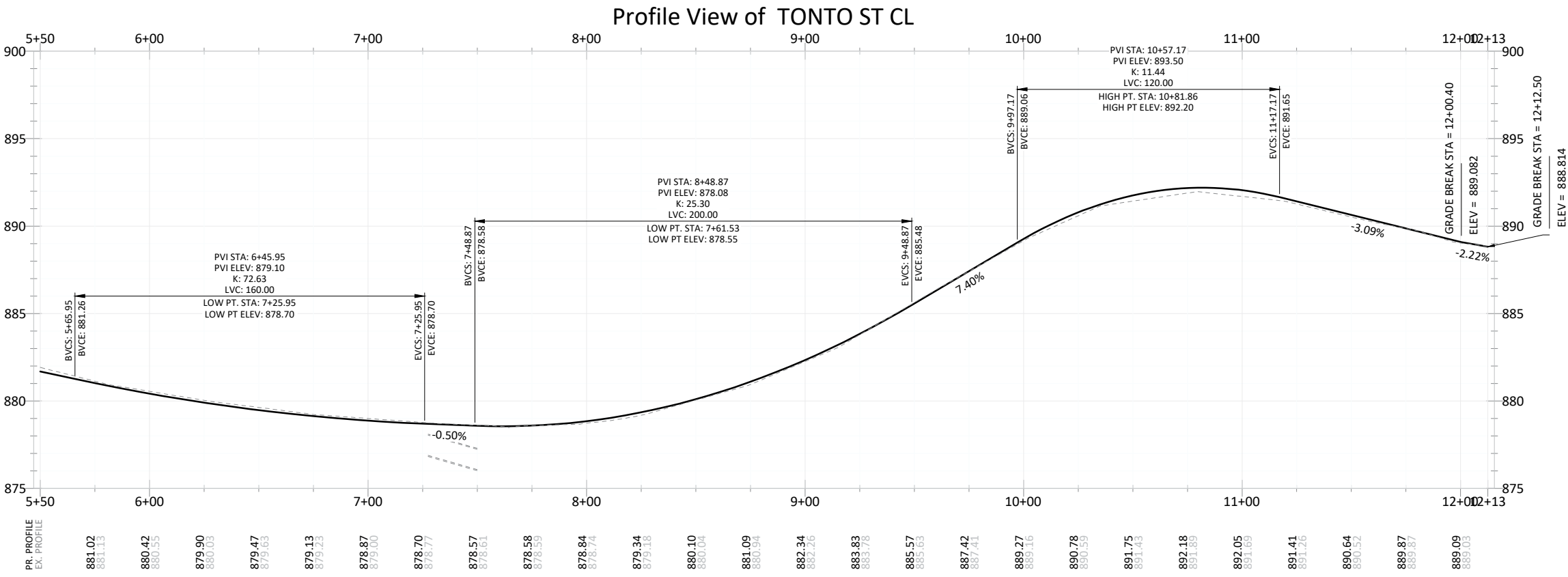


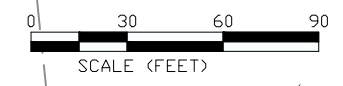
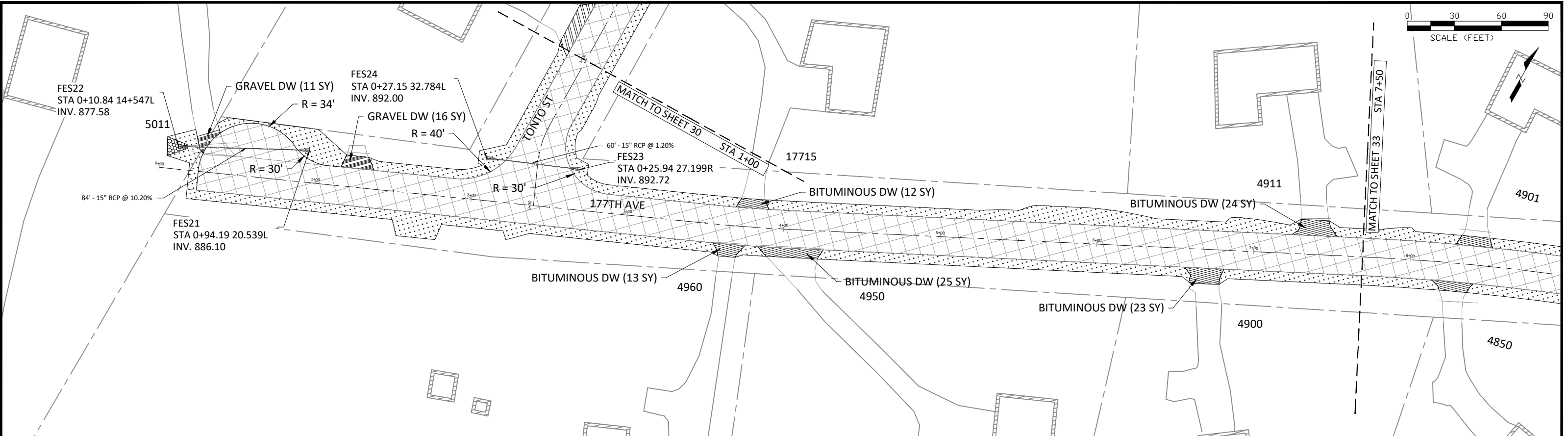


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 - SEEDING AREA
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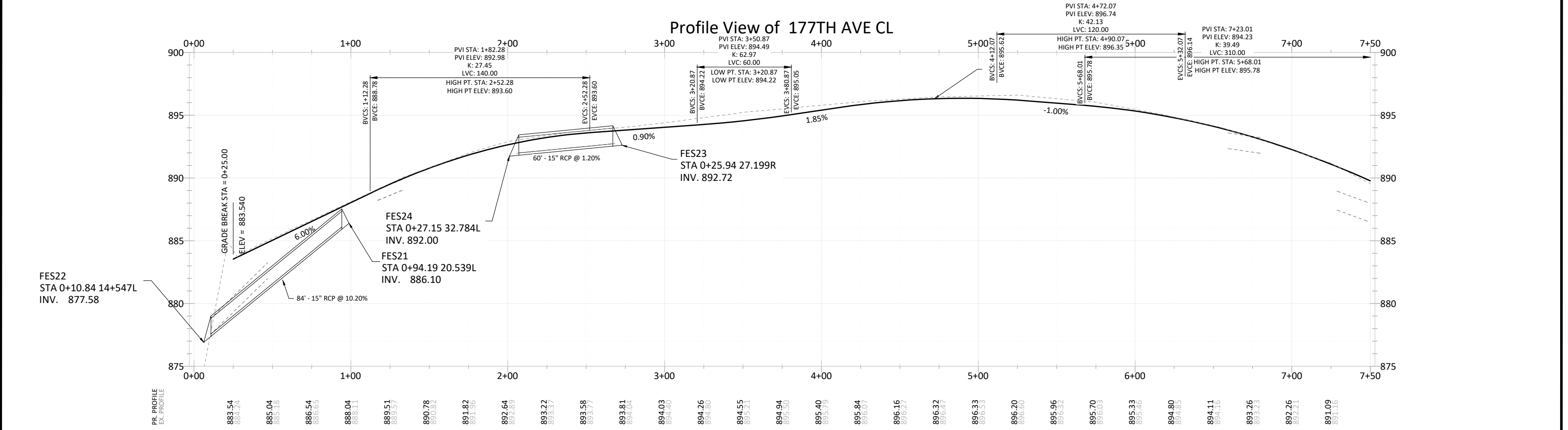
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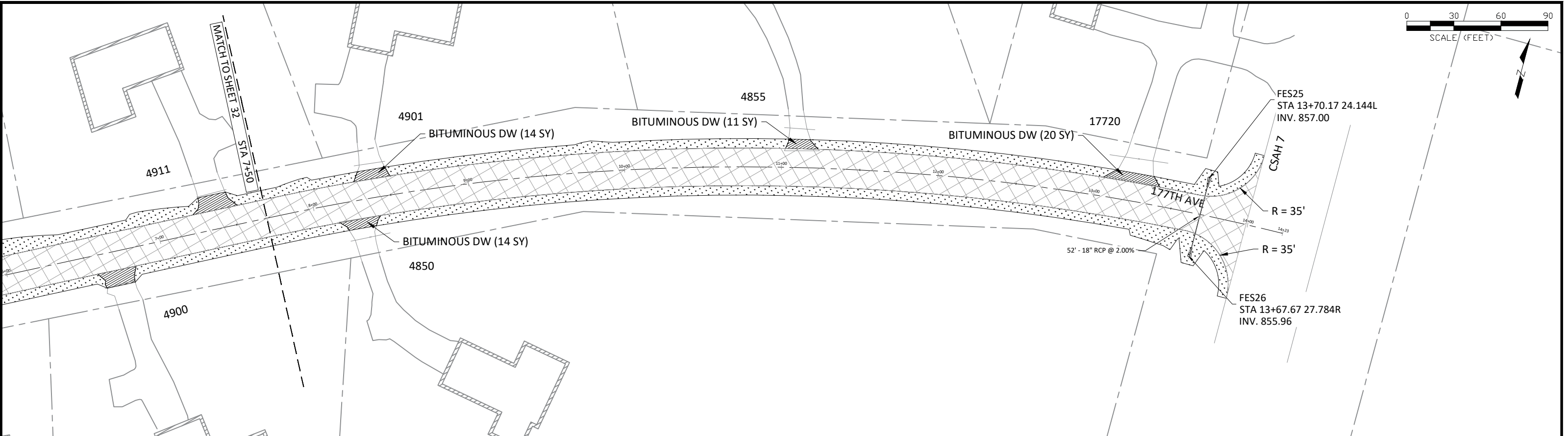
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			DRAWN BY: LWC	DATE: 12/30/25					
			CHECKED BY: JJF	FILE: 26-07					

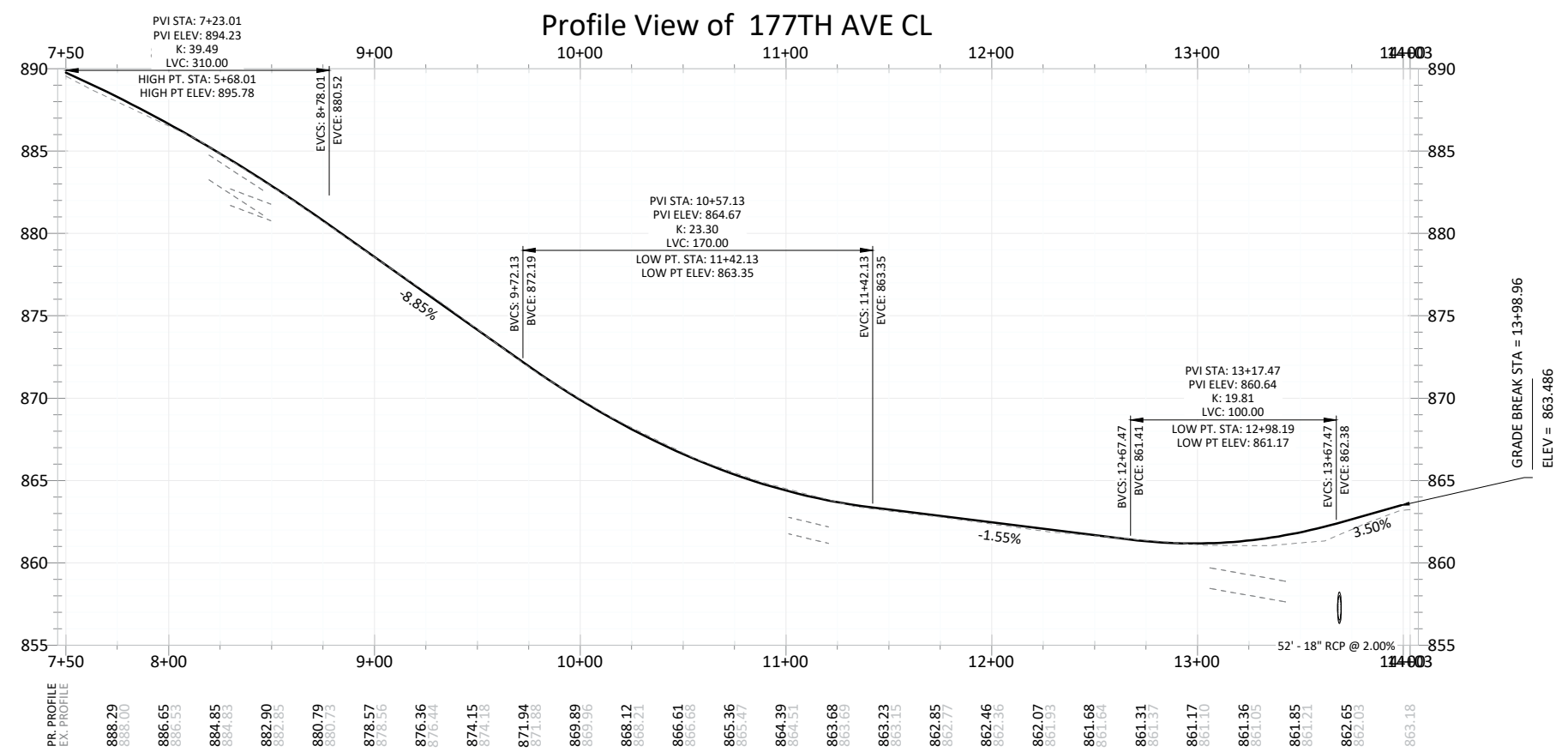
JOE FERIANCEK
Date 12/30/25 Lic. No. 57095

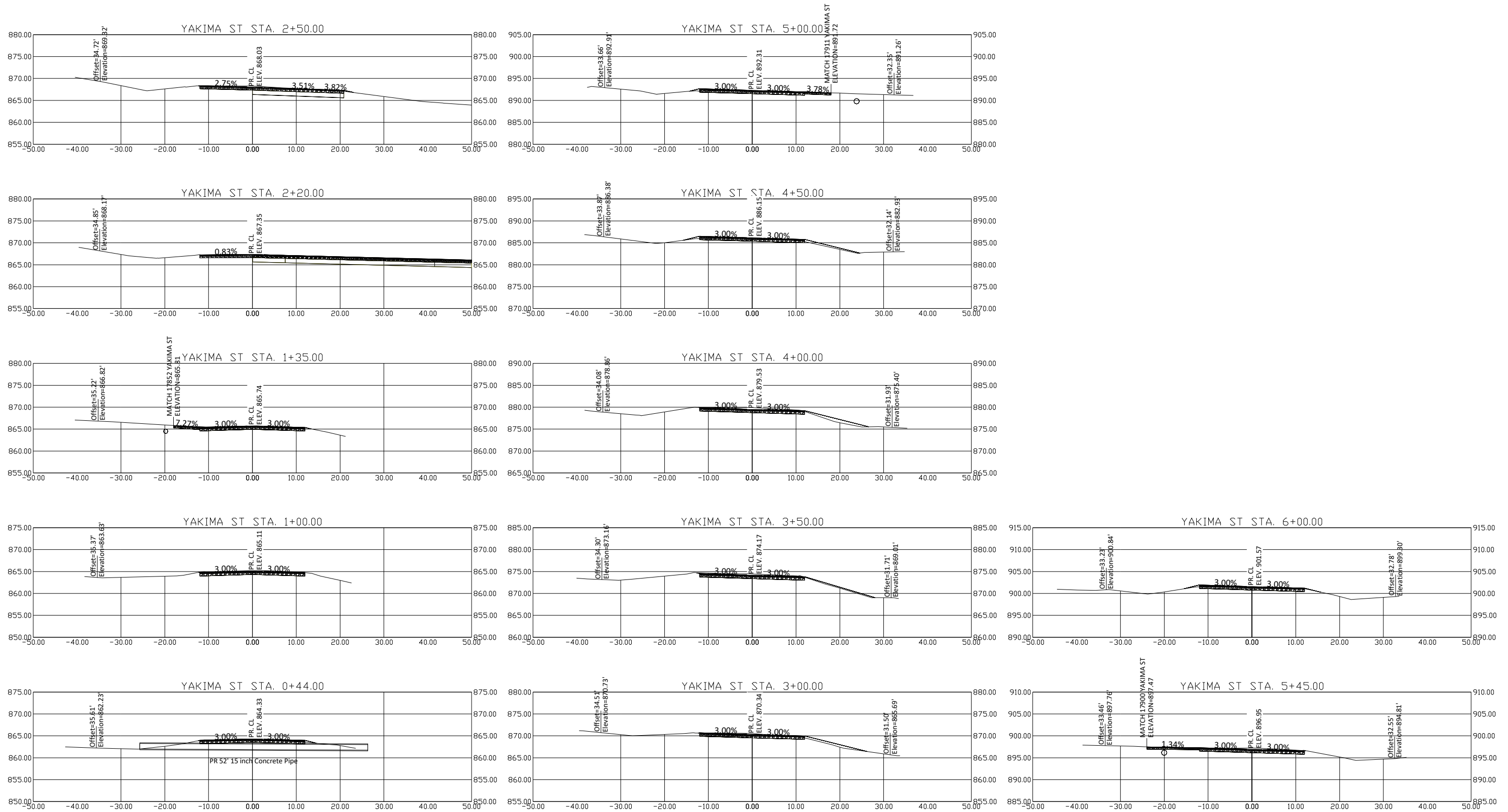


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	SURMOUNTABLE CURB & GUTTER		DRIVEWAY - BITUMINOUS		PR. STORM SEWER		EASEMENT - DRAINAGE & UTILITY		LOT LINE
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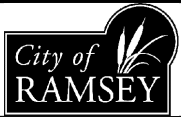


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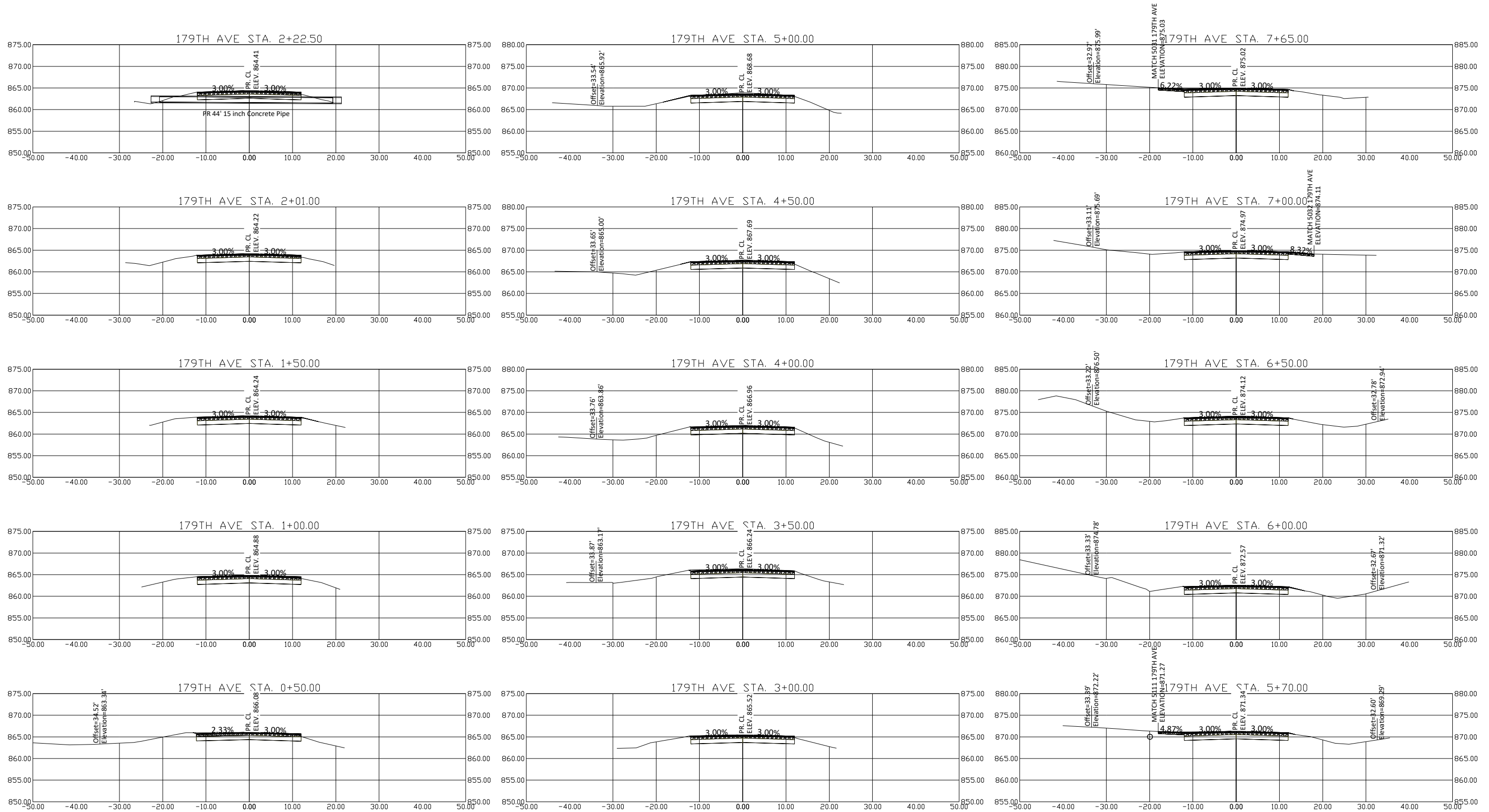
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CITY OF RAMSEY
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CROSS SECTIONS

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CITY PROJECT NO. 26-07
CITY OF RAMSEY, MINNESOTA

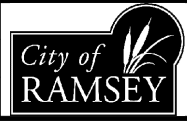


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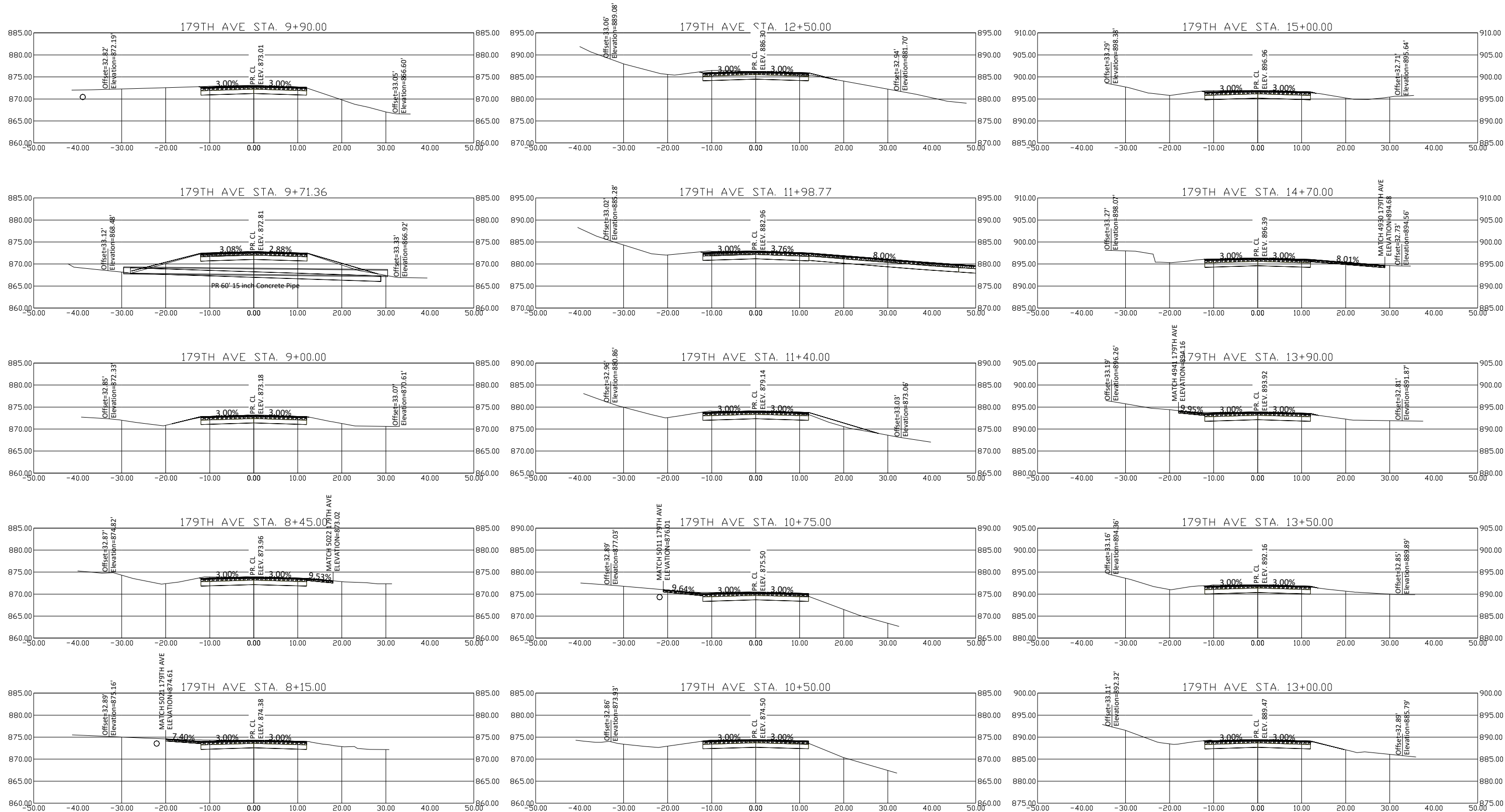
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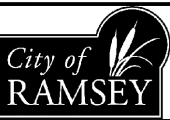


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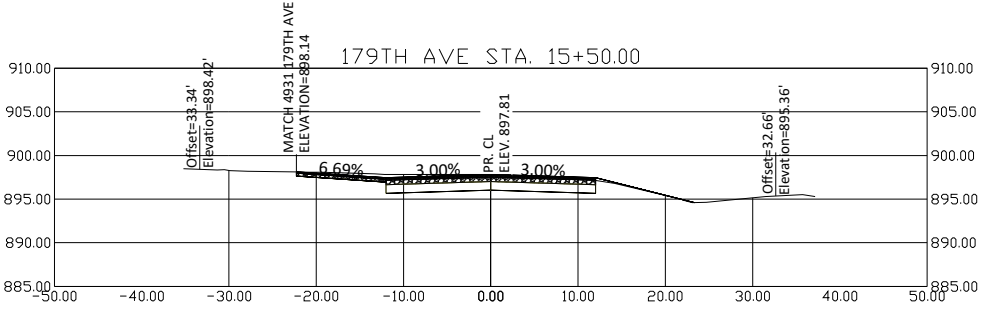
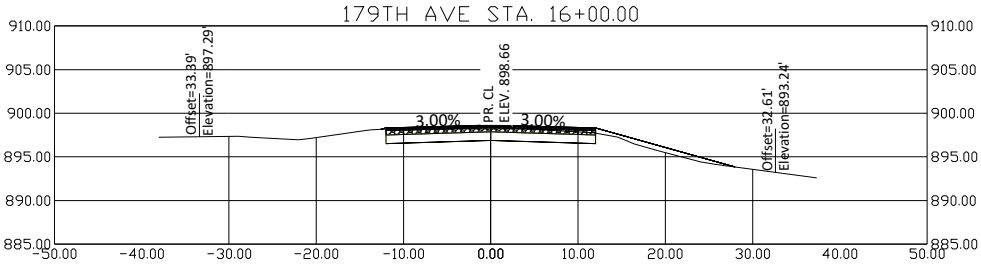
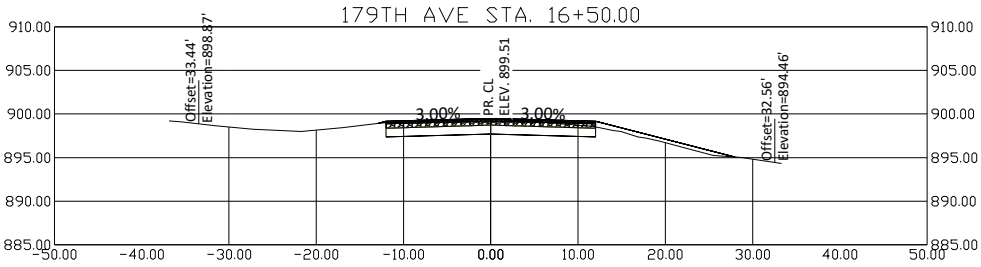
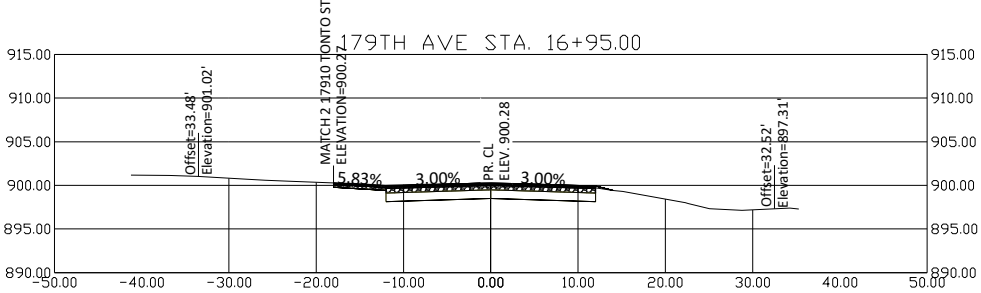
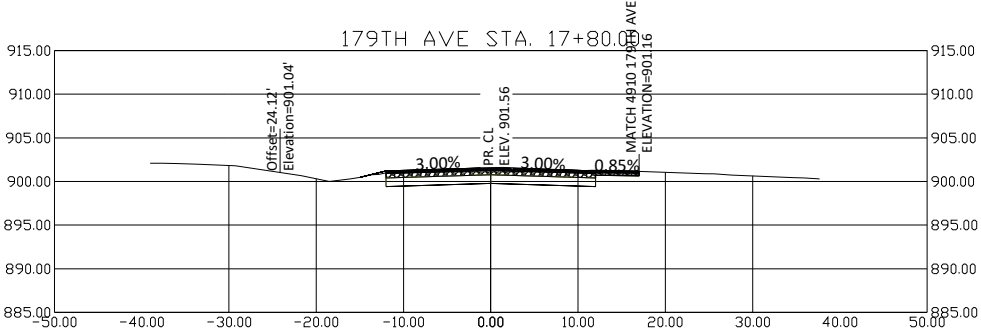
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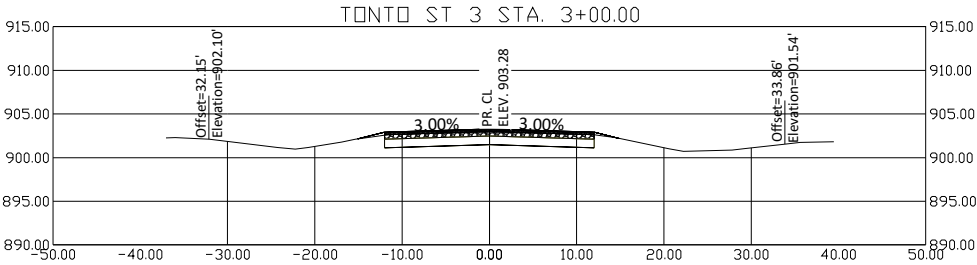
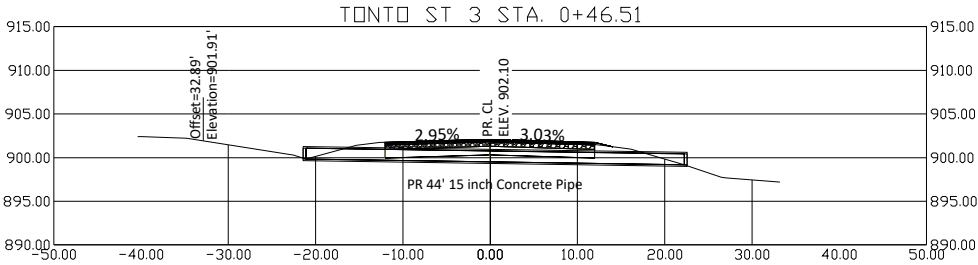
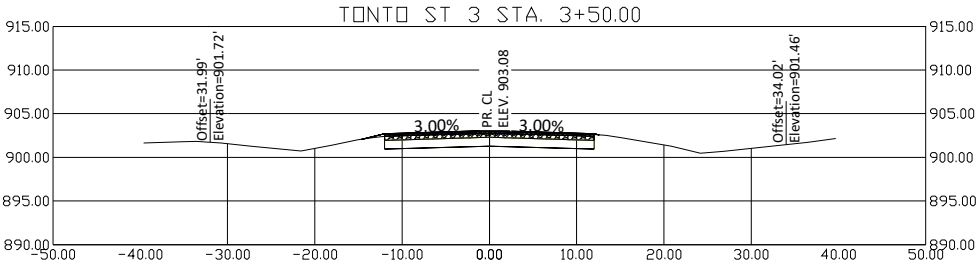
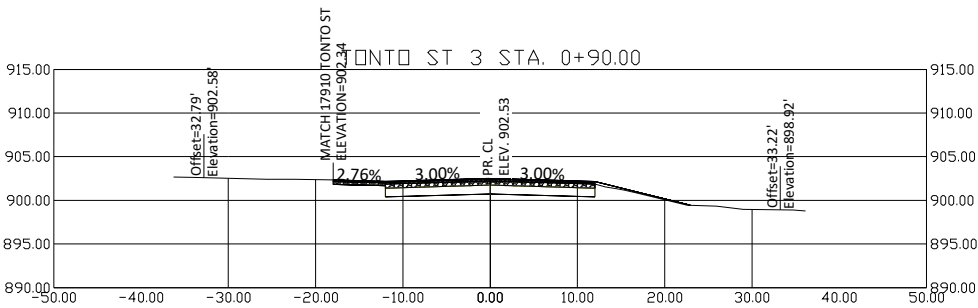
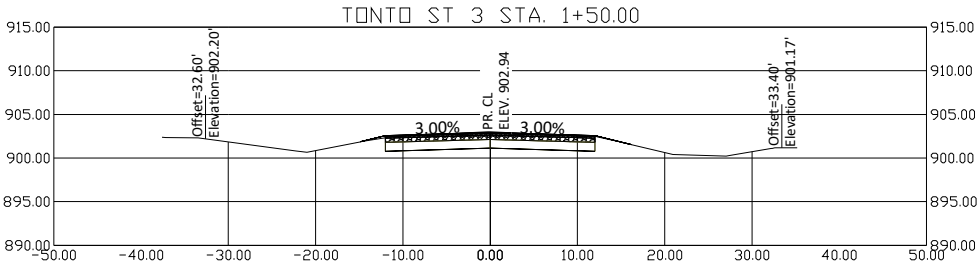
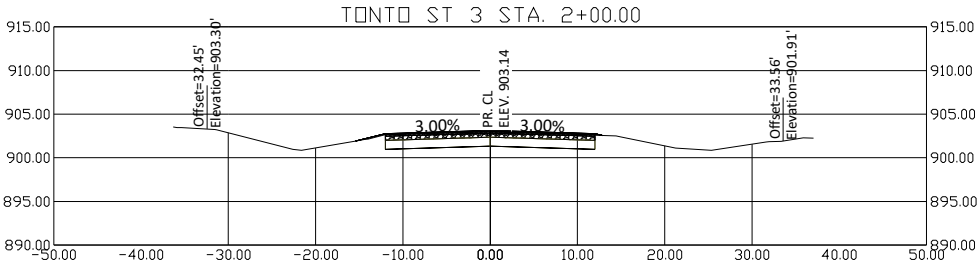
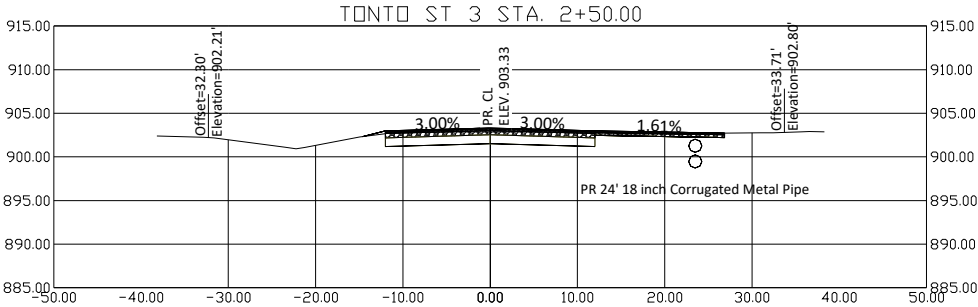
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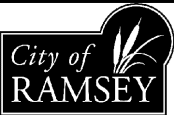


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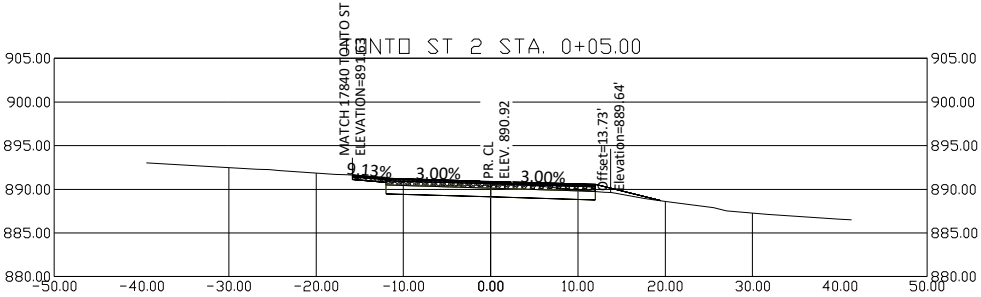
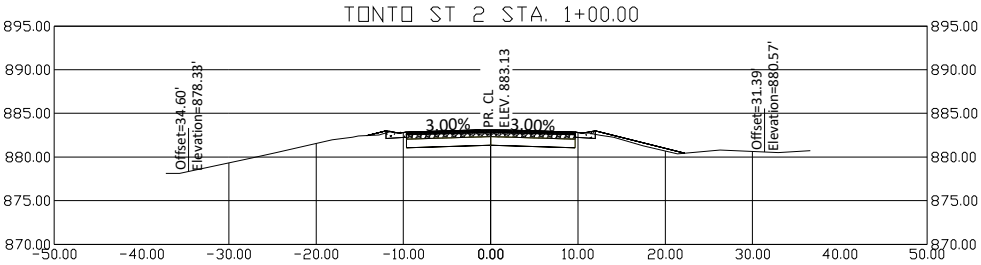
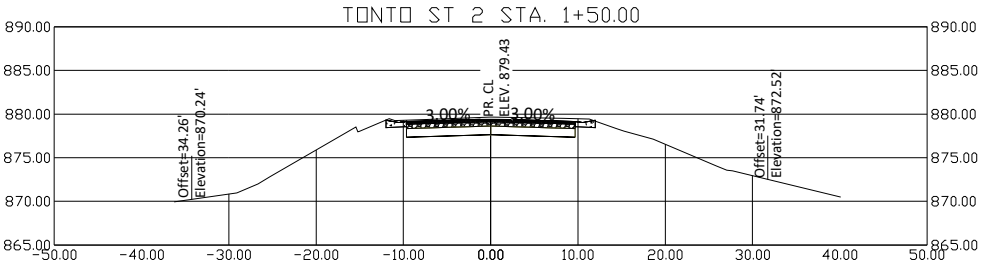
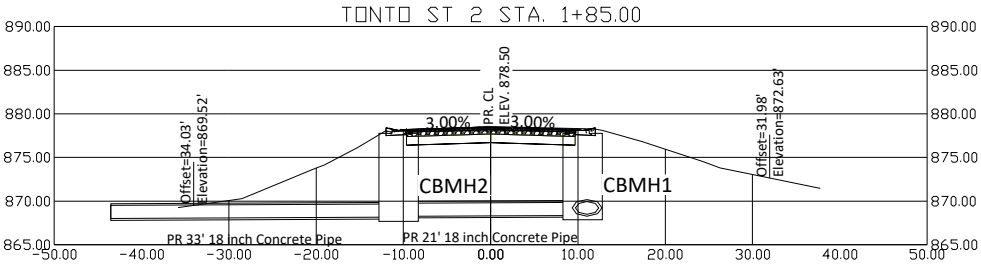
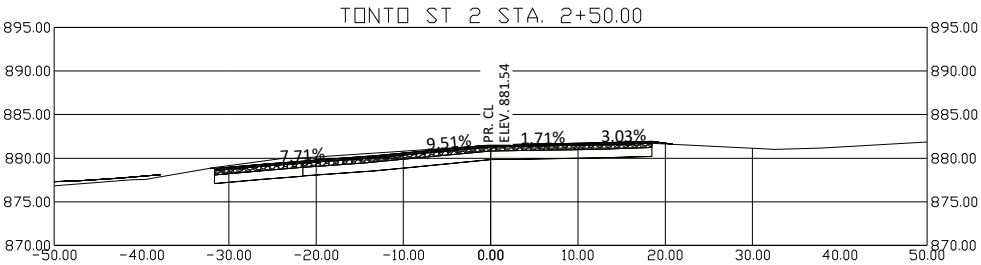
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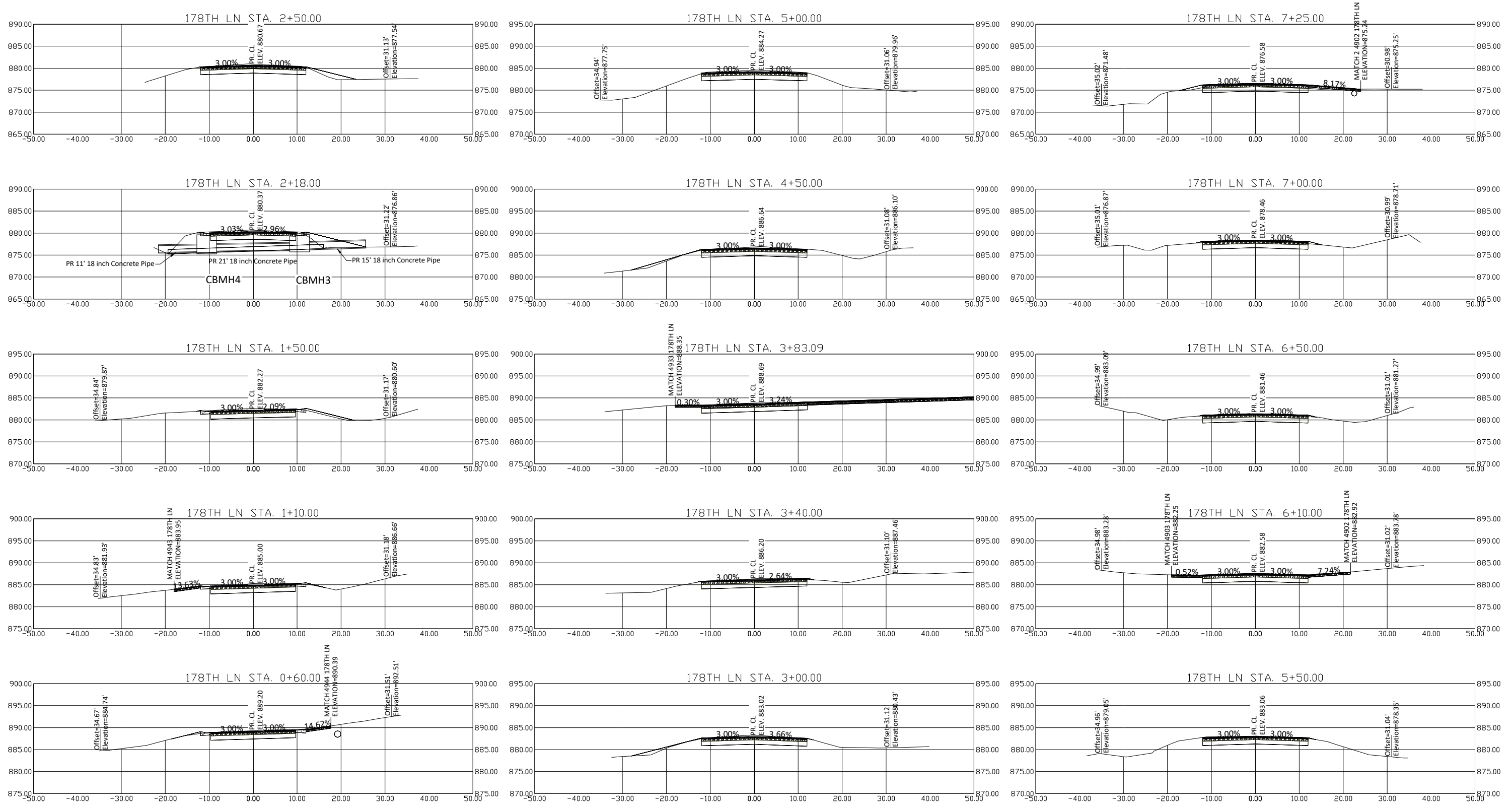
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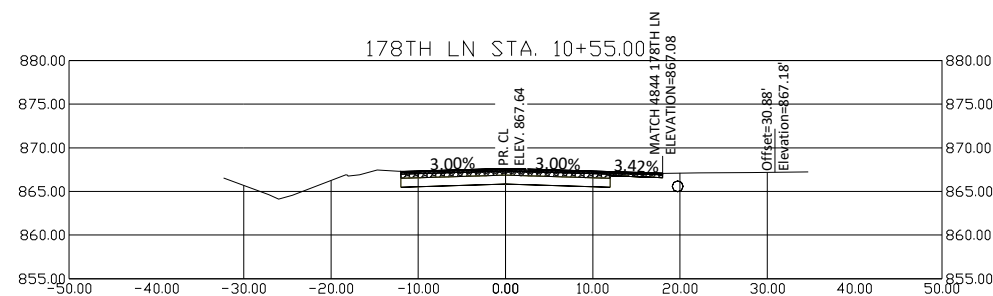
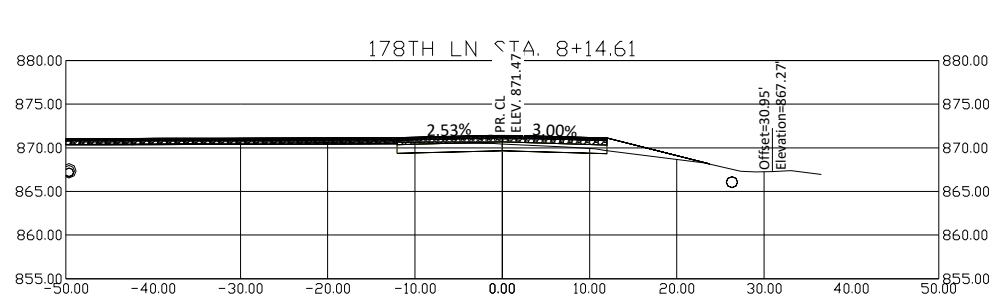
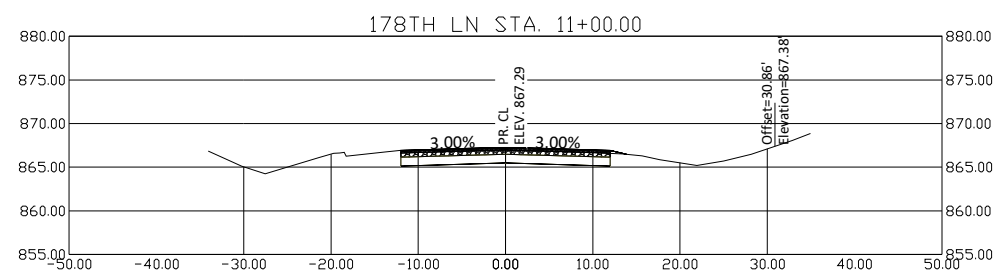
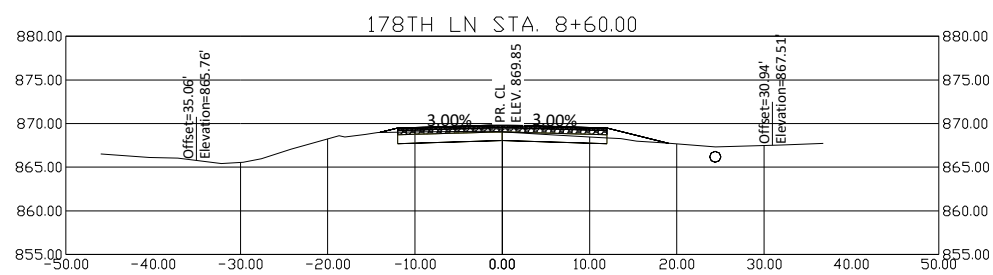
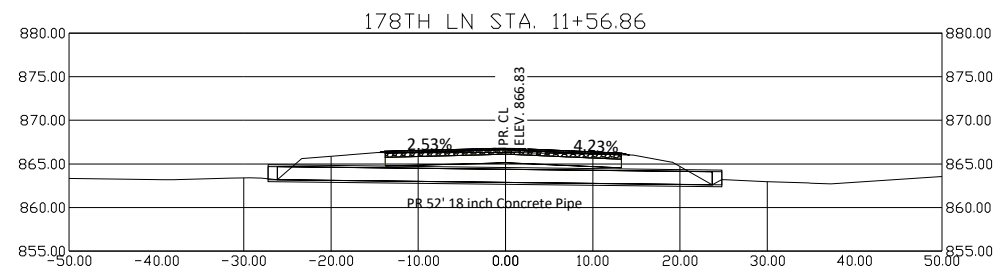
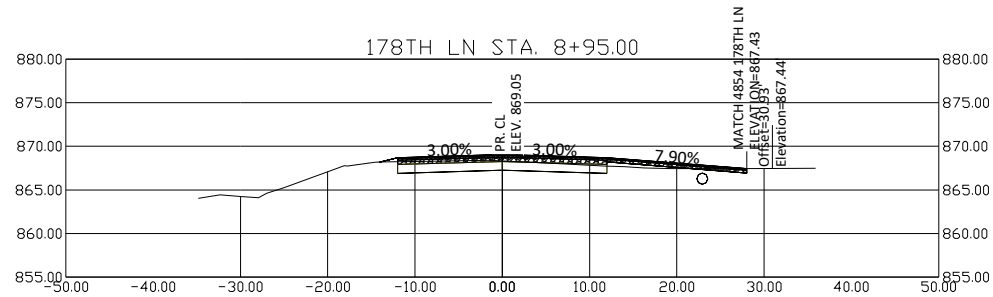
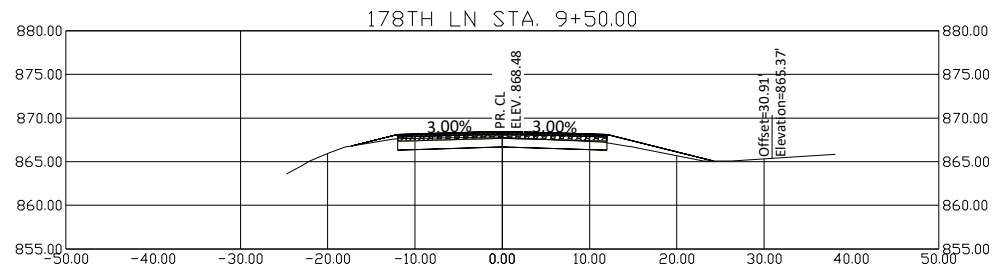
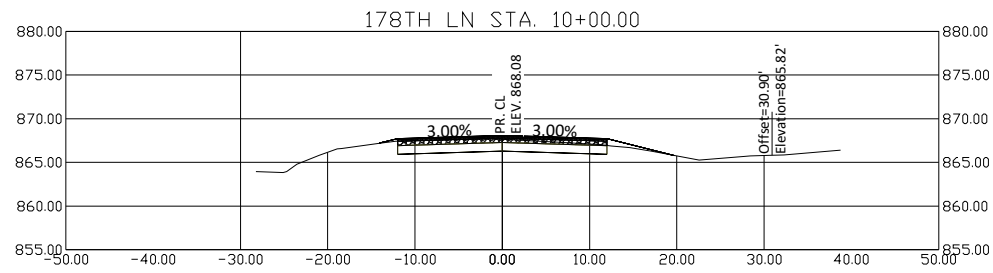


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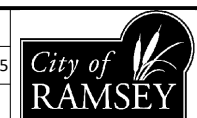


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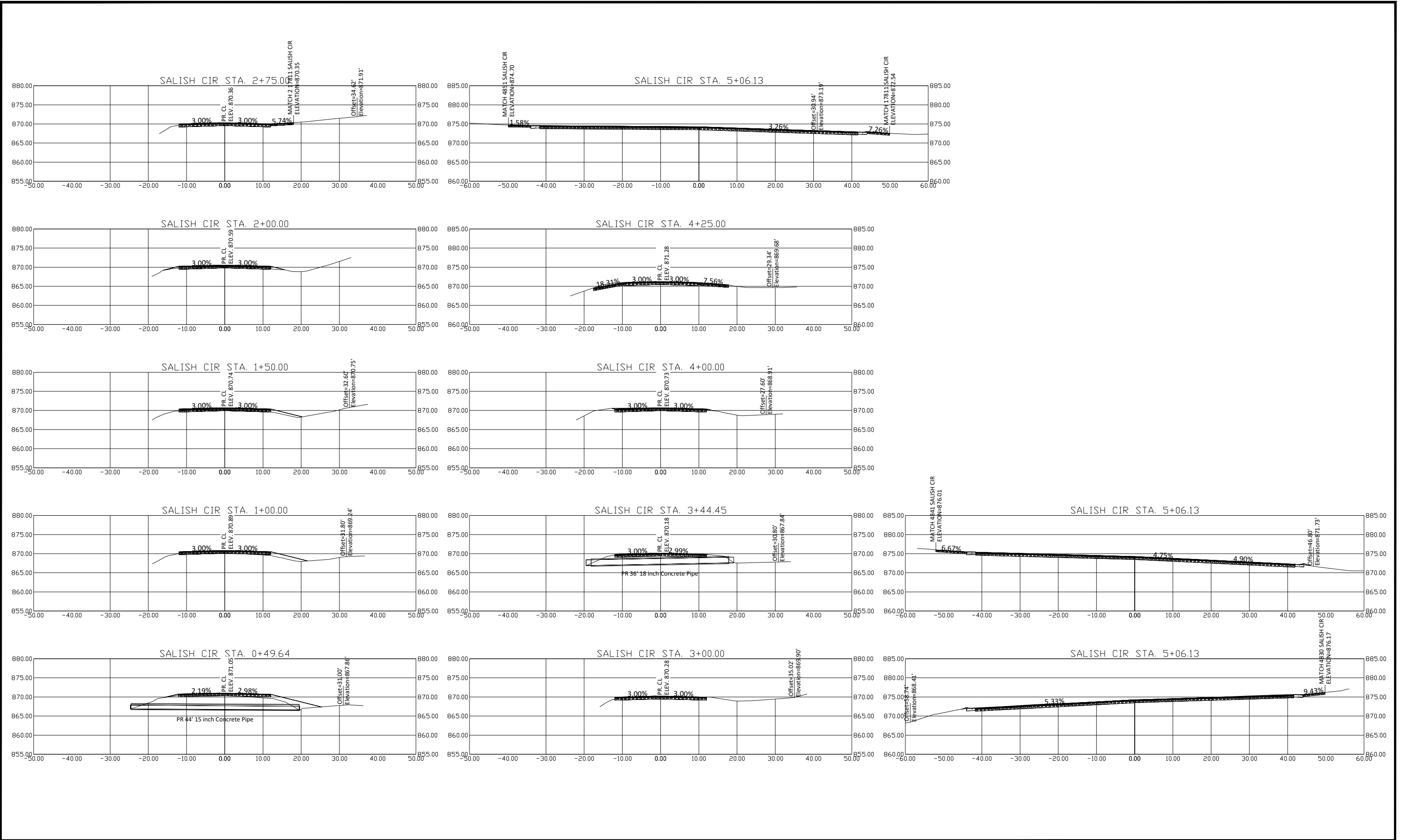
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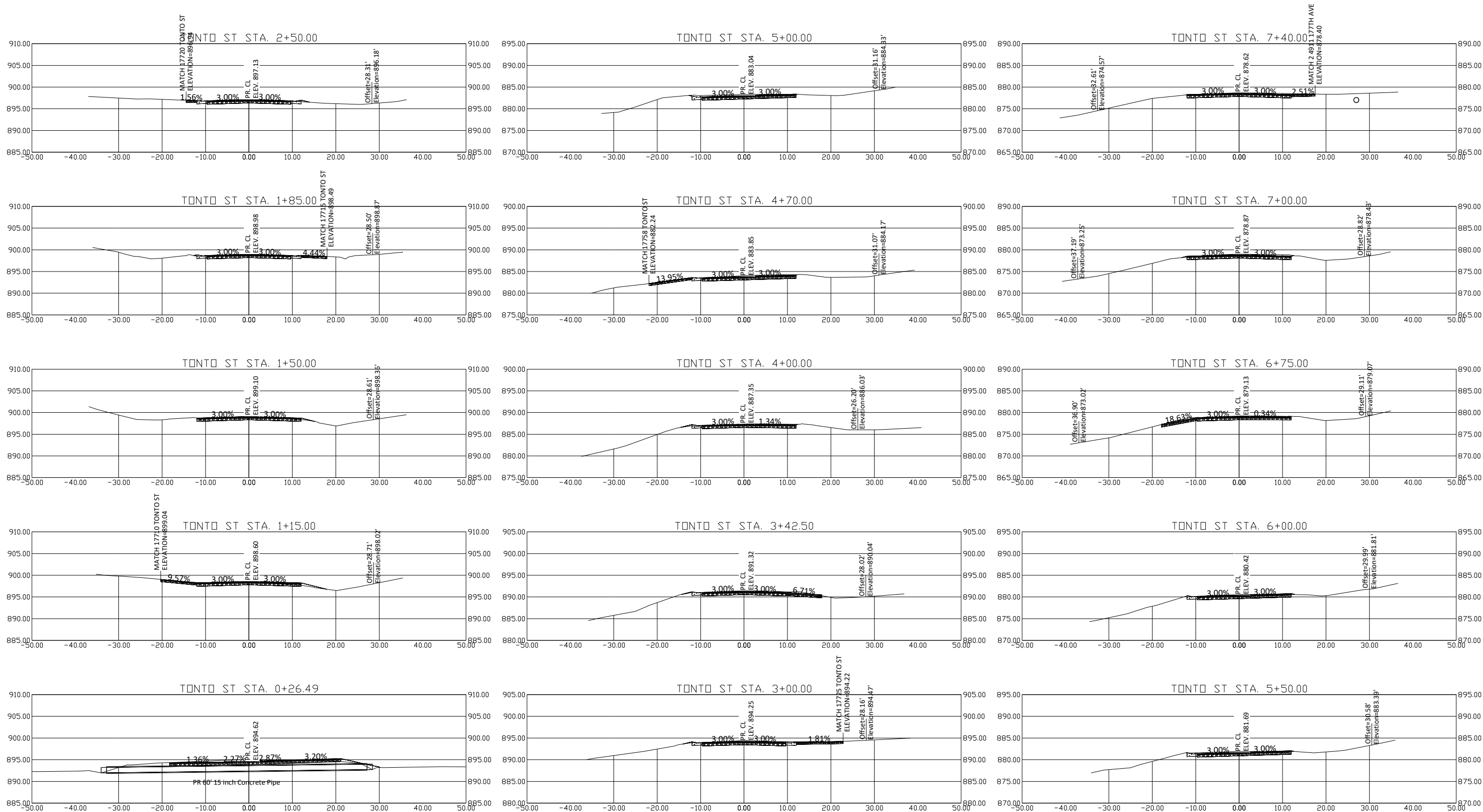


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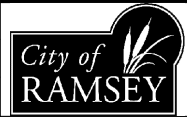


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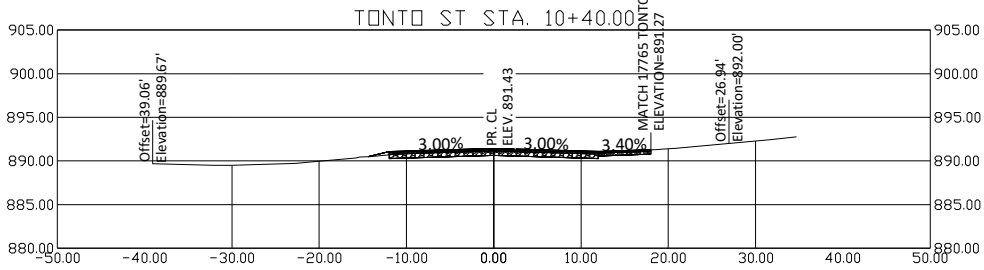
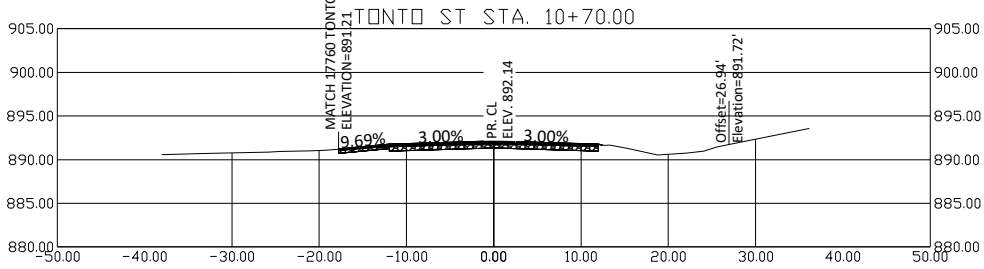
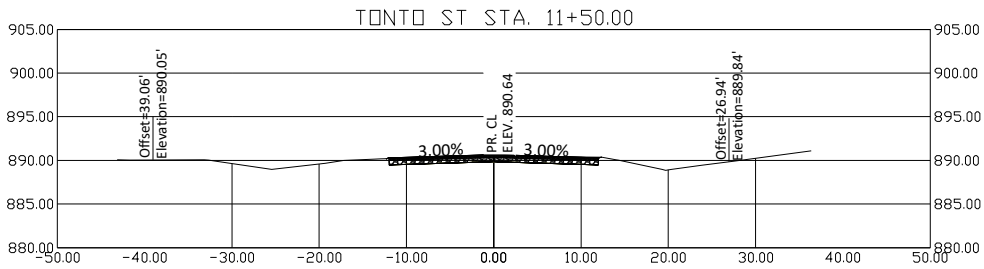
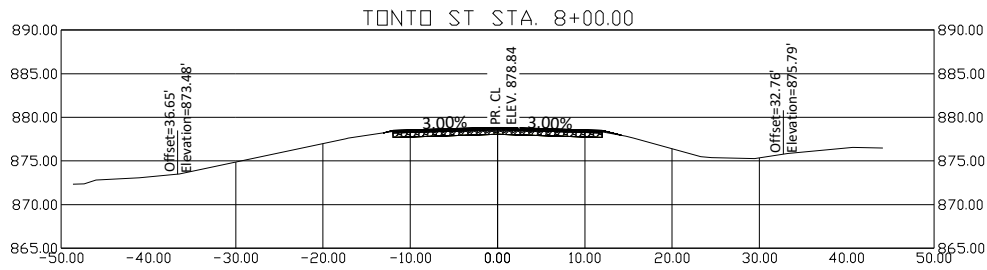
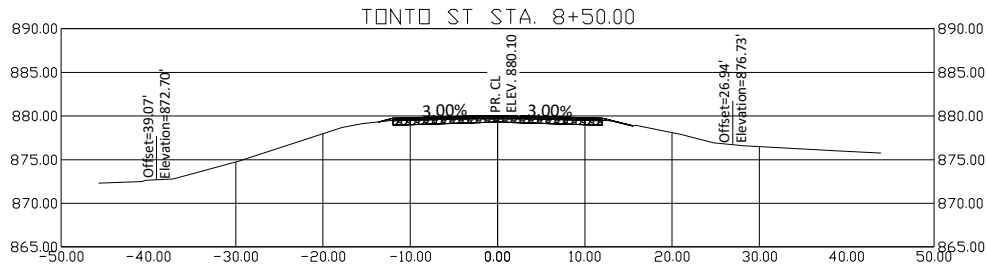
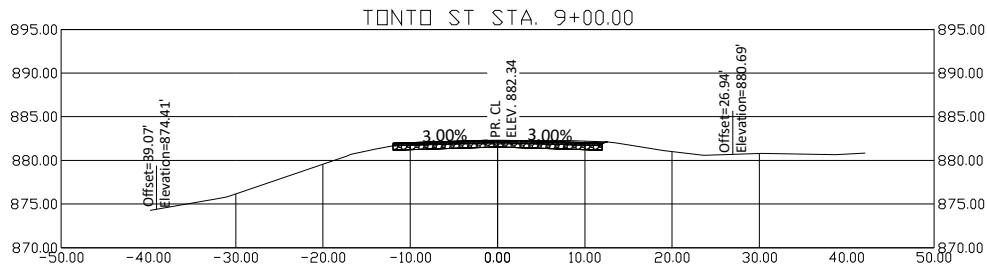
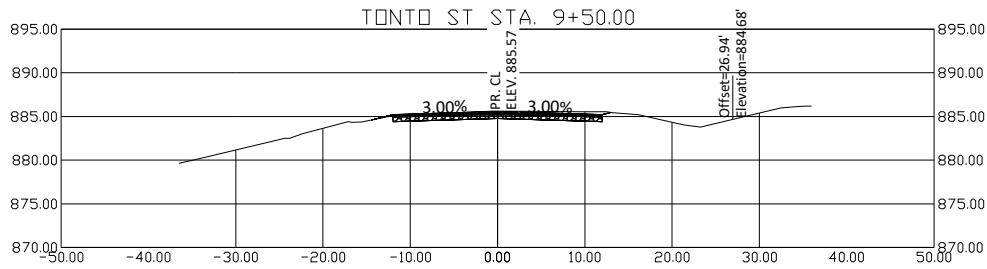
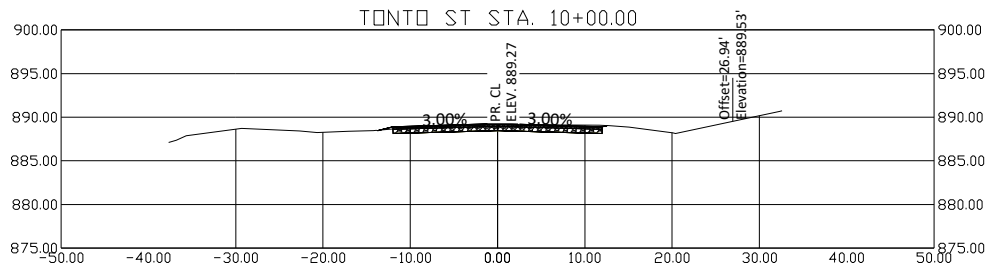
DESIGNED BY:	LWC	DATE:	12/30/25
DRAWN BY:	LWC	FILE:	26-07
CHECKED BY:	JJF		



CITY OF RAMSEY
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CROSS SECTIONS

SECTION 01 UNPLATTED (S. CR 27) STREET
RECONSTRUCTIONS
CITY PROJECT NO. 26-07
CITY OF RAMSEY, MINNESOTA

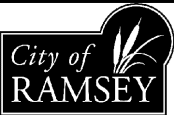


DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Joe Feriancek
JOE FERIANCEK
Date 12/30/25 Lic. No. 57095

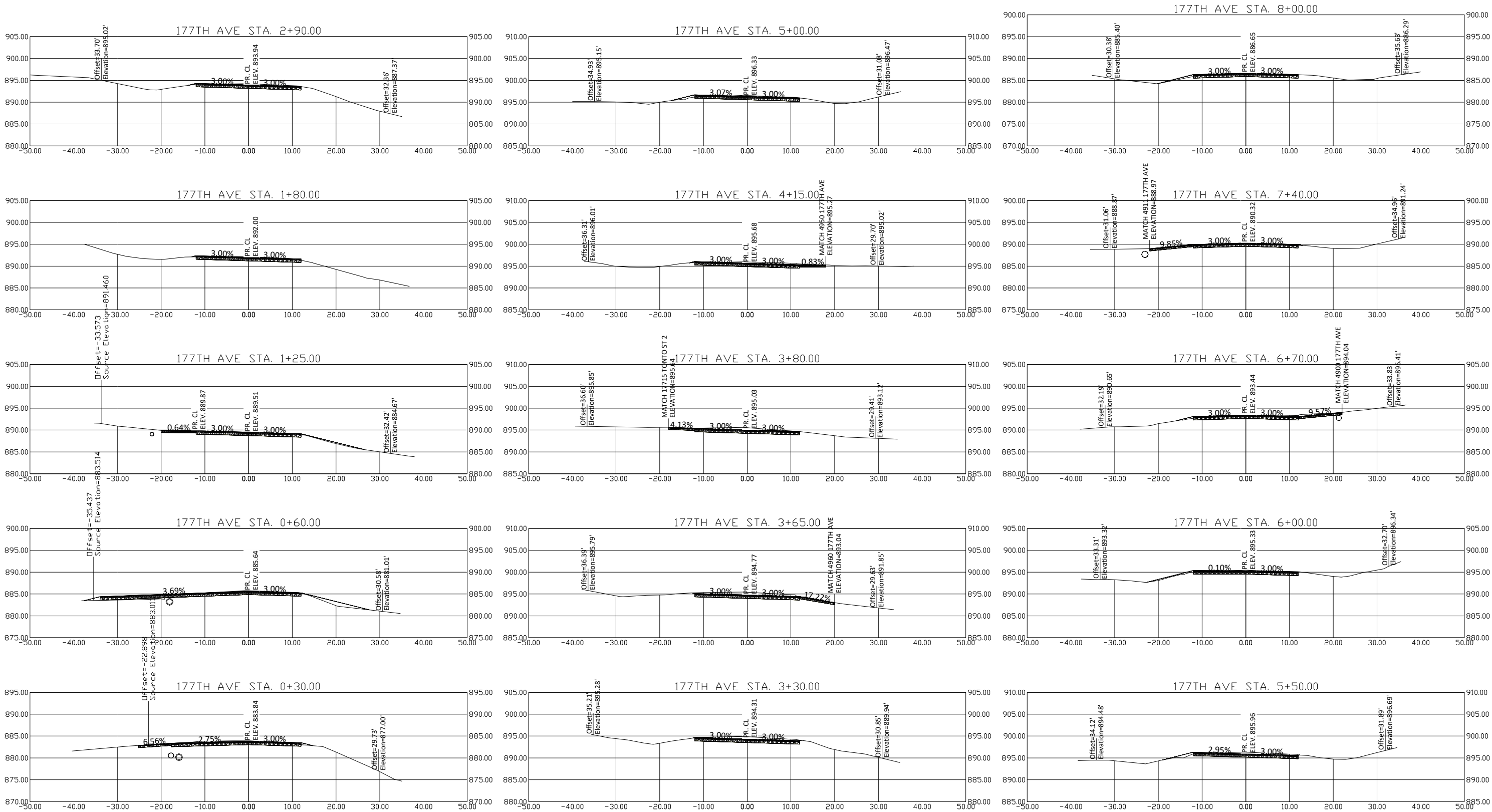
DESIGNED BY:	LWC	DATE:	12/30/25
DRAWN BY:	LWC	FILE:	26-07
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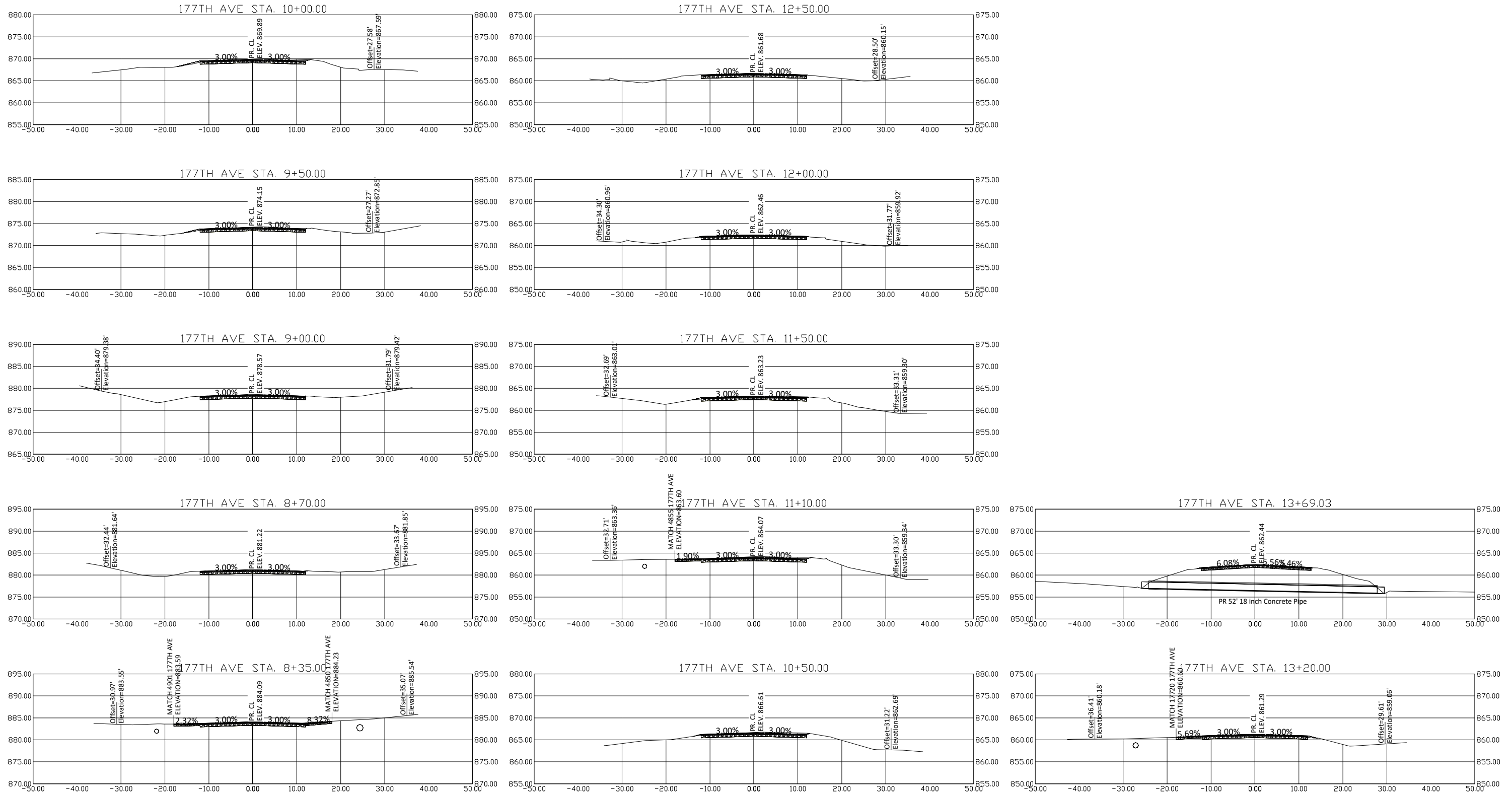


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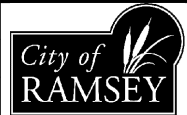


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TRAFFIC CONTROL DEVICES & SYMBOLS LEGEND	
	TRAFFIC CONTROL SIGN

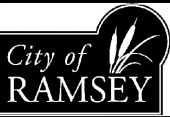
NOTE: ROAD WORK AHEAD SIGNS TO REMAIN IN PLACE THROUGH CONSTRUCTION ACTIVITIES UNTIL PROJECT IS SUBSTANTIALLY COMPLETE.

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JOE FERIANCEK
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TRAFFIC CONTROL

SECTION 01 UNPLATTED (S. CR 27) STREET
RECONSTRUCTIONS
CITY PROJECT NO. 26-07
CITY OF RAMSEY, MINNESOTA



TRAFFIC CONTROL DEVICES & SYMBOLS LEGEND

	AREA CLOSED TO TRAFFIC / WORK AREA		DRUM-LIKE CHANNELIZER (TYPE B) =		TYPE A FLASHING WARNING LIGHT
	TYPE III BARRICADE =				
	TRAFFIC CONTROL SIGN				

NOTE: ADDITIONAL TRAFFIC CONTROL SIGNS ON SHEET TC-1 WILL REMAIN IN PLACE DURING CULVERT REPLACEMENTS.



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JOE FERIANCEK
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TRAFFIC CONTROL - CULVERT REPLACEMENTS

SECTION 01 UNPLATTED (S. CR 27) STREET
RECONSTRUCTIONS
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SHEET
TC-2
OF
46
SHEETS