

KEY

- 1800HOUSE NUMBER
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
-EXISTING CATCH BASIN
-PROPOSED CATCH BASIN
-CONCRETE
-BITUMINOUS
-GRAVEL
-POWER POLE
- FENCE
-CONIFEROUS TREES
-DECIDUOUS TREE
-STREET SIGN
- EXISTING WATERMAIN
-EXISTING GATE VALVE
-EXISTING HYDRANT & HYDRANT GATE VALVE
-EXISTING MANHOLE FOR SANITARY OR STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER LINE
- PROPOSED STORM SEWER LINE
- GAS
- UNDERGROUND GAS MAIN
- T-BUR
- UNDERGROUND TELEPHONE LINE
- B/ELEC
- UNDERGROUND ELECTRIC LINE

CITY OF ROSEVILLE, MINNESOTA

2025 PATHWAY IMPROVEMENTS TAMARACK PARK PATHWAY

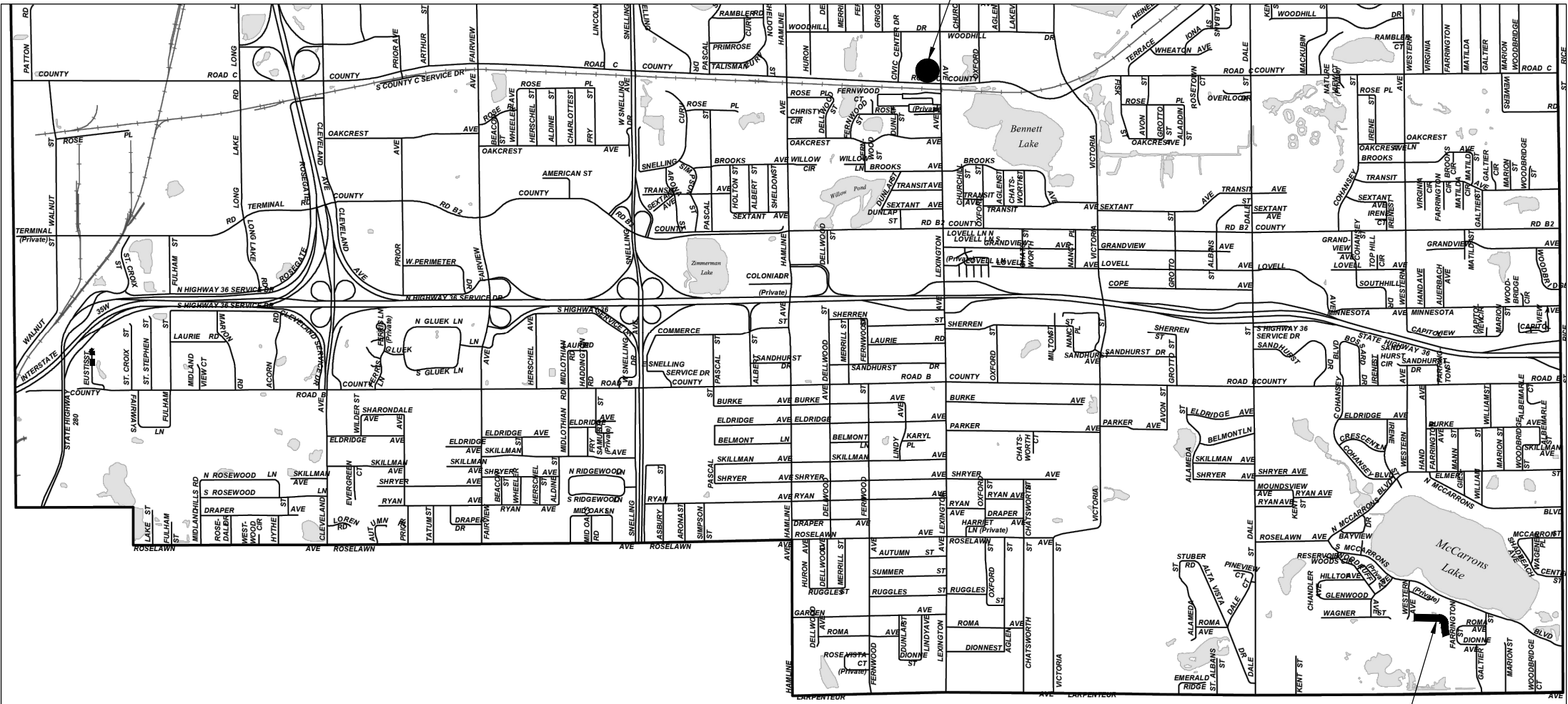
CITY PROJECT NUMBER 24-03

CONSTRUCTION PLANS FOR: GRADING, AGGREGATE BASE, BITUMINOUS SURFACING, RESTORATION, ADA CURB RAMPS,

PROJECT LOCATION: TAMARACK PARK, EAST OF WESTERN AVENUE WEST OF FARRINGTON STREET



BID OPENING AT
ROSEVILLE CITY HALL



PROJECT LOCATION
TAMARACK PARK

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

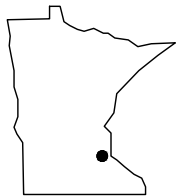
ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH DURING CONSTRUCTION OF THIS PROJECT.

WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ROSEVILLE SPECIFICATIONS FOR THE PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS", LATEST EDITION.

INDEX

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	TYPICAL SECTION, STATEMENT OF ESTIMATED QUANTITIES
3.	STANDARD DETAILS
4-9 .	PEDESTRIAN RAMP STANDARD PLANS
10-13.	DRIVEWAY DETAILS
14.	SWPPP NARRATIVE
15.	EROSION CONTROL
16-17.	TAMARACK PARK PATHWAY



PROJECT LOCATION
COUNTY : RAMSEY
DISTRICT : METRO

NOTES:
THE CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ALL INPLACE UTILITIES MAY NOT BE SHOWN ON THIS PLAN & THOSE THAT ARE SHOWN, MAY NOT BE SHOWN IN THE EXACT LOCATIONS.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLANSET IS UTILITY QUALITY LEVEL D. THE QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF THE CI/ASCE 38-2. ENTITLED "STANDARD GUIDLINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

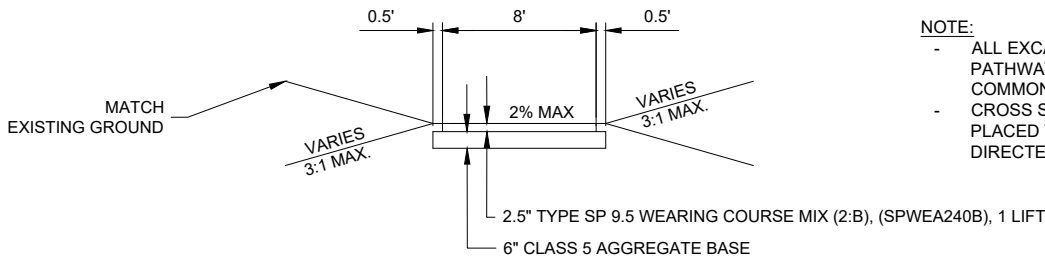
ALL CONTRACTORS MUST CONTACT GOPHER STATE ONE BEFORE CONSTRUCTION BEGINS.
MN TOLL FREE (800) 252-1166
TWIN CITIES (651) 454-0002

THIS PLAN CONTAINS 13 SHEETS

I HEREBY CERTIFY THAT THIS PLAN 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.

ERIK HENRIKSEN, PE
ASSISTANT CITY ENGINEER

DATE 6/12/2025 LICENSE NO. 59414



NOTE:

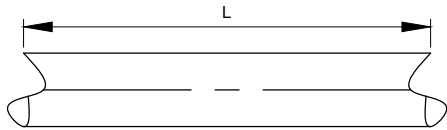
- ALL EXCAVATION WORK FOR ALL PATHWAYS WILL BE PAID FOR AS COMMON EXCAVATION.
- CROSS SLOPE OF PATHWAY SHALL BE PLACED TO OPTIMIZE DRAINAGE AS DIRECTED BY ENGINEER

TYPICAL SECTION - PATHWAY CONSTRUCTION
TAMARACK PATHWAY

STATEMENT OF ESTIMATED QUANTITIES					
LINE	CATEGORY	ITEM NUMBER	DESCRIPTION	Units	Quantity
1	BASE BID	2021.501	MOBILIZATION	L S	1
2	BASE BID	2104.603	REMOVE CURB AND GUTTER	L F	20
3	BASE BID	2106.607	EXCAVATION - COMMON (CV)	C Y	270
4	BASE BID	2106.607	EXCAVATION - SUBGRADE (CV)	C Y	150
5	BASE BID	2108.504	GEOTEXTILE FABRIC TYPE 1	S Y	40
6	BASE BID	2123.610	STREET SWEEPER	HOURL	10
7	BASE BID	2211.607	AGGREGATE BASE (CV) CLASS 5	C Y	235
8	BASE BID	2231.609	BITUMINOUS PATCHING MIXTURE	S F	40
9	BASE BID	2360.609	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	TON	115
10	BASE BID	2501.502	12" RC PIPE APRON	EACH	2
11	BASE BID	2503.503	12" RCP PIPE SEWER	L F	30
12	BASE BID	2301.504	CONCRETE PAVEMENT 6 INCH	S Y	12
13	BASE BID	2451.507	COARSE AGGREGATE BEDDING (CV)	C Y	3
14	BASE BID	2531.603	CONCRETE CURB & GUTTER DESIGN B618	L F	16
15	BASE BID	2531.618	TRUNCATED DOMES	S F	16
16	BASE BID	2563.601	TRAFFIC CONTROL	L S	1
17	BASE BID	2573.501	STABILIZED CONSTRUCTION EXIT	L S	1
18	BASE BID	2573.601	EROSION CONTROL SUPERVISOR	L S	1
19	BASE BID	2573.603	SEDIMENT CONTROL LOG TYPE COMPOST	L F	1600
20	BASE BID	2575.604	TURF ESTABLISHMENT WITH HYDROSEED	S Y	90
21	BASE BID	2575.604	TURF ESTABLISHMENT WITH SEED AND BLANKET	S Y	70

Plot Date: 06/30/2025
Drawing Name: K:\Public\Works\CAD\Projects\2024\24-03_2024_Pathway_Improvements\Drawings\TypSec_SEQ_G 103.dwg
Author: Corbin

1	XX-XX-XX	XXX		SURVEY	RP	I HEREBY CERTIFY THAT THIS PLAN 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.  DATE 6/12/2025 LIC. NO. 59414	 ENGINEERING DEPARTMENT			TYPICAL SECTIONS STATEMENT OF ESTIMATED QUANTITIES ----	2025 PATHWAY IMPROVEMENTS TAMARACK PARK PATHWAY	SHEET NO.	
NO.	DATE	BY	DESCRIPTION OF REVISIONS									2	13
												SHEET NO.	OF SHEETS



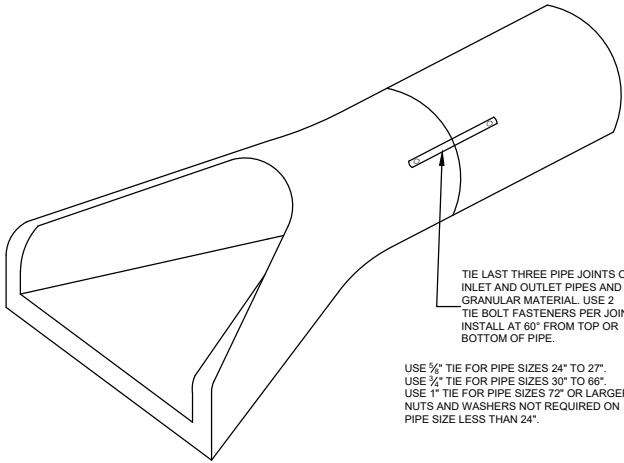
BIOROLLS OR APPROVED EQUIVALENT EROSION CONTROL INLET PROTECTION TYPE A.

- NOTES
- INSTALL ACCORDING TO MANUFACTURER INSTRUCTION UNLESS DIRECTED BY ENGINEER.
 - ALL CATCH BASIN SIDES MUST HAVE PERIMETER CONTROL INSTALLED PER ENGINEER APPROVAL .
 - (L) LENGTH OF INSTALLED PERIMETER CONTROL MUST BE APPROVED BY ENGINEER

DESIGN:	DATE:	ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN:			
REVISIONS	02-08-2018		
		INLET PROTECTION TYPE A	EC-4

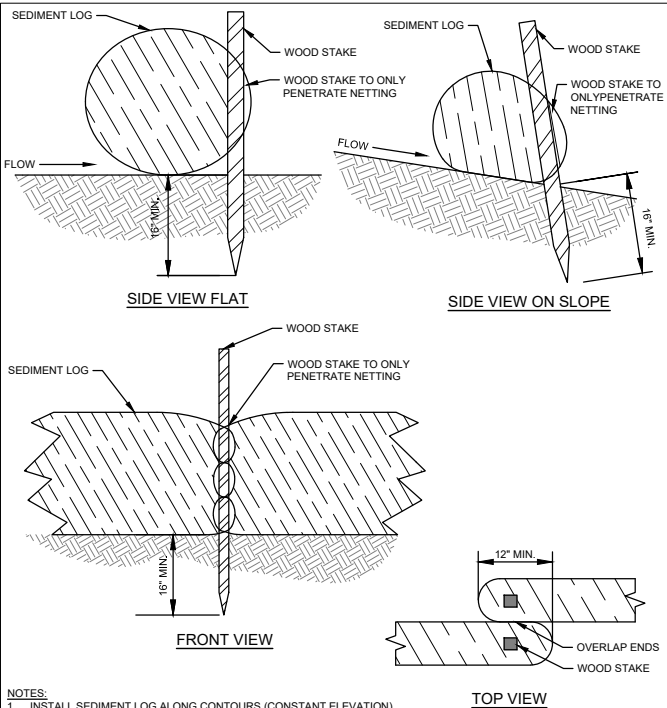
INLET PROTECTION TYPE A.dwg

- NOTES:
1. UNLESS OTHER FORM OF DISSIPATION IS REQUIRED, GRANITE RIPRAP WILL BE PLACED AROUND SIDES AND OVER TOP OF FLARED END SECTION. SEE DETAIL PLATE ST-13.



DESIGN:	DATE: 12/2/15	ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN: DRT			
REVISIONS			
		FLARED END SECTION	ST-9

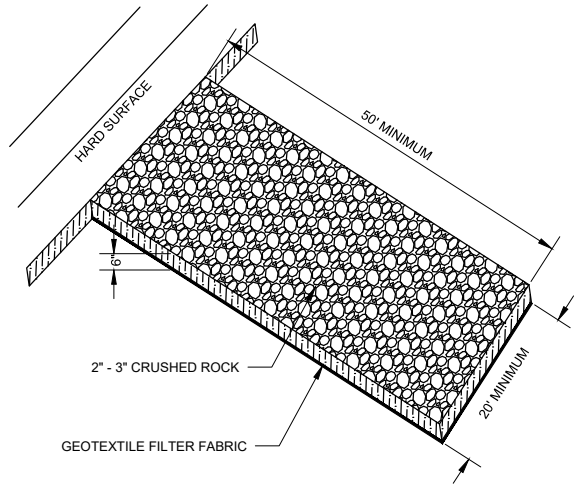
FLARED END SECTION.dwg



- NOTES:
1. INSTALL SEDIMENT LOG ALONG CONTOURS (CONSTANT ELEVATION).
 2. NO GAPS SHALL BE PRESENT UNDER SEDIMENT LOG. PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS.
 3. REMOVE ACCUMULATED SEDIMENT WHEN REACHING 1/3 OF LOG HEIGHT.
 4. MAINTAIN SEDIMENT LOG THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIR OR REPLACE AS REQUIRED.

DESIGN:	DATE: 3-20-20	ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN: DRT			
REVISIONS			
		SEDIMENT LOG INSTALLATION	EC-6

EROSION CONTROL FENCE.dwg



DESIGN:	DATE: 8-21-13	ENGINEERING DEPARTMENT	PLATE NUMBER
DRAWN:			
REVISIONS			
		ROCK CONSTRUCTION ENTRANCE	EC-3

ROCK CONSTRUCTION ENTRANCE.dwg

Plot Date: 06/30/2025
Drawing Name: K:\public\works\CAD\Projects\2024\24-03_2024_Pathway_Improvements\Drawings\Details_C301.dwg
User: J. Collier

				SURVEY	RP
				DRAWN	DRT
				DESIGNED	DRT
				CHECKED	EH
				APPROVED	EH
				CITY PROJ. NO.	24-03
NO.	DATE	BY	DESCRIPTION OF REVISIONS		



STANDARD DETAILS

2025 PATHWAY IMPROVEMENTS
TAMARACK PARK PATHWAY

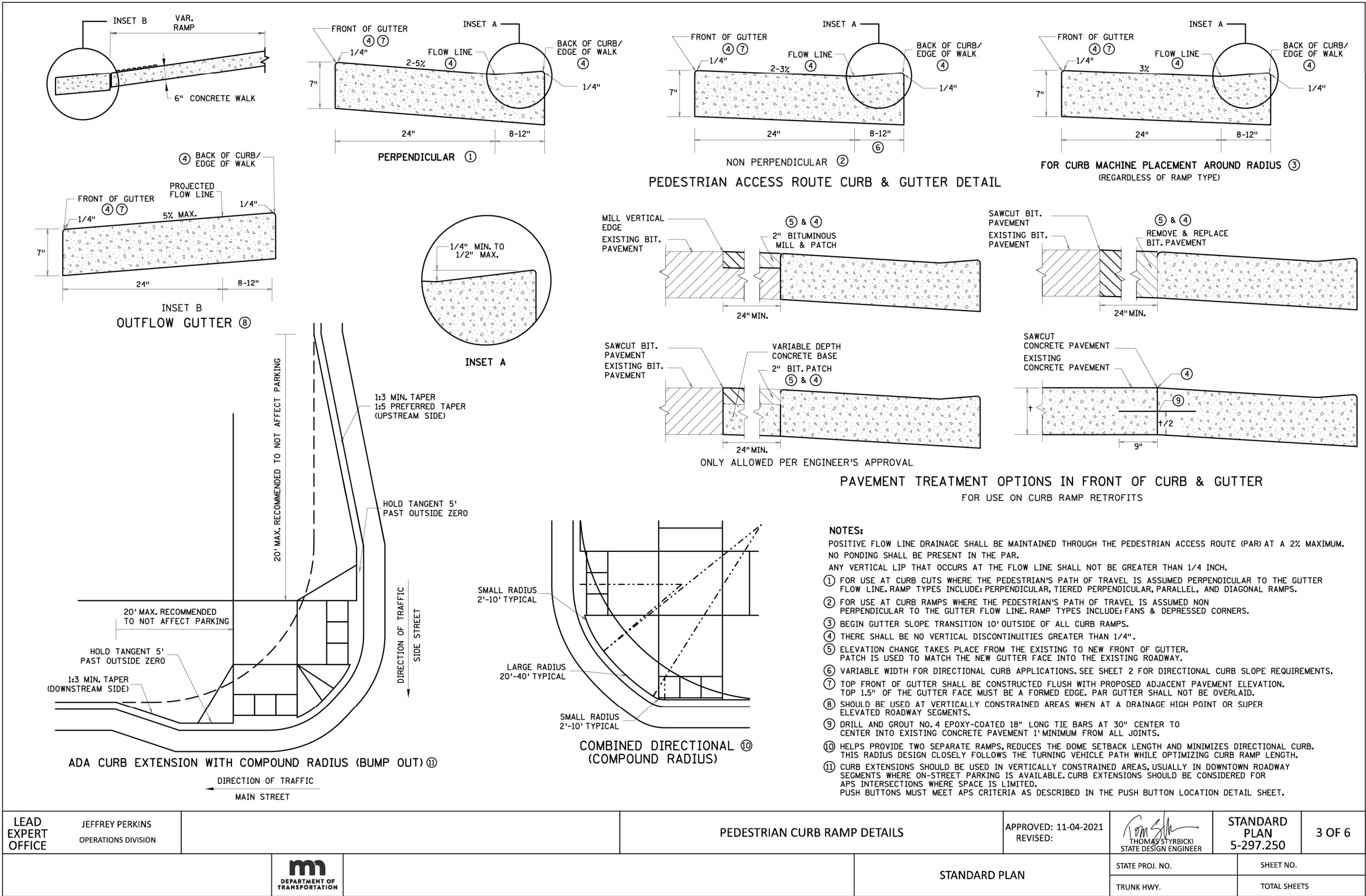
SHEET NO.

3

SHEET NO.

13

OF SHEETS



LEAD EXPERT OFFICE	JEFFREY PERKINS OPERATIONS DIVISION					PEDESTRIAN CURB RAMP DETAILS	APPROVED: 11-04-2021 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.250	3 OF 6
						STANDARD PLAN	STATE PROJ. NO.		SHEET NO.	
							TRUNK HWY.		TOTAL SHEETS	

1	XX-XX-XX	XXX	SURVEY	RP
			DRAWN	DRT
			DESIGNED	DRT
			CHECKED	EH
			APPROVED	EH
			CITY PROJ. NO.	24-03
NO.	DATE	BY	DESCRIPTION OF REVISIONS	



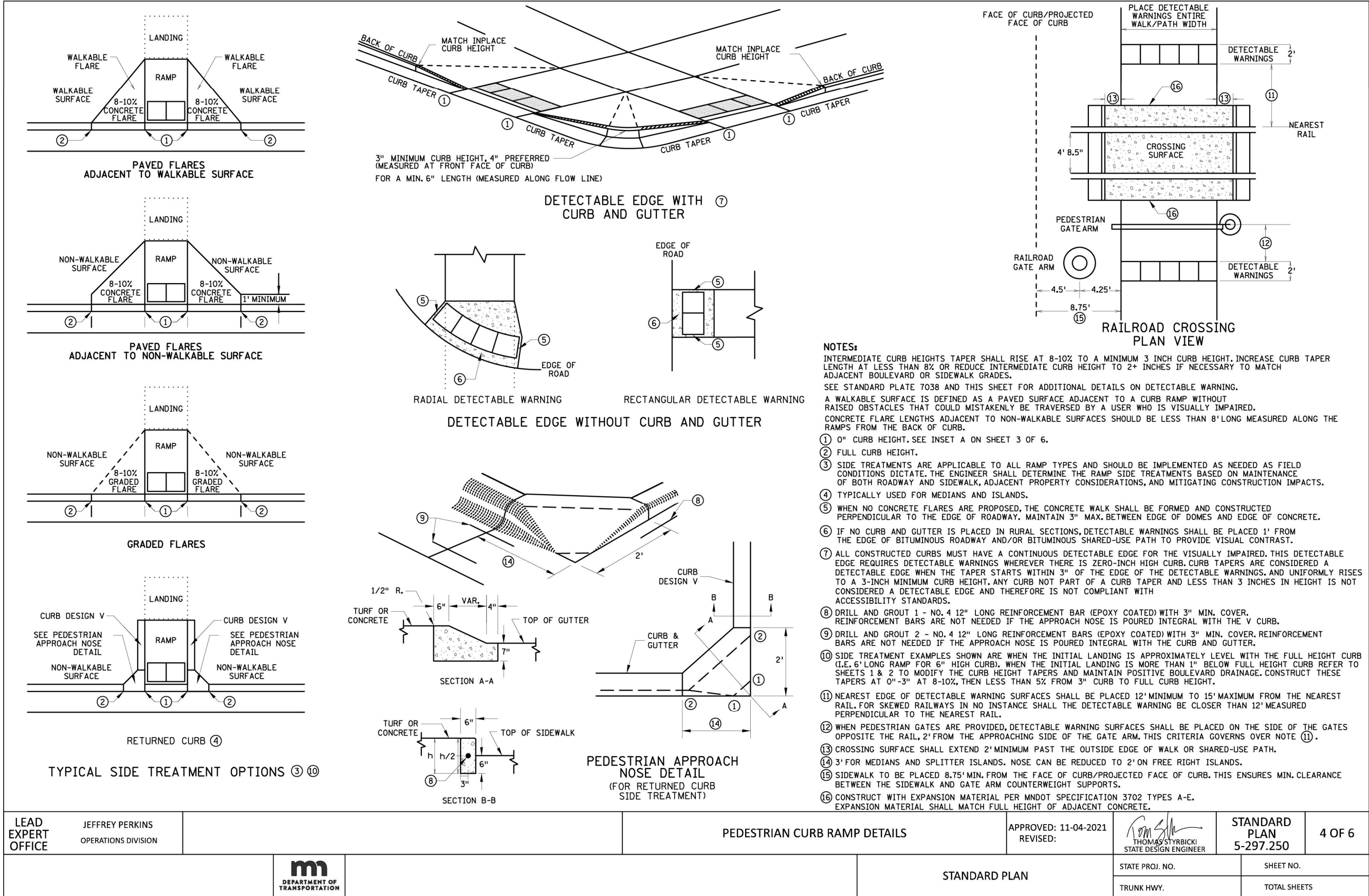
PEDESTRIAN CURB RAMP STANDARD PLANS

2025 PATHWAY IMPROVEMENTS
TAMARACK PARK PATHWAY

SHEET NO.

6 13

SHEET NO. OF SHEETS



LEAD
EXPERT
OFFICE

JEFFREY PERKINS
OPERATIONS DIVISION



PEDESTRIAN CURB RAMP DETAILS

APPROVED: 11-04-2021
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.250

4 OF 6

STANDARD PLAN

STATE PROJ. NO.

SHEET NO.

TRUNK HWY.

TOTAL SHEETS

1	XX-XX-XX	XXX
NO.	DATE	BY
DESCRIPTION OF REVISIONS		

SURVEY	RP
DRAWN	DRT
DESIGNED	DRT
CHECKED	EH
APPROVED	EH
CITY PROJ. NO.	24-03



PEDESTRIAN CURB RAMP STANDARD PLANS

2025 PATHWAY IMPROVEMENTS
TAMARACK PARK PATHWAY

SHEET NO.

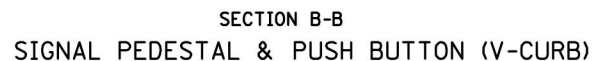
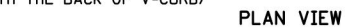
7

13

SHEET NO. OF SHEETS



CONCRETE CURB DESIGN V	
CURB HEIGHT H	CURB WIDTH W
< 6"	4"
≥ 6"	6"



NOTES:

A WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A PUSH BUTTON TRAVERSES THE FLARE.

ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP OF SIDEWALK ELEVATIONS.

- ① END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
- ② ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.
- ③ CONSTRUCT USING APPROVED EXPANSION MATERIAL PER MNDOT TYPE A-E EXPANSION. LEAVE A MINIMUM 1/2" TOP GAP AND SEAL WITH MNDOT APPROVED SILICONE PER MNDOT SPEC 3722.
- ④ THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1' LINEAR FOOT OF SIDEWALK PER HALF PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OR THE RUNNING SLOPE IS GREATER THAN 5%, DOUBLE THE CALCULATED TRANSITION LENGTH.
- ⑤ TRANSITION PANELS ARE TO ONLY BE USED AFTER THE RAMP, OR IF NEEDED, LANDING ARE AT THE FULL CURB HEIGHT (TYPICAL SECTION).
- ⑥ EXISTING CROSS SLOPE GREATER THAN 2.0%.

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

- (S) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.

 LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX. 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.
 (T) TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A RAMP TO THE EXISTING WALK CROSS-SLOPE. RATE OF TRANSITION SHOULD BE 0.5% PER 1 LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.



MASSACHUSETTS
DEPARTMENT OF
TRANSPORTATION

PEDESTRIAN CURB RAMP DETAILS

APPROVED: 11-04-2021
REVISED:


 THOMAS STYRBICKI
 STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.250

5 OF 6

STANDARD PLAN

STATE PROJ. NO.

SHEET NO.

TOTAL SHEETS

1	XX-XX-XX	XXX		SURVEY	RP
				DRAWN	DRT
				DESIGNED	DRT
				CHECKED	EH
				APPROVED	EH
				CITY PROJ. NO. 24-03	
NO.	DATE	BY	DESCRIPTION OF REVISIONS		



PEDESTRIAN CURB RAMP STANDARD PLANS

2025 PATHWAY IMPROVEMENTS TAMARACK PARK PATHWAY

SHEET NO.

8	13
SHEET NO.	OF SHEETS



Plot Date: 06/30/2025
Drawing Name: K:\public\works\CAD\Projects\2024\24-03_2024_PathwayImprovements\Drawings\SWPPP_0102.dwg
Author: Corbin

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITY

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION STORMWATER PERMIT AT ALL TIMES UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE MPCA. THE CONTRACTOR WILL DEVELOP A CHAIN OF COMMAND WITH ALL OPERATORS ON THE SITE TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE, THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION, AND A NOTICE OF TERMINATION NOTI HAS BEEN SUBMITTED TO THE MPCA.

2. THE CONTRACTOR WILL PREPARE A WRITTEN, NOT ORAL, WEEKLY SCHEDULE OF PROPOSED EROSION CONTROL ACTIVITIES FOR THE ENGINEER'S APPROVAL AS PER MNDOT SPEC. 1717.2

3. THE CONTRACTOR WILL PREPARE AND SUBMIT A SITE PLAN FOR THE ENGINEER'S APPROVAL AS PER MNDOT SPEC. 1717.2 FOR CONCRETE MANAGEMENT, WORK IN ENVIRONMENTALLY SENSITIVE AREAS, AREAS IDENTIFIED IN THE PLANS AS "SITE PLAN REQUIREMENT AREA", ANY WORK THAT WILL REQUIRE DEWATERING, THE STAGING OF INLET PROTECTION DEVICES OVER THE LIFE OF THE CONTRACT AND AS REQUESTED BY THE ENGINEER. ALL SITE PLANS MUST BE SUBMITTED TO THE ENGINEER IN WRITING. THE CONTRACTOR SHALL ALLOW A MINIMUM OF 7 DAYS FOR THE ENGINEER TO REVIEW AND APPROVE SITE PLAN SUBMITTALS. THE CONTRACTOR WILL NOT BE ALLOWED TO COMMENCE WORK FOR WHICH A SITE PLAN IS REQUIRED UNTIL APPROVAL HAS BEEN GRANTED BY THE ENGINEER. THE CONTRACTOR WILL NOT BE GIVEN ANY EXTRA TIME IN THE CONTRACT DUE TO THE UNTIMELY SUBMITTAL OF A SITE PLAN.

4. THE CONTRACTOR WILL COMPLY WITH THE REQUIREMENTS REGARDING POLLUTION PREVENTION MANAGEMENT DURING CONSTRUCTION, WHICH WILL INCLUDE, BUT NOT LIMITED TO:
- A. CONCRETE WASHOUT AREAS FOR USE BY ALL SUBCONTRACTORS AND MN/DOT PERSONNEL. LOCATION OF WASHOUT AREAS MUST BE IDENTIFIED BY SIGNAGE AND MUST BE AT LEAST 200' FROM SITE PLAN REQUIREMENT AREAS OR ENVIRONMENTALLY SENSITIVE AREAS, AND UTILIZE A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER THAT PREVENTS RUNOFF ONTO ADJACENT SOILS. AN ENGINEERED COLLECTION SYSTEM CAN ALSO BE USED IF IT IS APPROVED BY THE PROJECT ENGINEER.
 - B. SOLID WASTE COLLECTION AND REMOVAL.
 - C. SECONDARY CONTAINMENT.
 - D. SECURED HAZARDOUS WASTE STORAGE CONTAINERS.
 - E. CHEMICAL SPILL KITS.
 - F. PORTABLE RESTROOM FACILITIES THAT ARE ANCHORED TO PREVENT TIPPING.

5. CHEMICALS MUST BE KEPT IN A SECURE STORAGE AREA WHEN NOT IN USE. CHEMICAL STORAGE CONTAINERS MUST HAVE SECONDARY CONTAINMENT WHEN BEING USED OR STORED ON THE PROJECT SITE. CHEMICAL SPILLS OF ANY KIND (OIL, FUEL, FERTILIZER, ETC.) MUST BE CLEANED UP AND REMOVED FROM THE SITE IMMEDIATELY. THE CONTRACTOR MUST HAVE A SPILL KIT ON SITE AT ALL TIMES.

6. THE CONTRACTOR IS RESPONSIBLE FOR CREATING AND FOLLOWING A WRITTEN DISPOSAL PLAN FOR ALL WASTE MATERIALS. THE PLAN WILL INCLUDE HOW THE MATERIAL WILL BE DISPOSED OF AND THE LOCATION OF THE DISPOSAL SITE. SUBMIT TO THE ENGINEER.

7. BURNING OF ANY MATERIAL IS NOT ALLOWED WITHIN PROJECT BOUNDARY.

8. THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS SHALL BE PLACED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND TO CAPTURE SEDIMENT ONSITE. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY REMOVAL WORK AND/OR GROUND DISTURBING ACTIVITIES COMMENCE AND SHALL BE MAINTAINED UNTIL THE POTENTIAL FOR EROSION HAS BEEN ELIMINATED.

9. SEDIMENT CONTROL DEVICES MUST BE ESTABLISHED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN. SEDIMENT CONTROL DEVICES INCLUDE, BUT ARE NOT LIMITED TO:
- A. PERIMETER CONTROL SHALL BE LOCATED ON THE CONTOUR TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS DOWN GRADIENT
 - B. OF ALL EXPOSED SOILS AND PRIOR TO DISCHARGING TO SURFACE WATERS WITH THE BMP J-HOOKED AT A MAXIMUM OF 100 FOOT INTERVALS AND SHALL CONTAIN NO MORE THAN 1/4 ACRE OF DRAINAGE AREA. DITCH CHECKS WILL BE PLACED AS INDICATED ON THE PLANS DURING ALL PHASES OF CONSTRUCTION.
 - 1. TEMPORARY DITCH CHECKS WILL CONSIST OF USING ROCK DITCH CHECKS, BIOLOGS, AND ROCK WEEPERS IN FRONT OF CULVERT INLETS. IN LIEU OF REMOVING TEMPORARY DITCH CHECKS, THE ROCK MAY BE PUSHED INTO THE GROUND.
 - 2. FILTER LOGS WILL BE PLACED DURING PERMANENT TURF ESTABLISHMENT AT THE INTERVALS IDENTIFIED IN THE PLAN.
 - C. SEDIMENT DAMAGE FROM STOCKPILES WILL BE MINIMIZED BY PLACING A ROW OF SILT FENCE A MINIMUM 5 FEET FROM THE TOE. IF THERE IS NOT ADEQUATE PROJECT AREA TO PLACE THE SILT FENCE MORE THAN 5 FEET FROM THE TOE OF THE SLOPE, THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE FOR APPROVAL BY THE PROJECT ENGINEER.

10. STORM SEWER INLETS WILL BE PROTECTED AT ALL TIMES WITH THE APPROPRIATE INLET

PROTECTION FOR EACH SPECIFIC PHASE OF CONSTRUCTION. INLET PROTECTION DEVICES MAY NEED TO BE PLACED MULTIPLE TIMES IN THE SAME LOCATION OVER THE LIFE OF THE CONTRACT. INLET PROTECTION DEVICES WILL BE PAID FOR ONCE PER INLET REGARDLESS OF THE NUMBER OF TIMES THE BMP IS PLACED. ALL STORM SEWER INLET PROTECTION DEVICES WILL BE KEPT IN GOOD FUNCTIONAL CONDITION AT ALL TIMES. IF THE PROJECT ENGINEER DEEMS AN INLET PROTECTION DEVICE TO BE NONFUNCTIONAL, IN POOR CONDITION, INEFFECTIVE, OR NOT APPROPRIATE FOR THE CURRENT CONSTRUCTION ACTIVITIES IT WILL BE REPLACED WITH A SUITABLE ALTERNATIVE AT NO COST TO CITY. FAILURE TO PERFORM WILL RESULT IN DEDUCT.

11. THE CONTRACTOR WILL PLACE CONSTRUCTION EXITS, AS NECESSARY, TO PREVENT TRACKING OF SEDIMENT ONTO PAVED SURFACES AND IN COMPLIANCE WITH PART 9.11 OF THE NPDES PERMIT. CONSTRUCTION EXITS WILL BE SUFFICIENTLY SIZED AND MAINTAINED TO PREVENT TRACK OUT. AN ENGINEERED PRODUCT MAY BE ALLOWED FOR CONSTRUCTION EXITS IN LIEU OF CRUSHED ROCK AS APPROVED BY THE ENGINEER.

12. THE CONTRACTOR MUST USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT DISCHARGE OR PLACEMENT OF BITUMINOUS GRINDINGS, CUTTINGS, MILLINGS, AND OTHER BITUMINOUS WASTES FROM AREAS OF EXISTING OR FUTURE VEGETATED SOILS AND ALL WATER CONVEYANCE SYSTEMS, INCLUDING INLETS.

13. THE CONTRACTOR MUST USE METHODS AND OPERATIONAL PROCEEDURES THAT PREVENT CONCRETE DUST, PARTICLES, SAW CUT SLURRY, PLANING WASTE AND OTHER CONCRETE WASTES FROM LEAVING THE RIGHT OF WAY, DEPOSITING IN EXISTING OR FUTURE VEGETATED AREAS, OR ENTERING STORMWATER CONVEYANCE SYSTEMS, INCLUDING INLETS AND CURB FLOW LINES.

14. DITCHES AND EXPOSED SOILS MUST BE KEPT IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES AND BLANKETS.

15. ALL EXPOSED SOIL AREAS MUST BE TEMPORARILY OR PERMANENTLY STABILIZED NO MORE THAN 14 DAYS (7 DAYS IF WITHIN 1 MILE OF AND DRAINING TO A SPECIAL OR IMPAIRED WATER) AFTER CONSTRUCTION ACTIVITY ON THAT PORTION OF THE SITE THAT HAS TEMPORARILY OR PERMANENTLY CEASED. IN MANY INSTANCES, THIS WILL REQUIRE STABILIZATION TO OCCUR MORE THAN ONCE DURING ROUGH GRADING. RAPID STABILIZATION METHODS 1, 2, 3 OR 4 WILL BE USED TO PROVIDE TEMPORARY COVER, AS APPROPRIATE, IN THESE AREAS.

16. ALL EXPOSED SOIL AREAS WILL BE STABILIZED PRIOR TO THE ONSET OF WINTER. ANY WORK STILL BEING PERFORMED WILL BE SNOW MULCHED, SEEDED, OR BLANKETED WITHIN THE TIME FRAMES IN THE NPDES PERMIT.

17. ALL TOPSOIL BERMS SHALL BE STABILIZED AS FOLLOWS:
- A. BETWEEN MAY 1 - AUGUST 1, SEED WITH SEED MIXTURE 22-111.
 - B. SEED MIXTURE 22-111 CANNOT BE PLANTED AFTER AUGUST 1.
18. THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING INSPECTION AND MAINTENANCE REQUIREMENTS:
- A. SILT FENCE AND BIOLOGS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN IT BECOMES NON-FUNCTIONAL OR SEDIMENT REACHES 1/3 THE HEIGHT OF THE SILT FENCE AND BIOLOG. REPAIRS MUST BE MADE WITHIN 24 HOURS OF DISCOVERY.
 - B. INLET PROTECTION DEVICES SHOULD BE REPAIRED WHEN THEY BECOME NON-FUNCTIONAL OR SEDIMENT REACHES 1/3 THE HEIGHT AND/OR DEPTH OF THE DEVICE
 - C. TEMPORARY SEDIMENT BASINS MUST HAVE THE SEDIMENT REMOVED ONCE THE SEDIMENT HAS REACHED 1/2 THE STORAGE VOLUME WITHIN 72 HOURS OF DISCOVERY
 - D. TRACKED SEDIMENT MUST BE REMOVED WITHIN 24 HOURS OF DISCOVERY OF TRACKING ONTO PAVED SURFACES. PAVEMENT SHALL BE LIGHTLY WETTED PRIOR TO SWEEPING.
 - E. ALL OTHER NON-FUNCTIONAL BMPS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITHIN 24 HOURS OF DISCOVERY
 - F. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL BMPS UNTIL WORK HAS BEEN COMPLETED, SITE HAS GONE UNDER FINAL STABILIZATION, AND THE NOTICE OF TERMINATION NOTI HAS BEEN SUBMITTED TO THE MPCA IN ACCORDANCE WITH PART II.B.5 OF THE CONSTRUCTION GENERAL PERMIT.

19. IF SEDIMENT DEPOSITS IN A WATER OF THE STATE, THE MATERIAL MUST BE REMOVED WITHIN 7 DAYS. REMOVAL PLAN MUST BE APPROVED BY ENGINEER.

20. TEMPORARY DEWATERING ACTIVITIES MAY BE REQUIRED FOR ROADWAY CONSTRUCTION AND UTILITY WORK. THEREFORE IT IS POSSIBLE THAT A PERMIT FOR THE TEMPORARY APPROPRIATION OF WATERS OF THE STATE, NON-IRRIGATION FROM MNDNR WILL BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING THIS PERMIT. ALL TEMPORARY DEWATERING SHALL BE DISCHARGED TO AN APPROVED LOCATION FOR TREATMENT PRIOR TO DISCHARGE TO THE RECEIVING WATER. THE CONTRACTOR IS REQUIRED TO SUBMIT SITE PLANS TO ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK ACCORDING TO MNDOT SPEC 1717.2.

21. SITE DRAINING ACTIVITIES OF TURBID OR SEDIMENT LADEN WATER WILL BE DISCHARGED TO TEMPORARY SEDIMENT BASINS WHENEVER POSSIBLE. IN THE EVENT THAT IT IS NOT POSSIBLE TO DISCHARGE THE SEDIMENT LADEN WATER TO A TEMPORARY SEDIMENT BASIN, THE WATER MUST BE TREATED 50 THAT IT DOES NOT CAUSE A NUISANCE CONDITION IN THE RECEIVING WATERS DR TO DOWNSTREAM LANDOWNERS.

22. ANY SUBSURFACE DRAINAGE TILES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED, REPLACED OR REROUTED, AND CONNECTED TO THE EXISTING TILE OR DRAINAGE SYSTEM TO ENSURE THAT EXISTING UPLAND DRAINAGE IS PERPETUATED. THIS SHOULD BE DONE TO THE

APPROVAL AND SATISFACTION OF THE ENGINEER.

23. FILTER LOGS SHALL BE PLACED, AS NEEDED, TO TRAP SEDIMENT ON THE LOWER EDGE OF BEDS OR TREE HOLES. FILTER LOGS WILL BE LEFT TO PHOTO DEGRADE.

24. TILLING FOR BEDS OR TREE HOLES MUST BE PLANTED ANO MULCHED WITH WOODCHIP WITHIN 7 DAYS OR STRAW MULCHED UNTIL PLANTING OPERATIONS CAN BE COMPLETED.

ON SITE EROSION CONTROL INSPECTOR
CONTACT INFORMATION

NAME	
ADDRESS	
WORK PHONE NO.	
CELL PHONE NO.	
EMAIL ADDRESS	

NO.	DATE	BY	DESCRIPTION OF REVISIONS

SURVEY	RP
DRAWN	DRT
DESIGNED	DRT
CHECKED	EH
APPROVED	EH
CITY PROJ. NO.	24-03

I HEREBY CERTIFY THAT THIS PLAN 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.


ERIK HENRIKSEN, PE

DATE 6/12/2025 LIC. NO. 59414



SWPPP NARRATIVE

2025 PATHWAY IMPROVEMENTS
TAMARACK PARK PATHWAY

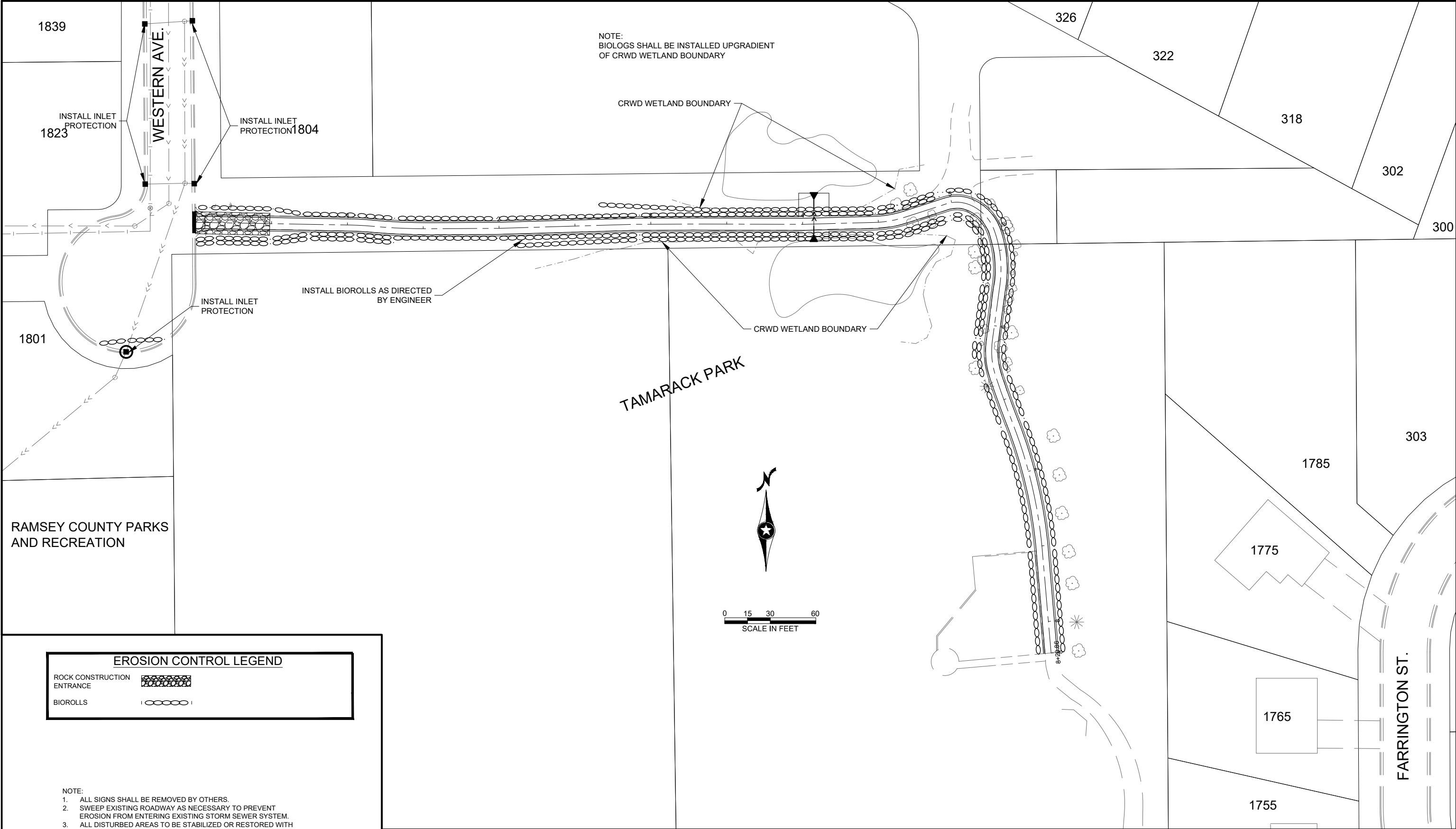
SHEET NO.

10

SHEET NO.

13

OF SHEETS



EROSION CONTROL LEGEND

ROCK CONSTRUCTION ENTRANCE

BIOROLLS

- NOTE:
- ALL SIGNS SHALL BE REMOVED BY OTHERS.
 - SWEEP EXISTING ROADWAY AS NECESSARY TO PREVENT EROSION FROM ENTERING EXISTING STORM SEWER SYSTEM.
 - ALL DISTURBED AREAS TO BE STABILIZED OR RESTORED WITH MnDOT SEED MIX 36-211 AND C125BN EROSION BLANKET.
 - SILT FENCE OR FABRIC PLACED UNDER THE GRATE IS NOT AN APPROVED FORM OF INLET PROTECTION

EROSION CONTROL PLAN
TAMARACK PARK PATHWAY

NO.	DATE	BY	DESCRIPTION OF REVISIONS
1	XX-XX-XX	XXX	

SURVEY	RP
DRAWN	DRT
DESIGNED	DRT
CHECKED	JAF
APPROVED	JAF
CITY PROJ. NO.	20-02

I HEREBY CERTIFY THAT THIS PLAN 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.



DATE 2/21/2020 LIC. NO. 47272

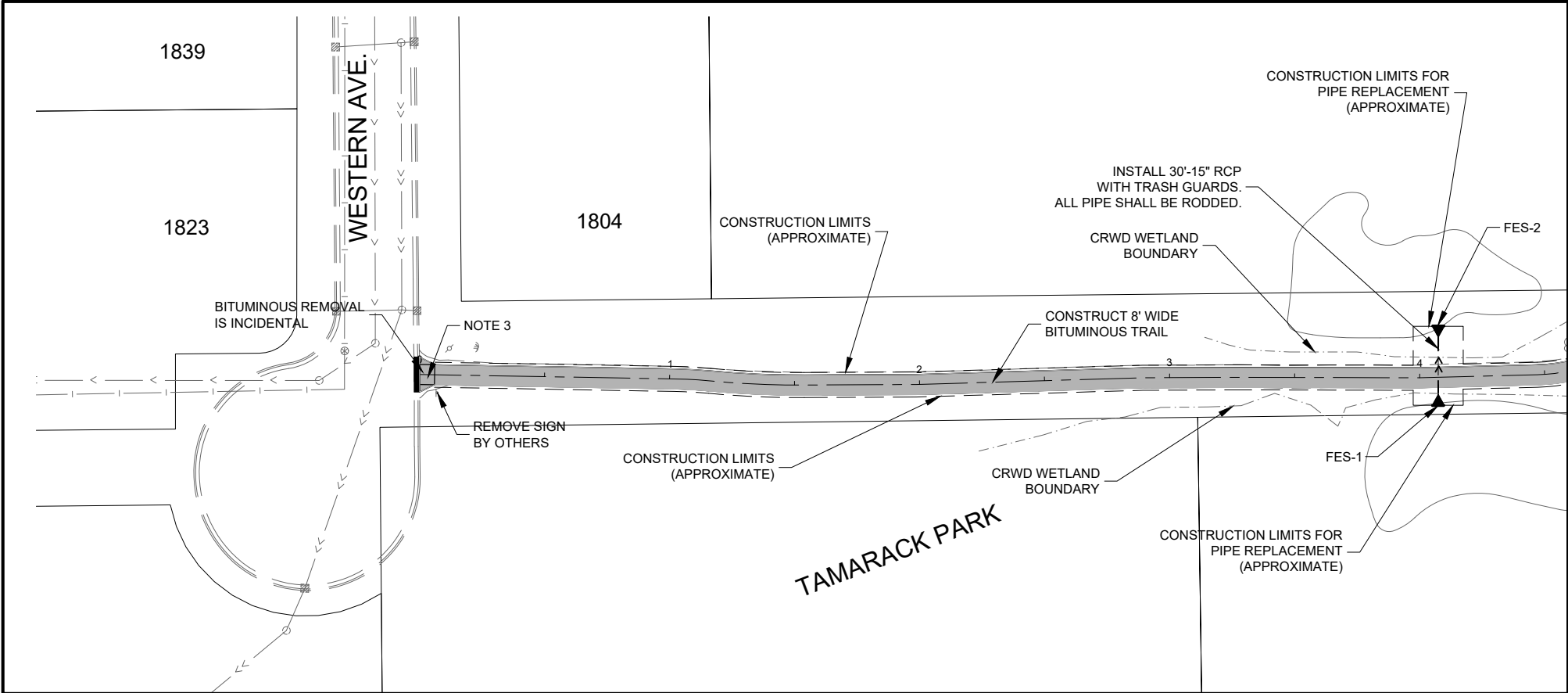


ENGINEERING DEPARTMENT

2020 PATHWAY IMPROVEMENTS
PATHWAY IMPROVEMENT PROJECT

SHEET NO.	
11	23
SHEET NO.	OF SHEETS

Plot Date: 06/30/2025
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User: JAF
Title: 20-02 PATHWAY IMPROVEMENTS
Project: 20-02 PATHWAY IMPROVEMENTS
Sheet: 11 OF 23



REMOVAL LEGEND

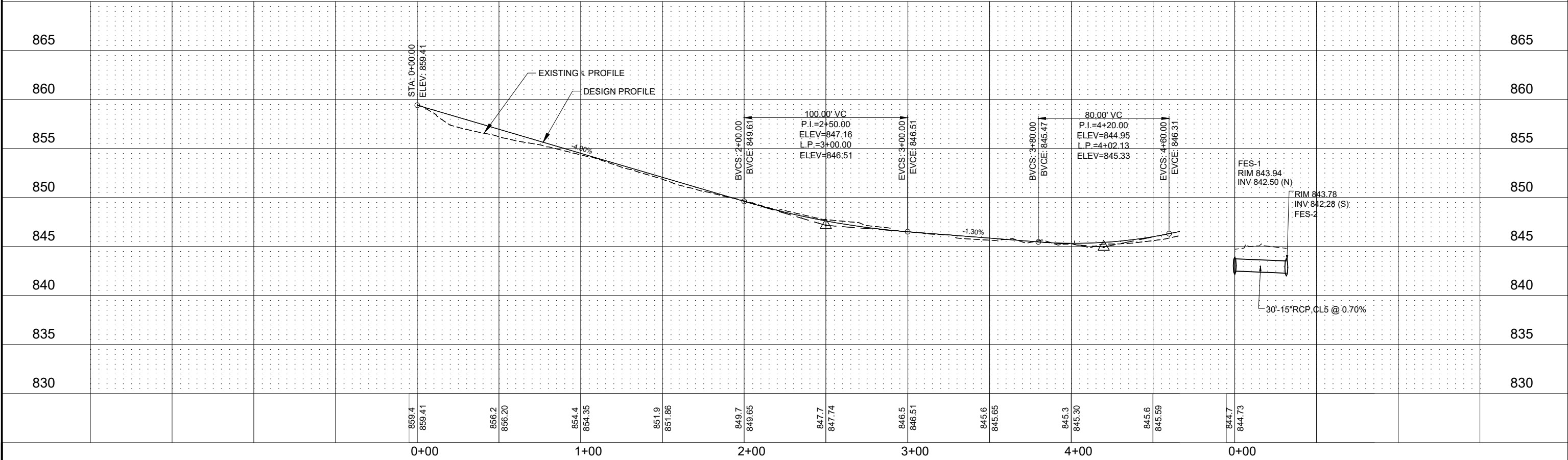
SAWCUT AND REMOVE EXISTING BITUMINOUS

REMOVE EXISTING CONCRETE CURB

- NOTES:
- CONTRACTOR IS RESPONSIBLE FOR HAVING UTILITIES LOCATED IN THE FIELD.
 - SIGN RELOCATIONS (REMOVAL, PROTECTION AND REINSTALLATIONS) ARE INCIDENTAL UNLESS OTHERWISE NOTED.
 - CONSTRUCT CONCRETE PEDESTRIAN CURB RAMP WITH TRUNCATED DOMES. SEE MNDOT STANDARD PLANS.
 - REMOVE AND REPLACE CURB & GUTTER SECTIONS AS DIRECTED BY THE ENGINEER.
 - RESTORE ALL DISTURBED AREAS WITHIN WETLAND BOUNDARIES WITH MNDOT 34-181 SEED MIX, AND C125BN EROSION BLANKET.
 - RESTORE ALL DISTURBED AREAS UPLAND OF WETLAND BOUNDARIES WITH 4" TOPSOIL, MNDOT 34-271 SEED MIX, AND C125BN EROSION BLANKET.
 - RESTORE ALL DISTURBED AREAS OUTSIDE OF WETLAND BOUNDARIES WITH 4" TOPSOIL, MNDOT 36-212 SEED MIX, AND C125BN EROSION BLANKET.
 - FINAL GRADES WILL GENERALLY MATCH EXISTING GRADES. MINOR ADJUSTMENTS WILL BE MADE BY THE ENGINEER IN THE FIELD.
 - FINAL INVERT ELEVATIONS WILL MATCH EXISTING ELEVATIONS (VERIFY IN FIELD AT TIME OF CONSTRUCTION).
 - DISTURBED AREA OF PIPE REPLACEMENT WITHIN WETLAND BOUNDARIES EQUALS 391 SF (0.009 AC).
 - DISTURBED AREA OF PATHWAY CONSTRUCTION WITHIN WETLAND BOUNDARIES EQUALS 0 SF (0 AC).
 - ALL CONSTRUCTION ACCESS SHALL BE FROM WESTERN AVE. UNLESS APPROVED BY ENGINEER.
 - ALL WORK NEAR EXISTING PLAYGROUND SHALL BE SECURED WITH CONSTRUCTION FENCE DURING CONSTRUCTION. INCIDENTAL TO TRAFFIC CONTROL PAY ITEM.

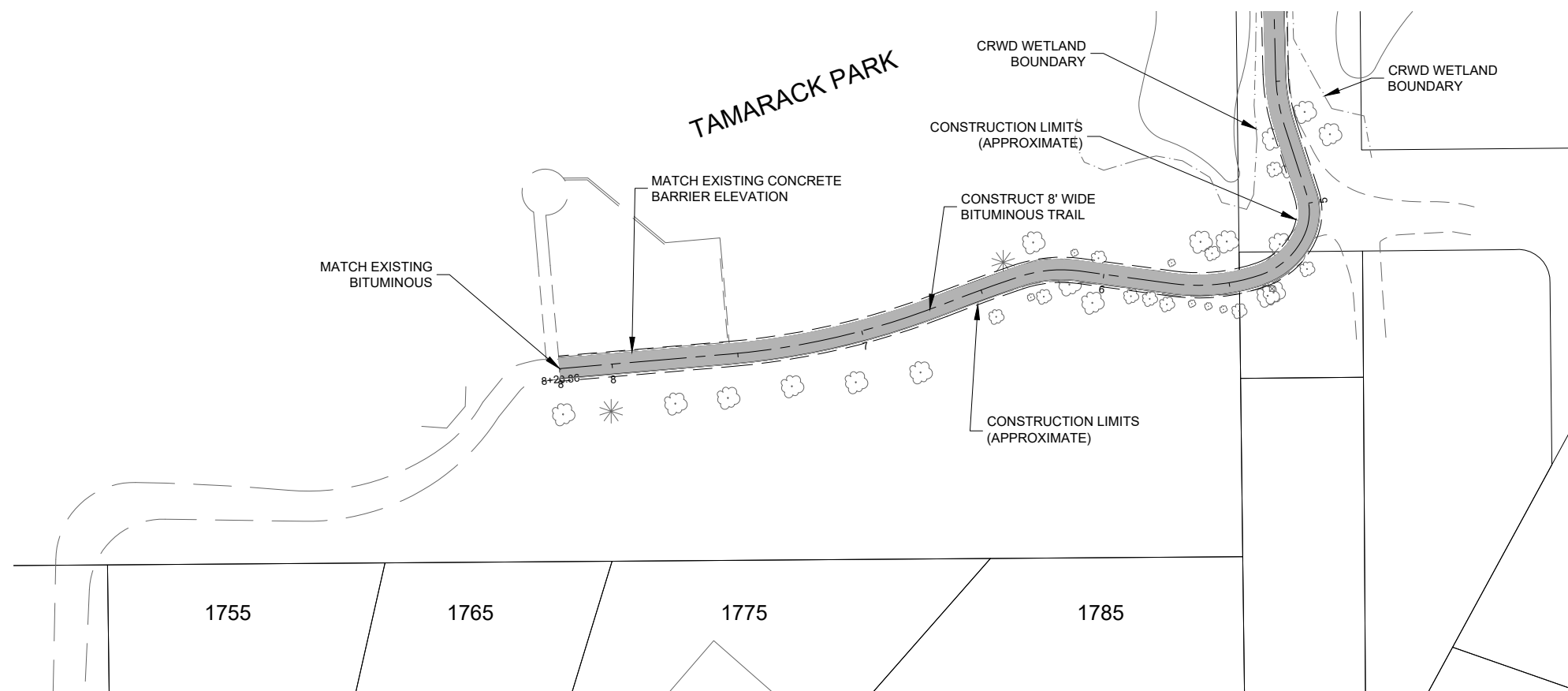


TAMARACK PARK PATHWAY
PLAN AND PROFILE



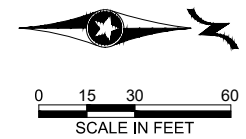
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Author: ASSTIS-NEW, CRWD Wetland Boundary Border

1 XX-XX-XX XXX			SURVEY RP DRAWN DRT DESIGNED DRT CHECKED EH APPROVED EH CITY PROJ. NO. 24-03		I HEREBY CERTIFY THAT THIS PLAN 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. DATE 6/12/2025 LIC. NO. 59414				PLAN AND PROFILE TAMARACK PARK PATHWAY		2025 PATHWAY IMPROVEMENTS TAMARACK PARK PATHWAY		SHEET NO. 12 13 SHEET NO. OF SHEETS	
NO.	DATE	BY	DESCRIPTION OF REVISIONS											



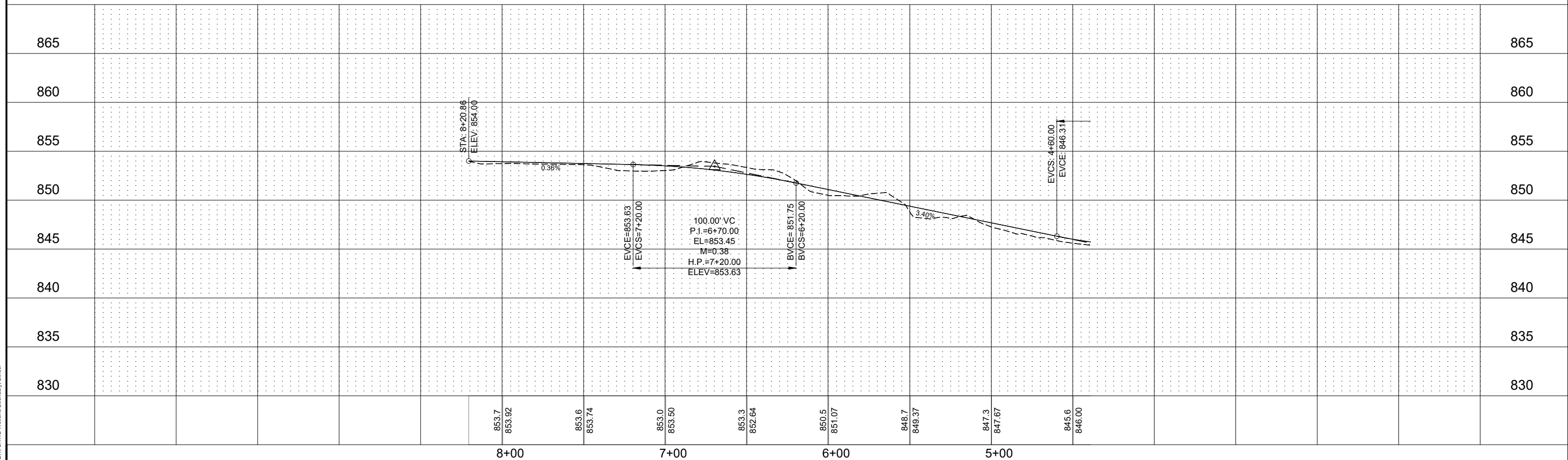
REMOVAL LEGEND		
SAWCUT AND REMOVE EXISTING BITUMINOUS		REMOVE EXISTING CONCRETE CURB

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TAMARACK PARK PATHWAY

PLAN AND PROFILE



1 XX-XX-XX XXX				SURVEY RP		I HEREBY CERTIFY THAT THIS PLAN 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.  DATE 6/12/2025 LIC. NO. 59414	 ENGINEERING DEPARTMENT	PLAN AND PROFILE TAMARACK PARK PATHWAY ----- ----- -----	2025 PATHWAY IMPROVEMENTS TAMARACK PARK PATHWAY	SHEET NO.	
				DRAWN DRT						13	13
				DESIGNED DRT						SHEET NO.	OF SHEETS
				CHECKED EH							
				APPROVED EH							
				CITY PROJ. NO. 24-03							
NO.	DATE	BY	DESCRIPTION OF REVISIONS								