

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

838 WILLIAMSON ST & 306 S PATERSON ST

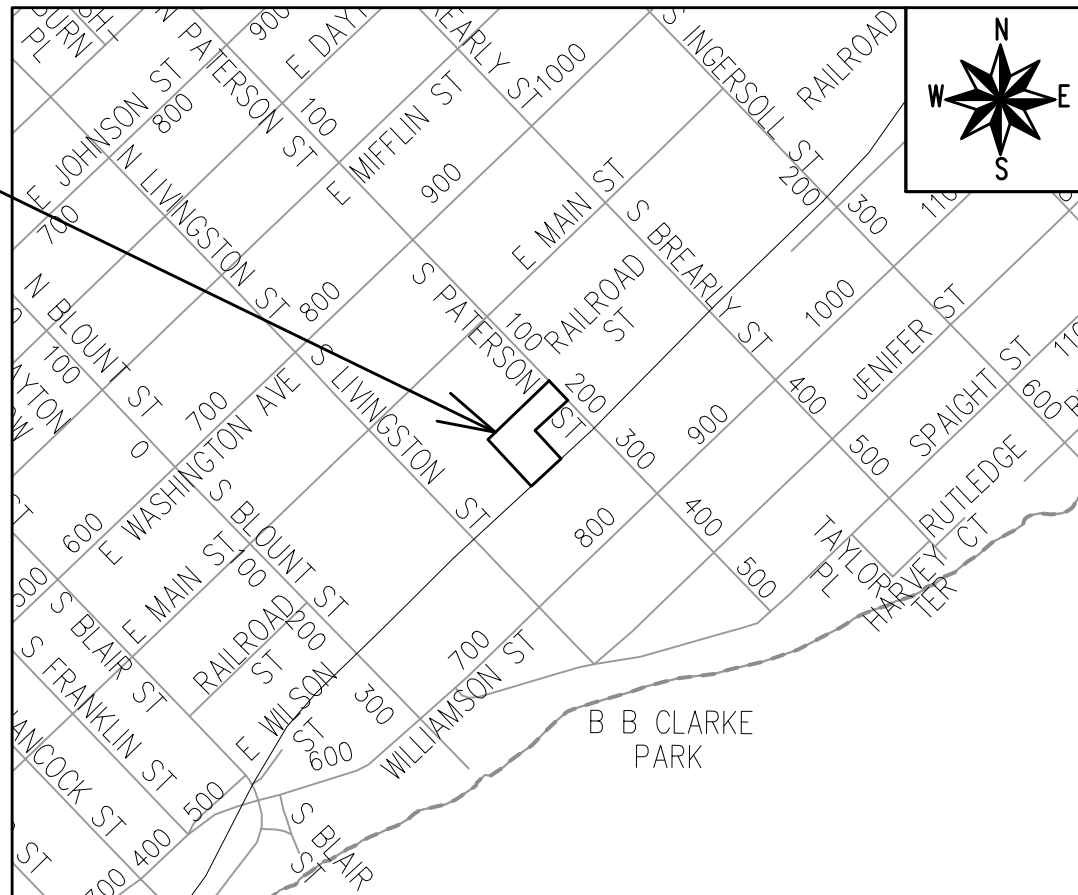
CITY PROJECT NO. 14845
CONTRACT NO. 9344

INDEX OF SHEETS

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NO MAINTENANCE PLAN REQUIRED

**PROJECT
LOCATION**



PUBLIC IMPROVEMENT PROJECT
APPROVED

OCTOBER 17, 2023.

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Apr 23, 2024

Chris Petykowski

City Engineer

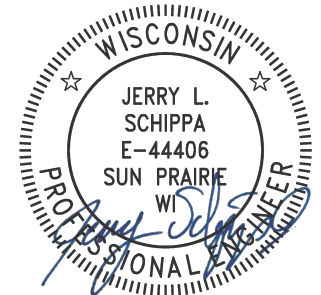
Date

STREET
DESIGNED BY:



Apr 23, 2024

ELECTRICAL
DESIGNED BY:



Apr 24, 2024

STORM & SANITARY SEWER
DESIGNED BY:

LATERALS ONLY

PLOT SCALE: 1:1_XREF

PLOT NAME: ---

REV. DATE: 4/22/2024 2:41 PM

ORIGINATOR: CITY_OF_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLANS ARE APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY SECTION 107.13 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: www.cityofmadison.com/engineering/developers-contractors/standard-specifications

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.

CONTACT THE PROJECT ENGINEER AND DESIGNER, IKE OKAFOR, AT IOKAFOR@CITYOFMADISON.COM FOR CAD FILES AND ALIGNMENT DATA PRIOR TO STAKING.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK UNLESS OTHERWISE INDICATED ON THE PLANS.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.




CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO S.D.D 3.05.

ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.

ALL PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY ARE BASED ON SURVEY DATA PROVIDED BY THE DEVELOPER OR ITS CONSULTANT. IN THE CASE THAT THE PROPOSED IMPROVEMENTS CAN NOT BE INSTALLED PER THESE PLANS OR THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE COST OF EXTRA WORK DUE TO INACCURACIES OF THE SURVEY.

ALL UTILITY VERIFICATIONS AND ACCURACY OF THE DRAWINGS ARE THE RESPONSIBILITY OF THE DEVELOPER. ANY CONFLICTS THAT ARISE FROM MISSING OR ERRONEOUS INFORMATION WILL BE AT THE EXPENSE OF THE DEVELOPER. NO PRECAST STRUCTURES WILL BE APPROVED FOR STORM OR SANITARY SEWER UNTIL ALL POTENTIAL UTILITY CONFLICTS ARE RESOLVED.

IN LOCATIONS WHERE PAVEMENT RESTORATION IS NOT IDENTIFIED ADJACENT TO CURB AND GUTTER REPLACEMENT, IT IS ASSUMED THAT CURB AND GUTTER WILL BE REPLACED WITHOUT DAMAGING ADJACENT PAVEMENT. IF DAMAGED, THE MILL AND OVERLAY LIMITS SHALL BE EXTENDED BY THE CITY CONSTRUCTION ENGINEER AS NECESSARY TO MEET THE STANDARD PATCHING CRITERIA.

<i>CONVENTIONAL SIGNS</i>	
<i>FIELD VERIFY ALL UTILITY LOCATIONS</i>	
<i>GAS</i>	—— G ——
<i>STORM SEWER</i>	—— ST ——
<i>SANITARY SEWER</i>	—— SAN ——
<i>WATER</i>	—— W ——
<i>BURIED ELECTRIC</i>	—— E ——
<i>OVERHEAD ELECTRIC</i>	—— OH ——
<i>POWER POLE</i>	
<i>ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD</i>	
<i>COMBUSTIBLE FLUIDS</i>	

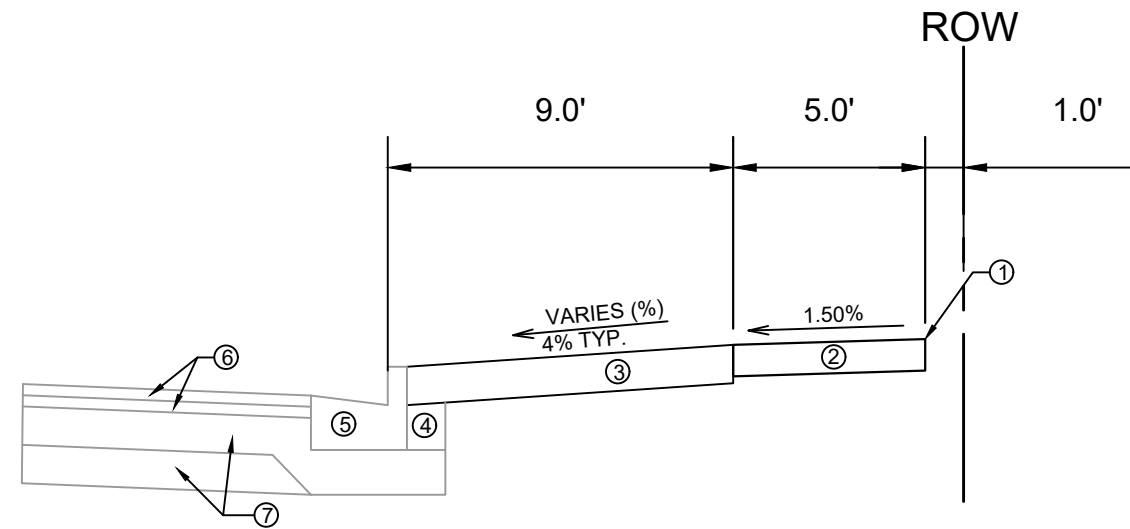
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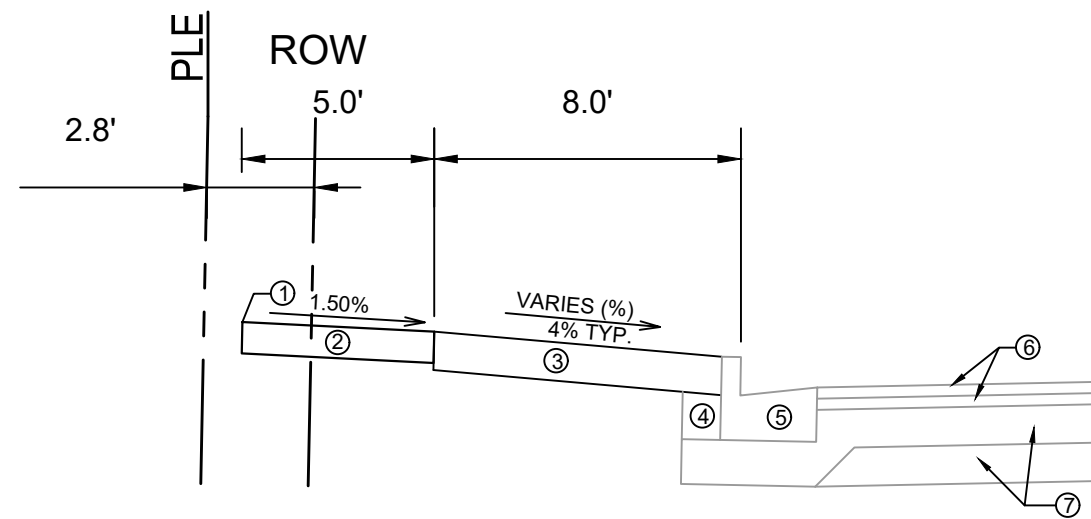
GENERAL NOTES
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D-1



TYPICAL SECTION
S. PATERSON STREET - SIDEWALK



TYPICAL SECTION
WILLIAMSON STREET - SIDEWALK

SPECIAL NOTES:

*SEE X-SHEETS FOR CROSS SLOPES

- ① POINT REFERRED TO ON PROFILE.
- ② 5" CONCRETE SIDEWALK, 7" AT DRIVEWAYS.
- ③ 6" TOPSOIL, SEED AND MAT.
- ④ EXISTING FILL TO REMAIN, INSTALL AT CURB REPLACEMENT LOCATIONS.
- ⑤ EXISTING CURB & GUTTER TYPE A, REPLACE AT LOCATIONS SHOWN IN P SHEETS OR AS DETERMINED BY THE ENGINEER.
- ⑥ EXISTING ASPHALTIC PAVEMENT TO REMAIN.
- ⑦ EXISTING ROAD BASE TO REMAIN.

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TYPICAL SECTIONS
838 WILLIAMSON ST & 306 S PATERSON ST
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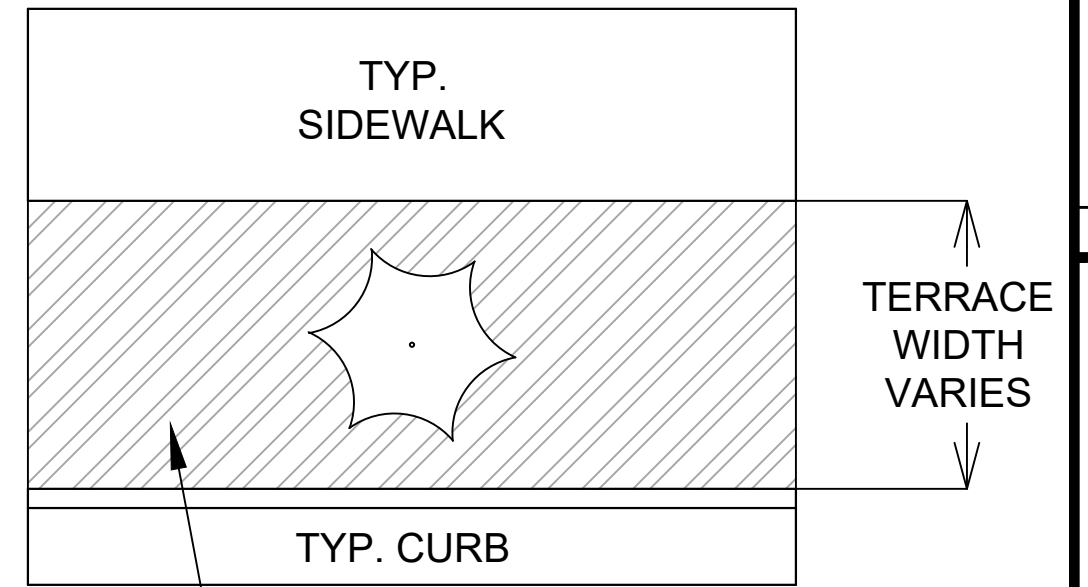


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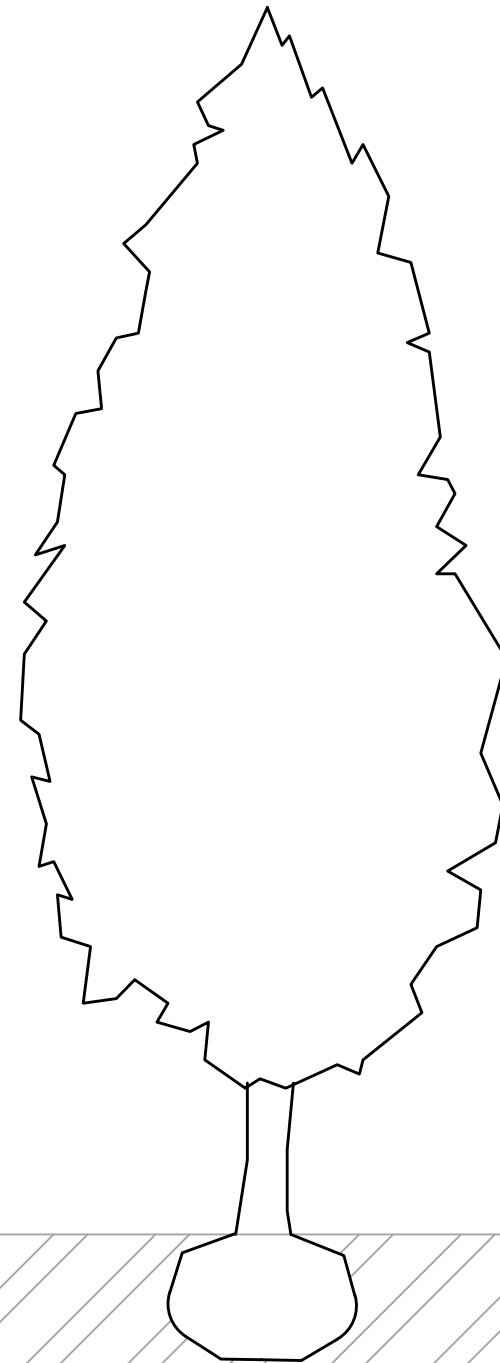
TERRACE EXCAVATION FOR TREE PLANTING:

THIS INCLUDES ALL WORK NECESSARY TO EXCAVATE AREAS WITHIN GRASS TERRACES TO AN APPROPRIATE DEPTH SUITABLE FOR NEW TREE PLANTINGS. ALL WORK SHALL BE IN ACCORDANCE WITH ARTICLE 201 OF THE STANDARD SPECIFICATIONS. THE PROPOSED LOCATIONS FOR TREE PLANTINGS ARE IDENTIFIED ON THE LANDSCAPING PLAN INCLUDED WITHIN THIS PLAN SET. PRIOR TO THE CONTRACTOR STARTING THE EXCAVATION WORK, THE ENGINEER AND FORESTRY REPRESENTATIVE SHALL REVIEW THE PLAN LOCATIONS ON-SITE AND CONFIRM THAT NO CONFLICTS ARE ANTICIPATED. ONCE THE LOCATIONS MARKED, THE CONTRACTOR SHALL EXCAVATE THE TERRACE AREA TO A SUITABLE DEPTH FOR NEW TREE PLANTINGS, APPROXIMATELY TWENTY (20) INCHES TO TWENTY-FOUR (24) INCHES. THE TERRACE SHALL BE EXCAVATED TO A MINIMUM LENGTH OF TWENTY (20) FEET, BUT THAT MAY BE REDUCED BY THE CONSTRUCTION ENGINEER TO FIT SITE CONSTRAINTS AS NECESSARY. THE WIDTH OF THE TERRACE SHALL ALSO BE EXCAVATED TO AS CLOSE TO THE SIDEWALK/PATH AND CURB AS IS REASONABLE. WHILE PERFORMING THE EXCAVATION, THE CONTRACTOR SHALL TAKE CARE TO NOT UNDERMINE OR DAMAGE THE ADJACENT CURB OR SIDEWALK. IF DAMAGED DURING THE EXCAVATION PROCESS, THE DEVELOPER SHALL REPLACE CURB OR SIDEWALK/PATH AT THEIR COST. ONCE THE AREA IS EXCAVATED, THE CONTRACTOR SHALL BACKFILL THE EXCAVATED AREA WITH REGULAR TOPSOIL, AND THE SURFACE SHALL BE RESTORED WITH SEED AND EROSION MAT.

TOP VIEW



FRONT VIEW



RESTORE SURFACE WITH SEED AND EROSION MAT

BACKFILL EXCAVATED AREA WITH TOPSOIL

20-24" 6"

SPECIAL NOTES:

REFER TO S.D.D. 2.01 FOR STANDARD PLANTING TECHNIQUE FOR TREES IN TURF AREAS.

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TERRACE EXCAVATION DETAIL
838 WILLIAMSON ST & 306 S PATERSON ST
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14845
D-3

820 WILLIAMSON STREET

838 WILLIAMSON STREET

844 WILLIAMSON STREET

EX. 10' WIDE SETBACK AGREEMENT DOC. 3794300

EX. 2.5' SIDEWALK EASEMENT PER DOC #4288020

SEE SHEET U-1 FOR PROPOSED LATERALS.

STA 1+34.85, 0.00' LT
854.30 BW/LOW POINT

STA 2+28.38, 0.00' RT
854.71 BW/PI

STA 1+05.97, 0.00'
854.44 BW/HIGH POINT

2' WIDE CONCRETE WATERWAY (5" THICK)

STA 2+18.04, 0.00'
854.76 BW/PI/HIGH POINT

REMOVE EX. APRON PER COMMERCIAL DRIVEWAY PERMIT *

STA 0+56.60, 0.00'
854.03 BW/DRWY/LOW POINT

STA 0+34.60, 0.00'
854.13 BW/DRWY

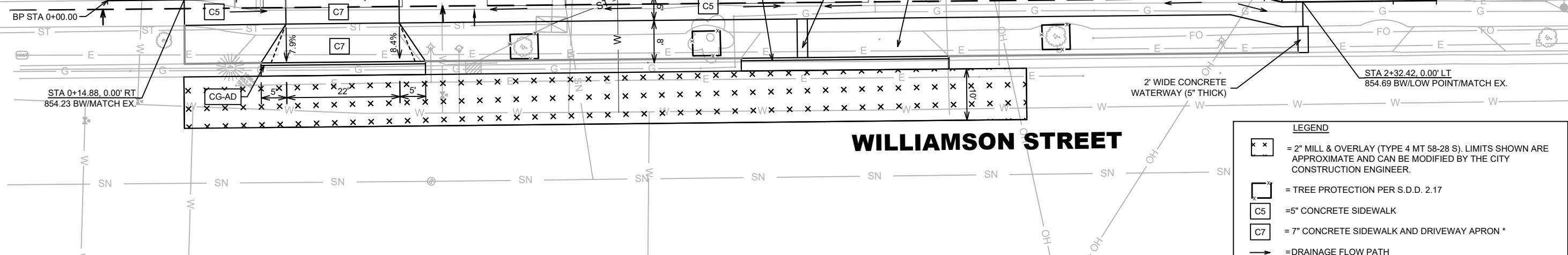
SIDEWALK EASEMENT

CG-A

PI STA 2+18.04

PI STA 2+28.38

EP STA 2+56.38



WILLIAMSON STREET

LEGEND

- = 2" MILL & OVERLAY (TYPE 4 MT 58-28 S). LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED BY THE CITY CONSTRUCTION ENGINEER.
- = TREE PROTECTION PER S.D.D. 2.17
- = 5" CONCRETE SIDEWALK
- = 7" CONCRETE SIDEWALK AND DRIVEWAY APRON *
- = DRAINAGE FLOW PATH
- = TYPE 'A' CONCRETE CURB & GUTTER
- = DRIVEWAY SECTION TYPE 'A' CONCRETE CURB & GUTTER
- = SAWCUT

* SEE COMMERCIAL DRIVEWAY PERMIT # LNDUSE-2023-00020
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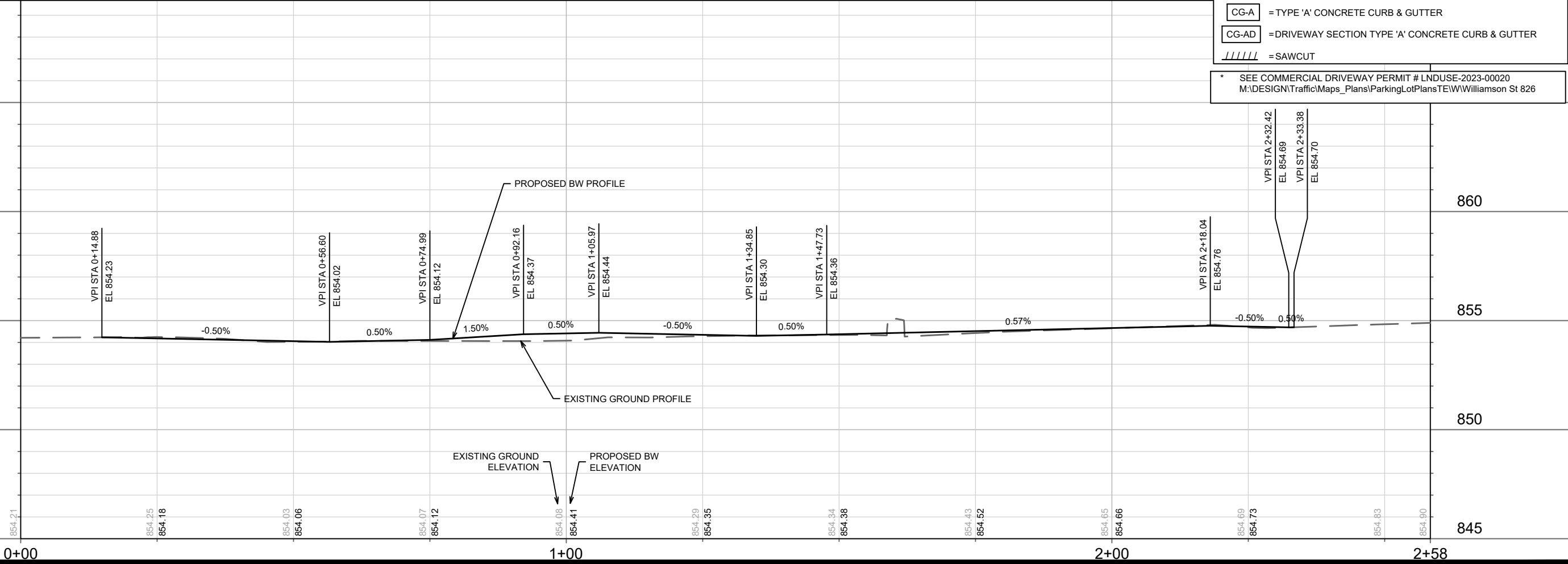
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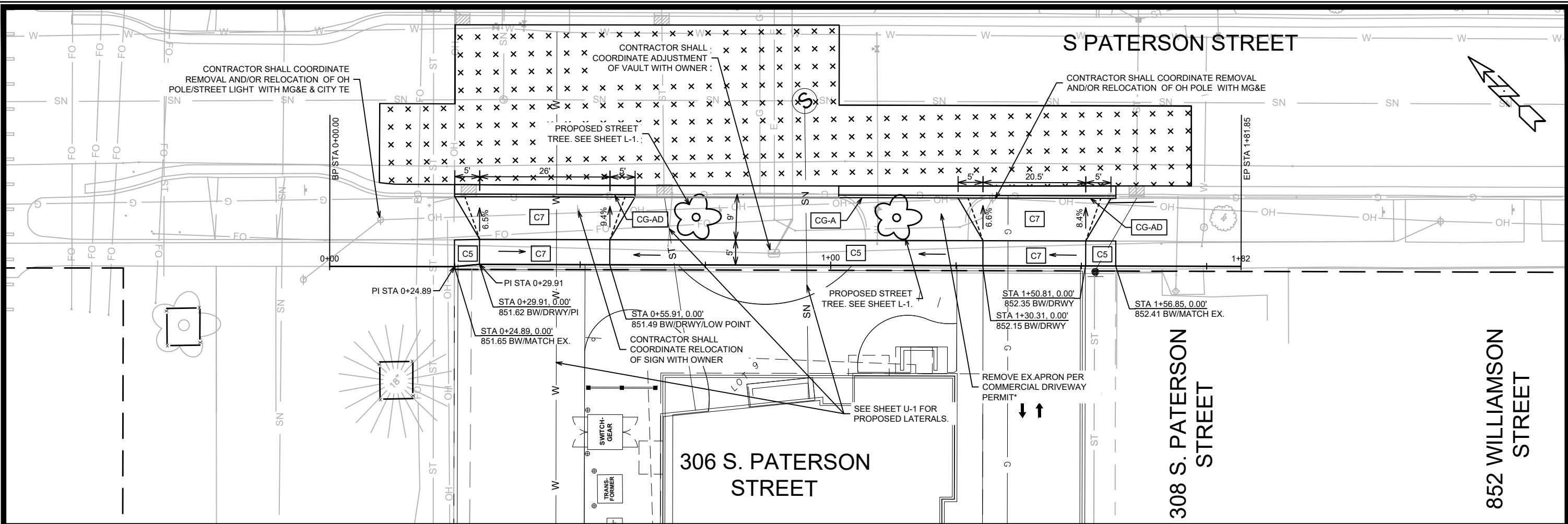
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SIDEWALK PLAN & PROFILE - WILLIAMSON STREET
838 WILLIAMSON ST & 306 S PATERSON ST
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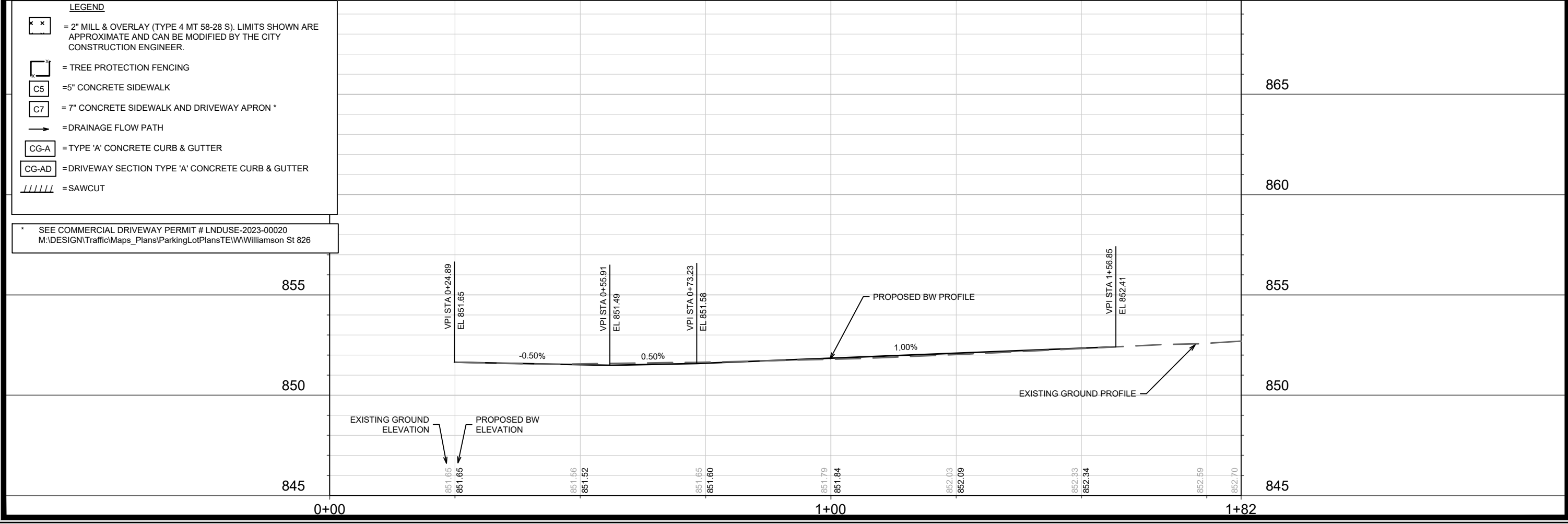
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LEGEND

- x x = 2" MILL & OVERLAY (TYPE 4 MT 58-28 S). LIMITS SHOWN ARE APPROXIMATE AND CAN BE MODIFIED BY THE CITY CONSTRUCTION ENGINEER.
- x = TREE PROTECTION FENCING
- C5 = 5" CONCRETE SIDEWALK
- C7 = 7" CONCRETE SIDEWALK AND DRIVEWAY APRON *
- \rightarrow = DRAINAGE FLOW PATH
- CG-A = TYPE 'A' CONCRETE CURB & GUTTER
- CG-AD = DRIVEWAY SECTION TYPE 'A' CONCRETE CURB & GUTTER
- = SAWCUT

* SEE COMMERCIAL DRIVEWAY PERMIT # LNDUSE-2023-00020
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838 WILLIAMSON ST & 306 S PATERSON ST		CONTRACT NO: 9344		
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NOTES:

1. NOTIFY CHAD VEINOT (608 225-1364) 48 HOURS PRIOR TO INSTALLING BASES, POLES, CONDUIT, AND CONNECTING CONDUCTORS TO ARRANGE FOR INSPECTION AND FIELD LOCATING NEW STREET LIGHT LOCATIONS.
2. PERFORM ALL WORK IN ACCORDANCE WITH CITY OF MADISON 2024 STANDARD SPECIFICATIONS.

SL1
 22' EAST OF FACE OF CURB
 3' FROM PATH EDGE.
 CONCRETE POLE, 25-FT, WITH 6' TENON TOP ARM.
 GCM2-40H-MV-WW-2R-GY-700-PCR7.

SL2
 4' WEST OF FACE OF CURB
 16' SOUTH OF PATH EDGE.
 30-FT 11 GAUGE SIMPLEX POLE
 8-FT LUMINAIRE ARM
 GCM2-40H-MV-WW-2R-GY-850-PCR7


2" SCH 40 PVC (TYP)

EXSL1
 EXISTING CONCRETE STREET LIGHT POLE
 MAY REQUIRE REMOVAL AND RE-INSTALLATION.

EXISTING CONDUIT TO REMAIN

10081
 849.84
 NNL ST01



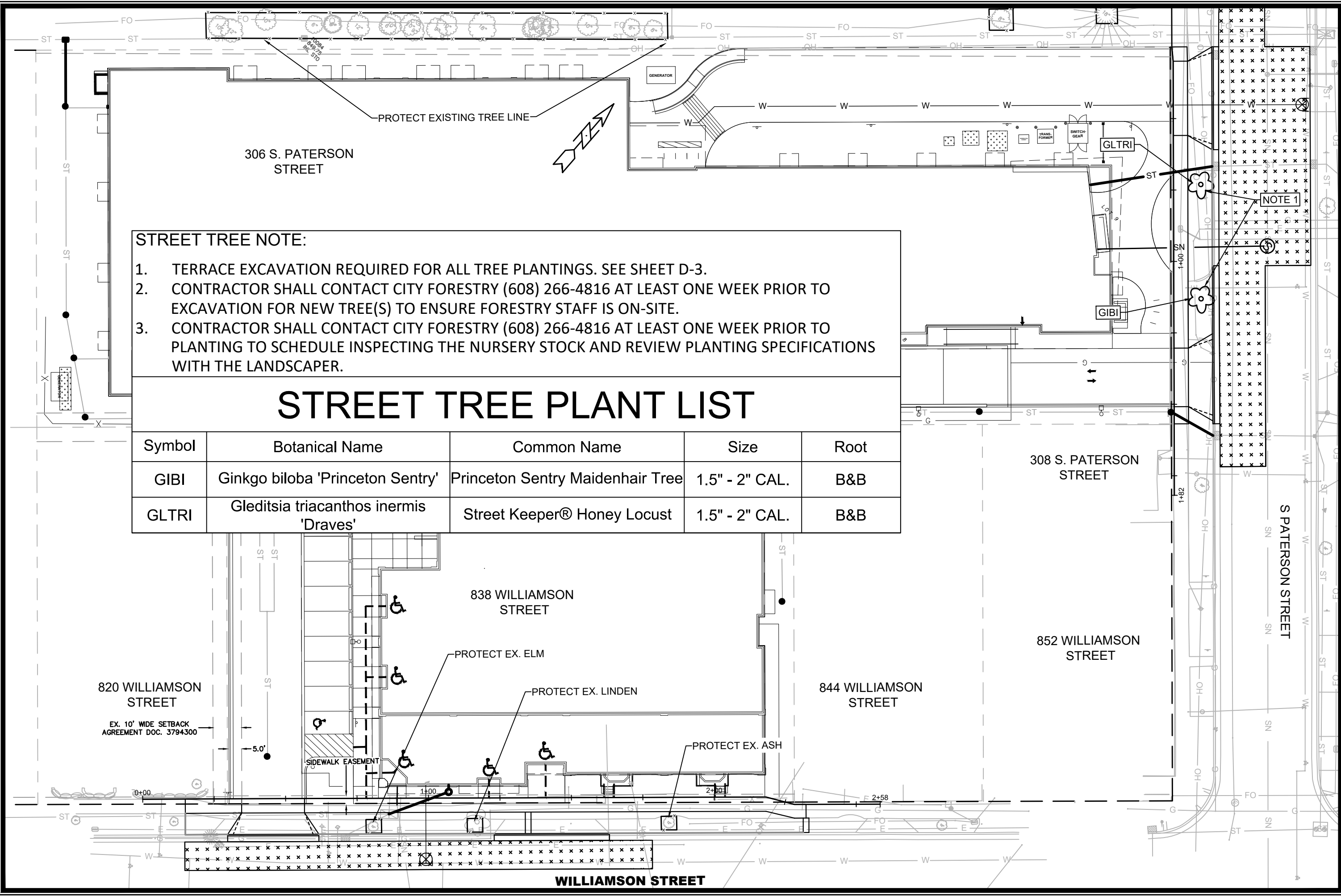
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ELECTRIC PLANS		CONTRACT NO:	14845	E-1
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STREET TREE NOTE:

1. TERRACE EXCAVATION REQUIRED FOR ALL TREE PLANTINGS. SEE SHEET D-3.
2. CONTRACTOR SHALL CONTACT CITY FORESTRY (608) 266-4816 AT LEAST ONE WEEK PRIOR TO EXCAVATION FOR NEW TREE(S) TO ENSURE FORESTRY STAFF IS ON-SITE.
3. CONTRACTOR SHALL CONTACT CITY FORESTRY (608) 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

STREET TREE PLANT LIST

Symbol	Botanical Name	Common Name	Size	Root
GIBI	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree	1.5" - 2" CAL.	B&B
GLTRI	Gleditsia triacanthos inermis 'Draves'	Street Keeper® Honey Locust	1.5" - 2" CAL.	B&B



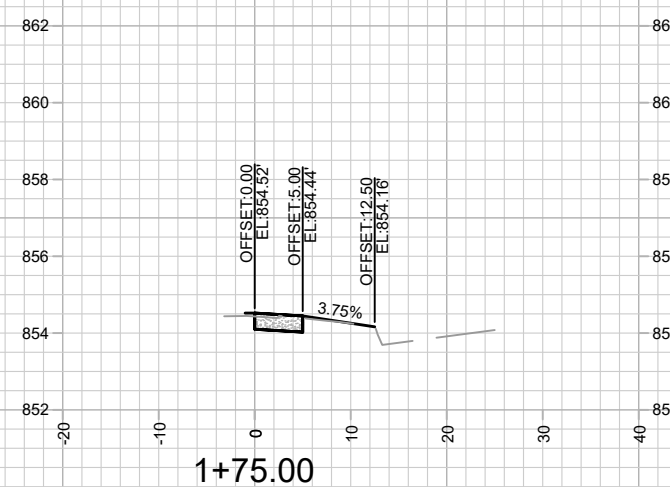
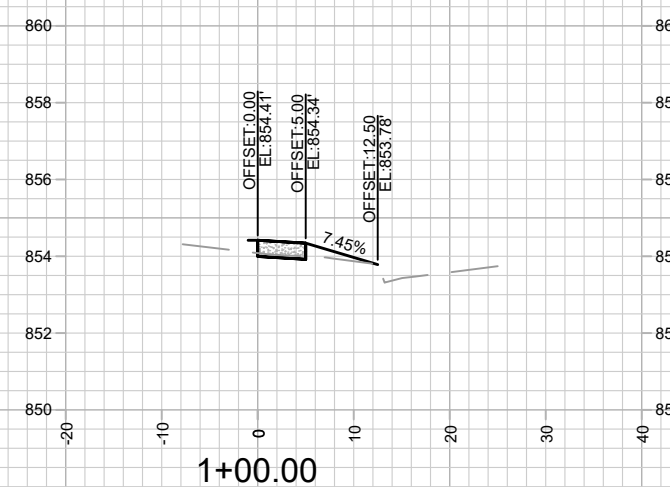
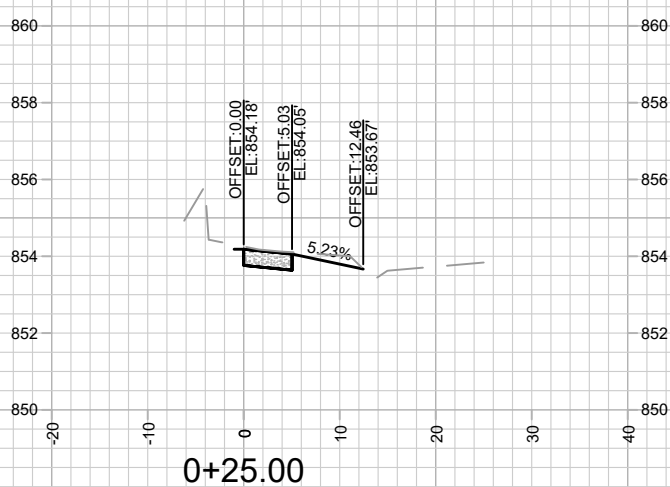
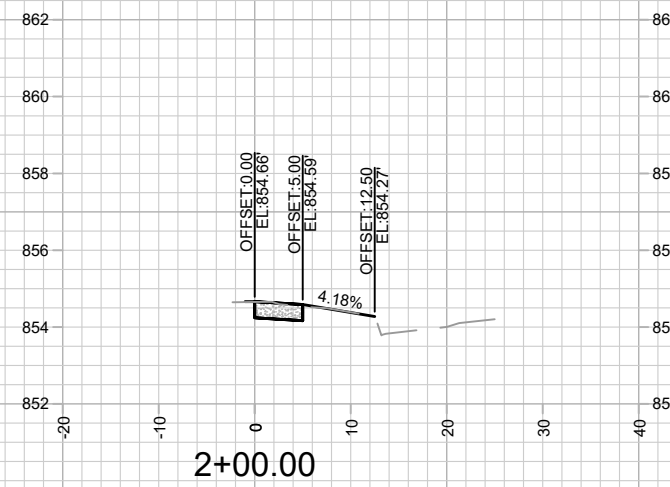
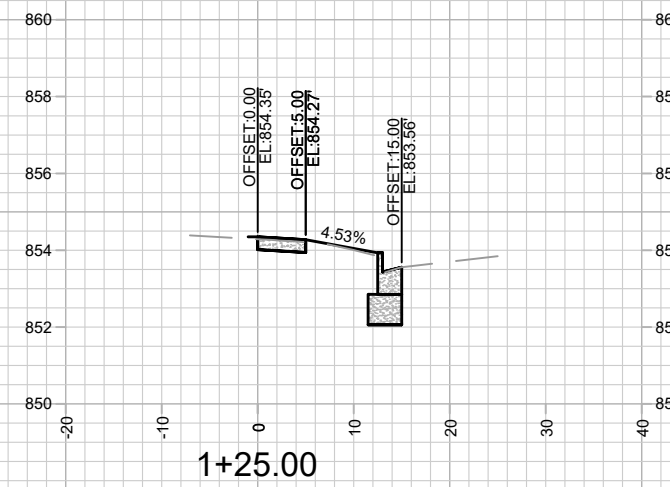
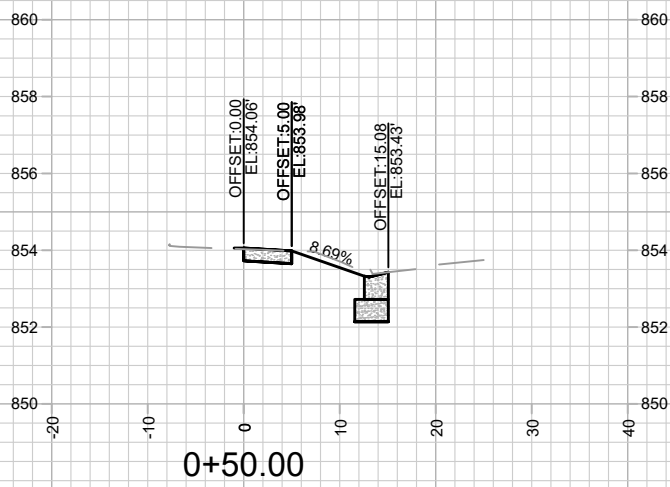
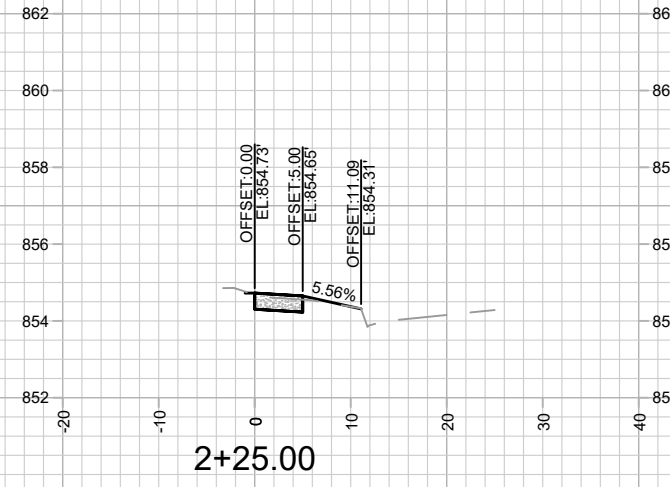
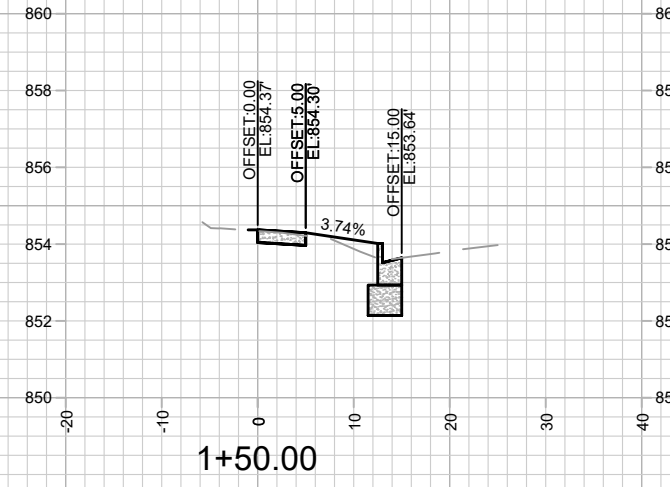
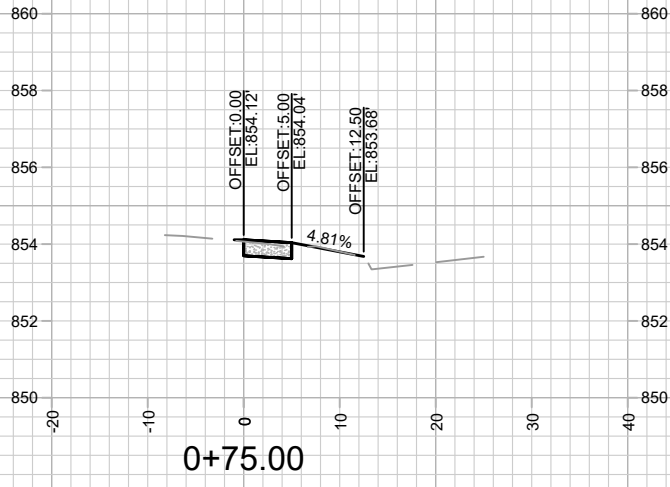
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LANDSCAPING PLAN
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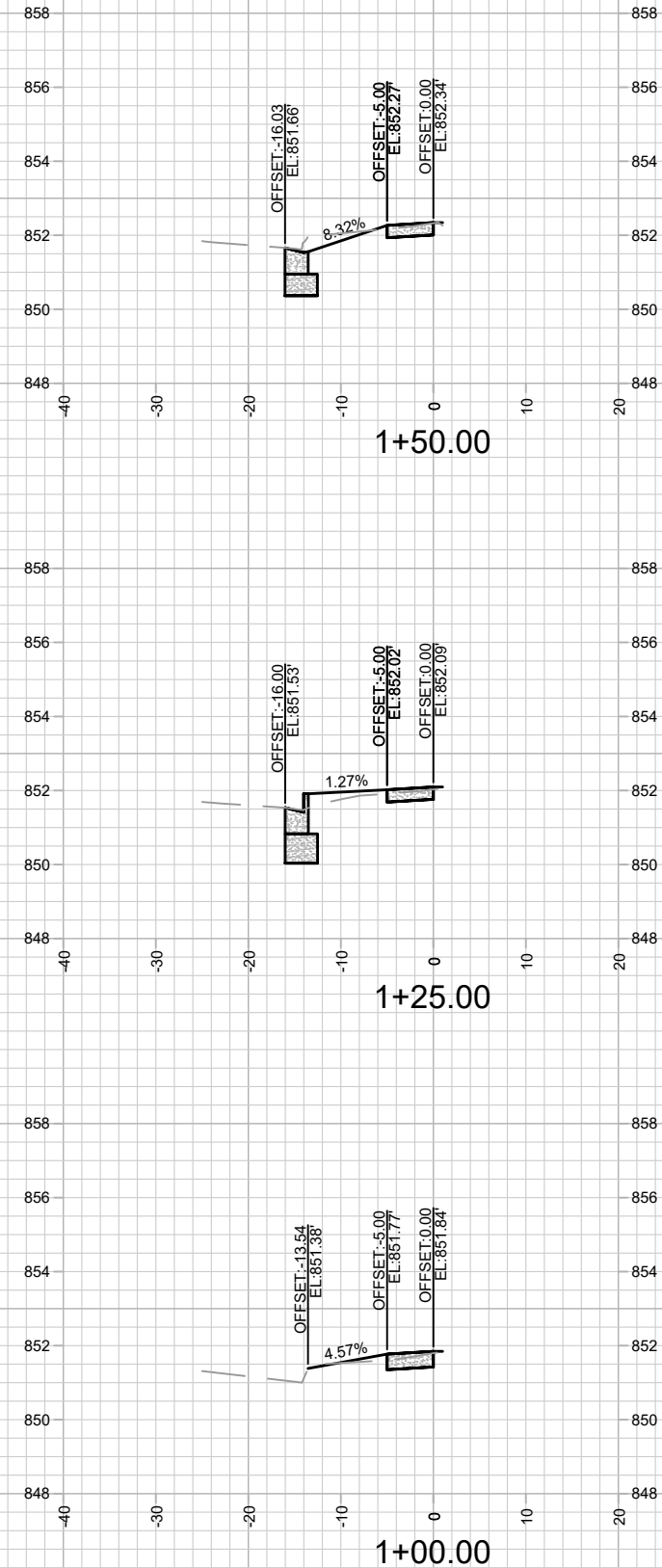
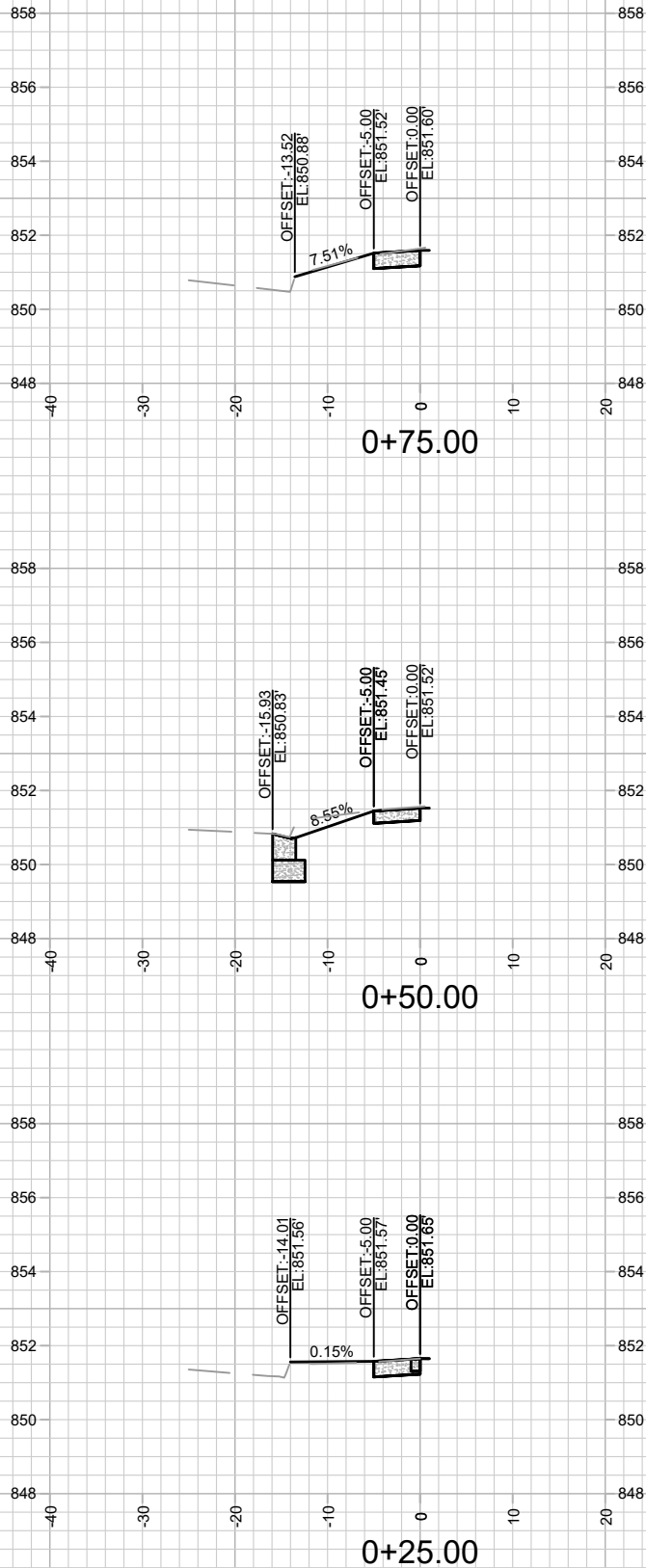
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CROSS SECTIONS - WILLIAMSON STREET
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X-2

CROSS SECTIONS - S PATERSON STREET
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