

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 3, 2017

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 12/14/17
City Engineer Date

INDEX OF SHEETS

SHEET NO.	TITLE
1	
DI-D2	DETAILS
E1-E2	ELECTRICAL PLAN
EX-05	YAHARA RIVER PUBLIC EASEMENT EXHIBIT
P1-P2	E. MAIN ST. PLAN & PROFILE
P3	E. WASHINGTON AVE. PLAN & PROFILE
L1	LANDSCAPING PLAN
U1	SANITARY SEWER & WATER LATERAL PLAN & PROFILE
U2	STORM SEWER ALONG YAHARA RIVER PLAN

1801 EAST WASHINGTON AVENUE:

CITY PROJECT NO. 11333

MUNIS NO. 11333

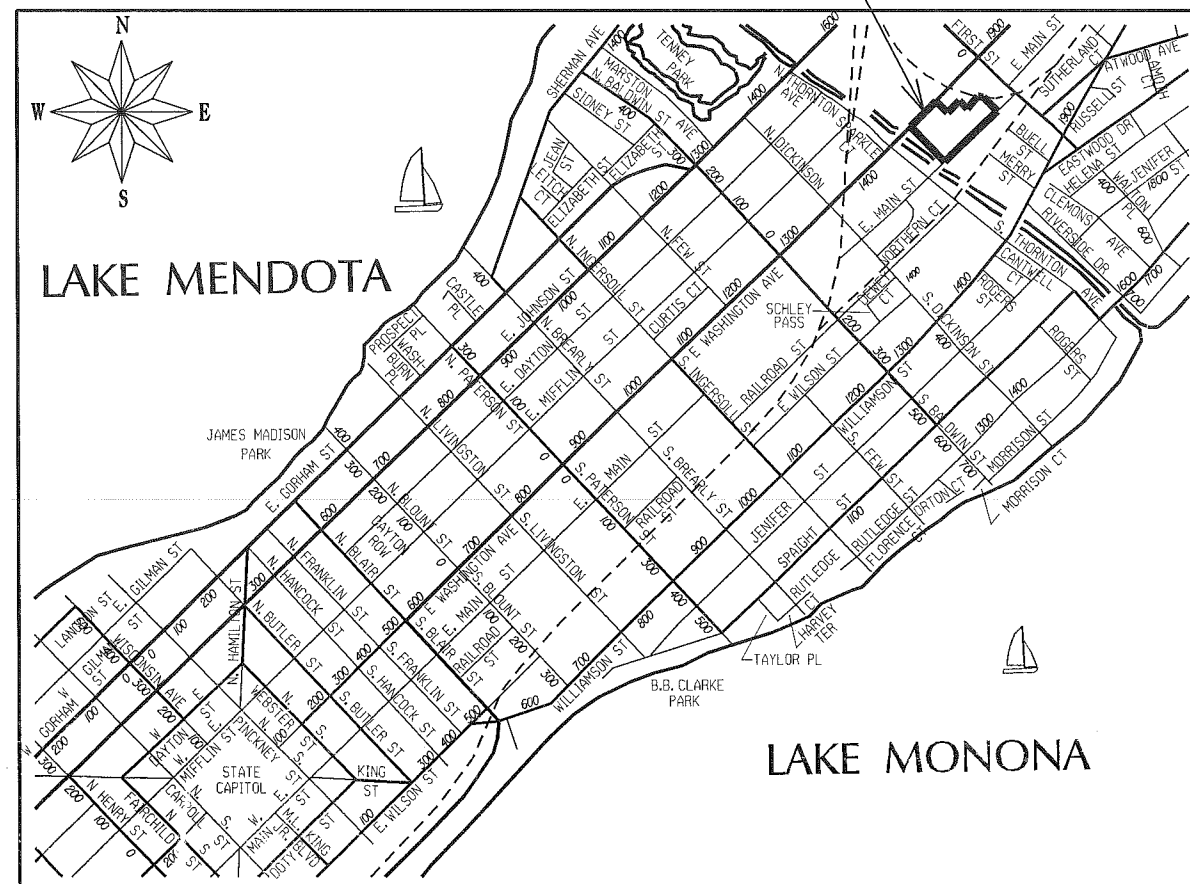
CONTRACT NO. 7671

SANITARY SEWER
DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
MARK D. MODER
E-31979
MADISON WI
NOTE: SEE PREVIOUS SHEETS 5/31/17
12/13/17

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

PROJECT LOCATION



ELECTRICAL
DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
BRIAN J. SMITH
E-37284
MADISON WI
12-13-17

E. WASHINGTON & E. MAIN STREET
& SIDEWALK DESIGNED BY:

[Signature]
WISCONSIN PROFESSIONAL ENGINEER
JOHN P. SAPP
44054
JANESVILLE, WI
12-13-17

STORM SEWER
DESIGNED BY:

SEE
INDIVIDUAL
SHEETS

YAHARA RIVER PUBLIC EASEMENT
SIDEWALK DESIGNED BY:

SEE
INDIVIDUAL
SHEETS

DETAIL

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

EXISTING STREET TREES SHALL BE PROTECTED. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) 48 HOURS PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION -[HTTP://WWW.CITYOFMADISON.COM/BUSINESS/PWDOCUMENTS/STDSPESCS2013/PART1.PDF](http://www.cityofmadison.com/business/pwdocuments/stdspecs2013/part1.pdf)

CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN
BHOFMANN@CITYOFMADISON.COM OR 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.

CONTRACTOR/DEVELOPER SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO THE START OF WORK. WORK WITHIN THE RIGHT-OF-WAY SHALL NOT BEGIN UNTIL THE TRAFFIC CONTROL PLAN IS APPROVED.

ANY PAVEMENT MARKINGS THAT ARE REMOVED OR DAMAGED SHALL BE REPLACED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY CITY TRAFFIC ENGINEERING.

ALL PAVEMENT IN THE EAST WASHINGTON AVENUE RIGHT-OF-WAY SHALL BE 10" DOWELED CONCRETE PAVEMENT.

ALL PAVEMENT IN THE EAST MAIN STREET RIGHT-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

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 GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL 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. 3.03. 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 4.00:1. 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.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) 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.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS 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.

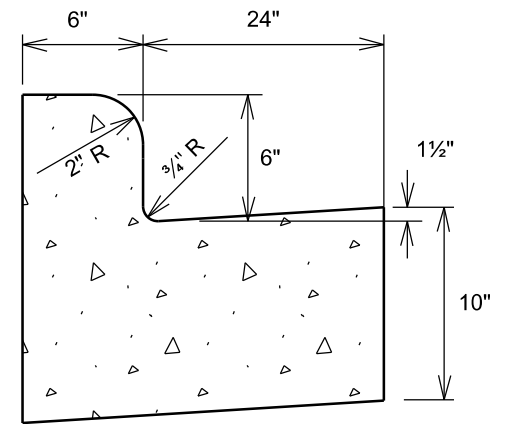
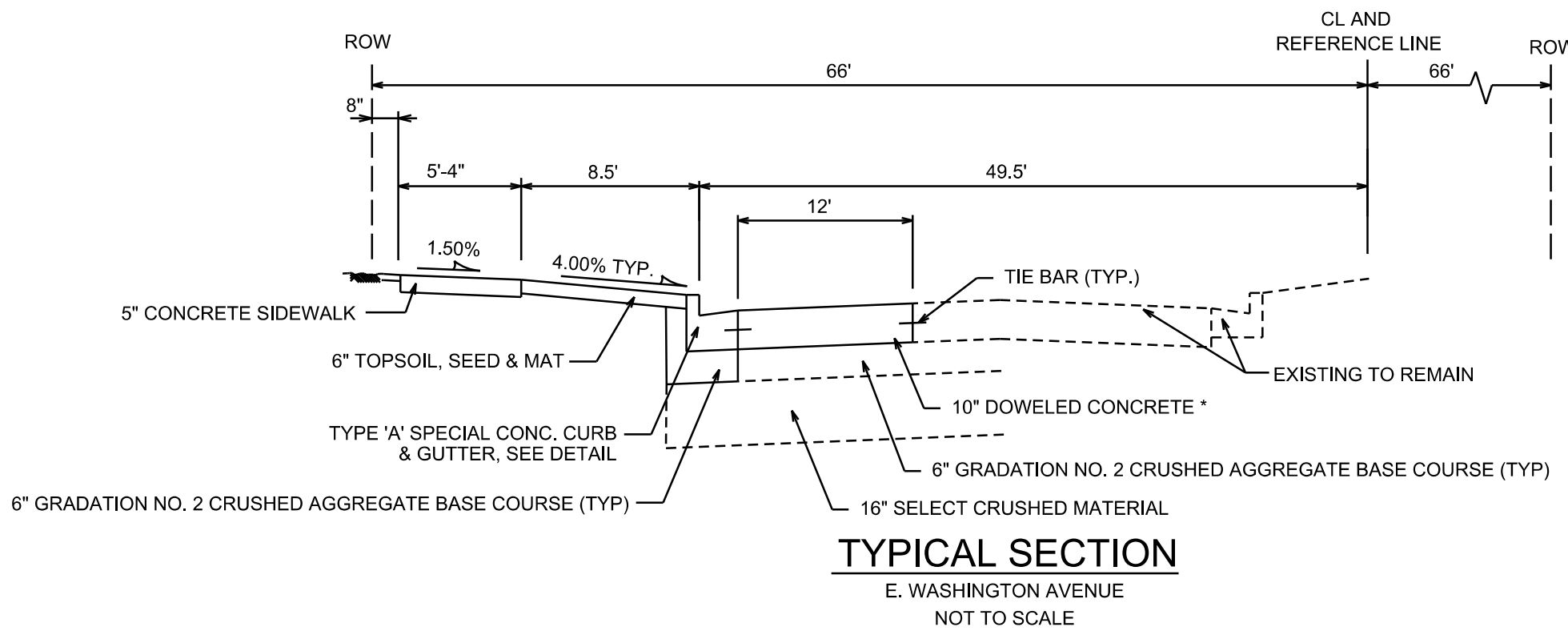
CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

PLOT SCALE: _____

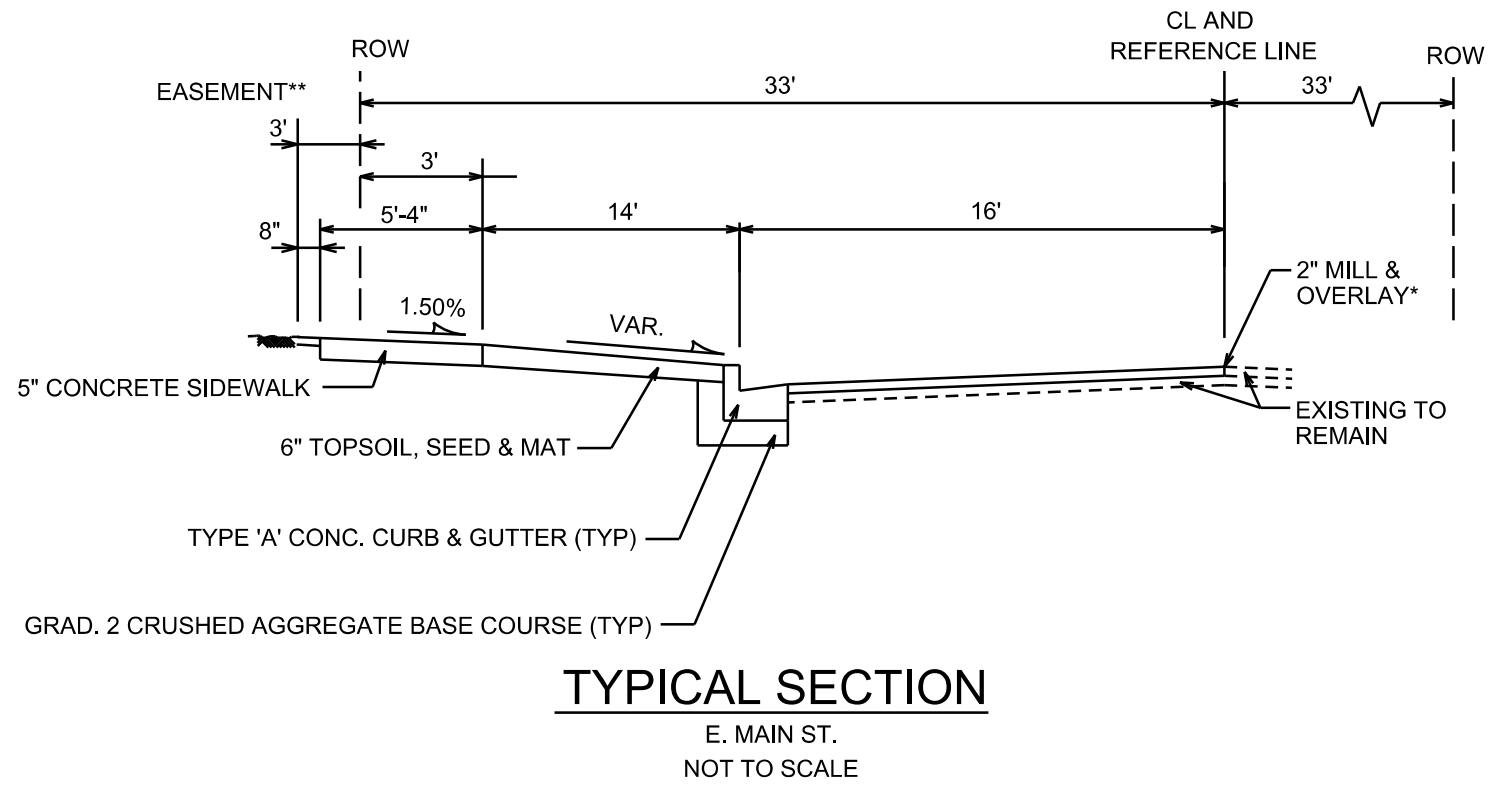
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPE 'A' SPECIAL CURB AND GUTTER



- NOTES:
- * PAVEMENT PATCHING LIMITS ARE APPROXIMATE. PATCH PAVEMENT PER CITY'S PATCHING CRITERIA. PATCHING MAY NOT BE NECESSARY IF PAVEMENT IS UNDAMAGED, AS DECIDED BY THE CONSTRUCTION ENGINEER. FINAL PAVEMENT PATCHING LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.
 - ** PUBLIC ACCESS SIDEWALK EASEMENT. SEE RECORDED DOCUMENT NO. 5316368

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

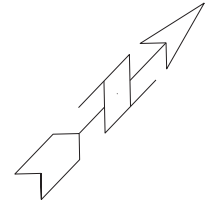
GENERAL ELECTRICAL NOTES:

1. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2017 EDITION AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL CALL MIKE BENZCHAWEL (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES, BURYING CONDUIT AND ADJUSTING ELECTRICAL HANDHOLES TO NEW TERRACE/SIDEWALK GRADES TO ARRANGE FOR INSPECTION.
3. PRIOR TO REMOVAL OF THE EXISTING STREET LIGHT SL128 THE CONTRACTOR IS REQUIRED TO INSTALL A CITY SUPPLIED TEMPORARY WOOD POLE TO SUPPORT A TEMPORARY STREETLIGHT FIXTURE. COORDINATE WITH TRAFFIC ENGINEERING, MIKE BENZCHAWEL, TO HAVE CITY CREWS MAKE CHANGES TO THE EXISING STREET LIGHT ELECTRICAL CIRCUITS AND POWER THE TEMPORARY STREET LIGHT.
4. ALL EXISTING CONDUITS ARE TO REMAIN UNLESS AND UNTIL AUTHORIZED TO REMOVE BY TRAFFIC ENGINEERING.
8. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC TRAFFIC OPERATION SHOP, 1120 SAYLE STREET. NOTIFY DENNIS ROWE AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL.

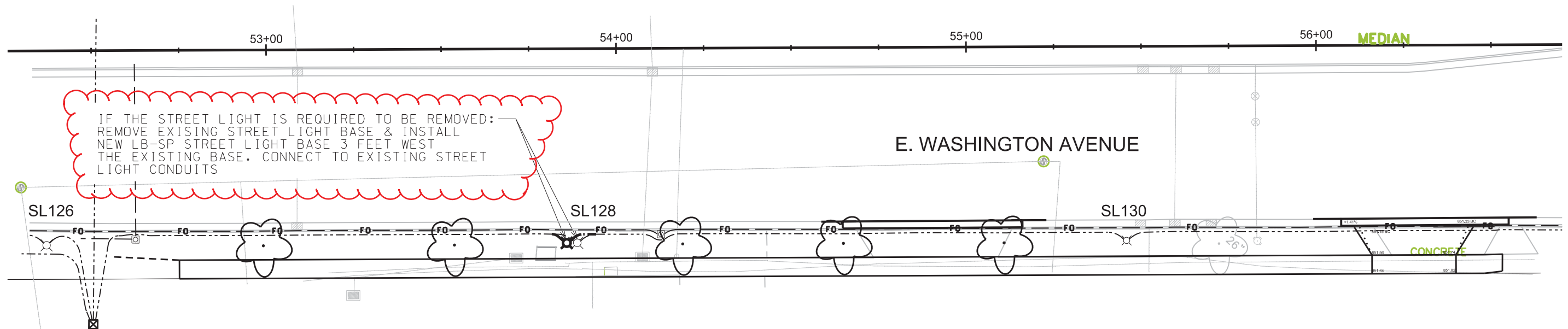
WOOD POLE: 1
1" X 40" ANCHOR BOLTS: 4

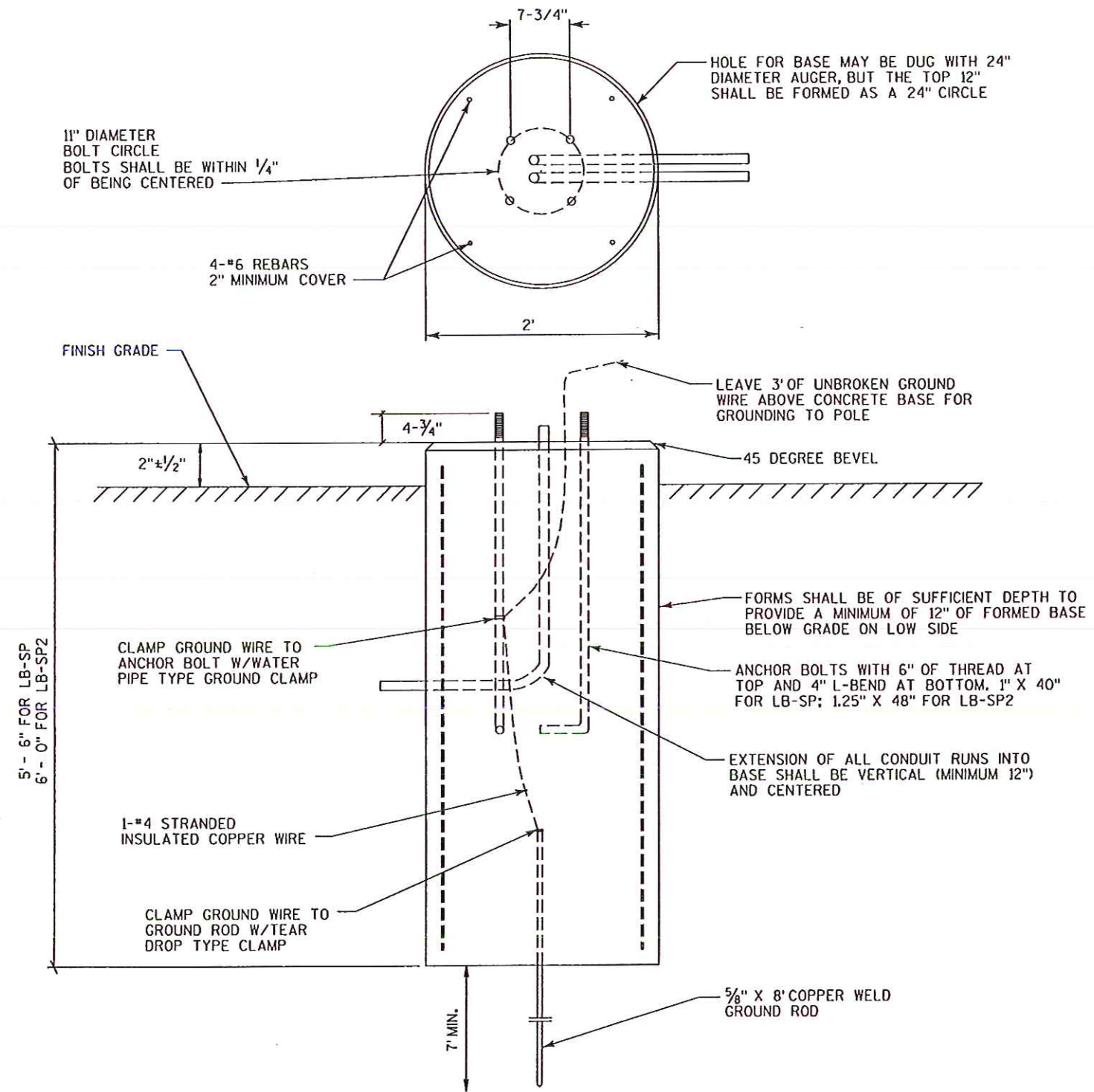
LEGEND

- PLACE STREET LIGHTING PVC CONDUIT, 2" UNLESS NOTED AS OTHER
- EXISTING STREET LIGHTING CONDUIT
- EXISTING SIGNAL/COMMUNICATION CONDUIT
- FO- EXISTING FIBER OPTIC COMMUNICATION CONDUIT
- ⊗ CONSTRUCT LB-SP
- ⊗ EXISTING STREET LIGHT POLE/BASE
- ⊗ EXISTING TYPE-1 ELECTRICAL HANDHOLE
- ⊗ EXISTING STREET LIGHT CONTROLLER CABINET



SCALE: 1" = 30'

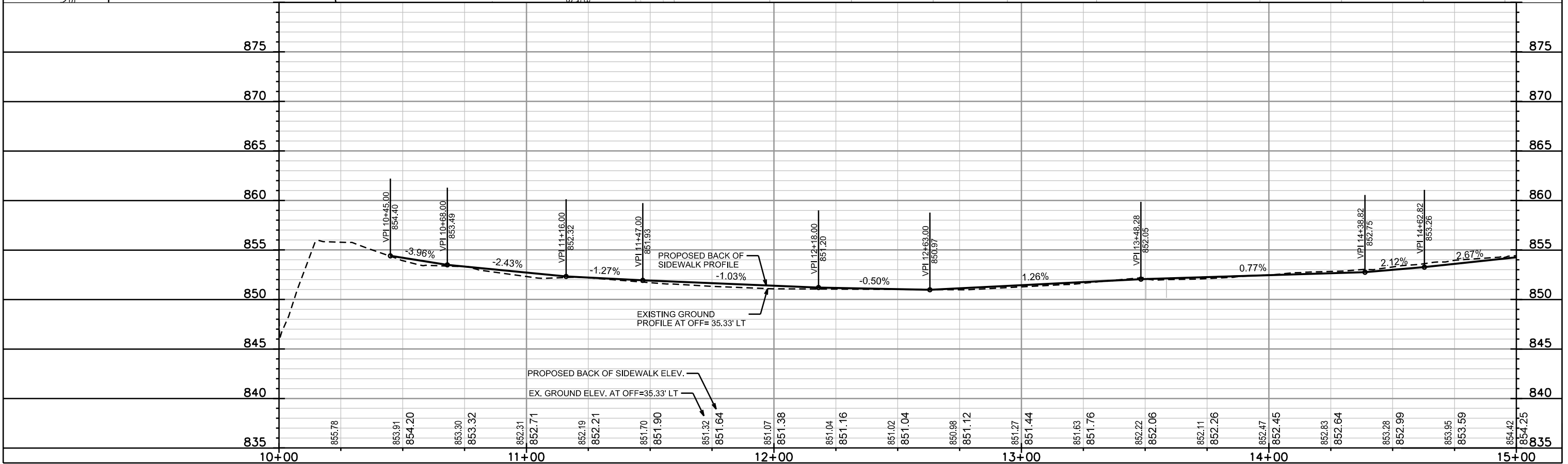
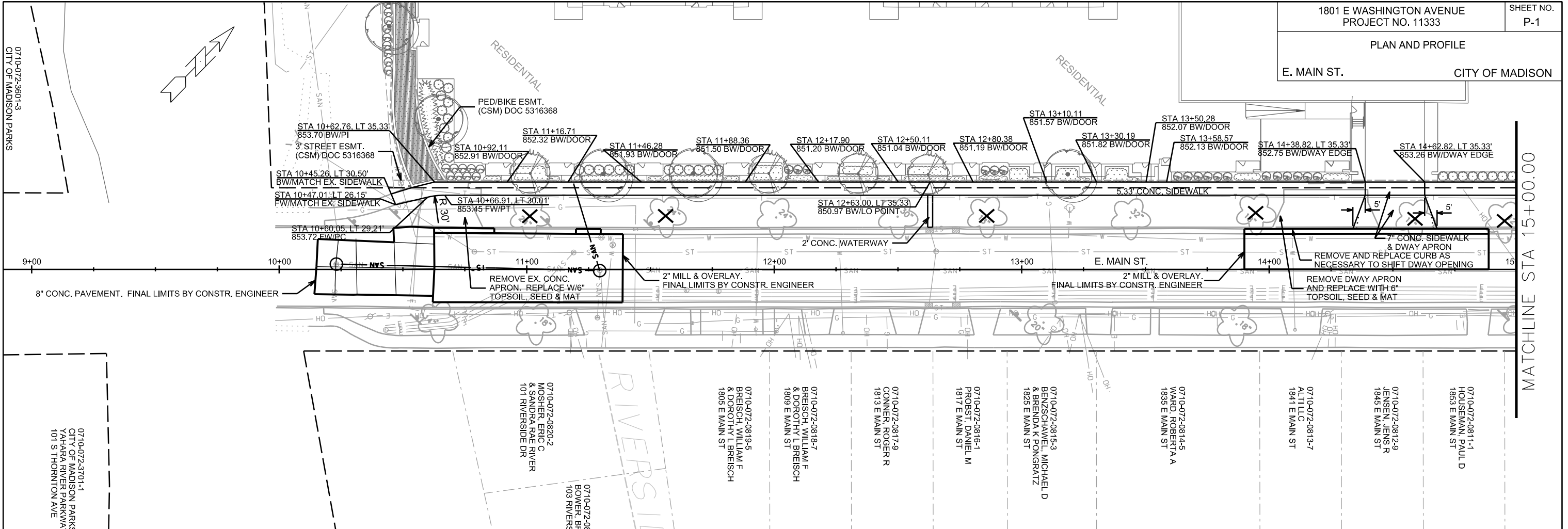




CONCRETE BASE TYPE LB-SP & LB-SP2
(STREET LIGHT BASE)

PLAN AND PROFILE

E. MAIN ST. CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0710-072-3601-3
CITY OF MADISON PARKS

0710-072-3701-1
CITY OF MADISON PARKS
YAHARA RIVER PARKWAY
101 S THORNTON AVE

0710-072-0820-2
MOSHER, ERIC G
& SANDRA RAE RIVER
101 RIVERSIDE DR

0710-072-08
BOWER, BR
103 RIVERS

0710-072-0819-5
BREISCH, WILLIAM F
& DOROTHY L BREISCH
1805 E MAIN ST

0710-072-0818-7
BREISCH, WILLIAM F
& DOROTHY L BREISCH
1809 E MAIN ST

0710-072-0817-9
CONNOR, ROGER R
1813 E MAIN ST

0710-072-0816-1
PROBST, DANIEL M
1817 E MAIN ST

0710-072-0815-3
BENZSCHAWEL, MICHAEL D
& BRENDA K PONGRATZ
1825 E MAIN ST

0710-072-0814-5
WARD, ROBERTA A
1835 E MAIN ST

0710-072-0813-7
ALLILL, J
1841 E MAIN ST

0710-072-0812-9
JENSEN, JENS R
1845 E MAIN ST

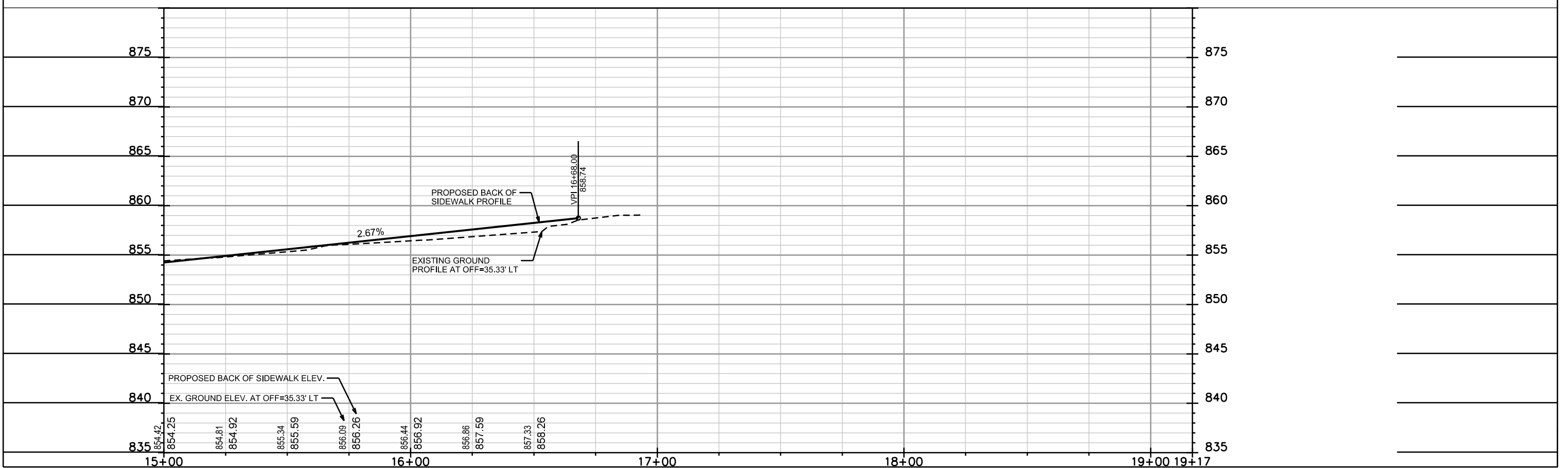
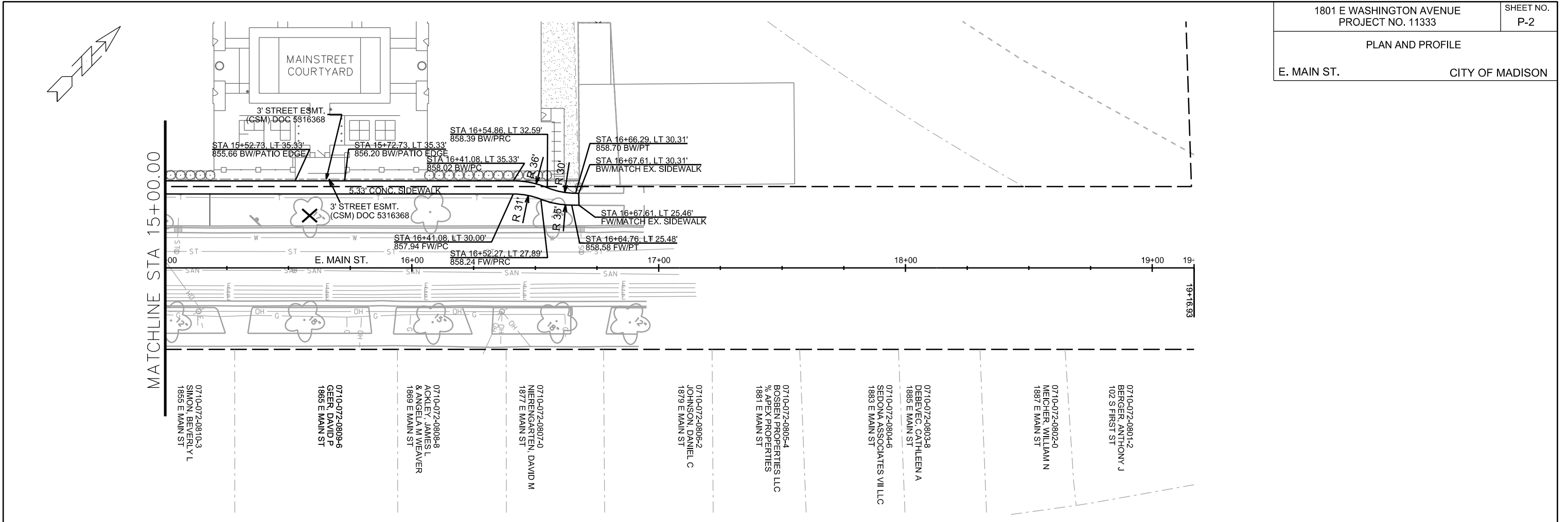
0710-072-0811-1
HOJSEMAN, PAUL D
1853 E MAIN ST

MATCHLINE STA 15+00.00

PLAN AND PROFILE

E. MAIN ST.

CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

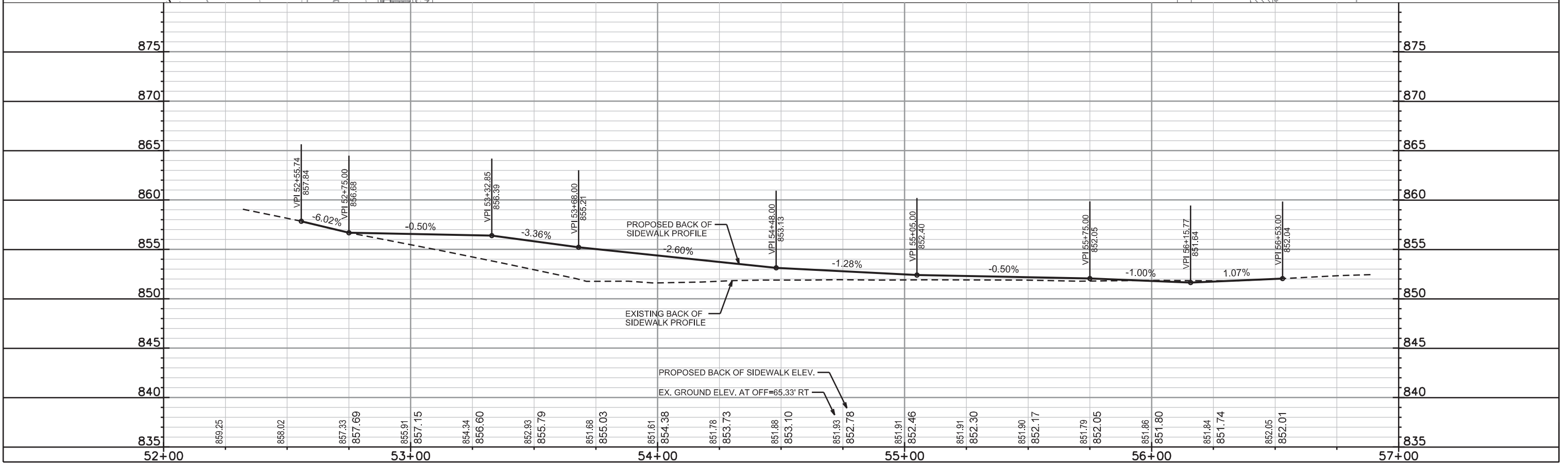
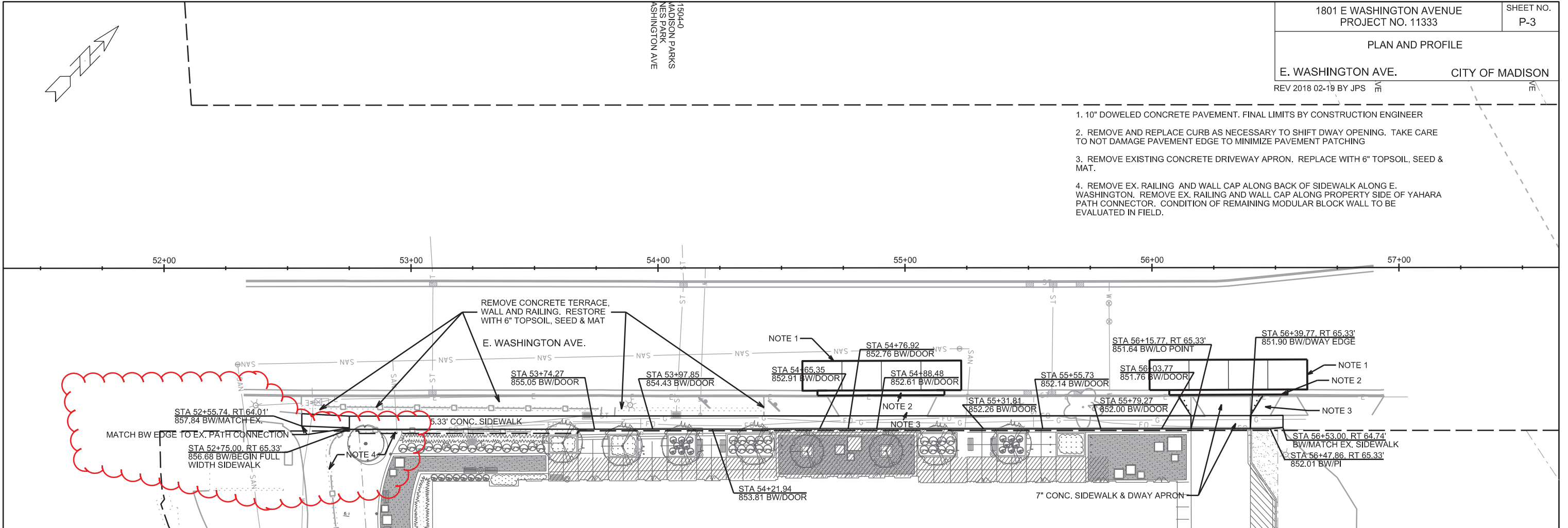
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

E. WASHINGTON AVE. CITY OF MADISON
REV 2018 02-19 BY JPS

1504-D
MADISON PARKS
NES PARK
WASHINGTON AVE

1. 10" DOWELED CONCRETE PAVEMENT. FINAL LIMITS BY CONSTRUCTION ENGINEER
2. REMOVE AND REPLACE CURB AS NECESSARY TO SHIFT DWAY OPENING. TAKE CARE TO NOT DAMAGE PAVEMENT EDGE TO MINIMIZE PAVEMENT PATCHING
3. REMOVE EXISTING CONCRETE DRIVEWAY APRON. REPLACE WITH 6" TOPSOIL, SEED & MAT.
4. REMOVE EX. RAILING AND WALL CAP ALONG BACK OF SIDEWALK ALONG E. WASHINGTON. REMOVE EX. RAILING AND WALL CAP ALONG PROPERTY SIDE OF YAHARA PATH CONNECTOR. CONDITION OF REMAINING MODULAR BLOCK WALL TO BE EVALUATED IN FIELD.



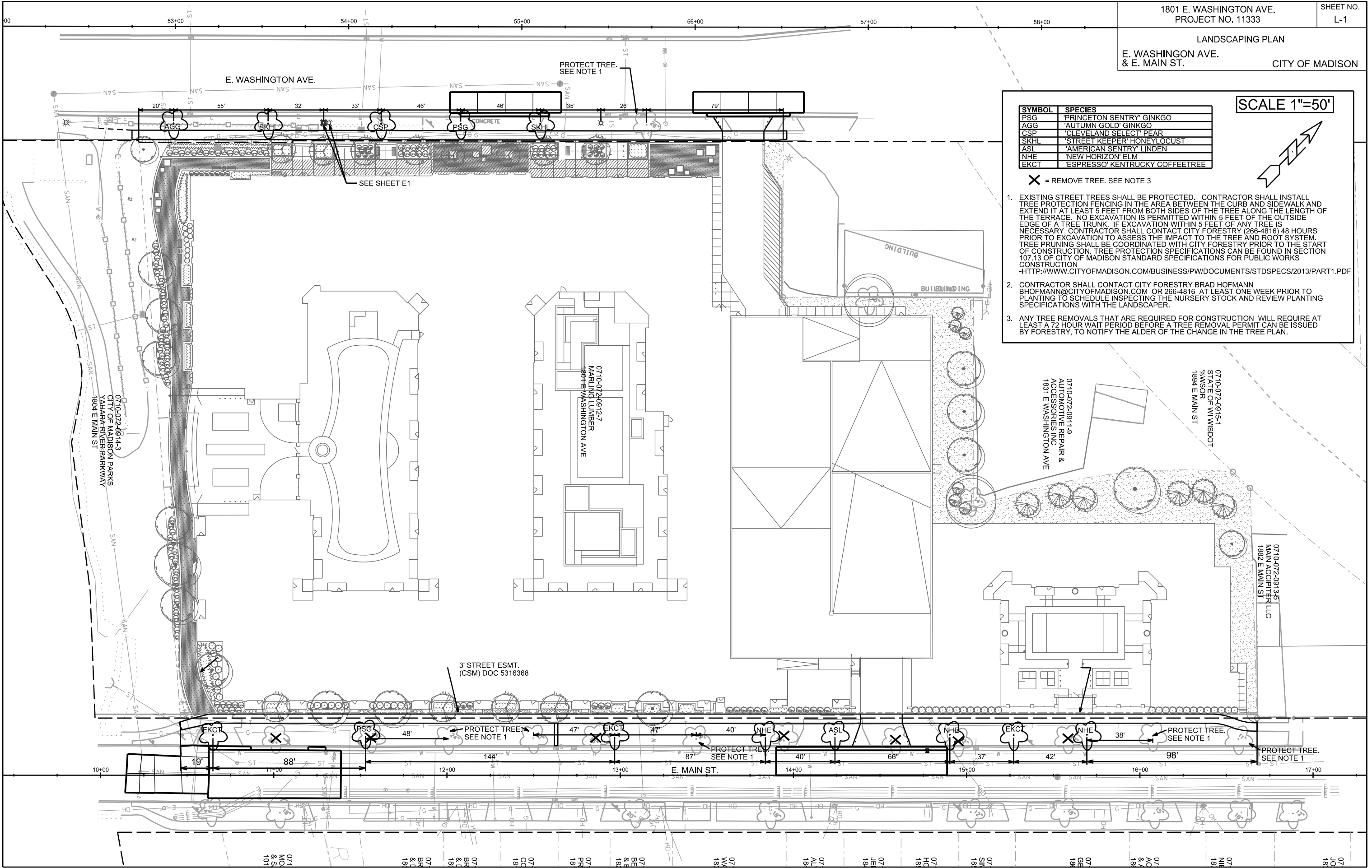
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

LANDSCAPING PLAN
E. WASHINGTON AVE.
& E. MAIN ST. CITY OF MADISON

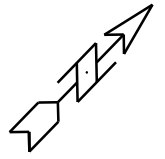


SCALE 1"=50'

SYMBOL	SPECIES
PSG	'PRINCETON SENTRY' GINKGO
AGG	'AUTUMN GOLD' GINKGO
CSP	'CLEVELAND SELECT' PEAR
SKHL	'STREET KEEPER' HONEYLOCUST
ASL	'AMERICAN SENTRY' LINDEN
NHE	'NEW HORIZON' ELM
EKCT	'ESPRESSO' KENTUCKY COFFEETREE

✕ = REMOVE TREE. SEE NOTE 3

- EXISTING STREET TREES SHALL BE PROTECTED. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) 48 HOURS PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
-HTTP://WWW.CITYOFMADISON.COM/BUSINESS/PW/DOCUMENTS/STDSPECS/2013/PART1.PDF
- CONTRACTOR SHALL CONTACT CITY FORESTRY BRAD HOFMANN BHOFFMANN@CITYOFMADISON.COM OR 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.
- ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.



PLOT SCALE: _____

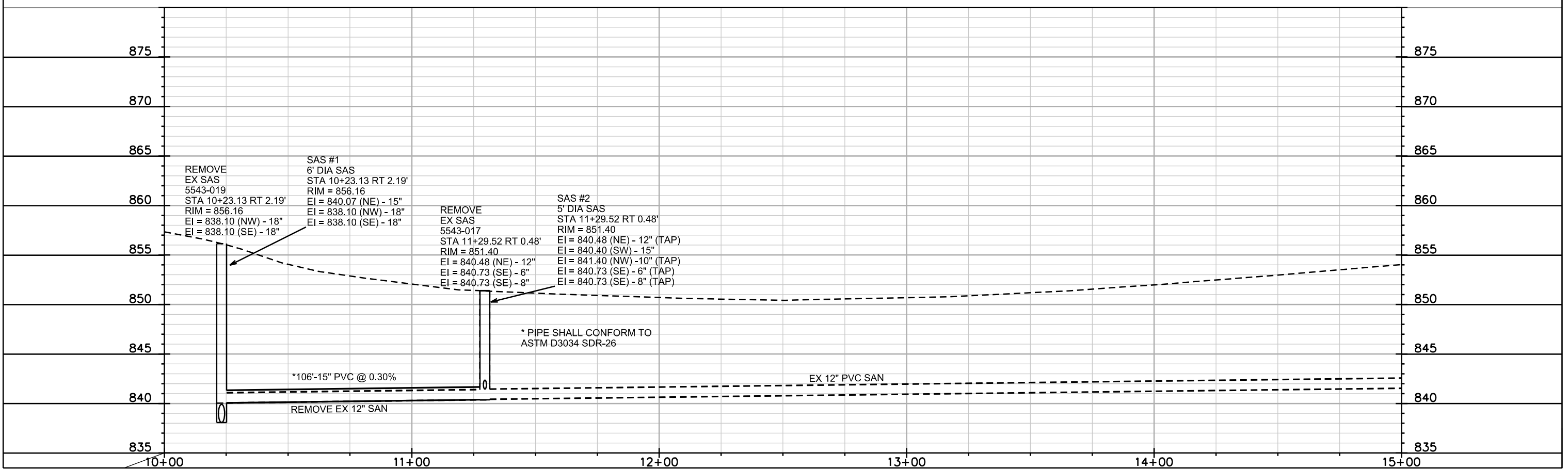
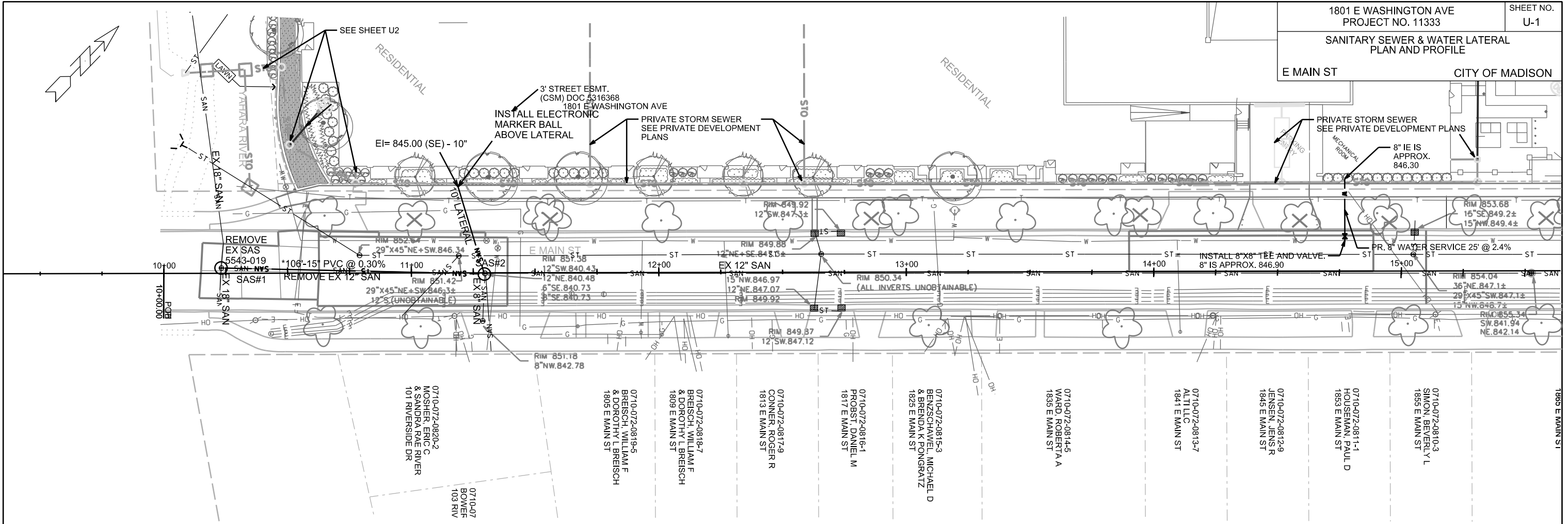
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER & WATER LATERAL
PLAN AND PROFILE

E MAIN ST CITY OF MADISON

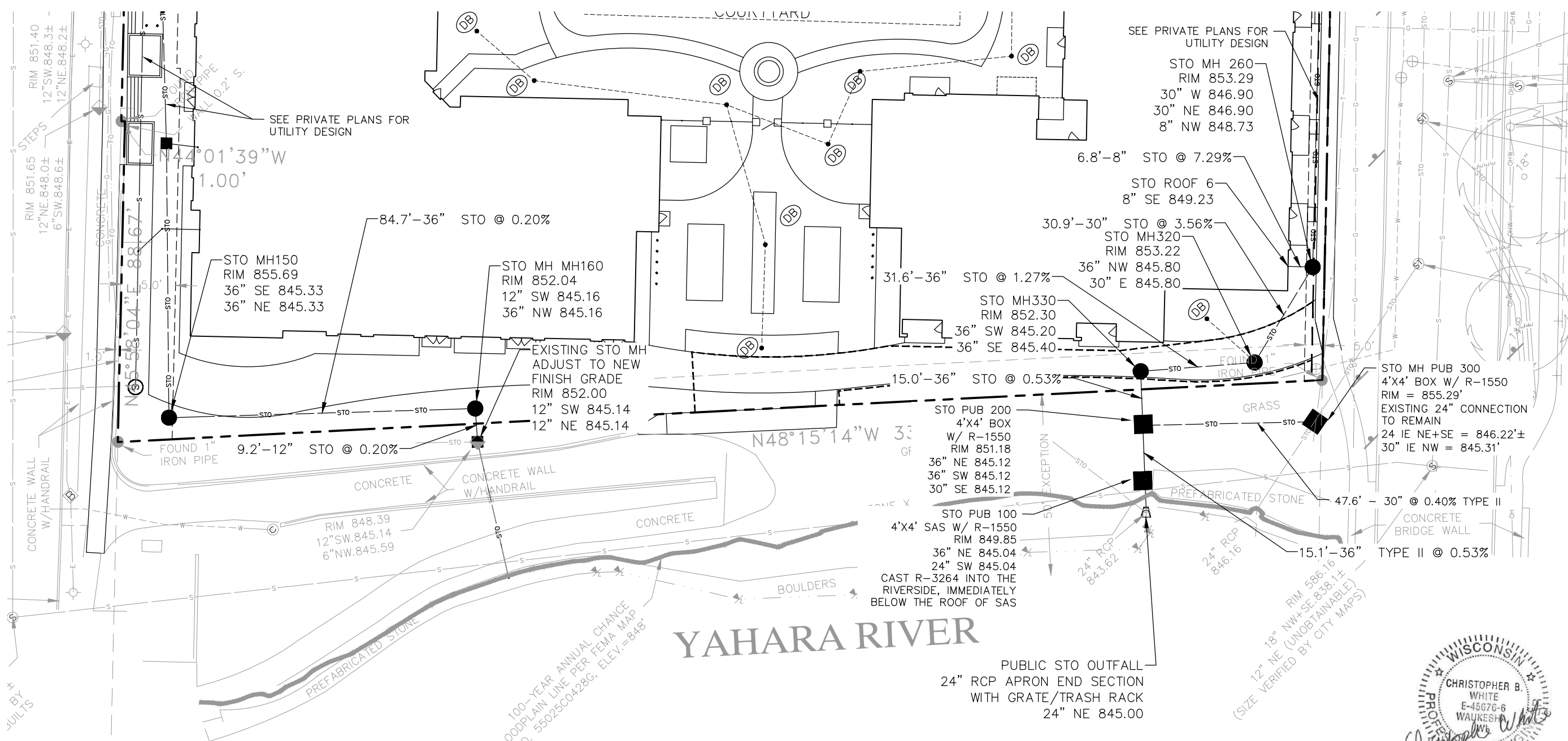


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



UTILITY NOTES

BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE SIZE, LOCATION AND ELEVATION OF ALL UTILITIES.

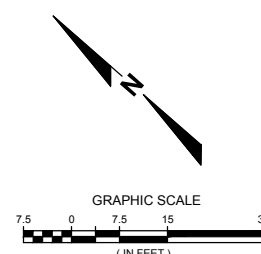
ALL EXISTING UNUSED SANITARY AND WATER SERVICE LATERALS SERVING THE SITE SHALL BE ABANDONED.

STORM SEWER NOTES:

- CONTRACTOR TO MAINTAIN MINIMUM 18" CLEARANCE WHEN WATER MAIN CROSSES ABOVE OR BELOW STORM SEWER.
- CONTRACTOR TO MAINTAIN MINIMUM 18" CLEARANCE WHEN WATER SERVICE CROSSES ABOVE OR BELOW STORM SEWER.
- BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES. IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING REQUIRED CASTING IS COMPATIBLE WITH SPECIFIED STRUCTURE. IF NOT COMPATIBLE, CONTACT ENGINEER IMMEDIATELY.
- RIM ELEVATIONS FOR CURB INLETS IS TO THE TOP OF THE CAST IRON INLET COVER.
- ALL STORM SEWER AREA DRAINS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL DESIGN-BUILD STORM BUILDING LATERALS AND ASSOCIATED AREA DRAINS. CONTRACTOR SHALL MATCH DESIGN-BUILD STORM SEWER PIPE TYPE, SIZE AND SLOPE AS SHOWN ON THIS PLAN.

LEGEND

⊙	EXISTING SANITARY MANHOLE
⊙	EXISTING POWER POLES
⊙	EXISTING WATER VALVE
⊙	EXISTING FIRE HYDRANT
— S —	EXISTING SANITARY SEWER
— W —	EXISTING WATER MAIN
— G —	EXISTING GAS LINE
— T —	EXISTING TELEPHONE LINE
— E —	EXISTING UNDERGROUND ELECTRIC
— OHW —	EXISTING OVERHEAD ELECTRIC
— STO —	EXISTING STORM SEWER
— STO —	PROPOSED STORM SEWER
■	PROPOSED STORM SEWER MANHOLE WITH GRATE
●	PROPOSED STORM SEWER MANHOLE



RIM ELEVATIONS ARE GIVEN TO THE FACE OF CURB FOR INLET GRATES OR THE CENTER OF THE MANHOLE STRUCTURE FOR MANHOLES. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURE OR THE END OF PIPE WHERE THERE IS AN ENDWALL.

TRACER WIRE SHALL BE INSTALLED ON ALL NON-METALLIC SANITARY, STORM AND WATER MAINS, AND LATERALS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION, LATEST EDITION, AND ANY ADDITIONAL LOCAL REQUIREMENTS AS APPLICABLE.

R.A.SMITH NATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A.SMITH NATIONAL.

DATE	DESCRIPTION
07/19/17	STORM SEWER REVISION
12/04/17	MODIFICATIONS TO SIDEWALK

R.A. Smith National
Beyond Surveying and Engineering
www.rasmithnational.com

1801 EAST WASHINGTON
CITY OF MADISON, WI
STORM SEWER ALONG YAHARA RIVER
CITY OF MADISON PROJECT # 11333

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DATE: 05/30/2017
SCALE: 1" = 30'
JOB NO. 3150290
PROJECT MANAGER: DAVID J. CLEARY, P.E.
DESIGNED BY: CBW
CHECKED BY: MAB
SHEET NUMBER U2