

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

2107 - 2249 SHERMAN AVENUE
(MCKENZIE PLACE)

CITY PROJECT NO. 11251
CONTRACT NO. 7573

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P2	PLAN & PROFILE & GRADING PLAN-FORDEM AVE SIDEWALK
P3	GRADING PLAN - SHERMAN AVENUE SIDEWALK
LI	LANDSCAPING PLAN

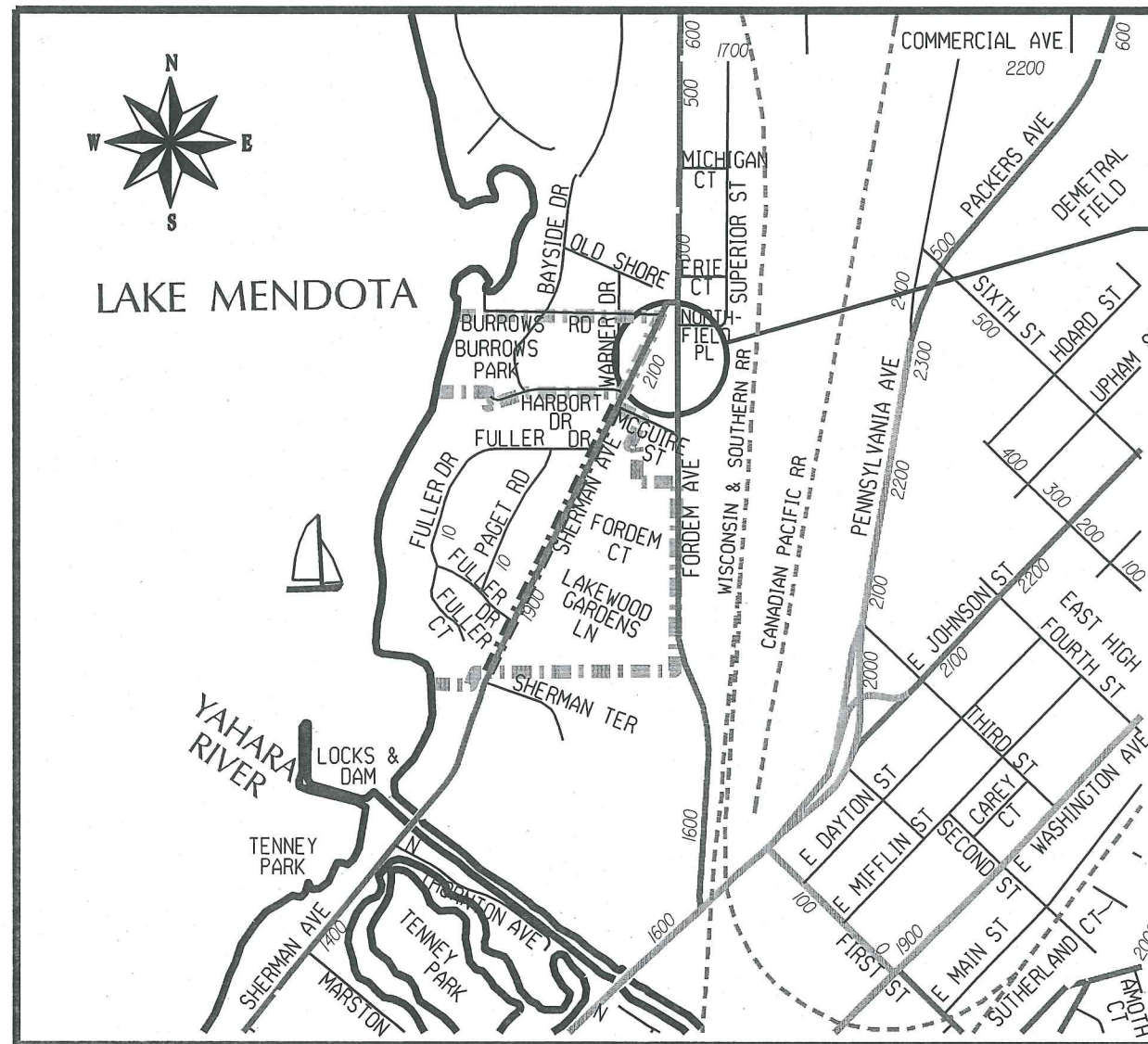
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
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POWER POLE	⊥
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▣
COMBUSTIBLE FLUIDS	☼

NOTES:

ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.



PROJECT LOCATION

PUBLIC IMPROVEMENT PROJECT APPROVED

OCTOBER 20, 2015

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 4/19/16
City Engineer Date

RIGHT-OF-WAY IMPROVEMENT PLANS
DESIGNED BY:



DETAILS

STANDARD NOTES
AND COMMENTS

CITY OF MADISON

ALL ASPHALT PAVEMENT ON SHERMAN AVENUE AND FORDEM AVENUE SHALL BE TYPE "C" ASPHALT PAVEMENT PER S.D.D. 4.06

ALL ISLANDS SHALL HAVE TYPE "H" CURB & GUTTER PER S.D.D. 3.08 UNLESS NOTED OTHERWISE IN THE PLAN. ALL ISLANDS SHALL HAVE MOUNTABLE NOSES PER S.D.D. 3.13. ALL OTHER CURB & GUTTER SHALL BE TYPE "A" PER S.D.D. 3.06.

ISLAND INTERIORS SHALL BE OF SOD WHERE THE BACK TO BACK OF CURB DIMENSION IS GREATER THAN 6'.

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

PAVEMENT CROSS SLOPES SHALL BE 2%, TERRACES SHALL SLOPE AT A 4% GRADE TOWARD THE GUTTER, SHOULDERS SHALL HAVE A 4% CROSS SLOPE AND CROSS SLOPES FORMING DITCHES SHALL NOT EXCEED 4.00:1 UNLESS OTHERWISE INDICATED.

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. CONCRETE TERRACE SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT SIDEWALK LOW POINTS WHICH CANNOT OTHERWISE BE DRAINED DIRECTLY TO THE GUTTER. 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.

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.

STREET TREES SHALL BE REPLACED AS SHOWN IN THE PLAN OR AS DIRECTED BY THE CITY FORESTER. COORDINATE STREET TREE PLANTING, LOCATIONS, QUANTITY, SPECIES AND SIZE WITH DEAN KAHL OF CITY FORESTRY, 266-4891.

THE DEVELOPER SHALL REPLACE ALL CURB & GUTTER AND SIDEWALK THAT IS DAMAGED OR DETERMINED TO BE IN UNSATISFACTORY CONDITION.

THESE PLANS ARE FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY ONLY. INFORMATION SHOWN ON PRIVATE LANDS IS FOR REFERENCE ONLY.

ALL PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH CITY PAVEMENT PATCHING CRITERIA AND SHALL BE ACCOMPLISHED AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. ALL SAWCUTS FOR PAVEMENT PATCHES SHALL BE LOCATED AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER.

ALL DISTURBED TERRACE AREAS SHALL BE RESTORED WITH 4-INCHES OF TOP SOIL AND SEED UNLESS DIRECTED OTHERWISE ON THE PLAN OR BY THE CITY CONSTRUCTION ENGINEER.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO THE CITY TRAFFIC ENGINEERING DIVISION AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING WITHIN THE SHERMAN AVENUE OR FORDEM AVENUE RIGHT OF WAY. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH ALL MUTCD REQUIREMENTS. WORK SHALL NOT PROCEED ON SHERMAN AVE OR FORDEM AVENUE UNTIL THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED. THE TRAFFIC CONTROL PLAN MAY INCLUDE BUT IS NOT LIMITED TO: LANE CLOSURE RESTRICTIONS, PEAK HOUR WORKING RESTRICTIONS, ACCESS REQUIREMENTS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING WORK AS NECESSARY TO MEET THE REQUIREMENTS OF THE APPROVED TRAFFIC CONTROL PLAN. SUBMIT TRAFFIC CONTROL PLAN FOR REVIEW TO JEREMY NASH (608 266-6585), CITY TRAFFIC ENGINEERING, jnash@cityofmadison.com.

Pavement Patching Criteria

Criteria use on:

Streets with pavement rating > 6
Arterial Streets

1. Length of Patch

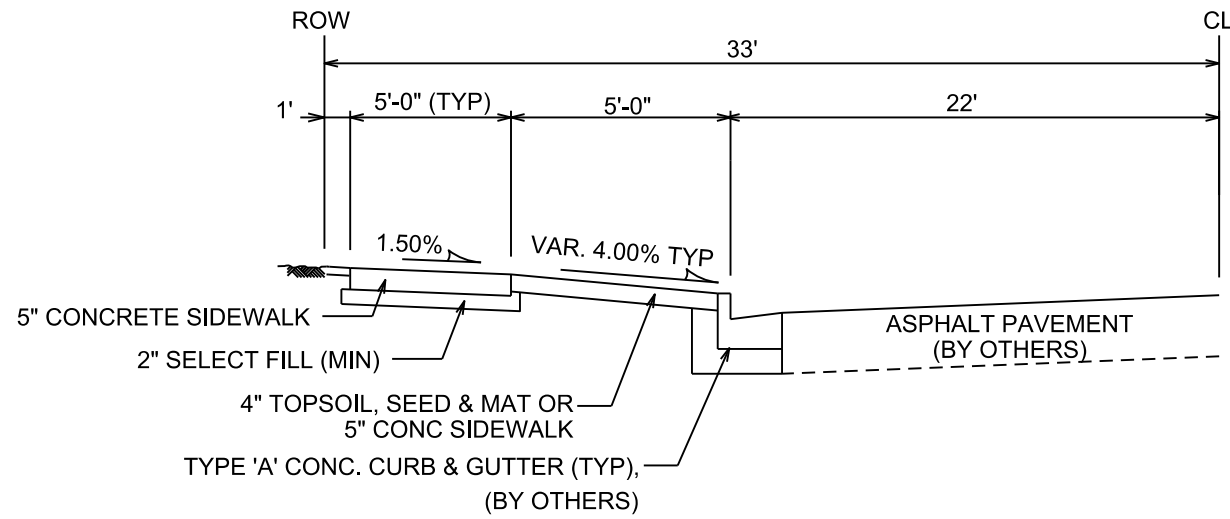
- a. Minimum 50 feet long
- b. Minimum of 15 feet beyond the excavation
- c. Where multiple patches are created and the separation between them is less than 100 feet, the patches shall be combined into a single patch.
- d. The patches shall be adjusted in the field to meet special conditions such as previous paving or patching limits.

2. Width of Patch (all dimensions are curb face to curb face)

- a. All Streets Except Divided or one way roadways
 - i. Street Width 0 to 24 feet wide - Patch entire street width
 - ii. Street Width 25 to 37 feet wide - Patch one half the street width (curb to centerline of roadway). Note - Utility Engineer may adjust paving limit to correspond with a painted centerline in situations where the painted centerline is not in the center of the street.
 - iii. Street Width 38 feet and up - Patch width of entire lane for each lane which was disturbed by the excavation.
 - 1. If the lane is adjacent to a bike lane, include the bike lane. (except when there is a parking lane between the bike lane and the curb)
 - 2. If the lane is a bike lane and adjacent to a parking lane, include the parking lane.
 - 3. If the lane is a bike lane and not adjacent to a parking lane, include the adjacent travel lane.
- b. Divided Roadways and One Way Streets
 - i. Street 0 to 19 feet wide - Patch entire street width
 - ii. Street Width 20 feet and up - Patch width of entire lane for each lane which was disturbed by the excavation.
 - 1. If the lane is adjacent to a bike lane, include the bike lane. (except when there is a parking lane between the bike lane and the curb)
 - 2. If the lane is a bike lane and adjacent to a parking lane, include the parking lane.
 - 3. If the lane is a bike lane and not adjacent to a parking lane, include the adjacent travel lane.

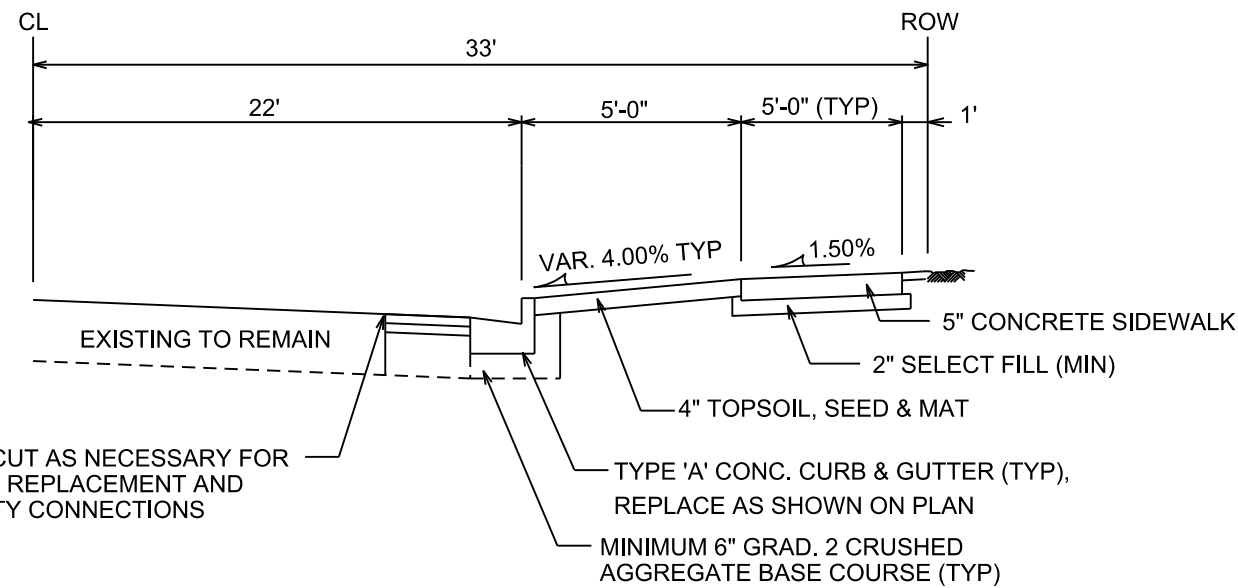
STREET RATINGS

STREET NAME	CLASSIFICATION	PAVEMENT RATING
SHERMAN AVENUE	COLLECTOR	4
FORDEM AVENUE	ARTERIAL	5



TYPICAL SECTION

FORDEM AVENUE
NOT TO SCALE

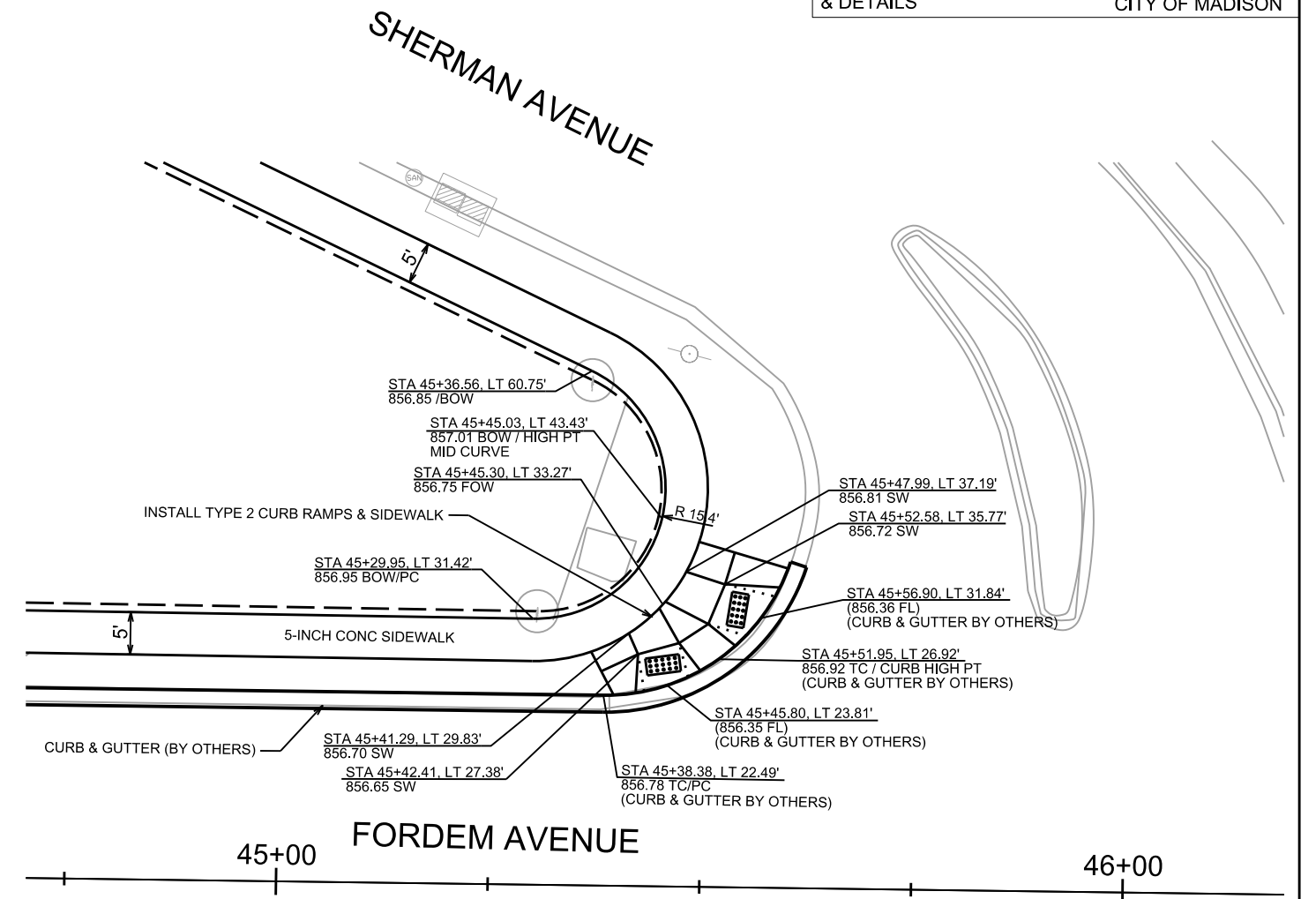


TYPICAL SECTION

SHERMAN AVENUE
NOT TO SCALE

NOTES:

- * PAVEMENT PATCH LIMITS ARE APPROXIMATE. PATCH PAVEMENT PER CITY'S PATCHING CRITERIA. FINAL LIMITS ARE TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.



PEDESTRIAN RAMP DETAIL

SHERMAN AVENUE & FORDEM AVENUE INTERSECTION
1" = 20'

PLOT SCALE:

PLOT NAME:

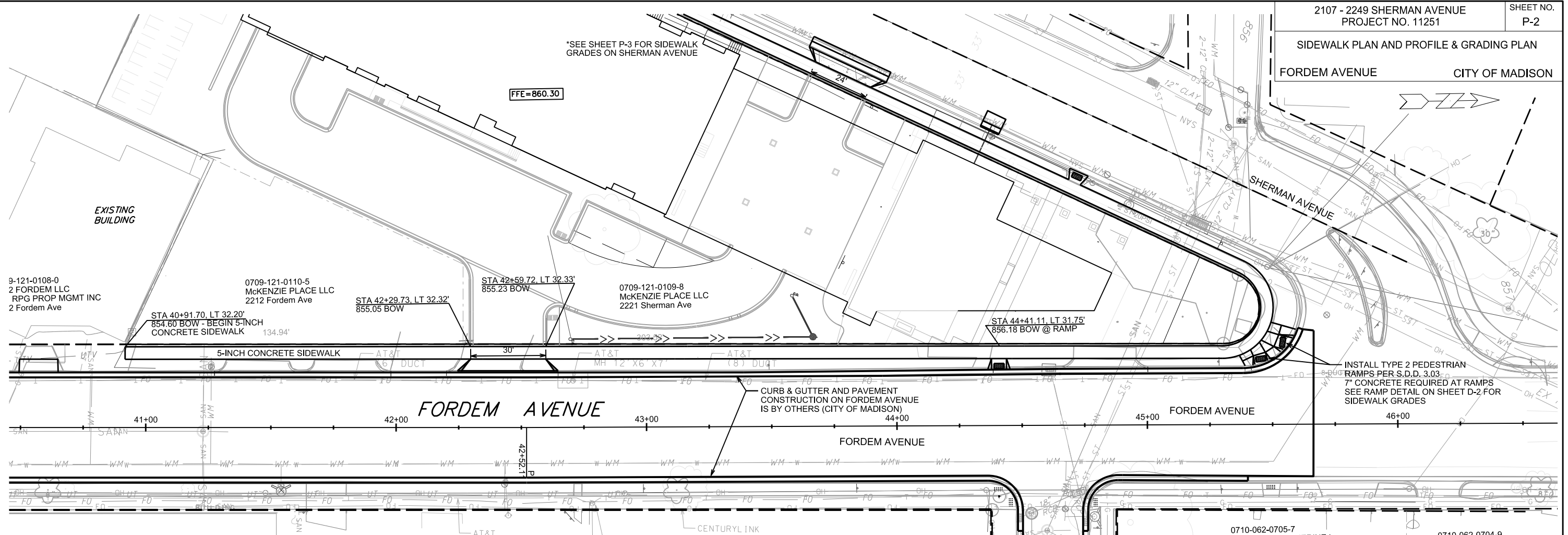
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

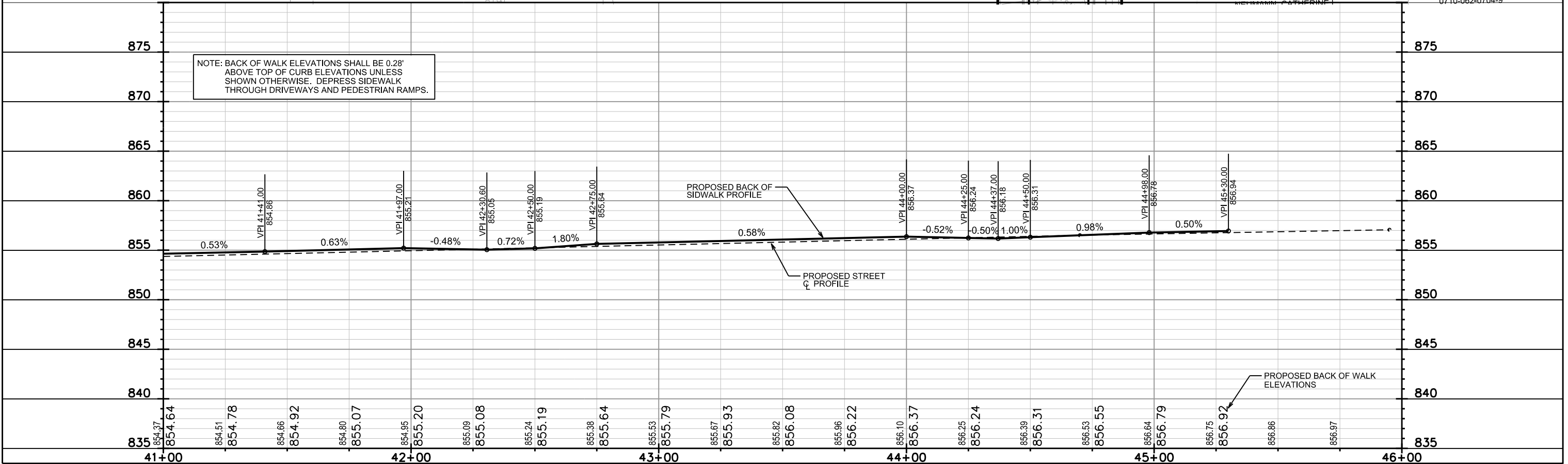
SIDEWALK PLAN AND PROFILE & GRADING PLAN
FORDEM AVENUE CITY OF MADISON

*SEE SHEET P-3 FOR SIDEWALK GRADES ON SHERMAN AVENUE

FFE = 860.30



NOTE: BACK OF WALK ELEVATIONS SHALL BE 0.28' ABOVE TOP OF CURB ELEVATIONS UNLESS SHOWN OTHERWISE. DEPRESS SIDEWALK THROUGH DRIVEWAYS AND PEDESTRIAN RAMPS.



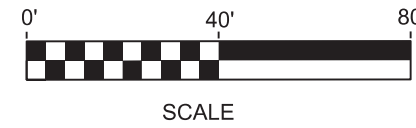
PLOT SCALE: _____

PLOT NAME: _____

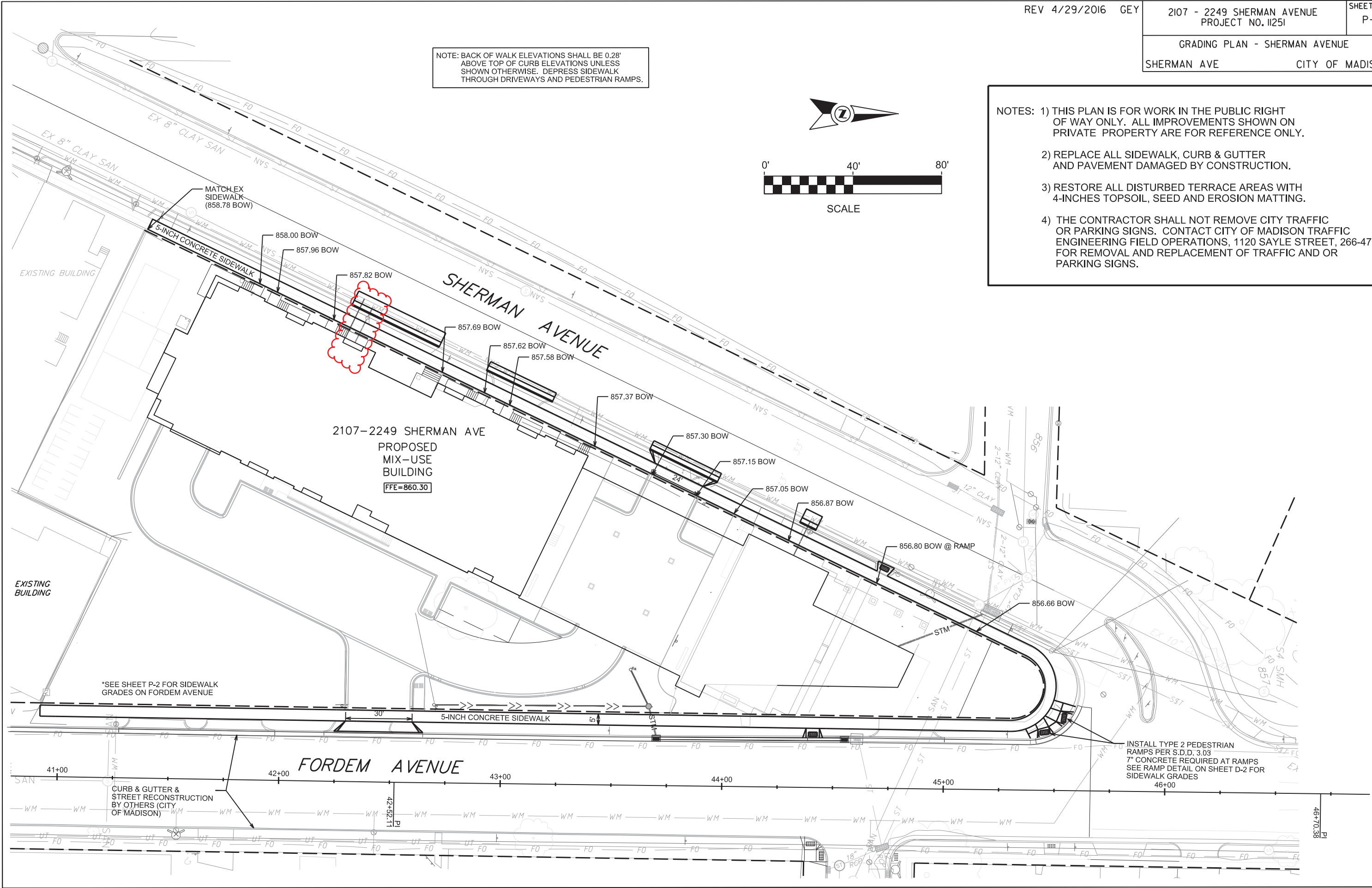
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE: BACK OF WALK ELEVATIONS SHALL BE 0.28'
ABOVE TOP OF CURB ELEVATIONS UNLESS
SHOWN OTHERWISE. DEPRESS SIDEWALK
THROUGH DRIVEWAYS AND PEDESTRIAN RAMP.



- NOTES:
- 1) THIS PLAN IS FOR WORK IN THE PUBLIC RIGHT OF WAY ONLY. ALL IMPROVEMENTS SHOWN ON PRIVATE PROPERTY ARE FOR REFERENCE ONLY.
 - 2) REPLACE ALL SIDEWALK, CURB & GUTTER AND PAVEMENT DAMAGED BY CONSTRUCTION.
 - 3) RESTORE ALL DISTURBED TERRACE AREAS WITH 4-INCHES TOPSOIL, SEED AND EROSION MATTING.
 - 4) THE CONTRACTOR SHALL NOT REMOVE CITY TRAFFIC OR PARKING SIGNS. CONTACT CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS, 1120 SAYLE STREET, 266-4767, FOR REMOVAL AND REPLACEMENT OF TRAFFIC AND OR PARKING SIGNS.



2107-2249 SHERMAN AVE
PROPOSED
MIX-USE
BUILDING
FFE=860.30

*SEE SHEET P-2 FOR SIDEWALK
GRADES ON FORDEM AVENUE

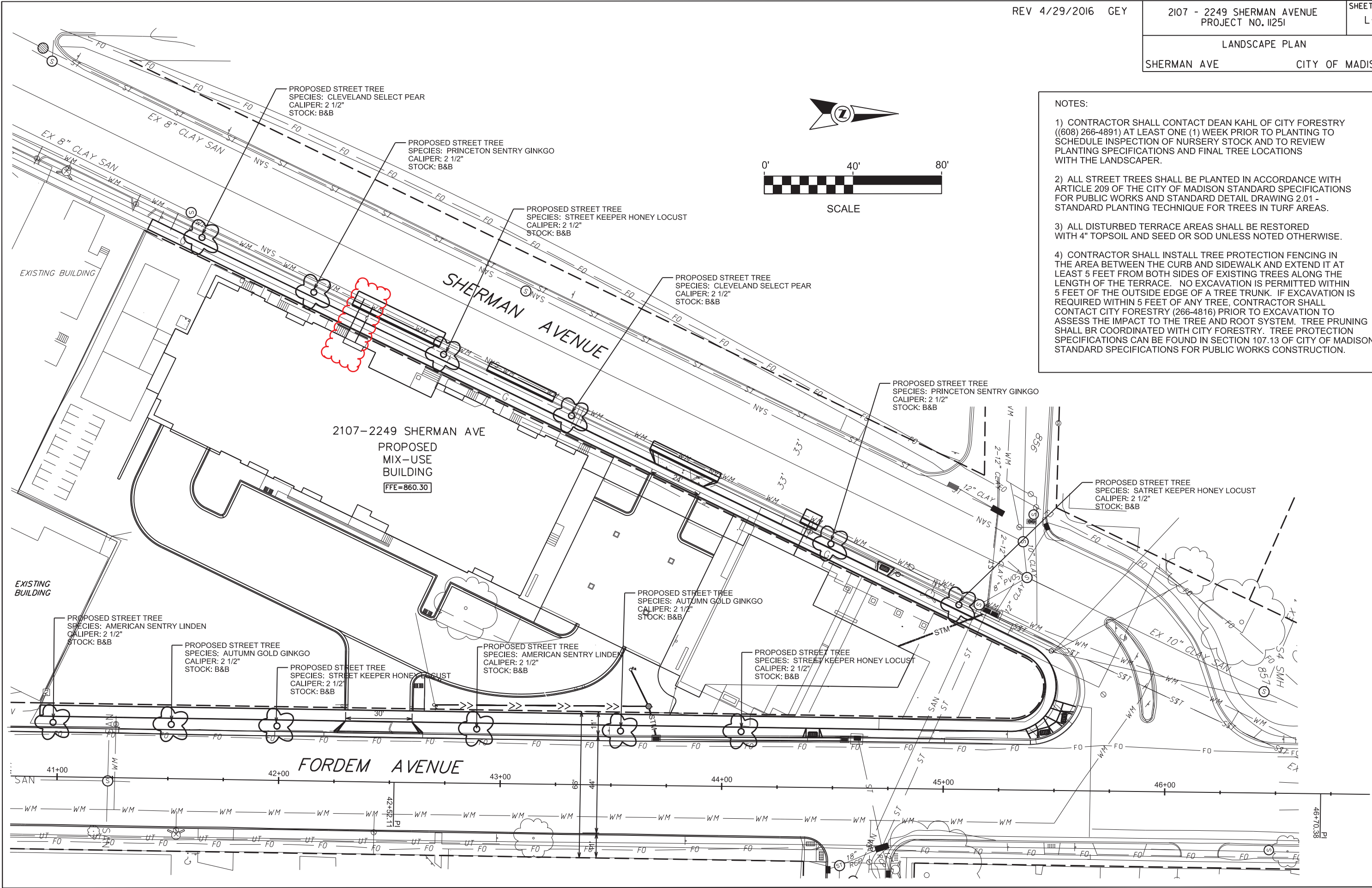
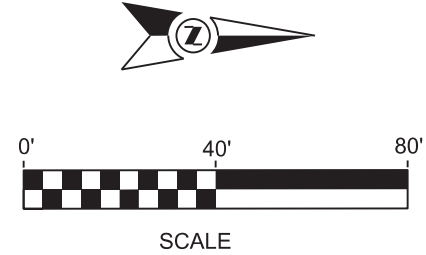
INSTALL TYPE 2 PEDESTRIAN
RAMPS PER S.D.D. 3.03
7" CONCRETE REQUIRED AT RAMPS
SEE RAMP DETAIL ON SHEET D-2 FOR
SIDEWALK GRADES

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

NOTES:

- 1) CONTRACTOR SHALL CONTACT DEAN KAHL OF CITY FORESTRY ((608) 266-4891) AT LEAST ONE (1) WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTION OF NURSERY STOCK AND TO REVIEW PLANTING SPECIFICATIONS AND FINAL TREE LOCATIONS WITH THE LANDSCAPER.
- 2) ALL STREET TREES SHALL BE PLANTED IN ACCORDANCE WITH ARTICLE 209 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS AND STANDARD DETAIL DRAWING 2.01 - STANDARD PLANTING TECHNIQUE FOR TREES IN TURF AREAS.
- 3) ALL DISTURBED TERRACE AREAS SHALL BE RESTORED WITH 4" TOPSOIL AND SEED OR SOD UNLESS NOTED OTHERWISE.
- 4) 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 EXISTING TREES ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION IS REQUIRED WITHIN 5 FEET OF ANY TREE, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



2107-2249 SHERMAN AVE
PROPOSED
MIX-USE
BUILDING
FFE=860.30

FORDERM AVENUE

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION