



Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

## PLAN OF PROPOSED IMPROVEMENT

**INDEX OF SHEETS**

SHEET NO.	TITLE
1	STANDARD NOTES
D1	TYPICAL SECTIONS & DETAILS
D2	SITE LAYOUT PLAN
P1	GRADING PLAN
P2	UTILITY PLAN
U1	LANDSCAPING PLAN
L1	

1423 MONROE STREET

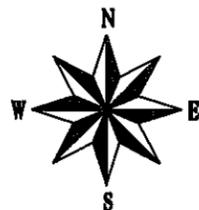
CITY PROJECT NO. 53B2357

CONTRACT NO. 2357

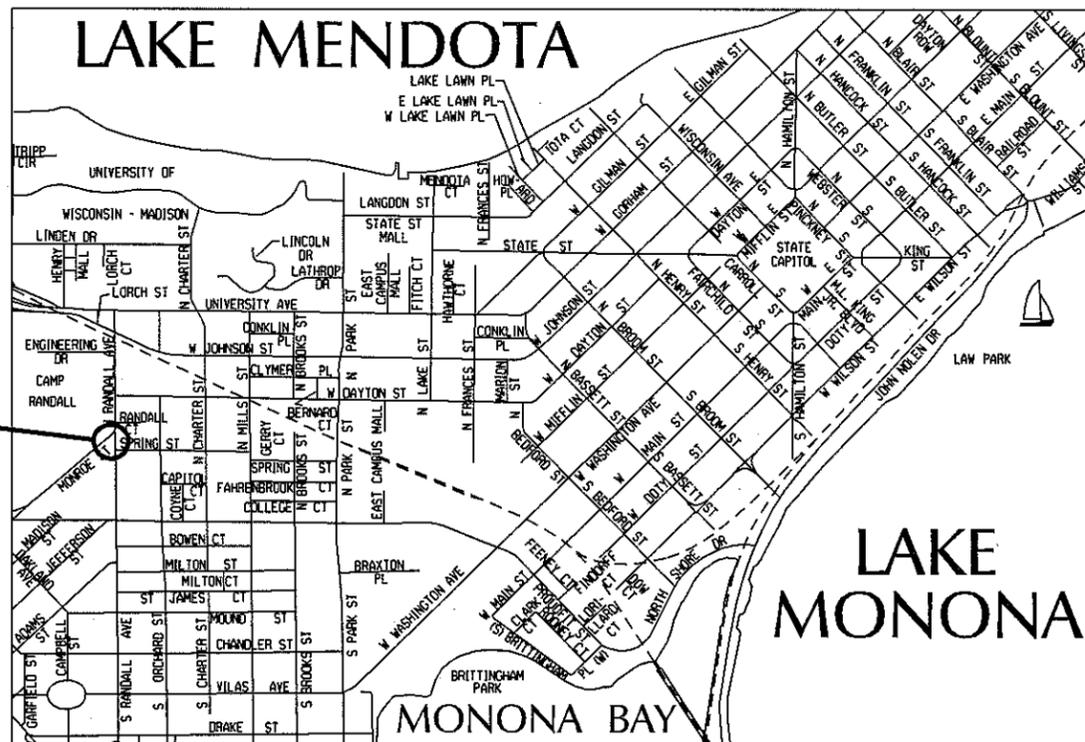
CONVENTIONAL SIGNS

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	☀



PROJECT LOCATION



**NOTES:**

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 2.00%. 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%.

PUBLIC IMPROVEMENT PROJECT APPROVED

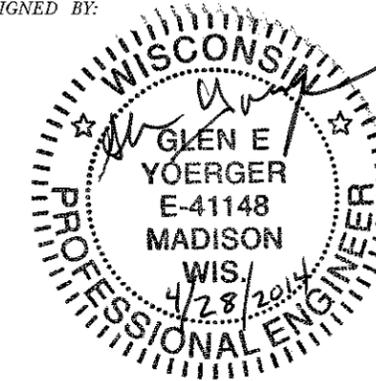
JUNE 18, 2013

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

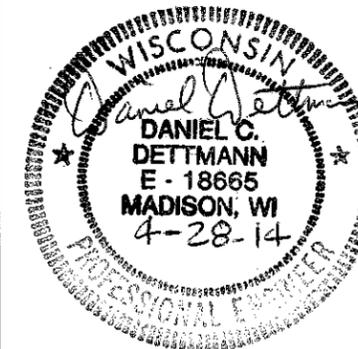
PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

*[Signature]* 4/28/14  
City Engineer Date

RIGHT-OF-WAY IMPROVEMENT PLANS  
DESIGNED BY:



ELECTRICAL PLANS  
DESIGNED BY:



DETAILS

STANDARD NOTES  
AND COMMENTS

CITY OF MADISON

ALL ASPHALT PAVEMENT ON MONROE STREET AND N RANDALL AVE 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 2%. 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. A 2 FOOT WIDE CONCRETE FLUME 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. THE DESIGN OF SIDEWALK ELEVATIONS AND GRADES IS NOT INCLUDED IN THIS PLAN. 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, REFERING 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 MONROE ST OR RANDALL AVE RIGHT OF WAY. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH ALL MUTCD REQUIREMENTS. WORK SHALL NOT PROCEED ON MONROE ST OR RANDALL AVE 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.

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)

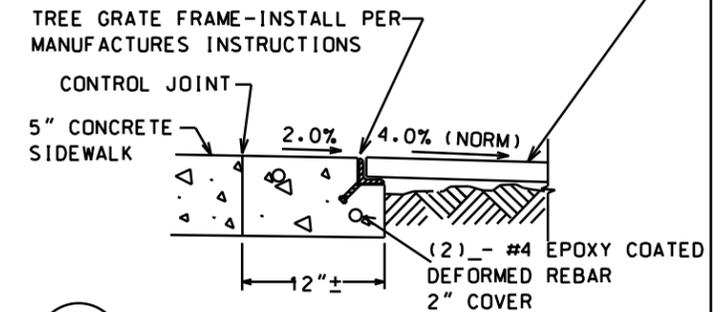
- a. All Streets Except Divided or one way roadways
  - i. Street Width 0 to 24 feet wide - Patch entire street width
  - ii. Street Width 25 to 37 feet wide - Patch one half the street width (curb to centerline of roadway). Note - Utility Engineer may adjust paving limit to correspond with a painted 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

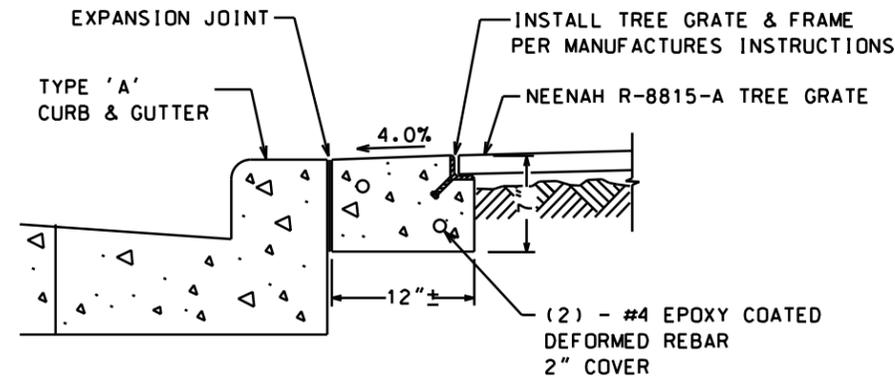
STREET NAME	CLASSIFICATION	PAVEMENT RATING
MONROE STREET	STANDARD ARTERIAL	8
N RANDALL AVE	COLLECTOR	8

DETAIL

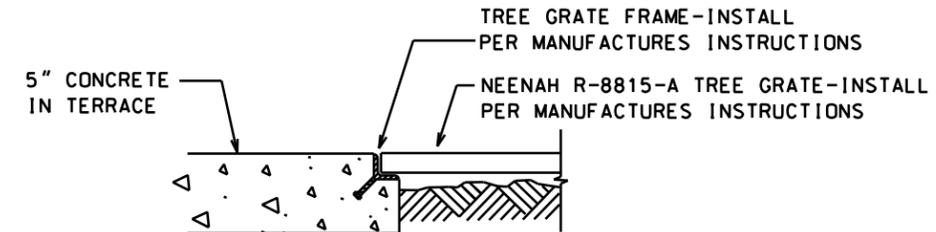
TYPICAL SECTION CITY OF MADISON  
NEENAH R-8815-A TREE GRATE-INSTALL PER MANUFACTURES INSTRUCTIONS



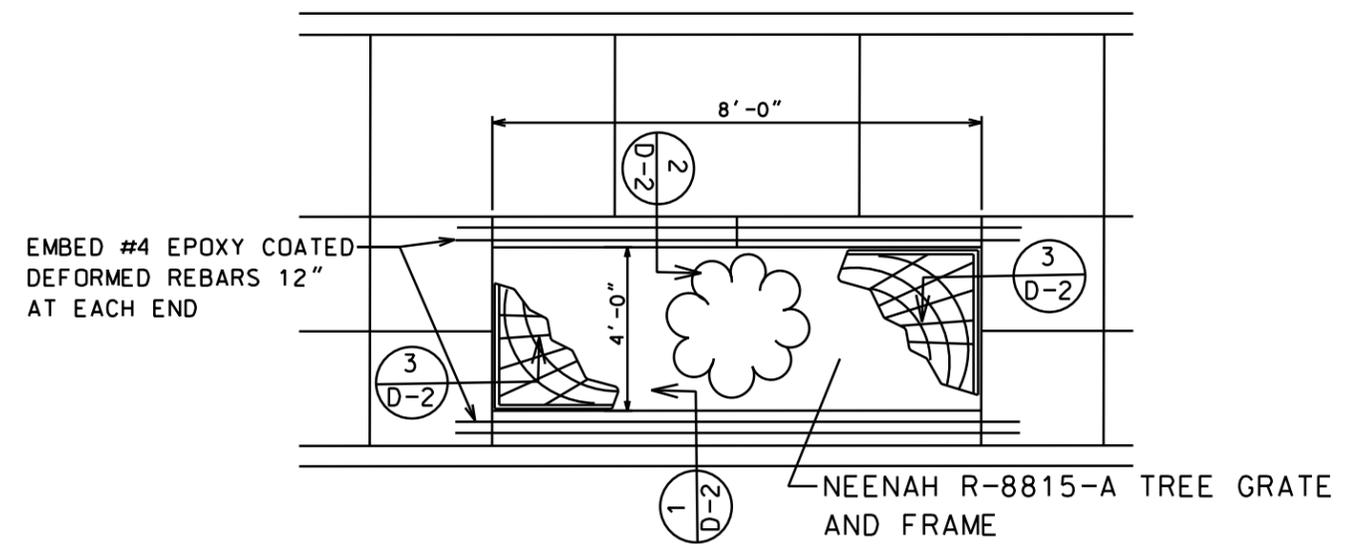
2 SECTION-TREE GRATE @ SIDEWALK  
D-2 NOT TO SCALE



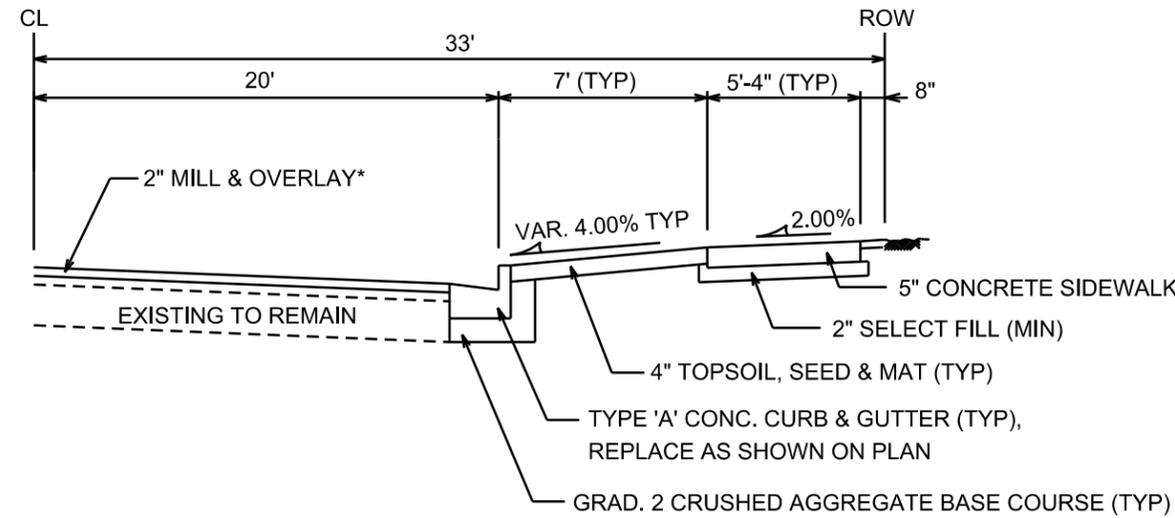
1 SECTION-TREE GRATE @ CURB  
D-2 NOT TO SCALE



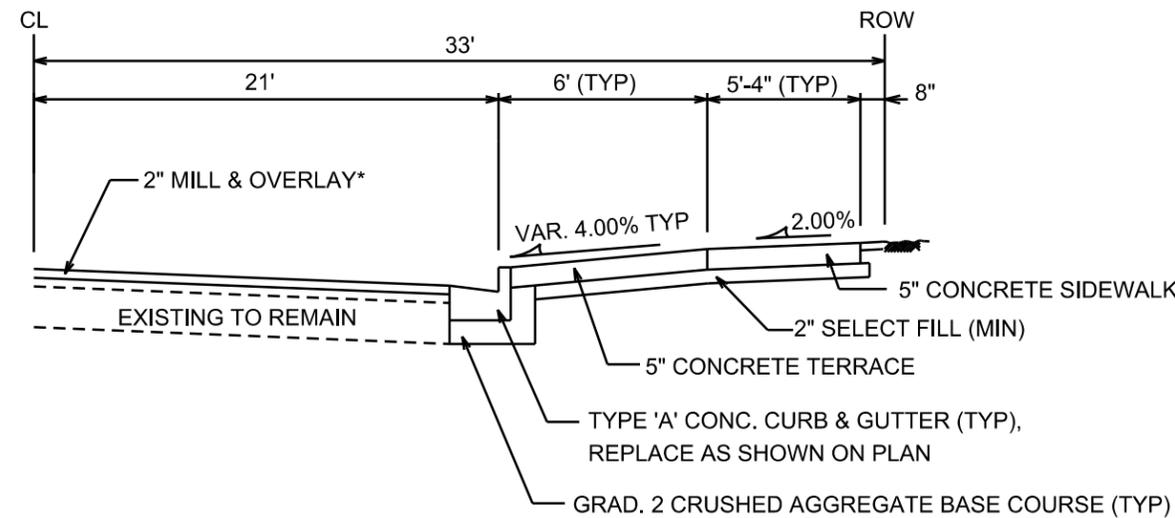
3 SECTION-TREE GRATE @ CONCRETE TERRACE  
D-2 NOT TO SCALE



TYPICAL TREE GRATE INSTALLATION  
NOT TO SCALE



TYPICAL SECTION  
N. RANDALL AVE.  
NOT TO SCALE



TYPICAL SECTION  
MONROE ST.  
NOT TO SCALE

NOTES:

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

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

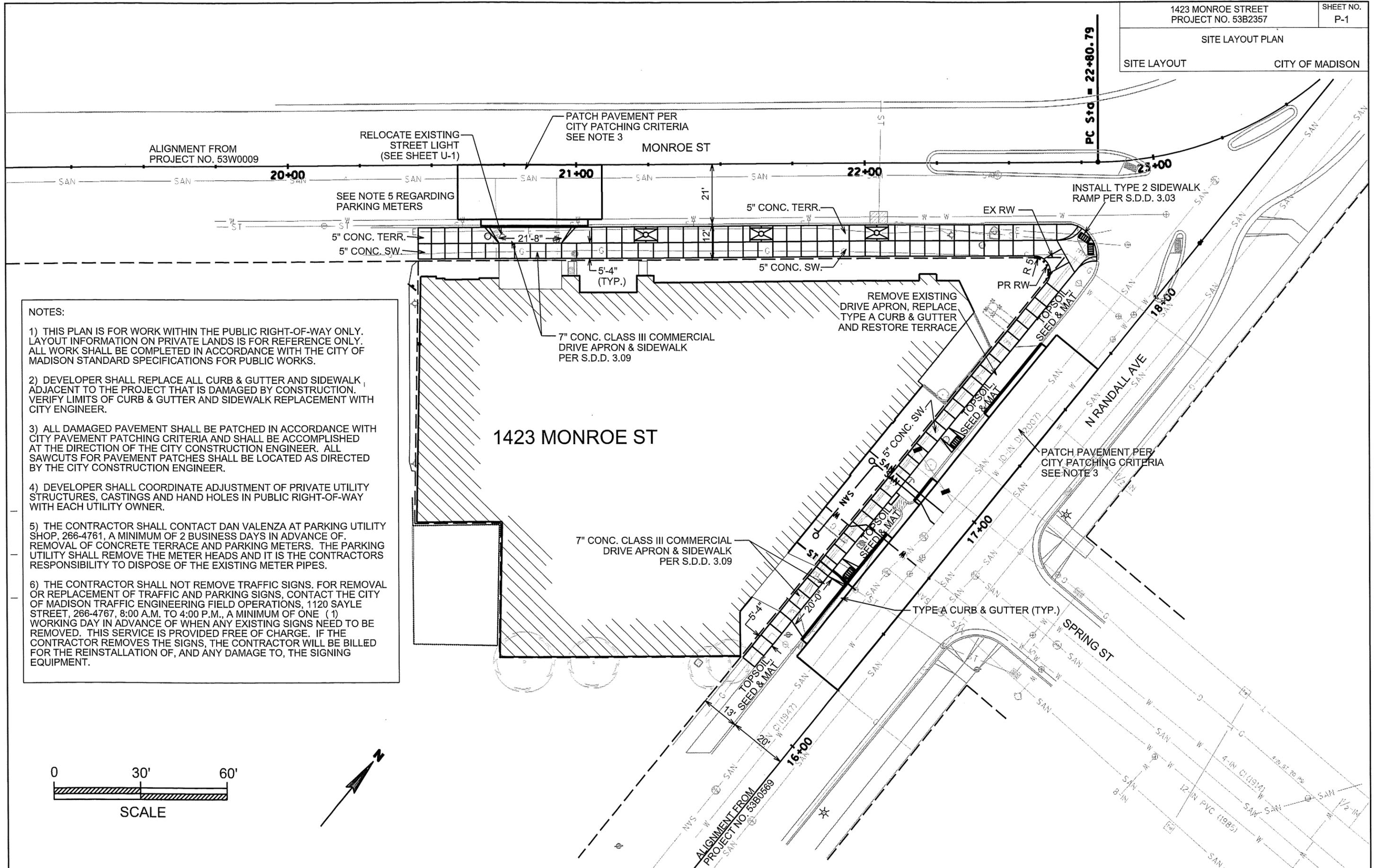
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTES:

- 1) THIS PLAN IS FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY ONLY. LAYOUT INFORMATION ON PRIVATE LANDS IS FOR REFERENCE ONLY. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
- 2) DEVELOPER SHALL REPLACE ALL CURB & GUTTER AND SIDEWALK ADJACENT TO THE PROJECT THAT IS DAMAGED BY CONSTRUCTION. VERIFY LIMITS OF CURB & GUTTER AND SIDEWALK REPLACEMENT WITH CITY ENGINEER.
- 3) ALL DAMAGED PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH CITY PAVEMENT PATCHING CRITERIA AND SHALL BE ACCOMPLISHED AT THE DIRECTION OF THE CITY CONSTRUCTION ENGINEER. ALL SAWCUTS FOR PAVEMENT PATCHES SHALL BE LOCATED AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER.
- 4) DEVELOPER SHALL COORDINATE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES, CASTINGS AND HAND HOLES IN PUBLIC RIGHT-OF-WAY WITH EACH UTILITY OWNER.
- 5) THE CONTRACTOR SHALL CONTACT DAN VALENZA AT PARKING UTILITY SHOP, 266-4761, A MINIMUM OF 2 BUSINESS DAYS IN ADVANCE OF REMOVAL OF CONCRETE TERRACE AND PARKING METERS. THE PARKING UTILITY SHALL REMOVE THE METER HEADS AND IT IS THE CONTRACTORS RESPONSIBILITY TO DISPOSE OF THE EXISTING METER PIPES.
- 6) THE CONTRACTOR SHALL NOT REMOVE TRAFFIC SIGNS. FOR REMOVAL OR REPLACEMENT OF TRAFFIC AND PARKING SIGNS, CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS, 1120 SAYLE STREET, 266-4767, 8:00 A.M. TO 4:00 P.M., A MINIMUM OF ONE (1) WORKING DAY IN ADVANCE OF WHEN ANY EXISTING SIGNS NEED TO BE REMOVED. THIS SERVICE IS PROVIDED FREE OF CHARGE. IF THE CONTRACTOR REMOVES THE SIGNS, THE CONTRACTOR WILL BE BILLED FOR THE REINSTALLATION OF, AND ANY DAMAGE TO, THE SIGNING EQUIPMENT.





ALIGNMENT FROM  
PROJECT NO. 53W0009

MONROE ST

NEENAH FOUNDRY  
4' X 8' TREE GRATE  
MODEL 8815-A  
SEE SHEET D-1

PC Stg = 22+80.79

20+00

21+00

22+00

23+00

STREET TREE  
SPECIES: CLEVELAND  
SELECT PEAR  
SIZE: 2" CALIPER  
STOCK: B&B

STREET TREE  
SPECIES: PRINCETON SENTRY GINGKO  
SIZE: 2" CALIPER  
STOCK: B&B

STREET TREE  
SPECIES: CLEVELAND  
SELECT PEAR  
SIZE: 2" CALIPER  
STOCK: B&B

STREET TREE  
SPECIES: NEW HORIZON ELM  
SIZE: 2" CALIPER  
STOCK: B&B

1423 MONROE ST

N RANDALL AVE

18+00

17+00

16+00

SPRING ST

ALIGNMENT FROM  
PROJECT NO. 53B0569

STREET TREE PLANTING NOTES:

- 1) CONTRACTOR SHALL CONTACT CITY FORESTRY ((608) 266-4891) AT LEAST ONE (1) WEEK PRIOR TO CONSTRUCTING TREE GRATE SITES TO SCHEDULE FINAL LOCATION REVIEW BY CITY FORESTRY, CITY ENGINEERING, AND CITY TRAFFIC ENGINEERING.
- 2) CONTRACTOR SHALL CONTACT CITY FORESTRY ((608) 266-4891) AT LEAST ONE (1) WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTION OF NURSERY STOCK AND TO REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.



SCALE

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION