

GENERAL NOTES

EXISTING CONDITIONS

PROPOSED SIDEWALK

UTILITY PLAN & PROFILES

CONSTRUCTION DETAILS

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NO MAINTENANCE PLAN

CITY OF MADISON CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS PLAN OF PROPOSED IMPROVEMENT

4221 MARSH ROAD

CITY PROJECT NO. 13500 CONTRACT NO. 9032

PROJECT LOCATION

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 20,2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:



City Engineer FOR PF

STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:

WATER **DESIGNED BY:**

> LATERALS ONLY

STORM SEWER DESIGNED BY:

> LATERALS ONLY

DATE: 6/25/2021 8:23 AM

GENERAL NOTES:

- CONTRACTOR TO CONTACT DIGGERS HOTLINE FOR UTILITY LOCATES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANIES IF UTILITY
 COMPANY'S STAFF IS REQUIRED TO BE ON SITE WHEN CONSTRUCTION ACTIVITIES ARE NEAR UTILITY FACILITIES.
- 2. LOCATION OF ALL STRUCTURES, OBSTACLES, AND EXISTING FACILITIES SHOWN SHALL NOT BE TAKEN AS CONCLUSIVE. CONTRACTOR SHALL VERIFY LOCATIONS AS A CONDITION OF THEIR BID AND BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM THEIR ACTIVITIES.
- 3. CONTRACTOR SHALL TAKE CARE WHEN EXCAVATING AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVERAGE REQUIREMENTS WITH UTILITY COMPANIES.
- 4. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE BEEN OBTAINED FROM AVAILABLE RESOURCES FOR FIELD LOCATES. THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN. CONTRACTOR IS REQUIRED TO VERIFY LOCATION OF EXITING UTILITIES.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO CARRY OUT THEIR WORK, UNLESS OTHERWISE NOTED
- 6. CONTRACTOR SHALL PROVIDE STAKING AS NECESSARY TO LAYOUT AND PROVIDE GRADES FOR ANY SECTION OF THE WORK
- 7. A COMPETENT REPRESENTATIVE WHO HAS AUTHORITY TO ACT FOR THE CONTRACTOR MUST BE AT THE SITE AT ALL TIMES.
- 8. STAGING AND MATERIAL STORAGE AREAS SHALL BE COORDINATED WITH THE OWNER AND SHALL BE DONE IN A MANNER TO AVOID INTERFERENCE WITH THE OWNER'S ACTIVITIES.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING PROPERTY CORNERS AND SURVEY MONUMENTS.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR BARRICADING AREAS OF CONSTRUCTION TO PROTECT AGAINST PERSONAL INJURY
- 11. EXISTING FACILITIES TO REMAIN INCLUDING PAVEMENT, SIDEWALKS, BUILDINGS, LANDSCAPING AND TREES SHALL BE PROTECTED DURING CONSTRUCTION.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THEIR WORK FROM ALL DAMAGE INCLUDING THE PUBLIC, OTHER CONTRACTORS, AND THE ENVIRONMENT
- 13. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED BY THE OWNER
- 14. DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY ENGINEERING AT LEAST 14 DAYS PRIOR TO START OF WORK, WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE

UTILITIES AND STORM SEWER:

- 1. ALL EXISTING SURFACE INFRASTRUCTURE INCLUDING HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEMS, AND UTILITY PEDESTALS ARE REQUIRED TO BE ADJUSTED TO PROPOSED GRADE BY CONTRACTOR.
- 2. UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS AND SPECIFICATIONS FOR UTILITY COMPANIES HAVING JURISDICTION
- CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES AND CONDUITS TO AVOID CONFLICTS AND TO PROVIDE MINIMUM REQUIRED DEPTHS OF COVER.
 ADDITIONAL BENDS AND ASSOCIATED MATERIALS ARE TO BE INSTALLED AS REQUIRED FOR WATER MAINS AND LATERALS.
- 4. STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND THE STANDARDS OF THE WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES FOR PRIVATE STORM SEWER CURRENT EDITIONS INCLUDING ANY ADDENDUMS.
- 5. STORM SEWER STRUCTURES SHALL BE PRECAST CONCRETE AND THE SIZE AS NOTED ON THE PLANS
- 6. TRENCHES SHALL BE BACKFILLED WITH CRUSHED STONE BEDDING WITHIN 1:1 OF PAVEMENT AREAS AND WITH SPOIL IN LANDSCAPING AREAS
- 7. STORM SEWER 8-INCHES OR SMALLER CONNECTED TO THE STORM SEWER SHALL BE PLACED HORIZONTALLY AT THE SPRING LINE OF THE PIPE WITH A WATER TIGHT CONNECTION.
- 8. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORED AND A WATER TIGHT SEAL PROVIDED
- 9. TRACER WIRE OR OTHER MEANS OF LOCATING UNDERGROUND PIPES SHALL BE INSTALLED ON ALL PIPING
- 10. ALL DIMENSIONS ARE TO THE CENTERLINE OF UTILITIES AND STRUCTURES
- 11. ALL SANITARY, WATER, AND STORM SEWER UTILITY WORK PERFORMED IN THE RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2021 EDITION.

EROSION CONTROL:

- 1. CONSTRUCTION ACTIVITIES SHALL NOT COMMENCE UNTIL EROSION CONTROL DEVICES HAVE BEEN INSTALLED.
- 2. EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO WDNR BEST MANAGEMENT PRACTICES
- 3. EXISTING LANDSCAPING AND TREES TO REMAIN SHALL BE PRUNED TO REMOVE LOW HANGING, BROKEN, AND UNDESIRABLE GROWTH TO ENSURE HEALTHY AND SYMMETRICAL NEW GROWTH.
- 4. ALL AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE PREPARED FOR GRASS SEED BY LOOSENING RUTS AND WORKING THE SOIL AREAS TO A MINIMUM OF 6-INCHES PRIOR TO THE FINE GRADING AND SEEDING. AREAS SHALL HAVE A MINIMUM OF 4-INCHES OF TOPSOIL PLACED, SEEDED, AND MULCHED UNLESS OTHERWISE INDICATED.
- 5. INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DONE BY CONTRACTOR ONCE PER WEEK AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 1/2-INCH OR GREATER.
- 6. CONTRACTOR SHALL REPAIR DEFICIENT EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS AFTER INSPECTION. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES NOT SHOWN ON THIS PLAN MAY BE NECESSARY AS A RESULT OF CONSTRUCTION PRACTICES OR AS DIRECTED BY OWNER AND/OR ENGINEER.
- 7. CONTRACTOR SHALL NOTIFY AND OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER OF PROPOSED CHANGES TO THE EROSION CONTROL PLAN AND/OR SEQUENCE PRIOR TO IMPLEMENTING THE CHANGE.
- 8. EXCESS MATERIAL THAT IS HAULED OFF SITE SHALL BE CONTRACTOR'S RESPONSIBILITY, CONTRACTOR SHALL OBTAIN PROPER PERMIT APPROVALS FOR EACH FILL SITE. EROSION AND SEDIMENT CONTROL MEASURES, RESTORATION, AND STABILIZATION AT FILL SITE IS CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO NOTIFY OWNER OF ALL FILL AND BORROW SITES.
- 9. CONTRACTOR SHALL SWEEP STREETS ADJACENT TO PROJECT AS NEEDED
- 10. ALL INSTALLATION, MAINTENANCE, AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE WDNR TECHNICAL STANDARDS.
- 11. IF DEWATERING IS NECESSARY, CONTRACTOR SHALL PROVIDE PROPER DEWATERING SEDIMENT CONTROL DEVICES. DISCHARGE OF SEDIMENT LADEN WATER TO THE STORM OR SURFACE WATER IS PROHIBITED.
- 12. STABILIZE NEWLY GRADED AREAS WITHIN 3 DAYS OF BEING INACTIVE
- 13. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AFTER 80% OF VEGETATION HAS BEEN ESTABLISHED IN RESTORED AREAS.





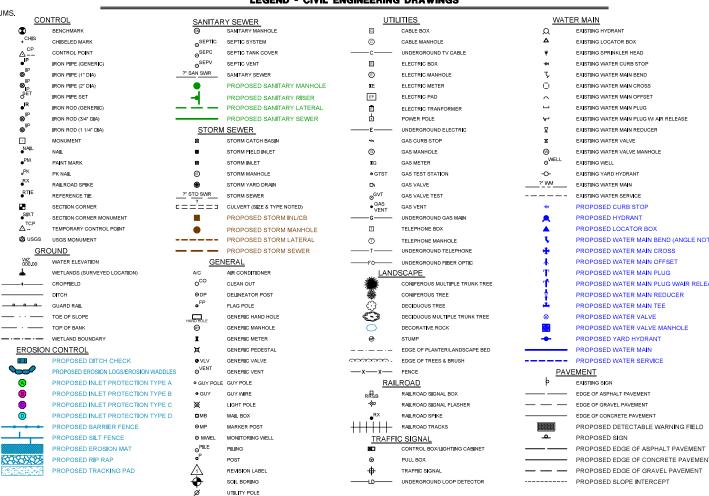
GRADING AND PAVING:

- ALL SITE CONSTRUCTION INCLUDING GRADING, EXCAVATION, AND PAVEMENT CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION HEREIN REFERRED TO AS THE STANDARD SPECIFICATIONS EXCEPT AS MODIFIED. QUALITY CONTROL AND QUALITY ASSURANCE TESTING WILL NOT BE REQUIRED. TESTING WILL BE COMPLETED AT THE OWNER'S DIRECTION.
- 2. CONTRACTOR SHALL STRIP AND REMOVE TOPSOIL AND ORGANIC MATERIALS FOUND WITH THE SITE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, LANDSCAPING AREAS SHALL BE GRADED LOW TO ALLOW FOR TOPSOIL PLACEMENT.
- 3. MATERIAL TESTS CONDUCTED BY AN INDEPENDENT TESTING LAB MAY BE ORDERED AND PAID FOR BY THE OWNER. IF TESTING IS ORDERED, CONTRACTOR SHALL FURNISH SAMPLES FOR SAID TESTING. RETESTING AND CORRECTION OF FAILING MATERIAL SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
- 4. SUBGRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF BASE AGGREGATE AS REQUIRED IN THE STANDARD SPECIFICATIONS. SUBGRADE SHALL BE PROOF ROLLED PRIOR TO PLACEMENT OF BASECOURSE. AREAS IDENTIFIED AS SOFT AND YIELDING SHALL BE IDENTIFIED FOR REMOVAL PRIOR TO PLACEMENT OF BASE AGGREGATE.
- 5. BACKFILL AND FILL MATERIALS SHALL BE PLACED IN LAYERS NOT MORE THAN 8-INCHES LOOSE IF COMPACTED WITH HEAVY EQUIPMENT AND NOT MORE THAN 4-INCHES LOOSE IF COMPACTED BY HAND EQUIPMENT.
- 6. BASE COURSE SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR (AASHTO T-180).
- 7. ACCESSIBLE ROUTES AND HANDICAP PARKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.
- 8. DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE SHALL CONFORM TO ACTI 330R-08

YARD LIGH

- 9. ALL CONCRETE FLATWORK SHALL HAVE A LIGHT BROOMED FINISH
- 10. EXTERIOR CONCRETE SHALL BE SEPARATED FROM BUILDINGS WITH A CONTINUOUS 0.5-INCH FIBER EXPANSION JOINT
- 11. ALL ASPHALT AND SURFACE COURSE SHALL BE DESIGNED TO 96.0% OF MAXIMUM SPECIFIC GRAVITY AT NDES AND DURING FIELD PRODUCTION PERCENT OF MAXIMUM SPECIFICATION GRAVITY WILL BE INCREASED TO 97.0% PER THE STANDARD SPECIFICATIONS.
- 12. TWO PAINT COATS SHALL BE APPLIED ON NEW PAVEMENT. THE FIRST COAT SHALL BE AFTER PAVING OPERATIONS HAVE BEEN COMPLETED. THE SECOND COAT SHALL BE APPLIED 30 CALENDAR DAYS AFTER PAVING HAS BEEN COMPLETED.
- 13. ELEVATIONS ARE TO FLANGE.

LEGEND - CIVIL ENGINEERING DRAWINGS



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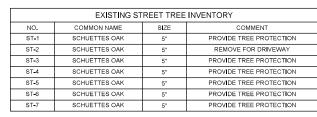
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6/24/2021

GENERAL NOTES





NOTE: TREE PROTECTION SHALL INCLUDE ENTIRE WIDTH OF TERRACE AND EXTEND 5 FEET BEYOND OUTSIDE EDGE OF TREE TRUNK ON BOTH SIDES.



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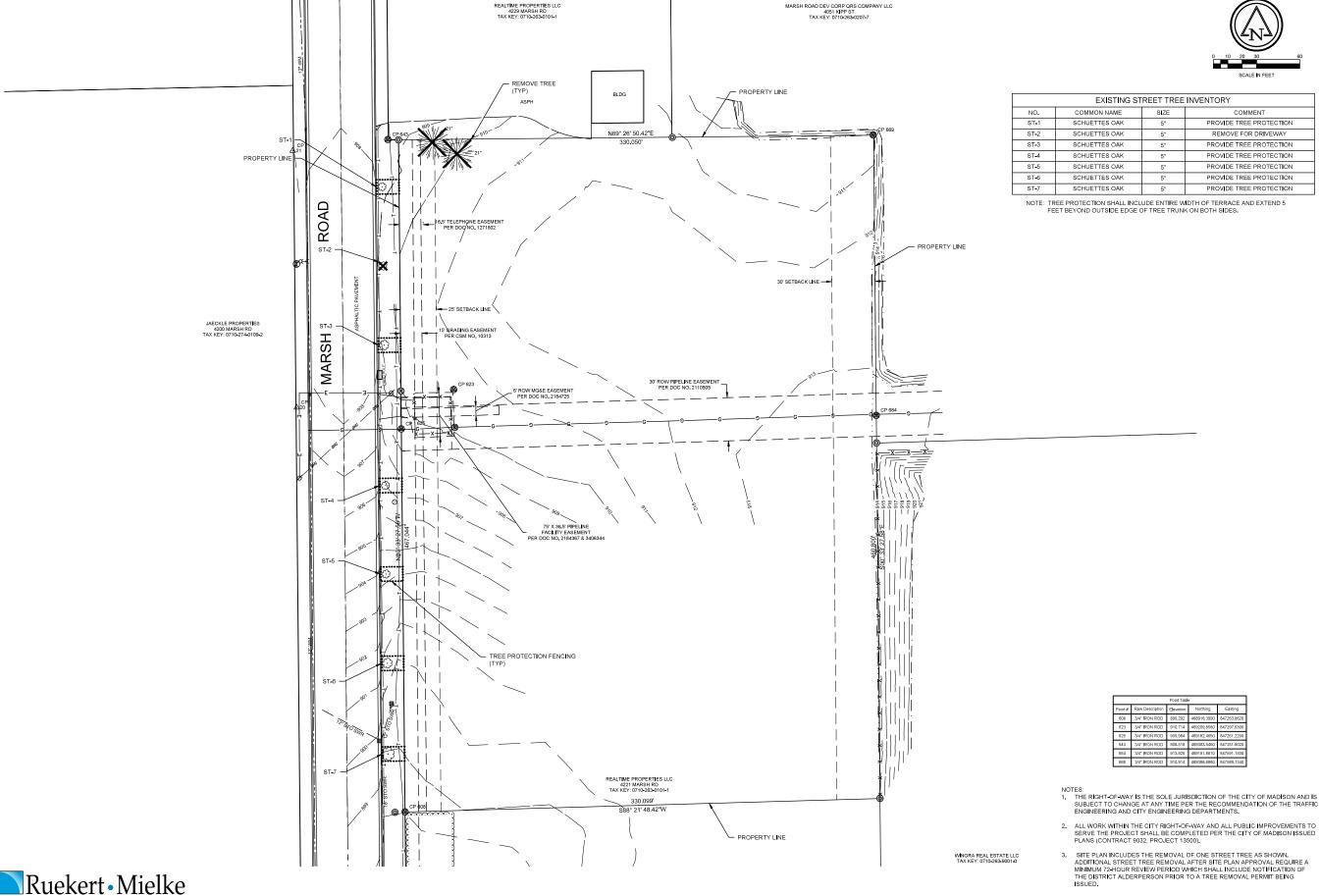
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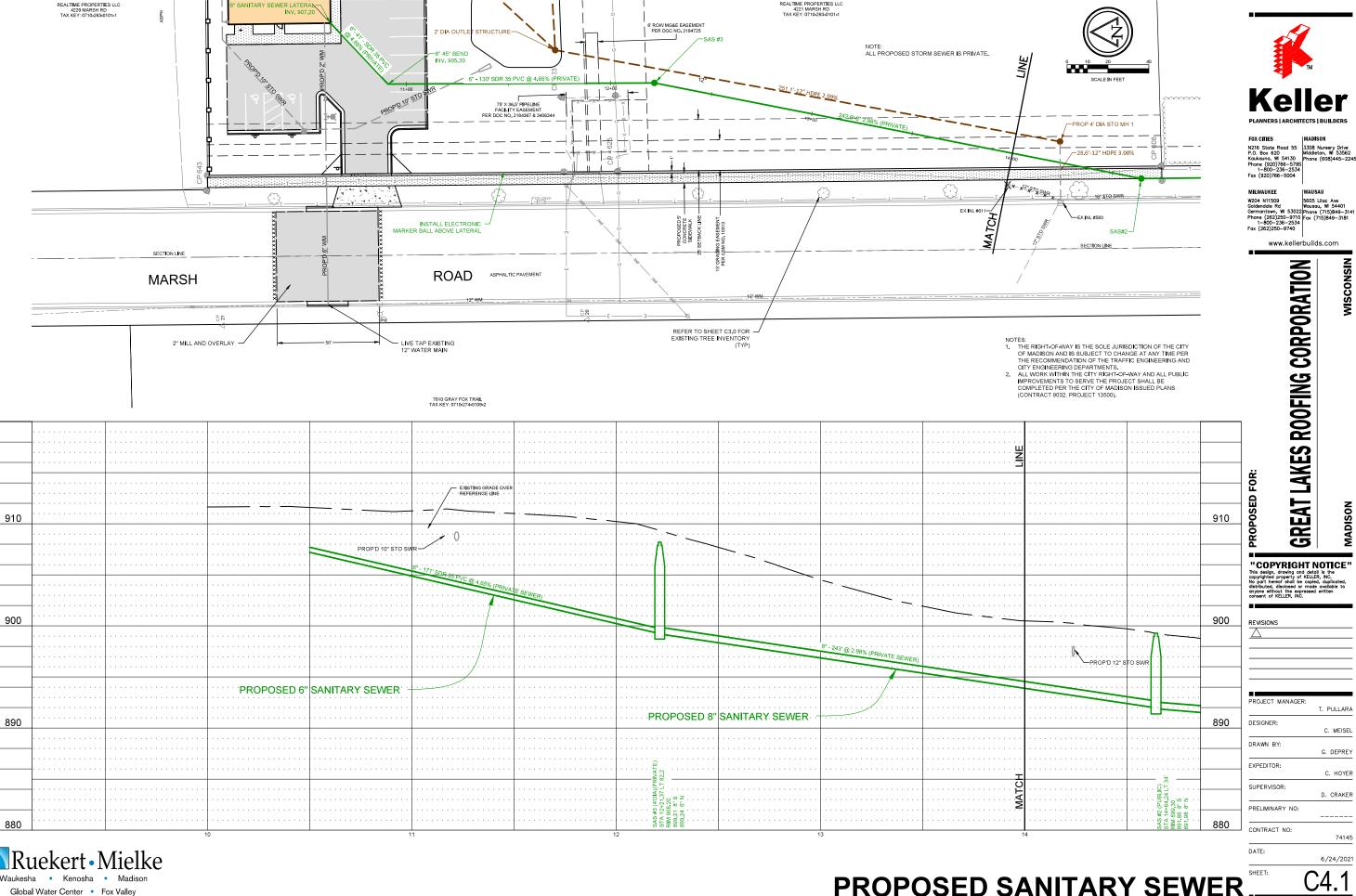
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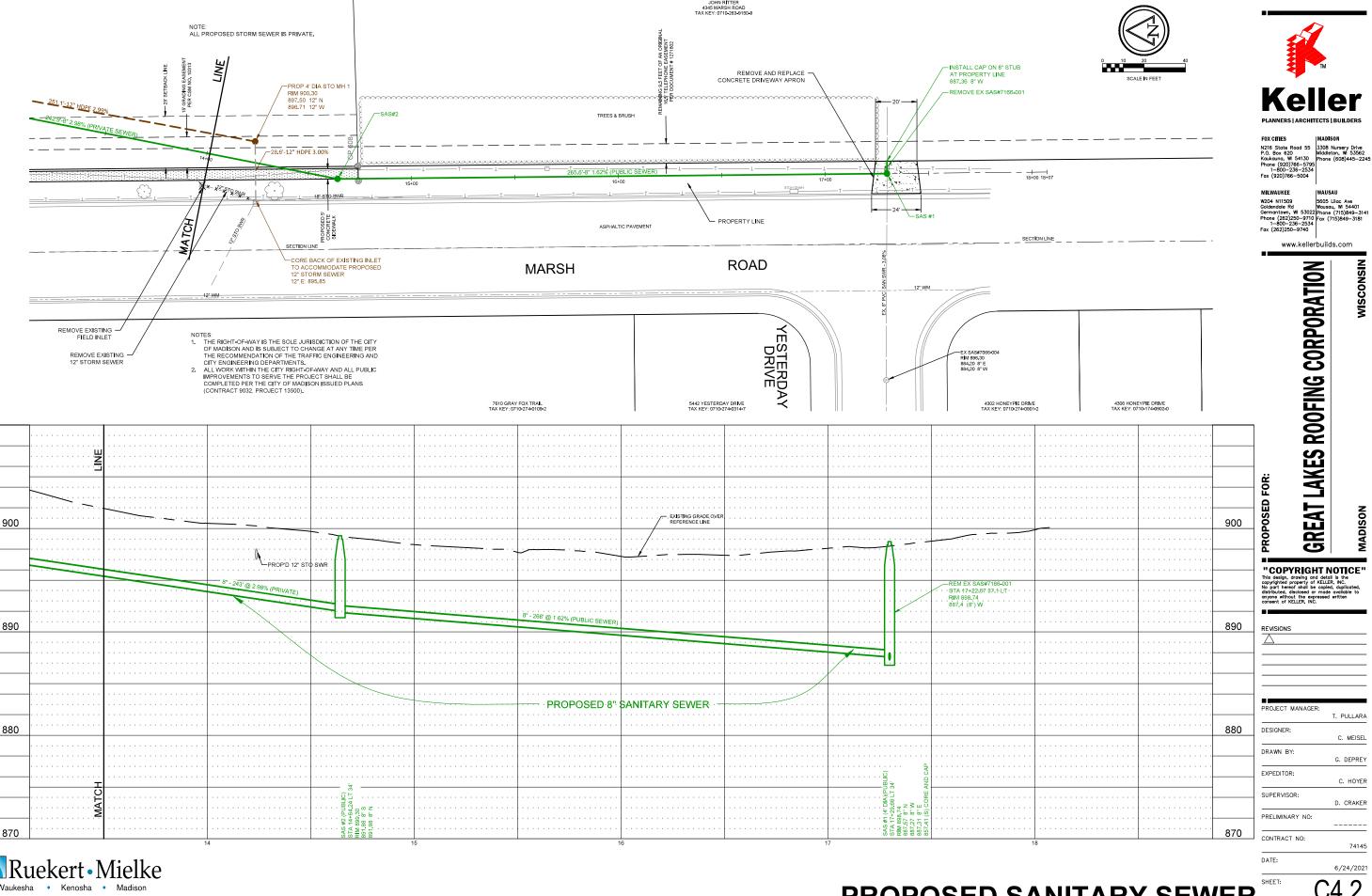
ENGINEERING AND CITY ENGINEERING DEPARTMENTS.



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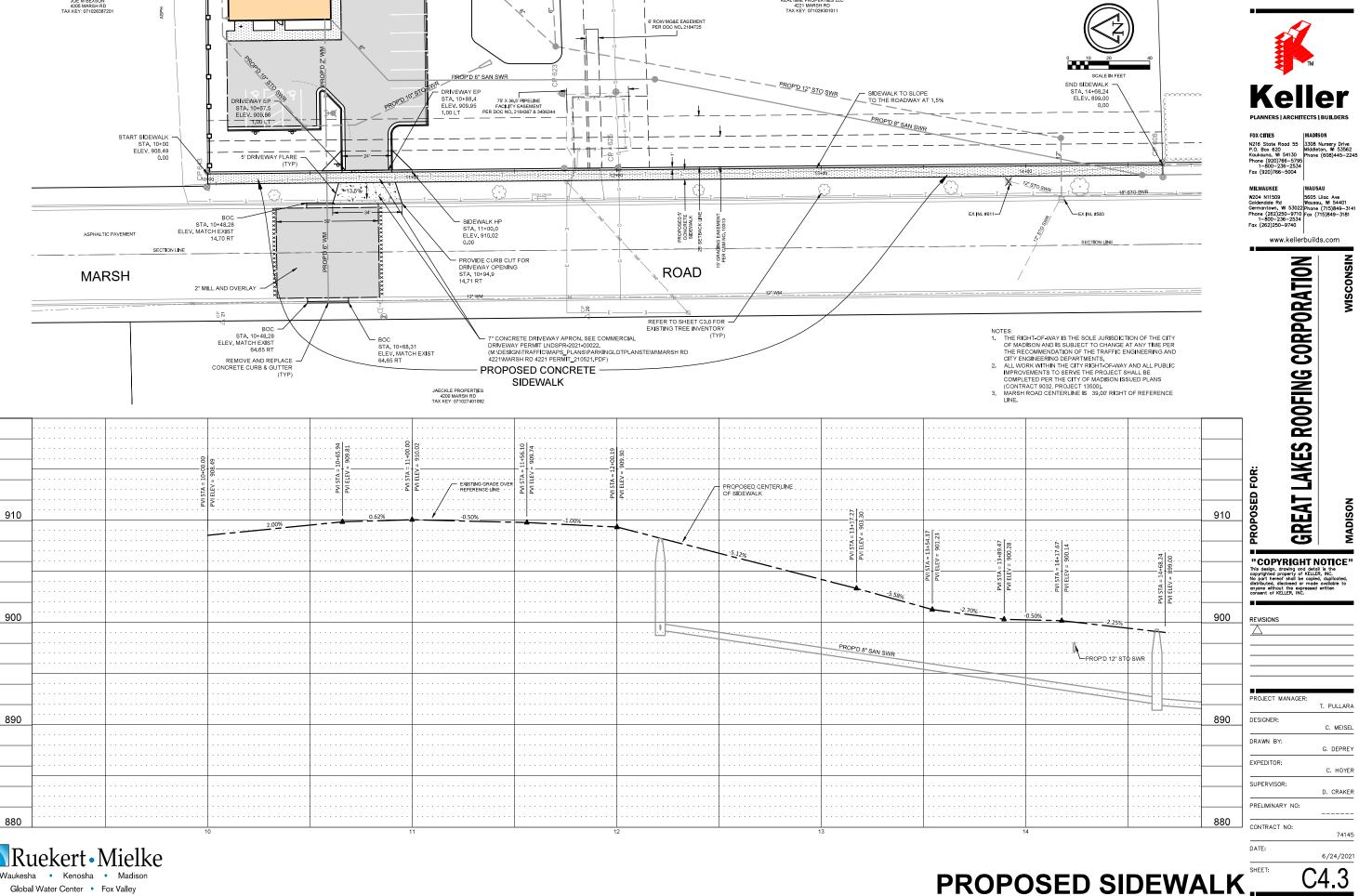


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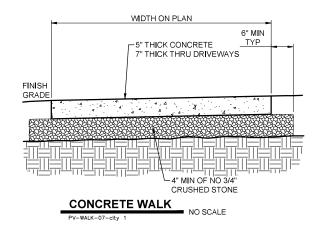


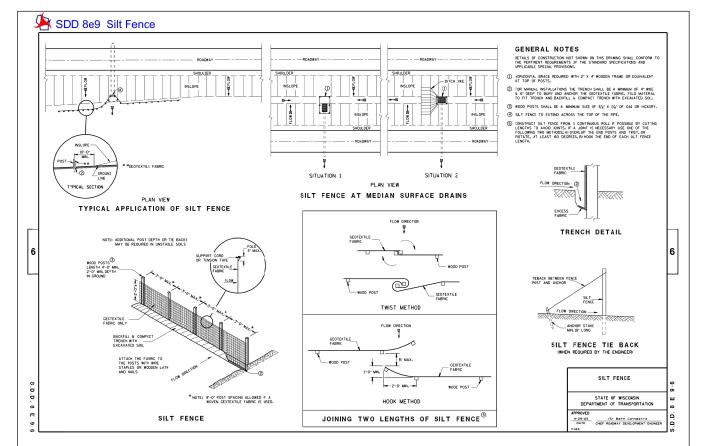
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