

Madison, Wisconsin

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# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

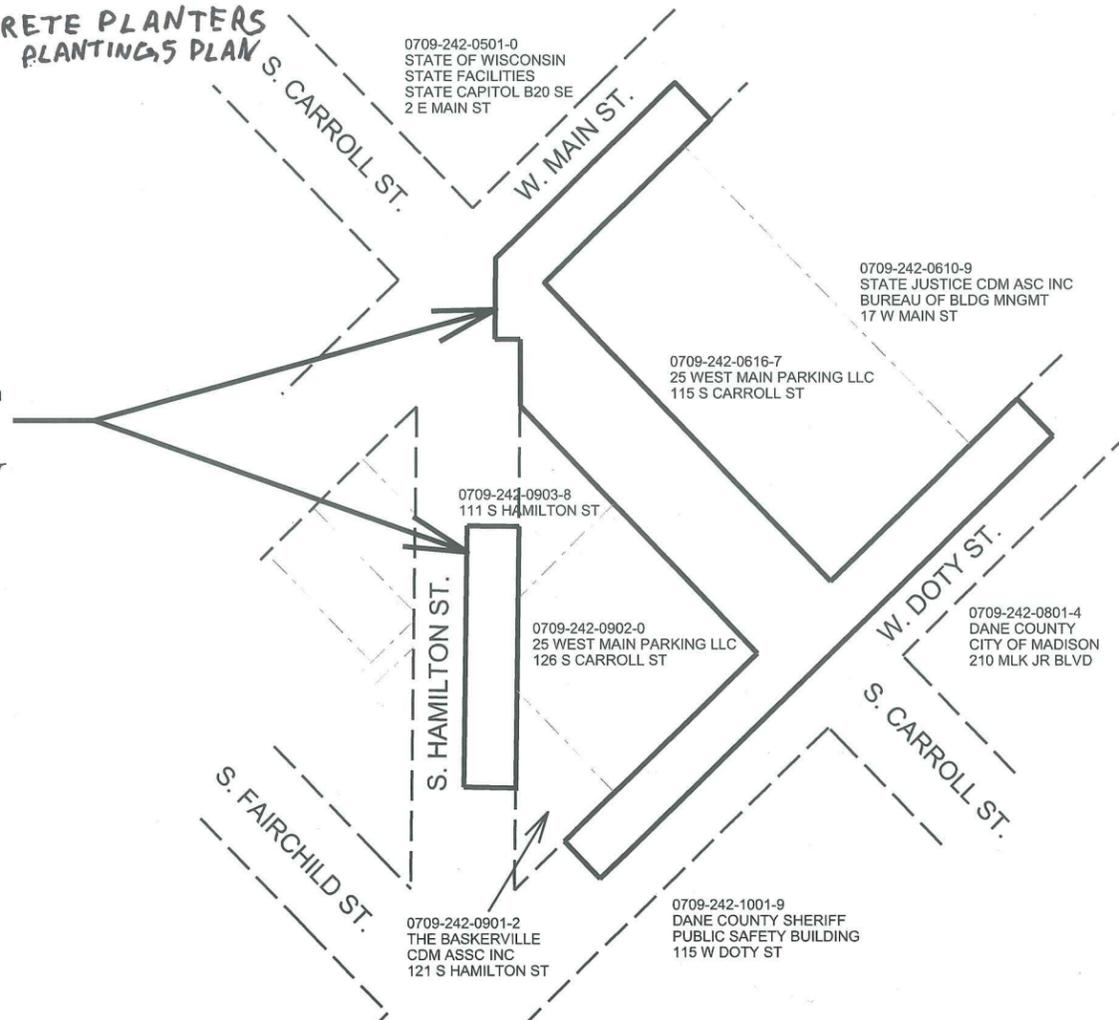
# PLAN OF PROPOSED IMPROVEMENT

## ANCHORBANK REDEVELOPMENT - 25 W. MAIN STREET

CITY PROJECT NO. 10905  
CITY CONTRACT NO. 2342

Rev. 2017-10-13 JPS MUNIS NO. 10905

PROJECT  
LOCATION



PUBLIC IMPROVEMENT PROJECT  
APPROVED  
JUNE 2, 2015  
BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:  
  
City Engineer Date 3/24/17

MARKING PLAN  
DESIGNED BY:

WATER  
DESIGNED BY:

ELECTRICAL  
DESIGNED BY:

SANITARY SEWER  
DESIGNED BY:

STREET  
DESIGNED BY:

STORM SEWER  
DESIGNED BY:

PLOT SCALE: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

ALL PAVEMENT WITHIN THE WEST DOTY STREET, SOUTH HAMILTON STREET, AND SOUTH CARROLL STREET RIGHT OF WAYS SHALL BE TYPE C PAVEMENT.

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

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMP SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMP SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMP 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 RAMP) 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.

DAMAGE TO ANY EXISTING CURB, PAVEMENT, SIDEWALK, ETC. THAT IS TO REMAIN SHALL BE REPAIRED BY THE DEVELOPER/CONTRACTOR AS DIRECTED BY THE ENGINEER.

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.

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.

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.

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
UNDERGROUND ELECTRIC	— E —
UNDERGROUND ELECTRIC AMERICAN TRANSMISSION CO.	— ATC E ATC —
POWER POLE	⊕
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

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 OUSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 PRIOR TO EXCAVATION TO ASSESS THE IMPACT OF 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.

CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO THE INSTALLATION OF THE TREE GRATES TO MARK THE PLANTING SITES.

CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO REVIEW THE PLANTING SITES, INSPECT NURSERY STOCK , AND REVIEW PLANTING 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.

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.

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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAIL

PLANTER IRRIGATION NOTES CITY OF MADISON

REV. 2017 03-23 JPS

**DESCRIPTION**

MAINTAIN THE EXISTING PLANTER IRRIGATION SYSTEM. THIS INCLUDES FURNISHING AND INSTALLATION OF THE FOLLOWING: WATER SERVICE LATERAL, IRRIGATION MAIN, ELECTRONIC REMOTE CONTROL VALVES, CONTROL TIMER, ACCESS RESTRICTED VALVE BOXES, POP-UP SPRAY HEADS WITH NOZZLE, CONDUIT, AND ELECTRICAL WIRE AND CONNECTIONS.

THE EXISTING IRRIGATION SYSTEM INCLUDES 2" COPPER PIPE MAINS THAT ARE GENERALLY LOCATED BEHIND OR UNDER THE EXISTING CURB AND GUTTER. THE 2" IRRIGATION MAIN RUNS FROM TWO CONTROLLERS AT APPROXIMATELY STA 51+42 AND 51+62, 30' RT. THE CONTROLLERS ARE LOCATED WITHIN CASTINGS SHOWN ON THE PLANS. THE MAIN PROVIDES WATER SERVICE TO EACH OF THE PLANTERS, AND WITHIN EACH PLANTER THERE IS AN ELECTRIC VALVE IN A VALVE BOX, AND PVC PIPING PROVIDES WATER SERVICE TO THE SPRINKLER HEADS THAT SURROUND THE OUTER EDGES OF THE PLANTERS. APPROXIMATELY 6 TO 8 SPRINKLERS ARE IN EACH PLANTER. THE IRRIGATION SYSTEM ALSO PROVIDES WATER SERVICE TO MULTIPLE HOSE BIBS.

THE PLANTER IRRIGATION SERVICES SHALL BE CONSTRUCTED WITH RAIN BIRD LANDSCAPE IRRIGATION PRODUCTS, OR APPROVED EQUAL. THESE SPECIFICATIONS ONLY PROVIDE A DESCRIPTION OF THE WORK; IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE MATERIAL SELECTION, SIZES, JOINTING AND CONNECTION DETAILS ALL AS NECESSARY TO CARRY OUT THE INTENT OF THE PLANS AND SPECIFICATIONS FOR THE WORK.

CONTRACTOR SHALL COORDINATE WITH CITY PARKS ON REPAIRING ANY REMOVED OR DAMAGED AREAS OF THE IRRIGATION SYSTEM. CONTACT STEVE ELMER AT 209-8700 OR TOM SKAIFE AT 225-4849.

**MATERIALS**

MATERIALS SHALL BE FURNISHED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2016 EDITION AND AS HEREINAFTER PROVIDED.

IRRIGATION SYSTEM MAINLINE PIPE BETWEEN PLANTERS: 2-INCH COPPER PIPE  
PROPRIETARY NAMES ARE BEING USED TO CALL OUT THE KIND AND QUALITY OF MATERIALS. THE CONTRACTOR MAY FURNISH EQUAL OR BETTER MATERIALS FROM THOSE LISTED, IF APPROVED BY THE ENGINEER.

**CONSTRUCTION**

**SYSTEM COMPONENTS**

EACH NEW PLANTER IRRIGATION SYSTEM SHALL CONSIST OF ONE ELECTRIC SERVICE CONNECTION, ONE WATER SERVICE CONNECTION, ONE RAIN BIRD ESP MODULAR CONTROLLER OR THE MODIFICATION OF AN EXISTING CONTROLLER, TYPE K COPPER SUPPLY LINE, AND ALL ZONE COMPONENTS (SEE FOLLOWING).

WATER SERVICE CONNECTIONS SHALL BE MADE AS SHOWN IN THE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF CONNECTION LOCATIONS AND THE CITY FIELD REPRESENTATIVE SHALL REVIEW THE LOCATION PRIOR TO CONNECTION. ALL FITTINGS TO TIE INTO THE WATER SYSTEM SHALL BE SCHEDULE 80 BRASS FITTINGS WITH FLARE CONNECTIONS. ALTHOUGH THE SERVICE LATERAL DEPTH MAY VARY TO AVOID UTILITY CONFLICTS, AT NO TIME SHALL ANY REPLACED SERVICES BE LESS THAN 24 INCHES DEEP. EACH SYSTEM SHALL CONTAIN A HAND-OPERATED BRASS BALL VALVE FOR SYSTEM ISOLATION.

JOINTS AND FITTINGS SHALL BE RESTRICTED TO LANDSCAPE BED AREAS ONLY, WITH NO JOINTS OR FITTINGS UNDER THE CONCRETE SIDEWALK, UNLESS APPROVED BY THE ENGINEER.

IN AREAS WHERE THE EXISTING IRRIGATION MAIN IS REMOVED TO ACCOMMODATE CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE MAIN AND COMPONENTS IN KIND. IRRIGATION MAIN REPLACEMENT SHALL BE MADE WITH COPPER PIPE AND SOLDERED JOINTS AT EACH CUT END; COMPRESSION COUPLINGS MAY BE USED IF ONLY APPROVED BY CITY PARKS PRIOR TO INSTALLATION. ANY REPLACED OR SALVAGED AND REINSTALLED ELECTRIC VALVES SHALL HAVE UNIONS INSTALLED ON BOTH ENDS, WITH MECHANICAL JOINTS.

- IRRIGATION SYSTEM MAINLINE PIPE IN PLANTER: 1-INCH DIAMETER CLASS 200 PVC PIPE
- IRRIGATION SYSTEM LATERAL LINE PIPE: 1-INCH DIAMETER HD100 PE PIPE
- IRRIGATION SYSTEM PIPE SLEEVE: 2-INCH DIAMETER SCHEDULE 80 PVC CONDUIT
- ELECTRIC VALVE: RAIN BIRD 100-PGA
- CONTROLLER: RAIN BIRD ESP MODULAR SERIES 4 STATION CONTROLLER
- VALVE BOX: RAIN BIRD VB STD VALVE BOX WITH BLACK COVER
- RAIN BIRD MODEL 1812-SAM PRS-P30 12" SPRAY HEAD PART CIRCLE
- RAIN BIRD MODEL 1812-SAM PRS-P30 12" SPRAY HEAD FULL CIRCLE
- RAIN BIRD MPR NOZZLES
- 16 AWG, SINGLE CONDUCTOR, DIRECT BURY RATED ELECTRIC WIRE
- ELECTRICAL CONNECTORS: 3M DBY/R-6 SPLICE KITS
- ELECTRICAL CABLE SLEEVE: 2-INCH DIAMETER PVC (SCHEDULE 40 AND 80) CONDUIT.

**ZONE COMPONENTS**

SERVICES TO THE PLANTERS SHALL BE MADE WITH COPPER PIPE, MATCHING THE EXISTING PIPE DIAMETER. LANDSCAPE AREAS SHALL CONSIST OF (1) RAIN BIRD 100-DV ELECTRIC REMOTE CONTROL VALVE, ONE (1) RAIN BIRD VD-STD-L VALVE BOX, THE APPROPRIATE NUMBER AND MODELS OF RAIN BIRD SPRINKLER HEADS AS SHOWN ON THE PLANS, 1-INCH PVC ZONE LATERALS, ELECTRICAL CONNECTIONS AND CONDUITS, AND ALL CONNECTIONS AND JOINTS NECESSARY.

RAIN BIRD VB-STD-L VALVE BOXES SHALL BE LOCATED IN EACH LANDSCAPE BED AS SHOWN ON THE PLANS, WITHIN 2-1/2 FEET BUT NOT CLOSER THAN 1-1/2 FEET FROM THE LANDSCAPE BED CURB HEAD. THE TOP OF THE BOX SHALL BE SET 1/2 INCH ABOVE THE FINISHED TOPSOIL GRADE. THE BOTTOM OF THE VALVE BOX SHALL BE OPEN AND SHALL BE UNDERLAIN WITH 3/4-INCH ROUND WASHED ROCK AND TYPE R GEOTEXTILE FILTER FABRIC TO ALLOW DRAINAGE. ONLY FLEXIBLE SEALING SUCH AS PLASTIC SHEETING OR GEOTEXTILE FABRIC MAY BE USED TO SEAL AROUND THE WATER SERVICE LATERAL. THE SERVICE LATERAL SHALL TEE AND THEN BE COUPLED TO, AND REDUCED TO IF NECESSARY, A MANUFACTURER-SUPPLIED 1" PVC MANIFOLD SYSTEM TO FEED THE REQUIRED NUMBER OF VALVES. ONE VALVE SHALL BE PROVIDED PER ZONE AS SHOWN ON THE PLAN. 1-INCH SCHEDULE 40 PVC IRRIGATION LATERALS SHALL THAN PROCEED THROUGHOUT THE LENGTH OF THE PLANTERS TO SERVE EACH SPRINKLER HEAD AS SHOWN ON THE PLANS.

ZONE LATERALS SHALL BE 1" SCH 40 PVC TUBING, OR AS RECOMMENDED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER. ZONE LATERALS SHALL BE INSTALLED IN 2" SCH 40 PVC SLEEVES WHEN PLACED UNDER SIDEWALK.

ANY REPLACEMENT OF SPRINKLER HEADS SHALL BE THE APPROPRIATE HEAD FOR EACH SPECIFIC PLANTER LOCATION SUCH THAT WHEN IN USE, THE SPRINKLER IS ONLY WATERING THE LANDSCAPED PLANTER AND NOT THE ADJACENT SIDEWALK.

ANY PLANTER THAT REQUIRES NEW IRRIGATION SHALL BE INSTALLED TO ADEQUATELY WATER THE ENTIRE PLANTER AND LANDSCAPE AREAS INTENDED. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE PRESSURE OF THE WATER BEFORE INSTALLATION OF THE NOZZLES AND TO VERIFY ADEQUATE WATER COVERAGE OF THE INTENDED AREAS. THE CONTRACTOR SHALL TEST THE SYSTEM AT OPERATING PRESSURE FOR 4 HOURS MINIMUM AND INSPECT THE SYSTEM FOR LEAKS. REPAIR ANY LEAKS AND RETEST THE SYSTEM AFTER THE REQUIRED CURE TIME FOR THE REPAIRS. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH PARKS DIVISION STAFF FOR INSPECTION PRIOR TO BACKFILLING OF THE PLANTERS.

**START-UP MEETING AND O&M MANUAL**

THE CONTRACTOR SHALL CONDUCT AN ON-SITE WALK THROUGH WITH CITY'S PARKS DIVISION/MALL MAINTENANCE STAFF AND ENGINEERING STAFF PRIOR TO THE START OF THE PROJECT. THE EXISTING IRRIGATION WILL BE TESTED TO ENSURE IT IS WORKING PROPERLY. ANY DEFICIENCIES TO THE SYSTEM WILL BE IDENTIFIED AT THAT TIME. THE CONTRACTOR SHALL WORK COOPERATIVELY WITH PARKS DIVISION STAFF TO COORDINATE ANY REPAIRS THAT ARE IDENTIFIED DURING THE ON-SITE WALK THROUGH THAT THEY WISH TO CORRECT IN CONJUNCTION WITH THIS PROJECT.

ALL OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED TO PARK DIVISION STAFF FOR ALL NEW SYSTEMS. THE O&M MANUAL SHALL INCLUDE THE MANUFACTURER-PROVIDED OWNER'S MANUAL AND RECOMMENDED MAINTENANCE SCHEDULE, THE CONSTRUCTION DRAWINGS NOTATED BY THE CONTRACTOR WITH ANY CHANGES FROM THE DESIGNED SYSTEM AND THE SPECIFIC MODIFICATIONS MADE TO THE EXISTING IRRIGATION SYSTEM.

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

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

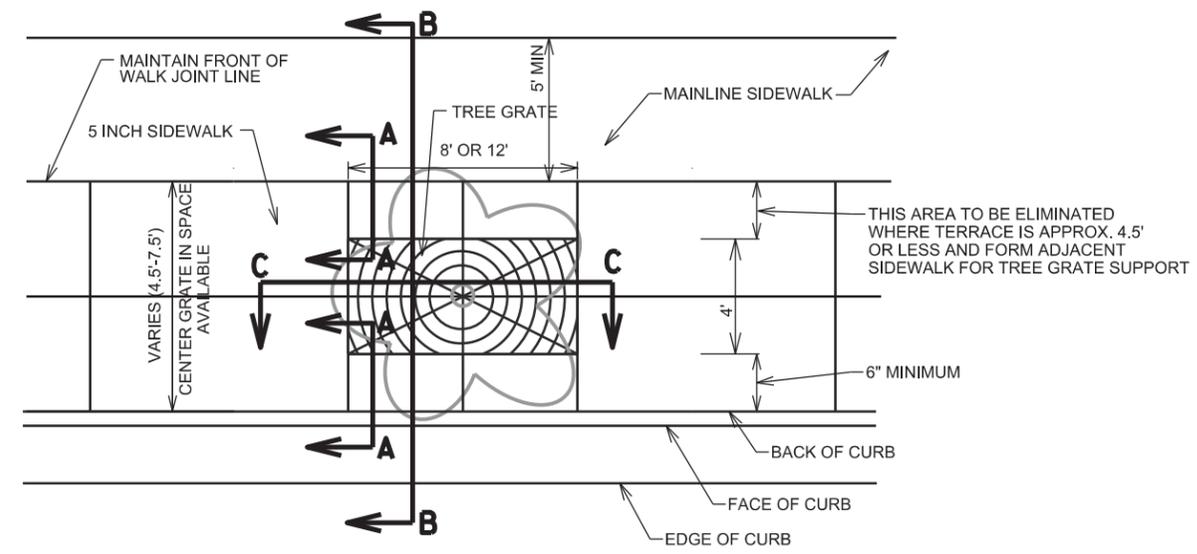
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN VIEW  
TREE GRATE INSTALLATION DETAIL

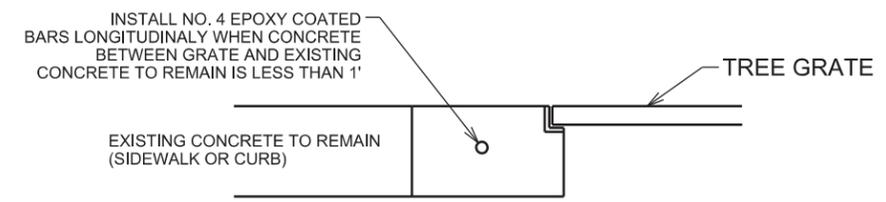
NOT TO SCALE



- NOTES:
1. TREE GRATE LOCATIONS TO BE VERIFIED WITH ENGINEER
  2. VERIFY JOINT PATTERN WITH ENGINEER
  3. REFER TO S.D.D. 2.02 FOR BACKFILL DETAILS

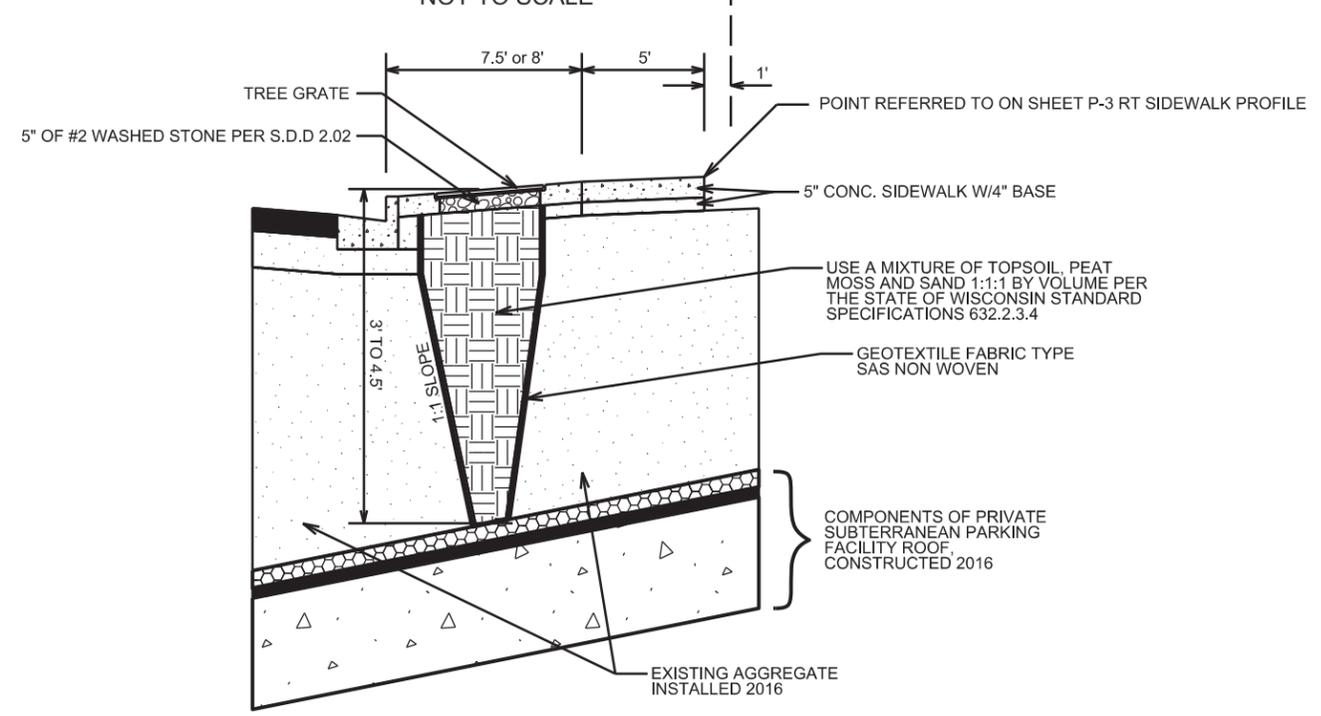
SECTION A-A  
REINFORCING FOR TREE GRATES WITHIN  
1' OR LESS OF EXISTING CONCRETE

NOT TO SCALE



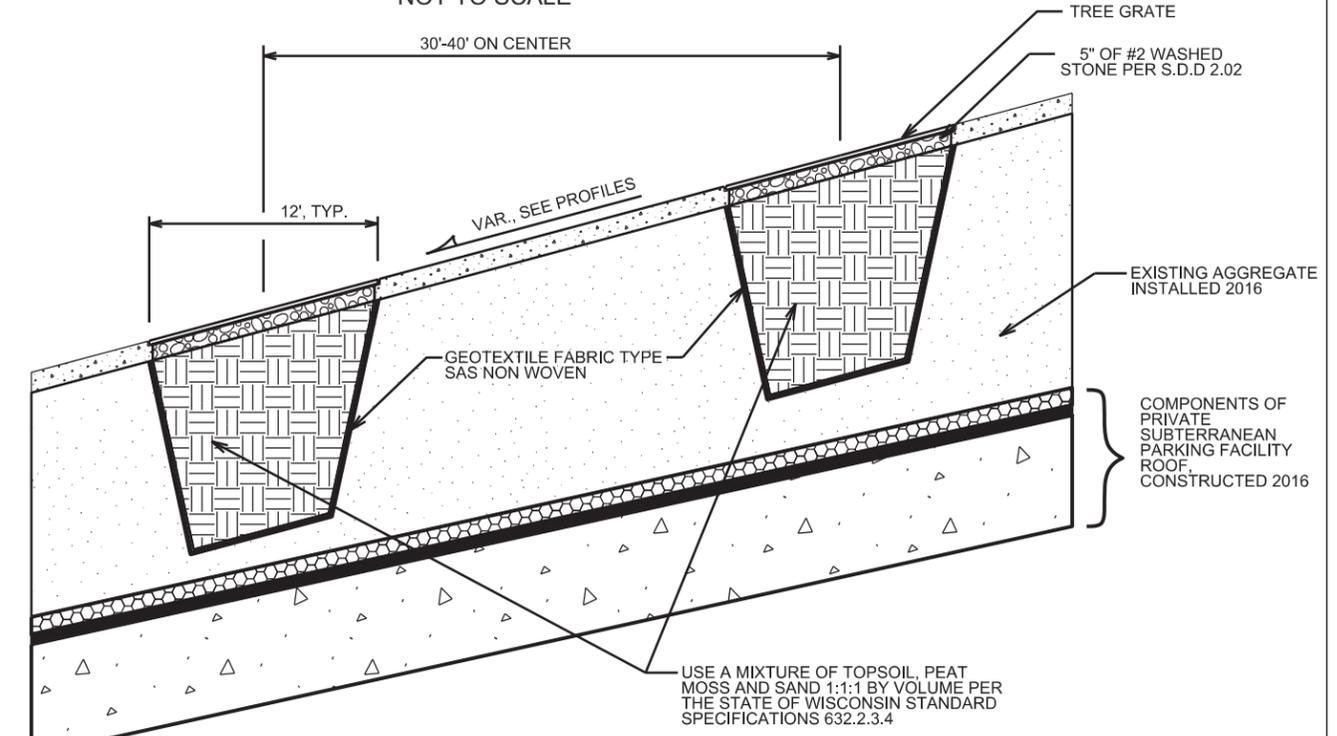
SECTION B-B  
CROSS SECTION FOR CARROLL ST. ONLY

NOT TO SCALE



SECTION C-C  
PROFILE SECTION FOR CARROLL ST. ONLY

NOT TO SCALE



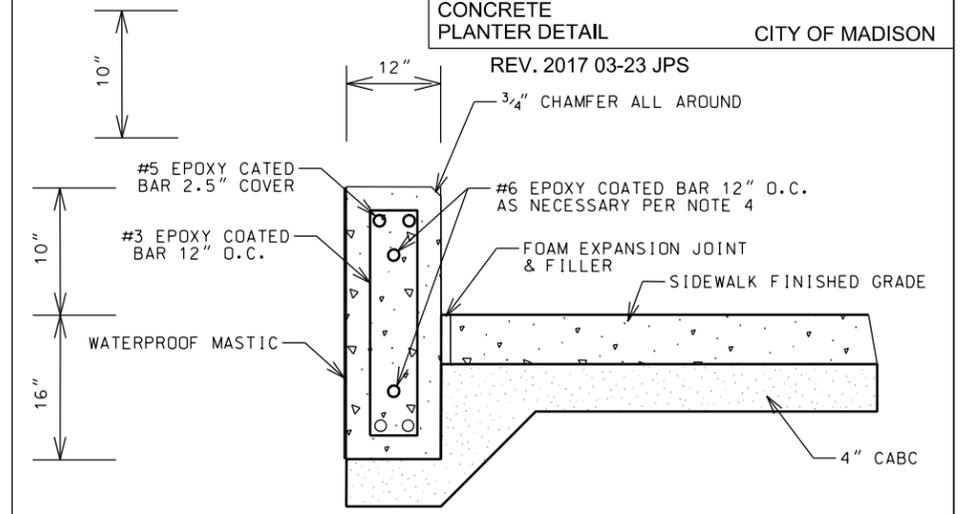
PLOT SCALE:

PLOT NAME:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DETAIL  
CONCRETE PLANTER DETAIL CITY OF MADISON

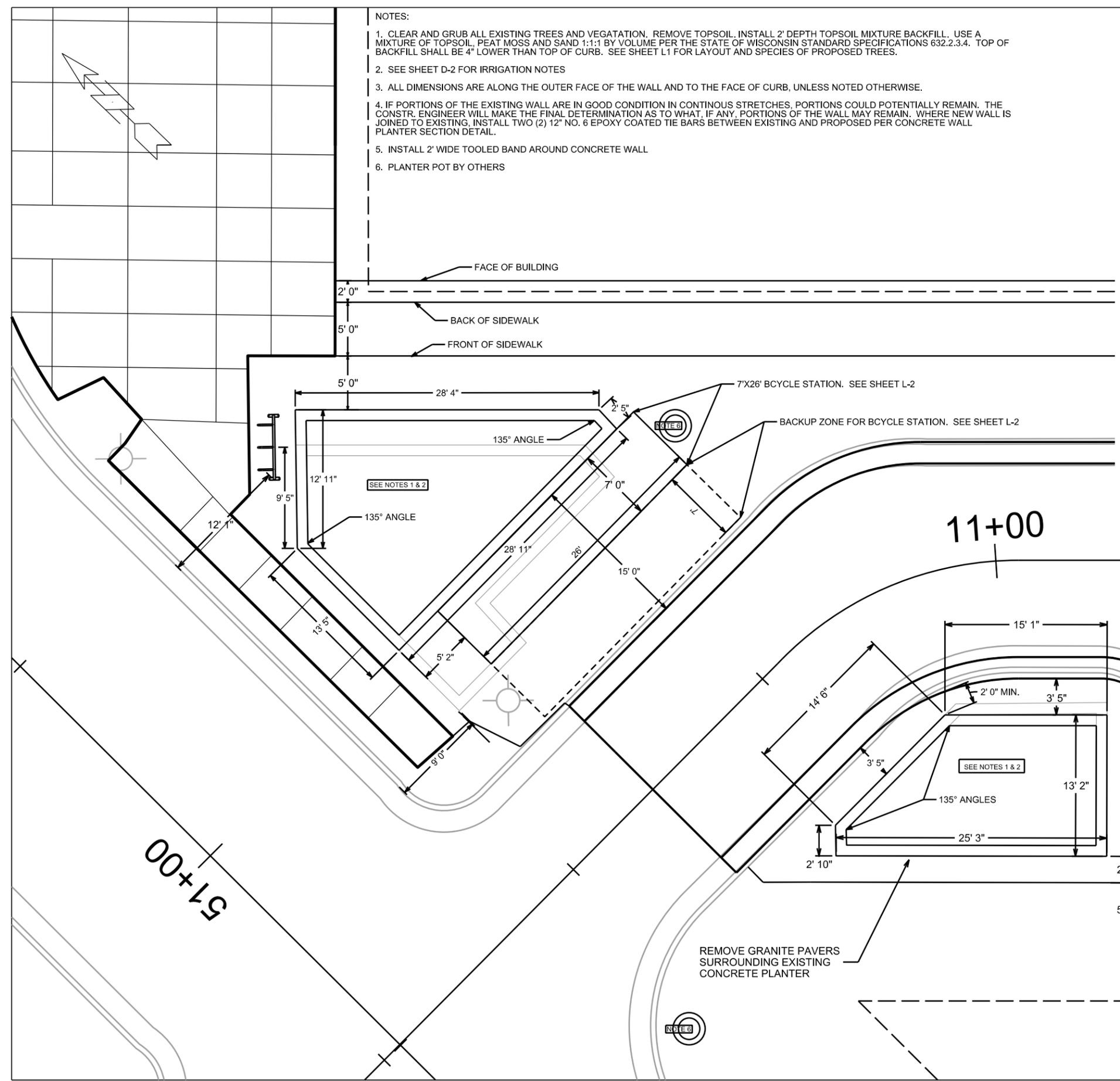
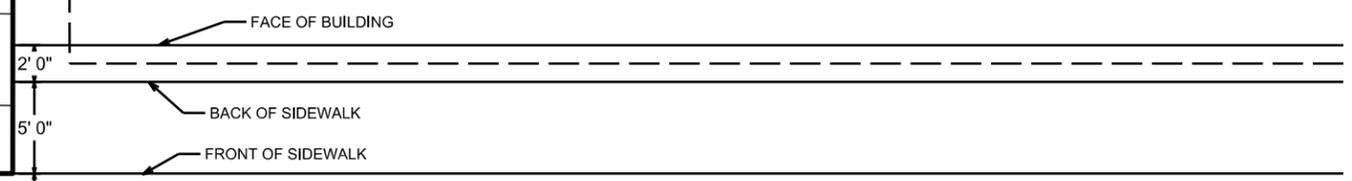
REV. 2017 03-23 JPS



- NOTE:
1. ALL VERTICAL AND HORIZONTAL CONCRETE EDGES AND EDGES AT EXPANSION JOINTS SHALL HAVE 3/4" CHAMFER.
  2. ALL EXPANSION AND CONTRACTION JOINTS TO RECEIVE FELT STRIP. ALL EXPOSED EXPANSION JOINTS TO BE CAULKED.

CONCRETE PLANTER WALL SECTION DETAIL

- NOTES:
1. CLEAR AND GRUB ALL EXISTING TREES AND VEGETATION. REMOVE TOPSOIL. INSTALL 2' DEPTH TOPSOIL MIXTURE BACKFILL. USE A MIXTURE OF TOPSOIL, PEAT MOSS AND SAND 1:1:1 BY VOLUME PER THE STATE OF WISCONSIN STANDARD SPECIFICATIONS 632.2.3.4. TOP OF BACKFILL SHALL BE 4" LOWER THAN TOP OF CURB. SEE SHEET L1 FOR LAYOUT AND SPECIES OF PROPOSED TREES.
  2. SEE SHEET D-2 FOR IRRIGATION NOTES
  3. ALL DIMENSIONS ARE ALONG THE OUTER FACE OF THE WALL AND TO THE FACE OF CURB, UNLESS NOTED OTHERWISE.
  4. IF PORTIONS OF THE EXISTING WALL ARE IN GOOD CONDITION IN CONTINUOUS STRETCHES, PORTIONS COULD POTENTIALLY REMAIN. THE CONSTR. ENGINEER WILL MAKE THE FINAL DETERMINATION AS TO WHAT, IF ANY, PORTIONS OF THE WALL MAY REMAIN. WHERE NEW WALL IS JOINED TO EXISTING, INSTALL TWO (2) 12" NO. 6 EPOXY COATED TIE BARS BETWEEN EXISTING AND PROPOSED PER CONCRETE WALL PLANTER SECTION DETAIL.
  5. INSTALL 2' WIDE TOOLED BAND AROUND CONCRETE WALL
  6. PLANTER POT BY OTHERS

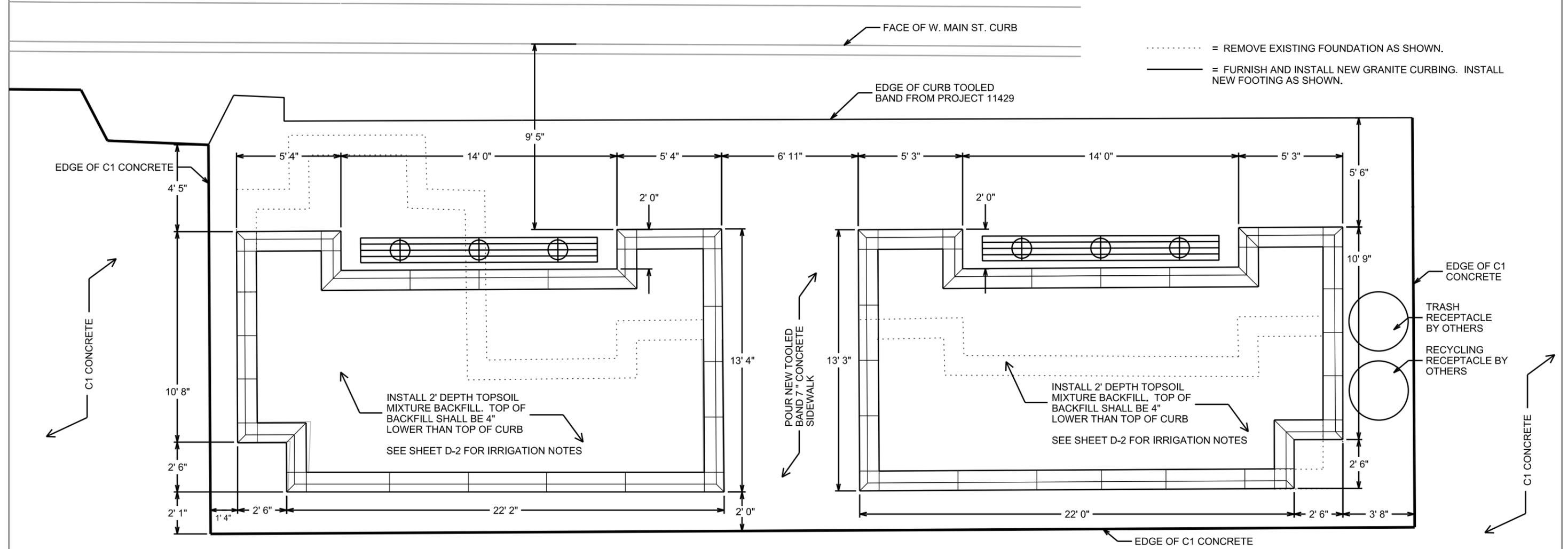
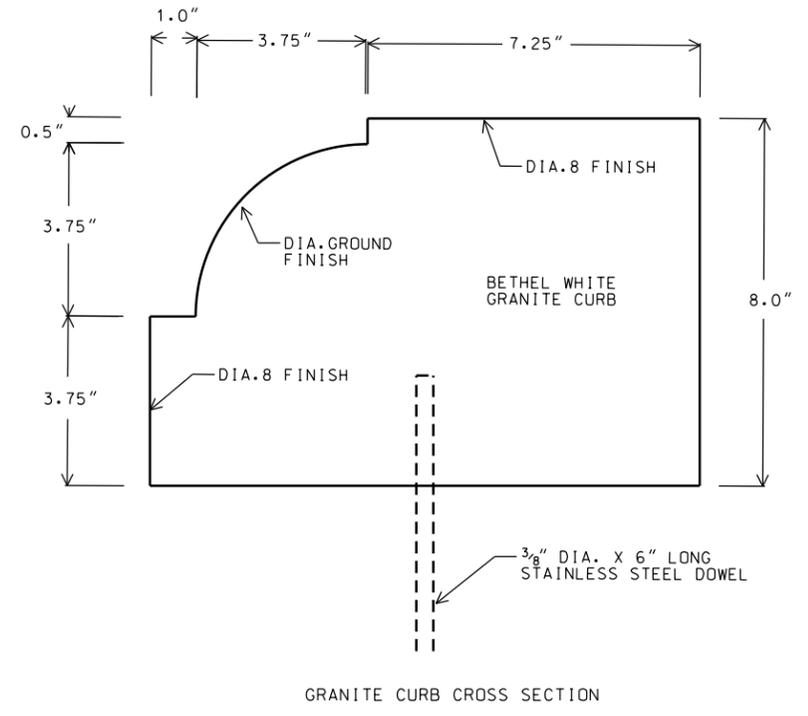
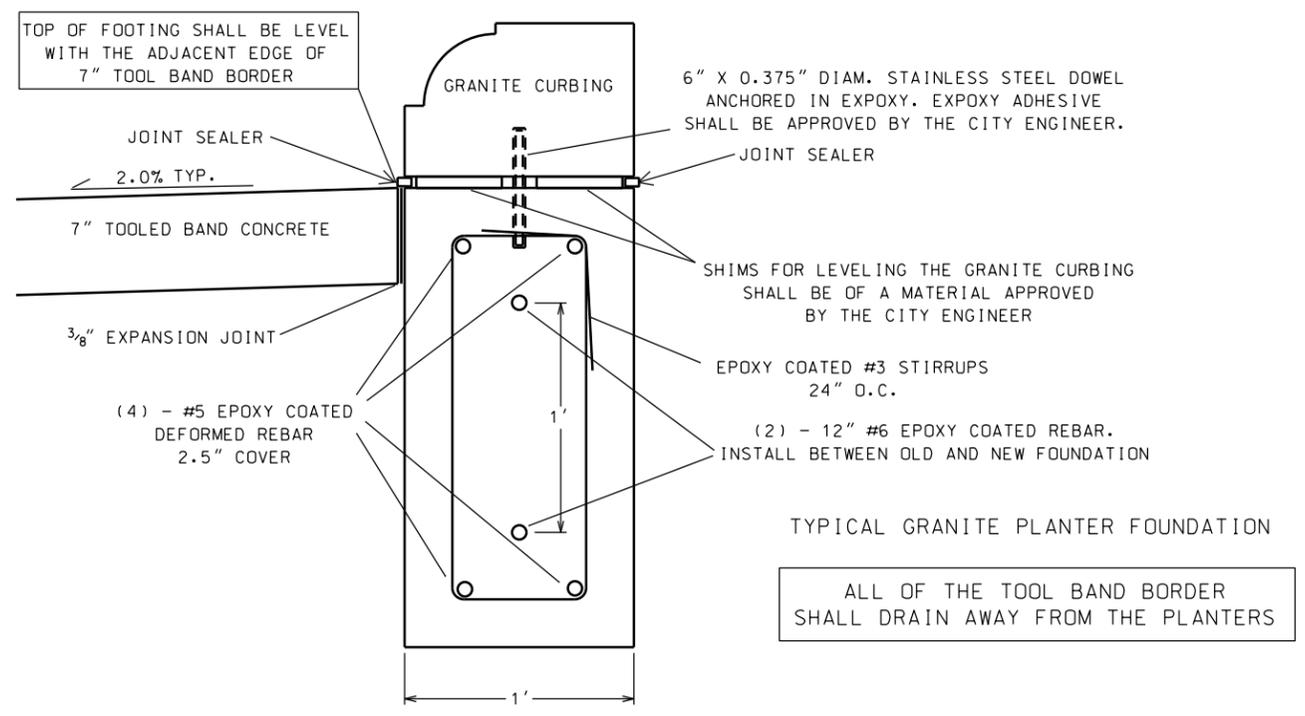


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PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. 2017 03-23 BJS

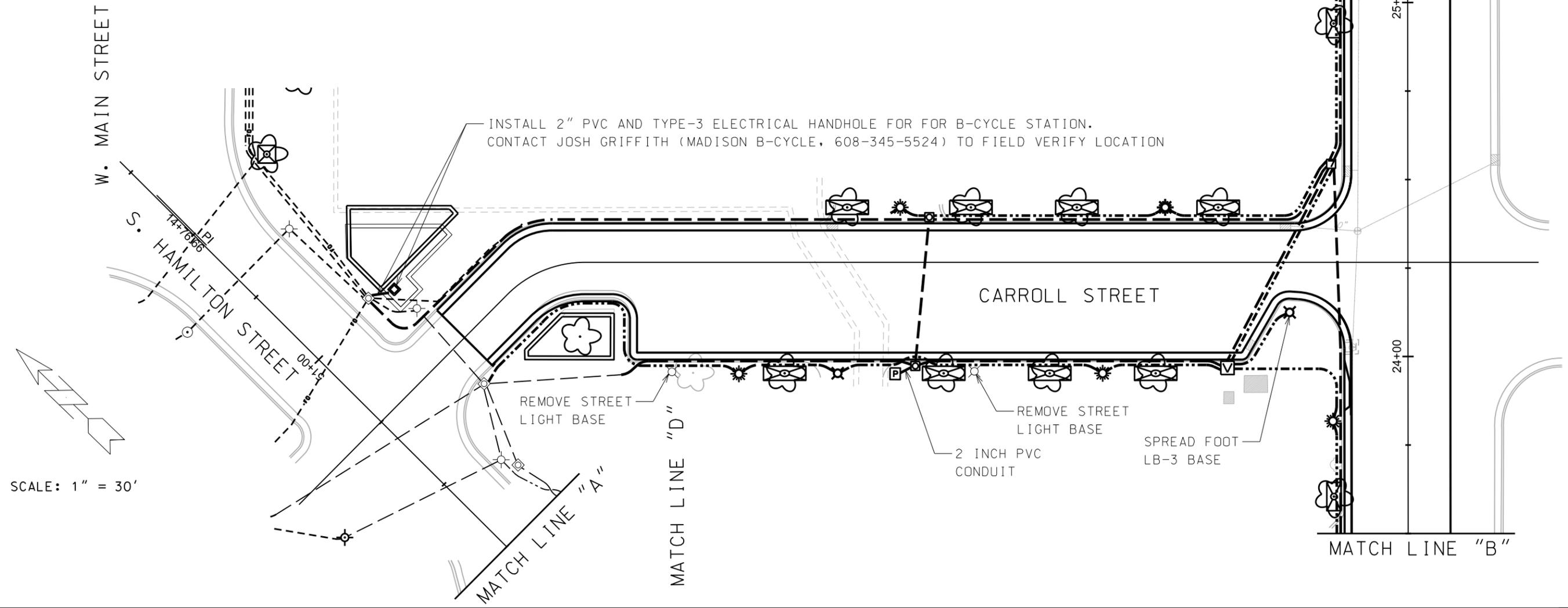
LEGEND

- PLACE STREET LIGHTING PVC CONDUIT, 2" UNLESS NOTED AS OTHER
- PLACE SIGNAL/COMMUNICATION PVC CONDUIT, 3" UNLESS NOTED AS OTHER
- EXISTING STREET LIGHTING CONDUIT
- EXISTING SIGNAL/COMMUNICATION CONDUIT
- FO- EXISTING CONDUIT WITH FIBER OPTIC CABLE
- ☐ CONSTRUCT ELECTRICAL HANDHOLE TYPE 1
- ☐ CONSTRUCT ELECTRICAL HANDHOLE TYPE 3
- ☐ CONSTRUCT ELECTRICAL HANDHOLE TYPE 5
- ☐ CONSTRUCT ELECTRICAL HANDHOLE TYPE 7
- ☐ CONSTRUCT BASE FOR MULTISPACE PARKING METER
- ☀ CONSTRUCT LB-1 BASE
- ☀ CONSTRUCT LB-3 BASE (UNLESS NOTES AS OTHER)
- ☀ EXISTING STREET LIGHT POLE/BASE
- ☀ EXISTING TRAFFIC SIGNAL POLE/BASE
- ☐ EXISTING ELECTRICAL HANDHOLE

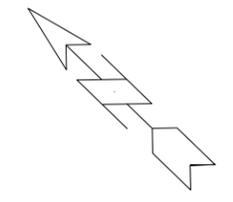
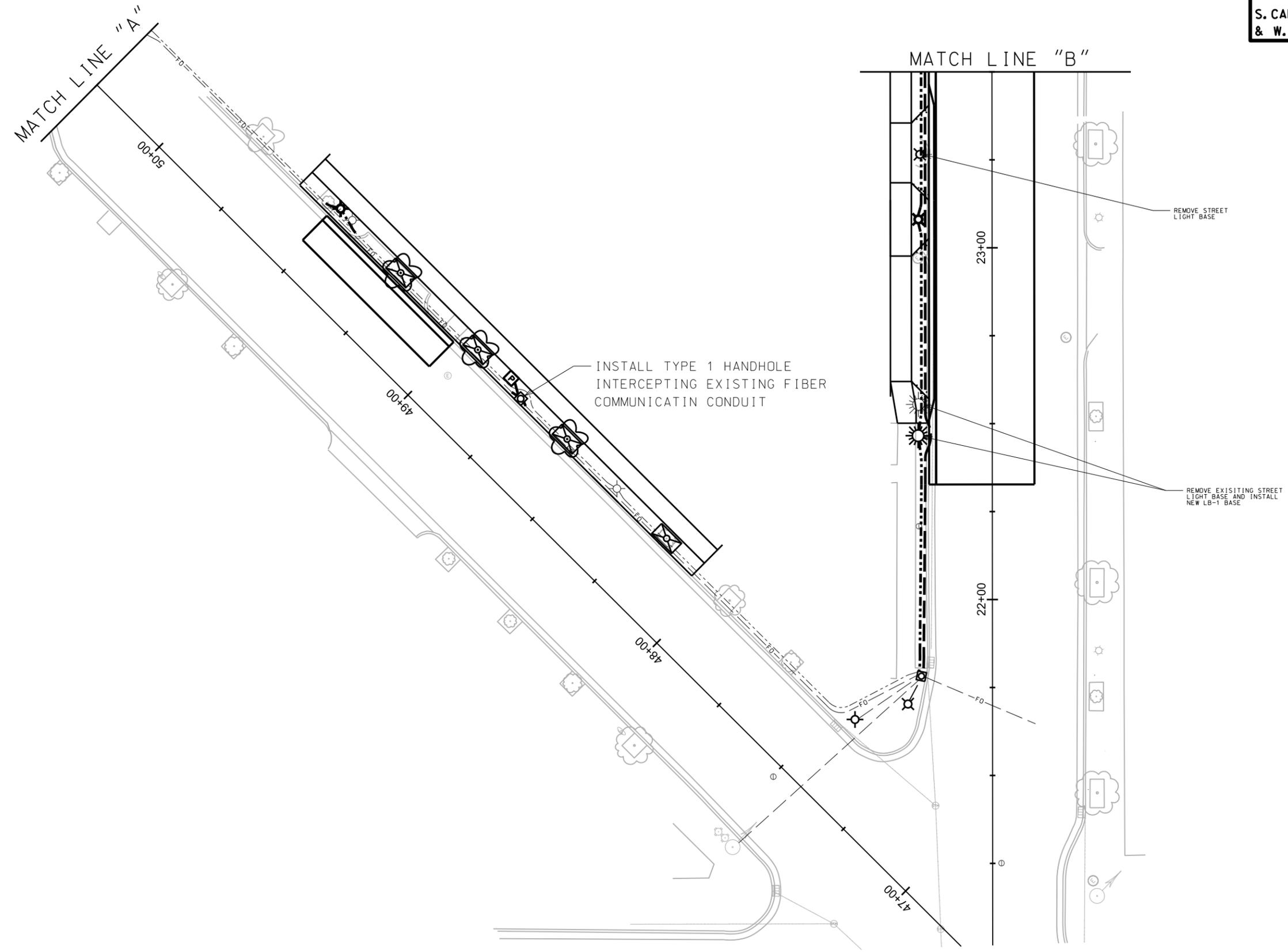
GENERAL ELECTRICAL NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY BRIAN SMITH (261-9625) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2016 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.
3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES, SETTING HANDHOLES, OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
4. ALL EXISTING CONDUITS ARE TO REMAIN UNLESS AND UNTIL AUTHORIZED TO REMOVE BY TRAFFIC ENGINEERING.
5. 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.

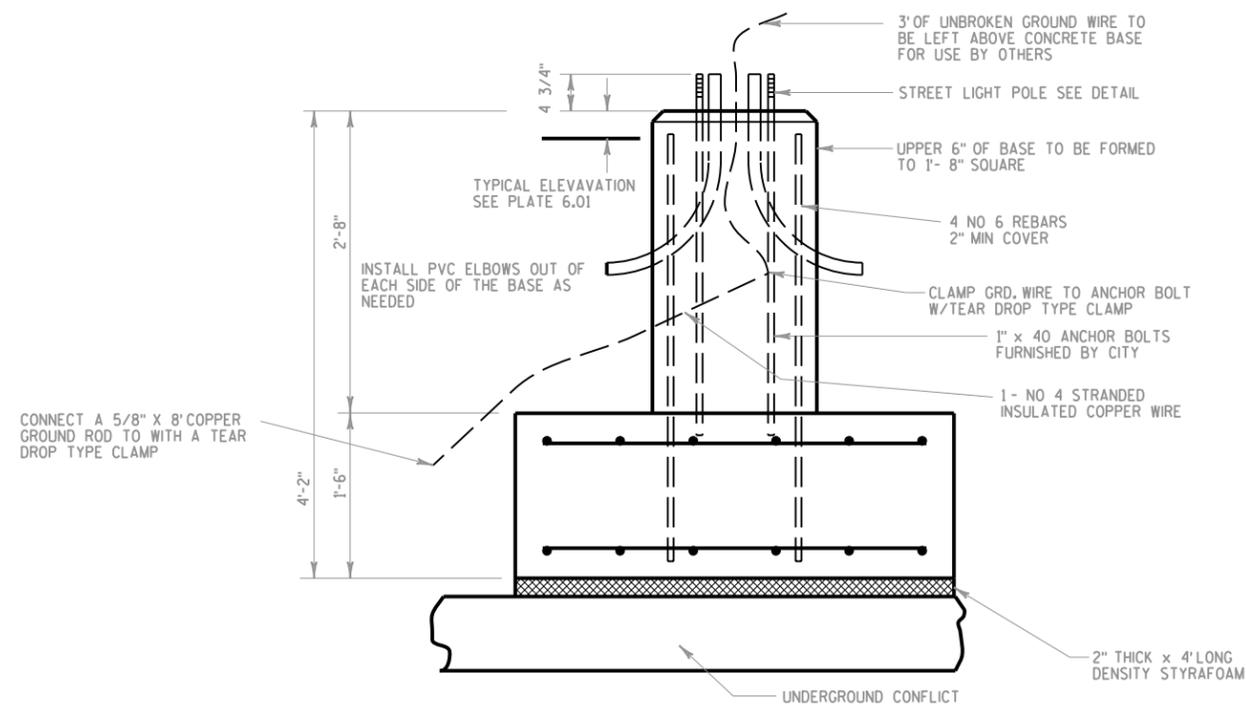
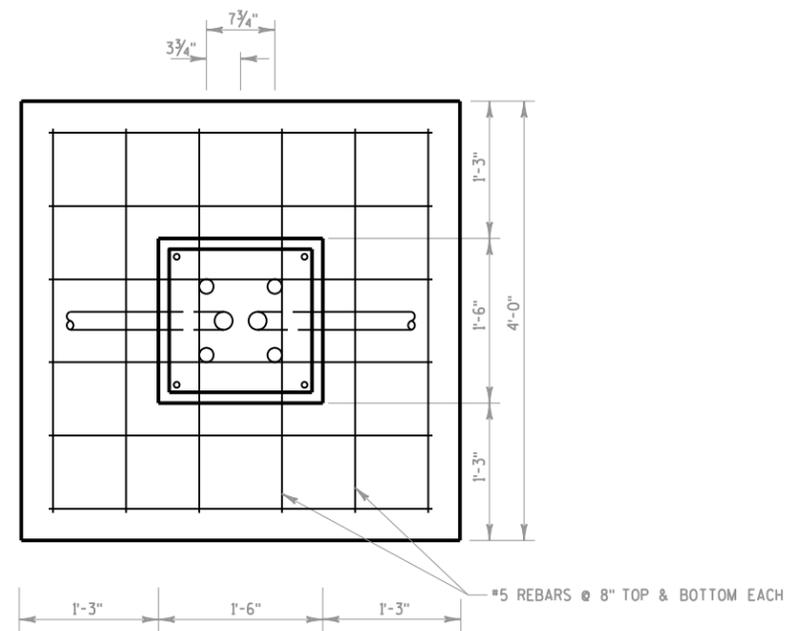
3/4" x 24" ANCHOR BOLTS: 24  
 1" x 40" ANCHOR BOLTS: 20



REV. 2017 03-23 BJS



SCALE: 1" = 30'



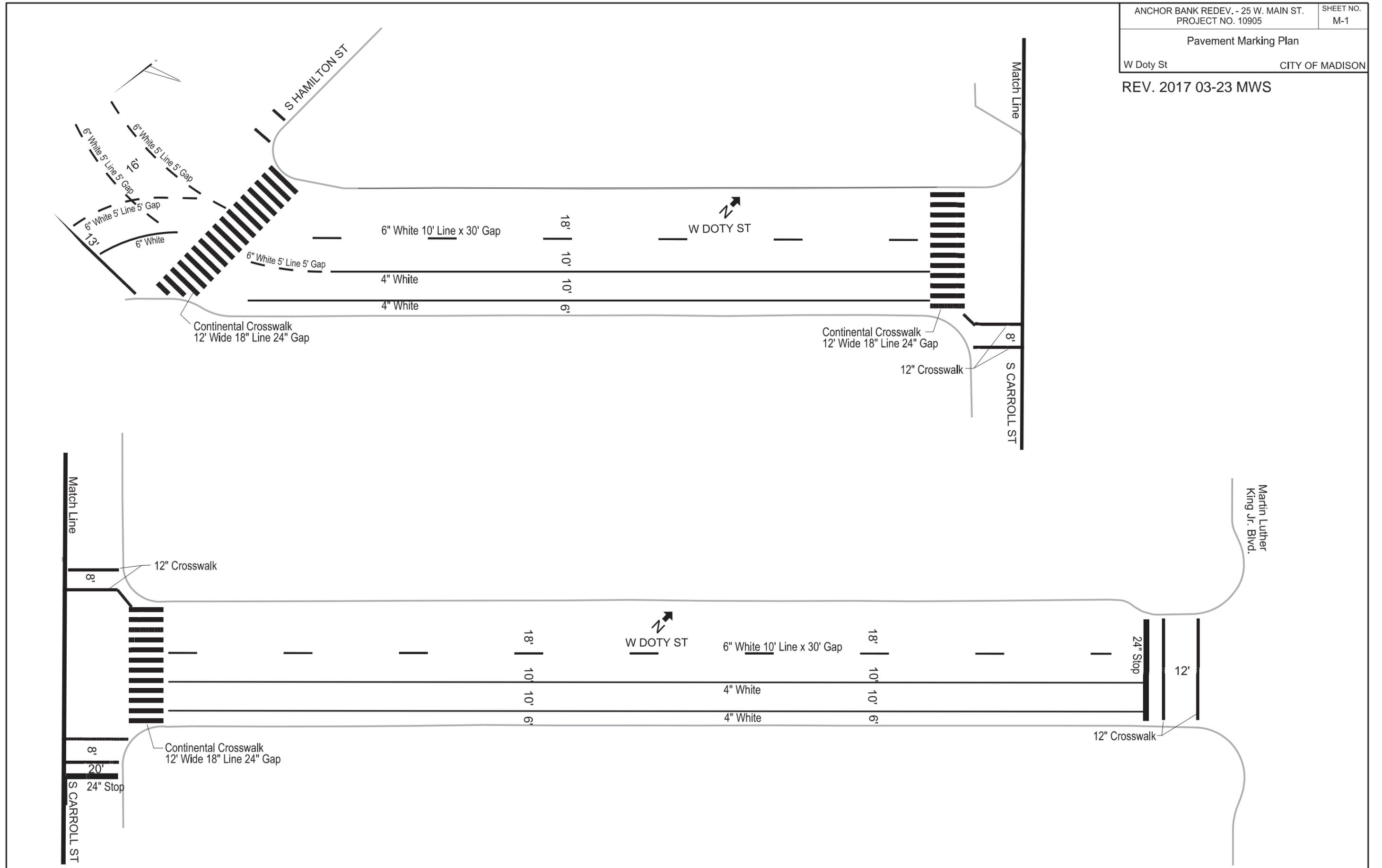
SPREAD FOOT LB-3 BASE

Pavement Marking Plan

W Doty St CITY OF MADISON

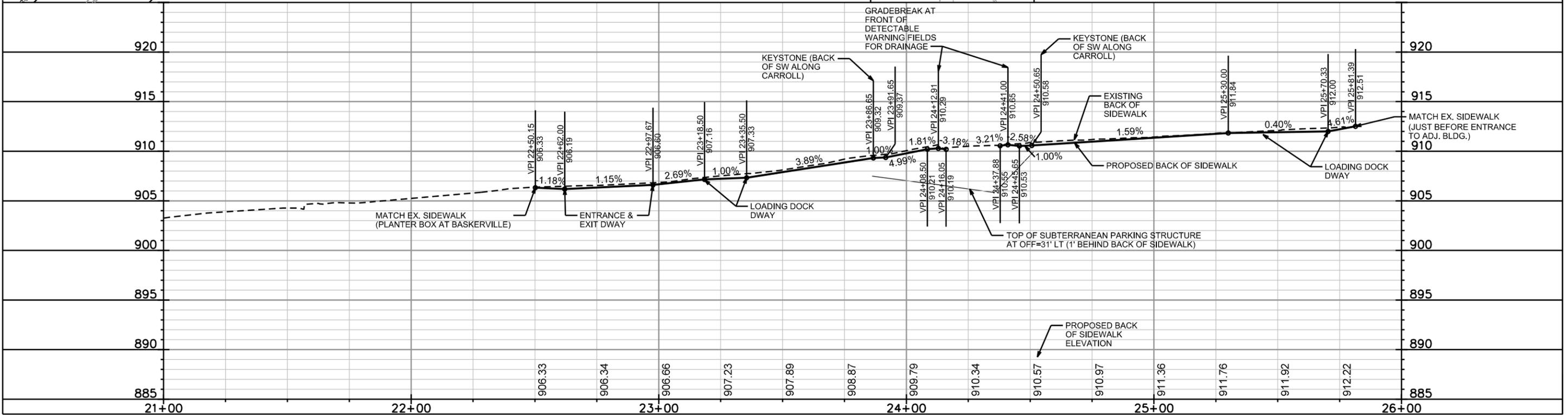
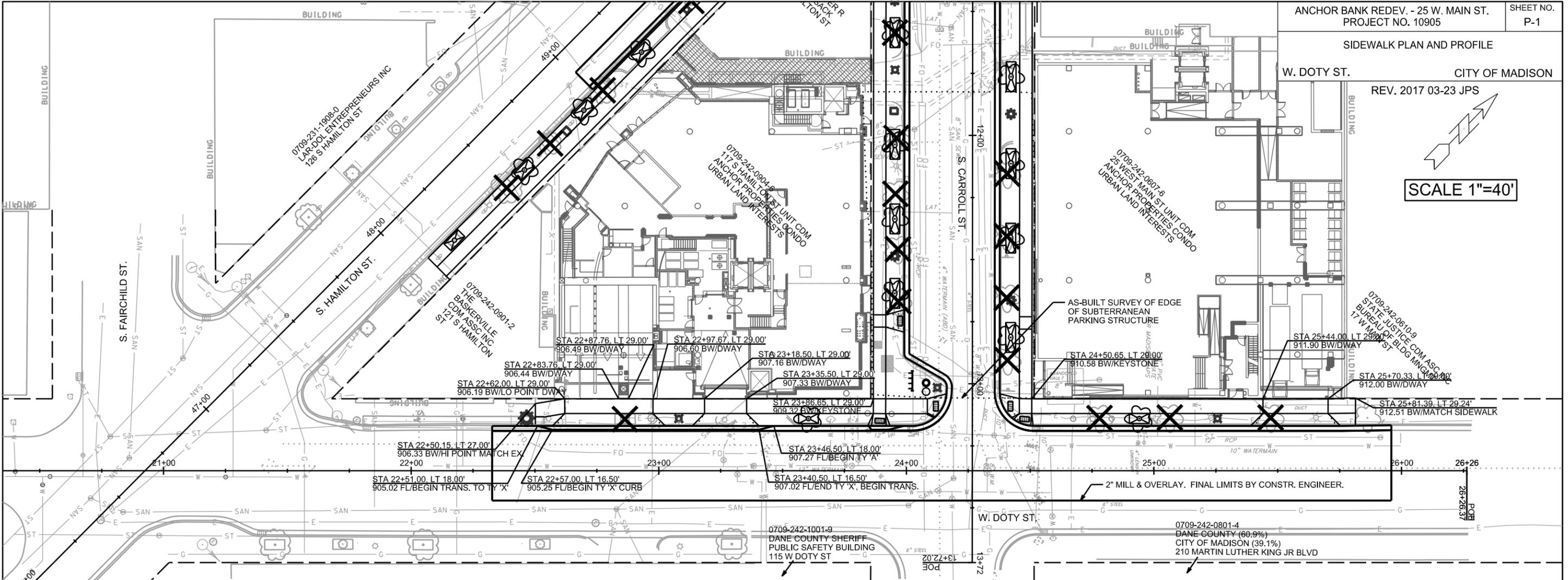
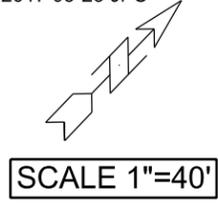
REV. 2017 03-23 MWS

PLOT SCALE:  
PLOT NAME:  
REV. DATE:  
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



SIDEWALK PLAN AND PROFILE

W. DOTY ST. CITY OF MADISON  
REV. 2017 03-23 JPS



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SCALE 1"=20'

0709-231-1908-0  
LAR-DOL ENTREPRENEURS INC  
126 S HAMILTON ST

0709-231-1903-0  
CRANDALL BUILDING LLC  
115 W MAIN ST

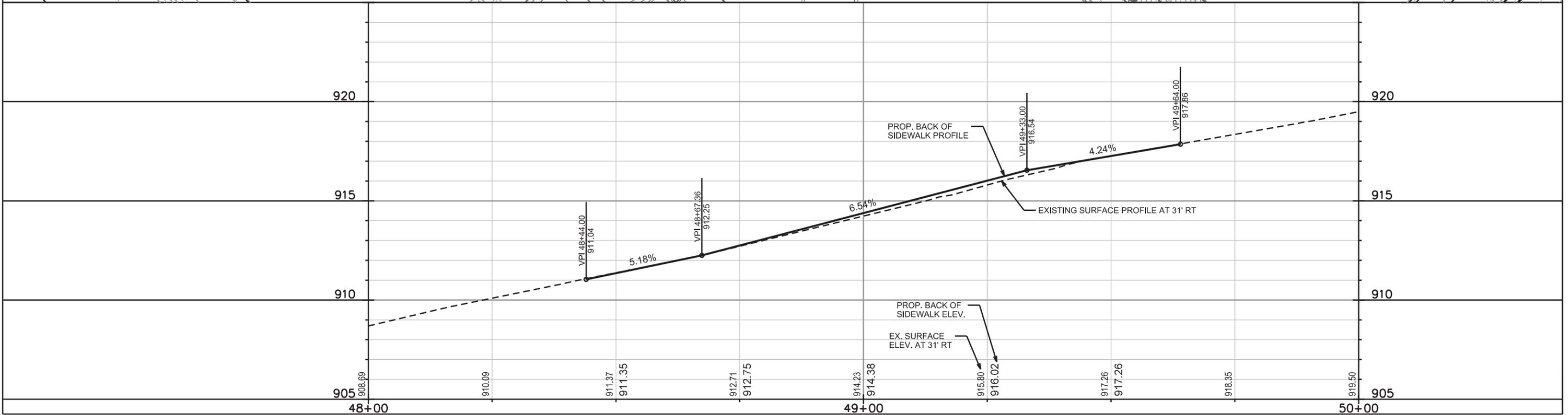
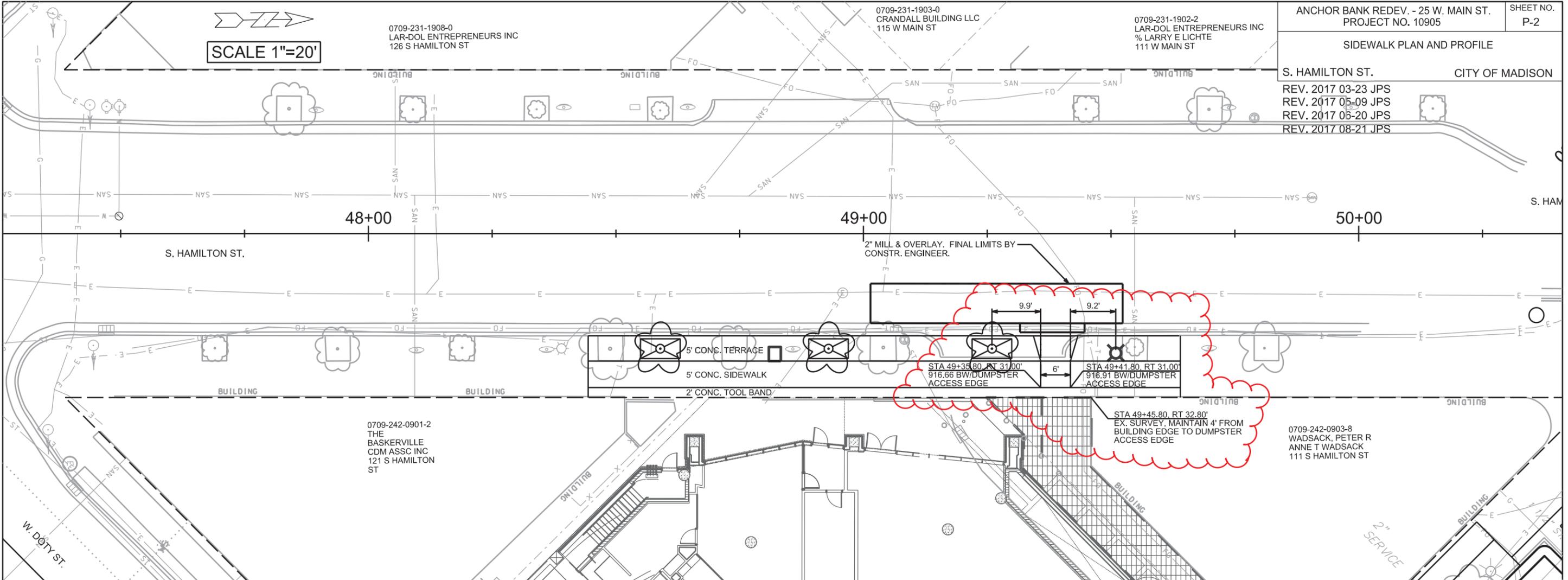
0709-231-1902-2  
LAR-DOL ENTREPRENEURS INC  
% LARRY E LICHTER  
111 W MAIN ST

ANCHOR BANK REDEV. - 25 W. MAIN ST.  
PROJECT NO. 10905

SHEET NO.  
P-2

SIDWALK PLAN AND PROFILE

S. HAMILTON ST. CITY OF MADISON  
REV. 2017 03-23 JPS  
REV. 2017 05-09 JPS  
REV. 2017 06-20 JPS  
REV. 2017 08-21 JPS

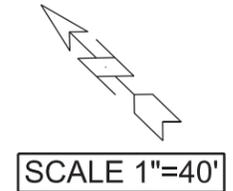


PLOT SCALE: \_\_\_\_\_

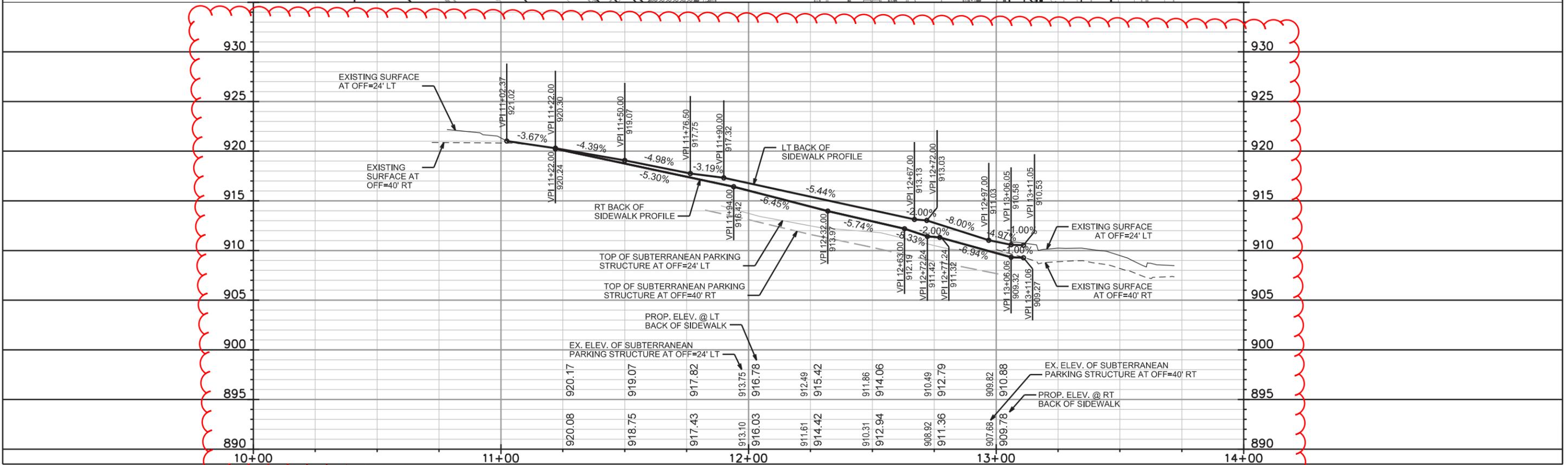
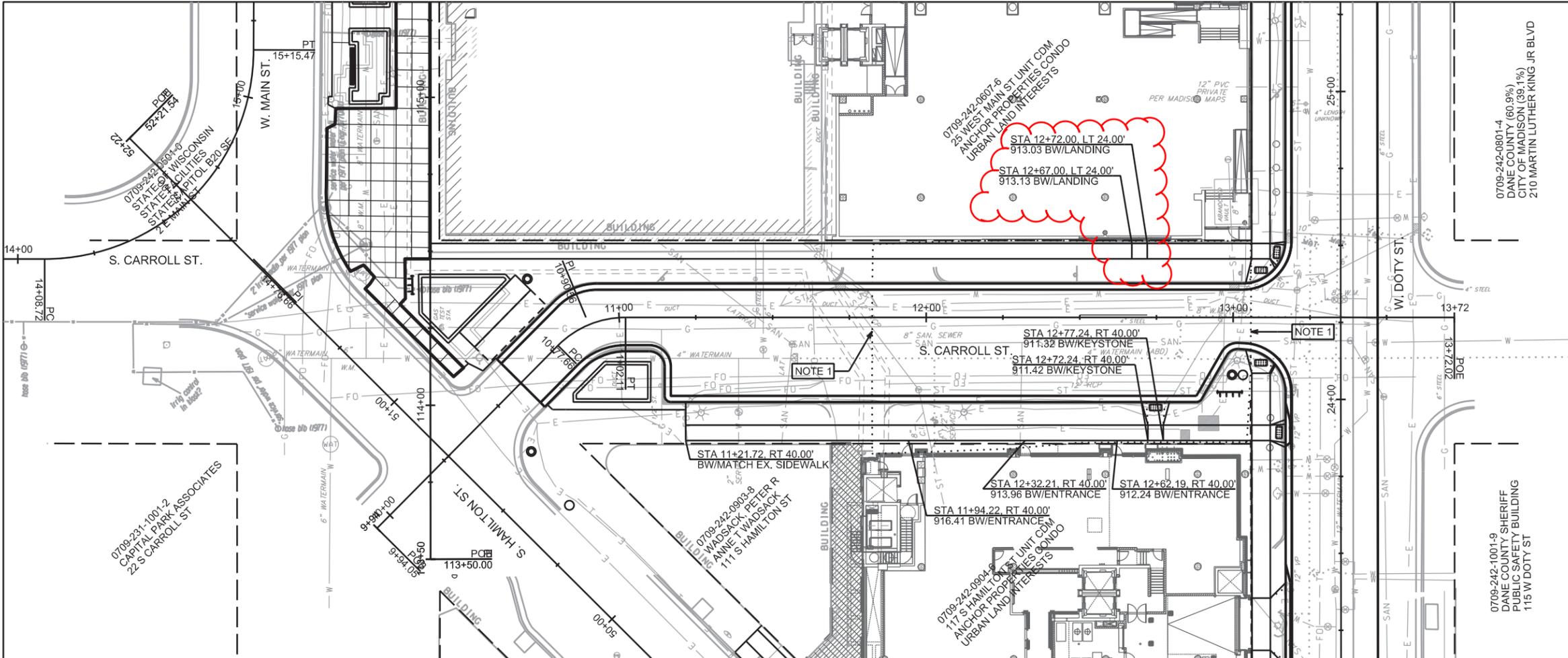
PLOT NAME: \_\_\_\_\_

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



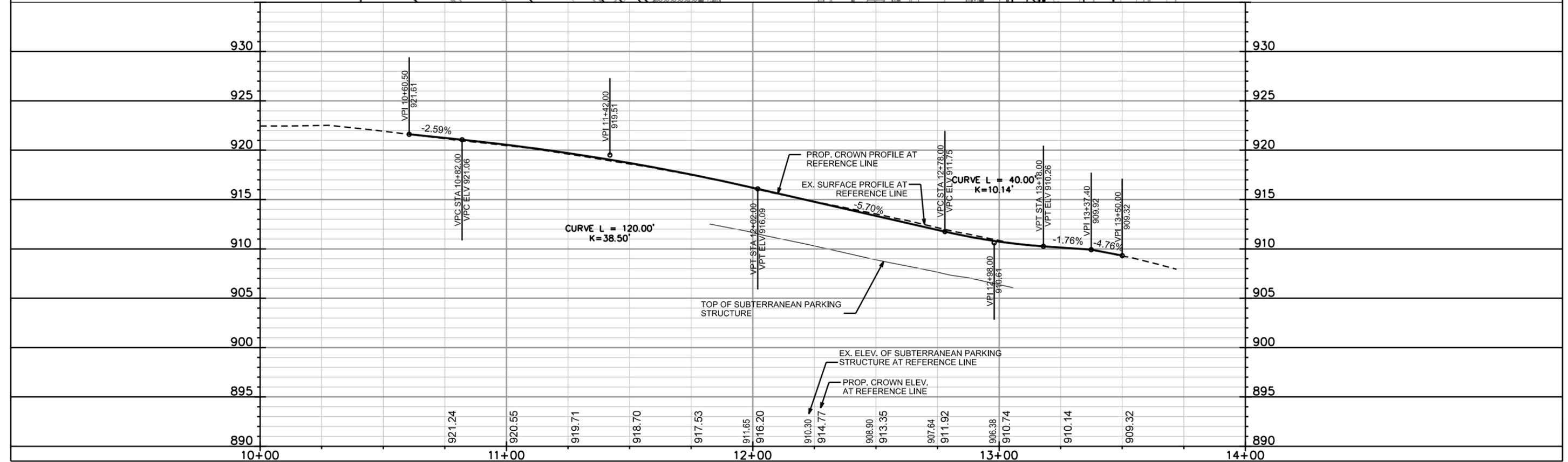
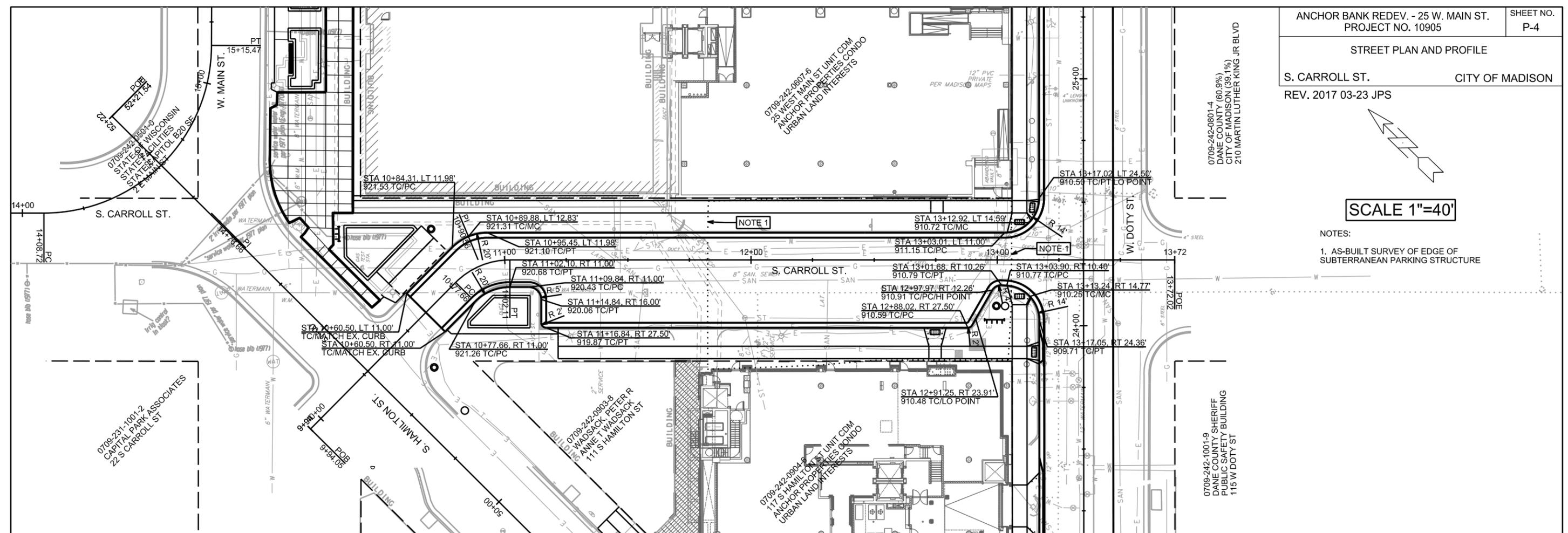
NOTES:  
1. AS-BUILT SURVEY OF EDGE OF SUBTERRANEAN PARKING STRUCTURE



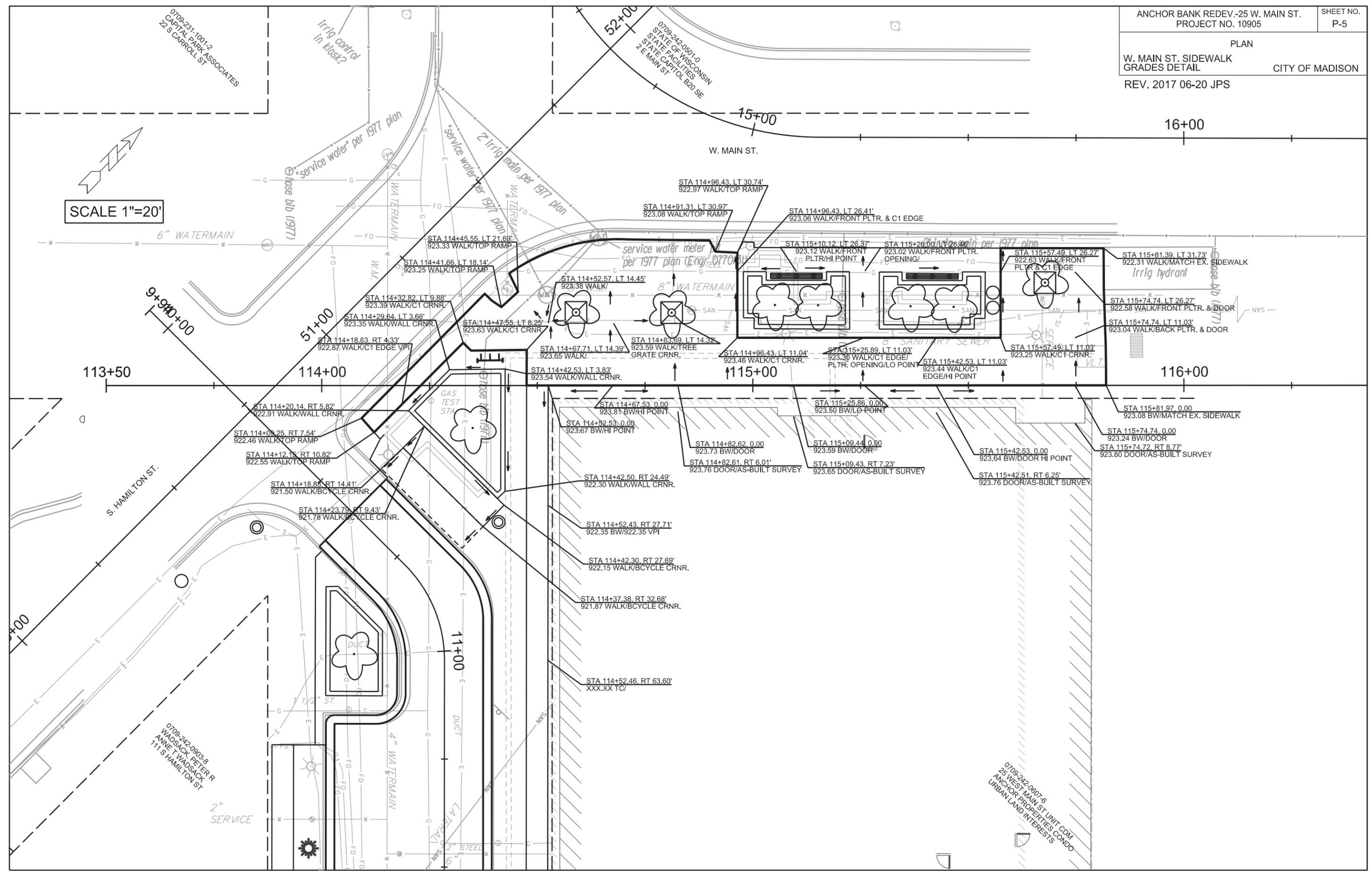
PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SCALE 1"=40'

NOTES:  
1. AS-BUILT SURVEY OF EDGE OF SUBTERRANEAN PARKING STRUCTURE



SCALE 1"=20'



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

PLAN  
LANDSCAPING & STREETSCAPE OVERVIEW CITY OF MADISON

REV. 2017 03-23 JPS  
REV. 2017 10-13 JPS

**2017 10-13 REVISION NOTES**  
-ADDED 4X12 GRATE AROUND EX. TREE AT STA 11+37 RT  
-DELETED TREE & GRATE AT STA 11+76 LT

NOTES:

- EXISTING TREE TO REMAIN. IF CITY FORESTRY DETERMINES THAT THE TREE NEEDS REPLACEMENT, FORESTRY WILL SELECT SPECIES AND LOCATION.
- EXISTING TREE TO REMAIN BUT REPLACE FRAME AND GRATE WITH 4'X12' NEENAH R-8815 FRAME AND GRATE.
- SEE SHEETS E1-E3 FOR ELECTRICAL PLAN
- AS-BUILT SURVEY OF EDGE OF SUBTERRANEAN PARKING STRUCTURE
- ALL DIMENSIONS ARE TO CENTER OF TREES, PEDESTRIAN LIGHT POLES, AND STREET LIGHTS POLES; OR CORNER OF RIGHT OF WAY; OR EDGE OF DRIVEWAY.
- 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 DEAN KAHL WITH CITY FORESTRY AT 266-4816 PRIOR TO EXCAVATION TO ASSESS THE IMPACT OF 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.
- CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO THE INSTALLATION OF THE TREE GRATES TO MARK THE PLANTING SITES.
- CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO REVIEW THE PLANTING SITES, INSPECT NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS.
- TREE GRATES SHALL ALL BE ADA COMPLIANT, CAST IRON PER ASTM A58 OR CLASS 35B OR BETTER, AND RAW CAST GREY IRON. PROVIDE ANGLE FRAME AND REBAR. SEE SHEET D5 FOR TREE GRATE DETAIL AND S.D.D. 2.02 FOR PLANTING TECHNIQUES.
- SEE SHEET D-2 IRRIGATION NOTES FOR DETAILS OF IRRIGATION DESIGN AND INSTALLATION PROCEDURE
- PROP. BIKE RACK. RACKS SHALL BE CAPACITY SHOWN ON PLANS AND SINGLED SIDED. CAPACITY DETERMINED BY NUMBER OF LOOPED DOWN BRACKETS. COLOR TO MATCH "SIGNAL BLACK" RAL9004. ACCEPTABLE RACKS ARE: DERO BIKE RACK COMPANY CAMPUS BIKE RACK, 221 ARTHUR AVENUE SE, MINNEAPOLIS, MN 55414, (888) 337-6729 AND OVERTURE BIKE RACK, TOMAS STEELE, 2700 LAURA LANE, MIDDLETON, WI 53562, (608) 831-9040. INSTALL BIKE RACKS WITH STAINLESS STEEL BOLT AND ANCHOR SYSTEM PER MANUFACTURER'S INSTRUCTIONS.

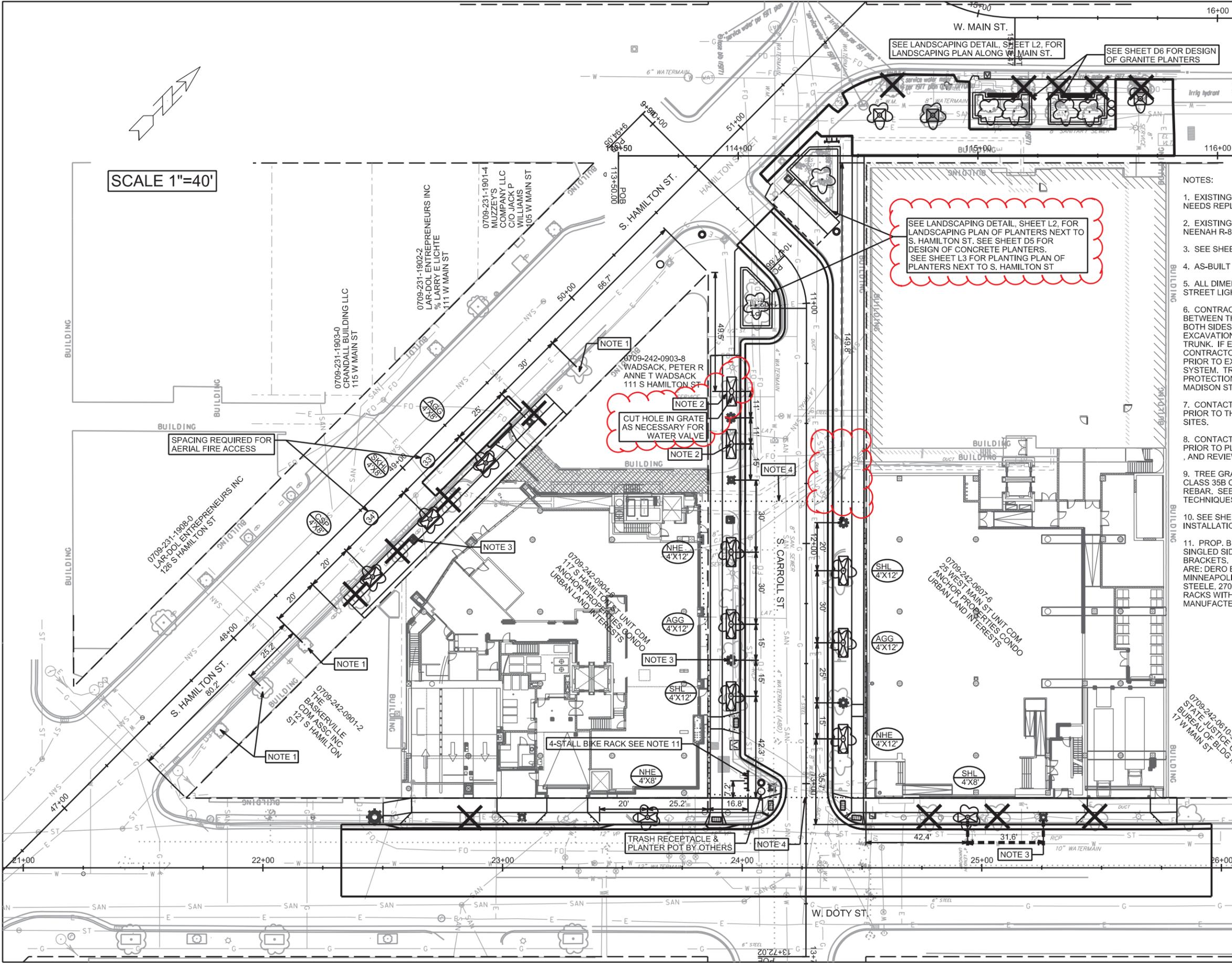
TREE SPECIES KEY

- AGG = 'AUTUMN GOLD' GINKGO
- CSP = 'CLEVELAND SELECT' PEAR
- NHE = 'NEW HORIZON' ELM
- SHL = 'SKYLINE' HONEYLOCUST
- SKHL = 'STREET KEEPER' HONEYLOCUST
- X = REMOVE TREE

TREE GRATES KEY

- 4'X8' = NEENAH R-8815-A FRAME AND GRATE
- 4'X12' = NEENAH R-8815 FRAME AND GRATE
- 5'X5' = NEENAH R-8713 FRAME AND GRATE

SCALE 1"=40'



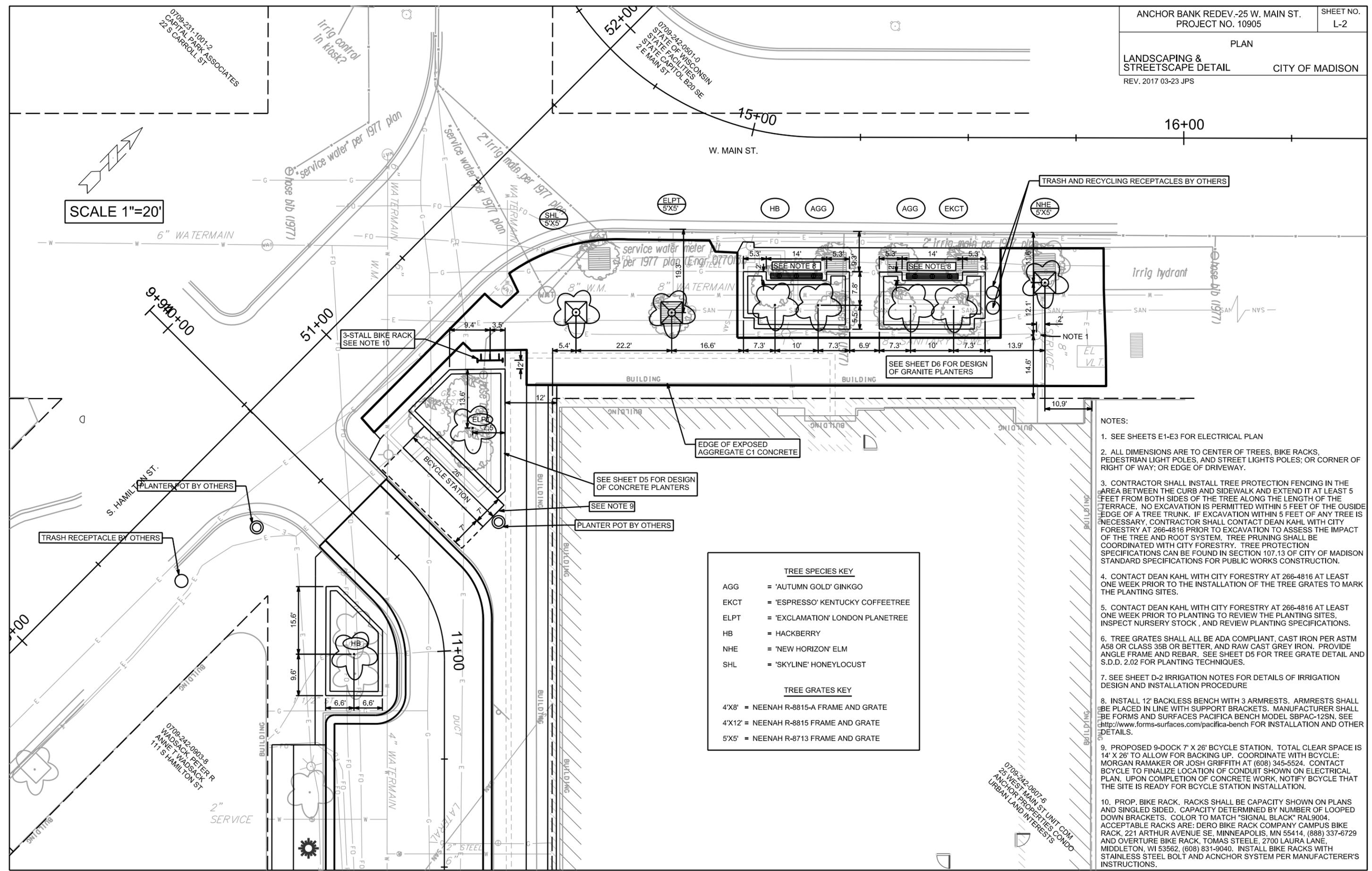
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SCALE 1"=20'



- NOTES:
- SEE SHEETS E1-E3 FOR ELECTRICAL PLAN
  - ALL DIMENSIONS ARE TO CENTER OF TREES, BIKE RACKS, PEDESTRIAN LIGHT POLES, AND STREET LIGHTS POLES; OR CORNER OF RIGHT OF WAY; OR EDGE OF DRIVEWAY.
  - 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 DEAN KAHL WITH CITY FORESTRY AT 266-4816 PRIOR TO EXCAVATION TO ASSESS THE IMPACT OF 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.
  - CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO THE INSTALLATION OF THE TREE GRATES TO MARK THE PLANTING SITES.
  - CONTACT DEAN KAHL WITH CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING TO REVIEW THE PLANTING SITES, INSPECT NURSERY STOCK, AND REVIEW PLANTING SPECIFICATIONS.
  - TREE GRATES SHALL ALL BE ADA COMPLIANT, CAST IRON PER ASTM A58 OR CLASS 35B OR BETTER, AND RAW CAST GREY IRON. PROVIDE ANGLE FRAME AND REBAR. SEE SHEET D5 FOR TREE GRATE DETAIL AND S.D.D. 2.02 FOR PLANTING TECHNIQUES.
  - SEE SHEET D-2 IRRIGATION NOTES FOR DETAILS OF IRRIGATION DESIGN AND INSTALLATION PROCEDURE
  - INSTALL 12' BACKLESS BENCH WITH 3 ARMRESTS. ARMRESTS SHALL BE PLACED IN LINE WITH SUPPORT BRACKETS. MANUFACTURER SHALL BE FORMS AND SURFACES PACIFICA BENCH MODEL SBPAC-12SN. SEE <http://www.forms-surfaces.com/pacifica-bench> FOR INSTALLATION AND OTHER DETAILS.
  - PROPOSED 9-DOCK 7' X 26' BICYCLE STATION. TOTAL CLEAR SPACE IS 14' X 26' TO ALLOW FOR BACKING UP. COORDINATE WITH BICYCLE: MORGAN RAMAKER OR JOSH GRIFFITH AT (608) 345-5524. CONTACT BICYCLE TO FINALIZE LOCATION OF CONDUIT SHOWN ON ELECTRICAL PLAN. UPON COMPLETION OF CONCRETE WORK, NOTIFY BICYCLE THAT THE SITE IS READY FOR BICYCLE STATION INSTALLATION.
  - PROP. BIKE RACK. RACKS SHALL BE CAPACITY SHOWN ON PLANS AND SINGLED SIDED. CAPACITY DETERMINED BY NUMBER OF LOOPED DOWN BRACKETS. COLOR TO MATCH "SIGNAL BLACK" RAL9004. ACCEPTABLE RACKS ARE: DERO BIKE RACK COMPANY CAMPUS BIKE RACK, 221 ARTHUR AVENUE SE, MINNEAPOLIS, MN 55414, (888) 337-6729 AND OVERTURE BIKE RACK, TOMAS STEELE, 2700 LAURA LANE, MIDDLETON, WI 53562, (608) 831-9040. INSTALL BIKE RACKS WITH STAINLESS STEEL BOLT AND ANCHOR SYSTEM PER MANUFACTURER'S INSTRUCTIONS.

**TREE SPECIES KEY**

AGG	= 'AUTUMN GOLD' GINKGO
EKCT	= 'ESPRESSO' KENTUCKY COFFEETREE
ELPT	= 'EXCLAMATION' LONDON PLANETREE
HB	= HACKBERRY
NHE	= 'NEW HORIZON' ELM
SHL	= 'SKYLINE' HONEYLOCUST

**TREE GRATES KEY**

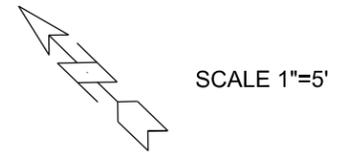
4'X8'	= NEENAH R-8815-A FRAME AND GRATE
4'X12'	= NEENAH R-8815 FRAME AND GRATE
5'X5'	= NEENAH R-8713 FRAME AND GRATE

PLOT SCALE: 20,000 sf / In.

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\10905\Streets\Design\10905EN-L2\_LandscapingDetail.dgn

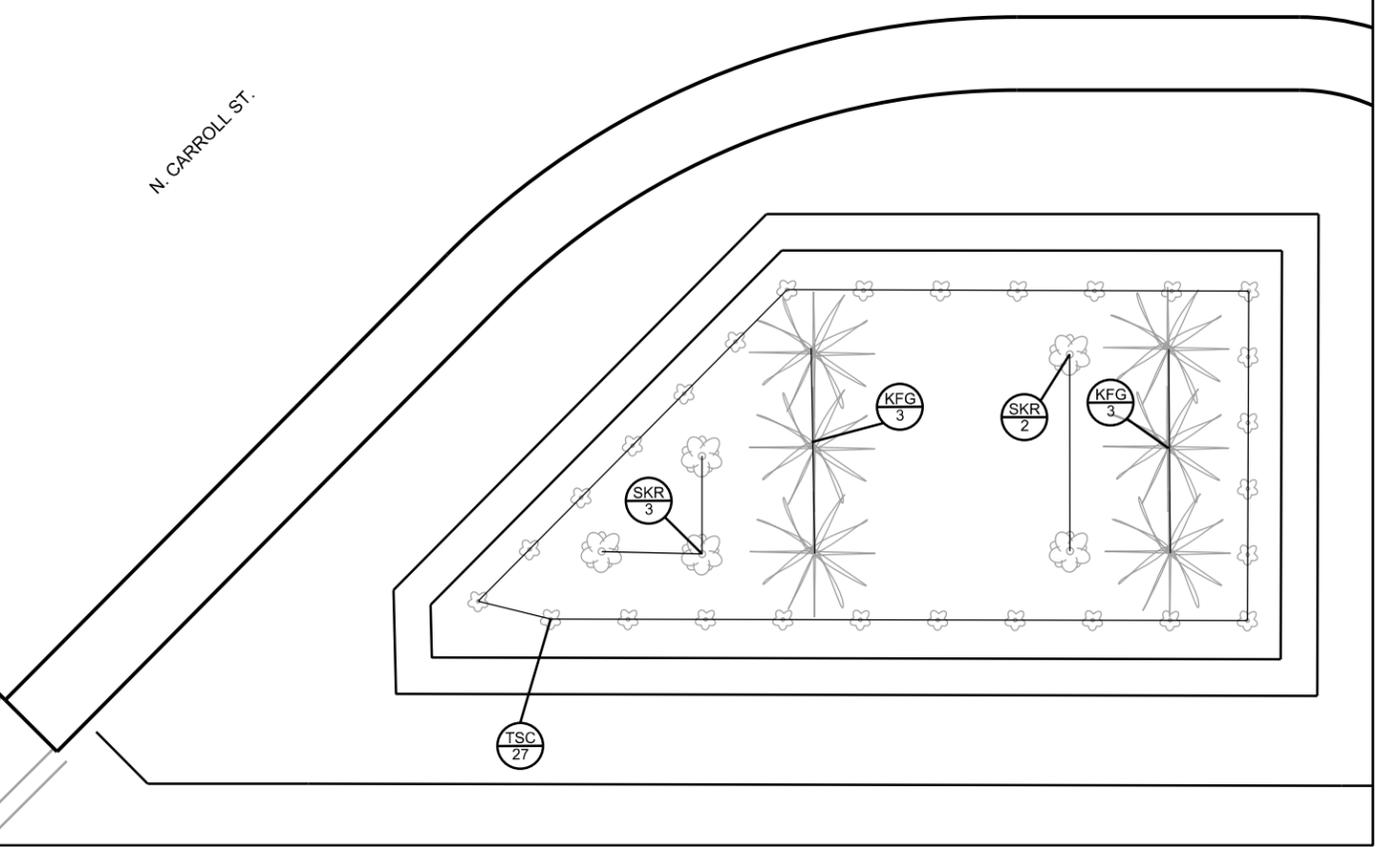
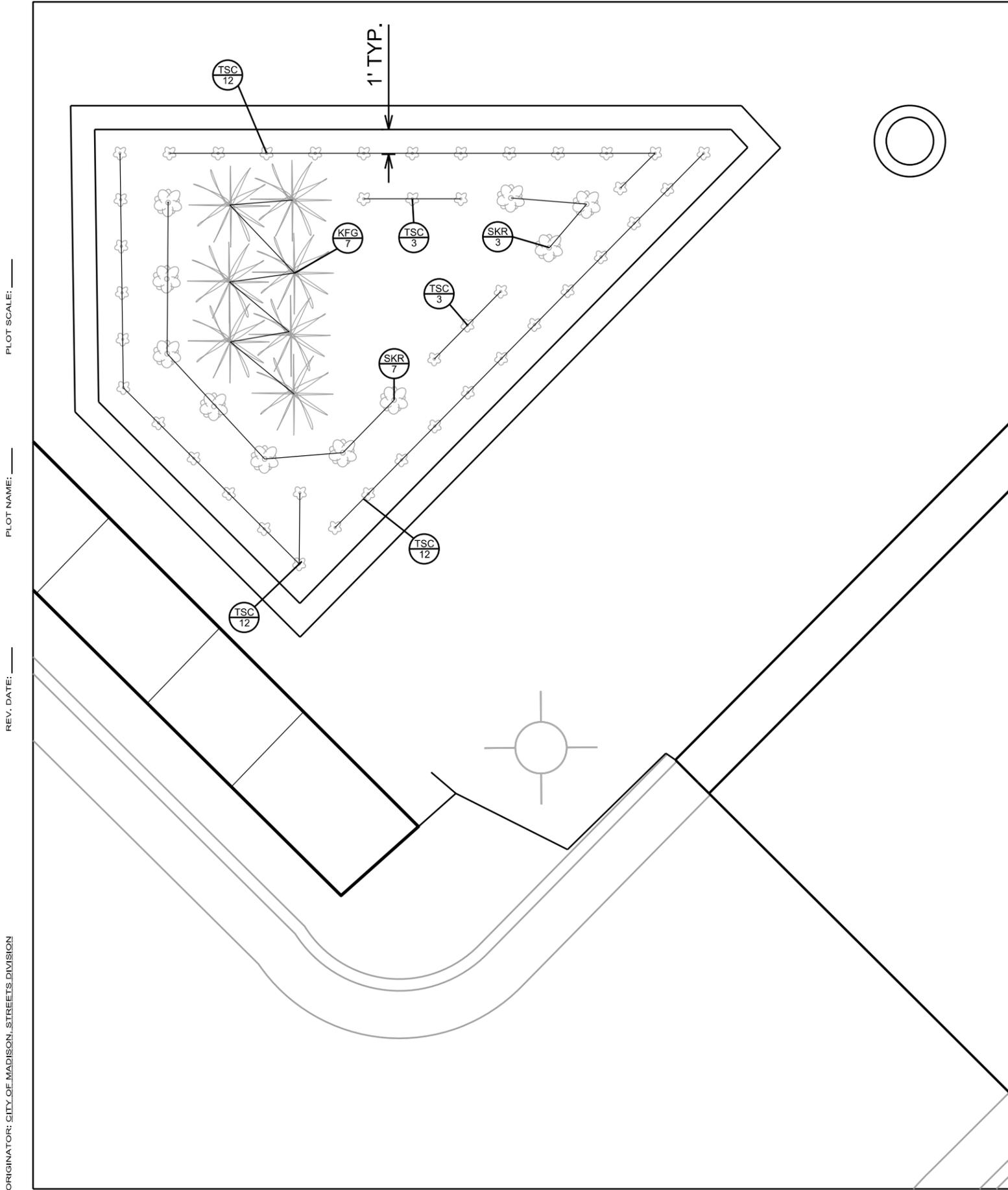
DATE: 3/24/2017



CONCRETE PLANTER PLANTING SCHEDULE

SYMBOL	ABBREV.	PLANT NAME	SCIENTIFIC NAME	NORTH PLANTER QUANTITY	SOUTH PLANTER QUANTITY	APPROX. MATURE HEIGHT	APPROX. MATURE SPREAD	PLANT POT SIZE
	DKR	Single Knockout Roses	Rosa 'Radrazz'	10	5	3-4'	3-4'	3 Gal.
	KFG	Karl Forester Feather Reed Grass	Calamagrostis x acutiflora 'Karl Forester'	7	6	48"-60"	24"	5 Gal.
	TSC	Tequila Sunrise Coreopsis	Coreopsis 'Tequila Sunrise'	42	12"-18"	12"-18"	4.5" plug	

NOTE:  
THE TOP 3" OF THE CONCRETE PLANTERS BACKFILL SHALL BE DOUBLE SHREDDED HARDWOOD MULCH

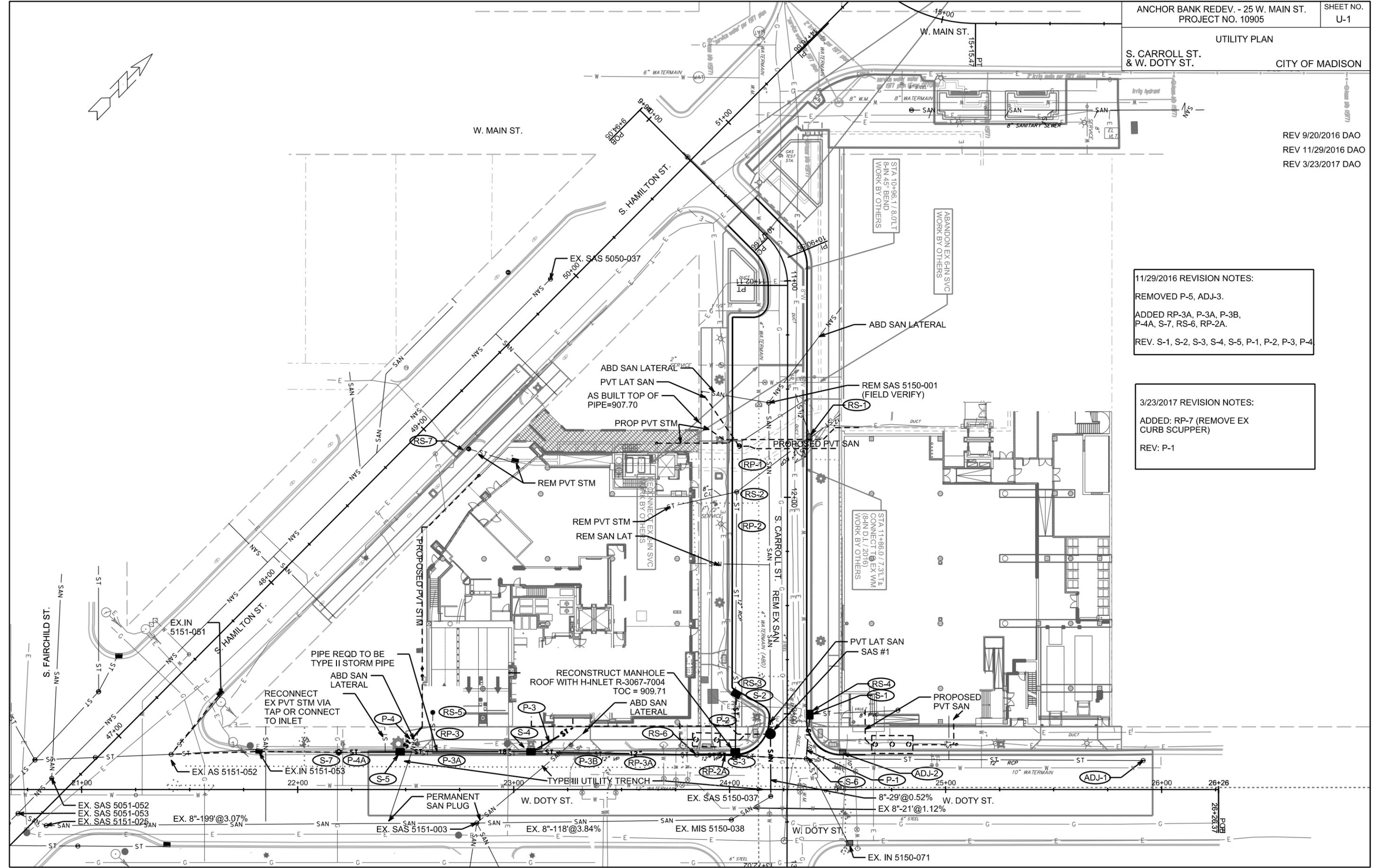


PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 9/20/2016 DAO  
REV 11/29/2016 DAO  
REV 3/23/2017 DAO

11/29/2016 REVISION NOTES:  
REMOVED P-5, ADJ-3.  
ADDED RP-3A, P-3A, P-3B, P-4A, S-7, RS-6, RP-2A.  
REV. S-1, S-2, S-3, S-4, S-5, P-1, P-2, P-3, P-4

3/23/2017 REVISION NOTES:  
ADDED: RP-7 (REMOVE EX CURB SCUPPER)  
REV: P-1



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

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

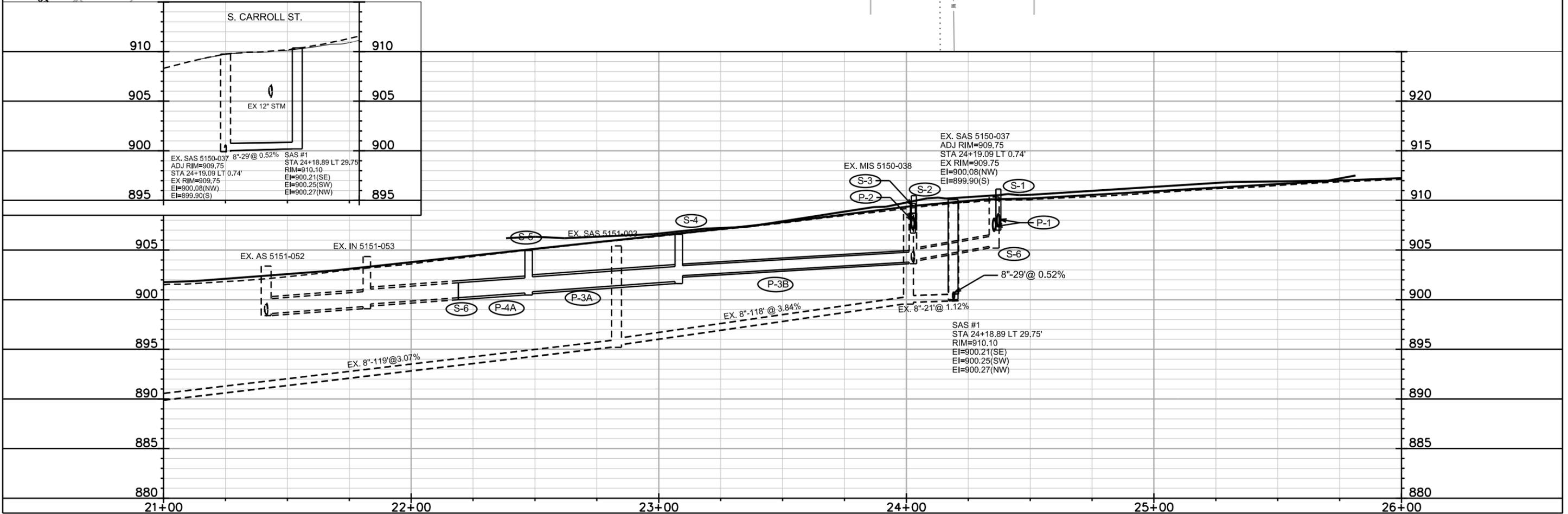
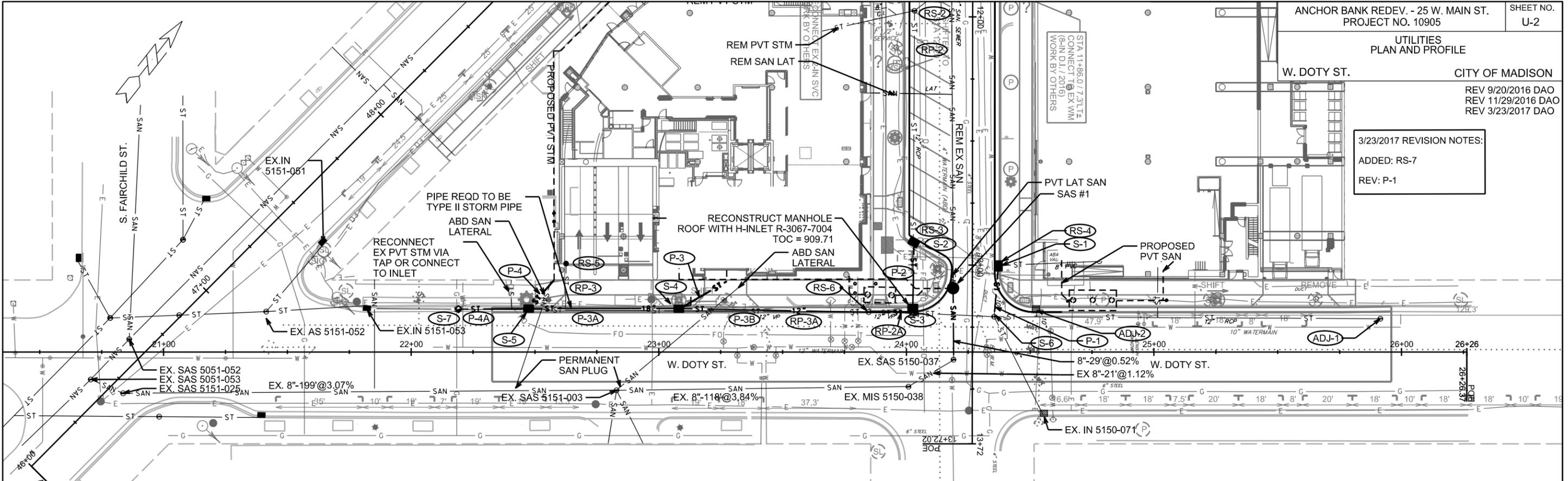
REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITIES  
PLAN AND PROFILE

CITY OF MADISON  
REV 9/20/2016 DAO  
REV 11/29/2016 DAO  
REV 3/23/2017 DAO

3/23/2017 REVISION NOTES:  
ADDED: RS-7  
REV: P-1



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

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

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

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

# STORM SEWER SCHEDULE

\* REV. 9/20/2016 DAO

\*\* REV. 11/29/2016 DAO

\*\*\* REV. 3/23/2017 DAO

ANCHOR BANK REDEV. - 25 W MAIN ST.

PROJECT NO. 10905

SHEET NO.

U-3

STORM SEWER SCHEDULE

CITY OF MADISON

## PROPOSED STORM STRUCTURES

## PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES	
<b>S CARROLL ST</b>																			
** S-1	13+00.38	LT-10.50	H INLET	911.24	907.50	3.74	W/3067-7004-V	*** P-1	S-6	S-1	907.04	907.50	20	17.0	2.71%	12"	RCP	TYPE II STM PIPE	
** S-2	12+90.83	RT-23.63	H INLET	910.48	907.73	2.75	LP;FP;W/3067-7004-VB	** P-2	S-3	S-2	907.21	907.73	27	24.5	2.12%	12"	RCP	TYPE II STM PIPE	
								** P-3	S-4	PVT LAT						8"	PVC		
								** P-3A	S-5	S-4	900.75	901.88	61	57.5	1.97%	18"	RCP	TYPE II STM PIPE	
								** P-3B	S-4	S-3	902.38	903.83	95	91.5	1.58%	12"	RCP	TYPE II STM PIPE	
								** P-4	S-5	PVT LAT	901.50					8"	PVC		
								** P-4A	S-7	S-5	900.20	900.73	28	27.0	1.96%	18"	RCP	TYPE II STM PIPE	
								** P-5	S-6	PVT-LAT						12"	RCP or G900 PVC	(2)	
<b>W DOTY ST</b>																			
** S-3	24+02.63	LT-17.50	EX. MANHOLE	909.71			SEE NOTE (1)												
** S-4	23+08.08	LT-17.49	H INLET	SEE NOTE (3)	901.88		W/3067-7004-V. SEE NOTE (3)												
** S-5	22+47.45	LT-17.50	H INLET	905.44	900.73	4.71	W/3067-7004-V												
*** S-6	24+35.45	LT-14.22	EX. MANHOLE	910.20	905.54	4.66													
** S-7	22+19.10	LT-17.24	EX. PIPE COLLAR		900.20														

**NOTE:** PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

## SPECIFIC NOTES

- (1) RECONSTRUCT MANHOLE (AS 5150-066) ROOF WITH H-INLET R-3067-7004-V, TOC=909.71
- (2) RECONSTRUCT MANHOLE (AS 5150-108) SIDEWALL TO INSTALL PVT STM MAIN (12" PVC)
- (3) EDGE OF GUTTER = 906.29. R-3290A DRIVEWAY CASTING. FLIP TO FIT IN TY 'X' CURB.

# SANITARY SEWER SCHEDULE

\* REV. 9/20/2016 DAO

ANCHOR BANK REDEV. - 25 W MAIN ST.	SHEET NO.
PROJECT NO. 10905	U-5
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>S CARROLL ST</b>						
* SAS #1	13+09.26	RT-8.23	910.10	900.21	9.89	

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
* SAS #1	SAS 5150-037	900.08	900.21	29	0.52%	8"	ASTM D3034 SDR-35	

## SANITARY STRUCTURE ADJUSTMENTS

SAS NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
SAS 5150-037	24+19.19	LT-0.74	909.75	909.75		

## SPECIFIC NOTES

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# STORM SEWER SCHEDULE

\*\* REV. 11/29/2016 DAO

\*\*\* REV 3/23/2017 DAO

ANCHOR BANK REDEV. - 25 W MAIN ST. PROJECT NO. 10905	SHEET NO. U-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

## REMOVE STORM STRUCTURES

## REMOVE STORM PIPES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RS-1	IN 5150-063	11+72.16	LT-9.98	H-INLET	
RS-2	AS 5150-067	11+97.54	RT-23.47	MH (4X4)	
RS-3	IN 5150-064	12+90.72	RT-23.65	H-INLET	
RS-4	IN 5150-070	13+00.44	LT-10.31	H-INLET	
RS-5	PVT CB	22+62.48	LT-39.45	CB	
** RS-6	AS 5150-068	23+84.83	LT-15.95	MH (5x7)	
*** RS-7	UNMARKED	49+06.14	RT-19.87	SCUPPER	REMOVE EX CURB SCUPPER

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	IN 5150-063	AS 5150-067	42	12"	RCP		
RP-2	AS 5150-067	IN 5150-064	124	12"	RCP		
** RP-2A	AS 5150-066	AS 5150-068	18	12"	VP		
RP-3	PVT CB	AS5150-068/MI 5151-054	18	8"			
** RP-3A	AS 5150-068	S-7	166	12"	VP		

## STORM SEWER ULOs

## STORM SEWER ABANDONMENTS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
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PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
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## STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STRUCTURE	LOCATION (STATION, OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
ADJ-1	AS 5150-065	25+91.40, LT 13.40	912.08	912.11	-0.03	
ADJ-2	IN 5150-069	24+52.50 LT 17.21	910.59	910.61	-0.02	
** ADJ-3	AS 5150-068	23+84.83, LT 15.95	SEE NOTE			FLAT CASTING IN FLAG OF CURB. EDGE OF GUTTER = 908.71

## SPECIFIC NOTES

## STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.





**CONSTRUCTION NOTES:**

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

 INDICATES INSULATION AT STORM SEWER CROSSING

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

**ESTIMATE OF PROJECT MATERIALS:**

\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

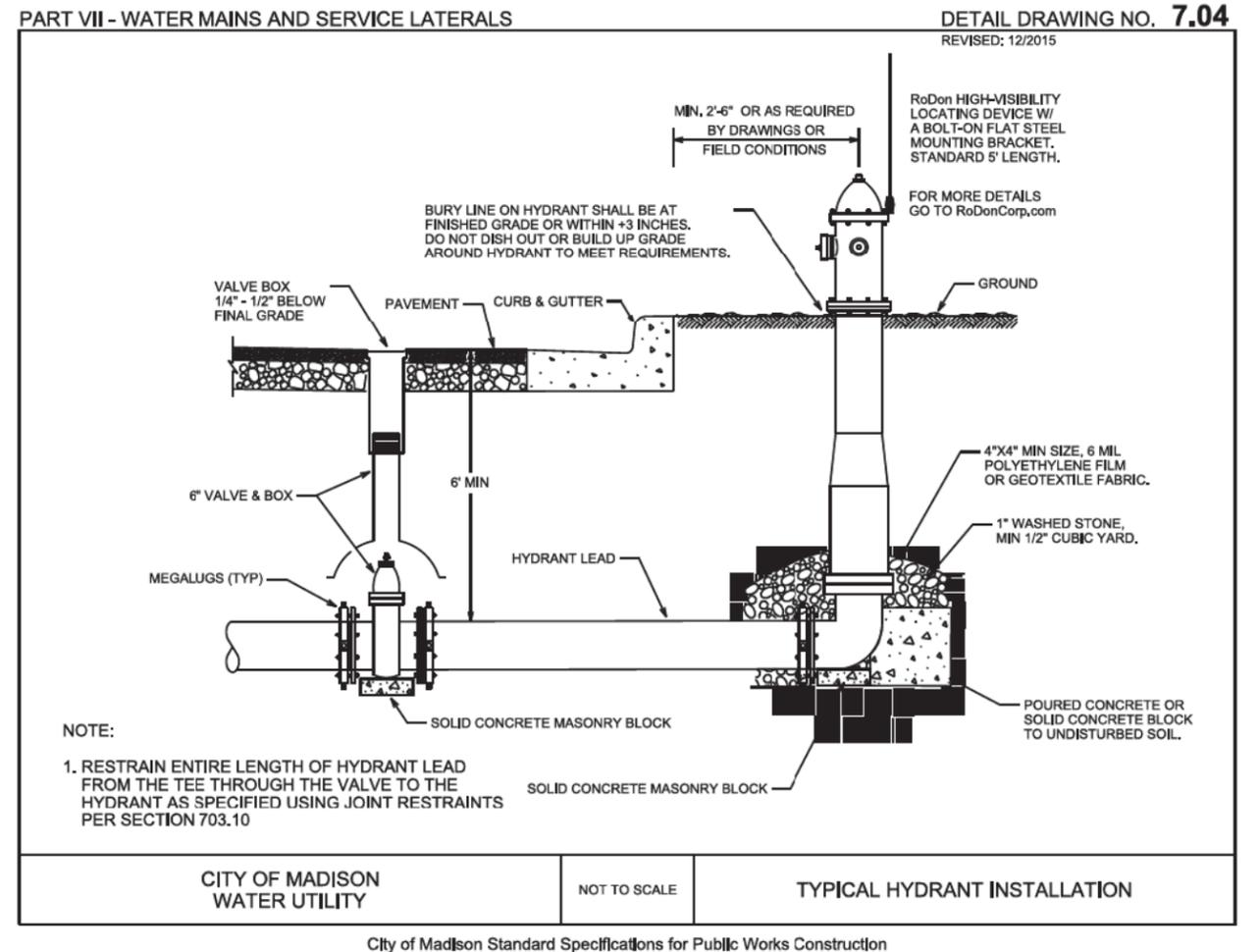
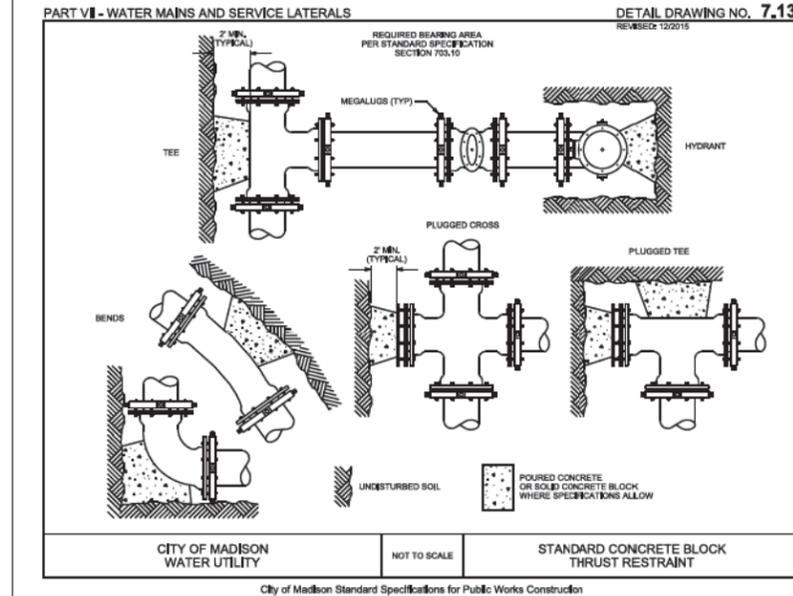
WATER MAIN AND FITTING MATERIALS	
4-IN PIPE (LF)	<10
8-IN PIPE (LF)	330
12-IN PIPE (LF)	<10
POLY WRAP (LF)	370
8-IN VALVES & BOXES	3
12-IN VALVES & BOXES	1
12-IN X 8-IN TEES	2
8-IN X 4-IN TEES	1
8-IN 45° BENDS	2
8-IN 22.5° BENDS	2
8-IN 11.25° BENDS	2
8-IN MJ PLUGS	1
4-IN MJ CAPS	1
6-IN MJ CAPS	1
8-IN MJ CAPS	2
12-IN SOLID SLEEVES	1
8-IN X 6-IN REDUCERS (TEMP)	1
5-IN HYDRANTS (TEMP)	1
<b>CITY MATERIALS</b>	
4-IN X 4-IN TAPPING SLEEVE	1
4-IN TAPPING VALVE & BOX	1
<b>MSC. MATERIALS</b>	
INSULATION (LF)	160
COPPER TUBING (1-IN TO 2-IN)	AS REQ

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
CALL DIGGERS HOTLINE  
TOLL FREE  
811 OR 1-800-242-8511  
FAX-A-LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)  
REQUIRES MIN. OF 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE.



**DISCLAIMER NOTE:**  
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



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

CROSS SECTIONS

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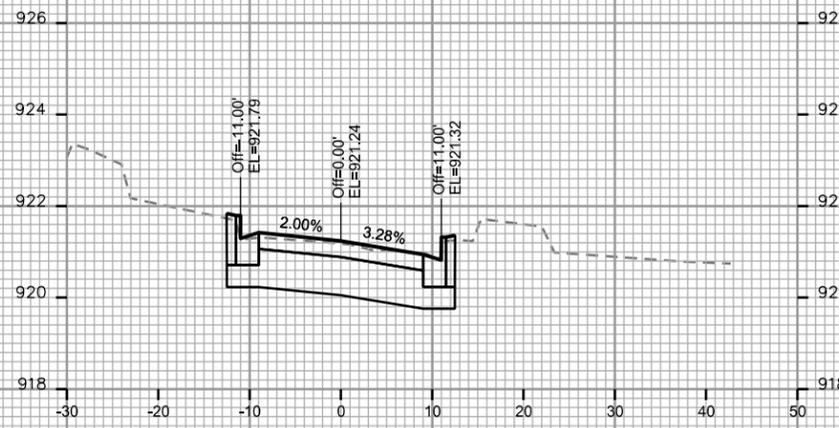
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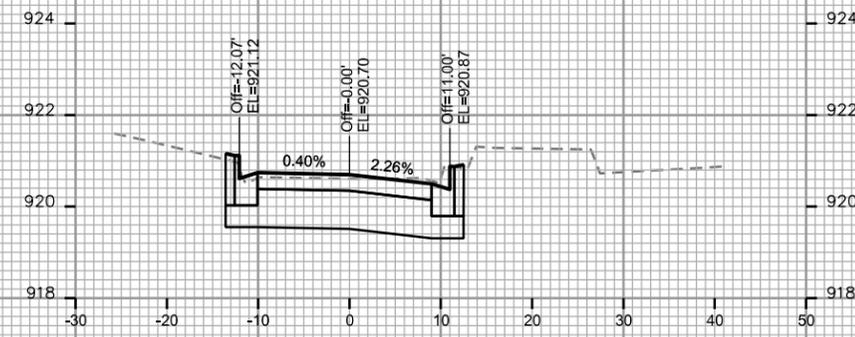
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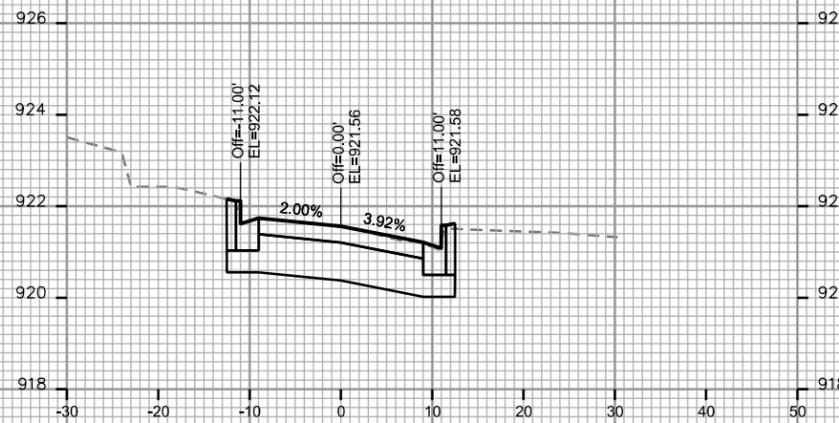
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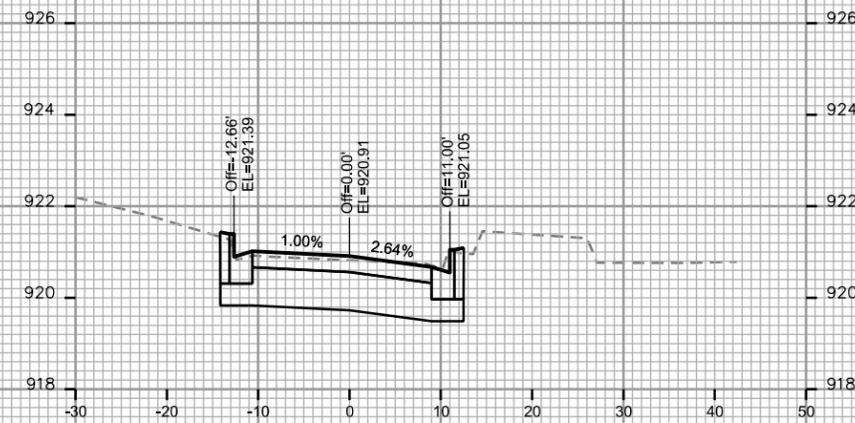
STA. 10+75



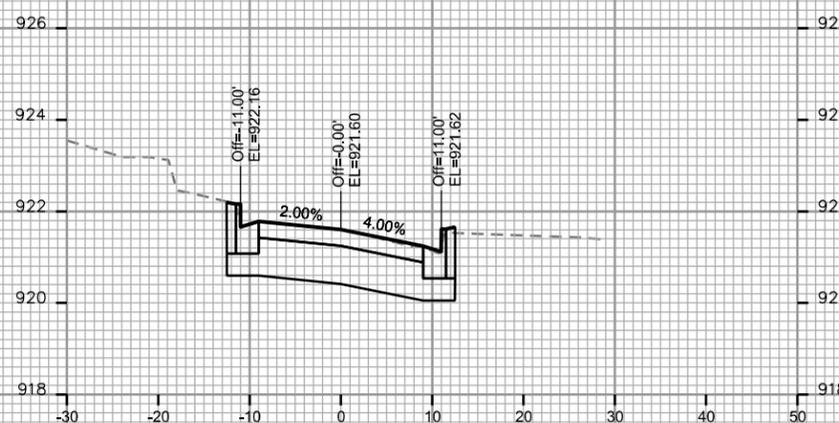
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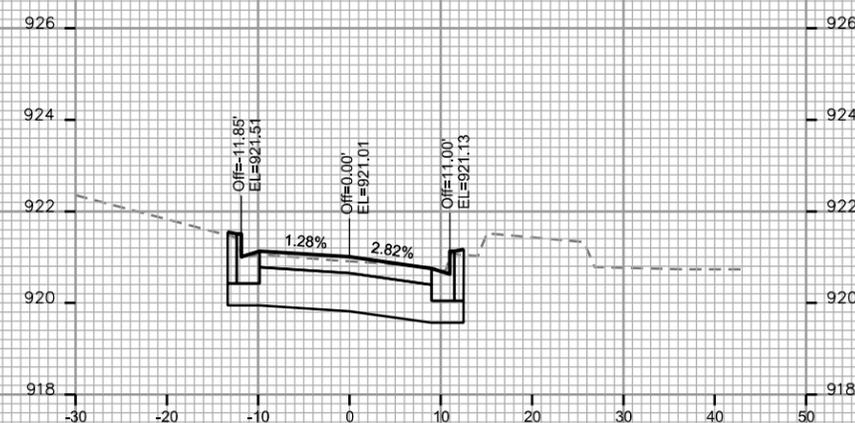
STA. 10+62.50



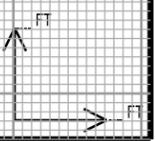
STA. 10+87.50



STA. 10+61



STA. 10+84



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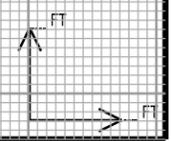
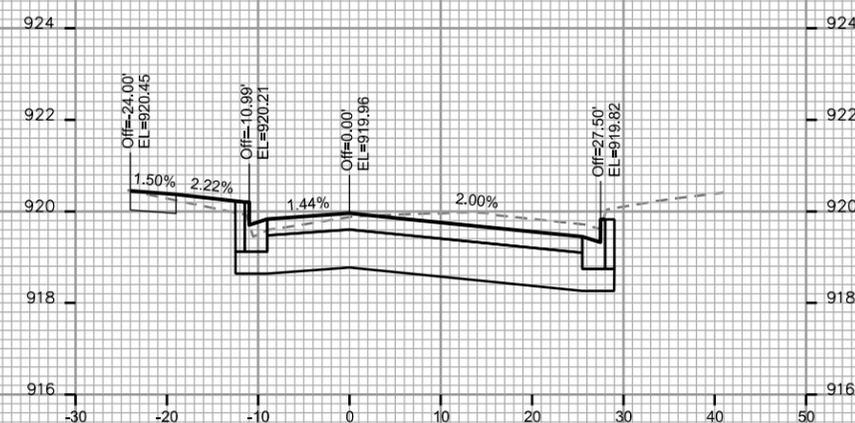
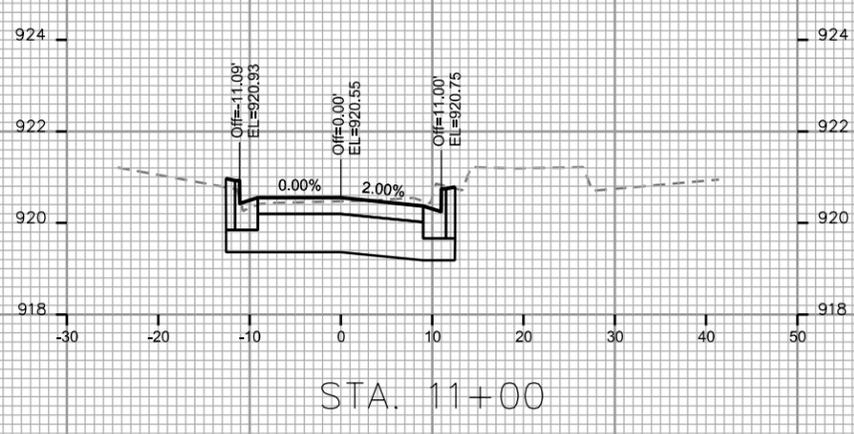
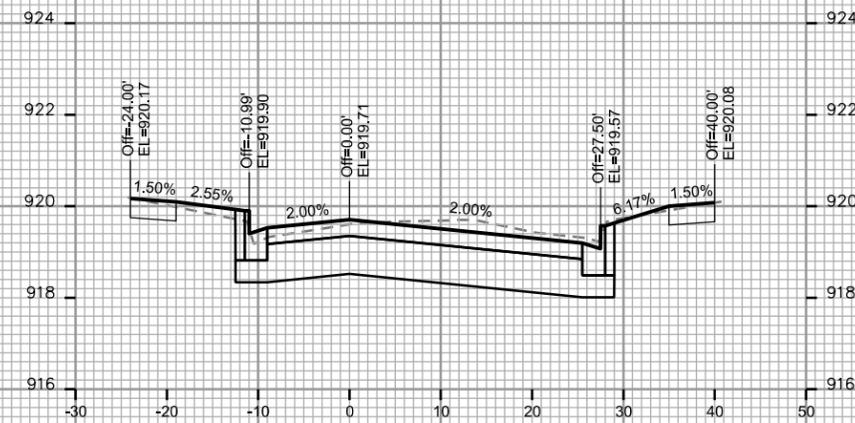
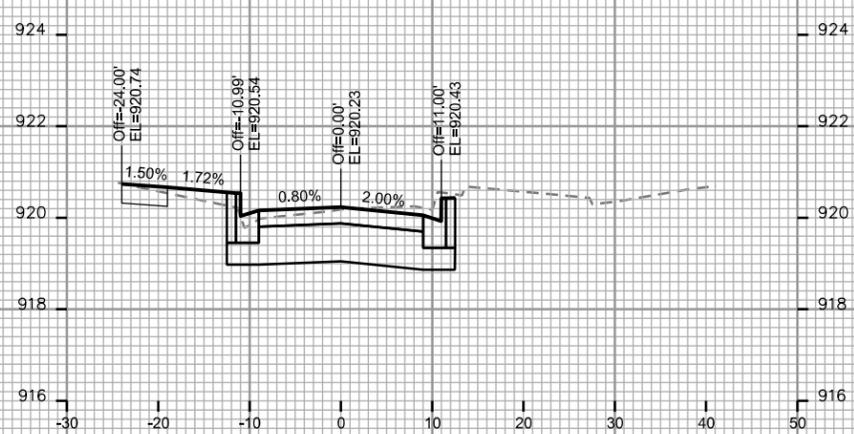
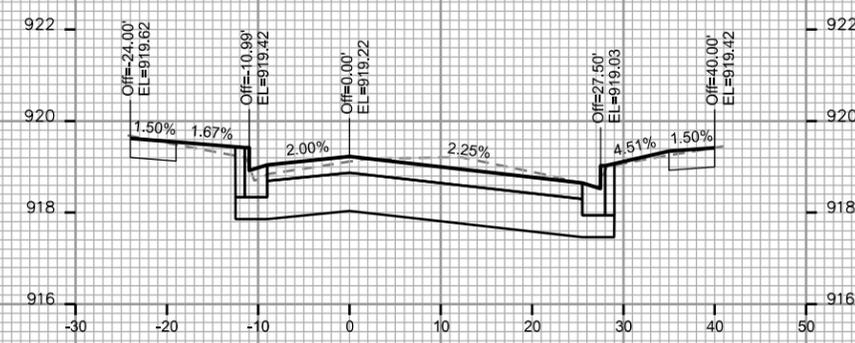
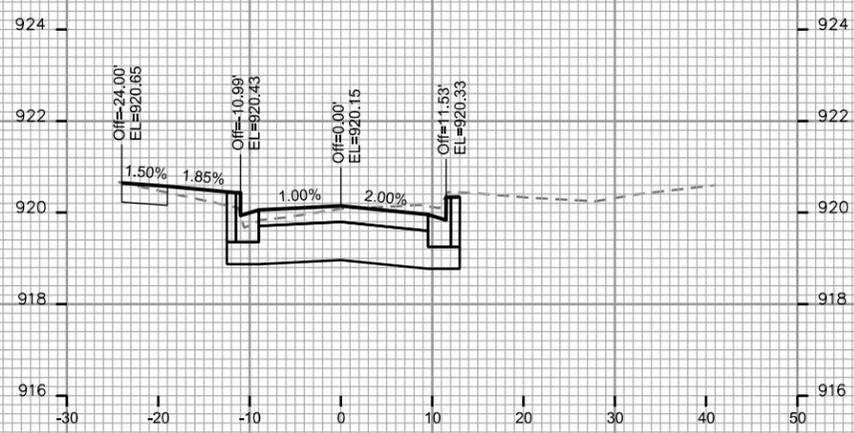
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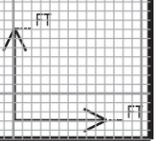
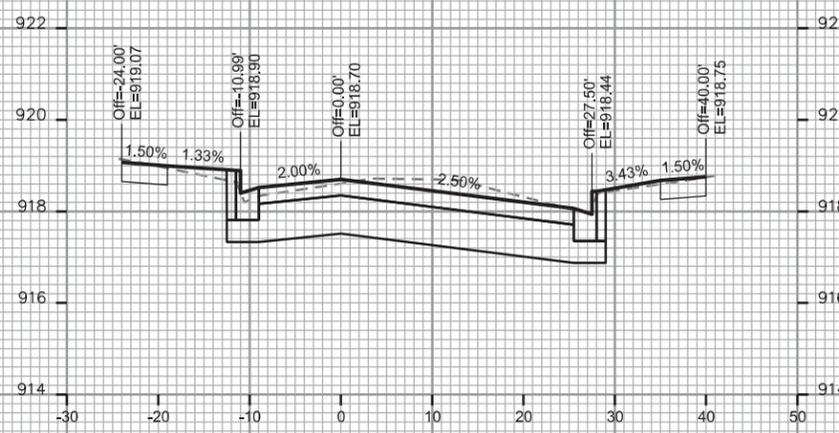
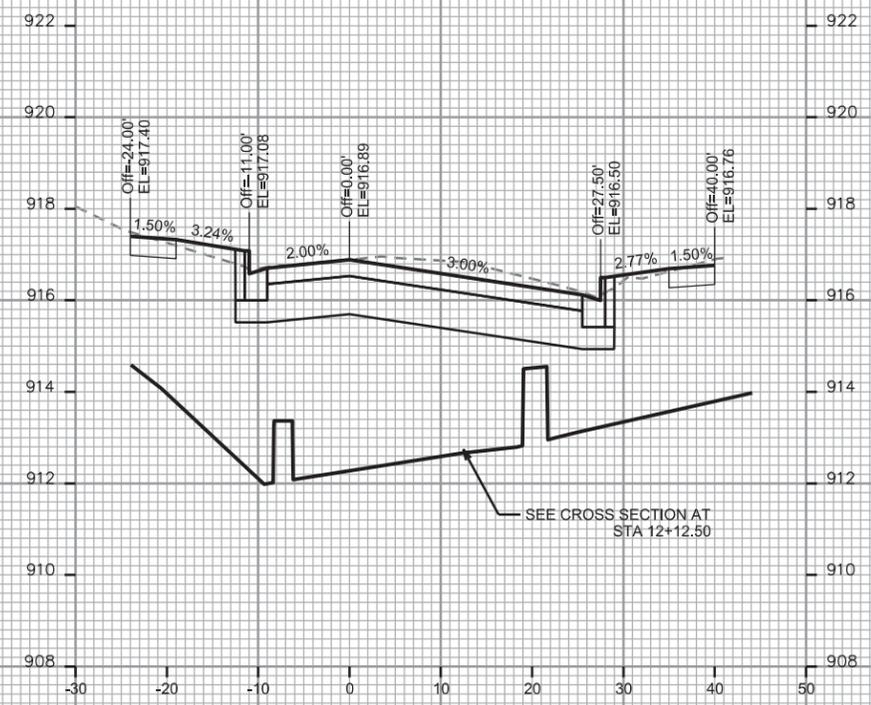
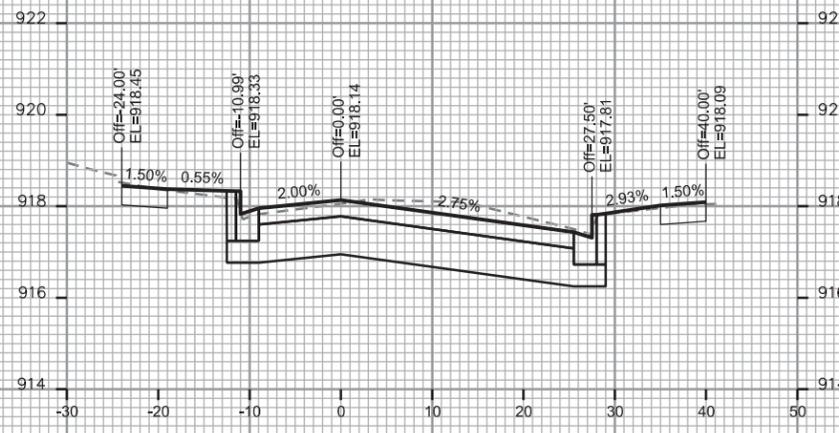
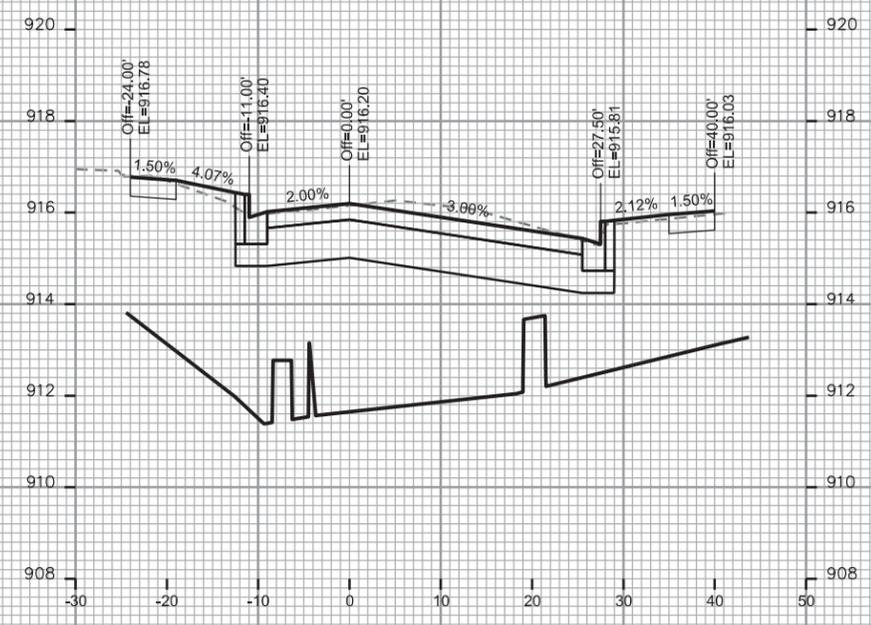
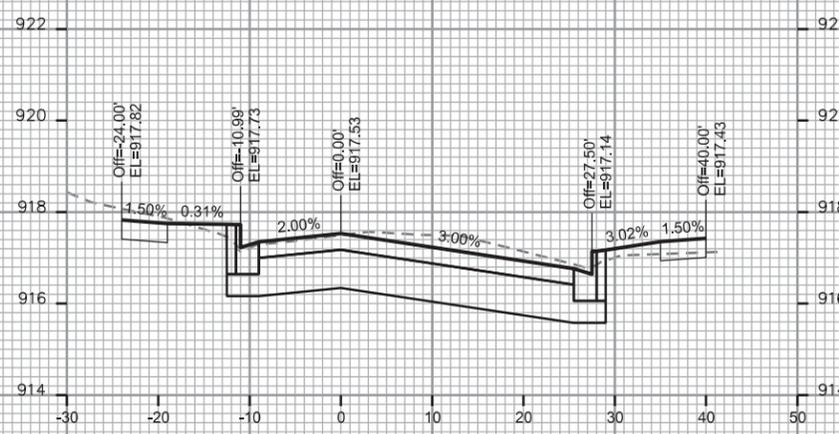
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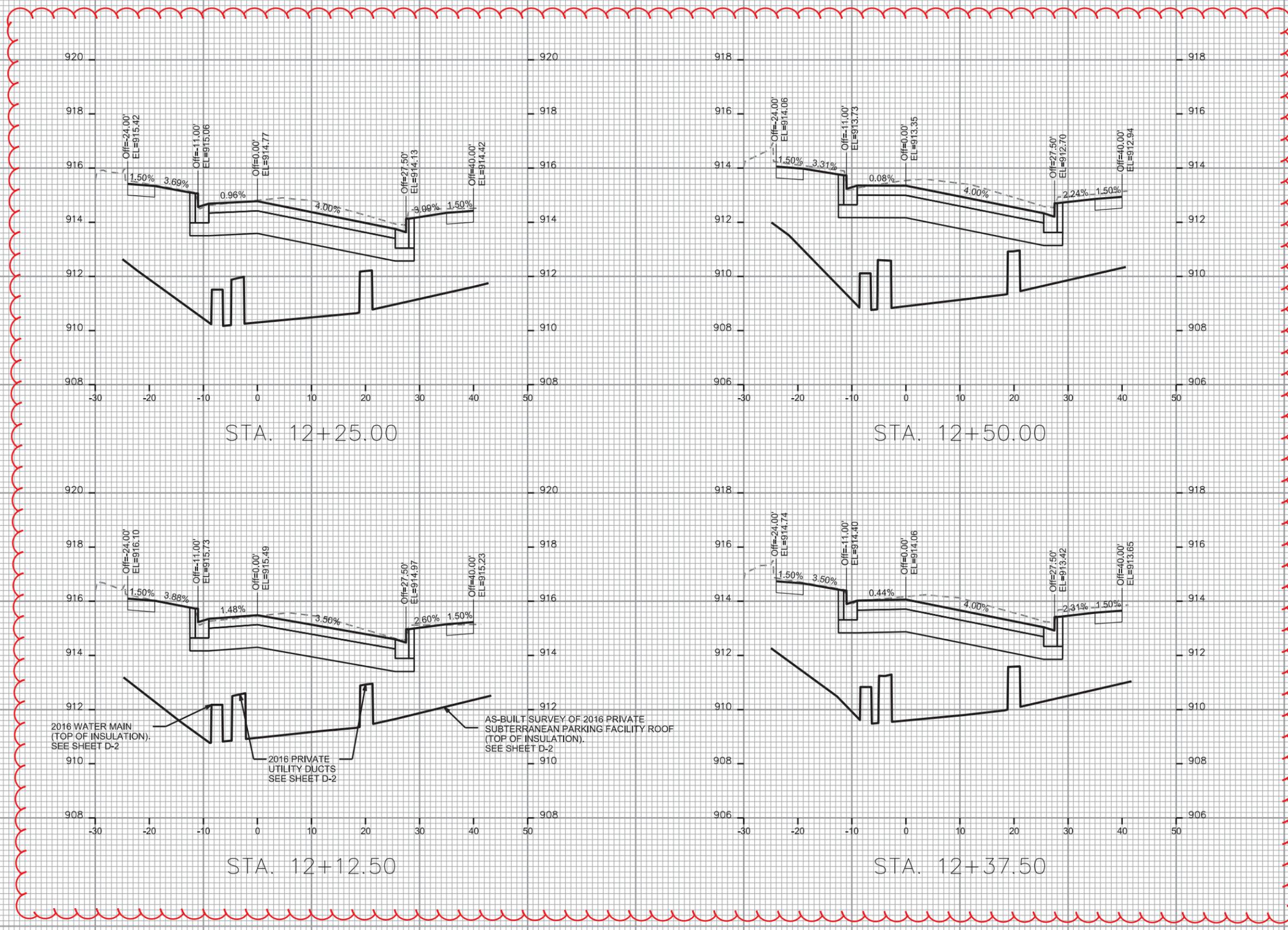
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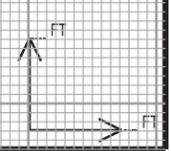
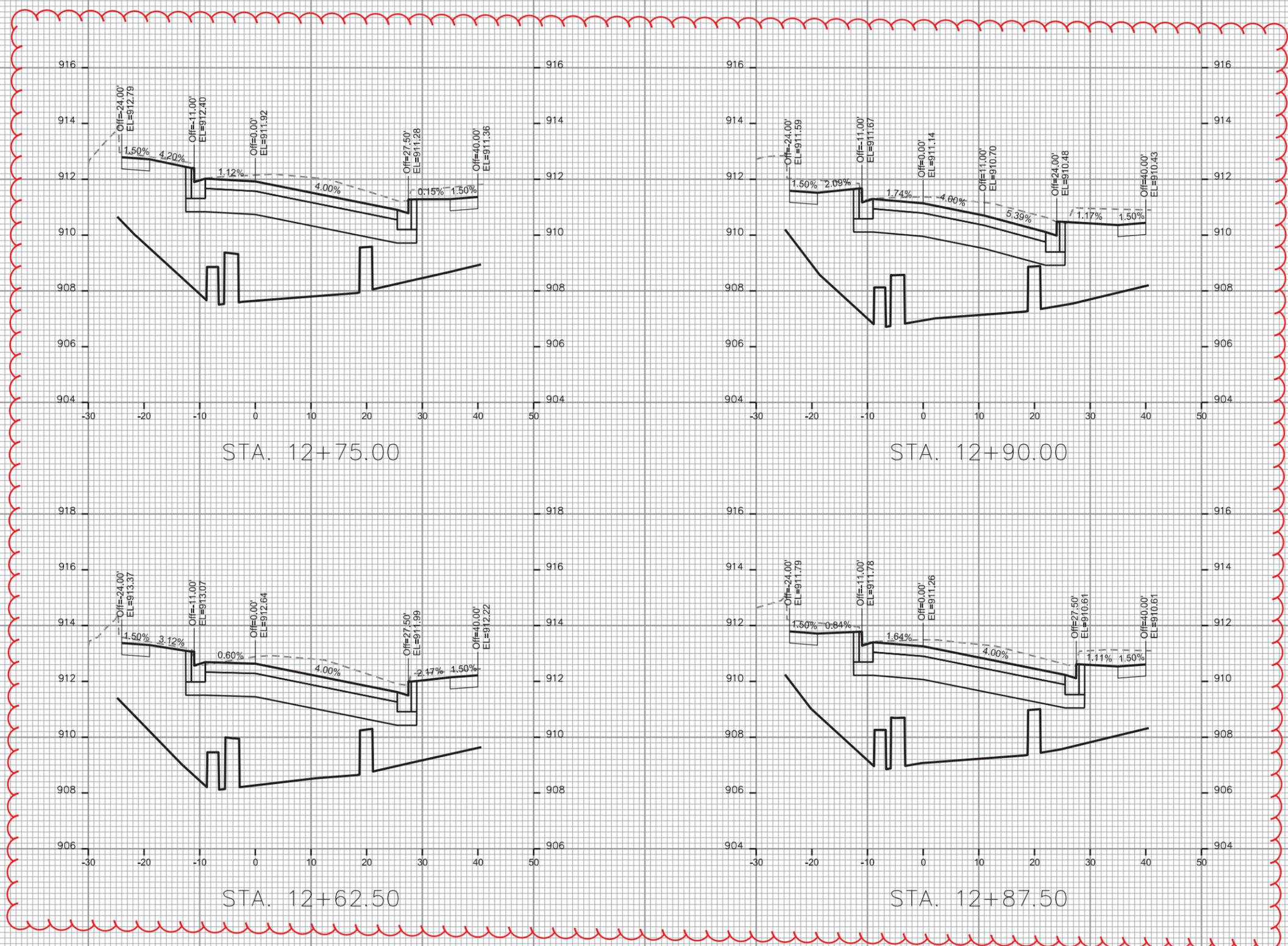
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