

VILLAGE ON PARK PARKING STRUCTURE AND SITE IMPROVEMENTS FOR THE **COMMUNITY DEVELOPMENT AUTHORITY OF THE CITY OF MADISON 808 HUGHES PLACE, MADISON WI 53713** PROJECT DESCRIPTION: SIX-LEVEL, 295 STALL PARKING GARAGE WITH SITE IMPROVEMENTS **BID DOCUMENTS 07-28-2023**











PROJECT TEAM CONTACT LIST



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GENERAL NOTES

- THIS DESIGN IS BASED UPON SURVEY DATA PROVIDED BY OTHERS. EXISTING SITE FEATURES DEPICTED ON THESE DRAWINGS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND JSD MAKES NO GUARANTEE THAT SAID DATA IS ACCURATE OR ALL–INCLUSIVE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ALL POINTS WHERE PROPOSED WORK CONNECTS TO EXISTING PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- ALL DISCREPANCIES FOUND BY CONTRACTOR SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

DEMOLITION NOTES

- THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT E LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE
- CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS. ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED
- OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND
- ALL APPURTENANCES. POLES TO BE SALVAGED FOR RELOCATION CAN BE STORED AT SOUTH TRANSFER STATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES
- WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
- EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION. 7.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK
- SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
- 7.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES. 7.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO
- THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER,
- OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE
- IMPROVEMENTS. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY
- RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION. . ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
- ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
- 13. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR. EXISTING FIBER OPTIC LINE TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE LOCATION.
- SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
- WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
- ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
- 8. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED SOILS SHALL BE REMOVED TO A LANDFILL IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
-). CONTRACTOR TO REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL". RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

CONSTRUCTION SEQUENCING

- INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
- 2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
- DEMOLISH BUILDINGS, REMOVE PAVEMENT.
- CONDUCT ROUGH GRADING EFFORTS. 5. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
- COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
- PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
- EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

PAVING NOTES

- THE GEOTECHNICAL REPORT.
- 1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
- BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING
- MUNICIPALITY REQUIREMENTS.
- 2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS
- BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
- 2.2. WEATHER LIMITATIONS APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35" F (1" C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).
- 2.3. GRADE CONTROL ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
- SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.
- 2.5. BINDER COURSE AGGREGATE THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 315, STATE HIGHWAY SPECIFICATIONS.
- 2.6. SURFACE COURSE AGGREGATE THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465, STATE HIGHWAY SPECIFICATIONS.
- STATE HIGHWAY SPECIFICATIONS.
- 3. <u>CONCRETE PAVING SPECIFICATIONS</u>
- 416 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.2. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS. 3.3. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AS DEPICTED ON THE PLANS. REFER TO DETAILS
- SHEETS FOR ADDITIONAL SPECIFICATIONS.
- OR AS INDICATED ON THE PLANS.
- 3.5. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
- 4. PAVEMENT MARKING SPECIFICATIONS
- 4.1. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES AND WHITE LATEX PAINT FOR CROSSWALKS.
- 4.2. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
- STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.
- 4.4. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

GRADING AND SEEDING NOTES

- 1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES. MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
- UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- 5. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
- 6. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES BELOW STORMWATER MANAGEMENT FACILITY TO PROMOTE INFILTRATION.
- 7. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS
- WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL. 8. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO PLACING PLANTINGS, SODDING, AND/OR SEEDING AND MULCHING.
- 9. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
- 10. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR. REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL STANDARD 1059 AND CITY OF MADISON ORDINANCE.

1.1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF MADISON ORDINANCES AND

1.3. SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT 1.4. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET

2.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC

2.4. CRUSHED AGGREGATE BASE COURSE - THE TOP LAYER OF BASE COURSE SHALL CONFORM TO

2.7. ASPHALTIC MATERIALS – THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460,

3.1. CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND

3.4. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER

3.6. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.

4.3. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING

3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES,

SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL

UTILITY NOTES

ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED O BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION

- 2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR: EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION. • OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
- VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED. NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF
- CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION. COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN - AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY. AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES. 4. SPECIFICATIONS SHALL COMPLY WITH THE CITY OF MADISON SPECIAL PROVISIONS.
- LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY
- FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION. . CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
- 7. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY
- CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE
- CONSTRUCTION. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- 10. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES 12. STORM SEWER SPECIFICATIONS -

PIPE - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS III (MINIMUM) C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE

INLETS - INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE. NO. 28 OF THE "STANDARD SPECIFICATIONS". OR APPROVED EQUAL WITH A 1'-8" X 2'-6" MAXIMUM OPENING. CURB FRAME & GRATE SHALL BE NEENAH R-3067 WITH TYPE R GRATE, OR EQUAL. BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL

IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS". MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.

FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER. 13. WATER MAIN SPECIFICATIONS -

PIPE – DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.18.0 THE "STANDARD SPECIFICATIONS". POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET T REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH SPS 382.30(11)(h). VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.27.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES. HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF MADISON. THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES (SEE DETAIL). BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND. CRUSHED

STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS" BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A

POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS". 14. SANITARY SEWER SPECIFICATIONS -

PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS.

MANHOLES – MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE CITY OF MADISON. MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.

15. WATERMAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).

16. ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SPS 382.30(11)(H), SPS 382.36(7)(C)10., AND SPS 382.40(8)(K). COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER - GREEN, STÓRM SEWER - BROWN, WATER - BLUE, NON-POTABLE WATER - PURPLE.

EROSION CONTROL NOTES

- THE APPROVED PLANS.
- UNFORESEEN FIELD CONDITIONS.
- PRIOR TO DEVIATION OF THE APPROVED PLAN.
- REQUEST
- INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER
- REPLACED IMMEDIATELY UPON INSPECTION.
- AND AS REQUESTED BY THE CITY OF MADISON. DEPOSITION WITHIN STORM SEWER SYSTEMS.
- "TACKIFIER."

WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM

- 1052 AND 1053.
- MEASURES.
- REQUIREMENTS REVIEW AND APPROVAL BY CITY ENGINEER'S OFFICE.

9. <u>STABILIZ</u>	ATION PRACTICES:
19.1.	STABILIZATION ME THE SITE WHERE NO MORE THAN S PORTION OF THE
19.2.	THE INITIATION S ACTIVITY HAS CEA SHALL BE INITIAT
19.3.	CONSTRUCTION A
19.4.	ACTIVITY IS TEMP STABILIZATION ME BY THE SEVENTH STABILIZATION ME OF CONSTRUCTIO CONDITIONS AND ACCEPTABLE STAR • PERMANENT
	TEMPORARY

SODDING

- THE ENGINEER, OR AN OWNER'S REPRESENTATIVE.
- FINAL SITE GRADING AND SOILS HAVE BEEN STABILIZED.

- OWNER'S GEOTECHNICAL ENGINEER PRIOR INSTALLATION OF FACILITIES. NATIVE SOIL INFILTRATION

- PROJECT MANAGER AND CDA.
- WITH CITY OF MADISON PROJECT MANAGER AND CDA.
- ALL TIMES DURING CONSTRUCTION.
- CDA REVIEW.
- MADISON/CDA STAFF

CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF MADISON OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM

2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF MADISON ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET

INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF MADISON

4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF

WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY. 6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR

7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.

8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT

10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A

11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION. 12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.): A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH. B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE

SEWER, RECEIVING STREAM, OR DRAINAGE DITCH. 13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II. TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS

14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068. 15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION

16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WONR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WONR

17. CONTRACTOR SHALL PREPARE A CONSTRUCTION DEWATERING PLAN AS PART OF THIS PROJECT FOR

18. CONTRACTOR SHALL COMPLETE SELF-INSPECTION OF THE EROSION CONTROL PRACTICES AND POST THESE INSPECTIONS TO THE CITY OF MADISON WEBSITE AS REQUIRED BY MGO CHAPTER 37

> EASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT SITE HAS CEASED UNLESS: STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION ED AS SOON AS PRACTICABLE. CTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) N ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION PORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, EASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED. EASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME ON ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE BILIZATION MEASURES: NT SEEDING: IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE) HYDRO-MULCHING WITH A TACKIFIER GEOTEXTILE EROSION MATTING

STORMWATER FACILITIES CONSTRUCTION NOTES

ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF STORMWATER MANAGEMENT FACILITIES. CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES SHALL BE OBSERVED AND DOCUMENTED BY 2. STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AFTER SUBSTANTIAL COMPLETION OF

. AREAS USED FOR TEMPORARY SEDIMENT BASINS SHALL BE REMOVED IN THEIR ENTIRETY AFTER CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES.

4. CONSTRUCTION TRAFFIC, HEAVY EQUIPMENT AND SOIL STOCKPILES SHALL NOT BE PLACED IN AREAS WHERE PROPOSED STORMWATER MANAGEMENT FACILITIES ARE LOCATED. 5. NATIVE SOIL INFILTRATION RATES BELOW STORMWATER FACILITIES SHALL BE VERIFIED BY THE

RATES SHALL BE EQUAL TO OR GREATER THAN DESIGN INFILTRATION RATES. 6. NATIVE SOILS SHALL BE BLENDED A MINIMUM OF TWO FEET PRIOR TO INSTALLATION OF STORMWATER INFILTRATION FACILITIES TO BREAKUP ANY LOWER PERMEABILITY SEAMS THAT MAY BE PRESENT.

7. THICKER SILT OR CLAY LAYERS SHALL BE OVER-EXCAVATED AND BACKFILLED WITH GRANULAR MATERIALS CONFORMING TO SPECIFICATIONS PER WDNR TECH STANDARD 1004.

CONSTRUCTION PHASING. STAGING & MATERIAL STORAGE CONTRACTOR SHALL WORK WITH THE CITY OF MADISON PROJECT MANAGER. COMMUNITY DEVELOPMENT AUTHORITY (CDA), LIBRARY AND RELATED END USER'S TO FORMULATE PHASING, STAGING AND MATERIAL STORAGE PLAN(S) PRIOR TO GROUNDBREAKING. 2. CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO THE BACK ALLEY WEST OF THE VILLAGER

SHOPPING MALL. CONTRACTOR SHALL COORDINATE TIMING OF IMPROVEMENTS WITH CITY OF MADISON 3. CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO THE LIBRARY LOADING DOCK & TRASH ENCLOSURE AREA DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF IMPROVEMENTS

4. CONTRACTOR SHALL MAINTAIN PUBLIC PARKING AND PEDESTRIAN ACCESS TO VILLAGER MALL STORE ENTRANCES, IN ADDITION TO THE LIBRARY/URBAN LEAGUE/PLANNED PARENTHOOD ENTRANCES AT

5. CONTRACTOR SHALL PREPARE A CONSTRUCTION FENCING LOCATION PLAN AND STAGING TRAILER AND MATERIAL STORAGE PLAN FOR THE VARIOUS PHASES OF CONSTRUCTION FOR CITY OF MADISON AND

6. CONTRACTOR SHALL COORDINATE POTENTIAL FOR STAGING AT SOUTH TRANSFER POINT WITH CITY OF

LEGEND ----- PROPERTY LINE _____ EDGE OF PAVEMENT - - - - 960- - - -**0−⊡** ¤ **----**WATERMAIN D STORM SEWER

— FG: 882.63 r — — — —

FG – FINISH GRADE SW – SIDEWALK

CITY TRAFFIC ENGINEERING NOTES

THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDED PLAN BUY TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENT.

CITY FORESTRY NOTES

- ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
- AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: <u>HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM</u>
- CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
- SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
- . ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION. GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
- STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608) 266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING.
- . AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING. CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

WORK-IN-ROW NOTES

- ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO BE PREQUALIFIED WITH THE CITY OF MADISON. PREQUALIFICATION FORMS ARE AVAILABLE ON THE CITY'S WEBSITE AT: https://www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-get-prequalified
- 2. THE CONTRACTOR IS REQUIRED TO OBTAIN A CITY PERMIT TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY.

DEMOLITION - REMOVAL OF ONSITE CURB & GUTTER SAWCUT EXISTING PAVEMENT

DEMOLITION - REMOVAL OF PAVEMENT MARKINGS DEMOLITION - REMOVAL OF ASPHALT SURFACES DEMOLITION - REMOVAL OF CONCRETE SURFACES DEMOLITION - REMOVAL OF BUILDINGS/STRUCTURES DEMOLITION - REMOVAL OF STORM UTILITIES DEMOLITION - REMOVAL OF ELECTRIC UTILITIES DEMOLITION - REMOVAL OF LANDSCAPE BEDDING

> TREE REMOVAL SHRUB REMOVAL

PROTECT & PRESERVE EXISTING TREE

DEMOLITION - REMOVE AND RETAIN LIGHT POLE FOR RELOCATION SANITARY/STORM SEWER PLUG STANDARD CURB AND GUTTER REJECT CURB AND GUTTER 18" CONCRETE VALLEY GUTTER

> ASPHALT PAVEMENT CONCRETE PAVEMENT HEAVY DUTY CONCRETE PAVEMENT

MG&E CLEAR ZONE

VISION TRIANGLE

959 PROPOSED 1 FOOT CONTOUR - - - ·959· - EXISTING 1 FOOT CONTOUR EXISTING 5 FOOT CONTOUR

> LIGHT POLE (REFER TO PHOTOMETRIC PLAN) ADA PARKING SIGN BOLLARD

BOLLARD WITH ADA PARKING SIGN BIKE RACK

SANITARY SEWER

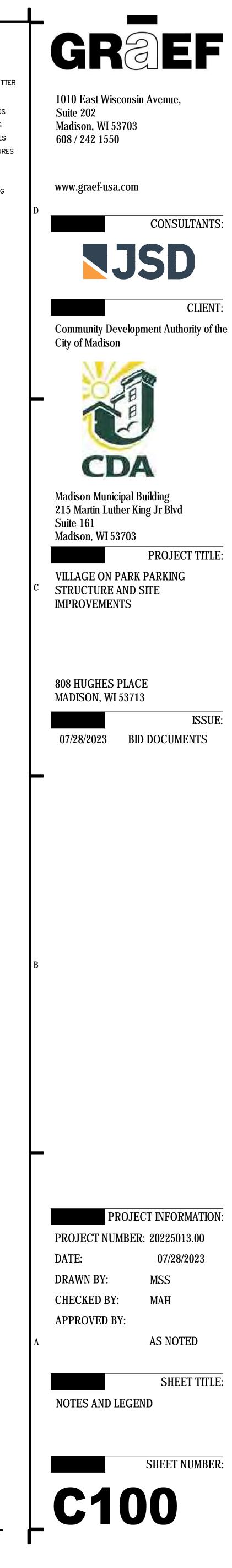
8'x4'x4" INSULATION (PLAN VIEW) 8'x4'x4" INSULATION (PROFILE VIEW)

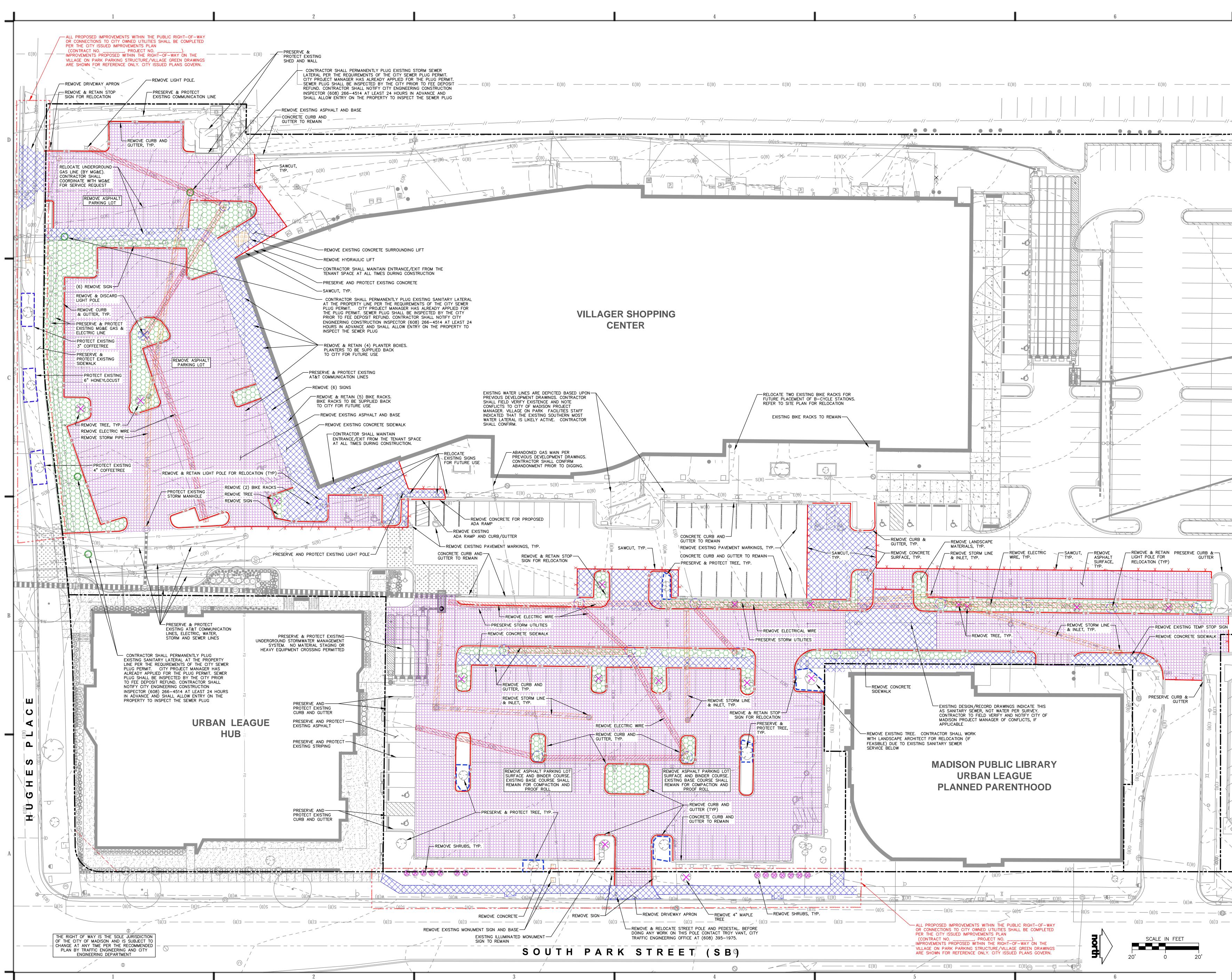
CONSTRUCTION ENTRANCE

SPOT FLEVATION - EDGE OF PAVEMENT EC - EDGE OF CONCRETE BOC - BACK OF CURB EX - MATCH EXISTING GRADE

INLET PROTECTION

CONCRETE WASH STATION AREA







DEMO PLAN

CHECKED BY:

SHEET TITLE:

SHEET NUMBER:

APPROVED BY: AS NOTED

07/28/2023 MWS KJY

PROJECT INFORMATION: PROJECT NUMBER: 20225013.00 DATE: DRAWN BY:

07/28/2023

BID DOCUMENTS

ISSUE:

808 HUGHES PLACE

MADISON, WI 53713

PROJECT TITLE: VILLAGE ON PARK PARKING STRUCTURE AND SITE **IMPROVEMENTS**

Madison Municipal Building 215 Martin Luther King Jr Blvd Suite 161 Madison, WI 53703

CLIENT: Community Development Authority of the

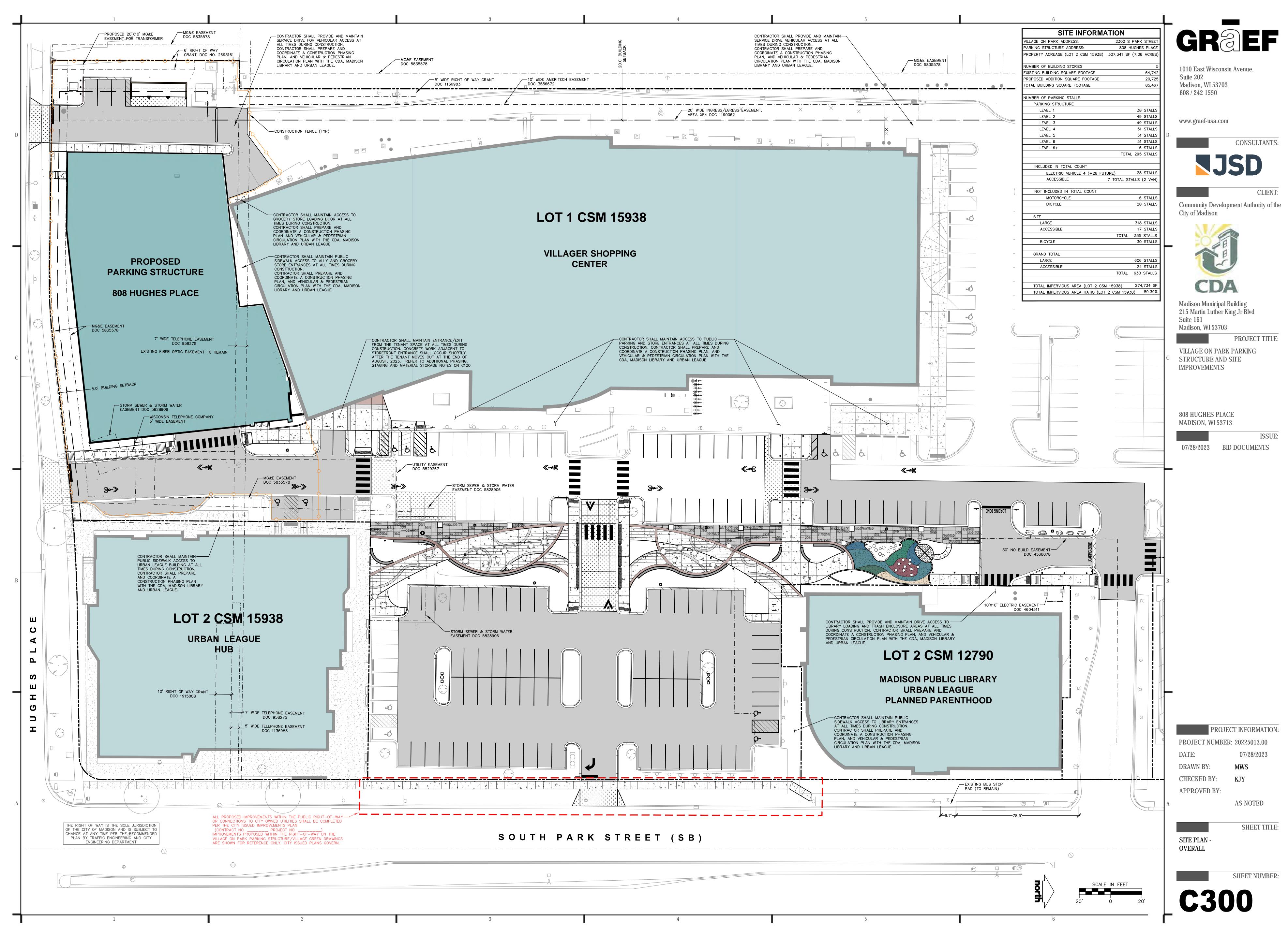
CONSULTANTS:

1010 East Wisconsin Avenue, Suite 202 Madison, WI 53703 608 / 242 1550

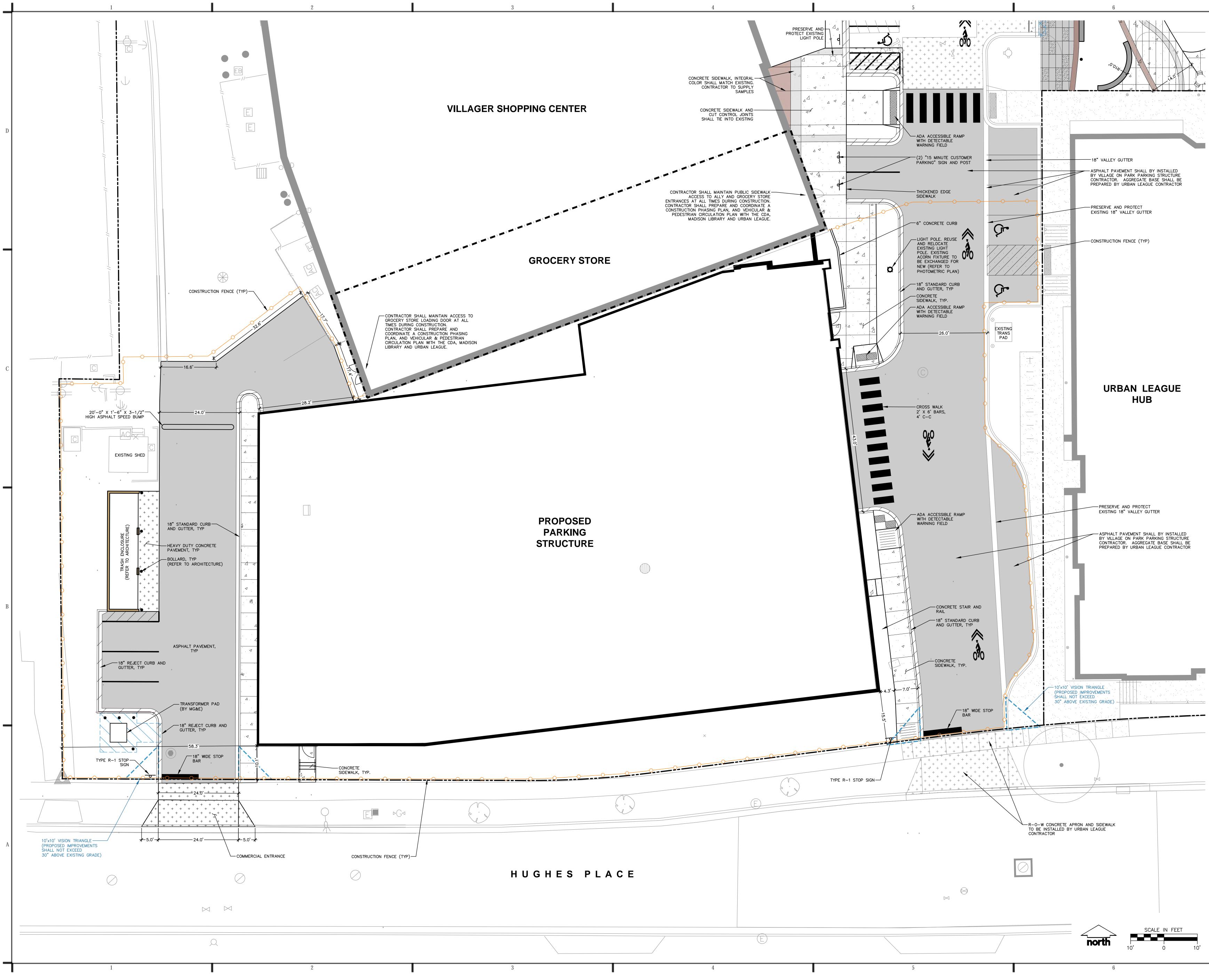
www.graef-usa.com

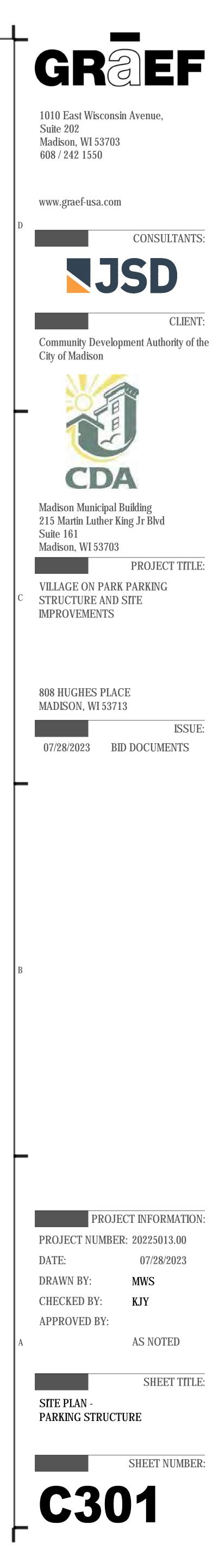
City of Madison

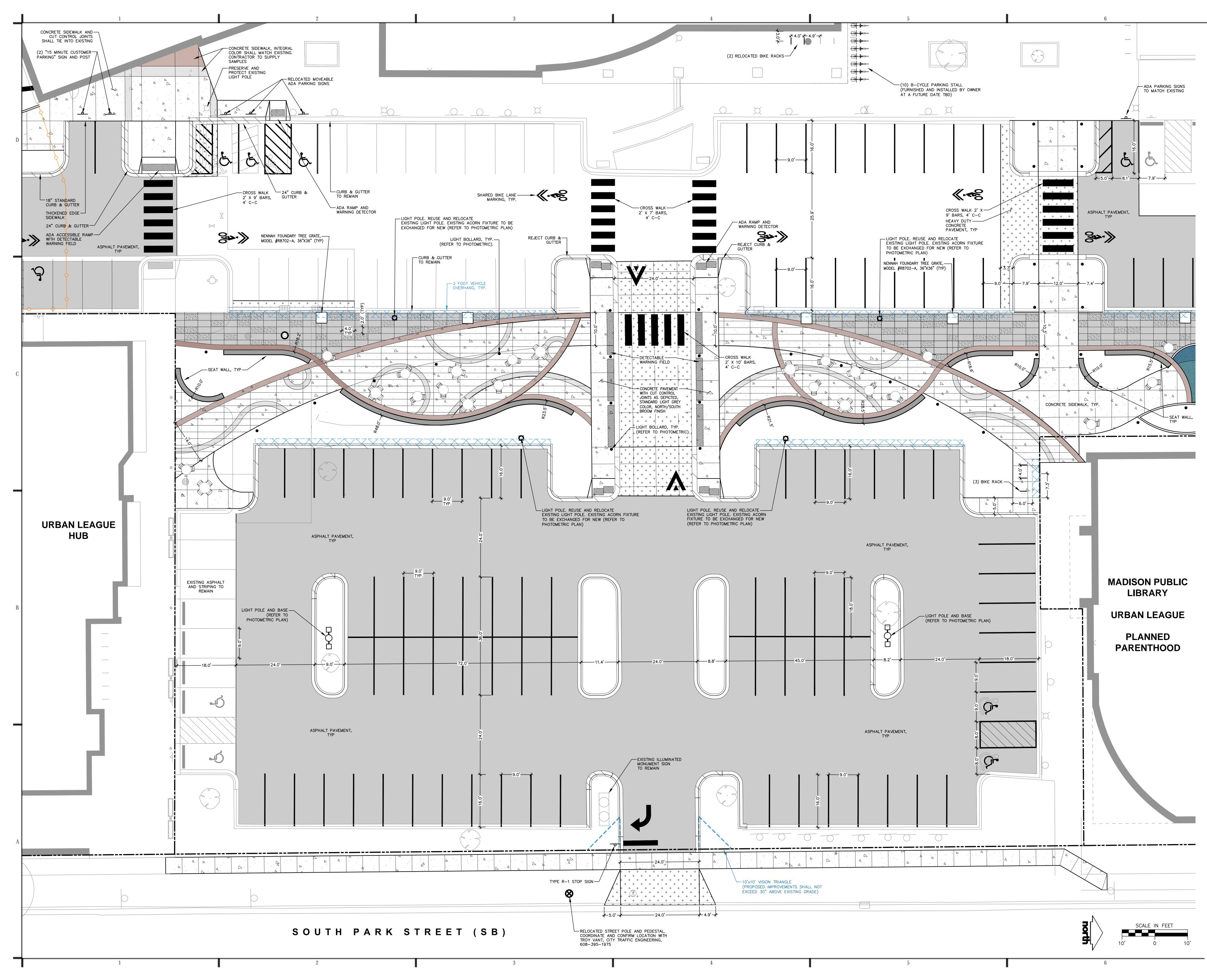
GRZEF



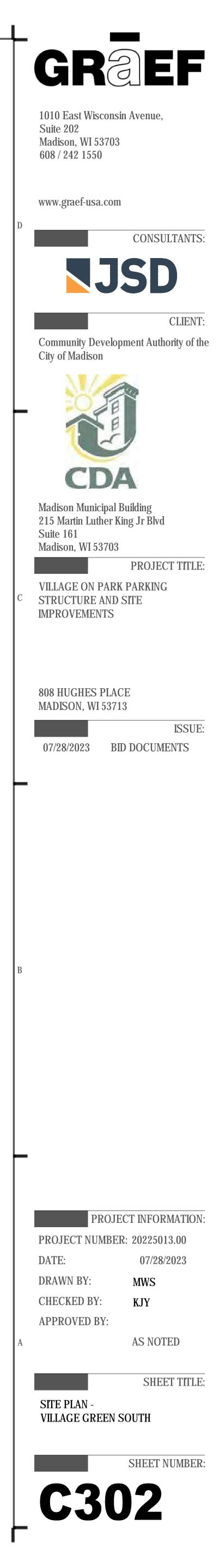
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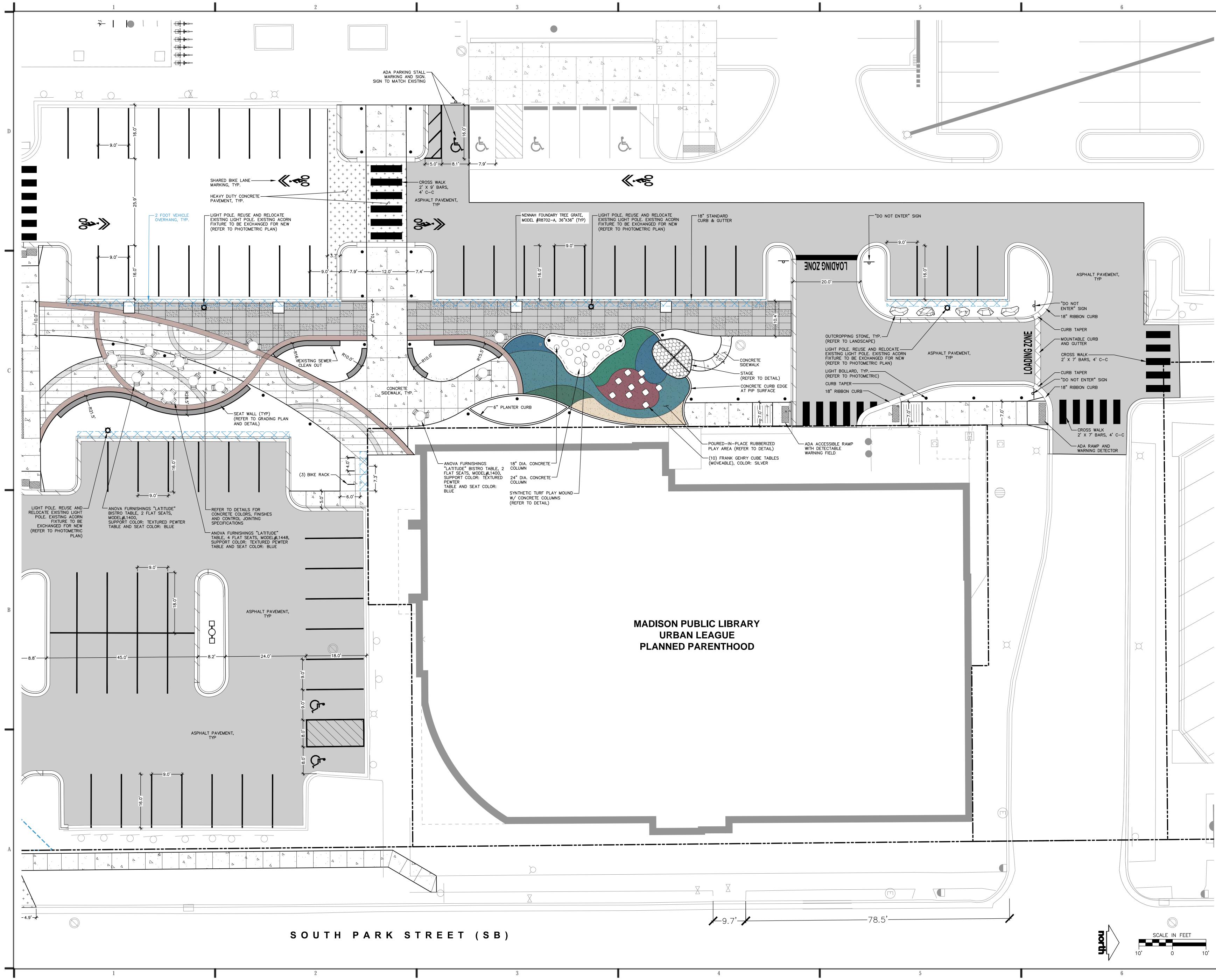


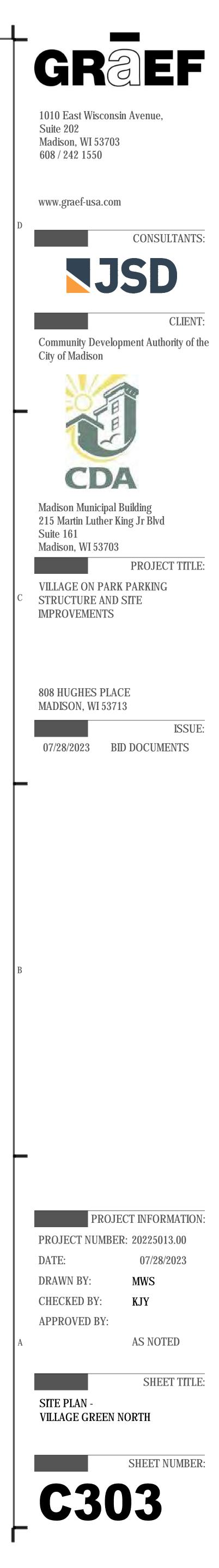


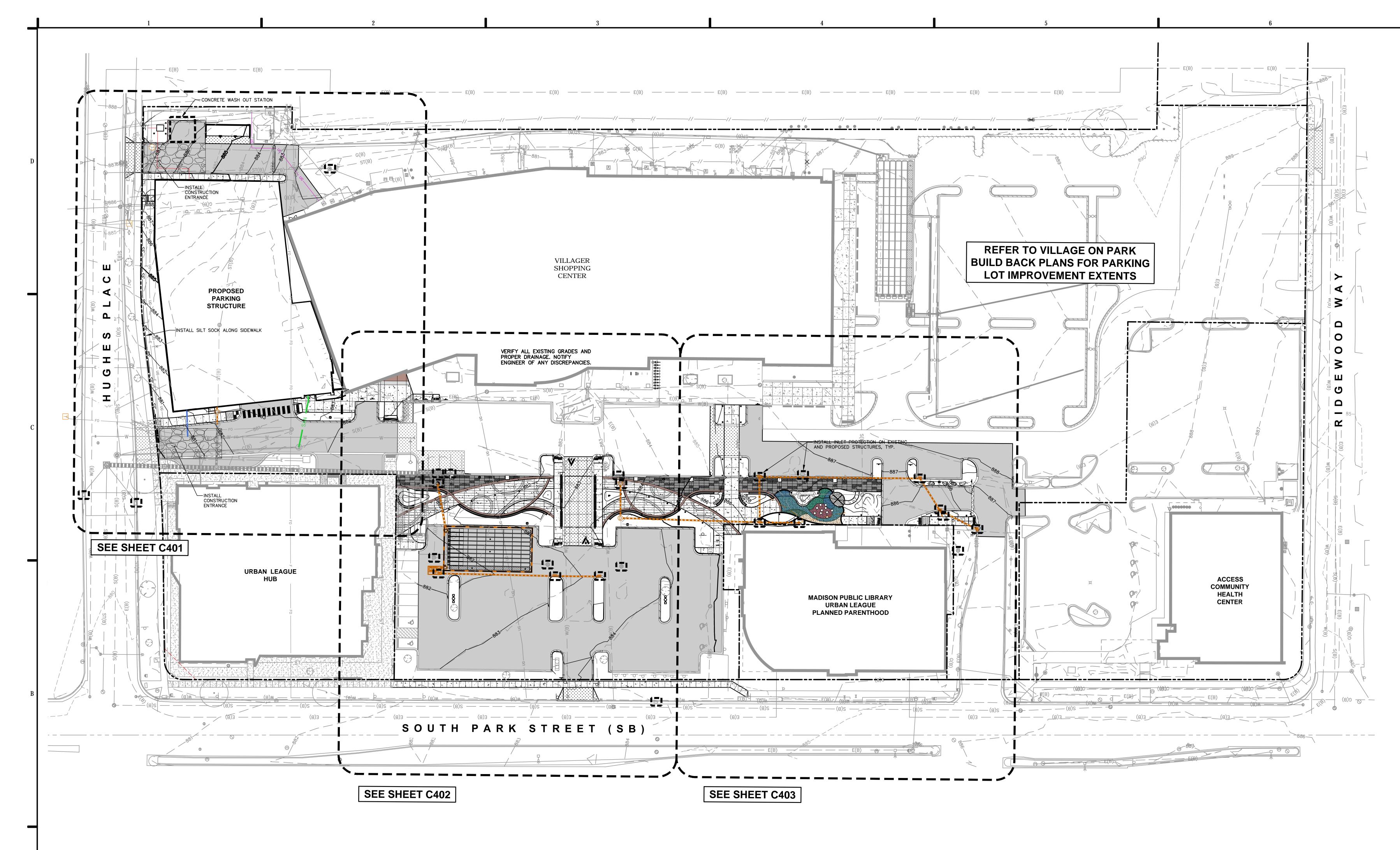


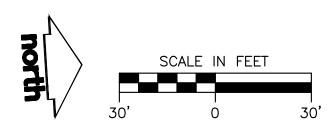
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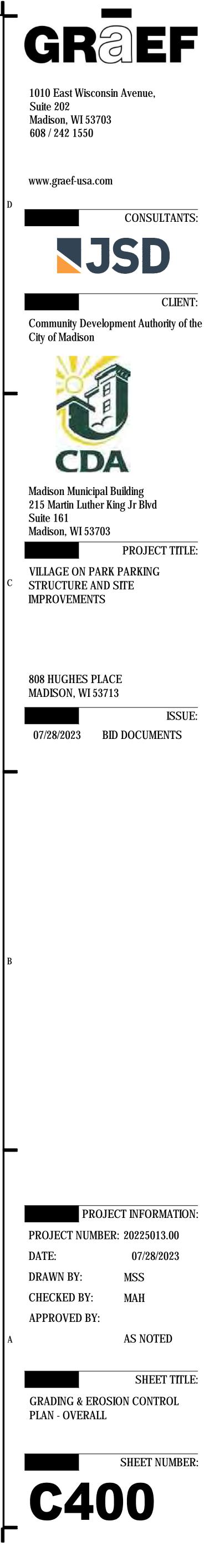


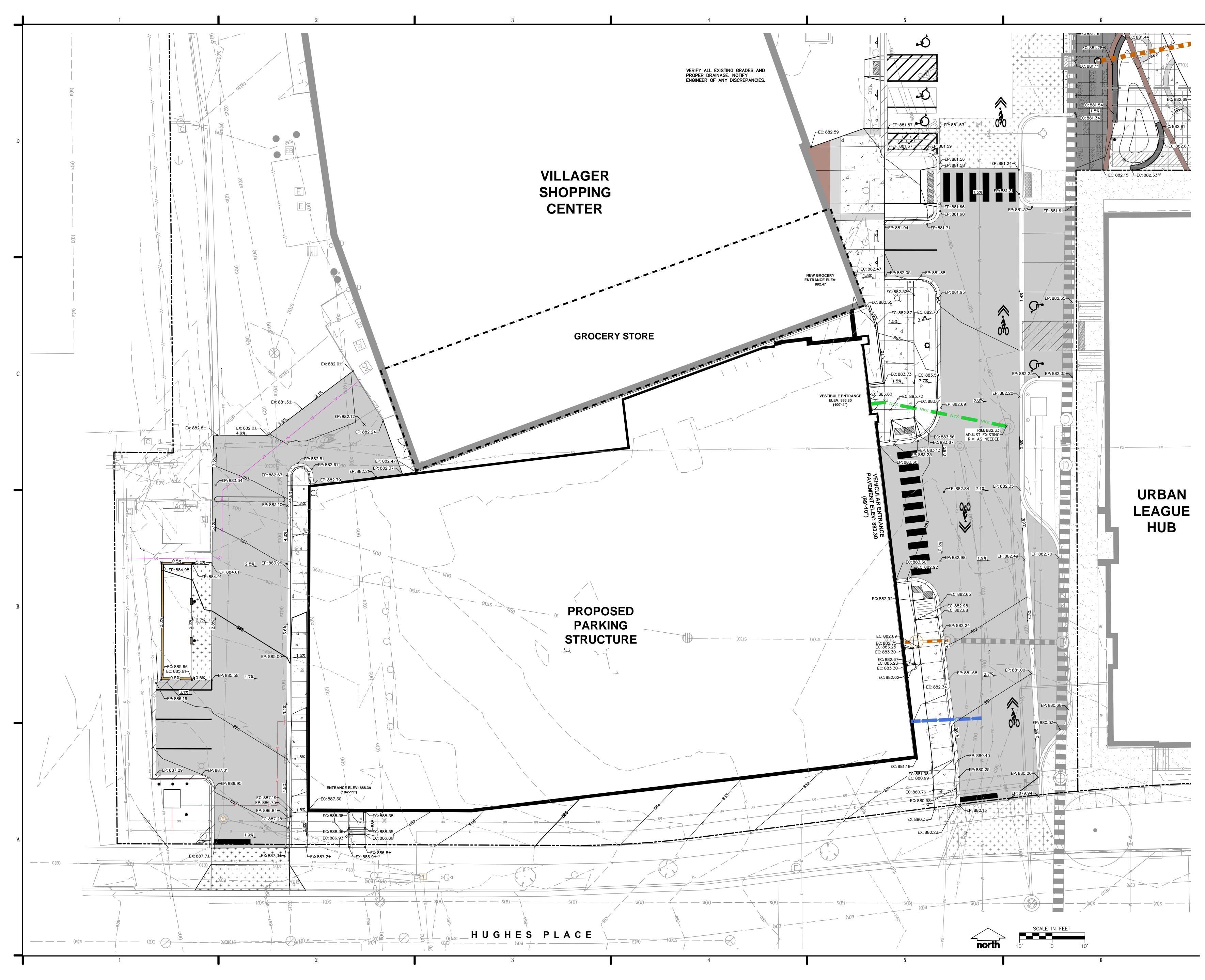




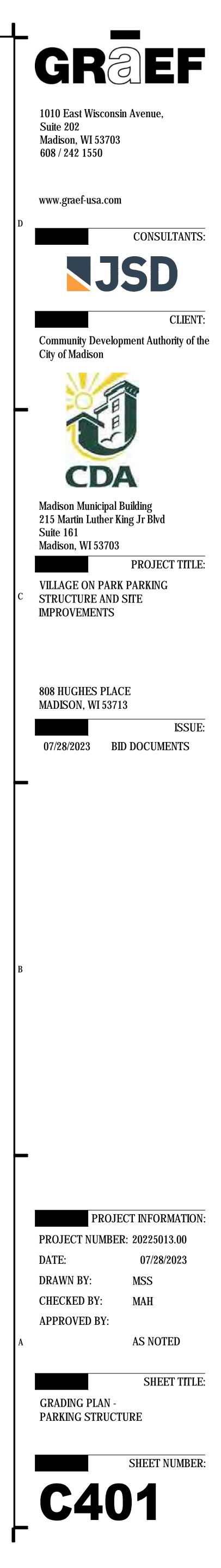


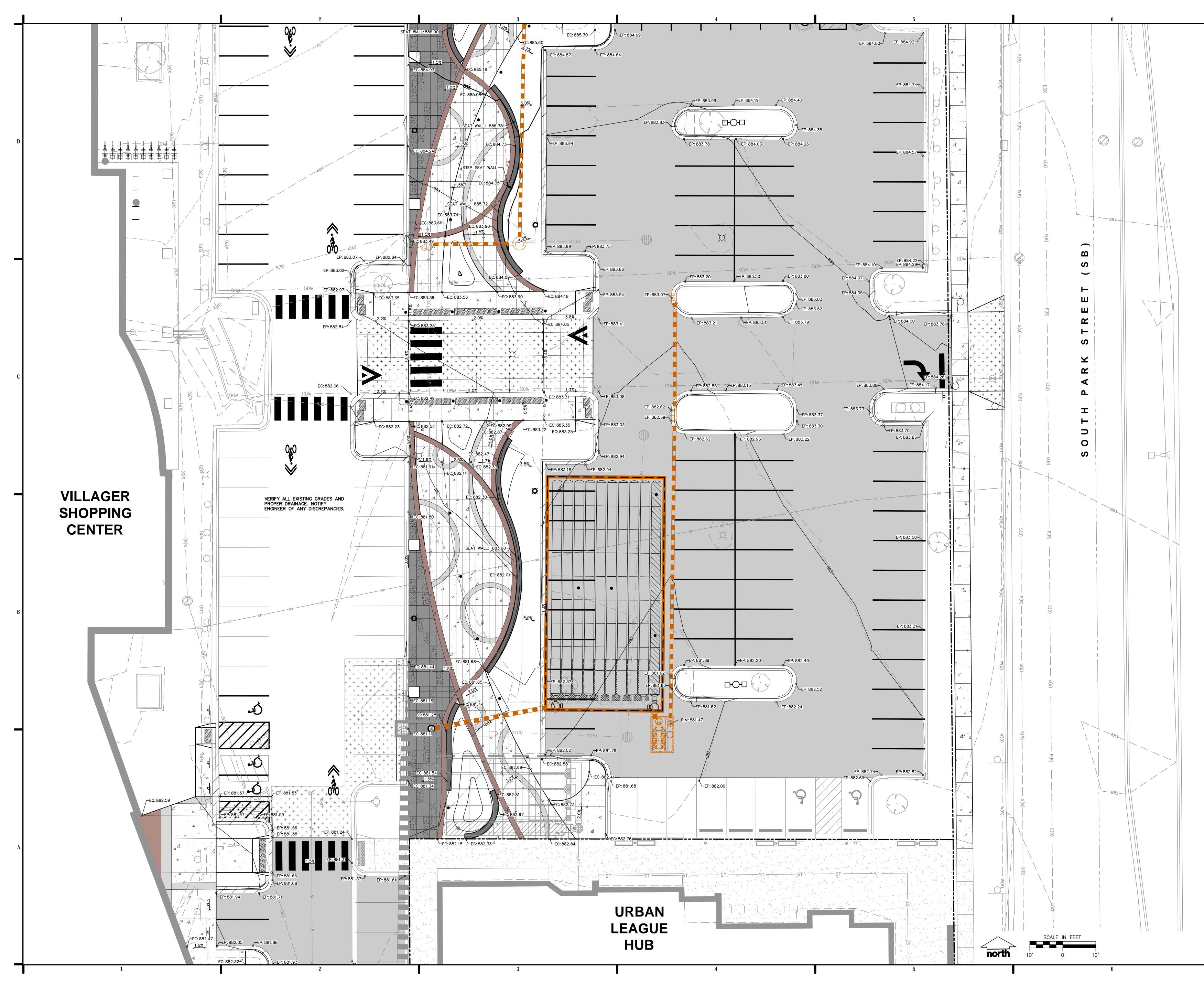


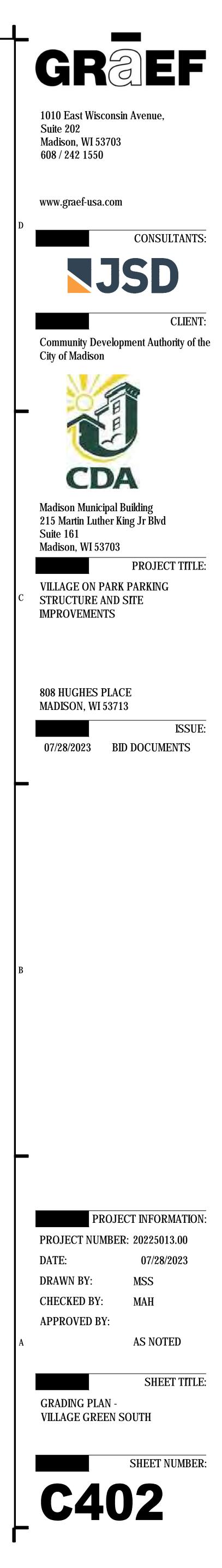


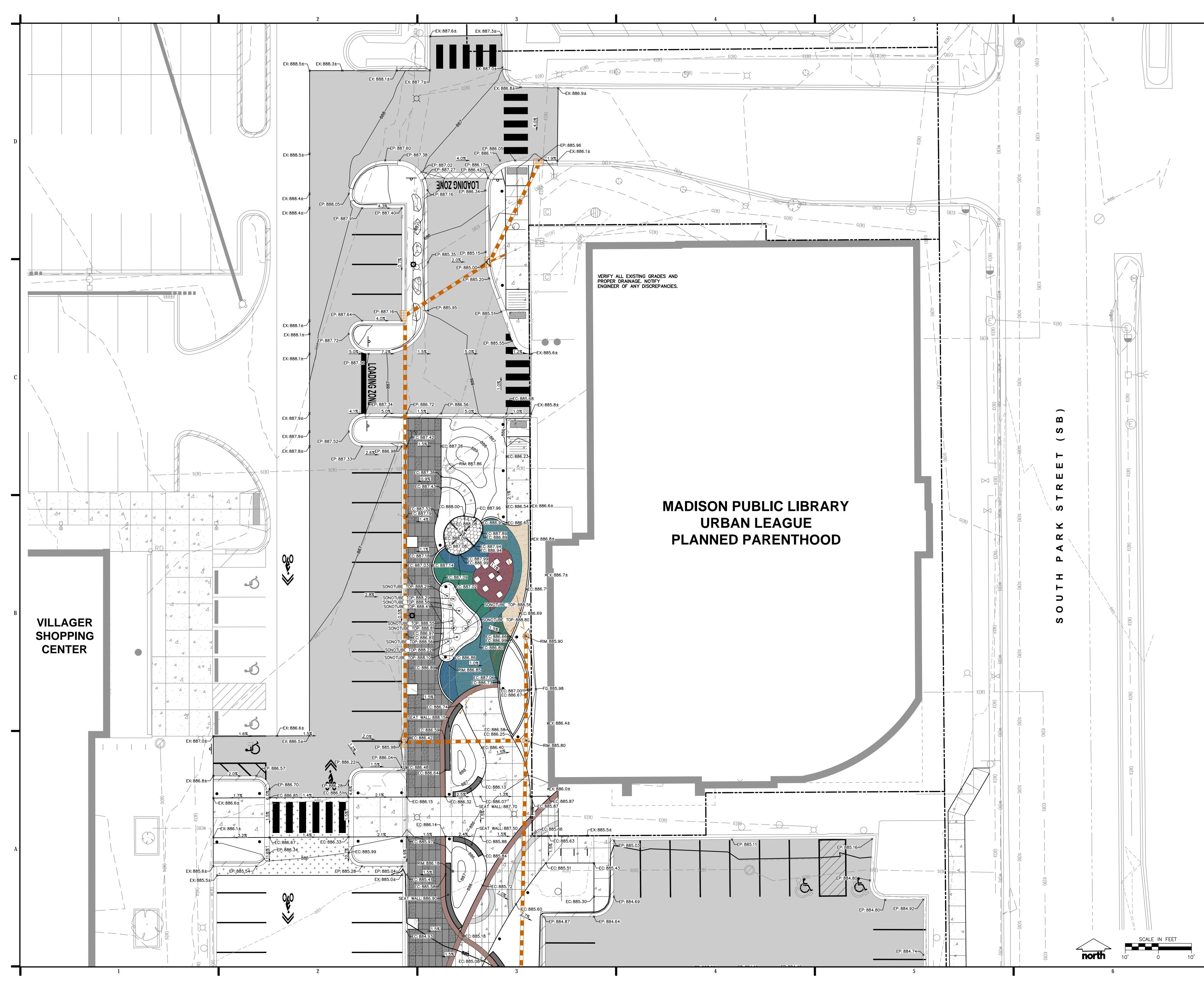


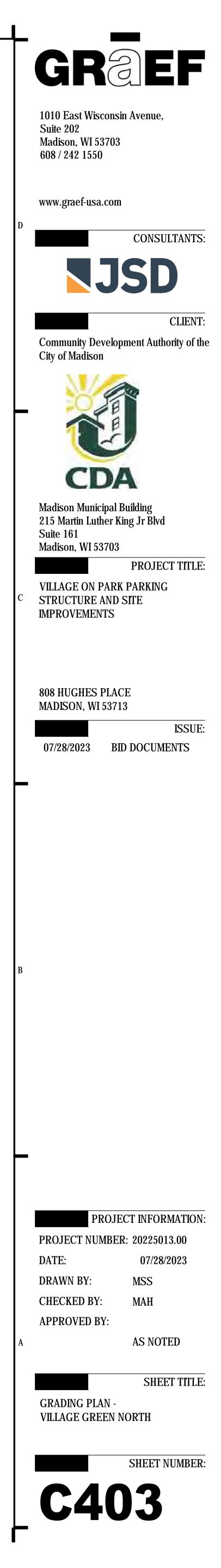
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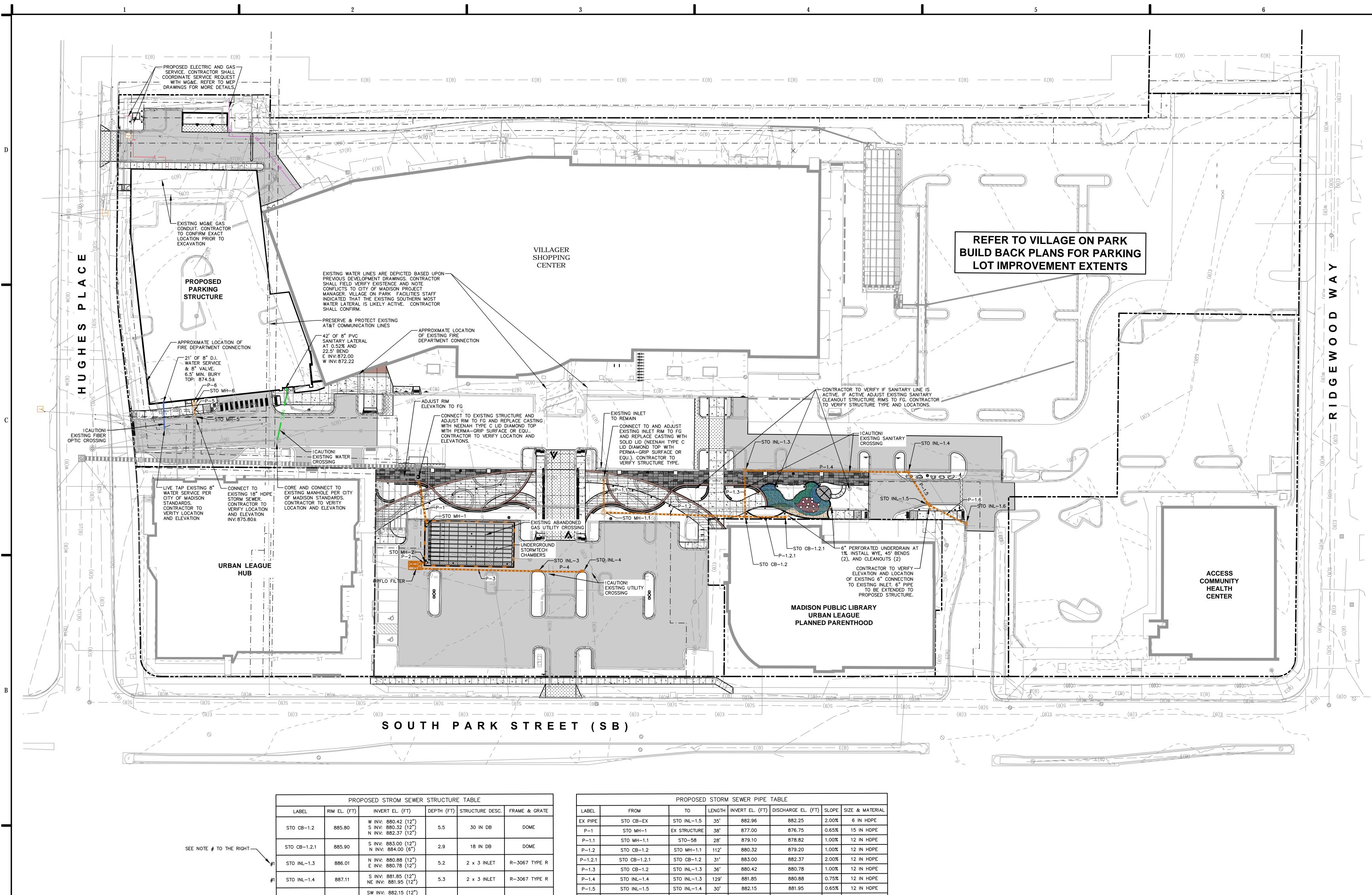














2 x 3 INLET R-3067 TYPE R 2.8 2 x 3 INLET R-3067 TYPE R 2 x 3 INLET R-3067 TYPE R 2 x 3 INLET R-3067 TYPE R 3.0 48 IN MH (FLAT) R-1550 SOLID LID 4.8 48 IN MH (FLAT) R-1550 SOLID LID 8.7 6.8 48 IN MH (FLAT) R-1550 SOLID LID 48 IN MH (FLAT) R-1550 SOLID LID 9.3 60 IN MH (FLAT) R-1550 SOLID LID 8.1

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STO INL-1.5

STO INL-1.6

STO INL-3

STO INL-4

STO MH-1

STO MH-1.1

STO MH-2

STO MH-5

STO MH-6

UPFLO FILTER

884.94

885.95

882.53

883.01

881.68

884.84

881.62

882.07

882.67

881.47

NE INV: 882.25 (6")

NE INV: 882.15 (12")

SW INV: 882.80 (12")

S INV: 879.40 (12")

S INV: 880.03 (12")

W INV: 877.00 (15")

N INV: 876.83 (12")

E INV: 876.83 (12")

W INV: 879.10 (12")

N INV: 879.20 (12")

N INV: 876.83 (12")

W INV: 876.83 (12") S INV: 876.93 (15")

EX E INV: 875.80 (18")

W INV: 878.29 (10")

E INV: 878.60 (10")

W INV: 878.70 (10")

_

N INV: 879.50 (12")

PROPOSED STORM SEWER PIPE TABLE							
LABEL	FROM	то	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
EX PIPE	STO CB-EX	STO INL-1.5	35'	882.96	882.25	2.00%	6 IN HDPE
P-1	STO MH-1	EX STRUCTURE	38'	877.00	876.75	0.65%	15 IN HDPE
P-1.1	STO MH-1.1	ST0-58	28'	879.10	878.82	1.00%	12 IN HDPE
P-1.2	STO CB-1.2	STO MH-1.1	112'	880.32	879.20	1.00%	12 IN HDPE
P-1.2.1	STO CB-1.2.1	STO CB-1.2	31'	883.00	882.37	2.00%	12 IN HDPE
P-1.3	STO CB-1.2	STO INL-1.3	36'	880.42	880.78	1.00%	12 IN HDPE
P-1.4	STO INL-1.4	STO INL-1.3	129'	881.85	880.88	0.75%	12 IN HDPE
P-1.5	STO INL-1.5	STO INL-1.4	30'	882.15	881.95	0.65%	12 IN HDPE
P-1.6	STO INL-1.6	STO INL-1.5	33'	882.80	882.15	1.96%	12 IN HDPE
P-2	UPFLO OUT	STO MH-2	4'	877.00	876.93	1.85%	15 IN HDPE
P-3	STO INL-3	UPFLO FILTER	93'	879.40	878.30	1.18%	12 IN HDPE
P-4	STO INL-4	STO INL-3	36'	880.03	879.50	1.50%	12 IN HDPE
P-5	STO MH-6	STO MH-5	10'	878.60	878.29	3.20%	10 IN HDPE
P-6	PARKING STRUCTURE ROOF	STO MH-6	4'	878.80	878.70	2.50%	10 IN HDPE
	NOTE:	-					
	ALL OPEN GRATE STRUCTUR	RES TO RECEIVE			т		

ALL OPEN GRATE STRUCTURES TO RECEIVE FLEXSTORM CATCH IT INLET FILTERS DURING CONSTRUCTION

#1 - INSTALL FLEXSTORM PURE INLET BASKET WITH OIL AND GREASE POUCH

#2 – 48" MANHOLE WITH 3' SUMP

#3 - 48" MANHOLE WITH 3' SUMP AND 6-MODULE UPFLO FILTER BY HYDRO

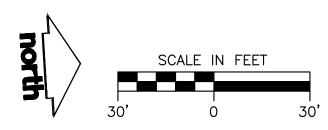
INTERNATIONAL. MANHOLE RIM TO BE POSITIONED OUT OF CURB LINE #4 – 5' STORM MANHOLE WITH 4' SUMP, OIL AND GREASE BAFFLE (SNOUT BY

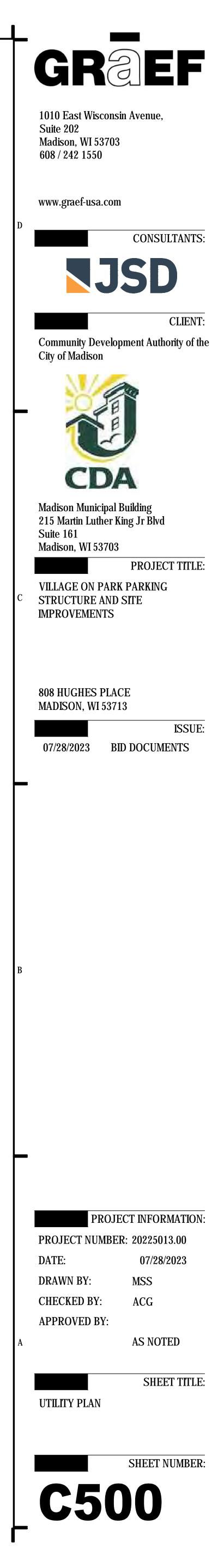
BMP INC. MODEL 18R OR EQU.), AND ONE (1) BIO-SKIRT BY BMP INC. OR EQU.. MANHOLE RIM TO BE POSITIONED OUTSIDE OF SIDEWALK.

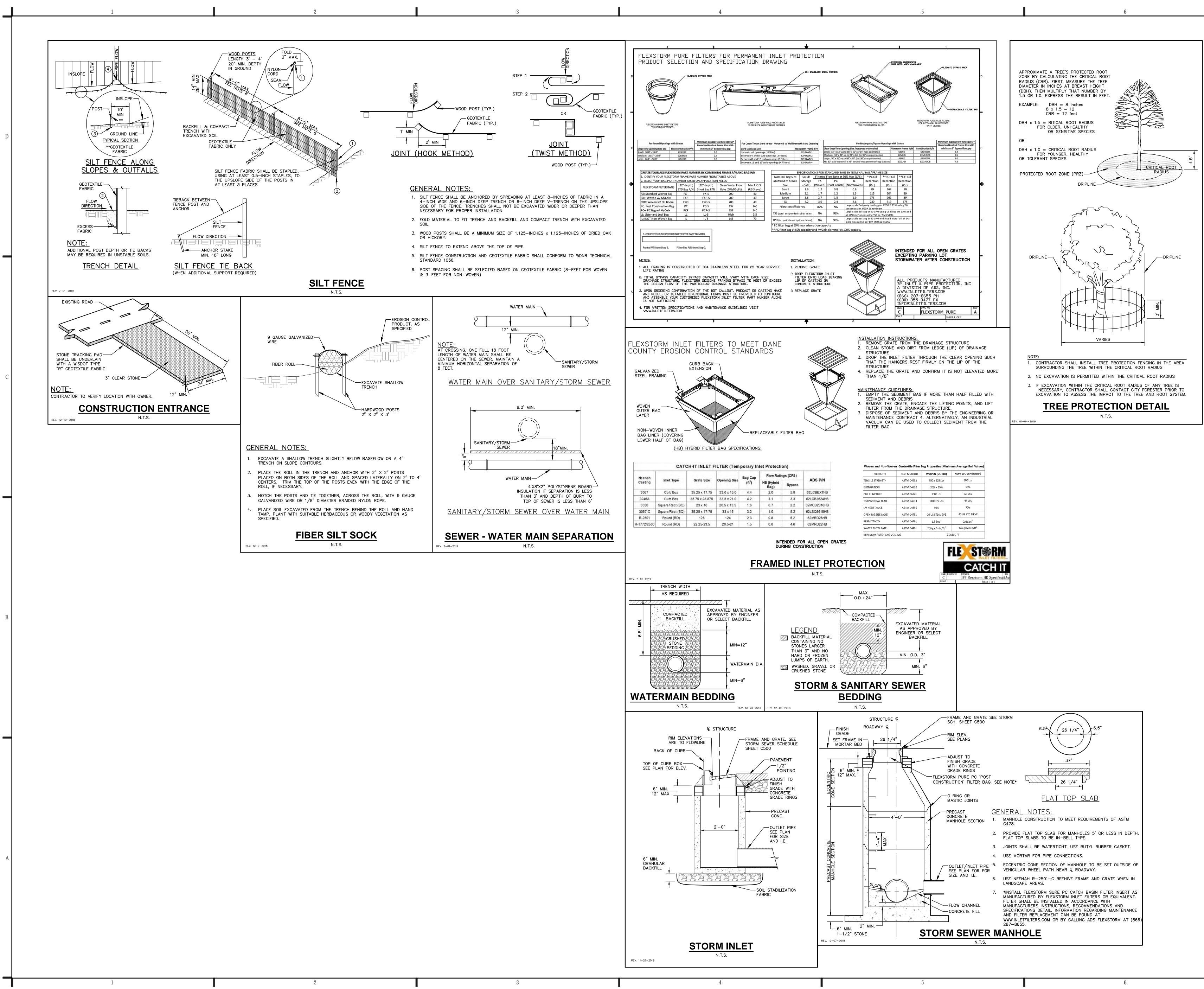
#5 - 12 MODULE UPFLO FILTER VAULT. OPEN GRATE TO RECEIVE FLEXSTORM PURE INLET BASKET WITH OIL AND GREASE POUCH

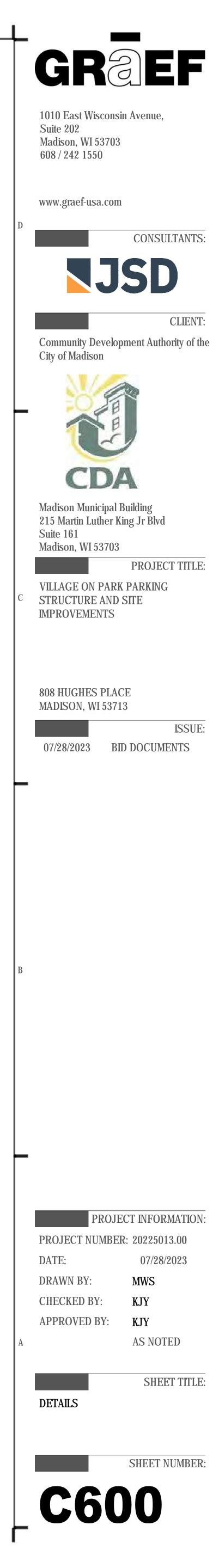
#6 - WEIR PLATE WITH 10" ORIFICE AT 877.00 AND TOP OF WEIR AT 878.25

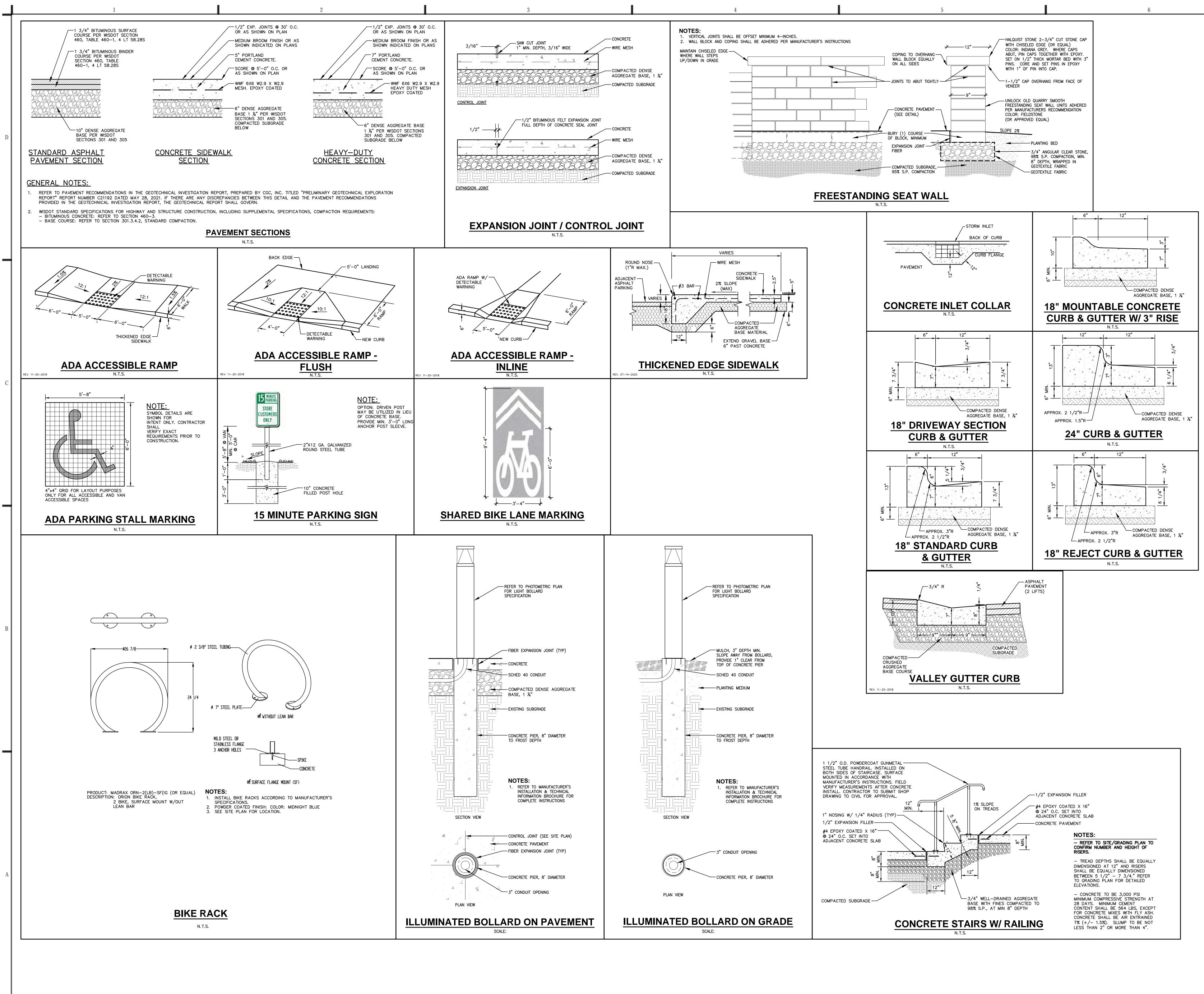
#7 – 2' SUMP AND WEIR PLATE WITH TOP AT 877.00





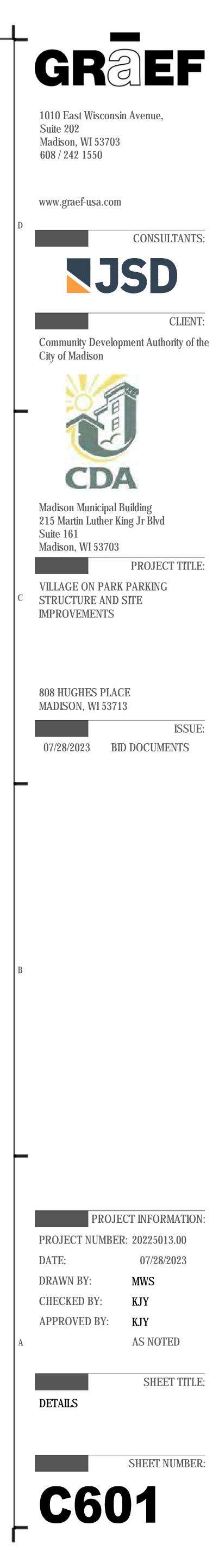


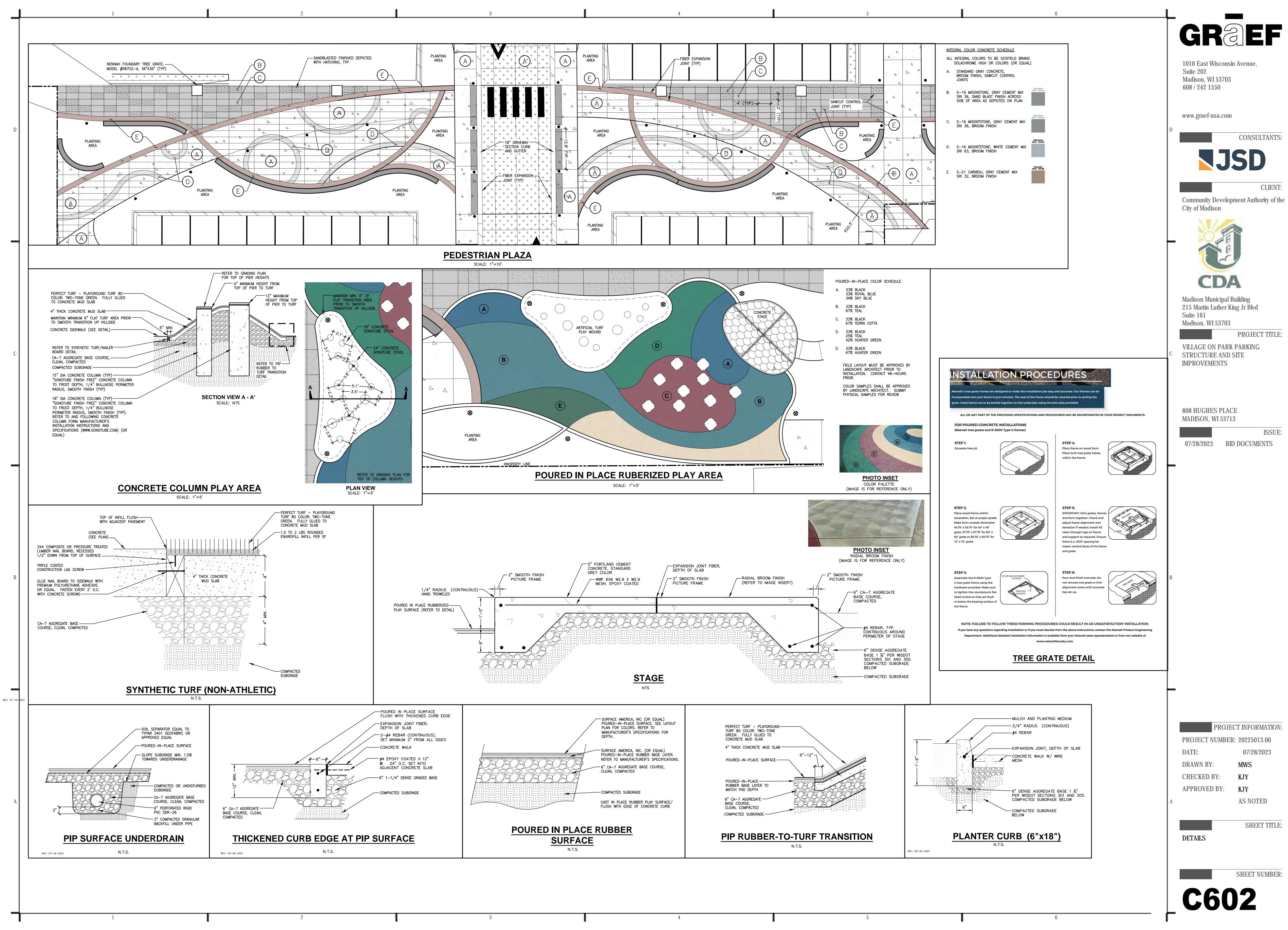




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	PROJECT INFORMATION					
	ENGINEERED PRODUCT MANAGER ADS SALES REP			ed Drainage Sys	TM	
	PROJECT NO.	LLAGE ON				TR
	 SCASTOC STORMETCICAL CHAMPEER SPECIFICAL CHAMBERS SHALL BE STORMECH SC-310. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM V POLYETHYLENE COPOLYMERS. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMB POLYETHYLENE COPOLYMERS. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNDBSTRUCTED INTERNAL SI MEDDE FLOW OR LIMIT ACCESS FOR INSPECTION. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, J THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LIFPD BRIDGE DESIGN SI LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED FOR IMPACT AND MULTIPLE VENICLE PRESENCES. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATION STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORR LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (14 MIN) ASHT MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH TEQUIREMENTS FOR HANDLING AND INSTALLATION AND BACKFILL, IA STANDARD PRACTICE FOR STRUCTUREL DESIGN OF THERMOPLASTIC CORR LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (14 MIN) ASHT MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH TO ENGURE THEI INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED INS (14 MIN) ASHT TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED INS (14 MIN) ASHT TO ENSURE THE INTEGRITY OF THE RACH SHAPE DURING INSTALLATION GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED INS (14 MIN) ASHT TO ENSURE THA THAR APPROVED BY THE SITE DESIGN ENGINERER OR MINER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PE INTERDE CORDINERS THAT ARE APPROVED BY THE SITE DESIGN ENGINERENT FOR YASTM LENGT DESIGN SPECIFICIATION SHALL BE SEALED BY	IRGIN, IMPACT-MODIFIED POLYPROPY OR ASTM F2418 (POLYPROPYLENE), ERS". PACE WITH NO INTERNAL SUPPORTS IND THE INSTALLATION REQUIREMEN PECIFICATIONS, SECTION 12.12, ARE I ON THE AASHTO DESIGN TRUCK WITH TIONS DETERMINED IN ACCORDANCE JGATED WALL STORMWATER COLLEC DESIGN TRUCK LIVE LOAD ON MINIM PARKED (1-WEEK) AASHTO DESIGN T NG, CHAMBERS SHALL HAVE INTEGRA HEIGHT OF THE CHAMBER JOINT SH. A, a) THE ARCH STIFFNESS CONSTANT DTION 6.2.8 OF ASTM F2418. AND b) TC BOVE 73° F / 23° C), CHAMBERS SHALL BE ALLOWED. UPON REQUEST BY THI JCTURAL EVALUATION FOR APPROVA OFESSIONAL ENGINEER. Y FACTORS ARE GREATER THAN OR F F2787 AND BY SECTIONS 3 AND 12.12 L BE USED FOR PERMANENT DEAD L	"STANDARD S THAT WOULD ITS SHALL ENSURE MET FOR: 1) 1 CONSIDERATION E WITH ASTM F2787, CTION CHAMBERS". AUM COVER 2) TRUCK. AL, INTERLOCKING IALL NOT BE LESS T SHALL BE D RESIST CHAMBER L BE PRODUCED IE SITE DESIGN AL BEFORE EQUAL TO 1.95 FOR 2 OF THE AASHTO	IMPORTANT 1. EXISTING SU TILLING MAN ENGINEER. 2. STORMTECH PRE-CONSTR 3. STORMTECH 4. CHAMBERS / STORMTECH 4. CHAMBERS / STORMTECH 5. JOINTS BETV 6. MAINTAIN MI 7. EMBEDMENT 8. THE CONTR/ ENGINEER. 9. ADS RECOM STORMWATE 1. STORMTECH 2. THE USE OF NO EQ 9. ADS RECOM STORMWATE 1. STORMTECH 2. THE USE OF 9. NO EQ 9. NO RU WITH T 9. STORMTECH 1. STORMWATE 3. FULL 36" (900) WEIGH 3. 3. FULL 36" (900)	- NOTES FOR BGRADE TO HAVE O BE REQUIRED. OVE A SC-310 CHAMBERS RUCTION MEETING W A SC-310 CHAMBERS ARE NOT TO BE BACI I RECOMMENDS 3 BA SHOOTER LOCATED ILL AS ROWS ARE BU ILL FROM OUTSIDE T ATION STONE SHALL WEEN CHAMBERS SH NIMUM - 6" (150 mm) T STONE SURROUND ACTOR MUST REPOR MENDS THE USE OF ER MANAGEMENT SY CONSTRUCTION EQ UIPMENT IS ALLOWE BBER TIRED LOADEF THE "STORMTECH SO O DIST ABILIZED TO PUSH EMBEDMEN	5 IN/HR IN R EXCAVA SHALL NO ITH THE IN SHALL BE (FILLED W CKFILL ME OFF THE O IILT USING HE EXCAV BE LEVELI ALL BE PF SPACING E NG CHAM T ANY DIS "FLEXSTO STEM FRC ON EQI SHALL BE JIPMENT (D ON BARI S, DUMP T -310/SC-74 "RUCTION COVER M T STONE I
	PROPOSED LAYOUT PROPOSED ELEVATIONS 90 STORMTECH SC-310 CHAMBERS 886.08 MAXIMUM ALLOWABLE GRADE (T 20 STORMTECH SC-310 END CAPS 880.08 MINIMUM ALLOWABLE GRADE (U 6 STONE ABOVE (in) 879.58 MINIMUM ALLOWABLE GRADE (U 6 STONE BELOW (in) 879.58 MINIMUM ALLOWABLE GRADE (U 6 STONE VOID 879.58 MINIMUM ALLOWABLE GRADE (IC) 40 % STONE VOID 879.58 MINIMUM ALLOWABLE GRADE (IC) 3,118 INSTALLED SYSTEM VOLUME (CF) 878.58 TOP OF STONE 2,487 SYSTEM AREA (ft²) 876.83 18" X 12" BOTTOM MANIFOLD INV 212 SYSTEM PERIMETER (ft) 876.83 18" X 12" BOTTOM CONNECTION INVEF 876.75 BOTTOM OF SC-310 CHAMBER 876.75 BOTTOM OF SC-310 CHAMBER 876.58 18" X 12" BOTTOM MANIFOLD INV 876.58 18" X 12" BOTTOM MANIFOLD INV	NPAVED WITH TRAFFIC) NPAVED NO TRAFFIC) ASE OF FLEXIBLE PAVEMENT) OP OF RIGID PAVEMENT) ERT (12" PIPE) CTION INVERT T	PART TYPE PREFABRICATED EZ ENE FLAMP MANIFOLD 48" CONCRETE STRUCTU 48" CONCRETE STRUCTU (INLET W/ ISO PLUS ROW INSPECTION PORT	J CAP A CC B INS C C CC JRE D 48' JRE J E 48'	BOTTOM PREFABRI NNECTIONS AND ISC STALL FLAMP ON 12" NCENTRIC MANIFOL NCENTRIC MANIFOL DIAMETER WITH WE DIAMETER (24.00" S SEE DETAIL	LATOR PL ACCESS P D 12" x 12" D 12" x 12" IR PLATE
_			71.39'			
			65.25'			
			ERMINED BY SITE DESIGN E			



INSTALLATION INSTRUCTIONS VISIT OUR APP

3

RUCTURE

BIDDING AND INSTALLATION OF THE SC-310 SYSTEM INFILTRATION RATE AND VERIFIED BY GEOTECHNICAL ENGINEER. OVER EXCAVATION AND/OR DEEP

ATION MAY BE FILLED WITH SOILS WITH 0.5 IN/HR OR GREATER SOILS APPROVED BY GEOTECHNICAL IOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A

INSTALLERS. E INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE". WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.

ETHODS: E CHAMBER BED. G AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE. AVATION USING A LONG BOOM HOE OR EXCAVATOR.

ELED AND COMPACTED PRIOR TO PLACING CHAMBERS.

PROPERLY SEATED PRIOR TO PLACING STONE.

G BETWEEN THE CHAMBER ROWS.

MBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm). SCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN

ORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE ROM CONSTRUCTION SITE RUNOFF.

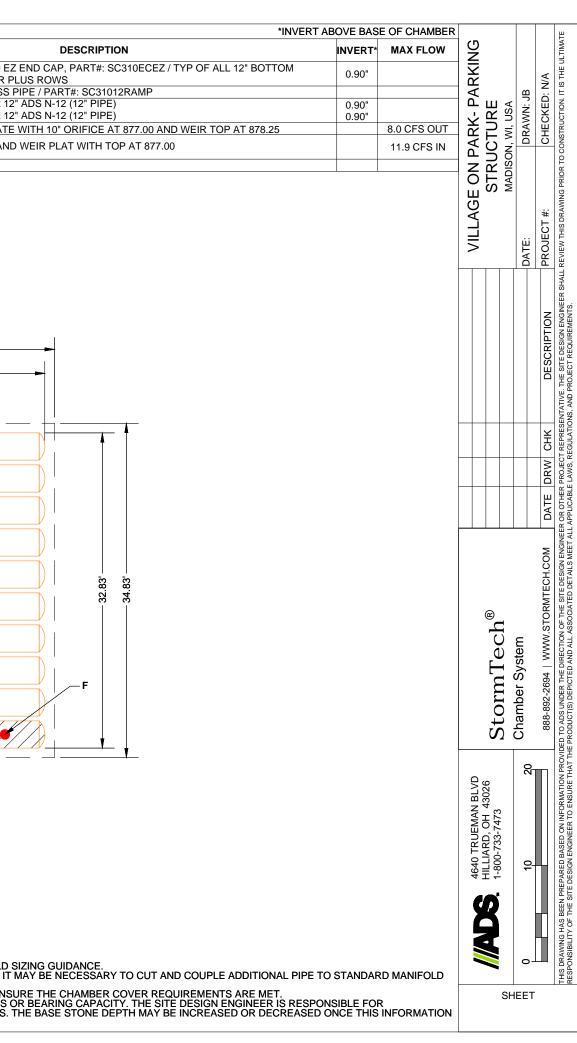
UIPMENT

E INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE". TOVER SC-310 & SC-740 CHAMBERS IS LIMITED:

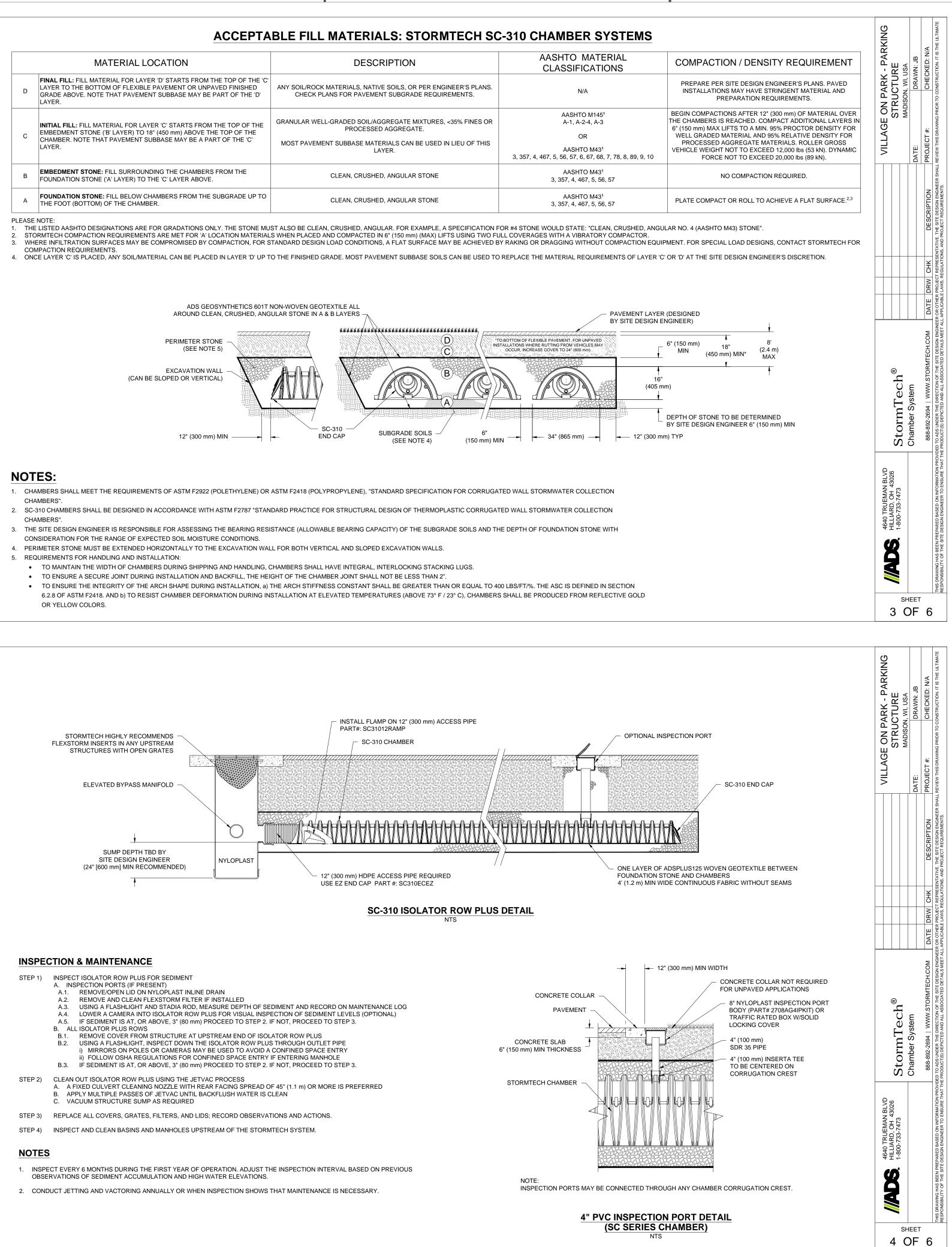
TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE 740/DC-780 CONSTRUCTION GUIDE". N EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE". MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

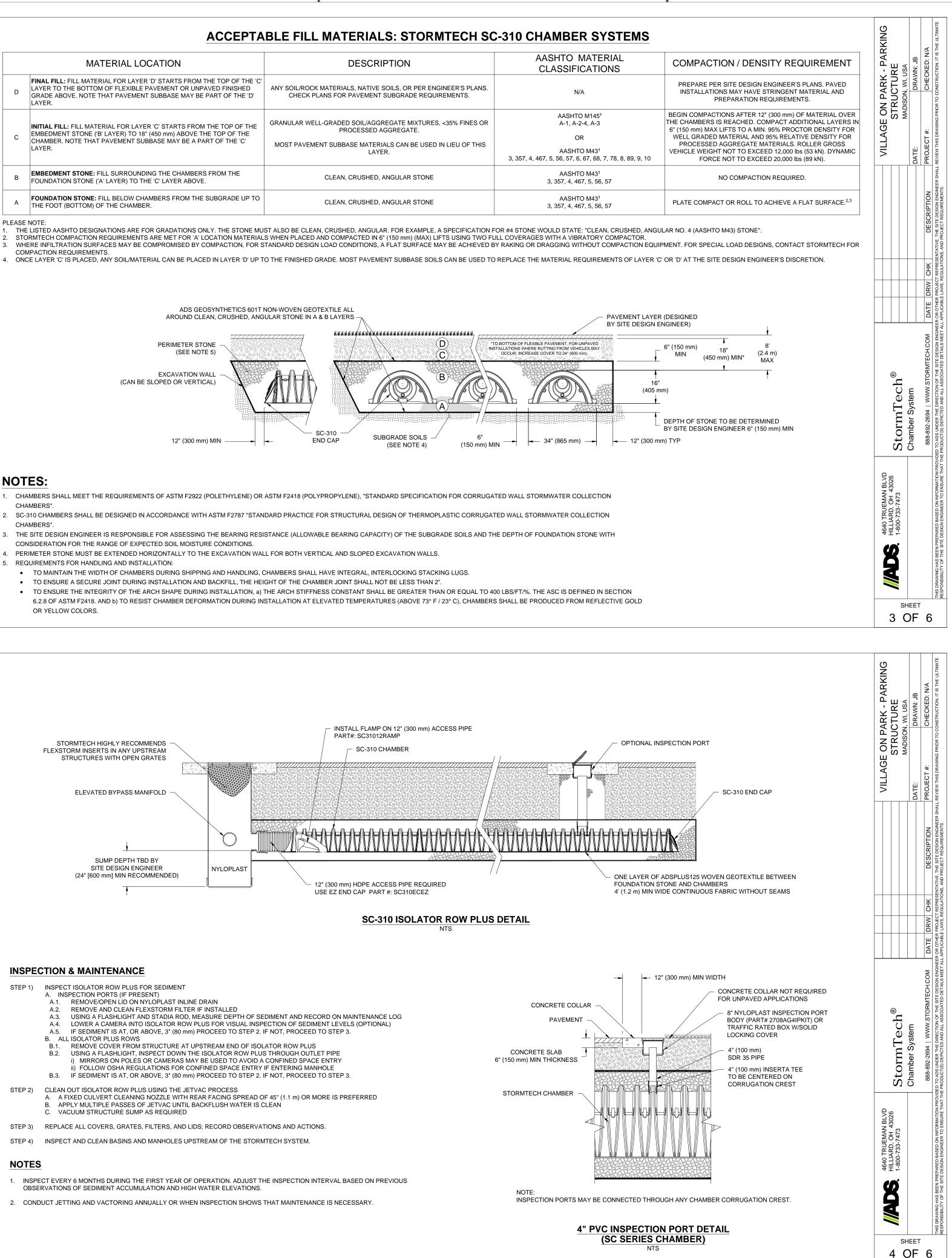
E BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH

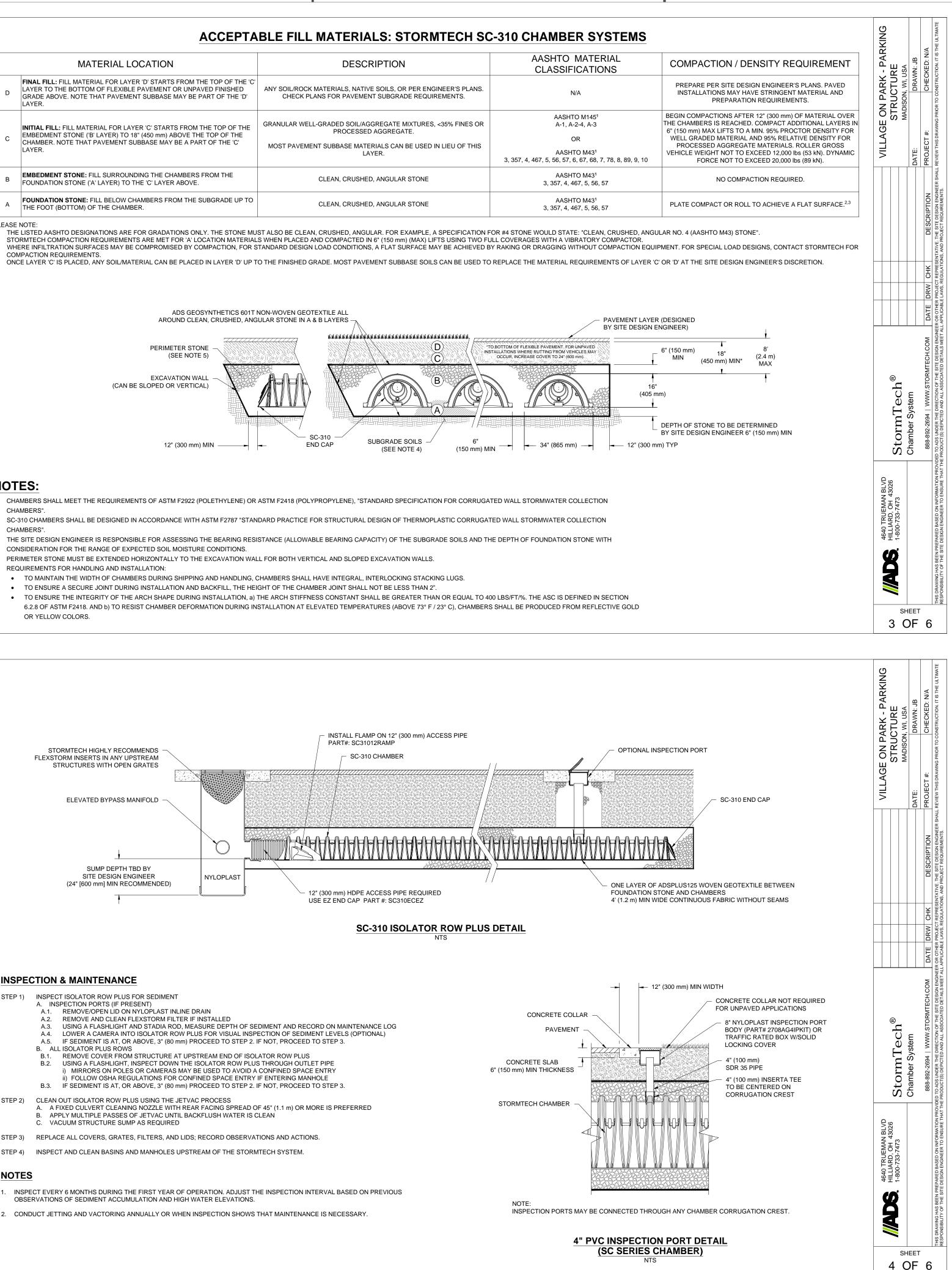
I ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



3

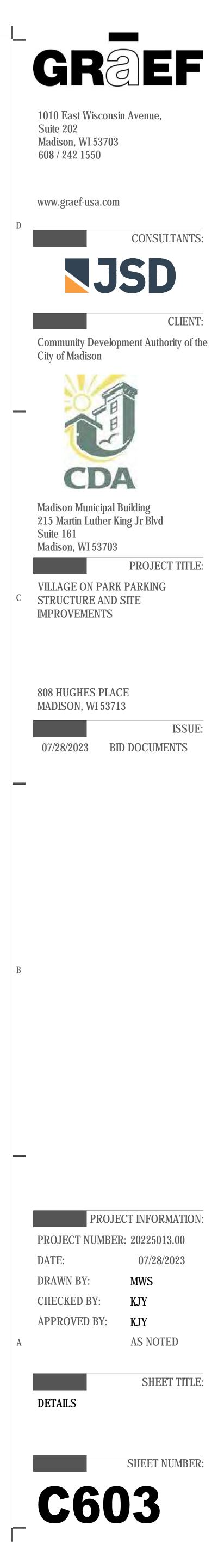


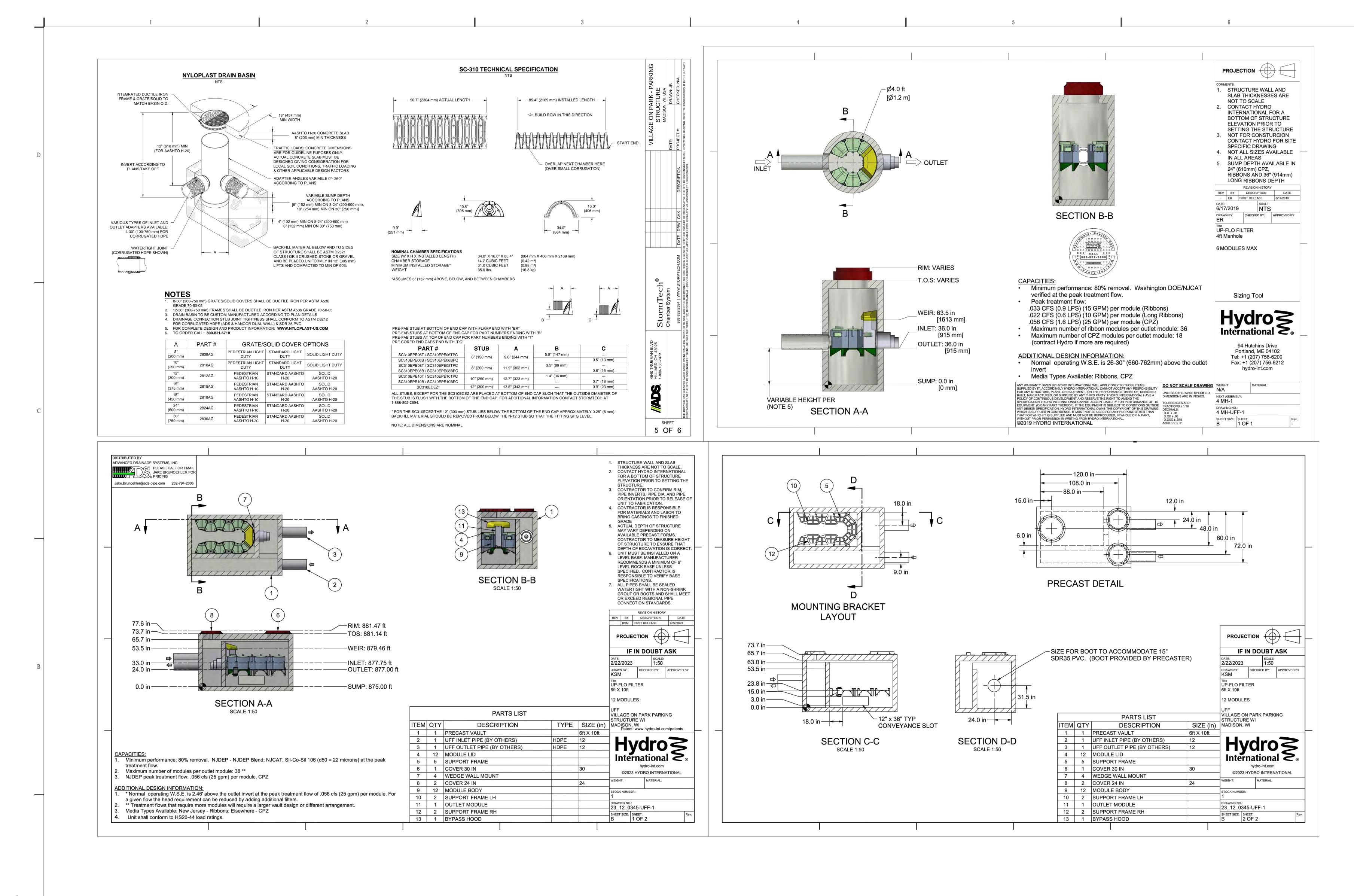




INC	<u>JIE3</u>
1.	INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSP OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2.	CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MA

4





10461/_2110461 - Parking Structure/DWG(Civil Shoets/21-10481 C600 - Details ADS.awg Layout: C604 User: kyeska Ploted: Jul 24, 2023 - 5:07pn Xre

