

ARTIST RENDERING. FOR REFERENCE ONLY.

# WSU - Divine 9 Plaza Renovation

DETROIT, MI, US



NORR PROJECT NUMBER: ED2024-0276



ARCHITECTURE	STRUCTURAL	LANDSCAPE	
NORR	NORR	RON KOUDYS	
150 W. Jefferson Avenue, Suite 1300 Detroit, MI, US 48226 T 313 324 3100	150 W. Jefferson Avenue, Suite 1300 Detroit, MI, US 48226 T 313 324 3100	368 Oxford Street East London, ON, CA N6A 1V7 T 519 667 3322	



ISSUED FOR 2025-03-12 Issued for 100% CD Client Review 2025-06-25 Issued for Bid To provide access to Work to be tested/inspected. **SECTION 015000** B. Design Data: Submit for Architect's knowledge as contract administrator for the limited purpose 1.09 TESTING AND INSPECTION AGENCIES AND SERVICES 1.10 VEHICULAR ACCESS AND PARKING - SEE SECTION 015500 b. To obtain and handle samples at the site or at source of Products to be TEMPORARY FACILITIES AND CONTROLS of assessing compliance with information given and the design concept expressed in the PART 3 EXECUTION A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, tested/inspected. Contract Documents, or for Owner's information. PART 1 GENERAL and access for emergency vehicles. 201 CONTROL OF INSTALLATION c. To facilitate tests/inspections C. Test Reports: After each test/inspection, promptly submit two copies of report to Architect and 1.01 SECTION INCLUDES d. To provide storage and curing of test samples. B. Coordinate access and haul routes with governing authorities and Owner. A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and to Contractor. 4. Notify Architect and laboratory 24 hours prior to expected time for operations requiring workmanship, to produce work of specified quality. C. Provide and maintain access to fire hydrants, free of obstructions. 1. Test report submittals are for Architect's knowledge as contract administrator for the testing/inspection services. A. Drawings and general provisions of the Contract, including General and Supplementary limited purpose of assessing compliance with information given and the design concept B. Comply with manufacturers' instructions, including each step in sequence. D. Provide means of removing mud from vehicle wheels before entering streets. 5. Employ services of an independent qualified testing laboratory and pay for additional Conditions and Division 01 Specification Sections, apply to this Section. expressed in the Contract Documents, or for Owner's information. C. Should manufacturers' instructions conflict with Contract Documents, request clarification from E. Provide temporary parking areas to accommodate construction personnel. When site space is samples, tests, and inspections required by Contractor beyond specified requirements. 1.02 SECTION INCLUDES D. Certificates: When specified in individual specification sections, submit certification by the not adequate, provide additional off-site parking. Architect before proceeding. 6. Arrange with Owner's agency and pay for additional samples, tests, and inspections manufacturer and Contractor or installation/application subcontractor to Architect, in quantities Temporary utilities. required by Contractor beyond specified requirements. D. Comply with specified standards as minimum quality for the work except where more stringent 1.11 WASTE REMOVAL specified for Product Data tolerances, codes, or specified requirements indicate higher standards or more precise D. Re-testing required because of non-compliance with specified requirements shall be performed B. Temporary sanitary facilities. A. Provide waste removal facilities and services as required to maintain the site in clean and 1. Indicate material or product complies with or exceeds specified requirements. Submit by the same agency on instructions by Architect. supporting reference data, affidavits, and certifications as appropriate. C. Temporary Controls: Barriers, enclosures, and fencing. orderly condition. E. Have work performed by persons qualified to produce required and specified quality. E. Re-testing required because of non-compliance with specified requirements shall be paid for by B. Provide containers with lids. Remove trash from site periodically. D. Security requirements. E. Manufacturer's Instructions: When specified in individual specification sections, submit printed F. Verify that field measurements are as indicated on shop drawings or as instructed by the instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, for the C. If materials to be recycled or re-used on the project must be stored on-site, provide suitable E. Waste removal facilities and services. 204 MANUFACTURERS' FIELD SERVICES Owner's information. Indicate special procedures, perimeter conditions requiring special non-combustible containers; locate containers holding flammable material outside the structure F. Project identification sign. attention, and special environmental criteria required for application or installation. G. Secure products in place with positive anchorage devices designed and sized to withstand unless otherwise approved by the authorities having jurisdiction. A. When specified in individual specification sections, require material or product suppliers or 1.03 RELATED REQUIREMENTS stresses, vibration, physical distortion, and disfigurement. F. Manufacturer's Field Reports: Submit reports for Architect's benefit as contract administrator or manufacturers to provide qualified staff personnel to observe site conditions, conditions of D. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and A. Section 015100 - Temporary Utilities. 202 MOCK-UPS with lids. balance equipment as applicable, and to initiate instructions when necessary. Submit for information for the limited purpose of assessing compliance with information B. Section 015500 - Vehicular Access and Parking. A. Tests shall be performed under provisions identified in this section and identified in the 1.12 PROJECT IDENTIFICATION given and the design concept expressed in the Contract Documents. B. Report observations and site decisions or instructions given to applicators or installers that are respective product specification sections. 1.04 TEMPORARY UTILITIES - SEE SECTION 015100 A. Provide project identification sign of design and construction indicated on drawings. 1.07 QUALITY ASSURANCE supplemental or contrary to manufacturers' written instructions. B. Assemble and erect specified items with specified attachment and anchorage devices, A. Owner will provide the following: B. Erect on site at location indicated. A. Testing Agency Qualifications: 205 DEFECT ASSESSMENT flashings, seals, and finishes. 1. Electrical power and metering, consisting of connection to existing facilities. C. No other signs are allowed without Owner permission except those required by law. 1. Prior to start of work, submit agency name, address, and telephone number, and names A. Replace Work or portions of the Work not complying with specified requirements. C. Architect will use accepted mock-ups as a comparison standard for the remaining Work. 1.05 TEMPORARY SANITARY FACILITIES of full time registered Engineer and responsible officer. 1.13 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS **END OF SECTION** D. Where mock-up has been accepted by Architect and is specified in product specification A. Provide and maintain required facilities and enclosures. Provide at time of project mobilization. B. Designer Qualifications: Where professional engineering design services and design data A. Remove temporary utilities, equipment, facilities, materials, prior to Date of Substantial sections to be removed, protect mock-up throughout construction, remove mock-up and clear submittals are specifically required of Contractor by Contract Documents, provide services of a B. Maintain daily in clean and sanitary condition. area when directed to do so by Architect. Completion inspection Professional Engineer experienced in design of this type of work and licensed in the State in 1.06 BARRIERS B. Remove underground installations to a minimum depth of 2 feet (600 mm). Grade site as 203 TESTING AND INSPECTION which the Project is located. A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas A. Testing Agency Duties: 1.08 REFERENCES AND STANDARDS that could be hazardous to workers or the public, to allow for owner's use of site and to protect C. Clean and repair damage caused by installation or use of temporary work. 1. Provide qualified personnel at site. Cooperate with Architect and Contractor in existing facilities and adjacent properties from damage from construction operations and A. For products and workmanship specified by reference to a document or documents not D. Restore existing facilities used during construction to original condition. performance of services. included in the Project Manual, also referred to as reference standards, comply with Perform specified sampling and testing of products in accordance with specified **PART 2 PRODUCTS - NOT USED** requirements of the standard, except when more rigid requirements are specified or are B. Provide barricades and covered walkways required by governing authorities for public rights-of-PART 3 EXECUTION - NOT USED way and for public access to existing building. Ascertain compliance of materials and mixes with requirements of Contract Documents. B. Comply with reference standard of date of issue current on date of Contract Documents, except 4. Promptly notify Architect and Contractor of observed irregularities or non-compliance of **END OF SECTION** C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage. where a specific date is established by applicable code. 1.07 FENCING Perform additional tests and inspections required by Architect. C. Obtain copies of standards where required by product specification sections. A. Provide 6 foot (1.8 m) high fence around construction site; equip with vehicular and pedestrian Submit reports of all tests/inspections specified. D. Maintain copy at project site during submittals, planning, and progress of the specific work, until gates with locks. B. Limits on Testing/Inspection Agency Authority: Substantial Completion 1.08 INTERIOR ENCLOSURES Agency may not release, revoke, alter, or enlarge on requirements of Contract E. Should specified reference standards conflict with Contract Documents, request clarification A. Provide temporary partitions and ceilings as indicated to separate work areas from Ownerfrom Architect before proceeding occupied areas, to prevent penetration of dust and moisture into Owner-occupied areas, and to Agency may not approve or accept any portion of the Work. F. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor Agency may not assume any duties of Contractor prevent damage to existing materials and equipment. those of Architect shall be altered from Contract Documents by mention or inference otherwise 4. Agency has no authority to stop the Work. B. Construction: Framing and reinforced polyethylene sheet materials with closed joints and in any reference document. sealed edges at intersections with existing surfaces: C. Contractor Responsibilities: 1. Deliver to agency at designated location, adequate samples of materials proposed to be 1.09 SECURITY - SEE SECTION 013553 used that require testing, along with proposed mix designs. A. Provide security and facilities to protect Work, existing facilities, and Owner's operations from Cooperate with laboratory personnel, and provide access to the Work and to unauthorized entry, vandalism, or theft. manufacturers' facilities. B. Coordinate with Owner's security program. 3. Provide incidental labor and facilities: 014000 - 2 014000 - 3014000 - 4 Quality Requirements Quality Requirements Quality Requirements Temporary Facilities and Controls Temporary Facilities and Controls P. 16 P. 17 This drawing has been prepared solely for the use of WAYNE STATE UNIVERSITY and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. **SECTION 016000 SECTION 017000** 3.02 TRANSPORTATION AND HANDLING C. For design of temporary shoring and bracing, employ a Professional Engineer experienced in 3.02 PREPARATION **EXECUTION AND CLOSEOUT REQUIREMENTS** PRODUCT REQUIREMENTS design of this type of work and licensed in the State in which the Project is located. A. Package products for shipment in manner to prevent damage; for equipment, package to avoid A. Clean substrate surfaces prior to applying next material or substance. This drawing shall not be used for construction purposes until PART 1 GENERAL PART 1 GENERAL 1.06 PROJECT CONDITIONS loss of factory calibration. B. Seal cracks or openings of substrate prior to applying next material or substance. the seal appearing hereon is signed and dated by the Architect A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent 1.01 SECTION INCLUDES B. If special precautions are required, attach instructions prominently and legibly on outside of C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to or Engineer accumulation of dust, fumes, vapors, or gases. 1.01 SECTION INCLUDES applying any new material or substance in contact or bond. A. Transportation, handling, storage and protection. C. Coordinate schedule of product delivery to designated prepared areas in order to minimize site A. Drawings and general provisions of the Contract, inculding General and Supplementary 1.07 COORDINATION 3.03 LAYING OUT THE WORK storage time and potential damage to stored materials. Conditions and Division 01 Specifications Section, apply to this Section. A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to B. Product option requirements. **Project Component** A. Verify locations of survey control points prior to starting work. D. Transport and handle products in accordance with manufacturer's instructions. 1.02 SECTION INCLUDES ensure efficient and orderly sequence of installation of interdependent construction elements C. Substitution limitations. B. Promptly notify Architect of any discrepancies discovered with provisions for accommodating items installed later. E. Transport materials in covered trucks to prevent contamination of product and littering of A. Examination, preparation, and general installation procedures. 1.02 RELATED REQUIREMENTS C. Protect survey control points prior to starting site work; preserve permanent reference points Notify affected utility companies and comply with their requirements. surrounding areas. Key Plan B. Requirements for alterations work, including selective demolition. A. Section 012500 - Substitution Procedures: Substitutions made during procurement and/or F. Promptly inspect shipments to ensure that products comply with requirements, quantities are C. Verify that utility requirements and characteristics of new operating equipment are compatible C. Cutting and patching. construction phases. D. Promptly report to Architect the loss or destruction of any reference point or relocation required with building utilities. Coordinate work of various sections having interdependent correct, and products are undamaged B. Section 014000 - Quality Requirements: Product quality monitoring. because of changes in grades or other reasons. D. Surveying for laying out the work. responsibilities for installing, connecting to, and placing in service, such equipment. G. Provide equipment and personnel to handle products by methods to prevent soiling. E. Replace dislocated survey control points based on original survey control. Make no changes C. Section 016116 - Volatile Organic Compound (VOC) Content Restrictions: Requirements for Cleaning and protection. D. Coordinate space requirements, supports, and installation of mechanical and electrical work disfigurement, or damage, and to minimize handling. without prior written notice to Architect. VOC-restricted product categories. that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and H. Arrange for the return of packing materials, such as wood pallets, where economically feasible. F. Starting of systems and equipment. conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces D. Section 017419 - Construction Waste Management and Disposal: Waste disposal F. Utilize recognized engineering survey practices. G. Demonstration and instruction of Owner personnel. 3.03 STORAGE AND PROTECTION efficiently to maximize accessibility for other installations, for maintenance, and forrepairs. requirements potentially affecting product selection, packaging and substitutions. G. Establish elevations, lines and levels. Locate and lay out by instrumentation and similar H. Closeout procedures, including Contractor's Correction Punch List, except payment A. Designate receiving/storage areas for incoming products so that they are delivered according to E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the 1.03 SUBMITTALS appropriate means: procedures. installation schedule and placed convenient to work area in order to minimize waste due to construction. Coordinate locations of fixtures and outlets with finish elements. 1. Site improvements including pavements; stakes for grading, fill and topsoil placement; A. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to excessive materials handling and misapplication. See Section 017419. General requirements for maintenance service. F. Coordinate completion and clean-up of work of separate sections. utility locations, slopes, and invertelevations; and\_\_\_\_\_ identify applicable products, models, options, and other data. Supplement manufacturers' B. Store and protect products in accordance with manufacturers' instructions. 1.03 RELATED REQUIREMENTS Grid or axis for structures. standard data to provide information specific to this Project. G. After Owner occupancy of premises, coordinate access to site for correction of defective work Building foundation, column locations, ground floorelevations, and \_\_\_\_\_\_. Store with seals and labels intact and legible. A. Section 015000 - Temporary Facilities and Controls; Temporary exterior enclosures. and work not in accordance with Contract Documents, to minimize disruption of Owner's B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical H. Periodically verify layouts by same means. characteristics, utility connection requirements, and location of utility outlets for service for D. Store sensitive products in weathertight, climate-controlled enclosures in an environment B. Section 015000 - Temporary Facilities and Controls: Temporary interior partitions. Consultants functional equipment and appliances. favorable to product PART 2 PRODUCTS I. Maintain a complete and accurate log of control and survey work as it progresses. C. Section 017900 - Demonstration and Training: Demonstration of products and systems to be Survey: For exterior storage of fabricated products, place on sloped supports above ground. C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with 3.04 GENERAL INSTALLATION REQUIREMENTS mmissioned and where indicated in specific specification sections 201 PATCHING MATERIALS integral parts and attachment devices. Coordinate sample submittals for interfacing work. F. Protect products from damage or deterioration due to construction operations, weather, A. New Materials: As specified in product sections; match existing products and work for patching D. Section 078400 - Firestopping. A. Install products as specified in individual sections, in accordance with manufacturer's Architecture: NORR 1. For selection from standard finishes, submit samples of the full range of the precipitation, humidity, temperature, sunlight and ultraviolet light, dirt, dust, and other and extending work. instructions and recommendations, and so as to avoid waste due to necessity forreplacement. 1.04 SUBMITTALS Structural: NORR manufacturer's standard colors, textures, and patterns. B. Type and Quality of Existing Products: Determine by inspecting and testing products where B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated. Mechanical: A. See Section 013000 - Administrative Requirements, for submittal procedures. PART 2 PRODUCTS G. Comply with manufacturer's warranty conditions, if any. necessary, referring to existing work as a standard. C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and Electrical: B. Survey work: Submit name, address, and telephone number of Surveyor before starting survey 201 NEW PRODUCTS H. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to C. Product Substitution: For any proposed change in materials, submit request for substitution horizontal lines, unless otherwise indicated prevent condensation and degradation of products. A. Provide new products unless specifically required or permitted by Contract Documents. described in Section 016000 - Product Requirements. Landscape: RON KOUDYS D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated. 1. On request, submit documentation verifying accuracy of survey work. I. Prevent contact with material that may cause corrosion, discoloration, or staining. B. See Section 014000 - Quality Requirements, for additional source quality control requirements. **PART 3 EXECUTION** 2. Submit a copy of site drawing signed by the Land Surveyor, that the elevations and E. Make neat transitions between different surfaces, maintaining texture and appearance. J. Provide equipment and personnel to store products by methods to prevent soiling, locations of the work are in compliance with Contract Documents. C. Use of products having any of the following characteristics is not permitted: 3.01 EXAMINATION 3.05 ALTERATIONS disfigurement, or damage. Submit surveys and survey logs for the project record. D. Where other criteria are met, Contractor shall give preference to products that: A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. A. Drawings showing existing construction and utilities are based on casual field observation and K. Arrange storage of products to permit access for inspection. Periodically inspect to verify C. Cutting and Patching: Submit written request in advance of cutting or alteration that affects: Seal(s) Start of work means acceptance of existing conditions. 1. If used on interior, have lower emissions, as defined in Section 016116. existing record documents only. products are undamaged and are maintained in acceptable condition. Structural integrity of any element of Project. 2. If wet-applied, have lower VOC content, as defined in Section 016116. B. Verify that existing substrate is capable of structural support or attachment of new work being Verify that construction and utility arrangements are as indicated. Integrity of weather exposed or moisture resistant element. **END OF SECTION** 202 PRODUCT OPTIONS Report discrepancies to Architect before disturbing existing installation. applied or attached Efficiency, maintenance, or safety of any operational element. 3. Beginning of alterations work constitutes acceptance of existing conditions. A. Products Specified by Reference Standards or by Description Only: Use any product meeting C. Examine and verify specific conditions described in individual specification sections. Visual qualities of sight exposed elements. B. Keep areas in which alterations are being conducted separated from other areas that are still D. Take field measurements before confirming product orders or beginning fabrication, to minimize Work of Owner or separate Contractor. B. Products Specified by Naming One or More Manufacturers: Use a product of one of the waste due to over-ordering or misfabrication. 1.05 QUALIFICATIONS 1. Provide, erect, and maintain temporary dustproof partitions of construction specified in manufacturers named and meeting specifications, no options or substitutions allowed. E. Verify that utility services are available, of the correct characteristics, and in the correct A. For demolition work, employ a firm specializing in the type of work required. Section 015000 in locations indicated on drawings. C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: B. For surveying work, employ a land surveyor registered in the State in which the Project is C. Remove existing work as indicated and as required to accomplish new work. Submit a request for substitution for any manufacturer not named. F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements located and acceptable to Architect. Submit evidence of surveyor's Errors and Omissions 1. Remove items indicated on drawings. subject to damage or movement during cutting and patching. After uncovering existing work, **PART 3 EXECUTION** insurance coverage in the form of an Insurance Certificate. Employ only individual(s) trained Relocate items indicated on drawings. assess conditions affecting performance of work. Beginning of cutting or patching means 3.01 SUBSTITUTION LIMITATIONS and experienced in collecting and recording accurate data relevant to ongoing construction 3. Where new surface finishes are to be applied to existing work, perform removals, patch, acceptance of existing conditions. and prepare existing surfaces as required to receive new finish; remove existing finish if A. See Section 012500 - Substitution Procedures. **Execution and Closeout Execution and Closeout** Execution and Closeout 017000 - 1 017000 - 3 017000 - 2 **Product Requirements** 016000 - 1 016000 - 2 Product Requirements Requirements Requirements Requirements P. 21 P. 22 150 W. Jefferson Avenue.. Suite 1300 necessary for successful application of new finish. Repair areas adjacent to cuts to required condition **SECTION 017419** B. Verify that each piece of equipment or system has been checked for proper lubrication, drive G. Notify Architect when work is considered finally complete and ready for Architect's Substantial Detroit, MI, US 48226 4. Where new surface finishes are not specified or indicated, patch holes and damaged CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL Repair new work damaged by subsequent work. rotation, belt tension, control sequence, and for conditions that may cause damage. Completion final inspection norr.com surfaces to match adjacent finished surfaces as closely as possible. Remove samples of installed work for testing when requested. C. Verify tests, meter readings, and specified electrical characteristics agree with those required **PART 1 GENERAL** H. Complete items of work determined by Architect listed in executed Certificate of Substantial Remove and replace defective and non-complying work. D. Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, by the equipment or system manufacturer. Telecommunications, and \_\_\_\_\_\_): Remove, relocate, and extend existing systems to Execute work by methods that avoid damage to other work and that will provide appropriate D. Verify that wiring and support components for equipment are complete and tested. 3.14 MAINTENANCE 1.01 RELATED DOCUMENTS accommodate new construction surfaces to receive patching and finishing. In existing work, minimize damage and restore to E. Execute start-up under supervision of applicable Contractor personnel and manufacturer's 1. Maintain existing active systems that are to remain in operation; maintain access to Provide service and maintenance of components indicated in specification sections. A. Drawings and general provisions of the Contract, including General and representative in accordance with manufacturers' instructions. equipment and operational components; if necessary, modify installation to allow access SupplementaryConditions and Division 01 Specification Sections, apply to this Section. B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than E. Employ original installer to perform cutting for weather exposed and moisture resistant or provide access panel. F. Submit a written report that equipment or system has been properly installed and is functioning one year from the Date of Substantial Completion or the length of the specified warranty, 1.02 WASTE MANAGEMENT REQUIREMENTS elements, and sight exposed surfaces. 2. Where existing systems or equipment are not active and Contract Documents require correctly. whichever is longer. F. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior A. Owner requires that this project generate the least amount of trash and waste possible. reactivation, put back into operational condition; repair supply, distribution, and equipment 3.10 DEMONSTRATION AND INSTRUCTION C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, B. Employ processes that ensure the generation of as little waste as possible due to error, poor 3. Where existing active systems serve occupied facilities but are to be replaced with new A. See Section 017900 - Demonstration and Training. G. Restore work with new products in accordance with requirements of Contract Documents. planning, breakage, mishandling, contamination, or other factors. Project Manager services, maintain existing systems in service until new systems are complete and ready D. Include systematic examination, adjustment, and lubrication of components. Repair or replace H. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces. B. Demonstrate operation and maintenance of products to Owner's personnel two weeks prior to C. Minimize trash/waste disposal in landfills; reuse, salvage, or recycle as much waste as Author Valentino Mancini parts whenever required. Use parts produced by the manufacturer of the original component. date of Substantial Completion. economically feasible. I. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids a. Disable existing systems only to make switchovers and connections; minimize Project Leader Checked E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without D. Contractor Reporting Responsibilities: Submit periodic Waste Disposal Reports; report landfill with fire rated material in accordance with Section 078400, to full thickness of the penetrated duration of outages. prior written consent of the Owner. Valentino Mancini Checker disposal, incineration, recycling, salvage, and reuse regardless of to whom the cost or savings element. b. Provide temporary connections as required to maintain existing systems in service. A. Adjust operating products and equipment to ensure smooth and unhindered operation. END OF SECTION accrues; use the same units of measure on required reports. 4. Verify that abandoned services serve only abandoned facilities. 3.12 FINAL CLEANING E. Develop and follow a Waste Management Plan designed to implement these requirements. 5. Remove abandoned pipe, ducts, conduits, and equipment, including those above 1. Finish patched surfaces to match finish that existed prior to patching. On continuous WAYNE STATE UNIVERSITY Use cleaning materials that are nonhazardous. accessible ceilings; remove back to source of supply where possible, otherwise cap stub surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire F. The following sources may be useful in developing the Waste Management Plan: and tag with identification; patch holes left by removal using materials specified for new B. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains G. Methods of trash/waste disposal that are not acceptable are: Match color, texture, and appearance. and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft Burning on the project site. Repair patched surfaces that are damaged, lifted, discolored, or showing other E. Protect existing work to remain. Burying on the project site. imperfections due to patching work. If defects are due to condition of substrate, repair C. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or Prevent movement of structure; provide shoring and bracing if necessary. 3. Dumping or burying on other property, public or private. substrate prior to repairing finish. Perform cutting to accomplish removals neatly and as specified for cutting new work. ameplates on mechanical and electrical equipment. 42 W Warren Ave, Detroit, MI 48202, United States Other illegal dumping or burying. 3. Repair adjacent construction and finishes damaged during removal work. D. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the H. Regulatory Requirements: Contractor is responsible for knowing and complying with regulatory surface and material being cleaned. F. Adapt existing work to fit new work: Make as neat and smooth transition as possible. A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly requirements, including but not limited to Federal, state and local requirements, pertaining to WSU - Divine 9 Plaza G. Patching: Where the existing surface is not indicated to be refinished, patch to match the legal disposal of all construction and demolition waste materials B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed surface finish that existed prior to cutting. Where the surface is indicated to be refinished, F. Clean debris from roofs, gutters, downspouts, scuppers, overflow drains, area drains, drainage 1.03 RELATED REQUIREMENTS Renovation patch so that the substrate is ready for the new finish. or remote spaces, prior to enclosing the space. systems, and\_\_\_\_\_. A. Section 012500 - Substitution Procedures. H. Refinish existing surfaces as indicated: C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning G. Clean site: sweep payed areas, rake clean landscaped surfaces. B. Section 013000 - Administrative Requirements: Additional requirements for project meetings, 1. Where rooms or spaces are indicated to be refinished, refinish all visible existing surfaces H. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; reports, submittal procedures, and project documentation. to remain to the specified condition for each material, with a neat transition to adjacent D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose of in legal manner; do not burn or bury. DETROIT, MI, US C. Section 015000 - Temporary Facilities and Controls: Additional requirements related to dispose off-site; do not burn or bury 3.13 CLOSEOUT PROCEDURES 2. If mechanical or electrical work is exposed accidentally during the work, re-cover and trash/waste collection and removal facilities and services. 3.08 PROTECTION OF INSTALLED WORK Drawing Title refinish to match. A. Make submittals that are required by governing or other authorities. D. Section 016000 - Product Requirements: Waste prevention requirements related to product **ARCHITECTURAL** A. Protect installed work from damage by construction operations. Clean existing systems and equipment. B. Accompany Project Coordinator on preliminary inspection to determine items to be listed for substitutions B. Provide special protection where specified in individual specification sections. completion or correction in the Contractor's Correction Punch List for Contractor's Notice of J. Remove demolition debris and abandoned items from alterations areas and dispose of off-site; E. Section 016000 - Product Requirements: Waste prevention requirements related to delivery, **SPECIFICATIONS 2** C. Provide temporary and removable protection for installed products. Control activity in immediate Substantial Completion. do not burn or bury. storage, and handling work area to prevent damage. C. Notify Architect when work is considered ready for Architect's Substantial Completion K. Do not begin new construction in alterations areas before demolition is complete. F. Section 017000 - Execution and Closeout Requirements: Trash/waste prevention procedures D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings. related to demolition, cutting and patching, installation, protection, and cleaning. L. Comply with all other applicable requirements of this section. D. Submit written certification containing Contractor's Correction Punch List, that Contract E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement 3.06 CUTTING AND PATCHING Documents have been reviewed, work has been inspected, and that work is complete in of heavy objects, by protecting with durable sheet materials. A. Clean: Untreated and unpainted; not contaminated with oils, solvents, caulk, or the like. A. Whenever possible, execute the work by methods that avoid cutting or patching. accordance with Contract Documents and ready for Architect's Substantial Completion F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is B. Construction and Demolition Waste: Solid wastes typically including building materials. B. See Alterations article above for additional requirements. necessary, obtain recommendations for protection from waterproofing or roofing material packaging, trash, debris, and rubble resulting from construction, remodeling, repair and E. Conduct Substantial Completion inspection and create Final Correction Punch List containing C. Perform whatever cutting and patching is necessary to: manufacturer. demolition operations. Architect's and Contractor's comprehensive list of items identified to be completed or corrected Complete the work. G. Remove protective coverings when no longer needed; reuse or recycle coverings if possible. C. Hazardous: Exhibiting the characteristics of hazardous substances, i.e., ignitibility, corrosivity, and submit to Architect. Fit products together to integrate with other work. 3.09 SYSTEM STARTUP toxicity or reactivity. F. Correct items of work listed in Final Correction Punch List and comply with requirements for 3. Provide openings for penetration of mechanical, electrical, and other services. 1 1/2" = 1'-0" A. Coordinate schedule for start-up of various equipment and systems. D. Nonhazardous: Exhibiting none of the characteristics of hazardous substances, i.e., ignitibility, access to Owner-occupied areas. 4. Match work that has been cut to adjacent work. corrosivity, toxicity, or reactivity. Execution and Closeout **Execution and Closeout Execution and Closeout Execution and Closeout** Construction Waste Management ED2024-0276 017000 - 4 017000 - 5 017000 - 6 017419 - 1 017000 - 7 Requirements Requirements Requirements Requirements and Disposal Drawing No. P. 26 P. 27 P. 30 ARCH E Title Block - v.2023 - Rev (July/23) - Copyright © 2023

					DATE ISSUED FOR 2025-03-12 Issued for 100% CD Client Revie 2025-06-25 Issued for Bid
Nontoxic: Neither immediately poisonous to humans nor poisonous after a long period of exposure.	<ul> <li>State the identity of landfills, total amount of tipping fees paid to landfill, and total disposal cost.</li> </ul>	3.02 WASTE MANAGEMENT PLAN IMPLEMENTATION  A Manager: Designate an on-site person or persons responsible for instructing workers and	SECTION 017800 CLOSEOUT SUBMITTALS	E. Record Drawings: Legibly mark each item to record actual construction including:     1. Field changes of dimension and detail.	
Recyclable: The ability of a product or material to be recovered at the end of its life cycle and emanufactured into a new product for reuse by others.	<ul> <li>d. Include manifests, weight tickets, receipts, and invoices as evidence of quantity and cost.</li> <li>4. Incinerator Disposal: Include the following information:</li> </ul>	<ul> <li>A. Manager: Designate an on-site person or persons responsible for instructing workers and overseeing and documenting results of the Waste Management Plan.</li> <li>B. Communication: Distribute copies of the Waste Management Plan to job site foreman, each</li> </ul>	PART 1 GENERAL  1.01 RELATED DOCMENTS	2. Details not on original Contract drawings.  3.02 OPERATION AND MAINTENANCE DATA	
Recycle: To remove a waste material from the project site to another site for remanufacture not a new product for reuse by others.	<ul> <li>a. Identification of material.</li> <li>b. Amount, in tons or cubic yards (cubic meters), of trash/waste material from the project delivered to incinerators.</li> </ul>	subcontractor, Owner, and Architect.  C. Instruction: Provide on-site instruction of appropriate separation, handling, and recycling,	Drawings and general provisions of the Contract, including General and Supplementary	A. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.	
ecycling: The process of sorting, cleansing, treating and reconstituting solid waste and other scarded materials for the purpose of using the altered form. Recycling does not include urning, incinerating, or thermally destroying waste.	c. State the identity of incinerators, total amount of fees paid to incinerator, and total disposal cost.	salvage, reuse, and return methods to be used by all parties at the appropriate stages of the project.  D. Meetings: Discuss trash/waste management goals and issues at project meetings.	Conditions and Division 01 Specification Sections, apply to this Section.  1.02 SECTION INCLUDES	B. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.	
eturn: To give back reusable items or unused products to vendors for credit. euse: To reuse a construction waste material in some manner on the project site.	<ul> <li>d. Include manifests, weight tickets, receipts, and invoices as evidence of quantity and cost.</li> <li>5. Recycled and Salvaged Materials: Include the following information for each:</li> </ul>	<ol> <li>Prebid meeting.</li> <li>Preconstruction meeting.</li> </ol>	A. Project record documents.  B. Operation and maintenance data.	C. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.	
Ivage: To remove a waste material from the project site to another site for resale or reuse by lers.	<ul> <li>a. Identification of material, including those retrieved by installer for use on other projects.</li> <li>b. Amount, in tons or cubic yards (cubic meters), date removed from the project site,</li> </ul>	<ul> <li>Regular job-site meetings.</li> <li>Facilities: Provide specific facilities for separation and storage of materials for recycling, salvage, reuse, return, and trash disposal, for use by all contractors and installers.</li> </ul>	C. Warranties and bonds.  1.03 RELATED REQUIREMENTS  A. Casting 010000 Administrative Requirements Cubmittely assessment and approximate and described assessments.	<ul> <li>3.03 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES</li> <li>A. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and</li> </ul>	
ediment: Soil and other debris that has been eroded and transported by storm or well oduction run-off water.  burce Separation: The act of keeping different types of waste materials separate beginning	and receiving party. c. Transportation cost, amount paid or received for the material, and the net total cost or	<ol> <li>Provide containers as required.</li> <li>Provide adequate space for pick-up and delivery and convenience to subcontractors.</li> </ol>	<ul> <li>A. Section 013000 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.</li> <li>B. Individual Product Sections: Specific requirements for operation and maintenance data.</li> </ul>	maintenance of the specific products.  3.04 ASSEMBLY OF OPERATION AND MAINTENANCE MANUALS	
m the first time they become waste.  Ixic: Poisonous to humans either immediately or after a long period of exposure.	savings of salvage or recycling each material.  d. Include manifests, weight tickets, receipts, and invoices as evidence of quantity and cost.	Keep recycling and trash/waste bin areas neat and clean and clearly marked in order to avoid contamination of materials.  F. Hazardous Wastes: Separate, store, and dispose of hazardous wastes according to applicable	C. Individual Product Sections: Warranties required for specific products or Work.  1.04 SUBMITTALS	A. Assemble operation and maintenance data into durable manuals for Owner's personnel use, with data arranged in the same sequence as, and identified by, the specification sections.	4
sh: Any product or material unable to be reused, returned, recycled, or salvaged.  ste: Extra material or material that has reached the end of its useful life in its intended use.	e. Certification by receiving party that materials will not be disposed of in landfills or by incineration.  6. Material Reused on Project: Include the following information for each:	regulations.  G. Recycling: Separate, store, protect, and handle at the site identified recyclable waste products	A. Project Record Documents: Submit documents to Architect with claim for final Application for Payment.	B. Where systems involve more than one specification section, provide separate tabbed divider for each system.	
aste includes salvageable, returnable, recyclable, and reusable material.  TTALS	<ul> <li>6. Material Reused on Project: Include the following information for each:</li> <li>a. Identification of material and how it was used in the project.</li> <li>b. Amount, in tons or cubic yards (cubic meters).</li> </ul>	in order to prevent contamination of materials and to maximize recyclability of identified materials. Arrange for timely pickups from the site or deliveries to recycling facility in order to prevent contamination of recyclable materials.	Deration and Maintenance Data:     Submit two copies of preliminary draft or proposed formats and outlines of contents before	C. Binders: Commercial quality, 8-1/2 by 11 inch (216 by 280 mm) three D side ring binders with durable plastic covers; 2 inch (50 mm) maximum ring size. When multiple binders are used, correlate data into related consistent groupings.	
e Section 013000 - Administrative Requirements for submittal procedures.  aste Management Plan: Include the following information:	<ul> <li>c. Include weight tickets as evidence of quantity.</li> <li>7. Other Disposal Methods: Include information similar to that described above, as appropriate to disposal method.</li> </ul>	H. Reuse of Materials On-Site: Set aside, sort, and protect separated products in preparation for reuse.	start of Work. Architect will review draft and return one copy with comments.  2. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.	<ul> <li>D. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; identify title of Project; identify subject matter of contents.</li> </ul>	
Analysis of the trash and waste projected to be generated during the entire project construction cycle, including types and quantities.  Landfill Options: The name, address, and telephone number of the landfill(s) where	PART 2 PRODUCTS  201 PRODUCT SUBSTITUTIONS	Salvage: Set aside, sort, and protect products to be salvaged for reuse off-site.  END OF SECTION	Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect comments. Revise content of all document sets as required prior to final submission.	E. Project Directory: Title and address of Project; names, addresses, and telephone numbers of Architect, Consultants, Contractor and subcontractors, with names of responsible parties.	
trash/waste will be disposed of, the applicable landfill tipping fee(s), and the projected cost of disposing of all project trash/waste in the landfill(s).  Landfill Alternatives: List all waste materials that will be diverted from landfills by reuse.	A. See Section 016000 and Section 012500.      B. For each proposed product substitution, submit the following information in addition to		4. Submit two sets of revised final documents in final form within 10 days after final inspection.	F. Tables of Contents: List every item separated by a divider, using the same identification as on the divider tab; where multiple volumes are required, include all volumes Tables of Contents in each volume, with the current volume clearly identified.	
salvage, or recycling.  Meetings: Describe regular meetings to be held to address waste prevention, reduction,	requirements specified in Section 016000:  1. Relative amount of waste produced, compared to specified product.		Warranties and Bonds:     For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.	G. Dividers: Provide tabbed dividers for each separate product and system; identify the contents on the divider tab; immediately following the divider tab include a description of product and	
recycling, salvage, reuse, and disposal.  Materials Handling Procedures: Describe the means by which materials to be diverted from landfills will be protected from contamination and prepared for acceptance by	<ol> <li>Cost savings on waste disposal, compared to specified product, to be deducted from the Contract Price.</li> <li>Proposed disposal method for waste product.</li> </ol>		2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.  3. For items of Work for which acceptance is delayed beyond Date of Substantial	major component parts of equipment.  H. Text: Manufacturer's printed data, or typewritten data on 20 pound paper.	
designated facilities; include separation procedures for recyclables, storage, and packaging.  Transportation: Identify the destination and means of transportation of materials to be	Markets for recycled waste product.  PART 3 EXECUTION		Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.	<ul> <li>I. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.</li> <li>3.05 WARRANTIES AND BONDS</li> </ul>	
recycled; i.e. whether materials will be site-separated and self-hauled to designated centers, or whether mixed materials will be collected by a waste hauler.	WASTE MANAGEMENT PROCEDURES     A. See Section 013000 for additional requirements for project meetings, reports, submittal		PART 2 PRODUCTS - NOT USED PART 3 EXECUTION	<ul> <li>A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for</li> </ul>	
ste Disposal Reports: Submit at specified intervals, with details of quantities of trash and ste, means of disposal or reuse, and costs; show both totals to date and since last report.  Submit updated Report with each Application for Progress Payment; failure to submit	procedures, and project documentation.  B. See Section 015000 for additional requirements related to trash/waste collection and removal facilities and services.		3.01 PROJECT RECORD DOCUMENTS  A. Maintain on site one set of the following record documents; record actual revisions to the Work:	items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial completion is determined.	
Report will delay payment. Submit Report on a form acceptable to Owner.	C. See Section 016000 for waste prevention requirements related to delivery, storage, and handling.		<ol> <li>Drawings.</li> <li>Addenda.</li> <li>Change Orders and other modifications to the Contract.</li> </ol>	<ul> <li>B. Verify that documents are in proper form, contain full information, and are notarized.</li> <li>C. Co-execute submittals when required.</li> </ul>	
Landfill Disposal: Include the following information:  a. Identification of material.  b. Amount, in tons or cubic yards (cubic meters), of trash/waste material from the	<ul> <li>D. See Section 017000 for trash/waste prevention procedures related to demolition, cutting and patching, installation, protection, and cleaning.</li> </ul>		B. Ensure entries are complete and accurate, enabling future reference by Owner.	D. Retain warranties and bonds until time specified for submittal.  END OF SECTION	
project disposed of in landfills.			<ul><li>C. Store record documents separate from documents used for construction.</li><li>D. Record information concurrent with construction progress.</li></ul>		
O17419 - 2 Construction Waste Management and Disposal  P. 31	017419 - 3 Construction Waste Management and Disposal  P. 32	017419 - 4 Construction Waste Management and Disposal  P. 33	017800 - 1 Closeout Submittals P. 34	017800 - 2 Closeout Submittals	5
	1.02	1.00	1.04	r. v	This drawing has been prepared solely for STATE UNIVERSITY and there are no replication with whole with the state of the s
SECTION 017900 DEMONSTRATION AND TRAINING	PART 2 PRODUCTS - NOT USED PART 3 EXECUTION	SECTION 024100 DEMOLITION	<ul> <li>3. Stop work immediately if adjacent structures appear to be in danger.</li> <li>D. Minimize production of dust due to demolition operations. Do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.</li> </ul>	<ul><li>B. Leave site in clean condition, ready for subsequent work.</li><li>C. Clean up spillage and wind-blown debris from public and private lands.</li></ul>	entered into a contract.  This drawing shall not be used for construct
RY	3.01 DEMONSTRATION - GENERAL  A. Demonstrations conducted during system start-up do not qualify as demonstrations for the	PART 1 GENERAL  1.01 SECTION INCLUDES	<ul><li>E. Perform demolition in a manner that maximizes salvage and recycling of materials.</li><li>1. Dismantle existing construction and separate materials.</li></ul>	END OF SECTION	This drawing shall not be used for construct the seal appearing hereon is signed and date or Engineer
onstration of products and systems where indicated in specific specification sections.  sing of Owner personnel in operation and maintenance is required for:	purposes of this section, unless approved in advance by Owner.  B. Demonstration may be combined with Owner personnel training if applicable.	Drawings and general provisions of the Contract, including General and Supplementary     Conditions and Division 01 Specification Sections, apply to this Section.	<ol> <li>Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.</li> </ol>		Project Component
Monuments.  ning of Owner personnel in operation and maintenance is required for:  ning of Owner personnel in care, cleaning, maintenance, and repair is required for:	C. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shut-down, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.	SECTION INCLUDES     A. Selective demolition of building elements for alteration purposes.	A. Coordinate work with utility companies. Notify utilities before starting work, comply with their		Project Component
Items specified in individual product Sections.  D REQUIREMENTS	Perform demonstrations not less than two weeks prior to Substantial Completion.     For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.	B. Abandonment and removal of existing utilities and utility structures.  1.03 RELATED REQUIREMENTS	requirements, and obtain required permits.  B. Protect existing utilities to remain from damage.  C. Do not disrupt public utilities without permit from authority having jurisdiction.		Key Plan
ion 019113 - General Commissioning Requirements: Additional requirements applicable to onstration and training.	<ul> <li>Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.</li> </ul>	A. Section 011000 - Summary: Limitations on Contractor's use of site and premises.  B. Section 015000 - Temporary Facilities and Controls: Site fences, security, protective barriers,	<ul> <li>Do not disrupt public utilities without permit from authority having jurisdiction.</li> <li>Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.</li> </ul>		
TALS Section 013000 - Administrative Requirements, for submittal procedures.	Perform demonstrations not less than two weeks prior to Substantial Completion.  TRAINING - GENERAL	and waste removal.  C. Section 017000 - Execution and Closeout Requirements: Project conditions; protection of	E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.		
ning Plan: Owner will designate personnel to be trained; tailor training to needs and skill- of attendees.  Submit to Architect for transmittal to Owner.	<ul><li>A. Conduct training on-site unless otherwise indicated.</li><li>B. Owner will provide classroom and seating at no cost to Contractor.</li></ul>	bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.	F. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if		
Submit not less than four weeks prior to start of training. Revise and resubmit until acceptable.	C. Provide training in minimum two hour segments.  D. Training schedule will be subject to availability of Owner's personnel to be trained; re-schedule	A. See Section 013000 - Administrative Requirements for submittal procedures.  B. Site Plan: Indicate:	necessary.  G. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.		
Provide an overall schedule showing all training sessions. Include at least the following for each training session: a. Identification, date, time, and duration.	training sessions as required by Owner; once schedule has been approved by Owner failure to conduct sessions according to schedule will be cause for Owner to charge Contractor for personnel "show-up" time.	<ul><li>B. Site Plan: Indicate:</li><li>1. Vegetation to be protected.</li><li>2. Areas for temporary construction and field offices.</li></ul>	203 SELECTIVE DEMOLITION FOR ALTERATIONS  A. Existing construction and utilities indicated on drawings are based on casual field observation		Consultants
<ul> <li>b. Description of products and/or systems to be covered.</li> <li>c. Name of firm and person conducting training; include qualifications.</li> </ul>	E. Review of Facility Policy on Operation and Maintenance Data: During training discuss:  1. The location of the O&M manuals and procedures for use and preservation; backup	C. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.	and existing record documents only.  1. Verify construction and utility arrangements are as indicated.		Consultants Survey: Civil:
<ul> <li>d. Intended audience, such as job description.</li> <li>e. Objectives of training and suggested methods of ensuring adequate training.</li> <li>f. Methods to be used, such as classroom lecture, live demonstrations, hands-on, etc.</li> </ul>	copies.  2. Typical contents and organization of all manuals, including explanatory information, system narratives, and product specific information.	QUALITY ASSURANCE     A. Demolition Firm Qualifications: Company specializing in the type of work required.	<ol> <li>Report discrepancies to Architect before disturbing existing installation.</li> <li>Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.</li> </ol>		Architecture: NORR Structural: NORR
<ul> <li>g. Media to be used, such a slides, hand-outs, etc.</li> <li>h. Training equipment required, such as projector, projection screen, etc., to be</li> </ul>	system narratives, and product specific information.  3. Typical uses of the O&M manuals.  F. Product- and System-Specific Training:	PART 3 EXECUTION 201 GENERAL PROCEDURES AND PROJECT CONDITIONS	B. Remove existing work as indicated and required to accomplish new work.  1. Remove items indicated on drawings.		Mechanical: Electrical:
provided by Contractor.  ning Manuals: Provide training manual for each attendee; allow for minimum of two ndees per training session.	Review the applicable O&M manuals.     For systems, provide an overview of system operation, design parameters and constraints, and operational strategies.	Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.      Obtain required permits.	<ul> <li>C. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications: Remove existing systems and equipment as indicated.</li> <li>Maintain existing active systems to remain in operation, and maintain access to equipment</li> </ul>		Interiors: Landscape: RON KOUDYS
Include applicable portion of O&M manuals. Include copies of all hand-outs, slides, overheads, video presentations, etc., that are not	<ol> <li>Review instructions for proper operation in all modes, including start-up, shut-down, seasonal changeover and emergency procedures, and for maintenance, including</li> </ol>	<ol> <li>Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of</li> </ol>	and operational components.  2. Where existing active systems serve occupied facilities but are to be replaced with new		
included in O&M manuals.  Provide one extra copy of each training manual to be included with operation and maintenance data.	preventative maintenance.  4. Provide hands-on training on all operational modes possible and preventive maintenance.  5. Emphasize safe and proper operating requirements; discuss relevant health and safety	unstable structures.  3. Provide, erect, and maintain temporary barriers and security devices.  4. Conduct operations to minimize effects on and interference with adjacent structures and	services, maintain existing systems in service until new systems are complete and ready for service.  3. Verify that abandoned services serve only abandoned facilities before removal.		Seal(s)
TY ASSURANCE ructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of	issues and emergency procedures.  6. Discuss common troubleshooting problems and solutions.	occupants.  5. Do not close or obstruct roadways or sidewalks without permits from authority having injection.	4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.		
relevant products and systems.  Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.	<ol> <li>Discuss any peculiarities of equipment installation or operation.</li> <li>Discuss warranties and guarantees, including procedures necessary to avoid voiding coverage.</li> </ol>	jurisdiction.  6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from	and tag with identification.  D. Protect existing work to remain.  1. Prevent movement of structure. Provide shoring and bracing as required.		
Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.	<ul> <li>9. Review recommended tools and spare parts inventory suggestions of manufacturers.</li> <li>10. Review spare parts and tools required to be furnished by Contractor.</li> <li>11. Review spare parts suppliers and sources and procurement procedures.</li> </ul>	removal operations.  7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.	<ol> <li>Perform cutting to accomplish removal work neatly and as specified for cutting new work.</li> <li>Repair adjacent construction and finishes damaged during removal work.</li> </ol>		2
	<ul><li>11. Review spare parts suppliers and sources and procurement procedures.</li><li>G. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.</li></ul>	B. Do not begin removal until receipt of notification to proceed from Owner.  C. Protect existing structures and other elements to remain in place and not removed.	4. Patch to match new work.  204 DEBRIS AND WASTE REMOVAL  A Remove debrie singly and treet from site.		
017900 - 1 Demonstration and Training	END OF SECTION  017900 - 2 Demonstration and Training	Provide bracing and shoring.     Prevent movement or settlement of adjacent structures.  O24100 - 1  Demolition	A. Remove debris, junk, and trash from site.  024100 - 2  Demolition	024100 - 3 Demolition	
P. 36	P. 37	P. 38	P. 39	P. 4	NORR
SECTION 057000 DECORATIVE METAL RAL	<ul> <li>1.07 FIELD CONDITIONS</li> <li>A. Maintain ambient temperature of space at minimum 65 degrees F (18.3 degrees C) and maximum 95 degrees F (35 degrees C) for 24 hours before, during, and after installation.</li> </ul>	A. Anchors and Fasteners: Provide anchors, fasteners, and other attachment devices required to attach to structure. Ensure attachment devices are of same material as components unless indicated at heaving.	SECTION 057500 DECORATIVE FORMED METAL PART 1 GENERAL	SECTION 061500 WOOD DECKING PART 1 GENERAL	150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com
N INCLUDES	1.08 WARRANTY  A. See Section 017800 - Closeout Submittals for additional warranty requirements.	indicated otherwise.  B. Finish Touch-Up Materials: As recommended by manufacturer for field application.  C. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities.	1.01 SECTION INCLUDES  A Interior febrications made of formed matel sheet, secondary supports, and anchors to structure	1.01 SECTION INCLUDES  A Drawings and general provisions of the Contract, including Coneral and Supplementary	
Practive metal units: Surface Mount Monument Logo  NCE STANDARDS  MA123/A123M Standard Specification for Zing (Het Din Calvanized) Coatings on Iron	B. Manufacturer Warranty: Provide 2-year manufacturer warranty for defects in materials, fabrication, finishes, and installation. Complete forms in Owner's name and register with manufacturer.	<ul> <li>C. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.</li> <li>PART 3 EXECUTION</li> </ul>	A. Interior fabrications made of formed metal sheet, secondary supports, and anchors to structure, including:  PART 2 PRODUCTS	<ul> <li>A. Drawings and general provisions of the Contract, including General and Supplementary         Conditions and Division 01 Specification Sections, apply to this Section.</li> <li>1.02 SECTION INCLUDES</li> </ul>	
M A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron Steel Products; 2017.  M A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel	PART 2 PRODUCTS  201 DECORATIVE METAL UNITS	3.01 EXAMINATION  A. Verify that substrate and site conditions are acceptable and ready to receive work.	201 FORMED METAL FABRICATIONS - GENERAL  A. Shop Assembly: Preassemble items to greatest extent possible. Minimize field splices and	A. Composite wood decking.  1.03 RELATED REQUIREMENTS	
ware; 2023.  B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification; 2021,	A. Decorative Mouldings: Surface Mount Momument Logo     1. Base Metal: Steel and Color	Verify field dimensions of locations and areas to receive work.      Notify Architect immediately of conditions that would prevent satisfactory installation.	field assembly. Disassemble only as necessary for transportation and handling. Mark items clearly for assembly and installation.	<ul> <li>1.04 REFERENCE STANDARDS</li> <li>A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials;</li> </ul>	Project Manager Drawn Valentino Mancini Author
Errata (2023). C-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 2004.	<ol> <li>Profile: As indicated on drawings and per Owner Graphic Vector files</li> <li>Edges: Square.</li> </ol>	D. Do not proceed with work until detrimental conditions have been corrected.  3.02 PREPARATION	B. Coordination: Match dimensions and attachment of formed metal items to adjacent construction. Produce integrated assemblies. Closely fit joints; align edges and flat surfaces unless indicated otherwise.	A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.  1.05 SUBMITTALS	Project Leader Checked Valentino Mancini Checker
TRATIVE REQUIREMENTS  Installation Meeting: Schedule and conduct preinstallation meeting one week before	<ul> <li>A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units.</li> </ul>	A. Protect existing work.  B. Clean surfaces to receive units. Remove materials and substances detrimental to installation.	C. Forming: Profiles indicated. Maximize lengths. Fold exposed edges to form hem indicated or ease edges to radius indicated with concealed stiffener. Provide flat, flush surfaces without	<ul> <li>A. See Section 013000 - Administrative Requirements, for submittal procedures.</li> <li>B. Product Data: Provide technical data on wood preservative materials.</li> </ul>	Client
ing work of this section. Attendees include:  Contractor.  Manufacturer's representative.	203 FABRICATION	3.03 INSTALLATION  A. Comply with manufacturer's drawings and written instructions.	cracking or grain separation at bends.  D. Reinforcement: Increase metal thickness; use concealed stiffeners, backing materials or both.	<ul> <li>C. Shop Drawings: Indicate deck framing system</li> <li>D. Samples of Wood Deck Exposed To View: Submit two samples, 6" x 6" in size illustrating wood</li> </ul>	WAYNE STATE UN
Architect. Owner's representative.	A. Fit and shop assemble items in largest practical sections for delivery to site.  B. Fabricate items with joints tightly fitted and secured.  C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt	B. Install components plumb and level, accurately fitted, free from distortion or defects, and with tight joints, except where necessary for expansion.	Provide stretcher leveled standard of flatness and stiffness required to maintain flatness and hold adjacent items in flush alignment.  E. Anchors: Straps, plates and anchors as required to support and anchor items to adjacent	grain, stain, and finish.  1.06 QUALITY ASSURANCE	
TALS Section 013000 - Administrative Requirements for submittal procedures.	<ul> <li>C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.</li> <li>D. Fabricate anchors and related components of same material and finish as fabrication, except</li> </ul>	C. Anchor securely to structure.  D. Conceal anchor bolts and screws whenever possible. Where not concealed, use flush	Anchors: Straps, plates and anchors as required to support and anchor items to adjacent construction.  F. Supports: Miscellaneous framing, mounting, clips, sleeves, fasteners and accessories required	Designer Qualifications: Perform design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.	42 W Warren Ave, Detroit, MI 48202, Un
uct Data: Submit manufacturer's product data, including description of materials, ponents, finishes, fabrication details, anchors, and accessories.	where specifically noted otherwise.  E. Welding Fittings: Factory- or shop-welded; joints and seams ground smooth.	countersunk fastenings.  E. Isolate dissimilar materials with bituminous coating, bushings, grommets, or washers to prevent	for installation.  G. Welding and Brazing: Weld or braze joints continuously. Grind, fill or dress to produce smooth,	<ul> <li>B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with at least three years of documented experience and certified by AITC.</li> </ul>	WSU - Divine 9 Plaz
p Drawings: Indicate elevations and sections, details of profile, dimensions, sizes, nection attachments, anchorage, size and type of fasteners, and accessories. Indicate nor and joint locations, brazed connections, transitions, and terminations.	204 FABRICATION TOLERANCES  A. Squareness: 1/8 inch (3 mm) maximum difference in diagonal measurements.	electrolytic corrosion.  3,04 CLEANING	flush, exposed surfaces. Do not discolor metal. Grind smooth, polish, and restore damaged finishes to required condition.  202 MATERIALS	C. Installer Qualifications: Company specializing in performing work of the type specified in this section, with at least three years of documented experience.	1 Renovation
ufacturer's Instructions: Indicate installation. ufacturer's qualification statement.	B. Maximum Offset Between Faces: 1/16 inch (1.5 mm).  C. Maximum Misalignment of Adjacent Members: 1/16 inch (1.5 mm).	<ul><li>A. See Section 017000 - Execution and Closeout Requirements for additional requirements.</li><li>B. Remove protective film from exposed metal surfaces.</li></ul>	A. General: Provide sheet metal without pitting, seam marks, roller marks, stains, discolorations, or other imperfections exposed to view on finished units.	PART 2 PRODUCTS 201 MANUFACTURERS	
ders' qualification statement.  Itenance Data: Manufacturer's instructions for care and cleaning.	D. Maximum Bow: 1/8 inch (3 mm) in 48 inches (1.2 m).  E. Maximum Deviation from Plane: 1/16 inch (1.5 mm) in 48 inches (1.2 m).	C. Metal: Clean exposed metal finishes with potable water and mild detergent, in accordance with manufacturer recommendations; do not use abrasive materials or chemicals, detergents, or other substances that may damage the material or finish.	END OF SECTION	<ul><li>A. Composite Wood Decking:</li><li>1. Azek Building Products, Inc; TimberTech: www.azek.com/#sle.</li></ul>	DETROIT, MI, US Drawing Title
cuted warranty.  Y ASSURANCE	205 FINISHES  A. General: Comply with NAAMM AMP 500-06.	3.05 PROTECTION  A. Protect installed components and finishes from damage after installation.		<ol> <li>www.trex.com; Trex</li> <li>www.fiberondecking.com. Firberon</li> <li>Substitutions: See Section 016000 - Product Requirements.</li> </ol>	ARCHITECTURAL
nufacturer Qualifications: Company specializing in manufacturing products specified in this tion with not less than three years of documented experience.	<ol> <li>Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions, and surface blemishes to match sheet.</li> </ol>	<ul> <li>A. Protect installed components and finishes from damage after installation.</li> <li>B. Repair damage to exposed finishes to be indistinguishable from undamaged areas.</li> <li>C. If damage to finishes and components cannot be repaired to be indistinguishable from</li> </ul>		202 WOOD MATERIALS  A. Composite Decking: recycled wood mixed with plastic and molded into standard lumberboard	SPECIFICATIONS 3
Ider Qualifications: Welding processes and welding operators certified in accordance with VS B2.1/B2.1M no more than 12 months before start of scheduled welding work.	<ol> <li>Protect mechanical finishes on exposed surfaces from damage.</li> <li>Apply organic and anodic finishes to formed metal after fabrication unless otherwise indicated.</li> </ol>	undamaged finishes and components, replace damaged items.  END OF SECTION		sizes and accessory shapes.  1. Texture: Molded wood grain finish one side; smooth, matte finish on the other.	
RY, STORAGE, AND HANDLING	Appearance: Limit variations in appearance of adjacent pieces to one-half of range represented in approved samples. Noticeable variations in same piece are not acceptable. Install components within range of approved samples to minimize contrast.			<ol> <li>Color: Select from manufacturer's standard colors.</li> <li>Edges, Field Boards: Tongue and groove.</li> <li>Edges, Perimeter Boards: Tongue and groove one edge; bullnose on the other.</li> </ol>	
e Section 017419 - Construction Waste Management and Disposal for packaging waste	B. Steel Finishes:			<ol> <li>Recycled content: 80 percent.</li> <li>Surface Burning Characteristics: Flame spread index of 80, maximum; smoke developed</li> </ol>	
ver materials in factory-provided protective coverings and packaging.	Galvanize in accordance with ASTM A123/A123M.			index of 200 maximum when tested in accordance with ACTM EQ4	Scale
ver materials in factory-provided protective coverings and packaging. ect materials against damage during transit, delivery, storage, and installation at site. ect materials for damage upon delivery. Replace damaged and unrepairable materials.				index of 200, maximum; when tested in accordance with ASTM E84.  203 ACCESSORIES  A Fasteners and Anchors:	Scale 1 1/2" = 1'-0"
ver materials in factory-provided protective coverings and packaging. ect materials against damage during transit, delivery, storage, and installation at site.	<ol> <li>Galvanize in accordance with ASTM A123/A123M.</li> <li>Color: As indicated on drawings (Surface Mount Monument Logo)</li> </ol>	057000 - 3 Decorative Metal	057500 - 1 Decorative Formed Metal	* *	

# STRUCTURAL SPECIFICATIONS (CONTINUED)

STRUCTURAL SPECIFICATIONS / CONCRETE NOTES

1. OPENINGS AND PENETRATION LOCATION AND DIMENSIONS SHALL BE VERIFIED AND COORDINATED BEFORETHE CONCRETE IS POURED. MINIMUM DISTANCE BETWEEN SLEEVES IS THE GREATER OF SLEEVE DIAMETER OR 6 INCHES. OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL FROM STRUCTURAL ENGINEER IN WRITING PRIOR TO FIELD CUTTING/CORING SINCE ADDITIONAL REINFORCEMENT MAY BE REQUIRED.

2. CHAMFER: EXPOSED EDGES SHALL BE CHAMFERED 1/2", UNLESS NOTED

3. EMBEDDED ITEMS SHALL BE COORDINATED WITH OTHER TRADE DOCUMENTATION BY THE CONTRACTOR. NO CONDUITS MAY BE EMBEDDED IN CONCRETE. SET AND BUILD ANCHOR DEVICES AND EMBEDDED ITEMS REQUIRED FOR OTHER WORK THAT IS ATTACHED TO OR SUPPORTED BY CAST-IN-PLACE CONCRETE. USE SETTING DIAGRAMS, TEMPLATES, AND INSTRUCTIONS PROVIDED BY OTHERS FOR

a. COORDINATION: CONTRACTOR SHALL COORDINATE DEPRESSIONS FOR FLOOR FINISHES, FLOOR DRAINS, CURBS, CONCRETE PADS, INSERTS, AND WELDED

b. 28-DAY STRENGTH SHALL BE ATTAINED BEFORE POURING ANY TOPPING SLAB. OR BEFORE ANY MASONRY OR CONCRETE WALL IS ERECTED ON TOP. c. FLATNESS & LEVELNESS OF CONCRETE FLOOR SHALL BE AS FOLLOWS U.N.O.

d. THE CONTRACTOR SHALL PROVIDE CORRECTIVE MEASURES TO MEET

REQUIREMENTS FOR ASTM E1155 AND PROJECT SPECIFIC PARTITIONS.

1. UNLESS OTHERWISE PER CONTRACT DOCUMENTS, CAST THREE (3) CONCRETE TEST CYLINDERS (4" DIA x 8" HIGH) FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED FOR TESTING AT 7. 14 AND 28 DAYS AND ONE SET OF ONE CYLINDER FOR 56 DAY VERIFICATION. ADDITIONAL CYLINDERS MAY BE TAKEN AND TESTED FOR HIGH EARLY STRENGTH REQUIREMENTS SHOULD THE CONTRACTOR REQUIRE

2. AT THE TIME OF CASTING EACH SET OF TEST CYLINDERS, SAMPLE CONCRETE PER ASTM C172 AND MEASURE THE FOLLOWING AT THE POINT OF CONCRETE

UNIT WEIGHT PER ASTM C-138

3. AIR CONTENT PER ASTM C-173 OR ATM C-231

5. POST-INSTALLED ANCHORS SHALL BE INSPECTED PER IBC SPECIAL INSPECTION REQUIREMENTS AND BE CONTINIOUSLY INSPECTED DURING PLACEMENT.

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2025-03-12 Issued for 100% CD Client Review

2025-06-25 Issued for Bid

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Project Component

Key Plan

Consultants Architecture: NORR

Structural: NORR

Mechanical: Electrical:

Landscape: RON KOUDYS

NORR

150 W. Jefferson Avenue.. Suite 1300 Detroit, MI, US 48226

Project Manager Author Valentino Mancini Project Leader Valentino Mancini

WAYNE STATE UNIVERSITY

42 W Warren Ave, Detroit, MI 48202, United States

WSU - Divine 9 Plaza Renovation

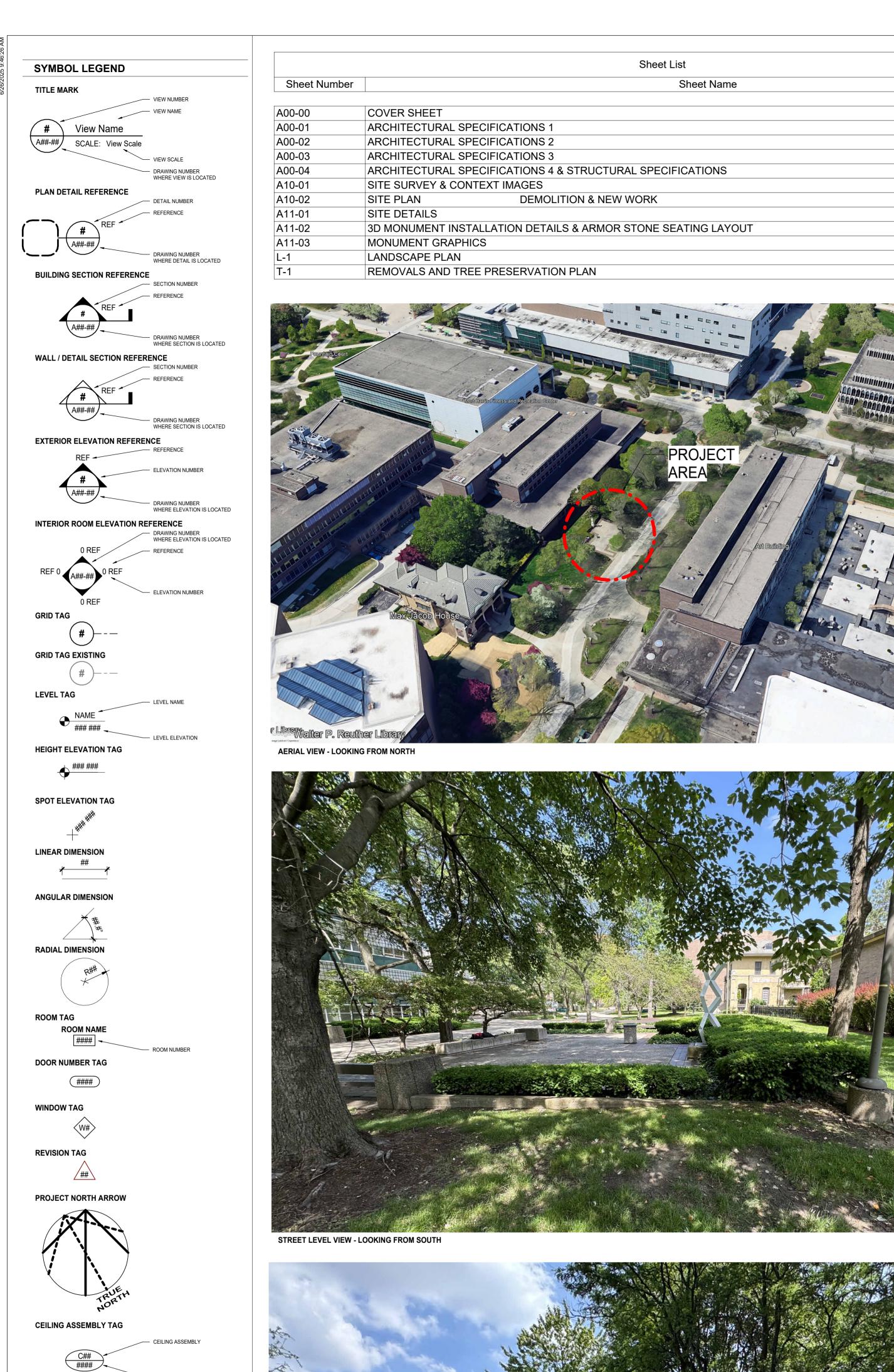
DETROIT, MI, US

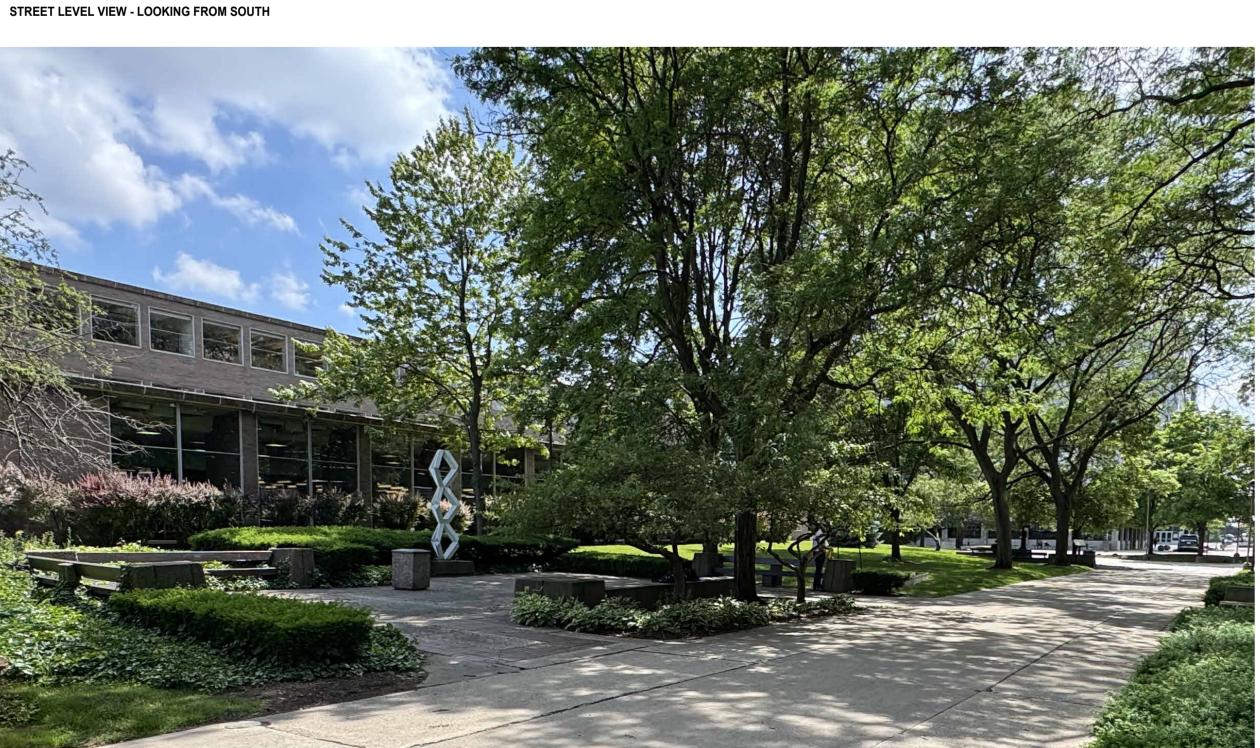
Drawing Title ARCHITECTURAL **SPECIFICATIONS 4 &** STRUCTURAL **SPECIFICATIONS** 

1 1/2" = 1'-0"

ED2024-0276

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STREET LEVEL VIEW - LOOKING FROM NORTH

FLOOR ASSEMBLY TAG

ROOF ASSEMBLY TAG

ACCESSORY TYPE TAG

**EQUIPMENT TYPE TAG** 

**FURNITURE TYPE TAG** 

MILLWORK TYPE TAG

ROOM FINISH TYPE TAG

XX-#

MW##

X#

AC##

EQ ##

(F##)

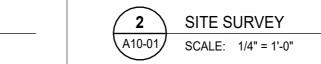
EXTERIOR WALL/ CURTAIN WALL/ PARTITION ASSEMBLY TAG

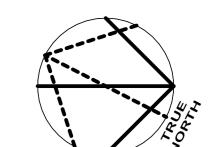




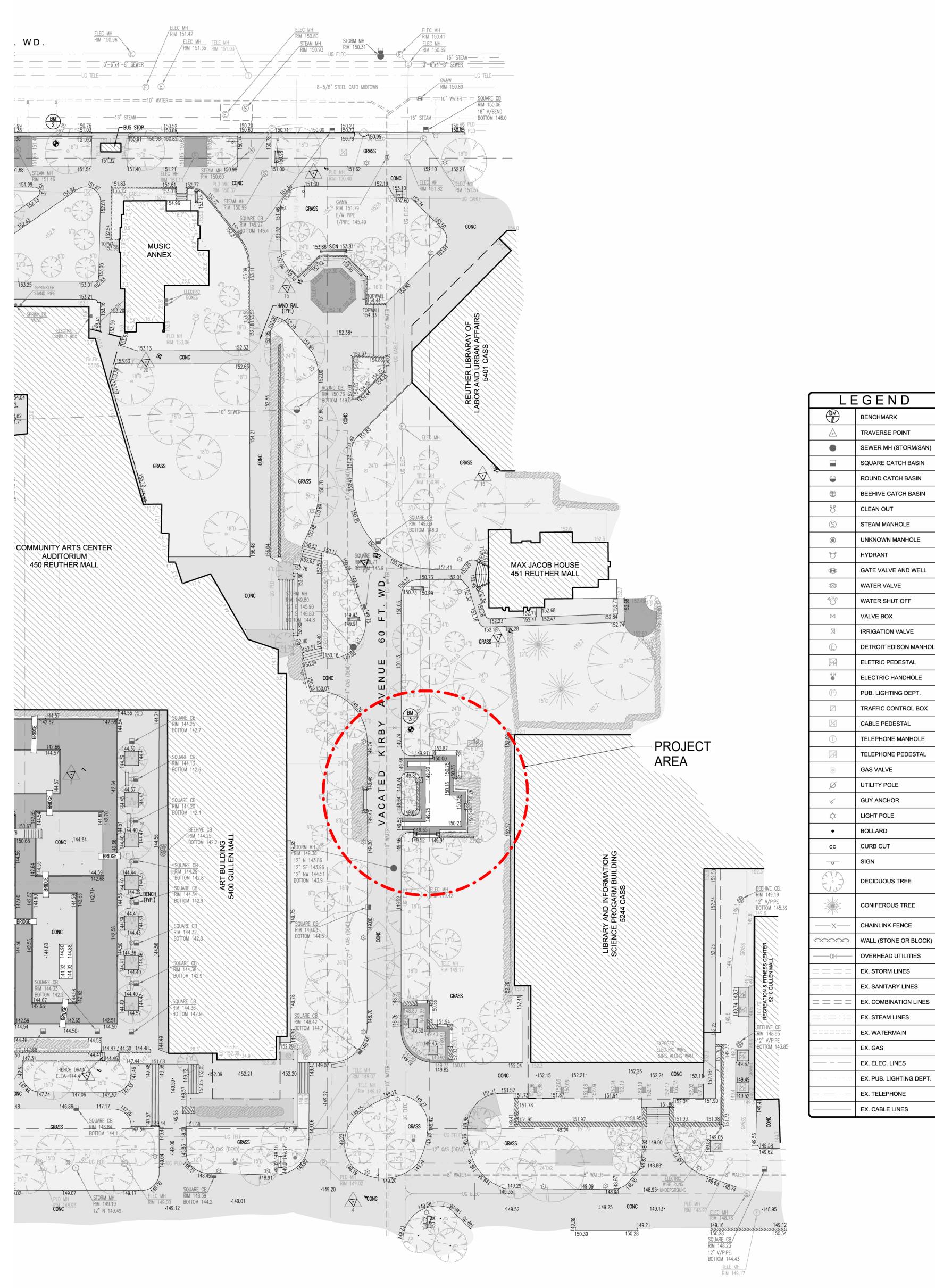








	DATE	ISSUED FOR	REV
	2024-09-23	Issued for 90% CD Client Review	1
	2024-12-20	Issued for 99% CD Client Review	2
\	2025-03-12	Issued for 100% CD Client Review	3
\	2025-06-25	Issued for Bid	4



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END	3	
HMARK		This drawing shall not be used for construction purposes until
ERSE POINT		the seal appearing hereon is signed and dated by the Archite or Engineer
R MH (STORM/SAN)		
RE CATCH BASIN		Project Component
ID CATCH BASIN		Key Plan

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Consultants		
Survey: Civil: Architecture: Structural: Mechanical: Electrical: Interiors:	NORR NORR	
Landscape:	RON KOUDYS	

NORR

150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com

Project Manager	Drawn
Valentino Mancini	Cem Muyan
Project Leader	Checked
Valentino Mancini	Valentino Mancini
Client	

**WAYNE STATE UNIVERSITY** 

42 W Warren Ave, Detroit, MI 48202, United States

WSU - Divine 9 Plaza Renovation

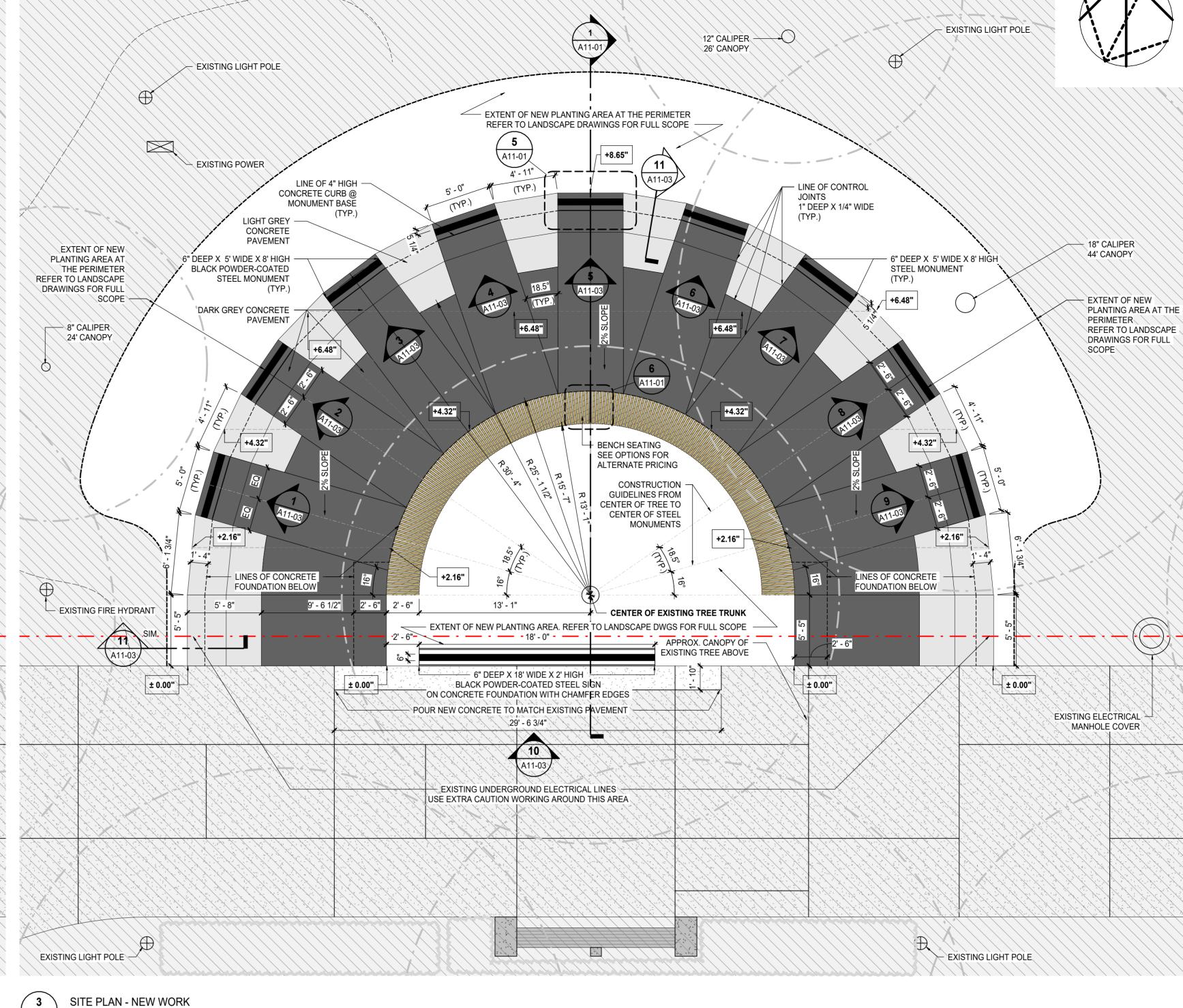
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Drawing Title SITE SURVEY & CONTEXT **IMAGES** 

As indicated ED2024-0276

Drawing No.

A10-01 ARCH E Title Block - v.2023 - Rev (July/23) - Copyright © 2023



SITE PLAN - DEMOLITION A10-02 SCALE: 1" = 5'-0"

**DEMOLITION GENERAL NOTES:** 

	DEMOLITION KEYNOTES
Key Value	Keynote Text
D1	REMOVE AND DISPOSE OF EXISTING STONE PAVERS AND REQUIRED SUB-LAYERS TO PREPARE SOIL SURFACE FOR NEW WORK.
D2	DEMOLISH AND DISPOSE OF EXISTING CAST-IN-PLACE CONCRETE SLAB, CONTROL JOINT FILLERS, AND REQUIRED SUB-LAYERS TO PREPARE SOIL SURFACE FOR NEW WORK.
D3	SAWCUT EXISTING CAST-IN-PLACE CONCRETE SLAB TO ALIGN WITH ADJACENT LINE OF REMOVAL. DEMOLISH AND DISPOSE OF PORTION OF CONCRETE SLAB, CONTROL JOINT FILLERS, AND REQUIRED SUB-LAYERS TO PREPARE SOIL SURFACE FOR NEW WORK.
D4	DEMOLISH AND DISPOSE OF EXISTING CAST-IN-PLACE CONCRETE CURB AND REQUIRED SUB-LAYERS TO PREPARE SOIL SURFACE FOR NEW WORK.
D5	DEMOLISH AND DISPOSE OF EXISTING PRECAST CONCRETE BENCH WITH WOOD SLAT SEATS AND FOUNDATION SUPPORTS. PREPARE SOIL SURFACE FOR NEW WORK.
D6	REMOVAL OF EXISTING SCULPTURE WILL BE COORDINATED WITH WSU AND UNDERTAKEN BY SPECIALIZED 3RD PARTY.
D7	DEMOLISH AND DISPOSE OF EXISTING CAST-IN-PLACE CONCRETE SCULPTURE STAND, FOUNDATION SUPPORTS AND REQUIRED SUB-LAYERS TO PREPARE SOIL SURFACE FOR NEW WORK. COORDINATE WORK WITH WSU BEFORE COMMENCEMENT.
D8	REMOVE EXISTING PRECAST CONCRETE GARBAGE BIN AND COORDINATE WITH OWNER FOR NEW LOCATION.
D9	REMOVE AND DISPOSE OF EXISTING WOOD PLANTER. PREPARE SOIL FOR NEW WORK AND PLANTING.
D10	REMOVE AND DISPOSE OF EXISTING METAL POST WITH FOUNDATION SUPPORT. PREPARE SOIL FOR NEW WORK AND PLANTING.
	DEMOLITION SYMBOL LEGEND
	EXISTING TO REMAIN
	EXISTING STONE PAVERS TO BE REMOVED

EXISTING CAST-IN-PLACE CONCRETE PAVEMENT TO BE DEMOLISHED

EXISTING EXISTING PRECAST CONCRETE TO BE DEMOLISHED

NEW 4' HIGH PLASTIC MESH CONSTRUCTION FENCE WITH POSTS

EXISTING WOOD SLAT SEATING TO BE REMOVED

EXISTING UNDERGROUND ELECTRICAL LINES

EXISTING TREE CANOPY ABOVE

1. ALL DIMENSIONS AND CONDITIONS ARE TO BE VERIFIED IN THE FIELD. ARCHITECT TO BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES. 2. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL OTHER LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION. 3. PROVIDE STRICT CONTROL OF JOB CLEANING AND PREVENT DUST AND DEBRIS FROM EMANATING FROM DEMOLITION/CONSTRUCTION AREA. KEEP AREA CLEAN. 4. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE

POINT IN QUESTION WITH THE TENANT BEFORE PROCEEDING. 5. AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA(S) SHALL BE LEFT IN "BROOM CLEAN" CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED AND JOB SITE KEPT CLEAN ON A DAILY BASIS.

6. ALL DEBRIS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH BUILDING MANAGEMENT REQUIREMENTS AND PROCEDURES

7. EXISTING CONSTRUCTION ADJACENT TO ITEMS BEING REMOVED TO BE ADEQUATELY PROTECTED AND PATCHED AND REPAIRED AS REQUIRED. ANY DAMAGE TO EXISTING FINISHES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGED SURFACES TO BE REPAIRED AND REFINISHED TO NEAREST INSIDE CORNER. ALL REPAIR WORK SUBJECT TO APPROVAL BY ARCHITECT/BUILDING MANAGEMENT.

8. COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SERVICES TO REMAIN. DE-ENERGIZE CIRCUITS AND MAKE THEM SAFE AS REQUIRED BY APPLICABLE CODES. RECONNECT CIRCUITS THAT ARE TO REMAIN AND ARE DISRUPTED DURING DEMOLITION.

9. RECONNECT EXISTING CIRCUITRY WHICH ORIGINATES OR PASSES THROUGH THE RENOVATED AREAS BUT SERVES OTHER AREAS NOT BEING RENOVATED. EXTEND THESE CIRCUITS AS MAY BE NECESSARY TO THE EXISTING PANELBOARDS.

10. COORDINATE WORK CONCERNING EXISTING EQUIPMENT AND SERVICES IN THE BUILDING WITH OWNER. CONTRACTOR TO CONTACT OWNER TO SCHEDULE A SHUTDOWN AT A TIME CONVENIENT TO OWNER WHEN IT BECOMES NECESSARY TO TEMPORARILY DISTURB OR INTERRUPT SYSTEMS OR SERVICES TO PERMIT DEMOLITION. CONTRACTOR REQUEST MUST BE IN WRITING.

11. CONTRACTOR TO GIVE A MINIMUM 7-DAYS PRIOR OR REASONABLE NOTICE TO THE OWNER FOR ANY SCHEDULED DEMOLITION OF CONSTRUCTION ACTIVITY THAT IS EXCESSIVLY LOUD BEYOND NORMAL CONSTRUCTION NOISE. THE INTENT IS TO AVOID DISRUPTION TO ADMINISTRATION AREAS OR EVENTS ADJACENT TO CONSTRUCTION AREA.

12. THIS FACILITY WILL BE OCCUPIED DURING CONSTRUCTION. WSU REQUIRES THAT ALL FOREMAN AND CONTRACTORS SIGN A COPY OF THEIR CONTRACTOR GUIDELINES. PROPER CONDUCT IS EXPECTED OF WORKERS AT ALL TIMES. CONTRACTOR SHALL KEEP ALL NOISE TO A REASONABLE LEVEL. WORKERS WILL BE REMOVED FROM CAMPUS FOR IMPROPER OR UNSAFE CONDUCT THAT INCLUDES LOUD MUSIC, FOUL LANGUAGE OR OTHER UNPROFESSIONAL DISRUPTING BEHAVIOR. FAILURE OF COMPLIANCE WITH ALL SAFETY REGULATIONS AND REQUIREMENTS WILL NOT BE ALLOWED.

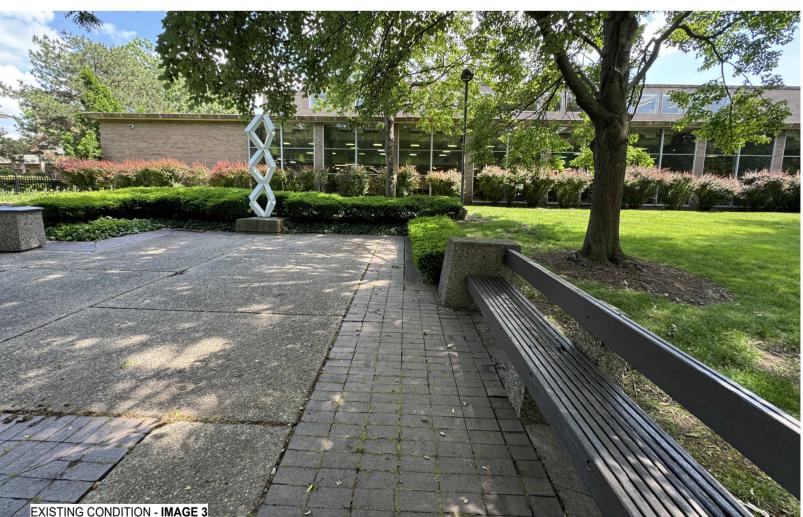
13. CONTRACTORS MUST HAVE FOREMAN ATTEND WEEKLY JOB PROGRESS

MEETINGS WHILE ON SITE. 14. MAINTAIN ALL EXISTING UTILITIES AND FIRE-PROTECTION FACILITIES AND PROTECT THEM AGAINST DAMAGE DURING ALL CONSTRUCTION OPERATIONS.



SCALE: 1" = 5'-0"







ISTING CONDITION - IMAGE 4

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entered into a contract.

Consultants Architecture: NORR Structural: NORR

Landscape: RON KOUDYS

Mechanical: Electrical:

NORR

150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226

Project Manager Cem Muyan Valentino Mancini Valentino Mancini

WAYNE STATE UNIVERSITY

42 W Warren Ave, Detroit, MI 48202, United States

WSU - Divine 9 Plaza Renovation

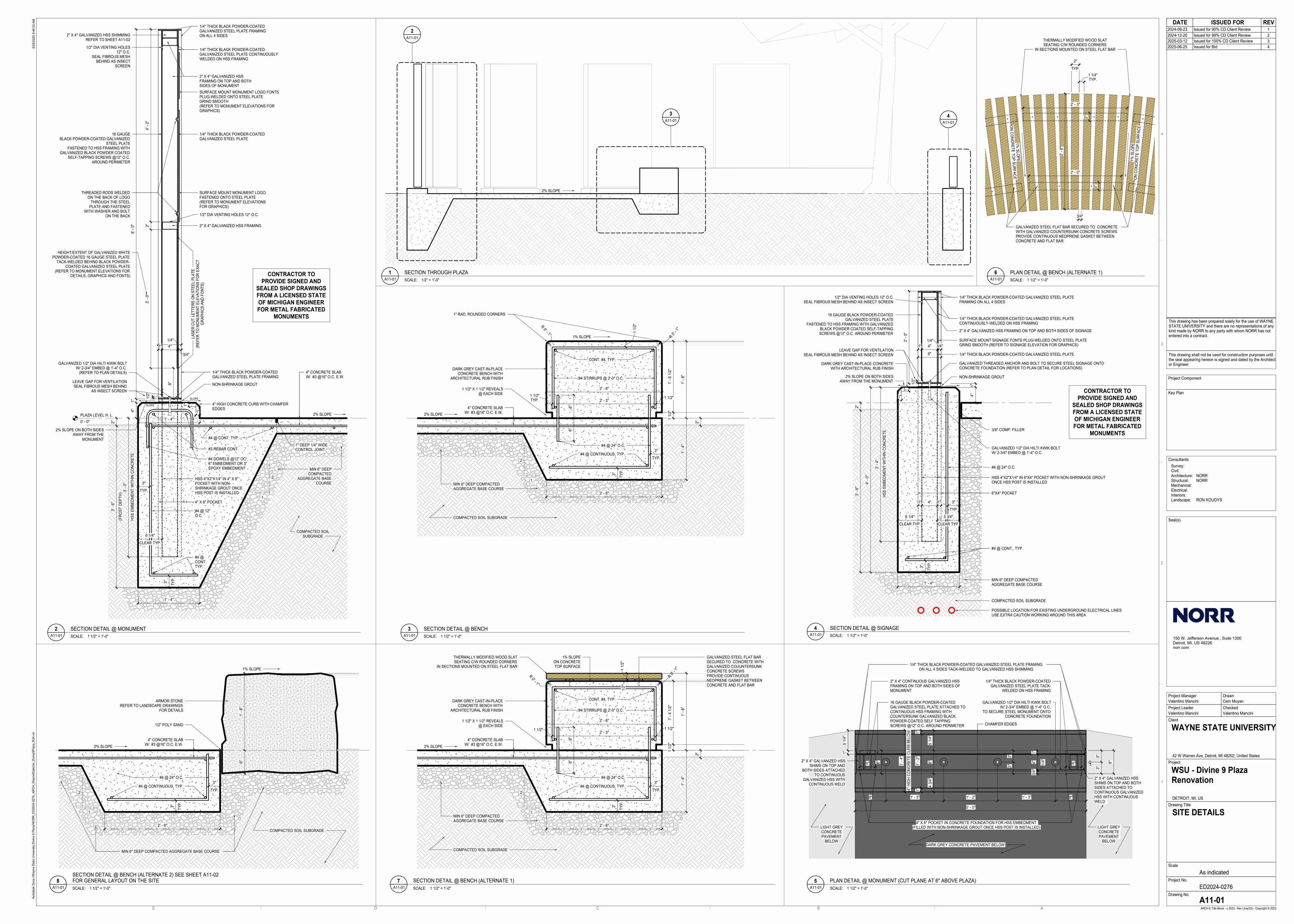
DETROIT, MI, US

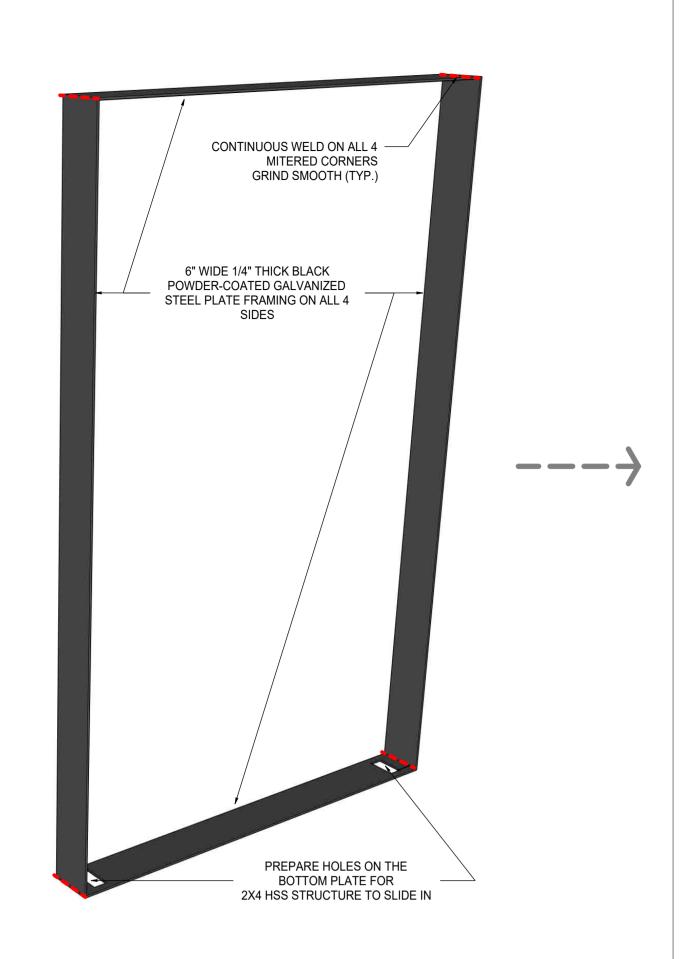
Drawing Title SITE PLAN **DEMOLITION & NEW WORK** 

1" = 5'-0"

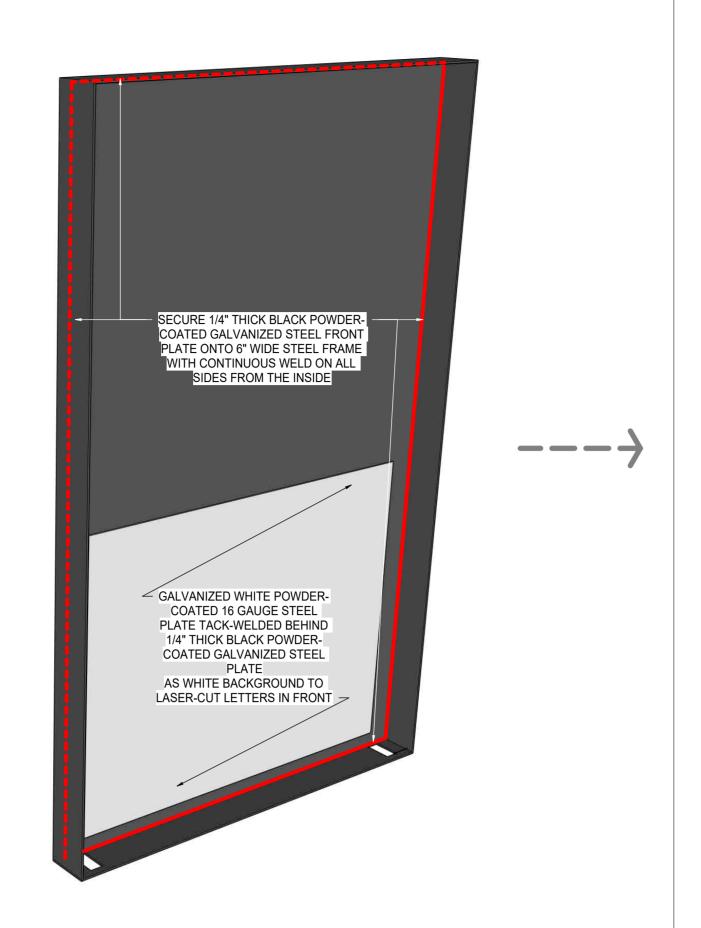
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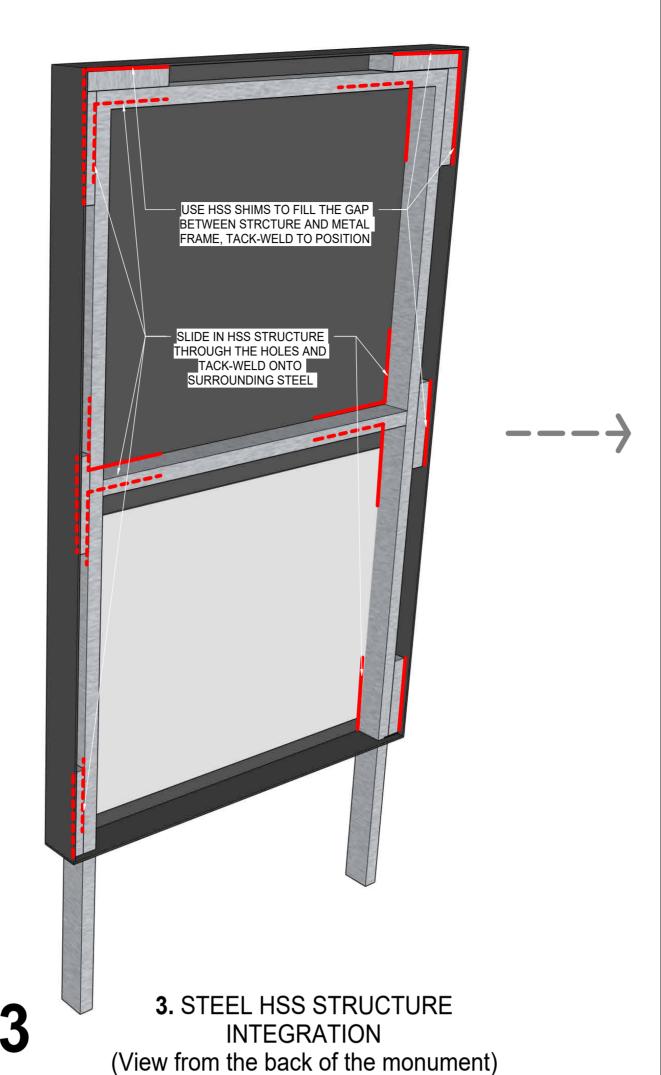


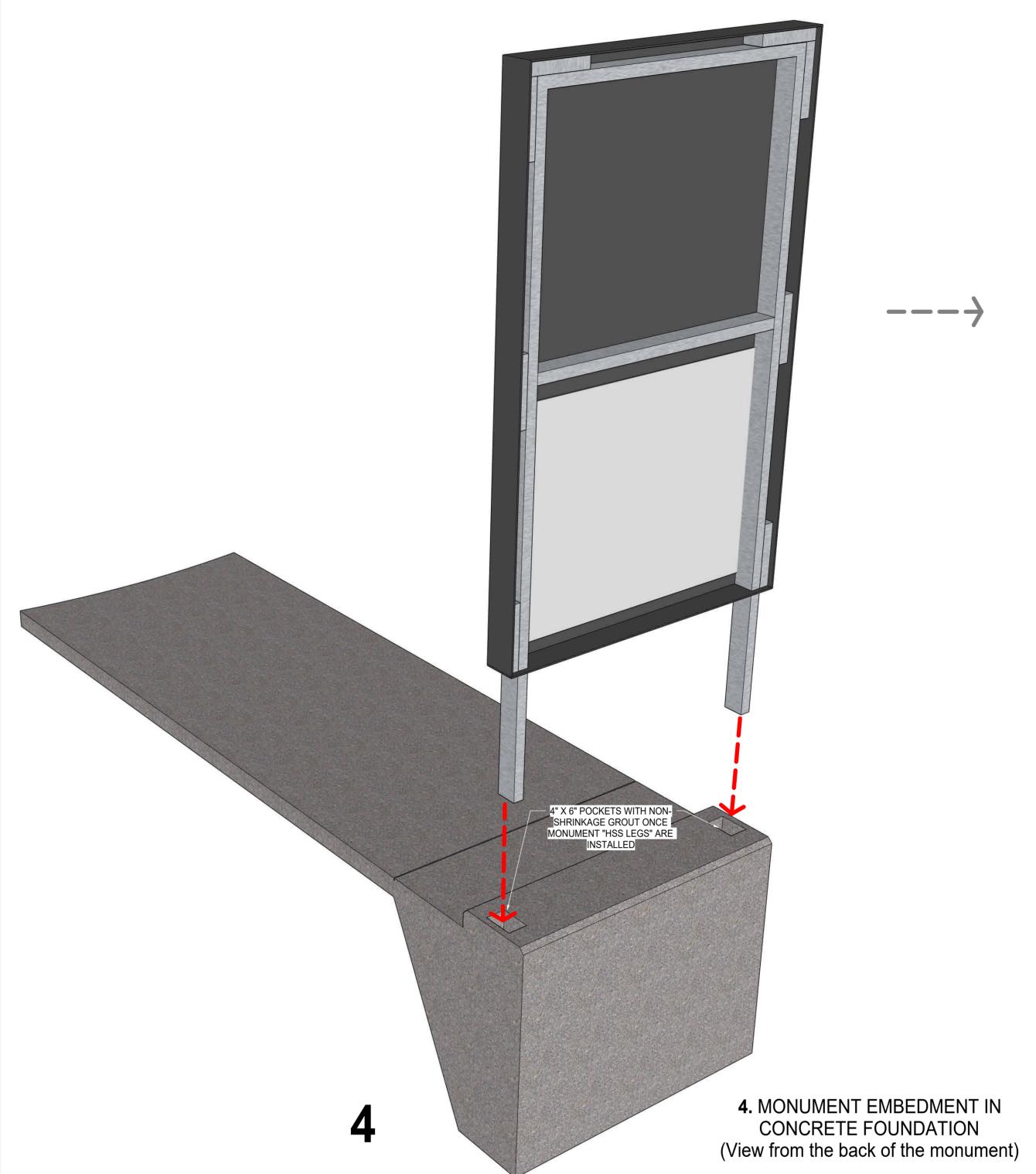


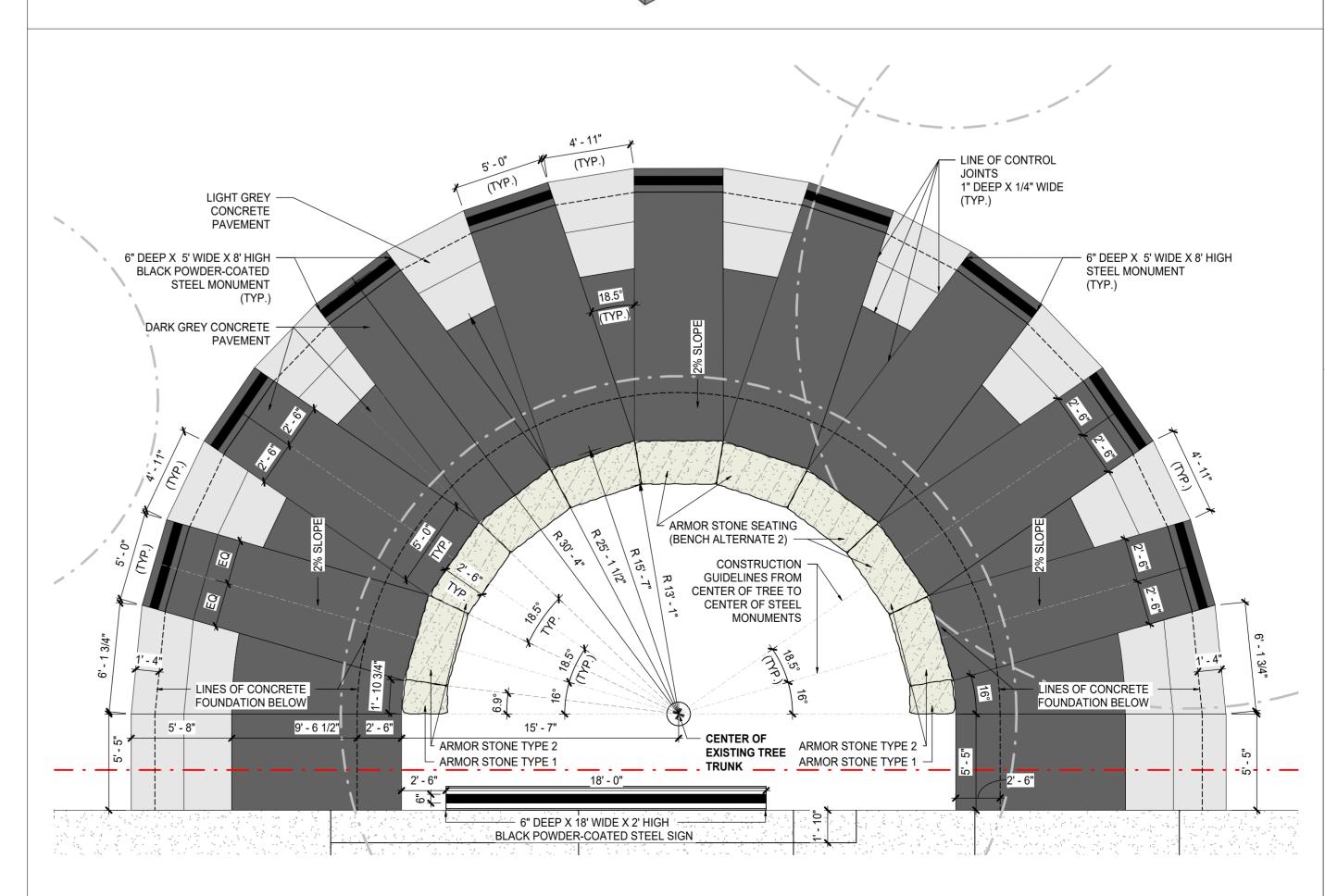
1. STEEL FRAME ASSEMBLY (View from the back of the monument)



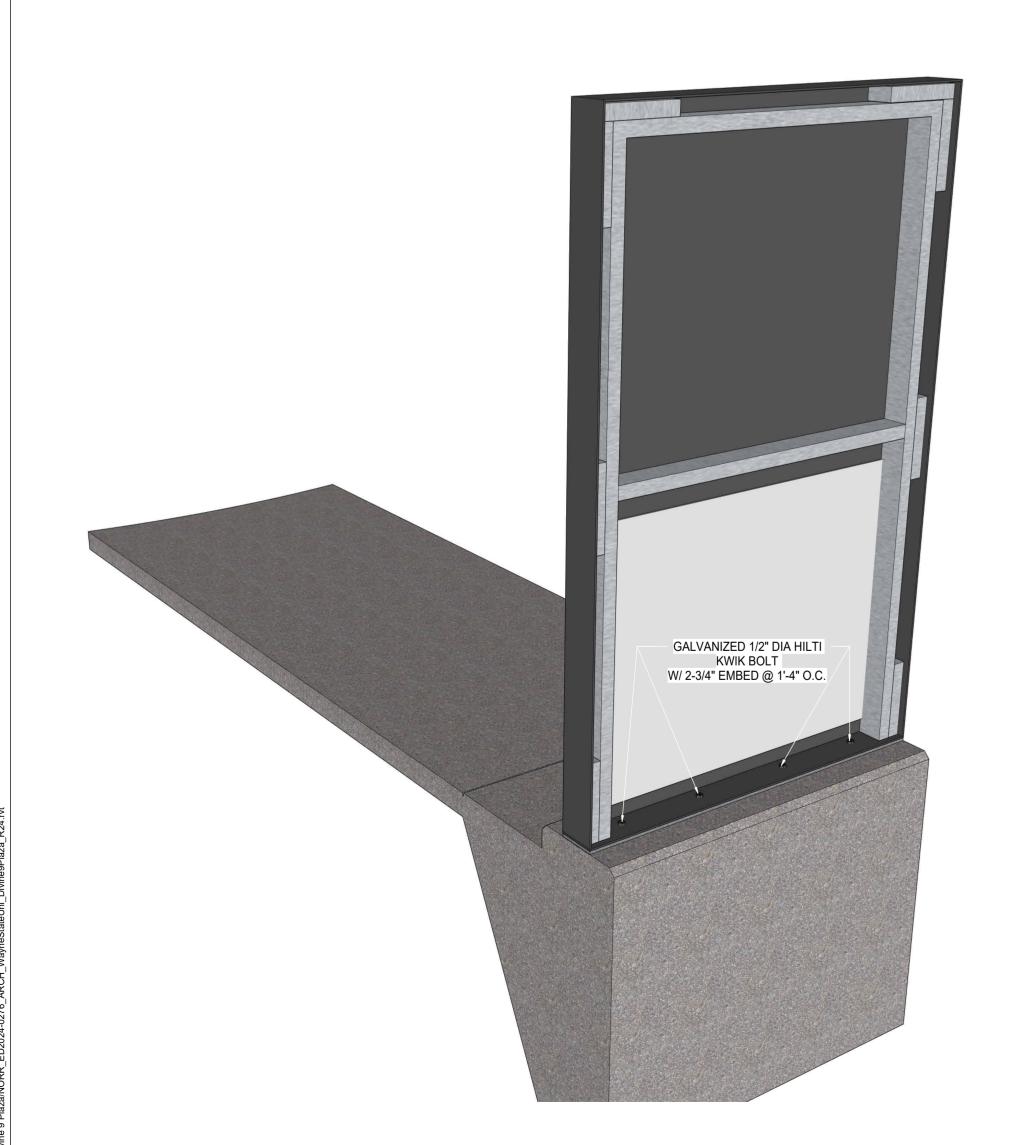
2. STEEL FRONT PLATE ATTACHMENT TO THE FRAME (View from the back of the monument)



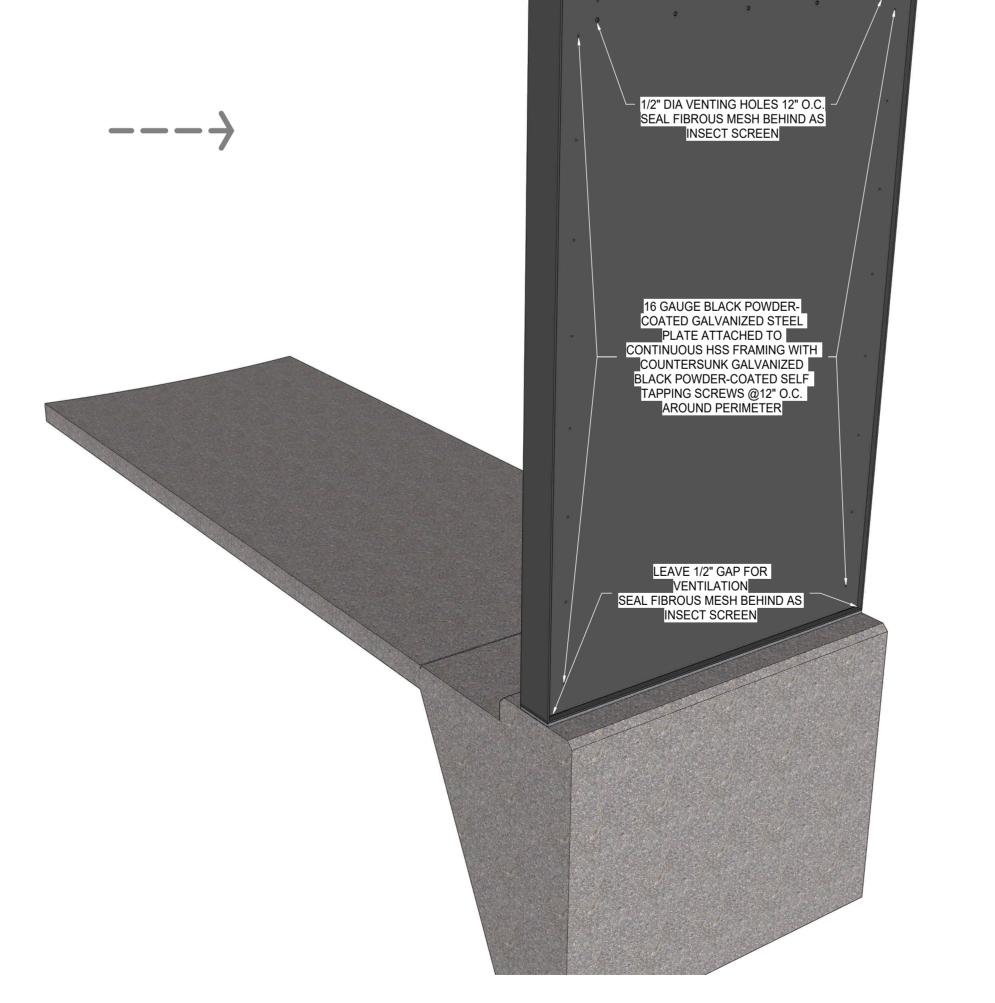




SITE PLAN - NEW WORK - ARMOR STONE SEATING LAYOUT (BENCH ALTERNATE 2) 2 (BENCH ALTER A11-02) SCALE: 1" = 5'-0"



5. EXPANSION BOLTS IN CONCRETE FOUNDATION (View from the back of the monument)



**6.** 16ga STEEL BACK PLATE FASTENED TO HSS STRUCTURE (View from the back of the monument)

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Consultants Architecture: NORR
Structural: NORR Mechanical:

Landscape: RON KOUDYS

Electrical:

NORR

150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com

Project Manager Valentino Mancini Cem Muyan Project Leader Valentino Mancini Valentino Mancini

WAYNE STATE UNIVERSITY

42 W Warren Ave, Detroit, MI 48202, United States

WSU - Divine 9 Plaza Renovation

DETROIT, MI, US

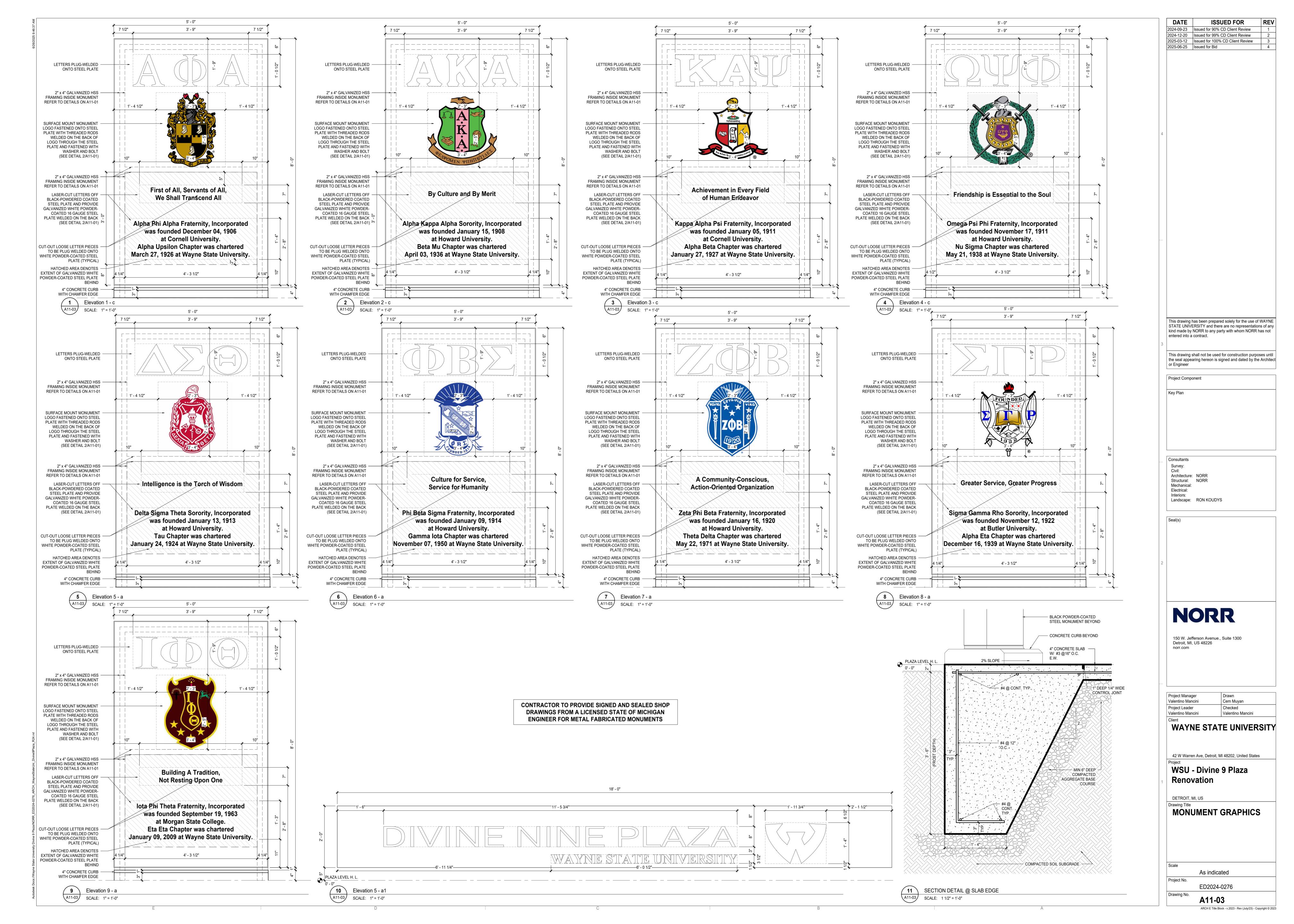
**3D MONUMENT INSTALLATION DETAILS &** ARMOR STONE SEATING LAYOUT

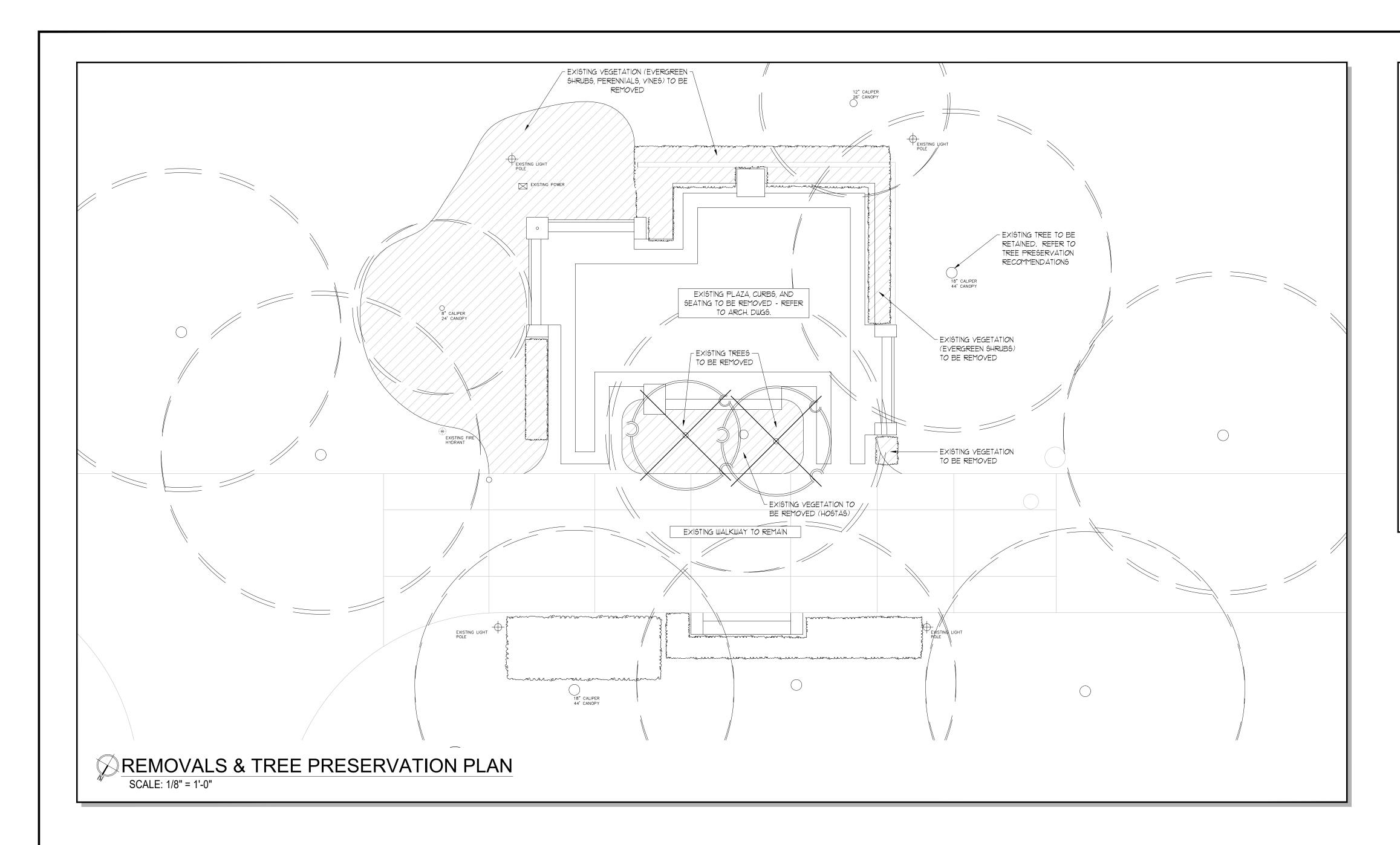
As indicated

ED2024-0276 Drawing No.

A11-02

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# CONSTRUCTION IMPACT MITIGATION RECOMMENDATIONS

### PRE-CONSTRUCTION RECOMMENDATIONS

- a)TREES APPROVED FOR REMOVAL ARE TO BE CLEARLY INDICATED IN THE FIELD (MARKED WITH SPRAY PAINT OR OTHER AGREED UPON METHOD) BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT PRIOR TO ANY TREE REMOVAL OPERATIONS. ALL REMOVALS TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.
- b) CARE SHOULD BE TAKEN DURING THE FELLING OPERATION TO AVOID DAMAGING THE BRANCHES, STEMS, TRUNKS, AND ROOTS OF NEARBY TREES TO BE PRESERVED. WHERE POSSIBLE, ALL TREES ARE TO BE FELLED TOWARDS THE CONSTRUCTION ZONE TO MINIMIZE IMPACTS ON ADJACENT VEGETATION. ALL REMOVALS TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.
- c) THE EXISTING GROUND-LAYER VEGETATION WITHIN TREE PROTECTION ZONES IS NOT TO BE DISTURBED.
- d)FINAL SITE GRADING PLANS SHOULD ENSURE THAT THE EXISTING SOIL MOISTURE CONDITIONS ARE MAINTAINED.

## RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

a) NO CONSTRUCTION, EXCAVATION, ADDING OF FILL, STOCKPILING OF CONSTRUCTION MATERIAL, OR HEAVY EQUIPMENT IS PERMITTED WITHIN THE TREE PROTECTION ZONE(S).

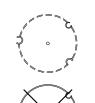
# b)NO TOPSOIL SHOULD BE STOCKPILED UNDER ANY EXISTING TREE CANOPY.

- c) WHEN EXCAVATION NEAR A TREE IS REQUIRED, AND IT IS ANTICIPATED THAT ROOTS WILL BE SEVERED AND EXPOSED, DURATION OF EXPOSURE IS TO BE MINIMIZED TO PREVENT ROOT DESICCATION.
- d)DURING THE EXCAVATION PROCESS, ROOTS 25MM OR LARGER THAT ARE SEVERED AND EXPOSED SHOULD BE HAND PRUNED TO LEAVE A CLEAN-CUT SURFACE. TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST. EXPOSED SEVERED ROOTS THAT CANNOT BE COVERED IN SOIL ON THE SAME DAY AS THE CUTS ARE MADE ARE TO BE KEPT MOIST. EXPOSED ROOTS ARE TO BE KEPT MOIST BY COVERING THEM WITH WATER SOAKED BURLAP OR ANY OTHER MEANS AVAILABLE TO PREVENT THEM FROM DRYING OUT.
- e)AVOID IDLING HEAVY EQUIPMENT UNDER OR WITHIN CLOSE PROXIMITY TO TREES TO BE PRESERVED TO PREVENT CANOPY DAMAGE FROM EXPOSURE TO THE HEAT OF THE EXHAUST.

# POST-CONSTRUCTION RECOMMENDATIONS

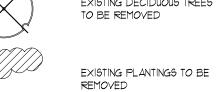
- a) AVOID DISCHARGING RAIN WATER LEADERS ADJACENT TO RETAINED TREES, AS THIS MAY RESULT IN AN OVERLY MOIST ENVIRONMENT WHICH CAN CAUSE ROOT ROT.
- b)A FINAL REVIEW MUST BE UNDERTAKEN BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT TO ENSURE THAT ALL MITIGATION MEASURES AS DESCRIBED ABOVE HAVE BEEN MET.

# LEGEND



EXISTING DECIDUOUS TREES

EXISTING DECIDUOUS TREES TO BE REMOVED







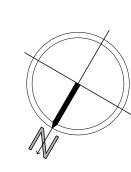
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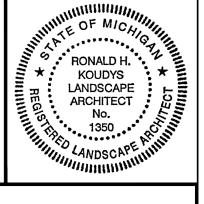
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OR TENDER PURPOSES UNLESS SIGNED AND DATED BY RONALD H. KOUDYS, OALA, CSLA, LANDSCAPE ARCHITECT, LONDON, ONTARIO (519) 667-3322.

Ronald H. Koudys, O.A.L.A. C.S.L.A. DATE

JUNE 25, 2 <i>0</i> 25	ISSUED FOR BID	4.
NOV. 20, 2024	OWNER'S FINAL REVIEW	3.
SEPT. 20, 2024	ISSUED FOR REVIEW	2.
SEPT. 12, 2 <i>0</i> 24	ISSUED FOR REVIEW	1.
DATE	DESCRIPTION	No.

PLOTTING INFORMATION: PLOTTED DATE = JUNE 20, 2025 PLOTTED SCALE = 1:1



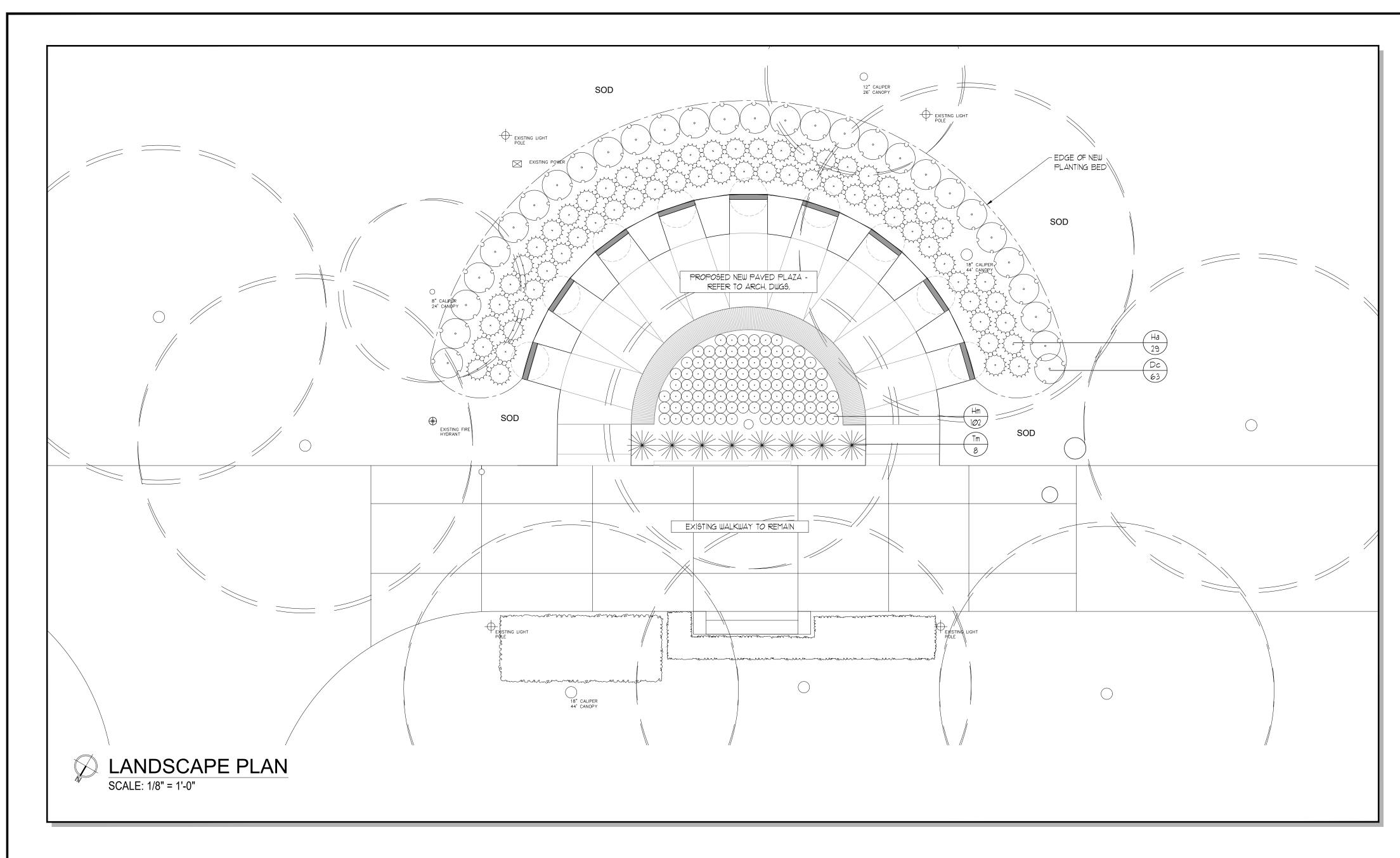


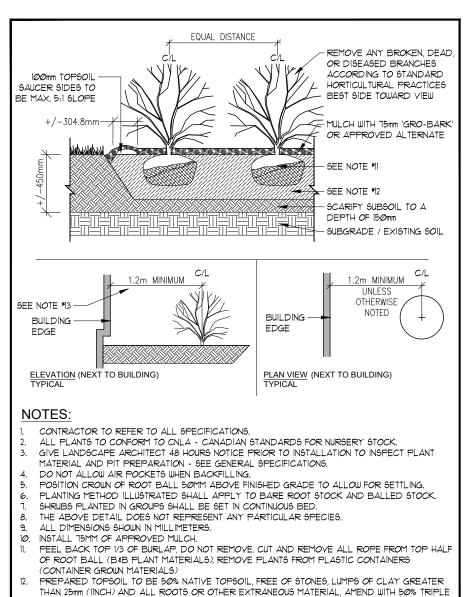
DIVINE NINE PLAZA WAYNE STATE UNIVERSITY

DETROIT, MICHIGAN

REMOVALS AND TREE PRESERVATION PLAN

SEPT. 2024	AS NOTED	
DRAWN: RKLA Inc.	CHECKED BY: R.H.K.	T-1
PROJECT No. 24-1	99 Lf	

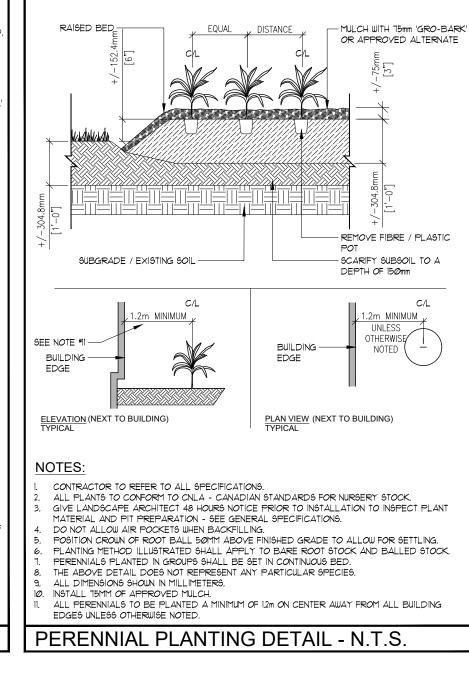


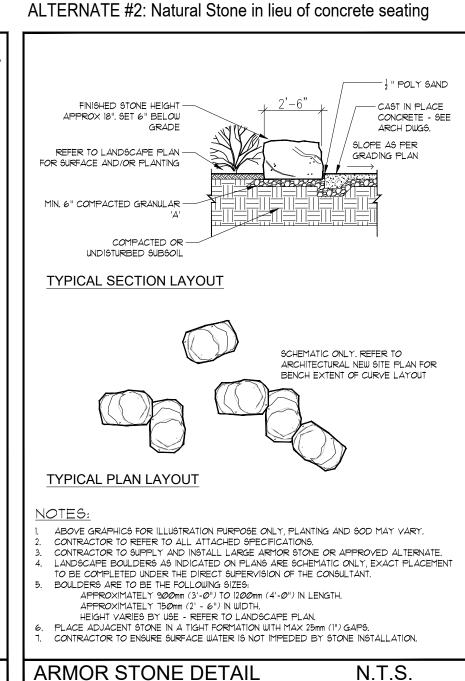


MIX: MAX. 1/3 OF PLANTING BED DEPTH MAY BE ABOVE GRADE WHERE SOILS ARE HEAVILY

COMPACTED TOPSOIL TO BE TAMPED TO MINIMIZE SETTLEMENT. . ALL SHRUBS TO BE PLANTED A MINIMUM OF 1.2m ON CENTER AWAY FROM ALL BUILDING EDGES

SHRUB PLANTING DETAIL - N.T.S.





# PLANT MATERIAL

COMMON NAME BOTAL

KEY COMMON NAME BOTANICAL NAME QTY SIZE COND

DC DWARF DEUTZIA Deutzia crenata 'Nikko' 63 3gal POT

Ha ANNABELLE HYDRANGEA Hydrangea arborescens 'Annabelle' 29 2yr5gal POT

Hm VARIEGATED HAKONE GRASS Hakonechloa macra 'Aureola' 102 2yr1gal POT

Tm DENSE YEW Taxus x media 'Densiformis' 8 40cm POT

# **GENERAL PLANTING SPECIFICATIONS:**

- I. BASE INFORMATION SUPPLIED BY NORR
- . DAGE IN ON TATION OUT FILED BY NORM. 2. CONTRACTOR TO MAKE THEMSELVES FAMILIAR WITH ALL RELATED SPECIFICATIONS. 3. CONTRACTORS ARE RESPONSIBLE FOR REVIEW OF ALL SPECIFICATIONS AND RELATED DRAWINGS WITH SELECTED SUB-CONTRACTORS AS
- THEY PERTAIN TO WORK AS OUTLINED ON LANDSCAPE ARCHITECTURAL WORKING DRAWINGS AND SPECIFICATIONS.

  4. REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT DURING TENDERING PROCESS, ERRORS AND/OR OMISSIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL MAINTAIN ALL LANDSCAPED AREAS UNTIL OWNER ACCEPTANCE OF PROJECT. CONTRACTOR TO NOTIFY LANDSCAPE
  ARCHITECT IN WRITING ON COMPLETION OF PROJECT FOR A SITE WORK COMPLETION CERTIFICATE AS WELL AS THE COMMENCEMENT OF THE
  ACCEPTANCE OF PROJECT.
   ALL WORKMANSHIP TO BE WARRANTIED FOR ONE YEAR UNLESS OTHERWISE STATED. WARRANTY PERIOD WILL BEGIN ON FINAL
  ACCEPTANCE OF PROJECT.
- ALL WORKMANSHIP TO COMPLY WITH THE CANADIAN LANDSCAPE STANDARDS.
   ALL NURSERY STOCK TO BE #I NURSERY GROWN AND MUST COMPLY WITH THE CANADIAN NURSERY LANDSCAPE ASSOCIATION'S "CANADIAN NURSERY STOCK STANDARD", LATEST EDITION.
- 9. ALL LANDSCAPING IS TO BE INSTALLED PRIOR TO THE END OF THE FIRST GROWING SEASON FOLLOWING THE OCCUPANCY OF THE SITE DEVELOPMENT UNLESS OTHERWISE STATED.
   10. CONTRACTOR IS RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND MUST SUPPLY THE LANDSCAPE ARCHITECT WITH COPIES OF LOCATE CERTIFICATES PRIOR TO COMMENCEMENT OF WORK.

#### RADING CONTRACTOR TO ENGURE POGITIVE DRAINAGE IN ALL AREAG.

- ALL GRADING TO BE IN ACCORDANCE WITH SITE ENGINEERS DRAWINGS.
   SOIL SHALL BE SCARIFIED FREE OF ALL STONES, ROOTS, BRANCHES LARGER THAN I" (25MM) AND COMPACTED TO 85% S.P.D.
   ALL SUBSOIL TO BE SCARIFIED TO A DEPTH OF 6" (150 MM) PRIOR TO THE INSTALLATION OF TOPSOIL TO ENSURE NO HARDPAN
- 5. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF TOPSOIL TO APPROVE SUBBASE.
  6. DIRECT ALL RAINLEADERS AND SUMP LEADERS AWAY FROM PLANTING BEDS AND TO THE DESIGNATED SWALES.
  7. NOTIFY LANDSCAPE ARCHITECT IN WRITING OF ANY SUBSTANTIAL WET CONDITIONS.
- TOPSOIL

  I. AT THE CONTRACTORS EXPENSE A SOIL TEST IS TO BE COMPLETED BY A REPUTABLE LABORATORY. THE SOIL TEST IS TO BE COMPLETED
  AND IF NECESSARY, RECOMMENDATIONS FROM THE LABORATORY ARE TO BE INCLUDED. THE RESULTS OF SOIL TESTS AND
- RECOMMENDATIONS ARE TO BE PROVIDED TO THE LANDSCAPE ARCHITECT FOR APPROVAL ONE WEEK PRIOR TO WORK COMMENCING.

  2. TOPSOIL FOR PLANTING BEDS 15 TO BE A FERTILE, FRIABLE, NATURAL LOAM TO A MINIMUM DEPTH OF 18" (450MM), AND A MINIMUM DEPTH OF 4" (100MM) FOR TURF AREAS UNLESS OTHERWISE STATED TOPSOIL SHALL CONTAIN NOT LESS THAN 4% ORGANIC MATTER FOR CLAY LOAMS AND NOT LESS THAN 2% ORGANIC MATTER! FOR SANDY LOAM TO A MAXIMUM OF 15%, AND CAPABLE OF SUSTAINING, VIGOROUS PLANT GROWTH, FREE OF SUBSOIL CONTAMINATION, ROOTS AND STONES OVER 50MM DIAMETER, REASONABLY FREE OF WEEDS, AS
- 3M TO RETAIN SOIL MICROORGANISMS AND SOIL VIABILITY AND FERTILITY.

  4. IF APPLICABLE, ALL WORK IN ANY ROAD ALLOWANCE SHALL MEET THE MINIMUM SPECIFICATIONS OF THE MUNICIPALITY. ENSURE A MINIMUM OF 100MM TOPSOIL IS INSTALLED IN BOULEVARDS.

  5. PROTECT THE MUNICIPALITY OWNED ROAD ALLOWANCE(5)/BOULEVARD(5) FROM COMPACTION OR SOIL CONTAMINATION.

3. IF TOPSOIL IS TO BE STOCKPILED FOR USE ON SITE DEVELOPMENT, AVOID MIXING TOPSOIL WITH SUBSOIL, LIMIT HEIGHT OF STOCKPILE TO

MULCH I. ALL TREEPITS, SHRUB PITS AND PLANTING AREAS ARE TO BE MULCHED UNLESS OTHERWISE NOTED.

DETERMINED BY THE LANDSCAPE ARCHITECT, AND HAVING A 6H RANGING FROM 60 TO 10.

CONTRACTOR TO INSTALL 3" (15MM) OF 'GRO-BARK' MEDIUM MULCH IN ALL AREAS.
 ALTERNATIVES MAY BE ACCEPTED - CONTRACTOR TO PROVIDE 3 SAMPLES FOR WRITTEN APPROVAL TO THE LANDSCAPE ARCHITECT.

PLANT MATERIALS

I. CONTRACTOR TO VERIFY ALL PLANT MATERIAL ON DRAWING(S) AND PLANT MATERIAL LIST(S), REPORT ALL DISCREPANCIES AT TENDERING PROCESS.

SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT WRITTEN CONFIRMATION BY THE LANDSCAPE ARCHITECT.

- 3. PLANTINGS MAY BE ADJUSTED TO SUIT UTILITIES STRUCTURES AND AESTHETIC CONCERNS, ADJUSTMENTS ARE TO BE MADE UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. ADJUSTMENTS TO PLANTING WITHOUT CONSENT OF LANDSCAPE ARCHITECT AND OR PROJECT MANAGER MAY NOT MEET INTENT OF DESIGN AND OR MUNICIPAL APPROVALS, PLANT MATERIAL THAT HAS TO BE RELOCATED AS A RESULT WILL BE AT THE COST OF THE CONTRACTOR.
- LANDSCAPE ARCHITECT TO INSPECT ALL PLANT MATERIAL ON SITE OR AT ITS SOURCE PRIOR TO INSTALLATION. CONTRACTOR IS TO GIVE LANDSCAPE ARCHITECT 48 (HRS) NOTICE FOR INSPECTION.
   CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IN WRITING IF ADVERSE WEATHER MAY IMPACT THE HEALTH OF THE PLANT MATERIALS AT
- TIME OF PLANTING. IE. TEMPERATURE, PRECIPITATION.
  6. ALL TREE PITS SHALL BE AT LEAST 2 FT. (600MM) WIDER THAN BALL OF THE TREE TO BE PLANTED AND SHALL BE DEEP ENOUGH SO THAT THE TOP OF BALL IS AT THE SAME LEVEL AS SURROUNDING GRADE. A MINIMUM OF 6" (150MM) OF BACKFILL SHALL BE PLACED
- UNDER BALL. TREE PITS ARE NOT TO BE LEFT OPEN OVER NIGHT.

  SHRUB BEDS SHALL BE EXCAVATED TO A DEPTH OF 18" (450MM) AND FILLED WITH APPROVED BACKFILL MATERIAL. SHRUB BEDS ARE NOT TO BE LEFT OPEN OVER NIGHT.
- ALL TREES SHALL HAVE AN EARTH SAUCER AT ITS BASE WITH A DIAMETER AS LARGE AS EXCAVATED AREA AND SHAPED TO RETAIN WATER (SEE DETAIL), EARTH SAUCER TO HAVE APPROVED MULCH INSTALLED TO A MINIMUM DEPTH OR 2.5" (63MM),
   ALL BURLAP SHALL BE CUT AND BURIED BELOW SURFACE DURING PLANTING.
- 10. ALL EVERGREENS ARE TO WRAPPED THE FIRST WINTER AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR.

  11. ALL SHRUBS PLANTED WITHIN IM OF SALTED ROADWAYS, PARKING AND SIDEWALKS TO BE PROTECTED WITH SILT FENCING THROUGHOUT THE FIRST WINTER AFTER INSTALLATION AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR. (OPTIONAL)
- 12. D'RECT ALL RAINLEADERS AND SUMP LEADERS AWAY FROM PLANTING BEDS AND TO DESIGNATED DRAINAGE SWALES.
  13. DO NOT INSTALL PLANT MATERIAL IN DRAINAGE SWALES.
  14. CONTRACTOR 15 TO REMOVE ALL STAKES AND GUY WIRES AFTER 2 FULL GROWING SEASONS.

#### <u>SOD</u> I. ALL LANDSCAPED AREAS TO BE SODDED TO THE STREET CURB (S) UNLESS OTHERWISE STATED.

- CONTRACTOR TO ENSURE (WHERE APPLICABLE) ALL PLANTING BEDS ADJACENT TO TRAFFIC ISLANDS, INTERIOR SITE CURBING, AND SIDEWALKS HAVE A 3'Ø"(1ØM) SOD MAINTENANCE STRIP INSTALLED.
   ANY SODDING OR WORKS ON LANDS ABUTTING THE PROPERTY FROM THE LOTLINES TO SIDEWALK AND CURBING, SHALL BE COMPLETED
- OR REPAIRED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, CITY, AND OR REGIONAL MUNICIPALITY UNLESS OTHERWISE STATED.

  4. SOD SHALL BE CERTIFIED \* I CULTIVATED TURF GRASS, GROWN AND SOLD IN ACCORDANCE WITH THE CLASSIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO. AT TIME OF SALE IT SHALL HAVE A STRONG FIBROUS ROOT SYSTEM AND SHALL BE CUT IN PIECES APPROXIMATELY ONE SQ.YD (900 M2) IN AREA WITH THE SOIL PORTION BEING 3/4" IN.(19MM).
- 5. SOD TO BE FERTILIZED AT THE APPROPRIATE RATES AS INDICATED BY SOIL TESTS COMPLETED BY A REPUTABLE SOILS LABORATORY.
   6. UPON INSTALLATION AREAS SHOULD BE WATERED SO AS TO SATURATE SOD AND THE UPPER 4" (100MM) OF BACKFILL TOPSOIL. AFTER SOD AND SOIL HAVE DRIED SUFFICIENTLY TO PREVENT DAMAGE, IT SHALL BE ROLLED WITH A ROLLER PROVIDING 1 500 LBS. (681KG)
- PRESSURE PER SQ.FT.

  1. CONTRACTOR TO REPAIR ALL DAMAGED AREAS TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND OR CLIENT.
- WATERING I. DURING THE WARRANTY PERIOD, BETWEEN MAY 15 AND SEPTEMBER 15 OF EACH YEAR, WATERING OF ALL PLANTS SHALL BE CARRIED OUT
- NO LESS THAN 6 TIMES PER YEAR, IN ACCORDANCE WITH THE WATERING SCHEDULE TO BE DETERMINED BY THE OWNER, UNLESS OTHERWISE STATED ON THE DRAWINGS, CRITICAL WATERING MONTHS ARE JUNE, JULY & AUGUST.

  2. IF NO AUTOMATED IRRIGATION SYSTEM HAS BEEN PROVIDED FOR WATERING OPERATIONS, CONTRACTOR TO PROVIDE WATER TO THE SITE
- IF NO AUTOMATED IRRIGATION SYSTEM HAS BEEN PROVIDED FOR WATERING OPERATIONS, CONTRACTOR TO PROVIDE WATER TO THE SITE
  IF HOSE BIBS WITHIN THE BUILDING ENVELOPE ARE NOT AVAILABLE.
   MANUAL WATERING SHOULD ENSURE DEEP WATERING OF TREES, SHRUBS, GROUND COVERS AND GRASSED AREAS. WATERING OF GRASSED
- AREAS TO COMMENCE ON A REGULAR BASIS AND CONTINUE WITH INTENSITY DEPENDING ON AMOUNT OF RAINFALL, NEW SOD THAT HAS BEEN LAID SHOULD BE KEPT MOIST FOR 4 TO 5 WEEKS OR UNTIL IT HAS FIRMLY ROOTED INTO THE EXISTING SOIL.

  4. ALL CONIFEROUS TREES SHALL BE WATERED IN LATE FALL, JUST PRIOR TO FREEZE-UP.
- 5. WATER SHALL BE APPLIED SO THAT THE WASHING OF THE SOIL OR DISLODGING OF MULCH OR TREE GUARDS DOES NOT OCCUR. DAMAGE SHALL BE IMMEDIATELY REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- NATURAL STONE

  1. CONTRACTOR TO SUPPLY AND INSTALL LARGE 'LIMESTONE ARMOR STONE' OR APPROVED ALTERNATE, LANDSCAPE BOULDERS AS INDICATED ON PLANS ARE SCHEMATIC ONLY EXACT PLACEMENT TO BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT, BOULDERS ARE TO BE OF THE FOLLOWING SIZING:
- 20 % 600 X 600 X 600 2. ROCKS ARE TO BE BURIED 1/3 BELOW GRADE AND BACKFILLED IN 150 MM LIFTS, CONTRACTOR TO INSTALL LANDSCAPE FABRIC BEHIND BOULDERS, TYPICAL.

# **LEGEND**



EXISTING DECIDUOUS TREES TO REMAIN



PLANT KEYS - SEE PLANT MATERIALS LIST







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WITHOUT THE LANDSCAPE ARCHITECTS WRITTEN PERMISSION.

THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OR
TENDER PURPOSES UNLESS SIGNED AND DATED BY
RONALD H. KOUDYS, OALA, CSLA, LANDSCAPE ARCHITECT,

LONDON, ONTARIO (519) 667-3322.

Ronald H. Koudys, O.A.L.A. C.S.L.A. DATE

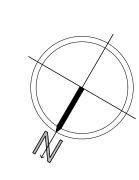
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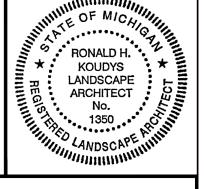
DESCRIPTION

PLOTTING INFORMATION:

PLOTTED DATE = JUNE 20, 2025

PLOTTED SCALE = 1:1





PROJECT TITLE:

DIVINE NINE PLAZA WAYNE STATE UNIVERSITY

DETROIT, MICHIGAN

LANDSCAPE PLAN

AG NOTED

RAWN:

CHECKED BY:

RHK.

ROJECT No.

24-199 Lf