#### **ANN ARBOR GALLERIA**

#### CITY OF ANN ARBOR REQUIRED SITE PLAN INFORMATION UDC Required Site Plan Information

A. Required Site Plan Information

1. Cover Sheet – The following general project information should be provided on the cover sheet of the plan set and

- all subsequent sheets as appropriate. a. Project name, address or location, and type of site plan.
- Ann Arbor Galleria 1208 South University, Ann Arbor, MI 48104; Site Plan for City Planning b. Petitioner and agent information, including name, address and contact information
- Petitioner: LCD Acquisitions, LLC, 315 Oconee St., Athens, GA, 230601. Tucker Snipes, Agent: Midwestern Consulting LLC, 3815 Plaza Drive, Ann Arbor, MI 48108; Ph. (734) 995-0200; Attn. Scott W. Betzoldt.
- c. Statement of interest in the land, including conditions for sale or purchases of parcels such as deed restrictions, reservation of land for other uses, or other conditions which may have bearing on the total land Development. The property is under sales contract. A letter of authorization to submit the Site Plan has been
- d. Vicinity map identifying the location of the Site within the City, including nearest major roads and significant features such as schools, shopping centers and parks. See Cover Sheet e. North indicator (pointing up or to the left) and drawing scale in bar graph form. Shown on all relevant
- f. Legal description of the Site, including total acreage of the parcel(s) and total acreage of public or private roads contained in the legal description. See Existing Conditions and Survey Plan. g. Sheet index and date of plan set. See Cover Sheet.
- **h.** Required Statements A brief written statement addressing the following concerns: i) Identification of associated applications such as annexation petition, rezoning petition, PUD Zoning District petition, Special Exception Use petition, planned project modification request, landscape
- modification request, or variance application. Identification of special circumstances associated with the application that require additional procedures or specific approvals such as Natural Features buffer area. The Site Plan application is under the D1 zoning and the project adheres to the D1 requirements.
- ii) Proposed development program, including proposed land use, improvements, Floor Area or number of Dwelling Units and bedrooms, access and circulation, off-street parking, preliminary construction phasing and estimated construction costs. The proposed development is located in the D1 zoning district. The site has frontage on South University Avenue. The project includes removal of a single story brick building and current use as retail/commercial/residential development
- Proposed Development Summary: One Building: a 17 story apartment building
- 186 dwelling units/716 bedrooms 324.590 sf of floor area
- Building height: 195 feet
- Storm water management: an underground tank is designed for full infiltration with an overflow discharge to City storm sewer in the City's private driveway south of the
- Resident parking is available on a limited basis as well as parking for commercial employees on the ground and second floors. Access is available from the ally on the south side of the building Storm water will be collected primarily through roof drains with limited surface collection.

The roof conductors and surface drains will be routed to a detention chamber located in

- under the building in the southern part of the site. Proposed Phasing and Probable Construction Cost: The development will be constructed in one phase, beginning on or before 6/1/2026, with completion on or before 8/1/2028. The estimated construction cost is \$68,000,000.
- iii) Community Analysis (a) Impact of proposed Development on public schools. The units are apartments ranging in size from 1 to 6 bedrooms. The units are designed as student and young professional oriented apartments. The number of children living in the building is expected to be minimal so there will be virtually no impact on public elementary and
- (b) Relationship of intended use to neighboring uses. The residential units will provide additional housing very close to the University of Michigan Central Campus. The residents are likely to patronize existing restaurants, proposed retail, and other
- businesses in the nearby buildings, and may attend local churches. (c) Impact of adjacent uses on proposed development. Residents will likely patronize the businesses and institutions in the surrounding area. (d) Impact of proposed Development on the air and water quality, and on existing Natural
- Features of the Site and neighboring Sites. There will be no significant impact on air and water quality is expected. There are no landmark tree onsite. (e) Impact of the proposed use on historic Sites or structures which are located within an
- historic district or listed on the National Register of Historic Places. The site is not within a historic district and the existing building is not a historic structure. (f) Natural Features General Descriptions and Impacts: A brief summary of the Natural Features (Woodlands, Wetlands, Water Courses, Landmark Trees, Steep Slopes and
- Endangered Species Habitat) found on the Site. A detailed report of the quality, character and health of all existing Natural Features, and identification of all proposed impacts to Endangered Species Habitat: N/A
- 100-Year Floodplain: none on the site. Landmark Trees: None
- Steep Slopes: none. Existing Watercourses: none
- Wetlands: none. Woodlands: none
- iv) Traffic Statement: The number of vehicle trips per unit per peak hour and supporting documentation from the ITE Manual. A Traffic Impact Assessment report has been submitted under separate cover.
- i. Comparison Chart of Requirements and Existing and Proposed Condition i) Zoning Classification. Existing-D1, Proposed-D1
- ii) Lot Area. 0.58 acres, 25,300 square feet. iii) Total area of all Floors (measured from exterior faces of the exterior walls or from the center line of
- walls separating two Buildings), Floor Area and Floor Area Ratio (FAR), or Density. 324,590 sf gross including residential, leasing and amenity area.

v) Public Sidewalk Maintenance Statement See Cover Sheet, General Notes number 1.

- iv) Open Space and Active Open Space. Not required v) Required Setbacks and Yards (front, side and rear).
- Front (South University): 0 feet(N). Side, Ex, Side-0' Rear, S-0' vi) Height and stories.
- 195.0 feet. 17 stories. vii) Off-street vehicle parking, including accessible and barrier free spaces. None Required: Parking provided in 2 floors, 77 space total incl. 4 barrier free.
- viii) Bicvcle parking, including class Class A: 110 spaces provided in bike room + 15 provided in units = 125 total
- Class C: 0 spaces provided Total Bicycle Parking: 125 spaces provided. ix) Notation of variances granted or proposed, planned project modifications approved or proposed.
- 2. Existing Conditions Plan- Drawings and written descriptions of the existing conditions of the Site must be included on the plans, including the following:
- a. ALTA Land Survey. See Existing Conditions and Survey Plan. i) Exception: Where there are no existing public utilities on the Site, the Planning Manager may waive the requirement to provide an ALTA Land Survey for Site Plans for Administrative Approval or when the combination of existing conditions and proposed Development are so minor that preparing an ALTA Land Survey would be a significant financial hardship to the Applicant. In those cases, an existing conditions plan illustrating the boundaries of the Site, location of all
- structures and improvements, and any easements, prepared by a professional land surveyor must b. Existing and proposed contours extending 50 feet beyond the Site at a minimum interval of two feet. See Existing Conditions and Survey Plan, and Grading Plan. c. If new City public sanitary sewer, water mains, Storm Water Management System. or streets are proposed
- in conjunction with a site plan, the plans must be referenced to the Ann Arbor Geodetic Reference System. The survey is referenced to the AAGRS (State Plane Coordinates, Michigan South Zone (2113). 3. Dimensional Layout Plan - Drawings and written descriptions of the proposed Development must be provided on the plans, demonstrating compliance with all applicable Development standards such as building area, height and
- placement, off-street parking, streets and access, including the following: See Dimensional Site Plan. a. Existing and proposed Lot lines. Shown. b. Minimum and maximum Required Setback Lines, including Established Front Building Line and required increases to the normal minimum side and rear setbacks, if applicable; existing and proposed Front, Side
- and Rear Yards. Shown. c. Existing and proposed Buildings. See Existing Conditions and Survey Plan for existing buildings. See
- Dimensional Site Plan for proposed building.
  d. Vehicle Parking Spaces, aisles and Driveways. Identify any "no parking" areas or fire lanes and indicate any proposed signage. See Architectural Plan. e. Bicycle parking, including detail of facilities. See Dimensional Site Plan and Architectural Plans, and
- f. Curb Cuts, drive Approaches and curb radii dimensions, including all Curb Cuts on the opposite side of the street from the Site. Dimension of all Fire Department access roads or lanes, if applicable, including width at hydrant, dead end lengths, turn-around location, turning radii, etc. See Dimensional Site Plan, Utility Plan and Fire Protection Plan.
- a. Open Space and Active Open Space. None required h. Natural features buffer. N/A.

Miscellaneous Notes and Details sheet.

- i. Conflicting land use buffer. N/A.
- j. Solid waste enclosure, including dimensioned detail. See Architectural Plans. k. Perspective sketch of building showing Streetwall Height and Offset, if applicable. See Architectural 4. Natural Features Plan - Drawings and written descriptions identifying all Natural Features on the Site, proposed

protection measures for avoiding disturbance to existing Natural Features, alternatives analysis, and proposed

mitigation for any disturbed or removed Natural Features to determine compliance with applicable Development

- standards must be included on the plan, including the following: See Natural Features Impact Statement on Existing Conditions and Survey Plan. a. Accurate location and description of all Natural Features within the Limits of Soil Disturbance and in an area extending 50 feet beyond the Limits of Soil Disturbance, including:
- i) Limits of Soil Disturbance. See Grading Plan. ii) Boundary and description of any Endangered Species Habitat. N/A
- iii) Boundary and elevation of any 100-year floodplain. N/A.
- iv) Location, species and Critical Root Zone and condition of Landmark Trees. N/A. v) Location of all Steep Slopes and a cross section through the Site showing the proposed activity in
- relationship to the topography. N/A. vi) Existing and proposed Watercourses showing depths, normal water levels, shore gradients, type of bank retention and shore vegetation. N/A. vii) Boundary and character of all Wetlands. N/A.
- b. Boundary and basal area of any Woodland, with location, species and DBH of all trees six inches DBH or c. Location and extent of required Natural Features buffer. Identification of any temporary or permanent activity (i.e. impacts or disturbance) within the Natural Features buffer N/A

- d. When any activity within the Natural Features buffer is proposed, a written justification responding to each general criteria for determining a proposed activity in the Natural Features buffer is in the public interest.
- e. Protection measures for those existing Natural Features proposed to be protected as part of the Development, including protections from the construction of the Development. N/A. f. Identification of all Natural Features proposed to be impacted, disturbed, or removed by the Development,
- including the construction of the Development. N/A g. Alternatives Analysis: When any Natural Features are proposed to be removed or disturbed. drawings and descriptions of at least two alternative plans that were prepared and considered but are not proposed which demonstrate and justify that the proposed Development limits the disturbance or removal of Natural
- h. Proposed mitigation measures: When any Natural Features are proposed to be removed or disturbed proposed mitigation measures must be provided including: N/A Written description of the mitigation program, identifying the type and appropriate quantity (i.e. basal area, square feet, caliper inches) of Natural Features removed or disturbed and the appropriate quantity of the
- k. Location of proposed mitigation plantings. N/A type and height. N/A
- n. Notation and description of any proposed alternative mitigation measures. N/A.
- demonstrating compliance with applicable Development standards such as interior landscaping of Vehicular Use
  - a. Location, size and species of existing trees and vegetation, and Natural Features. See Existing Conditions and Survey Plan. b. Location of light poles, refuse containers and enclosures, mechanical equipment and hydrants. See
  - Dimensional Site Plan, Landscape Plan, and Architectural Plans. c. Limits of Vehicular Use Area and notation of its size in square feet. None d. Proposed locations of required landscaping, screening and buffers, street trees and plantings. See Landscape Plan. No buffer or screening is required. Proposed street trees are shown on the plan.
- requirements. N/A except Street Trees
- and amount of mulch, ground cover and grasses. See Landscape Plan. g. Notation of requested modifications if any. N/A. h. Planting and staking details in accordance with the standards established by the PSA Administrator. See
- Miscellaneous Notes and Details sheet. i. Specification for treatment of compacted soil on the entire Site. See Sheet 5 Notes, number 9. j. Specification for planting media in landscape areas. See Sheet 5 Notes, number 12.
- I Landscape maintenance program including a statement that all diseased damaged or dead material shall obligation for the duration of the site plan. See Sheet Notes, number 2. m. Identification of snow storage areas, including a statement that snow shall not be pushed onto interior
- landscape islands unless designed for snow storage. N/A. n. Berms, retaining walls, screen walls, fences, tree wells to preserve existing trees, culverts to maintain natural drainage patterns, or any other construction details necessary to resolve specific Site conditions.
- 7. Utility Plan Drawings and written descriptions of the existing and proposed public utilities serving the Site must be provided on the plans, including the following: a. Location and size of existing and proposed public water, sanitary sewer and storm sewer mains and leads
- for clarity. See Existing Conditions and Survey Plan, Utility Plan, and Fire Protection Plan.
- easements will be provided with construction drawings and engineering plan submittals as required. N/A. e. Sanitary sewer flow mitigation calculations. See Utility Plan.
- proposed. There are no firewalls in the proposed building. The building is fully fire suppressed. be provided on the plans, including the following:
  - showing relationship to any Watercourse. See Vicinity Map on the Cover Sheet. There are no Watercourses within 500 feet of the Site. b. Soil investigation report, survey or profile of data regarding the nature, soil type, distribution, erodibility
- and supporting ability of existing soils or rock on the Site in accordance with the United States Department of Agriculture soil survey standards. Soils Report has been submitted separately. c. Existing and proposed topography at a maximum of two-foot contour intervals. elevations or similar slope
- d. Location of any existing Structure or Natural Feature on the Site and on land extending at least 50 feet beyond the Site boundary lines. See Existing Conditions and Survey Plan and Grading Plan. e. Location of proposed Structures or Development on the Site including physical limits of each proposed Earth Change and all proposed temporary and permanent soil Erosion and Sedimentation Contro Measures. See Existing Conditions and Survey Plan, Grading Plan and Soil Erosion Control Plan. f. Plans, section and construction -quality details of all soil Erosion and Sedimentation Control Measures,
- existing and proposed on-site drainage and dewatering facilities, retaining walls, cribbing, planting anti-Frosion devices or other protective devices to be constructed in connection with or as part of the proposed work. See Soil Erosion Control Plan details. Dewatering of the site is not required. q. Estimated total cost of the required controls during construction, including dust emission control. See Soi Erosion Control Plan, Soil Erosion Control Notes, number 11.
- h. Estimated total cost of protecting all exposed oil surfaces from Erosion should construction discontinue. See Soil Erosion Control Plan, Soil Erosion Control Notes, number 12.
- accommodate new improvements. Existing: 24,800 sf / 98.0%; proposed: 24,900 sf / 98.4%. If a Storm Water Management System is required, computations and design of the Storm Water Management System, such as: See Storm Water Management Calculations for the proposed detention chamber.
- served by any drain. See Stormwater Management Plan.
- See Basin Storm Water Calculations, W2-W13. iv) Calculations for the provided/proposed storage facility. See Basin Storm Water Calculations, **Detention Outlet Calculations.**
- Soil Erosion Control Plan, Storm Water Management System Permanent Maintenance Plan,
- provided if required.
  viii) If an alternative method of storm water detention is proposed, a written description of the
- alternative conforms to the Development standards of this Code. N/A. I. Timing and construction sequence of each proposed Earth Change, including: installation of temporary and permanent soil Erosion and Sedimentation Control Measures, striping and Clearing, rough Grading, installation and Stabilization of Storm Water Management Systems, construction of utilities, roads infrastructure, and Buildings, final Grading and landscaping, and removal of temporary soil Erosion and
- been provided. m. A program proposal for the continued maintenance of all permanent soil Erosion and Sedimentation located. See Soil Erosion Control Plan, Maintenance Program for Soil Erosion Controls.
- statement including: N/A. i) Consideration of alternative actions with evaluation of each, N/A.
- ii) Description of probable adverse environmental effects that cannot be avoided. N/A
- mitigation measures are to be developed for any environmentally detrimental aspect. N/A.
- the proposed activity complies with the review standards of this Code. N/A. 9. Massing and Architectural Plans - Drawings and written descriptions of the massing, architectural design and details, and façade materials of proposed Buildings must be provided on the plans, including: a. Dimensioned floor plans of each building Floor identifying areas excluded from Floor Area and excluded
- from FAR calculations. See Architectural Plans. b. Vertical sections through the Site showing existing and proposed elevations. See Architectural Plans. c. Dimensioned architectural design and details with labeled materials. See Architectural Plans.
- 10. Photometric Plan Drawings and written descriptions of proposed lighting demonstrating compliance with the applicable Development standards, including: Provided. a. Location, type and details of proposed lighting fixtures. Relocated/replaced streetscape lightpole
- locations are shown on the Dimensional Site Plan, Utility Plan and Landscape Plan.
- peak hour or 50 vehicle trips per peak hour, a traffic impact traffic impact analysis must be provided including the following: A Traffic Impact Assessment has been submitted under separate cover. Traffic from other new and proposed Developments in the area should be considered.
- the proposed Development, or those intersections that may be impacted by the proposed Development c. Projected peak our generation rate and peak hours of generation for the proposed Development. d. Projected peak hour traffic movements as a result of the establishment of the proposed facility.
- g. A sketch plan showing all existing Driveways to public streets within 200 feet of the proposed Development and all on-street parking or loading areas.

- Features on and adjacent to the Site to the minimum necessary to reasonably accomplish the permitted
- mitigation proposed. N/A i. Replacement calculations. N/A I. Chart listing the proposed mitigation plantings, including botanical and common names, caliper sizes. root
- m. Timing schedule for implementation of mitigation measures. N/A. 5. Natural Features Overlay Plan – A drawing including the dimensional layout and the existing Natural Features on
- 6. Landscape Plan Drawings and written descriptions of proposed landscaping, screening and buffers Areas, Right-of-Way screening, conflicting land use buffers, and Natural Features mitigation in order to determine compliance with applicable Development standards must be provided on the plans, including the following:
- e. Table identifying Vehicular Use Area, interior landscape islands, Right-of-Way screening, conflicting land use buffer, and street tree planting requirements and proposed plantings and areas to satisfy f. Proposed plant list, including caliper sizes, root type, height of material, botanical and common name, type
- k. Irrigation plan or water outlets (hose bibs). See Sheet 5 Notes, number 1. See also Architectural Plans.
- be replaced in accordance with this Code by the end of the following planting season as a continuing
- See Architectural Plans.
- Note invert elevations of storm and sanitary mains. See Existing Conditions and Survey Plan, and
- b. Location of existing and proposed fire hydrants. Indicate a 250-foot or 350-foot radius, as appropriate for the type of proposed Development, around each hydrant. Show and dimension hose lay to any external portion of a Structure via an approved fire route from any hydrant or combination of hydrants. Location of fire department connections (FDC) to Buildings. Dimension distance of the hose lay from the FDC to the nearest hydrant via an approved fire route (provide dimension following an actual hose laving route) Location of Knox Box, if applicable. Include a separate Fire Protection and Access Plan sheet if necessary
- c. Location of existing Public Utility easements, including liber and page number. N/A. d. Location and dimension of proposed Public Easements. Notation that legal descriptions of proposed f. Location and notation of firewalls within existing or proposed Buildings, or notation that none are existing or
- 8. Grading and Soil Erosion Control and Storm Water Management Plan Drawings and written descriptions demonstrating compliance with the applicable Development standards for Grading and soil Erosion controls mus
- a. Vicinity map showing location of Site and all adjacent properties within 500 feet of the Site boundaries
- descriptions, extending at least 50 feet beyond Site boundary. See Existing Conditions and Survey Plan
- i. Estimate of the quantity of excavation and Fill involved. See Soil Erosion Control Plan, Soil Erosion Control Notes, number 14. j. Amount of impervious area existing and proposed, and square footage of impervious area reconfigured to
- i) Calculations used to derive the run-off coefficients. See Basin Storm Water Calculations, W1. ii) Map showing the drainage area and land tributary to the Site and estimated runoff of the area
- iii) Required storage volume calculations, including first flush, bankfull, and 100-year storm events.
- v) Required and proposed release rate calculations. See Basin Storm Water Calculations, Detention Outlet Calculations. vi) A plan for the continued maintenance of the permanent Storm Water Management System. See
- vii) Any other pertinent calculations as determined necessary by the PSA Administrator. To be
- alternative method of storm water detention and a written explanation as to why the proposed
- Sedimentation Control Measures; identify all proposed phasing consistent with the approved site plan or final preliminary plat. See Soil Erosion Control Plan: Construction Sequence. (A Gannt chart has also Control Measures that remain after Project Completion, including: designation of the person or party responsible for the maintenance; maintenance responsibilities shall become part of any sales or exchange agreement for the land on which the permanent soil Erosion and Sedimentation Control Measures are
- n. Other information or data as may be required to demonstrate compliance, such as a soil Erosion control
- iii) Identification of any negative impact to Natural Features, including Woody Plants. N/A. iv) Analysis of primary and secondary consequences of short-term uses of the environment in relation to the maintenance and enhancement of long-term productivity. Remedial, protective and v) If determined necessary by the Code Official, a hydrological study may be required where the Clearing, Grading, or addition of Impervious Surface is proposed within a floodplain not regulated by the MDEQ or unmapped flood prone areas or any lake, pond, Watercourse, or Wetlands. The
- study shall follow the format used by the MDEQ for hydraulic reports and shall demonstrate that
- d. Perspective renderings of the proposed Development. See Architectural Plans.
- b. Photometric diagram showing predicted maintained lighting levels of the proposed lighting fixtures. 11. Traffic Impact Analysis – For proposed Developments that will generate more than three vehicle trips per unit per
- a. Existing traffic volumes passing on all streets abutting the proposed Development during the peak hour. b. Existing peak hour turning movements of vehicular traffic at all public street intersections within 200 feet of
- e. A capacity analysis for impacted intersections. f. A statement of the total impact the projected generation will have on the existing level of service as determined and certified by a registered engineer.
- the project may be considered temporary, with final pavement marking restoration to occur at the end of the project. 6. The contractor shall take all necessary precautions to protect the existing public road pavement. Damage to the public road pavement during the course of construction may necessitate milling and resurfacing of the damaged areas prior to issuance of the Certificate of Occupancy.

public services standard specifications and details.

repaired in accordance with City standards.

Standard Specifications and Details.

# ANN ARBOR - GALLERIA

# SITE PLAN FOR PLANNING COMMISSION CITY OF ANN ARBOR, MICHIGAN

## PROJECT NARRATIVE (CONT.)

- h. Proposed Site access Driveways with a determination if a deceleration lane or taper is necessary based on current City warrant analysis standards, a determination if a left-turn by-pass lane is necessary based on a
- warrant analysis, and a sight distance study at the Site access Driveway i. A pedestrian circulation plan showing all possible points of conflict between motorized traffic and pedestrian/bicycle traffic on public streets and sidewalks within 200 feet of the proposed Development, or
- those intersections that may be impacted by the proposed Development i. A gap study for pedestrian or vehicular traffic may be required at non-signalized locations that may be impacted by the proposed Development. The traffic and/or parking impact analysis shall be reviewed by the Department of Transportation for completeness and accuracy. The analysis shall include a determination of the service volume and capacity of adjacent streets including the traffic from the new development. The methodology to be employed in determining street capacities shall conform to the 1985 edition of the Highway Capacity Manual, Special Report Number 209, or the latest revision thereof. Proposals that will contribute traffic to streets or intersections that are or will be as a result of this proposal at a level of Service D. E. or F as defined in the Highway Capacity Manual may be denied by Commission

and Council until such time as necessary street or traffic improvements are scheduled for construction.

#### SUSTAINABILITY NARRATIVE

- As part of the project's sustainability goals, solar panels will be set above the rooftop mechanical on the uppermost roof to maximize their coverage area and provide optimal
- The combination of LEED Gold equivalent design and rooftop solar panels serve as the zoningrelated sustainability components applicable to housing developments. These integrations allow the project to secure a thirty percent (30%) height increase over the baseline height limit.
- The solar panels planned for the uppermost roof and above the 17th floor amenity space optimize sunlight exposure, limit the impact on views from neighboring buildings, and minimize shading onto adjacent properties.

#### POWER SUPPLY

The building will be all electric with a natural gas connection for the emergency generator only.

**DEVELOPMENT SUMMARY** 

D1 Existing/Required

No Minimum

COM/RES

CI A space / 2,500 sf resid.

A space / 10,000 sf non-resid

115 requried

Side- East, 0'

Side- West, 0'

Rear, City Driveway, 0'

South University

Min. 2 storeis. Max. 3 stories

5' Average

1. All sidewalks within the City shall be kept and maintained in good repair by the owner

2. All work within the City of Ann Arbor covered by these plans shall be performed in

3. The omission of any current standard detail does not relieve the contractor from this

4. Sidewalks constructed in the public right-of-way shall meet all requirements and

5. Payement markings disturbed due to payement cuts or construction related activities

ramp grades will be reviewed during construction plan submittals.

of the land adjacent to and abutting upon the same. Prior to the issuance of the final

Certificate of Occupancy for this site, all existing sidewalks in need of repair must be

complete conformance with the current City of Ann Arbor Public Services Department

requirement. The work shall be performed in complete conformance with the current

quidelines as set forth in the ADA standards for accessible design. Sidewalk and curb

shall be replaced as directed by Engineering. Replacement during construction of

0.58 ac / 25.300 sf

165.80 ft.

Apartments

24 900 sf

324,590 sf

1283%

195', refer to sheet SP-07

(4 BF) (8 EV-I + 69 EV-C)

Refer to SP-01 & SP-02

110 Cl A in bike room

15 Cl A in units

125 CL A Provided

South University

3 stories

See architectural plans

Min. 24', 2 stories, Max. 150' 150' + 30% bonus per 5.18.4

**DEVELOPMENT SUMMARY AND COMPARISON CHART** 

uilding Area

loor Area Ratio

Building Height:

Unit Types/No.s:

Vehicular Parking

Bicycle Parking:

reetwall Height

Max. Building Module Leng

Total Vehicular Parkin

or Area:

#### OWNER/APPLICANT

LMP GALLERIA PROPERTY OWNER, LLC 315 OCONEE STREET ATHENS, GA 30601 CONTACT: TUCKER SNIPES

## ENGINEER/SURVEY/LANDSCAPE ARCH.

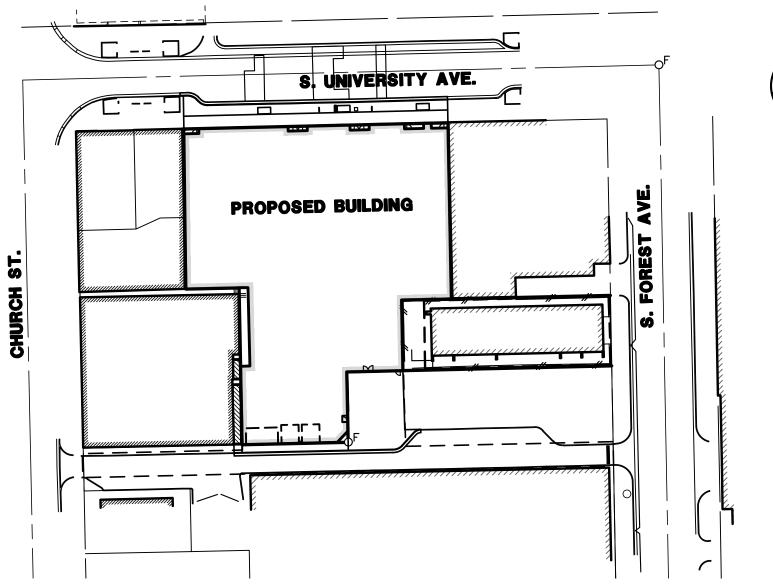
MIDWESTERN CONSULTING, LLC 3815 PLAZA DR. ANN ARBOR, MI 48108 CONTACT: SCOTT W. BETZOLDT

### ARCHITECT

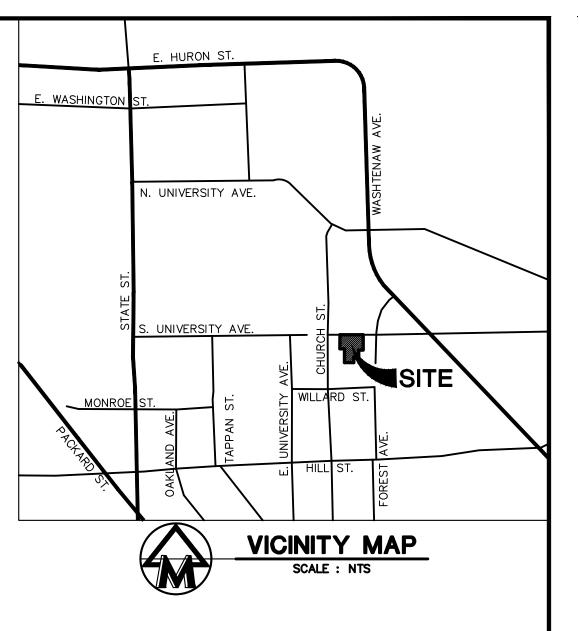
734-995-0200

706-537-4720

MYEFSKI ARCHITECTS 400 N. MICHIGAN AVE, STE 400 CHICAGO, IL 60611 CONTACT: JOSH DAWSON 906-273-2200



SITE MAP



## SHEET INDEX

# SHEET TITLE

01 COVER SHEET 02 EXISTING CONDITIONS AND ALTA SURVEY

08 FIRE PROTECTION AND SOLID WASTE PLAN

- 03 REMOVAL PLAN
- 04 DIMENSIONAL SITE AND LANDSCAPE PLAN 05 GRADING AND SOIL EROSION CONTROL PLAN

06 UTILITY PLAN

- 07 STORM WATER MANAGEMENT PLAN
- 09 MISCELLANEOUS DETAILS 10 MISCELLANEOUS DETAILS
- 11 DDA STANDARD DETAILS 12 DDA STANDARD DETAILS
- 13 SIDEWALK GRADING

LEGAL DESCRIPTION (Per Fidelity National Title Commitment No. 811196570NTS, Dated: January 6, 2023)

Land Situated in the State of Michigan, County of Washtenaw, City of Ann Arbor.

The North 120 feet of the West 1/2 of Lot 69 and the North 120 feet of the East 16 feet of Lot 68, R.S. Smith's Addition to the City of Ann Arbor, as recorded in Liber 42 of Deeds, Pages 446 and 447, Washtenaw County Records. also 50 feet in width off from the West side of Lot 68, except 33 feet x 32 feet in the Southwest corner thereof. Also the South 12 feet of the East 16 feet of Lot 68 and the South 12 feet of the West 1/2 of Lot 69, according to the recorded plat of R.S. Smith's Addition to the City of Ann Arbor. Also the East 1/2 of fractional Lot 3 and the West 1/2 of Fractional Lot 4 in Block 1

S. Smith's Second Addition to the City of Ann Arbor, as recorded in Liber 48 of Deeds, Page 40, Washtenaw County Records, together with a right of way as described in the Warranty Deed recorded in Liber 232 of Deeds, Page 351, and instrument recorded in Liber 650 of Deeds, Page 326, as amended in instrument recorded in Liber 1155 of Deeds, Page 212, Washtenaw County

Parcel 2: The East 33 feet of Lot 69, the West 2 feet of the South 22 feet of Lot 70, and the North 110 feet of the West 1/2 of Lot 70,

R.S. Smith's Addition to the City of Ann Arbor, as recorded in Liber 42 of Deeds, Pages 446 and 447, Washtenaw County Records, and the North 22 feet of the East 33 feet of Fractional Lot 4 and the West 2 feet of the North 22 feet of Fractional Lot 5, Block 1, R. S. Smith's Second Addition to the City of Ann Arbor, as recorded in Liber 48 of Deeds Page 40, Washtenaw County Records, together with those certain easement right created by Instrument recorded in Liber 1155 of Deeds, Page 212, Washtenaw County Records.

# **ANN ARBOR - GALLERIA**

23047 SHEET 01 OF 13 REVISIONS: CADD: KJV PER CITY REVIEW PER CITY REVIEW PER CITY REVIEW
PER CITY REVIEW 23047CV01



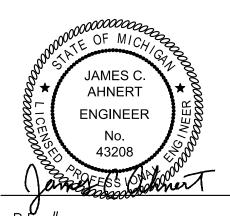
MIDWESTERN CONSULTING

3815 Plaza Drive Ann Arbor, Michigan 48108

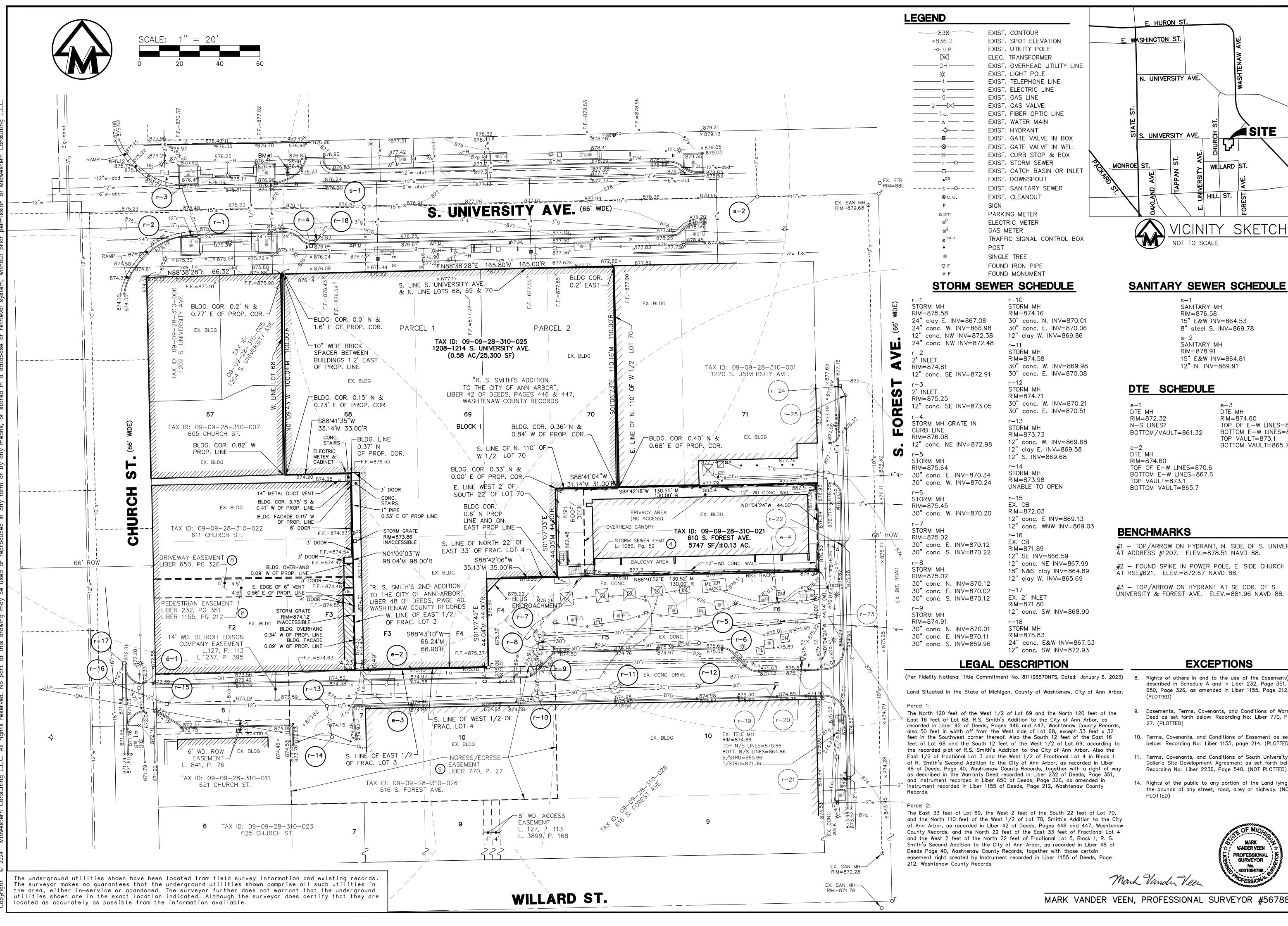
(734) 995-0200 • www.midwesternconsulting.com

DATE: 2/2/24

Land Development • Land Survey • Institutional • Municipal Wireless Communications • Transportation • Landfill Services RELEASED FOR: DATE



The underground utilities shown have been located from field survey information and existing records. The surveyor makes no quarantees that the underground utilities shown comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. Although the surveyor does certify that they are located as accurately as possible from the information available.



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15" E&W INV=864.53 8" steel S. INV=869.78 15" E&W INV=864.81

> TOP OF E-W LINES=869.6 BOTTOM E-W LINES=867.6 TOP VAULT=873.1 BOTTOM VAULT=865.7

- #1 TOP/ARROW ON HYDRANT, N. SIDE OF S. UNIVERSIT "AT ADDRÉSS #1207. ELEV.=878.51 NAVD 88.
- #2 FOUND SPIKE IN POWER POLE, E. SIDE CHURCH ST.,
- #3 TOP/ARROW ON HYDRANT AT SE COR. OF S. ÜNIVERSITÝ & FOREST AVE. ELEV.=881.96 NAVD 88.

#### **EXCEPTIONS**

- Rights of others in and to the use of the Easement(s) described in Schedule A and in Liber 232, Page 351, Liber 650, Page 326, as amended in Liber 1155, Page 212.
- Easements, Terms, Covenants, and Conditions of Warranty Deed as set forth below: Recording No: Liber 770, Page
- 10. Terms, Covenants, and Conditions of Easement as set forth below: Recording No: Liber 1155, page 214. (PLOTTED)
- Terms, Covenants, and Conditions of South University Galleria Site Development Agreement as set forth below: Recording No: Liber 2236, Page 540. (NOT PLOTTED)
- 14. Rights of the public to any portion of the Land lying within the bounds of any street, road, alley or highway. (NOT



MARK VANDER VEEN, PROFESSIONAL SURVEYOR #56788

#### **REMOVAL PLAN NOTES**

- 1. ASCE 38-02 quality level survey involves surveying visible above ground utility facilities such as manholes, valve boxes, posts, etc., and correlating this information with existing utility records. When using this information, it is not unusual to find that many underground utilities have been either omitted or erroneously
- 2. S. University Ave. is under the jurisdiction of the City of Ann Arbor. All work within the right-of-way is subject to a permit from the City. The parcel to the south, 616 S. Forest Ave. is a City owned parcel and an easement from the City is being
- 4. All franchise utilities are to be removed by or per the party
- having jurisdiction.
- 6. All site work is to comply with the City of Ann Arbor Standard Specifications available on line.
- Combined%20Standard%20Specifications.pdf
- footing drains may be taken as a credit against required sanitary sewer flow mitigation.

#### **BENCHMARKS**

#1 - TOP/ARROW ON HYDRANT, N. SIDE OF S. UNIVERSITY AT ADDRESS #1207. ELEV.=878.51 NAVD 88.

#2 - FOUND SPIKE IN POWER POLE, E. SIDE CHURCH ST., ÄT HSE#621. ELEV.=872.67 NAVD 88.

#3 - TOP/ARROW ON HYDRANT AT SE COR. OF S. ÜNIVERSITÝ & FOREST AVE. ELEV.=881.96 NAVD 88.

### **SOILS DESCRIPTION**

### **LEGEND**

838	EXIST. CONTOUR
×836.2	EXIST. SPOT ELEVATION
-o- U.P.	EXIST. UTILITY POLE
Ø 0.1 .	ELEC. TRANSFORMER
——— OH ———	EXIST. OVERHEAD UTILITY LINE
	EXIST. LIGHT POLE
~~~ t ———	EXIST. TELEPHONE LINE
e	EXIST. FLEETHONE LINE
g	EXIST. GAS LINE
g	EXIST. GAS LINE EXIST. GAS VALVE
f.o.	EXIST. GAS VALVE EXIST. FIBER OPTIC LINE
w	EXIST. WATER MAIN
	EXIST. HYDRANT
—————————————————————————————————————	EXIST. GATE VALVE IN BOX
— — — — — — — — — — — — — — — — — — —	
•	EXIST. GATE VALVE IN WELL
X	EXIST. CURB STOP & BOX
	EXIST. STORM SEWER
ds	EXIST. CATCH BASIN OR INLET
•	EXIST. DOWNSPOUT
SO	
<b>⊚</b> C.O.	EXIST. CLEANOUT
Þ	SIGN
<b>△</b> pm	PARKING METER
⊠ <sup>e</sup>	ELECTRIC METER
⊠ <sup>g</sup>	GAS METER
⊠ <sup>tscb</sup>	TRAFFIC SIGNAL CONTROL BOX
•	POST
•	SINGLE TREE
OF	FOUND IRON PIPE
<b>⊚</b> F	FOUND MONUMENT
K X X X X X X X	

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BO

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DATE: 2/2/24	SHEET 03 OF 13	CADD: KJV	ENG: JCA	PM: SWB	TECH:	/23047RM01	FB#
	L H C	3/25/24	5/23/24	6/27/24	7/30/24		

30 S

The underground utilities shown have been located from field survey information and existing records. The surveyor makes no quarantees that the underground utilities shown comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. Although the surveyor does certify that they are located as accurately as possible from the information available.

sought for access. 3. Existing on—site easements of record are indicated on the plans.

5. Three street trees are to be removed and replaced across frontage on South University Ave.

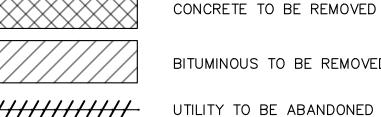
www.a2gov.org/departments/engineering/Documents/

7. All existing on—site improvements are to be removed unless otherwise noted.

8. During demolition of the existing structures, the contractor will be responsible for identifying any existing footing drains that are connected to the sanitary sewer. These are to be verified on site by the City prior to removal. If footing drains for the existing buildings are connected to the sanitary sewer system, disconnection will be required in accordance with current City specifications. To schedule inspection, call the City of Ann Arbor Engineering Unit at (734) 794—6410. Disconnection of existing

9. Any service lead that will not be reused shall be disconnected from their respective mains.

ш

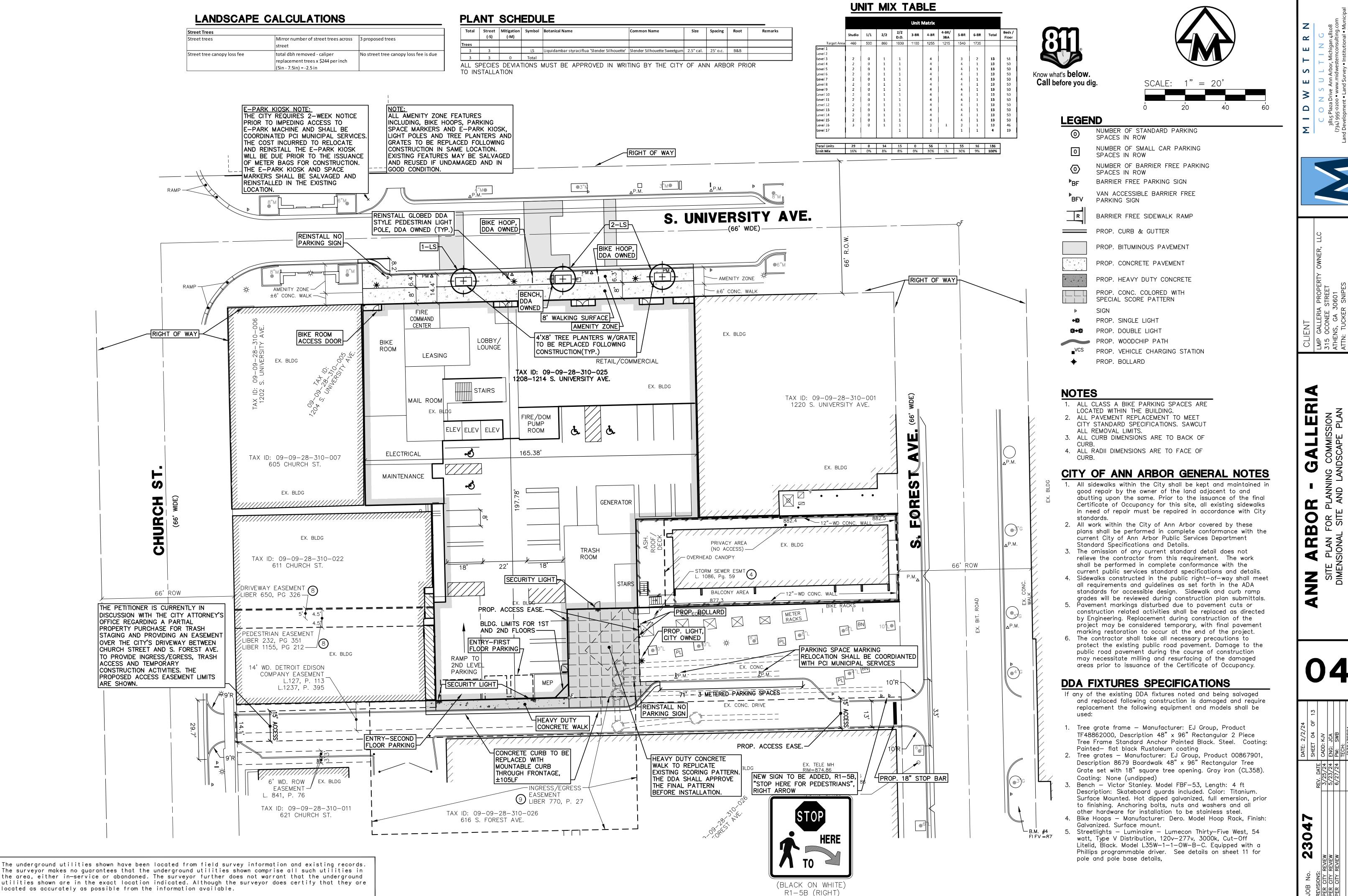


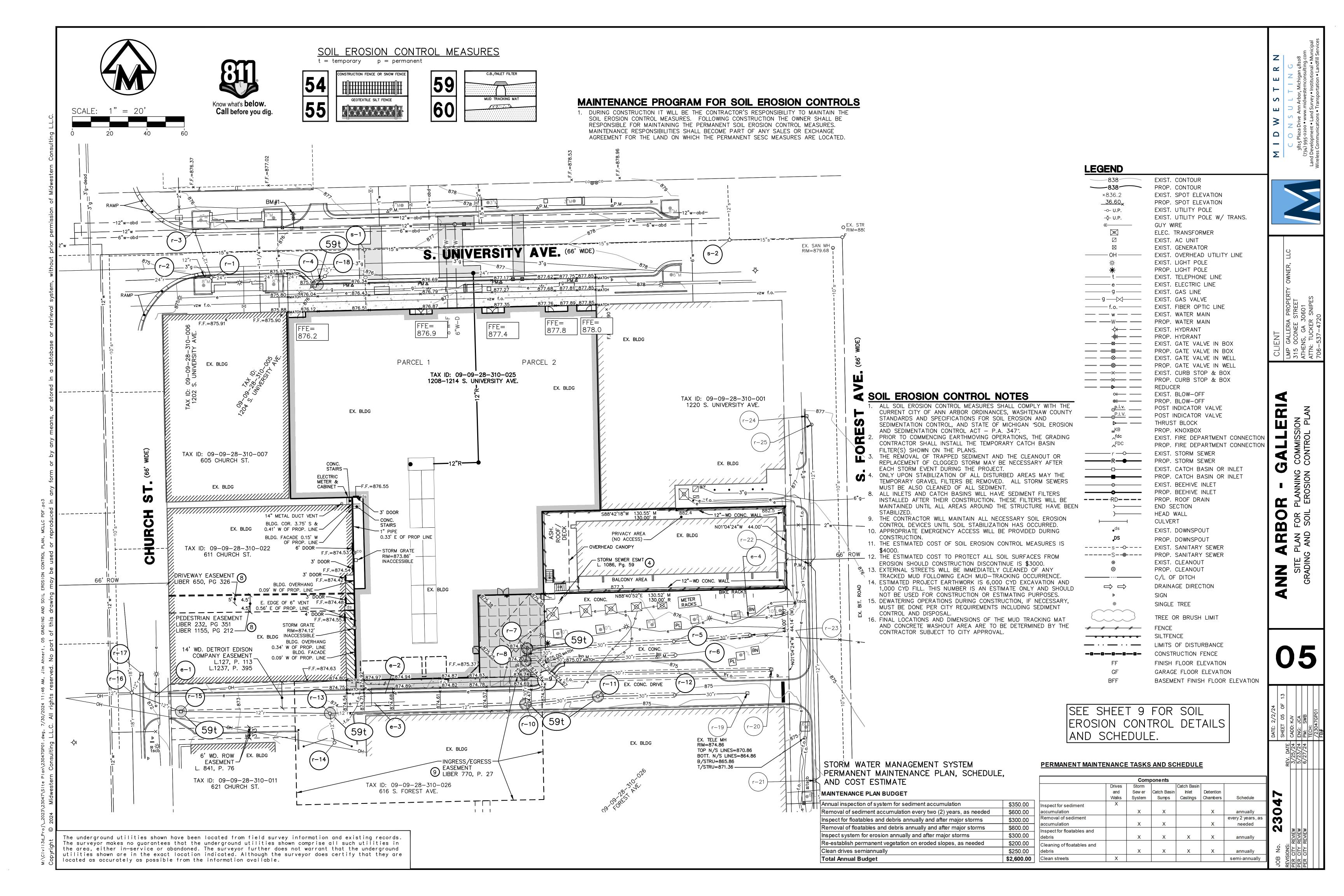
BITUMINOUS TO BE REMOVED

\*XXXXXXXXXXXXXXXXXXXX

CURB TO BE REMOVED TREE TO BE REMOVED ITEM TO BE RELOCATED

ITEM TO BE REMOVED





.\_\_\_\_\_

- - - - - - - - - - - + | - - !

· \_ \_ \_ \_ - <del>|</del> |

66' ROW

O

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PROPOSED FDC LOCATION

TAX ID: 09-09-28-310-007 605 CHURCH ST.

EX. BLDG

TAX ID: 09-09-28-310-022

611 CHURCH ST.

DRIVEWAY EASEMENT 8 LIBER 650, PG 326

PEDESTRIAN EASEMENT

LIBER 232, PG 351

/LIBER 1155, PG 212—8

14' WD. DETROIT EDISON COMPANY EASEMENT

6' WD. ROW

EASEMENT-

TAX ID: 09-09-28-310-011

621 CHURCH ST.

L. 841, P. 76

L.127, P. 113 L.1237, P. 395

EX. BLDG

EX. BLDG

**City of Ann Arbor Lighting Notes:** 

1. All lights to comply with City of Ann Arbor – Unified Development Code Section

5.25 for Outdoor Lighting

PROPOSED FIRE SERVICE LEAD

PROPOSED OUTLET |CONTROL STRUCTURE |-

EX. BLDG

ADJUST EXISTING CASTING ELEVATIONS

-INGRESS/EGRESS

1 1 1

9 EASEMENT UIBER 770, P. 27

TAX ID: 09-09-28-310-026

616 S. FOREST AVE.

PROPOSED SANITARY

EX. BLDG

SEWER LEAD

2. The light fixtures specified are 70cri and 3000k for all fixtures

3. All lighting to be downward directed or adequately shielded to prevent off site

CONSTRUCT NEW MANHOLE FOR STORM SEWER

EX. BLDG

CONNECTION

PROPOSED DOMESTIC SERVICE LEAD

PROPOSED UNDERGROUND

DETENTION CHAMBERS

TAX ID: 09-09-28-310-025 1208-1214 S. UNIVERSITY AVE.

EX. BLDG

PRIVACY AREA

(NO ACCESS) -

- STORM SEWER ESMT 4

-EXIST. UNDERGROUND DETENTION SYSTEM

EX. BLDG

EX. TELE MH

B/STRU=865.86

T/STRU=871.36 —

TOP N/S LINES=870.86

BOTT. N/S LINES=864.86

RIM=874.86

./ 1086, Pg. 59

-PROPOSED FDC LOCATION

TAX ID: 09-09-28-310-001

1220 S. UNIVERSITY AVE.

EX. BLDG

# **UTILITY PLAN NOTES**

1. DOMESTIC WATER AND FIRE SUPPRESSION WATER SERVICES ARE TO TAP INTO THE EXISTING 12" WATER MAIN IN S. UNIVERSITY AVENUE IT IS ANTICIPATED BOOSTER PUMPS WILL BE REQUIRED FOR THE PROJECT. FINAL DETERMINATION WILL OCCUR DURING THE DETAILED DESIGN PHASE.

2.THE SANITARY SEWER LEAD WILL TAP INTO THE EXISTING SANITARY MAIN IN S. UNIVERSITY AVENUE. THE EXISTING SANITARY SEWER

LEADS WILL BE ABANDONED. 3.IT IS UNKNOWN IF FOOTING DRAINS FOR THE EXISTING BUILDINGS ARE CONNECTED TO THE SANITARY SEWER SYSTEM, DISCONNECTION WILL BE REQUIRED IN ACCORDANCE WITH CURRENT CITY SPECIFICATIONS. THE CONTACT PERSON TO SCHEDULE INSPECTION OF FOOTING DRAIN CONNECTIONS, IF ANY, IS AMY PONSOCK WHO CAN BE REACHED AT 734-794-6410, EXTENSION 43622.

4. THE PROPOSED STORM DETENTION TANKS DRAIN PRIMARILY BY INFILTRATION WITH AN EMERGENCY OVERFLOW PIPE CONNECTION TO CONTINUE TO THE PUBLIC STORM SEWER.

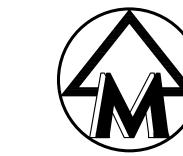
5.NO FIREWALLS ARE PROPOSED WITHIN THE BUILDING. 6.POOL BACKWASH WATER IS TO BE DE-CHLORINATED AND ROUTED TO THE STORM DETENTION CHAMBER.

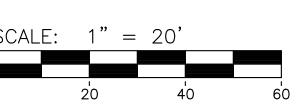
7.THE PROPOSED BUILDING'S SUMP PUMP WILL DISCHARGE TO THE STORM WATER MANAGEMENT SYSTEM.

EX. SAN MH φ RIM=879.68

O EX. STRM MH RIM=880.08

66' ROW





#### **LEGEND**

| -o- U.P.                               | EXIST. UTILITY POLE               |
|----------------------------------------|-----------------------------------|
| - <b>%</b> − U.P.                      | EXIST. UTILITY POLE W/ TRANS.     |
|                                        | ·                                 |
| o– GP                                  | EXIST. GUY POLE                   |
| <b>€</b>                               | GUY WIRE                          |
| $\bowtie$                              | ELEC. TRANSFORMER                 |
|                                        | EXIST. AC UNIT                    |
| $\boxtimes$                            | EXIST. GENERATOR                  |
| ——— OH ———                             | EXIST. OVERHEAD UTILITY LINE      |
|                                        | EXIST. LIGHT POLE                 |
| <b>*</b>                               |                                   |
| *                                      | PROP. LIGHT POLE                  |
| **                                     | PROP. BUILDING LIGHT              |
| t                                      | EXIST. TELEPHONE LINE             |
| ——                                     | PROP. TELEPHONE LINE              |
| e                                      | EXIST. ELECTRIC LINE              |
| ———E———                                | PROP. ELECTRIC LINE               |
| g                                      | EXIST. GAS LINE                   |
| G                                      |                                   |
| —— g ——⋉——                             |                                   |
| f.o.                                   |                                   |
|                                        |                                   |
| ——F.O.——                               |                                   |
| w                                      |                                   |
|                                        | PROP. WATER MAIN                  |
| - <b>↓</b>                             | EXIST. HYDRANT                    |
| <b>+</b>                               | PROP. HYDRANT                     |
| —————————————————————————————————————— | EXIST. GATE VALVE IN BOX          |
| <del></del>                            | PROP. GATE VALVE IN BOX           |
| <b> ⊗</b>                              | EXIST. GATE VALVE IN WELL         |
| <del></del>                            | PROP. GATE VALVE IN WELL          |
| ×                                      | EXIST. CURB STOP & BOX            |
| <del></del>                            | PROP. CURB STOP & BOX             |
| <b>√</b> fdc                           | EXIST. FIRE DEPARTMENT CONNECTION |
| FDC                                    | PROP. FIRE DEPARTMENT CONNECTION  |
| <b>_</b> KB                            | PROP. KNOXBOX                     |
| r                                      | EXIST. STORM SEWER                |
| ——R——                                  | PROP. STORM SEWER                 |
|                                        |                                   |
|                                        | EXIST. CATCH BASIN OR INLET       |
|                                        | PROP. CATCH BASIN OR INLET        |
| <del></del>                            | EXIST. BEEHIVE INLET              |
| <del></del>                            | PROP. BEEHIVE INLET               |
|                                        | PROP. ROOF DRAIN                  |
| •ds                                    | EXIST. DOWNSPOUT                  |
| ,DS                                    | PROP. DOWNSPOUT                   |
| so                                     | EXIST. SANITARY SEWER             |
| S- <del>-</del>                        | PROP. SANITARY SEWER              |
| ©                                      | EXIST. CLEANOUT                   |
| <b>ö</b>                               | PROP. CLEANOUT                    |
| ₩                                      | WATER METER                       |
| <b>≥</b><br>⊠9                         | GAS METER                         |
| ⊠ped                                   | PEDESTRIAN CROSSING SIGNAL        |
| _                                      |                                   |
| ⊠tscb                                  | TRAFFIC SIGNAL CONTROL BOX        |

## Note: There will be no backwash discharge from the pool to the sanitary sewer system.

### **Existing Flow**

| 12 Apartments (between 600 & 1200 sf) | at 250 gpd/ unit =    | 3000 gpd  |
|---------------------------------------|-----------------------|-----------|
| 126 seats @ Coffe Shop                | 20 gpd / seat =       | 2520 gpd  |
| 87 seats @ Restaurant                 | 30 gpd / seat =       | 2610 gpd  |
| 1267 sf @ Retail Store                | 0.03 gpd / sf =       | 38.01 gpd |
| 40937 sf @ Non-medical office         | 0.06 gpd / sf =       | 2456 gpd  |
|                                       | Total Existing Flow = | 10624 gpd |

#### Based on the City of Ann Arbor's sanitary sewer flow evaluation Table 'A', the design dry weather flow rate will be:

| 29   | Apartments (Up to 600 Square Fee | et) @ 175   | gpd =           | 5075 gpd  |
|------|----------------------------------|-------------|-----------------|-----------|
| 29   | Apartments (601-1200 Square Fee  | t) @ 250    | gpd =           | 7250 gpd  |
| 57   | Apartments (1200+ Square Feet) @ | 300         | gpd =           | 17100 gpd |
| 55   | - 5 Bedroom Apt.@ 75 gpd/persor  | n 375       | gpd =           | 20625 gpd |
| 16   | - 6 Bedroom Apt.@ 75 gpd/persor  | 1 450       | gpd =           | 7200 gpd  |
| 4598 | sf - Commercial/Restaurant with  | 60%         | used as seating |           |
|      | 2758.8 sf with 20 sf al          | located per | seat =          |           |
|      | 138 seats with                   | 20          | gpd per seat    | 2760 gpd  |
| 2345 | sf- TV/gathering room            | 0.06        | gpd/sf/d =      | 141 gpd   |
| 2900 | sf- Lobby/Office @               | 0.06        | gpd/sf/d =      | 174 gpd   |
| 77   | parking spaces @ 27 gpd          | per space = | =               | 2079 gpd  |
| 640  | sf @ bather load of 1 person per | 50          | sf/person       |           |
|      | 13 person @                      | 20          | gpd/person=     | 260 gpd   |
|      |                                  |             |                 |           |

# SANITARY SEWER FLOW MITIGATION CALCULATIONS

|   | 12 Apartments (between 600 & 1200 sf) at | 250 gpd/ unit =  | 3000 gpc  |
|---|------------------------------------------|------------------|-----------|
|   | 126 seats @ Coffe Shop                   | 20 gpd / seat =  | 2520 gpc  |
|   | 87 seats @ Restaurant                    | 30 gpd / seat =  | 2610 gpc  |
|   | 1267 sf @ Retail Store                   | 0.03 gpd / sf =  | 38.01 gpc |
| 4 | 10937 sf @ Non-medical office            | 0.06  gpd / sf = | 2456 gpc  |
|   |                                          |                  |           |

| 29 Apartments (Up to 600 Square Feet | ) @ 175 ap    | d =           | 5075 gpc  |
|--------------------------------------|---------------|---------------|-----------|
| 29 Apartments (601-1200 Square Feet) |               | d =           | 7250 gpc  |
| 57 Apartments (1200+ Square Feet) @  | 300 gp        | d =           | 17100 gpc |
| 55 - 5 Bedroom Apt.@ 75 gpd/person   | 375 gp        | d =           | 20625 gpc |
| 16 - 6 Bedroom Apt.@ 75 gpd/person   | 450 gp        | d =           | 7200 gpc  |
| 4598 sf - Commercial/Restaurant with | 60% us        | ed as seating |           |
| 2758.8 sf with 20 sf allo            | cated per sea | at =          |           |
| 138 seats with                       | 20 gp         | d per seat    | 2760 gpc  |
| 2345 sf- TV/gathering room           | 0.06 gp       | d/sf/d =      | 141 gpc   |
| 2900 sf- Lobby/Office @              | 0.06 gp       | d/sf/d =      | 174 gpc   |
| 77 parking spaces @ 27 gpd p         | er space =    |               | 2079 gpc  |
| 640 sf @ bather load of 1 person per | 50            | sf/person     |           |
| 13 person @                          | 20 gp         | d/person=     | 260 gpc   |

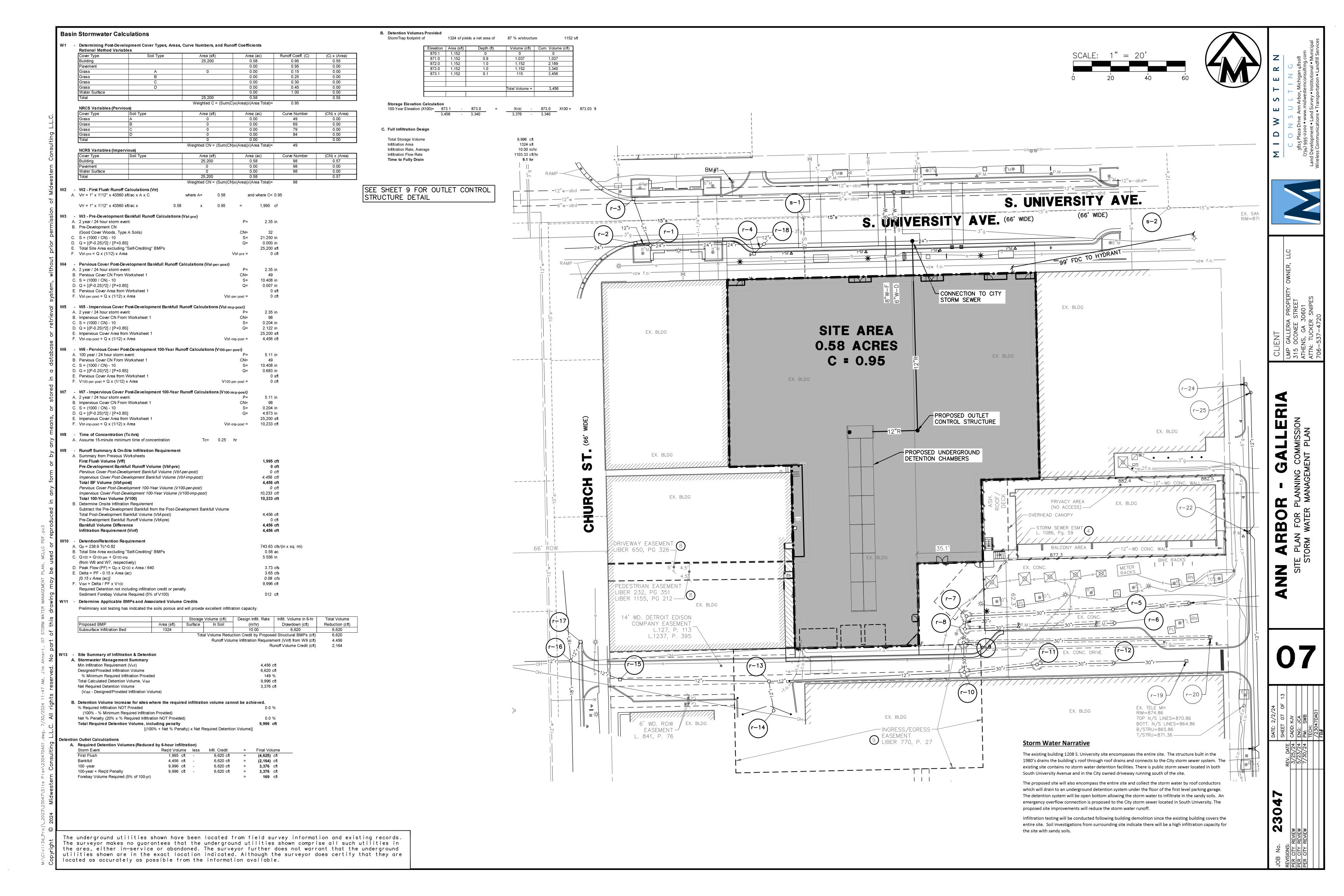
| Midination Flour                            |           | Total                                     | 62664 gpd             |
|---------------------------------------------|-----------|-------------------------------------------|-----------------------|
| Mitigation Flow  Net change in flow, design | gn flow - | existing flow =                           | 52039 gpd             |
| Mitigation Peak Flow =                      | 52039     | gpd x 4(peaking factor) x 1.1(recovery) = | 228974 gpd<br>159 gpm |

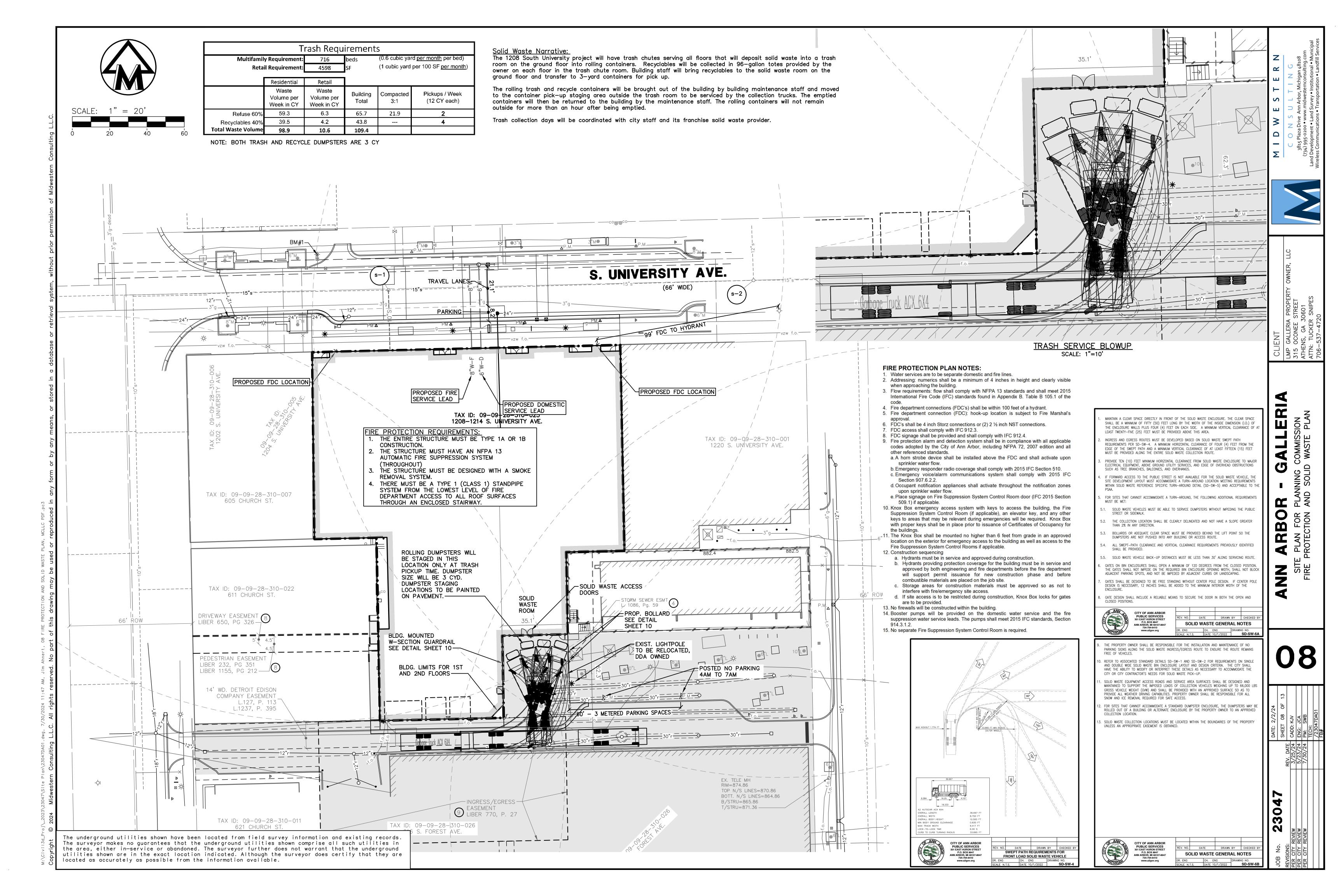
The underground utilities shown have been located from field survey information and existing records. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. Although the surveyor does certify that they are located as accurately as possible from the information available.

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BASINS OR STORM INLETS. INLET FILTER TO BE SIMILAR TO "STREAMGUARD" AS MANUFACTURED BY STORMWATER SERVICES CORPORATION (206-767-0441) OR "SILTSACK" AS MANUFACTURED BY ATLANTIC CONSTRUCTION FABRICS, INC.; (800-448-3636). CLEAN FILTER AS NEEDED.

DUMP STRAPS -EXPANSION RESTRAINT (1/4" NYLON ROPE. 2" FLAT WASHERS) —— **INSTALLATION DETAIL** BAG DETAIL DUMP STRAP 1" REBAR FOR BAG - DUMP STRAP REMOVAL FROM INLET-

SILT SACK DETAIL

NO SCALE

PINCH POINT TO-

DO NOT MIX EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.

AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.

SECURE LINER TO WASHOUT

SILTSACK-

CONCRETE

WASHOUT

OTHER LIQUID WASTE

DISPOSED OF PROPERLY.

NOTE:
TEMPORARY INLET SEDIMENT FILTER TO BE INSTALLED ON ALL PAVED CATCH.

WIDTH=W

1. THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON THIS PROJECT.

SIGNS SHALL BE PLACED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT.

4. WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE

8. LOCATE WASHOUT AREA AT LEAST 50' (15 METERS) FROM STORM DRAINS, OPEN DITCHES, OR WATERBODIES.

WASH OUT WASTES INTO THE OUTPACK WASHOUT AS SHOWN WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN

DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.

OR APPROVED EQUAL

**CONCRETE WASHOUT SYSTEM** 

 Plant trees and landscape items Follow-Up After the Site is Stabilized: 5/7/2027 (1 week) Remove construction fence and install new fencing Remove catch basin silt sacks

 Remove sediment from detention chambers and storm sewer system Clean up debris Finalize Building Construction: 5/14/2027 (1 week)

**Estimated Construction Sequence** 

4/1/2025 thru 7/31/2026

Demolish site amenities; including interior site curb and gutter and

A wet or dry standpipe shall be installed per 3311.1 of the Michigan

Building Code. The standpipe can be permanent or temporary with a

• Maintain existing controls; install permanent controls within five (5) days

• Driveway curb and first course asphalt to be installed prior to issuance of

Maintain existing controls; install permanent controls within five (5) days

Fine Grade the Site, install Sidewalk, Curb and Gutter, Final Street Paving and

Complete roof and plumb roof drains to detention chambers

Install Sidewalk, Curb and Gutter and Final Street Paving

permanent or temporary FDC provided. Connections for hose operations

Identify construction limits and define site access

Utility Installation and Site Demolition: 5/26/2025 (4 weeks)

Demolish buildings and associated utilities

Install all soil erosion control measures

Install water main and water main leads

Install storm sewer leads from ROW onto site

Install construction fencing as required to secure site

Inventory Site: 4/1/2025 (2 weeks)

Install silt fence

SESC pre-grading meeting

pavement as required

Install sanitary sewer lead

shall be 2 1/2" NST.

Mass Excavation: 7/23/2025 (4 weeks)

• Excavate for foundation/basement

Foundation Construction: 8/21/2025 (8 weeks)

Pour footings and foundation walls

Building Construction: 10/16/2025 (60 weeks)

Construct building above grade

Install underground detention chambers

after final grading or final grade change

after final grading or final grade change

continue Building Construction: 12/12/2026 (8 weeks)

Install site storm sewer and inlets, sack all active inlets

Maintain existing controls

vertical building permit

Maintain existing controls

---- 4 MIL POLY LINER

TREATED WATER RESISTANT

D SECURE WASHOUT

Building Demolition: 4/15/2025 (6 weeks)

 Maintain permanent soil erosion control measures Remove construction fencing Prior to the first Certificate of Occupancy, all Life Safety Systems shall be

completed, tested and approved. A "Knox Box" emergency responder access system shall be installed prior to the first Certificate of Occupancy. Forms for the Knox Box are available thru Fire Prevention

• Provide as-built certification of the storm water detention system.

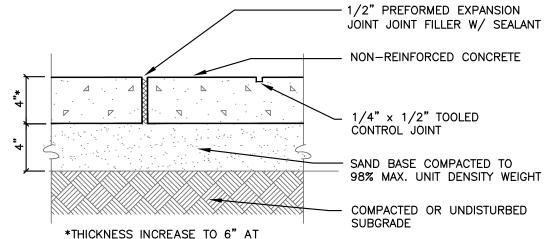
STORM WATER MANAGEMENT SYSTEM PERMANENT MAINTENANCE PLAN, SCHEDULE, AND COST ESTIMATE

MAINTENANCE PLAN BUDGET

| MAINTENANCE PLAN BUDGET                                          |            |
|------------------------------------------------------------------|------------|
| Annual inspection of system for sediment accumulation            | \$350.00   |
| Removal of sediment accumulation every two (2) years, as needed  | \$600.00   |
| nspect for floatables and debris annually and after major storms | \$300.00   |
| Removal of floatables and debris annually and after major storms | \$600.00   |
| nspect system for erosion annually and after major storms        | \$300.00   |
| Re-establish permanent vegetation on eroded slopes, as needed    | \$200.00   |
| Clean drives semiannually                                        | \$250.00   |
| Total Annual Budget                                              | \$2,600.00 |

#### PERMANENT MAINTENANCE TASKS AND SCHEDULE

| Components                 |        |        |             |             |           |                   |  |  |  |  |  |  |
|----------------------------|--------|--------|-------------|-------------|-----------|-------------------|--|--|--|--|--|--|
|                            | Drives | Storm  |             | Catch Basin |           |                   |  |  |  |  |  |  |
|                            | and    | Sew er | Catch Basin | Inlet       | Detention |                   |  |  |  |  |  |  |
|                            | Walks  | System | Sumps       | Castings    | Chambers  | Schedule          |  |  |  |  |  |  |
| Inspect for sediment       | X      |        |             |             |           |                   |  |  |  |  |  |  |
| accumulation               |        | X      | X           |             | X         | annually          |  |  |  |  |  |  |
| Removal of sediment        |        |        |             |             |           | every 2 years, as |  |  |  |  |  |  |
| accumulation               |        | X      | X           |             | X         | needed            |  |  |  |  |  |  |
| Inspect for floatables and |        |        |             |             |           |                   |  |  |  |  |  |  |
| debris                     |        | X      | X           | Χ           | Χ         | annually          |  |  |  |  |  |  |
| Cleaning of floatables and |        |        |             |             |           |                   |  |  |  |  |  |  |
| debris                     |        | X      | X           | X           | X         | annually          |  |  |  |  |  |  |
| Clean streets              | Х      |        |             |             |           | semi-annually     |  |  |  |  |  |  |



CONCRETE WALK DETAIL

PAVEMENT

3" NON-REINFORCED CONCRETE

B" MDOT 21AA LIMESTONE BASE

(C.I.P) COMPACTED TO 95%

MAXIMUM DENSITY.

DRIVE CROSSINGS

PROP. HEAVY DUTY CONCRETE DETAIL

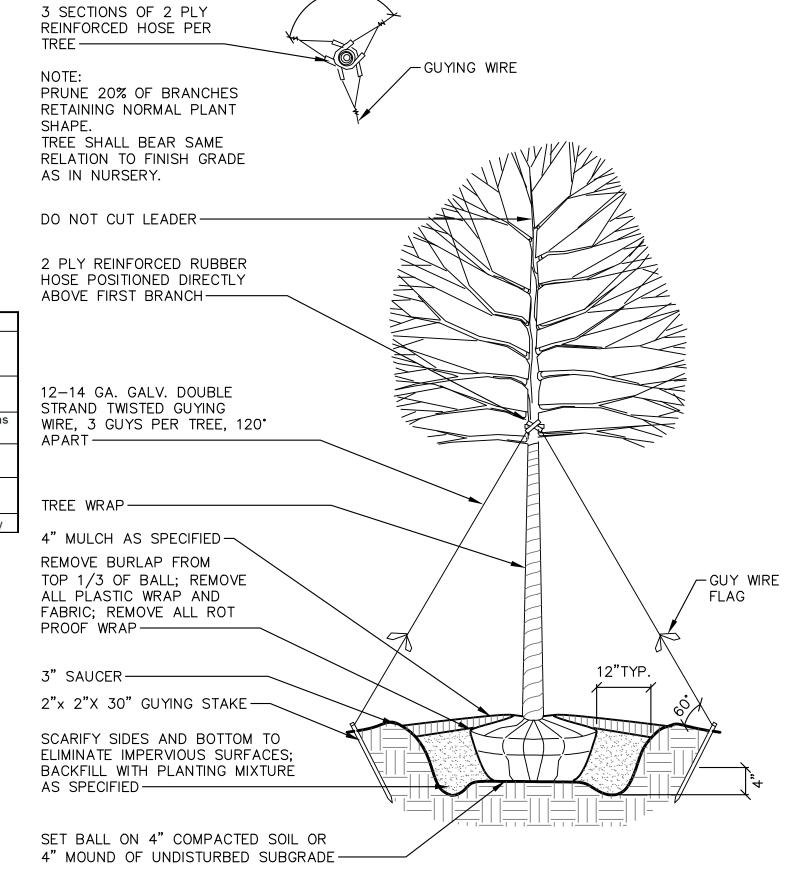
NOTE: ALL CONCRETE PAVEMENT TO

A TRANSPARENT CURING COMPOUND

APPLIED AT A RATE OF 1 gal. per

200 sq. ft..

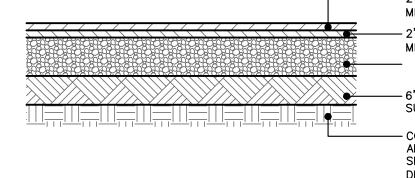
BE SEALED WITH ONE APPLICATION OF



## **DECIDUOUS TREE - PLANTING DETAIL**

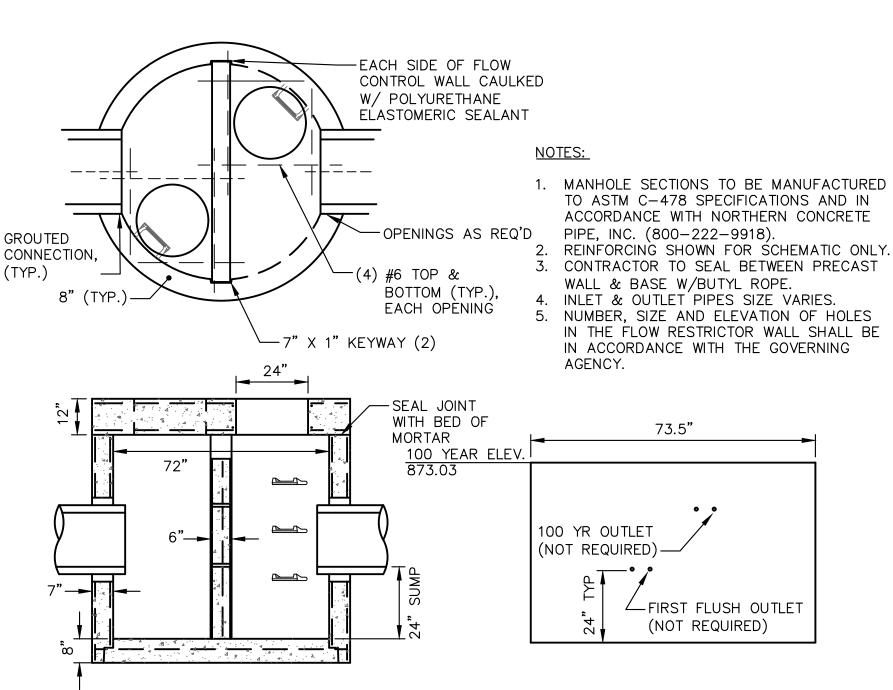
· 2" MDOT WEARING COURSE HMA MIXTURE #13A 2" MDOT LEVELING COURSE HMA MIXIURE #13A 8" MDOT 21AA CRUSHED LIMESTONE COMPACTED TO 95% MAX. DENSITY. PLACE IN TWO LIFTS. -6" CITY OF ANN ARBOR CLASS II GRANULAR SUBBASE COMPACTED TO 95% MAX. DENSITY

ONSITE BITUMINUOUS PAVEMENT SECTION BITUMINOUS REPAIR IN THE ROW SHALL MATCH EXIST. SECTION NOT TO SCALE



COMPACTED SUBGRADE SUITABLE MATERIAL APPROVED BY FIELD ENGINEER. MATERIAL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY IN 6" LIFTS.

OPERATION TIME SCHEDULE BEGINNING APRIL 2025 CONSTRUCTION SEQUENCE 2025 APRIL MAY JUNE JULY AUG. SEP. OCT. NOV. MARCH APRIL MAY JUNE JULY SESC PRE-GRADING MEETING INSTALL AND MAINTAIN SOIL EROSION CONTROL MEASURES AS REQUIRED BUILDING DEMOLITION UTILITY INSTALLATION AND SITE DEMOLITION MASS EXCAVATION FOUNDATION CONSTRUCTION BUILDING CONSTRUCTION FINAL GRADE SITE PLACE MULCH AND SEEDING FINAL CLEAN-UP & REMOVAL OF SOIL EROSION CONTROLS



PRECAST OUTLET CONTROL STRUCTURE OVERFLOW NOT TO SCALE

LANDSCAPE NOTES

1. For any plant quantity discrepancies between the plan view and the plant schedules, the plant schedule shall take

2. Plant materials shall be selected and installed in accordance with standards established by the City of Ann Arbor.

3. In-ground automatic irrigation shall be provided for all landscaped planting or water outlets shall be provided within 150 feet of all required plantings.

4. All diseased, damaged or dead material shown on the site plan as proposed plantings shall be replaced by the end of the

following growing season.

5. Restore disturbed areas with a minimum of four (4) inches of topsoil and then seed/ fertilize/mulch.

6. All disturbed areas not to be seeded with seed mixes identified on the Landscape Plan shall be lawn areas. Fertilizer for the initial installation of lawns shall provide not less than one (1) pound of actual nitrogen per 1,000 sq ft of lawn area and shall

Lawn (turfgrass) seed mix shall consist of: 15% Rugby Kentucky Bluegrass

> 10% Park Kentucky Bluegrass 40% Ruby Creeping Red Fescue

15% Pennifine Perennial Ryegrass

20% Scaldis Hard Fescue Seed shall be applied at a rate of five pounds (5 lbs) per 1000 sq ft. Mulch within 24 hours with two (2) tons of straw per acre,

contain not less than two percent (2%) potassium and four percent (4%) phosphoric acid.

or 71 bales of excelsior mulch per acre. Anchor straw mulch with spray coating of adhesive material applied at the rate of 150

7. After the first growing season, only fertilizers that contain NO phosphorus shall be used on the site. 8. All seeded areas with slopes less than 1:3 (one vertical foot for every 3 horizontal feet) shall be mulched with straw mulch at

the rate of two (2) bales per 1,000 square feet. All seeded areas with slopes greater than 1:3 shall be seeded and biodegradable erosion control blanket North American Green SC150, or equivalent, shall be applied with biodegradable

9. Deciduous plants shall be planted between March 1 and May 15 and from October 1 until the prepared soil becomes frozen.

Evergreen plants shall be planted between March 1 and June 1 and from August 15 to September 15. 10. All planting beds are to receive four (4) inches of shredded hardwood bark mulch.

11. All trees to be located a minimum of 10 feet from public utilities.

12. All single trunk, deciduous trees shall have a straight and a symmetrical crown with a central leader. One sided trees or those

with thin or open crowns shall not be accepted. 13. All evergreen trees shall be branched fully to the ground, symmetrical in shape and have not been sheared in the last three (3)

14. All compacted subgrade soils in proposed landscape areas shall be tilled to a minimum 12-inch depth prior to placement of

topsoil, geotextile fabric, or other planting media as specified.

— GUY WIRE 15. Proposed trees will be planted a minimum of 15 feet apart.

16. Planting Soil: Existing, in-place or stockpiled topsoil. Supplement with imported topsoil as needed. Verify suitability of existing surface soil to produce viable planting soil. Final approval of soil composition shall be provided by the landscape

contractor. Remove stones, roots, plants, sod, clods, clay lumps, pockets of coarse sand, concrete slurry, concrete layers or chunks, cement, plaster, building debris, and other extraneous materials harmful to plant growth. Mix surface soil with the

following soil amendments to produce planting soil: a. Ratio of Loose Compost to Topsoil by Volume: 1:4.

b. Weight of Lime per 1000 Sq. Ft.: Amend with lime only on recommendation of soil test to adjust soil pH. c. Weight of Sulfur or Aluminum Sulfate per 1,000 Sq. Ft.: Amend with sulfur or aluminum sulfate only on recommendation

d. Volume of Sand: Amend with sand only on recommendation of Landscape Architect to adjust soil texture.

e. Weight of Slow-Release Fertilizer per 1,000 Sq. Ft.: Amend with fertilizer only on recommendation of soil test to adjust

Snow storage areas are located along the edges and corners of parking areas as shown on the plan.

18. During the establishment period for the installed deciduous mitigation trees (1-2 years as to be determined by certified

a. The trunk of young trees shall be wrapped in late autumn and wrap shall be removed in early spring b. Burlap screening or wrapping shall be installed on the southwest and windward sides from late autumn to early spring.

c. Trees shall be watered in spring and autumn and during dry conditions at a frequency determined by certified arborist. d. Mulching around trees shall be maintained at a depth of 2 to 3 inches.

19. All landscaping or other screening material within a sight triangle shall be no greater than 30 inches tall, and all trees within a sight triangle shall have all branches trimmed to provide clear vision for a vertical height of 8 feet above the roadway surface. Evergreen trees shall not be permitted within sight triangles.

20. All species deviations must be approved in writing by the City of Ann Arbor prior to installation.

21. The City of Ann Arbor has adopted an ordinance limiting phosphorus in fertilizer. To assist in compliance with the State mandated TMDL for phosphorus within the Middle Huron River basin. Applications of fertilizer beyond the initial topsoil and seeding shall be a fertilizer with no phosphorus.

1. Maintain plantings by pruning, cultivating, watering, weeding, fertilizing, mulching, restoring planting saucers, adjusting and repairing tree-stabilization devices, resetting to proper grades or vertical position, and performing other operations as required to establish healthy, viable plantings. Spray or treat as required to keep trees and shrubs free of insects and disease. 2. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace mulch materials damaged

3. Apply treatments as required to keep plant materials, planted areas, and soils free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards. Treatments

include physical controls such as hosing off foliage, mechanical controls such as traps, and biological control agents. 4. Contractor shall warranty all plant material and trees to remain alive and be in healthy, vigorous and like new condition for the specified period from installation to Substantial Completion. The entire Landscaping Project, including but not limited to: plants (perennials), trees, shrubs, mulches, shrubs, etc. are to be under Warranty for One Year after Substantial Completion date of the Project. At the end of the specified One Year Warranty period the Owner's Representative will inspect plant material for compliance. Contractor shall replace, in accordance with the drawings and specifications, all plants, trees, shrubs, etc. or as determined by the Owner's Representative, are in an unhealthy or unsightly condition. Warranty shall not include damage or loss of plants, trees, and shrubs caused by fires, floods, freezing rains, lightning storms, or winds over 75 miles per hour, acts of vandalism or negligence on the part of the owner, or any other incident beyond landscape contractor's

5. Watering: The contractor shall keep seed moist for optimum plant growth (1" of total water per week, including rainfall) until

the grass and/or flowers are four (4) inches high typical. 6. Protection from traffic and erosion in newly seeded areas is the responsibility of the contractor. Safety fences and/or silt fence with appropriate signage may be used at the contractor's expense until the grasses and flowers are fully established.

7. Erosion shall be repaired by the contractor.

exceeding 5 by 5 inches.

8. Turf installations shall meet the following criteria as determined by Owner: a. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not

b. Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, even-colored, viable turf has been

established, free of weeds, open joints, bare areas, and surface irregularities. c. Use specified materials to reestablish turf that does not comply with requirements and continue maintenance until turf is

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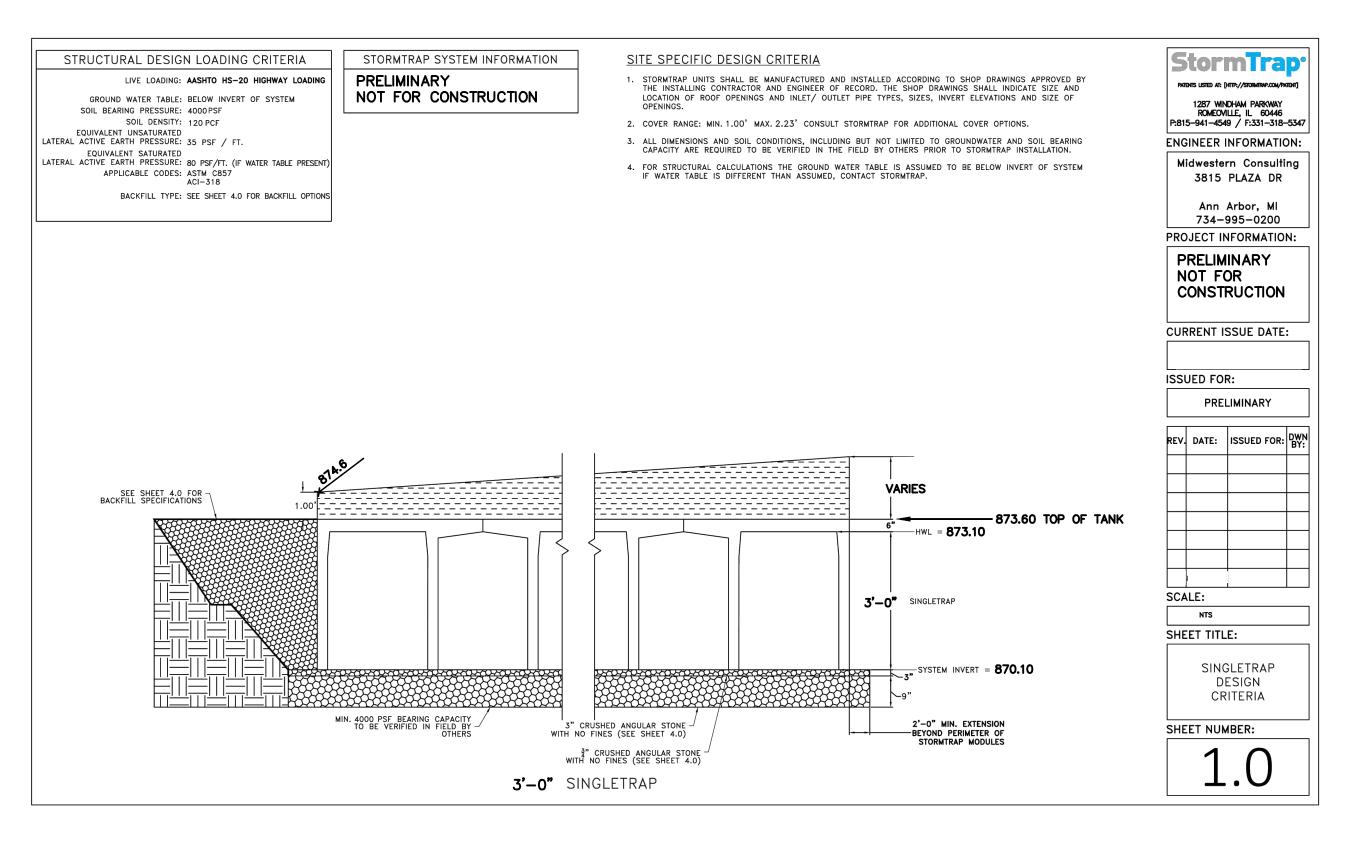
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The underground utilities shown have been located from field survey information and existing records. The surveyor makes no quarantees that the underground utilities shown comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. Although the surveyor does certify that they are located as accurately as possible from the information available.

3. THE CONCRETE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTE CONCRETE AND





**GEOPAK SERIES 1** 

## **FEATURES**

• GeoPak Series consists of three compact Geometric wall-pack shapes in four popular finishes

• 24 mid-power LEDs create 3115 lumens in AC and 1628 lumens in emergency mode

• Environmentally friendly, long-life Lithium Iron Phosphate battery • Standard Battery Temperature Range: 0°C to 40°C, Optional Heater: -30°C to 40°C



LOCATION:

PROJECT:

CATALOG #:



St. Joseph Photometric Abbreviation: W1



#### **SPECIFICATIONS**

Zero uplight distributions

CONSTRUCTION • Housing is made from die-cast aluminum with a hinged back-plate for ease of

installation and maintenance • Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating. Wet Location Listed to UL924 and

UL1598 Standard 24 mid power LEDs delivering up to 3,000 lumens

 Up to 118 lumens per watt Type III and IV distributions for a wide variety of applications Zero uplight (UO), dark sky, neighbor

INSTALLATION Universal plate for mounting to standard 3 1/2" and 4" square electrical boxes. All connections are made from connections

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at the rear of the unit • Optional back-box accessory available for surface conduit application.

• 0-10V dimming driver standard. Dimming

leads are extended from the product.

options available for complete on/off

emergency lighting for the required 90 minute path of egress

Phosphate battery with optional battery

heater for cold temperature application

Ambient operating temperature -40°C to

Button photocontrol is suitable for 120-

Photocell and occupancy sensor

• Intergral Battery Backup provides

Includes a long-life Lithium Iron

• Please consult brand or sales

representative when combining

control and electrical options as

some combinations may not operate

as anticipated depending on your

ELECTRICAL

10kA surge protector

and dimming control

277V operation

application.

CERTIFICATIONS Drivers IP66 and RoHS compliant • 120-277 and 347-480V operation,

• Listed to UL1598 and CSAC22.2#250.0-24 for wet location WARRANTY

#### 5 year warranty

Lumen Range Wattage Range Efficacy Range (LPW) Weights lbs. (kg)

Page 1 of 5

| KEY DATA | 1                   |
|----------|---------------------|
| ge       | 1720-2896           |
| nge      | 15-25               |
| (LPW)    | 107-131             |
| (kg)     | 10.5–11.5 (4.8–5.2) |

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**GEOPAK SERIES 1** 

LOCATION: PROJECT: CATALOG #:

ORDERING GUIDE

Example: TRP2-24L30-3K7-2-UNV-DBT CATALOG #

ORDERING INFORMATION

|        |            | _ |       |         | _ |      |          | _ |       |               | _ |       |          | <br>- |         |         |
|--------|------------|---|-------|---------|---|------|----------|---|-------|---------------|---|-------|----------|-------|---------|---------|
| Series |            |   | # LEC | )s      |   | Watt | age      |   | CCT/C | CRI           |   | Distr | ibution  | ٧     | /oltage |         |
| TRP1   | Trapezoid  |   | 24L   | 24 LEDs |   | 15   | 15 watts | 1 | 3K7   | 3000K, 70 CRI |   | 3     | TYPE III | Ū     | JNV     | 120-277 |
| RDI1   | Radius     |   |       |         |   | 20   | 20 watts |   | 4K7   | 4000K, 70 CRI |   | 4W    | TYPE IV  | 1     | 20      | 120V    |
| QSP1   | Qtr-sphere |   |       |         |   | 25   | 25 watts |   | 5K7   | 5000K, 70 CRI |   |       |          | 2     | 208     | 208V    |
|        |            |   |       |         |   |      |          |   | 3K8   | 3000K, 80 CRI |   |       |          | 2     | 240     | 240V    |
|        |            |   |       |         |   |      |          |   | 4K8   | 4000K, 80 CRI |   |       |          | 2     | 277     | 277V    |
|        |            |   |       |         |   |      |          |   | 5K8   | 5000K, 80 CRI |   |       |          | 3     | 347     | 347V    |
|        |            |   |       |         |   |      |          |   |       |               |   |       |          | 4     | 180     | 480V    |
|        |            |   |       |         |   |      |          |   |       |               |   |       |          |       |         |         |

BLT Black Matte Textured STD fixture configuration, BLS Black Gloss Smooth Programmable occupancy 120-277V only) sensor, factory default is 10% **DBT** Dark Bronze Matte Textured Battery pack (0°C) **DBS** Dark Brone Gloss Smooth Battery pack (-30°C) with GTT Graphite Matte Textured LGS Light Grey Gloss Smooth Up to 20ft mount height PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured

1 Voltage specific (120 or 277V only)

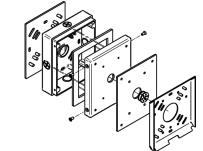
2 Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only 3 PCU option not applicable, included in sensor

4 Must specify input voltage (120, 208, 240 or 277) 5 PCU and EH cannot be combined in the QSP1 because of space constraints

ACCESSORIES (ORDERED SEPARATELY)

Catalog Number Description SCP-REMOTE\* Remote control for SCP option. Order at least one per WP-BB-XXX Accessory for conduit entry, replace "xxx" with color option

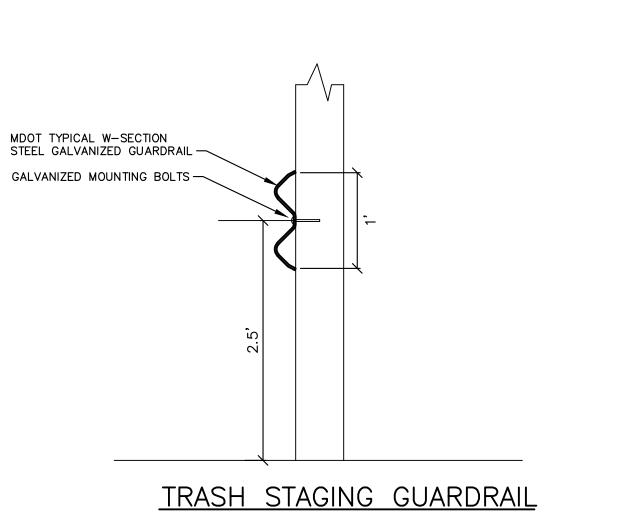
WB-BB Wallpack Back Box



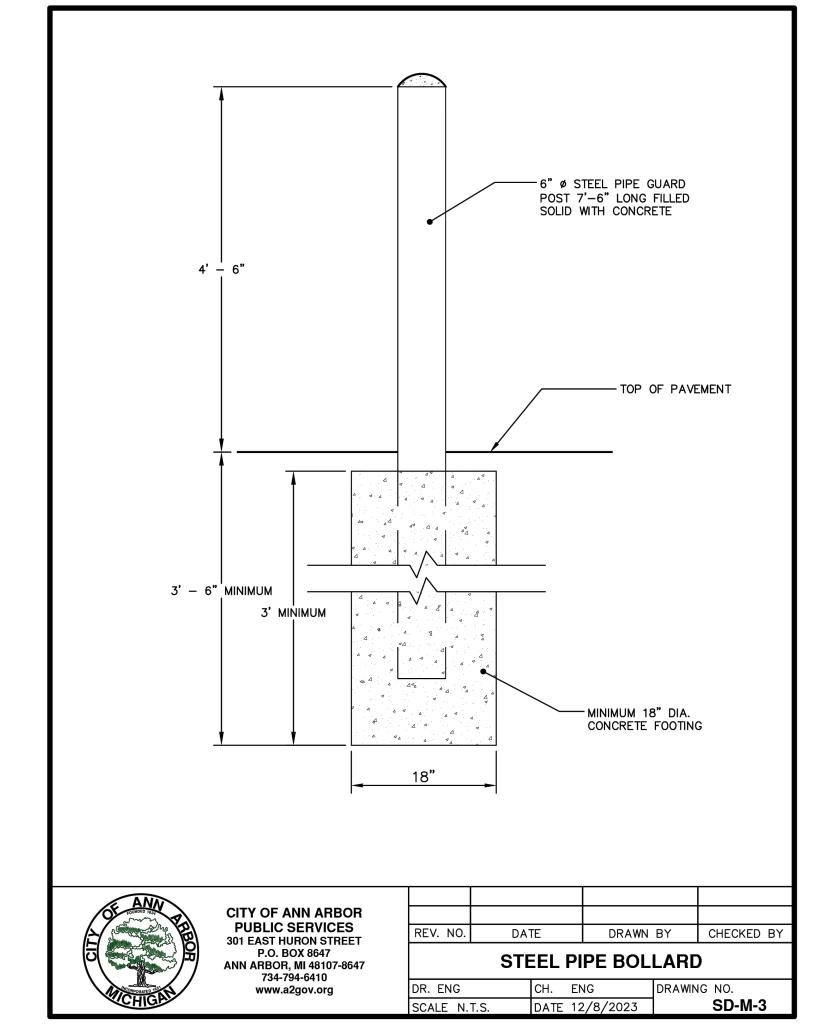
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NOT TO SCALE

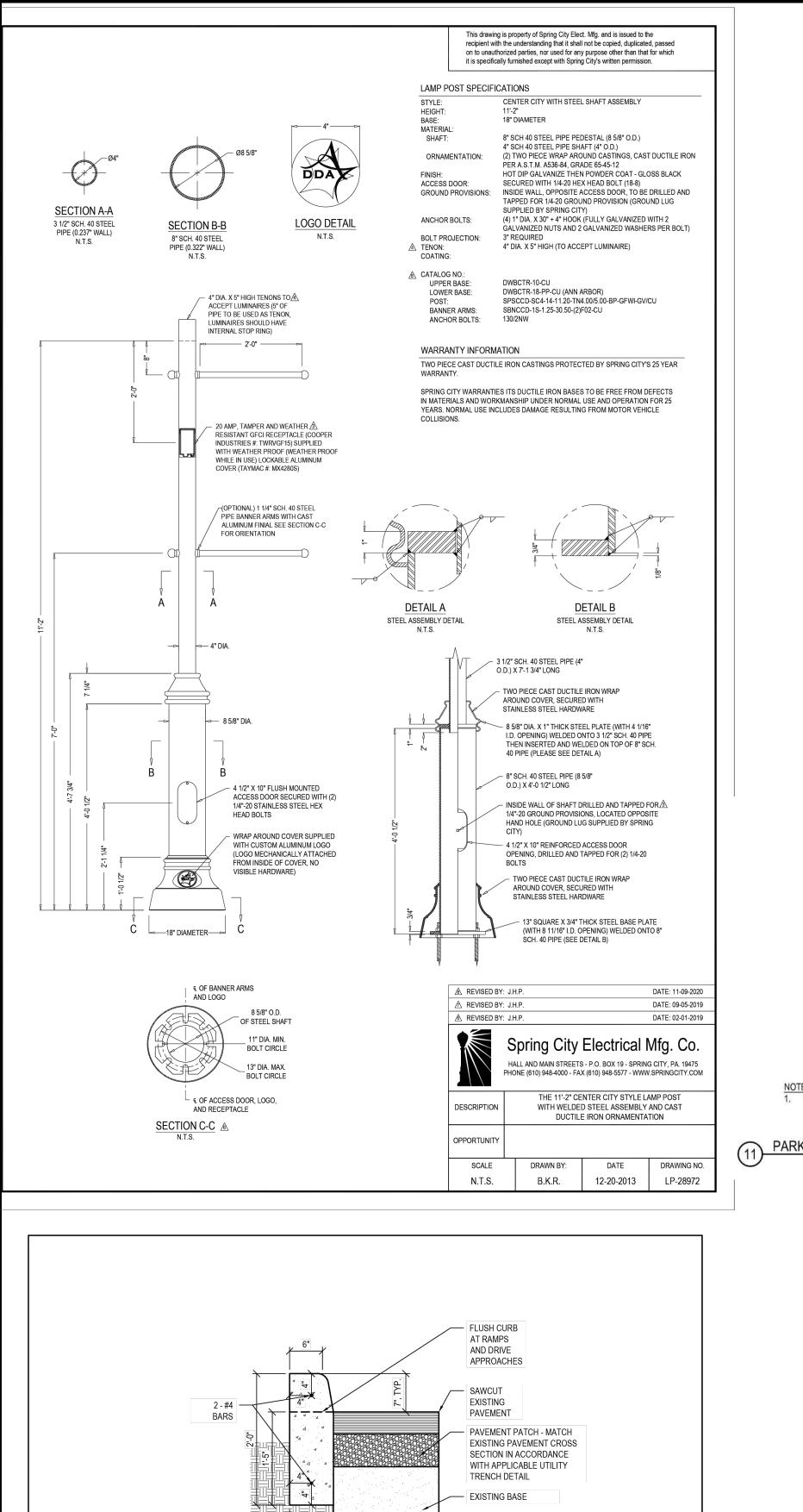


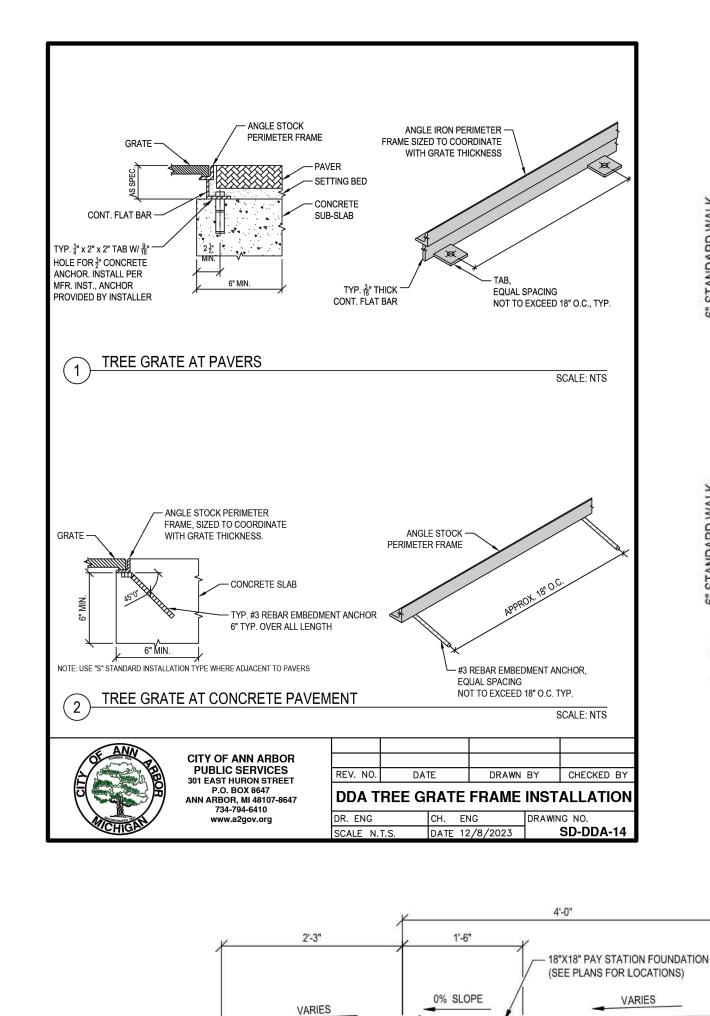
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— JOINT FILLER MATERIAL

SIDEWALK" DETAIL

TOP OF SIDEWALK

CONCRETE TO BUILDING FACE,

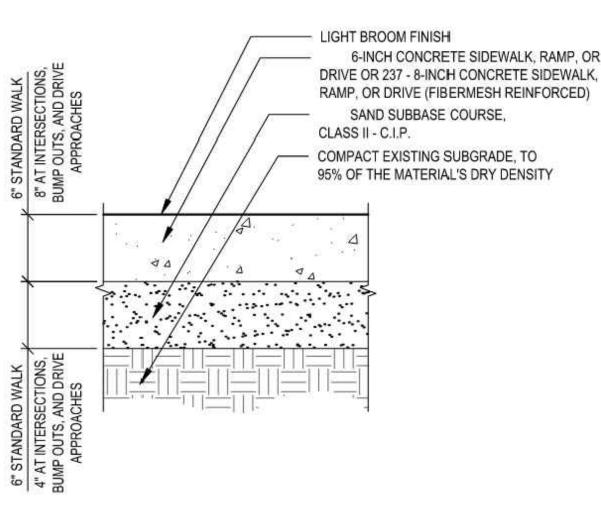
FOUNDATION, OR STRUCTURE

ALL EXPANSION JOINTS TO BE SEALED IN DDA DISTRICT
 DOWELED SEALED EXPANSION JOINTS INCLUDING BARS

AND SLEEVES ARE INCIDENTAL TO PAVEMENT PAY ITEMS

8 DDA SIDEWALK - SEALED EXPANSION JOINT

- REFER TO "DDA CONCRETE

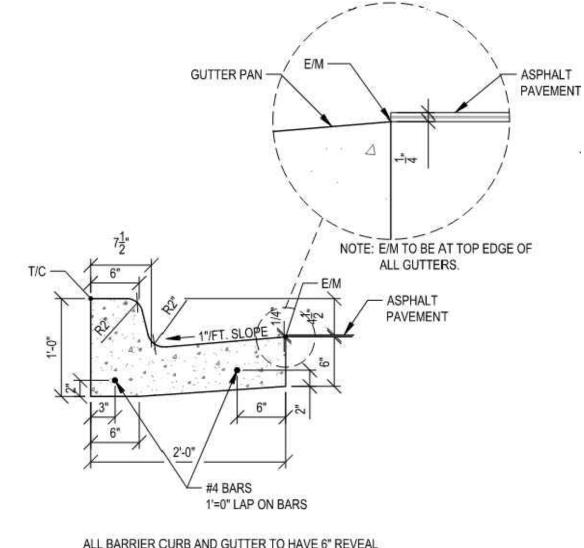


- CONTRACTOR TO CONSTRUCT ALL SIDEWALKS, SIDEWALK RAMPS, CURBS, AND ALL OTHER CONCRETE ITEMS WITHIN A.D.A.A.G. COMPLIANCE.
- 2. ALL SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MDOT STANDARD DETAIL R-28-J.

DDA CONCRETE SIDEWALK

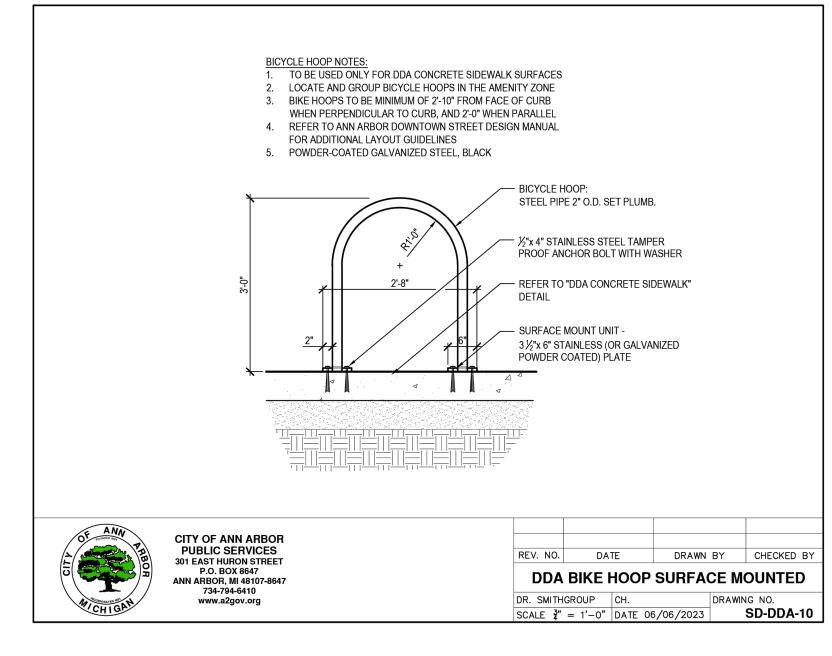
- 1/4" CONTRACTION JOINT, TOOLED TO 1/2 DEPTH OF PAVEMENT REFER TO "DDA CONCRETE SIDEWALK" DETAIL 1/4" RADIUS, TYP. -TOOLED CONTRACTION TO HAVE 1/4" RADIUS AT

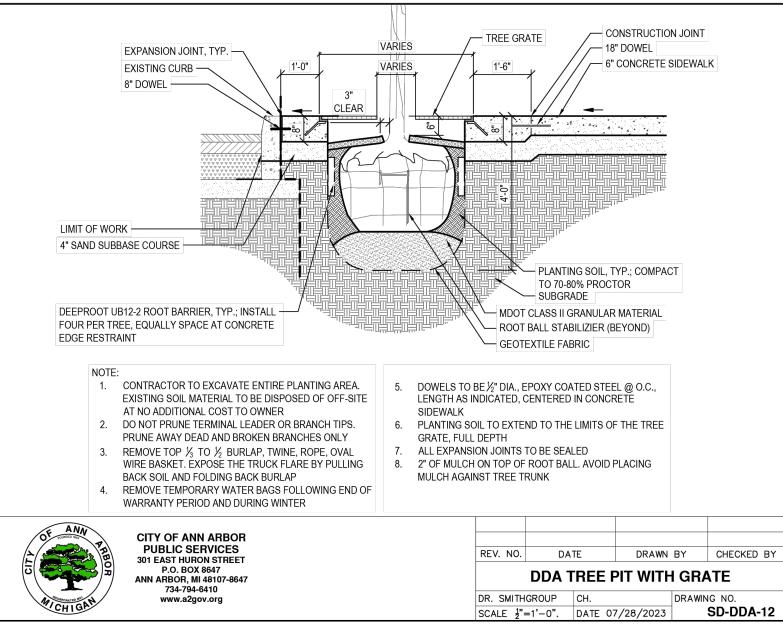
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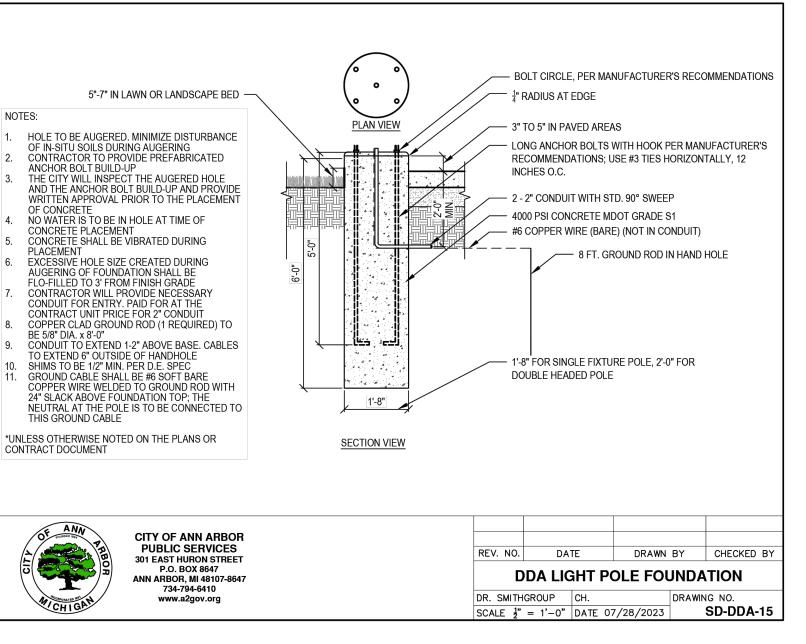


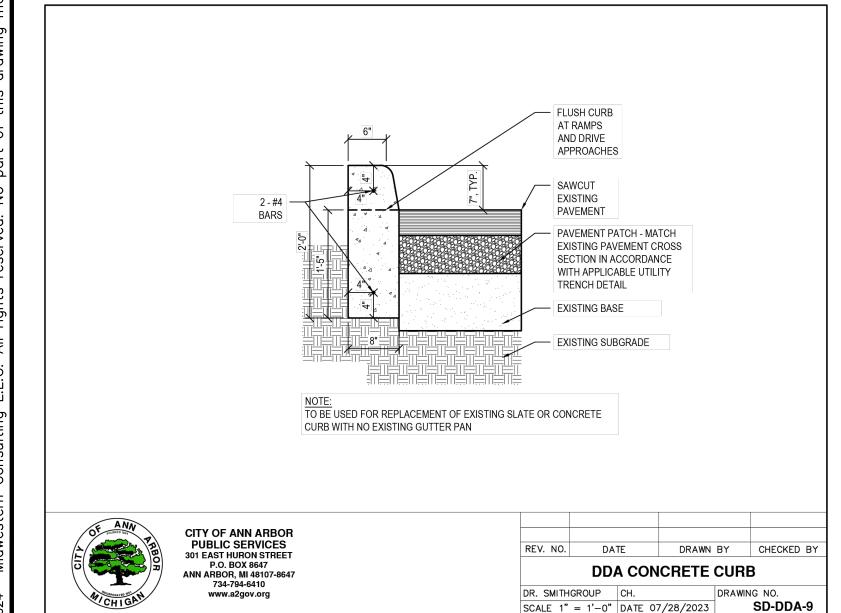
ALL BARRIER CURB AND GUTTER TO HAVE 6" REVEAL EXCEPT WHERE NOTED OTHERWISE. ALL BARRIER CURB AND GUTTER TO BE PLACED ON

BARRIER CURB AND GUTTER

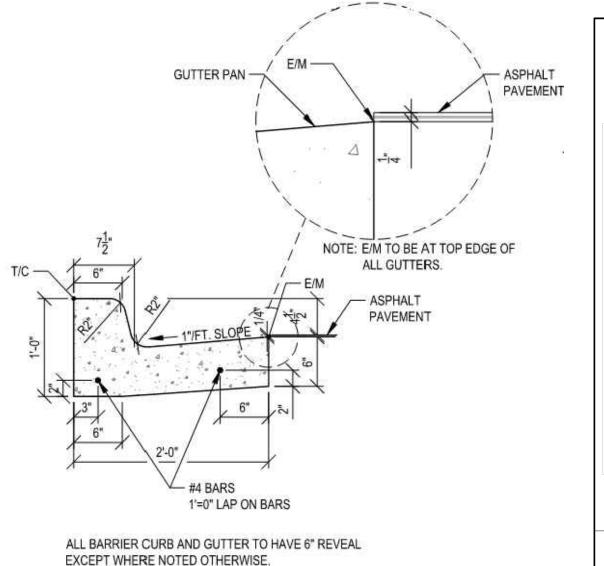








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AGGREGATE BASE COURSE - 21AA - C.I.P.

SCALE: 1" = 1'-0"

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SURFACE OF JOINT THICKENED PAVEMENT AS ILLUSTRATED HERE IS CONSIDERED INCIDENTAL, AND SHALL NOT BE PAID FOR SEPARATELY. TOOLED CONTRACTION JOINT PARKING PAY STATION FOUNDATION DDA SIDEWALK - CONTRACTION JOINT BUILDING FACE/ FOUNDATION/ STRUCTURE — ½\* UNLESS NOTED OTHERWISE — ½" UNLESS NOTED JOINT SEALANT — JOINT SEALANT - FOAM BACKER ROD - FOAM BACKER ROD

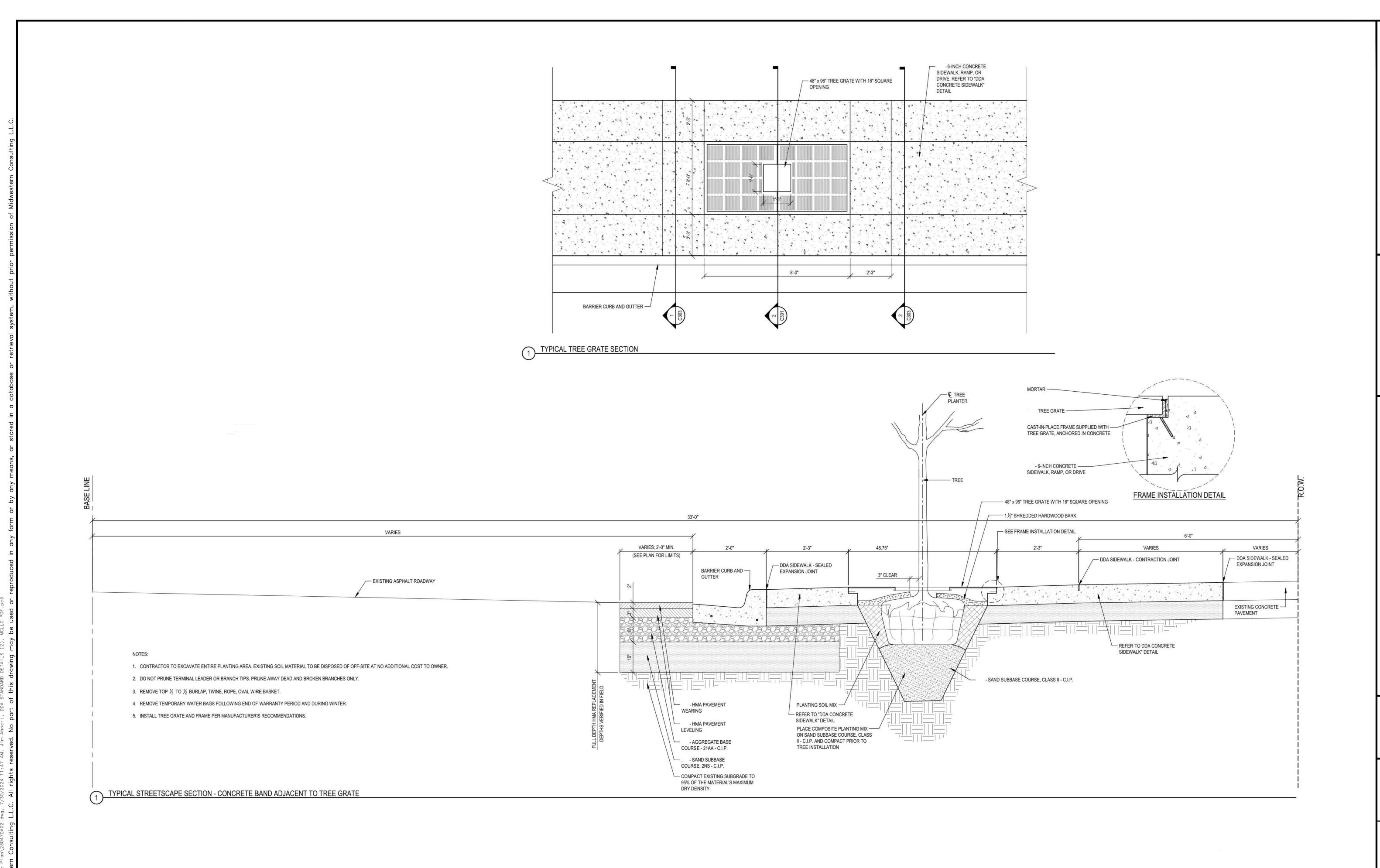
- JOINT FILLER MATERIAL

SIDEWALK" DETAIL

TOP OF SIDEWALK

CONCRETE TO CONCRETE SIDEWALK

- REFER TO "DDA CONCRETE



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