ARC DESIGN
RESOURCES INC.

CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE

5291 Zenith Parkway
Loves Park, IL 61111
815-484-4300 p
815-484-4303 f

Date: February 3, 2022

Mr. Kevin Firchow
Principal Planner, Development Review
City of Madison - Urban Design Commission
215 Martin Luther King Jr. Blvd.
Madison, Wisconsin 53703

Re: Letter of Intent – Popeye's Madison, WI
6831 Odana Road

Mr. Kevin Firchow

The following is submitted together with the plans and application for the staff and Urban Design Commission's consideration of approval.

This letter has been updated. Updates are highlighted.

Introduction:
The existing site serves as a parking area south of the Burlington Coat Factory strip mall. The 0.97-acre site is zoned in the CC Commercial Center District and is not a part of an Urban Design District. This application seeks the approval of the proposed improvements to develop the site into the proposed Popeyes Louisiana Kitchen restaurant with a drive-thru, paved parking areas, and landscaped areas. The proposed use is considered a Conditional Use by the City of Madison.

The restaurant is anticipated operate between 10 a.m. and 10 p.m. daily. It has indoor seating for 36 patrons, 19 drive-thru spaces, 19 parking on-site parking spaces, and 4 bicycle rack spaces. Adjacent to the site along Odana Road is Bus Stop 6357, which has hourly Metro Transit service on weekdays.

This Popeyes location is anticipated to employ approximately ten community members on each shift. Construction is expected to start in summer 2022 with an opening date in fall 2022.

The project team consists of Aby Mohamed of Aby Groups, the site developer and franchisee, civil engineer Lauren Downing of Arc Design Resources, and Mary Panter of Linden Group Architects. Signage is provided by Elevate Sign Group and exterior lighting is provided by Cree.

Plan Updates
The site plan has been updated to avoid large retaining walls in along Odana road. This was completed by:

- Providing two (2) 2' retaining walls at the northeast corner of the site creating a terraced look.
    - Wall type has not been finalized. We anticipate utilizing a wall similar to the Keystone Compact lighter stone look, similar to what is on the site today.

- o Keystone Compac:
- Revision of switchback ramp to stairs and addition of sidewalk connection to the west. Elimination of the switchback ramp eliminates the tall 7' retaining wall.

The site plan has been revised to route the drive-thru stacking along the south side of the lot. This eliminates patrons which are dining in from crossing the drive-thru area. The resulting access to the south has been moved to the west to accommodate this change.

Project Description:
This fast-food restaurant development is a new conditional use in the CC Commercial Center district.

Alder Keith Furman (District 19) has been notified of the proposed conditional use and has agreed to waive the 30-day notification waiver.

The following improvements to the site will be made:

1. Public Rights-of-Way
    a. Metro Transit stop 6357 is located at the northwest corner of the site in the Odana Road right-of-way. Pedestrian connectivity is provided to the bus stop and Odana Road sidewalk via an ADA accessible ramp to the main entrance of the building.
    b. All trees in the public right-of-way will be protected and preserved.

2. Off-Street Parking and Loading Areas
    a. The existing site serves as a parking area for the Burlington Coat Factory retail area to the south of the site. The existing parking area will be demolished and a new parking area with 19 parking spaces, including one ADA accessible space. The parking area is landscaped on all sides and features several landscaping islands.
    b. Popeyes conducts a large proportion of sales through the drive-thru. Eighteen drive-thru queue spaces and two order stations are proposed.

3. Signs
    a. The proposed signage is consistent with the new branding of Popeye's Louisiana Kitchen. Proposed signs are consistent with signage of the surrounding businesses. A monument sign will be installed along the Odana Road right-of-way. Most signs are internally illuminated. A sign packet is included with the submittal.

b. Two monument signs for the retail stores to the south of the site will be preserved on the site. A monument sign for Burlington Coat Factory is located on the northwest side of the site and a monument sign for JOANN Fabrics and Hand & Stone Massage and Facial Spa is located at the northeast corner of the site.

4. Building Design
   a. The proposed Popeyes restaurant is an all-new building type released in the summer of 2021. The 2,984 square-foot building features seating for 36 patrons and mobile order pick-up stations. The building exterior features attractive brick, wood-grain fiber cement panels, decorative exterior artwork and accents, and Popeyes' signage and branding elements.

5. Lighting
   a. Exterior lighting is designed and provided by Cree to meet the City's medium activity lighting requirements.

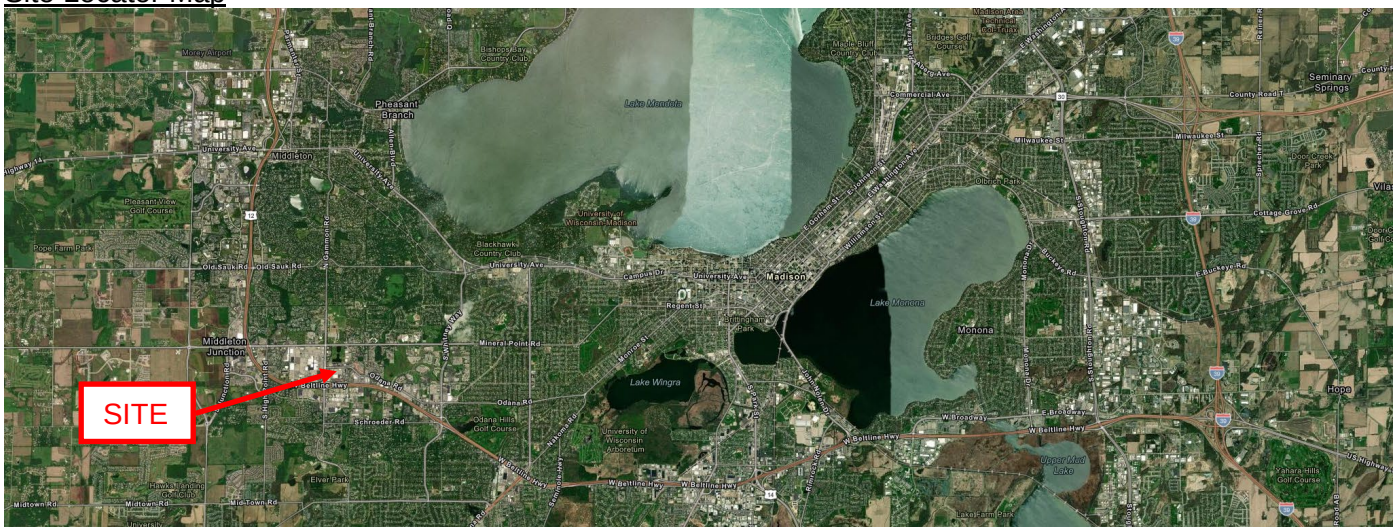
6. Landscaping
   a. Several trees and landscaped areas must be removed to facilitate construction of this development. One mature tree will be preserved. All trees in the Odana Road right-of-way will be preserved.
   b. There are several landscaping beds along the building perimeter with a variety of flowering perennials and evergreen shrubs to maintain an attractive appearance year-round.
   c. The site perimeter is landscaped to screen the trash enclosure and transformer area from public view.
   d. The site features four retaining walls to manage grade changes across the site.

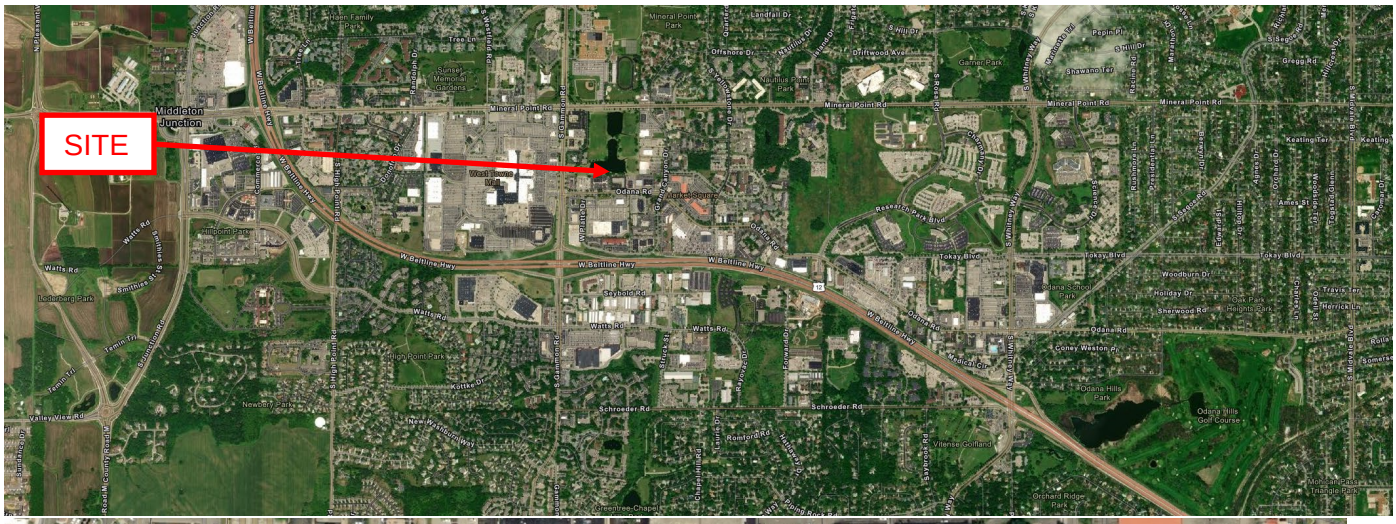
7. Stormwater Management
   a. The existing site has three inlets to capture runoff from the retail development to the south of the site. These will be removed, and three inlets will be installed in the south access road to capture runoff from this area.
   b. A detention basin will be constructed on the north side of the site to achieve the release rate and water quality measures required.

<u>City and Neighborhood Input:</u>
Alder Keith Furman has agreed to waive the 30-day notification prior to submitting for a conditional use.

A DAT meeting was conducted in July 2021. The Traffic Engineering department suggested pedestrian connectivity from the building to the Metro Transit bus stop, which is provided. Additionally, west sidewalk will be routed to connect to the pedestrian route leading to the retail stores to the south of the development. The west access driveway is an exit-only route to prevent traffic congestion backing up to Odana Road.

Site Locator Map





Existing Site and Surrounding Buildings and Signs:

Photo 1: Site from Odana Road sidewalk (dated July 1, 2021)

Photo 2: Site from Odana Road sidewalk (dated July 1, 2021)

Photo 3: Site from Odana Road sidewalk at bus stop (dated July 1, 2021)

Photo 4: Site from southeast corner via Google (dated August 2018)

Photo 5: Site from southwest corner via Google (dated August 2018)

Photo 6: Burger King to west of site - 6909 Odana Road (dated July 1, 2021)

Photo 7: Multi-tenant retail building to east of development via Google (dated August 2018)

Photo 8: Multi-tenant retail building to south of development via Google (dated August 2018)

Photo 9: Multi-tenant retail building to north of development via Google (dated August 2018)

Site Development Data:

Gross Lot Area:	42,375 square feet (0.972 acres)
Proposed Building Area:	2,984 square feet
Paved Area:	23,274 square feet
Landscaped Area:	16,117 square feet
Proposed Drive-Through Stacking:	19 spaces
Proposed Parking:	19 stalls / 1 ADA
Proposed Bicycle Parking:	4 spaces

Thank you for your consideration in review of our proposal.

Sincerely,

Lauren N Downing

Lauren Downing

POPEYES MADISON, WI

6831 ODANA RD
MADISON, WI

GENERAL NOTES

1. The designs represented in these plans are in accordance with established practices of civil engineering for the design functions and uses intended by the owner at this time. Neither the engineer nor its personnel can or do warrant these designs or plans as constructed except in the specific cases where the engineer inspects and controls the physical construction on a contemporary basis at the site.
2. The contractor, by agreeing to perform the work, agrees to indemnify and hold harmless the owner, the engineer, the City, and all agents and assigns of those parties, from all suits and claims arising out of the performance of said work, and further agrees to defend or otherwise pay all legal fees arising out of the defense of said parties.
3. In accordance with generally accepted construction practices, the contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Any construction observation by the engineer of the contractor's performance is not intended to include review of the adequacy of the contractors safety measures, in, or near the construction site. The contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all other measures that are necessary to protect the safety of the site at all times.
4. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Use traffic control devices to include temporary striping, flagmen, barricades, warning signs, and warning lights shall be in accordance with current MUTCD and WisDOT standards.
5. All phases of the site work for this project shall meet or exceed industry standards and requirements set forth by the the owner's "Description of Work", the City of Madison, the State of Wisconsin, and this plan set.
6. The City of Madison must be notified at least two (2) working days prior to the commencement or resumption of any work.
7. The contractor shall coordinate all permit and inspection requirements with responsible local, state, and federal agencies. The contractor shall include the costs of this coordination and all inspection fees in the bid price.
8. All work performed by the contractor shall come with a warranty against defects in workmanship and materials. This warranty period shall run concurrent with the required warranty periods the owner must provide to each local government agency, as a condition of the permit.
9. The contractor will be held solely responsible for and shall take precautions necessary to avoid property damage to adjacent properties during the construction of this project.
10. All structures, inlets, pipes, swales, roads and public egresses must be kept clean and free of dirt and debris at all times.
11. Any field tiles encountered during construction shall be recorded showing size, location, and depth by the contractor, and either reconnected and rerouted or connected to the storm sewer system. The owner shall be notified immediately upon encountering any tile.
12. The contractor shall field verify the elevations of the benchmarks prior to commencing work. The contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The contractor shall field verify horizontal control by referencing property corners to known property lines. Notify the engineer of discrepancies in either vertical or horizontal control prior to proceeding.
13. All elevations are on NAVD 88 datum.
14. Parking areas designated as A.D.A. and all sidewalk shall be compliant with state and local A.D.A. requirements.
15. Tactile warning plates per WisDOT specifications shall be placed at all locations where sidewalk that is to be replaced intersects public roads and at locations indicated in this plan set.
16. The contractor shall verify the location of all utilities in the field prior to construction. This includes sanitary sewer, water main, storm sewer, gas, telephone, electric, cable, and other utilities, if any. The Diggers Hotline number is 1-800-242-8511. Property corners shall be carefully protected until they have been referenced by a Professional Land Surveyor.
17. The contractor shall keep careful measurements and records of all construction and shall furnish the Engineer, the Owner and the Village with record drawings in a digital format compatible with AutoCAD Release 14 upon completion of his work.
18. Any excess dirt or materials shall be placed by the contractor onsite at the owner's direction or as indicated on the plans.
19. Notify the owner and the City of Madison of any existing wells. Obtain permit from the Wisconsin DNR. Cap and abandon wells in accordance with local, state, and federal regulations.
20. Finish grade shall in all areas not specifically reserved for storm water management shall drain freely. No ponding shall occur. Tolerances to be observed will be measured to the nearest 0.04 of a foot for paved surfaces and 0.10 of a foot for unpaved areas.

VICINITY MAP

DIGGERS HOTLINE

CALL DIGGERS HOTLINE BEFORE
YOU DIG
CALL 811 OR 1-800-242-8511

OWNER:

ABYGROUPS

ABY MOHAMED
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

ENGINEER:

ARC DESIGN RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Design Firm License No. 2411-11

INDEX OF SHEETS

SHEET NUMBER	SHEET TITLE
C00	COVER
C01	GENERAL NOTES
C02	SWPPP PLAN
C03	REMOVALS PLAN
C04	LAYOUT PLAN
C05	GRADING PLAN WEST
C06	GRADING PLAN EAST
C07	DRAINAGE PLAN
C08	UTLITY PLAN
C09	POPEYES' DETAILS
C10	POPEYES' DETAILS
C11	DETAILS
C12	DETAILS
C12	CITY OF MADISON DETAILS
C13	CITY OF MADISON DETAILS
C14	WISDOT DETAILS
L01	LANDSCAPING PLAN

APPROVAL	DATE
CITY OF MADISON, WI	PENDING
STATE OF WISCONSIN DSPS (PLUMBING)	PENDING
STATE OF WISCONSIN DNR (NOTICE OF INTENT)	PENDING

UTILITY OFFICIALS

PUBLIC WORKS DEPARTMENT:
CITY OF MADISON
PUBLIC WORKS DEPARTMENT
210 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53703
(608) 267-8815

PUBLIC WORKS INSPECTION:
CITY OF MADISON
PUBLIC WORKS DEPARTMENT
210 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53703
(608) 267-8815

SEWER DISTRICT:
MADISON METROPOLITAN SEWERAGE DISTRICT
1610 MOORELAND RD.
MADISON, WI 53713
(608) 222-1201

WATER DEPARTMENT:
MADISON WATER UTILITY
119 E. OLIN AVE.
MADISON, WI 53713
(608) 226-4651

TELEPHONE:
AT&T
(855) 496-1228

CABLE TELEVISION:
SPECTRUM
2935 S. FISH HATCHERY RD.
FITCHBURG, WI 53711
(866) 874-2389

ELECTRIC:
MADISON GAS & ELECTRIC
133 S. BLAIR ST.
MADISON, WI 53703
(608) 252-7222

GAS:
MADISON GAS & ELECTRIC
133 S. BLAIR ST.
MADISON, WI 53703
(608) 252-7222

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE
COVER

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER
19055
C00

WDNR EROSION CONTROL NOTES

WDNR Notes. Should conflicts be found between notes in the plans and these WDNR Notes, WDNR Notes shall govern.

1. Post WDNR certificate of permit coverage on site and maintain until construction activities have ceased, the site is stabilized, and a Notice of Termination is filed with WDNR.
2. Keep a copy of the current erosion control plan on site throughout the duration of the project.
3. Submit plan revisions or amendments to the WDNR at least 5 days prior to field implementation.
4. Contractor is responsible for routine site inspections at least once every 7 days and within 24 hours after a rainfall event of 0.5 inches or greater. Keep inspection reports on-site and make them available upon request.
5. Inspect and maintain all installed erosion control practices until the contributing drainage area has been stabilized.
6. When possible: preserve existing vegetation (especially adjacent to surface waters), minimize land-disturbing construction activity on slopes of 20% or more, minimize soil compaction, and preserve topsoil.
7. Refer to the WDNR stormwater construction technical standards at http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
8. Install perimeter erosion controls and rock tracking pad construction entrance(s) (Temporary Stone Construction Entrance) prior to any land-disturbing activities, including clearing and grubbing. Use WDNR Technical Standard Stone Tracking Pad and Tire Washing #1057 for rock construction entrances.
9. Install inlet protection prior to land-disturbing activities in the contributing drainage area and/or immediately upon inlet installation. Comply with WDNR Technical Standard Storm Drain Inlet Protection for construction sites #1060.
10. Stage construction grading activities to minimize the cumulative exposed area. Conduct temporary grading for erosion control per WDNR Technical Standard Temporary Grading Practices for Erosion Control #1067.
11. Notify the City of Madison, WI and WDNR if dewatering is scheduled to occur in areas of soil and/or groundwater contamination, or if dewatering will occur from a high capacity well (70 gpm or more). Dewater only after the appropriate WDNR dewatering discharge permit has been obtained.
12. Provide anti-scour protection and maintain non-erosive flow during dewatering. Limit pumping rates to either (a) the sediment basin/trap design discharge rate, or (b) the basin design release rate with the correctly fitted hose and geotextile filter bag. Perform dewatering of accumulated surface runoff in accordance with WDNR Technical Standard De-Watering #1061.
13. Install and maintain silt fencing per WDNR Technical Standard Silt Fence #1056. Remove sediment from behind silt fences and sediment barriers before sediment reaches a depth that is equal to one-half of the fence and/or barrier height.
14. Repair breaks and gaps in silt fences and barriers immediately. Replace decomposing straw bales (typical bale life is 3 months). Locate, install, and maintain straw bales per WDNR Technical Standard Ditch Checks #1062.
15. Install and maintain filter socks in accordance with WDNR Technical Standard Interim Manufactured Perimeter Control and Slope Interruption Products #1071.
16. Immediately stabilize stockpiles and surround stockpiles as needed with silt fence or other perimeter control if stockpiles will remain inactive for 7 days or longer.
17. Immediately stabilize all disturbed areas that will remain inactive for 14 days or longer. Between September 15 and October 15: stabilze with mulch, tackifier, and a perennial seed mixed with winter wheat, annual oats, or annual rye, as appropriate for region and soil type October 15 through cold weather: stabilize with a polymer and dormant seed mix, as appropriate for region and soil type.
18. Stabilize areas of final grading within 7 days of reaching final grade.
19. Sweep/clean up all sediment/trash that moves off-site due to construction activity or storm events before the end of the same workday or as directed by the City of Madison, WI. Separate swept materials (soils and trash) and dispose of appropriately.
20. Contractor is responsible for controlling dust per WDNR Technical Standard Dust Control on Construction Sites #1068.
21. Properly dispose of all waste and unused building materials (including garbage, debris, cleaning wastes, or other construction materials) and do not allow these materials to be carried by runoff into the receiving channel.
22. Coordinate with the design engineer and WDNR to update the land disturbance permit to indicate the anticipated or likely disposal locations for any excavated soils or construction debris that will be hauled off-site for disposal. The deposited or stockpiled material needs to include perimeter sediment control measures (such as silt fence, hay bales, filter socks, or compacted earthen berms).
23. For non-channelized flow on disturbed or constructed slopes, provide class I, type A for slopes erosion control matting. Select erosion matting from appropriate matrix in WISDOT's WISDOT Product Acceptability List (PAL); install and maintain per WDNR Technical Standard Non-Channel Erosion Mat #1052.
24. For channelized flow on disturbed or constructed areas, provide class I, type B erosion control matting. Unless otherwise specified on the plans, select erosion matting from appropriate matrix in WISDOT's WISDOT Product Acceptability List (PAL); install and maintain per WDNR Technical Standard Channel Erosion Mat #1053.
25. Make provisions for watering during the first 8 weeks following seeding or planting of disturbed areas whenever more than 7 consecutive days of dry weather occur.
26. Install additional erosion and sediment control measures (such as temporary sediment basins, ditch checks, erosion control matting, silt fencing, filter socks, wattles, swales, etc.), or as directed by the City of Madison, WI or WDNR.
27. The contractor is responsible for complying with all applicable WDNR remediation and waste management requirements for handling and disposing of contaminated materials. Site-specific information for areas with known or suspected soil and/or groundwater contamination can be found on WDNR's Bureau of Remediation and Redevelopment Tracking System (BRRTS) public database at: http://dnr.wi.gov/botw/
28. Refer to the SWPPP binder if there is a discharge of sediment and/or other contaminants. A spill plan is required if there is potential to discharge contaminants to waters of the state.

SANITARY SEWER NOTES

1. Sanitary Sewer shall be constructed in accordance with the following:
   A. "Department of Safety and Professional Services (SPS), Chapter 382 Design, Construction, Installation, Supervision, Maintenance and Inspection of Plumbing" (State of Wisconsin), dated December 2015, and all revisions and supplements thereto.
   B. All applicable state and local plumbing codes including (but not limited to) the City of Madison, WI for water and sewer (see C02 General Notes).
   C. Additional details and requirements provided in the contract documents, including this plan set.
   Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.
2. Contact all public and private utility companies 48 hours prior to any excavation. Cost of replacement or repair of existing utilities damaged as a result of the contractor's operation shall be the contractor's responsibility.
3. The contractor shall field verify the elevations of the benchmarks prior to commencing work. The contractor shall also field verify location, elevation and size of existing utilities, and verify floor, curb or pavement elevations where matching into existing work. The contractor shall field verify horizontal control by referencing shown coordinates to known property lines. Notify engineer of discrepancies in either vertical control prior to proceeding with work.
4. Refer to building plans for exact locations of new utility entries.
5. Install cleanouts and manholes in accordance with the standard details in this plan set and with the aforementioned standard specifications. The contractor shall adjust all cleanouts and manhole castings to final grade as defined in this plan set.
6. Cap ends of any conduits installed and mark ends.
7. All sanitary sewers under and within two feet of any existing or proposed pavement shall be backfilled with granular backfill material meeting Wisconsin standard specifications (WisDOT 17 Spec - Section 209/AASHTO T27).
8. Sanitary sewer services shall be 6" or 4", as designated on plans, PVC SDR 35 in accordance with ASTM D-3034. All services shall be sloped from the main at 1% minimum unless otherwise noted.
9. Infiltration testing.
   A. It is the intent of this title to secure a sewer system with a minimum amount of infiltration. The maximum allowable infiltration shall not exceed two hundred gallons per inch of diameter of sewer per mile per twenty-four hour day at any time for any section of the system. The joints shall be tight and any joint with visible leakage or leakage in excess of that specified above shall be repaired at the developer's expense.
   B. The repair must be of a permanent nature and of a quality equal to initial work which is constructed in conformance with the applicable specifications.
   C. Immediately after backfilling, the entire length of the sewer trench, including stubs, shall be inundated to normal ground water level or eighteen inches above the top of sewer pipe, whichever is higher. at that time, infiltration tests shall be made to determine compliance with the allowable infiltration criteria. to measure the amount of infiltration, the contractor shall furnish, install, and maintain a v-notch shape crested weir in a metal frame tightly secured at the lower end of each sewer test section as directed by the City of Madison, WI engineer or his/her authorized representative. the City of Madison, WI engineer or his/her authorized representative will check the infiltration by measuring the flow over such weirs. when infiltration is demonstrated to be within the allowable limits, the contractors shall remove such weirs.
10. Exfiltration testing. if during the construction of the sewer system the engineer shall determine that it is impractical to obtain a proper infiltration test, then a test for watertightness shall be made by bulkheading the sewer at the manhole at the lower end of the section under test and filling the sewer with water to eighteen inches above the top of the sewer in the manhole at the upper end of the section. leakage will then be the measured amount of water added to maintain the above described level at a maximum allowable exfiltration rate of two hundred gallons per inch of diameter of sewer per mile per twenty-four hour day at any time for any section of the system.
11. Air testing. in lieu of infiltration or exfiltration testing, the City of Madison, WI engineer may permit air testing in accordance with ASTM C-828.
12. Deflection testing for flexible conduit
   A. All sanitary sewer lines shall be deflection-tested after 30 days following final backfill operations.
   B. If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the base diameter of the pipe as established in proposed ASTM D-3034. the test shall be performed without mechanical pulling devices.
   C. Wherever possible and practical, the testing shall initiate at the downstream lines and proceed towards the upstream lines.
   D. Maximum allowable pipe deflection is 5%. where deflection is found to be in excess of 5% of the original pipe diameter, the contractor shall excavate to the point of excess deflection and carefully compact around the point excess deflection was found. The line shall then be retested for deflection. however, should after the initial testing the deflected pipe fail to return to the original size (inside diameter) the line shall be replaced.
13. As per State of Wisconsin SPS 382.30(2)(c), Materials for sanitary building sewer pipe shall conform to one of the standards listed in Table 384.30-3.

CITY OF MADISON NOTES

1. THE DEVELOPER SHALL REPLACE ALL CURB & GUTTER AND SIDEWALK THAT IS DAMAGED OR DETERMINED TO BE IN UNSATISFACTORY CONDITION.
2. ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.
3. ALL DISTURBED TERRRACE AREAS SHALL BE RESTORED WITH 6-INCHES OF TOP SOIL AND SEED UNLESS DIRECTED OTHERWISE ON THE PLAN OR BY THE CITY CONSTRUCTION ENGINEER.
4. TYPICAL PAVEMENT CROSS SLOPES SHALL BE 2% AND TERRACES SHALL SLOPE AT A 4% GRADE TOWARD THE GUTTER.
5. THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALLNOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. CONCRETE TERRACE SHALL BE INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB AT SIDEWALK LOW POINTS WHICH CANNOT OTHERWISE BE DRAINED DIRECTLY TO THE GUTTER. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.
6. OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.
7. CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
8. POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.
9. ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS RIGHT-OF-WAY PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.
10. THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.
11. ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.
12. THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.
13. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW TO THE CITY TRAFFIC ENGINEERING DIVISION AT LEAST 10 WORKING DAYS PRIOR TO WORK BEGINNING. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH ALL MUTCD REQUIREMENTS. WORK SHALL NOT PROCEED UNTIL THE TRAFFIC CONTROL PLAN HAS BEEN APPROVED. THE TRAFFIC CONTROL PLAN MAY INCLUDE BUT IS NOT LIMITED TO: LANE CLOSURE RESTRICTIONS, PEAK HOUR WORKING RESTRICTIONS, ACCESS REQUIREMENTS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING WORK AS NECESSARY TO MEET THE REQUIREMENTS OF THE APPROVED TRAFFIC CONTROL PLAN.
14. PAVEMENT SAWCUTS AND FINAL PAVEMENT PATCHING LIMITS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS AND LIMITS SHOWN ON THE PLAN ARE BASED ON ANTICIPATED DISTURBANCE AND THE PATCHING CRIETERIA BUT SHALL BE CONSIDERED APPROXIMATE. ALL PAVEMENT PATCHING SHALL BE PER THE CITY'S PATCHING CRITERIA.
15. NO TREES, EXCEPT THOSE SHOWN ON THE PLANS, SHALL BE REMOVED. IT IS EXPECTED THAT CONSTRUCTION WILL BE STAGED SUCH THAT EXISTING TREES THAT ARE TO REMAIN WILL BE PRESERVED. ANY REQUESTED TREE REMOVALS FOR CONSTRUCTION SHALL BE REVIEWED IN FURTHER DETAIL WITH CITY FORESTRY, AND, IF A TREE REMOVAL PERMIT WILL BE GRANTED, IT WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE IT CAN BE ISSUED; THE ADDITIONAL TIME IS REQUIRED TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN. CITY FORESTRY WILL ISSUE A REMOVAL PERMIT FOR ALL TREE REMOVALS IN THE RIGHT OF WAY IDENTIFIED ON PLANS. CONTACT CITY FORESTRY AT 266-4816 TO OBTAIN THE STREET TREE REMOVAL PERMIT.
16. CONTRACTOR SHALL CONTACT CITY FORESTRY AT 266-4816 AT LEAST ONE WEEK PRIOR TO PLANTING AND ALSO PRIOR TO INSTALLATION OF TREE GRATES. TREE GRATES WILL REQUIRE EXCAVATION TO CONFIRM THAT THERE ARE NO CONFLICTS THAT WOULD PREVENT TREE PLANTINGS. NOTICE PRIOR TO OTHER PLANTINS IS NECESSARY TO SCHEDULE INSPECTION OF THE NURSERY STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

EARTHWORK NOTES

1. Boring samples have been taken at the proposed construction site and a boring report has been supplied with the construction documents.
2. Unsuitable Materials:
   Assume that if unsuitable materials are encountered and the replacement of these materials is required, this situation shall be handled as follows:
   A. The site contractor shall notify the general contractor immediately. The project superintendent, prior to the undercutting being completed, shall approve any additional undercutting. The quantities shall be verified by the engineer as the additional removal is being completed.
   B. If approved by the engineer, these materials shall be removed and replaced with compacted granular materials and compacted in accordance to required standards. The cost of this work shall be an extra to the contract, with the cost being adjusted by change order. Verify with bid documents.
   C. If the site contractor is furnishing any off site materials, a representative sample of such materials shall be furnished to the general contractor's approved testing agency to determine a proctor.
   D. These materials shall be placed as homogeneously as possible to facilitate accurate compaction and moisture testing.
3. Definition for materials
   A. "Organic material" is defined as material having an organic content in excess of 8% or as determined by the project owner's engineer.
   B. Topsoil shall be friable and loamy (loam, sandy loam, silt loam, sandy clay loam, or clay loam).
      B.1. Sand content shall generally be less than 70% by weight.
      B.2. Clay content shall generally be less than 35% by weight.
      B.3. Organic soils, such as peat or muck, shall not be used as topsoil.
   C. Topsoil shall be relatively free from large roots, weeds, brush, or stones larger than 25 mm (1 inch). At least 90% shall pass the 2.00 mm (no. 10) sieve.
   D. Topsoil ph shall be between 5.0 and 8.0. Topsoil organic content shall not be less than 1.5% by weight. Topsoil shall contain no substance that is potentially toxic to plant growth.
   E. "Existing on-site material within moisture content limits" is defined as material of such a quality that the specified compaction can be met without any additional work other than "densifying" with a roller. Scarification and drying of this material will not need to be done prior to compaction.
   F. "Existing on-site material NOT within moisture content limits" is defined as material with a high moisture content that can not meet specified compaction requirements without scarification and drying, chemical stabilization, etc. of this material prior to compaction.
   G. "Unsuitable material" is defined as any materials that:
      G.1. Cannot be utilized as "topsoil" (organic) for landscape areas.
      G.2. Cannot be utilized as "engineered fill" regardless of moisture content and / or does not structurally meet the standards of the project owner's engineer's recommendations for "engineered fill".
      G.3. Can be defined as natural materials or materials from "demolition" and / or excavated areas (i.e., materials that would not be suitable for "engineered fill").
   H. "Off-site material" is defined as any materials that are brought from any area not indicated on this plan set.
   I. "Trench backfill" shall be defined as any materials used for the purposes of backfilling any trench and / or any excavation requiring backfilling. Refer to "Standards for fill areas" to determine acceptable materials and procedures.
   J. The term "stripping" or "strip" as used herein shall be defined as the removal of all "organic materials" from a given area. The term "organic materials" is defined as material having an organic content over 8% based on ASTM D2974, or as defined by the owner's engineer.
4. Standards for cut areas:
   A. A "cut area" is defined as any area where "engineered fill" is not required to bring the site to design subgrade elevation. Instead, excavation or "cutting" is required to achieve design subgrade elevation ("engineered fill" being defined as any material being "offsite material").
   B. In "cut areas" the site contractor shall perform one of the following procedures at the discretion and in the presence of a representative of the owner's engineer and the project architect:
      B.1. For exposed building or parking lot subgrades consisting primarily of granular soils, the exposed subgrade should be compacted / densified by at least one (1) pass of a smooth-drummed vibratory roller having a minimum gross weight of 10 tons.
      B.2. For exposed building or parking lot subgrades consisting primarily of cohesive soils, the exposed subgrades should be proof-rolled with a fully-loaded six-wheel truck having a minimum gross weight of 25 tons. The maximum allowable deflection under the specified equipment shall be 1/2".
   C. In the event that adequate stability of granular soils subgrades cannot be achieved by the procedures as outlined in item 1 above, or that deflections greater than 1/2" are observed during the "proof rolling" of cohesive soils subgrades (as outlined in item 2 above) additional corrective measures will be required. These measures could include, but not necessarily be limited to, scarification, moisture conditioning, re-compaction, undercutting and replacement with engineered fill or crushed stone (with or without geotextiles), or chemical stabilization.
   D. It shall be considered as part of the scope of these documents (and thus part of this contractor's responsibility) to perform scarification and drying of the subgrade per Wisconsin Department of Transportation (WisDOT) standards (scarify a 16" depth for 3 days). If this does not work then additional drying measures shall be an extra to the contract.
   E. Any proposed corrective measures by the contractor should be reviewed by the owner's engineer and the project architect. In the event that in the opinion of the owner's engineer and / or the project architect proof rolling is not a good indicator of the subgrade stability, an alternative method shall be specified by the owner's engineer and / or the project architect.
5. Standards for fill areas:
   A. A "fill" area is defined as any area where material is required to adjust the existing elevation to a proposed subgrade elevation (these areas require installation of "engineered fill" to achieve design subgrade elevation). "Engineered fill" material can be defined as either "granular soil" or "soil" that is either from the construction site or is "offsite material". Materials having their origin from the construction site is referred to as "borrow". The composition and the compaction standards of the engineered fill for this project will be specified by owner's engineer and the project architect.
   B. In "fill" areas, "borrow" materials are allowed to be utilized as engineered fill such that the site contractor compacts the "borrow" areas to the specified compaction.
6. Compaction standards (for engineered fill and back filled areas)
   A. Prior to placement of fill in areas below the design grade, the exposed subgrade should be observed by a representative of the owner's engineer to evaluate that adequate stripping has been performed. Additionally, the proof rolling or compacting procedures outlined in the "standards for cut areas" section of these notes should be performed. It is typical practice to proof roll (and densify if necessary) exposed subgrades prior to filling. If soft or unstable subgrades are observed, these areas should be stabilized or undercut. Minimum compaction standards are based upon a percentage of the fill or backfill material's maximum standard proctor dry density (ASTM D698). All engineered subgrades should meet the following minimum compaction:
      A.1. Areas under foundations bases:
         A.1.A. 95% standard proctor for all fill placed below foundation base elevation in the building area.
      A.2. Areas under floor slabs and above foundations/footing bases:
         A.2.A. 90% standard proctor for all fill placed more than 12 inches below final grade for support of floor slabs and above foundation base elevation in the building area.
         A.2.B. 95% standard proctor for fill placed in the upper 12 inches of design subgrade below slabs. The granular fill under the floor slab should be compacted to a minimum of 95% standard proctor.
      A.3. Areas under pavement sections:
         A.3.A. 90% standard proctor for all fill placed more than 12 inches below passenger car pavement sections and 95% standard proctor for the top 12 inches.
      A.4. Landscaped areas:
         A.4.A. 90% standard proctor for all fill placed in landscape areas. These areas should be brought to grade with "topsoil" to a depth of 12 inches in areas to be seeded, 6 inches in areas to be sodded, and 24 inches for all interior curbed landscape islands.
      A.5. Base course portion of pavement sections:
         A.5.A. 95% standard proctor for all base course materials that are part of a "pavement section".
   B. The option of utilizing the modified proctor (ASTM D1557) in lieu of the specified standard proctor (ASTM D698) shall be at the discretion of the general contractor, contingent upon written approval by the architect and owner's engineer.
   C. All backfill and fill materials shall be placed in lifts not greater than 8" in loose depth. Before compacting, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to required percentage of maximum density of the area.
7. Finish grading:
   A. The term "finish grading" as used herein shall be defined as that condition that areas not receiving a finish product such as parking areas, driveways, roadways, sidewalks, etc. Finish graded areas would generally be those areas receiving "landscaping" such as seed, sod, trees, bushes, mulch, etc.
   B. The site contractor is responsible for "finish grading" all areas within the perimeter of the "construction site". The definition of the "construction site" is the area encompassing all disturbed areas that were disturbed as a result of the construction process relating to the general contract of which this site contract was part of.

GENERAL PAVING NOTES

1. All pavement shall be constructed in accordance with the following:
   A. Concrete pavement shall be constructed in accordance with the Wisconsin Department of Transportation (WisDOT) (Standard Specifications), latest edition, including all updates and standards thereto.
   B. Standards and requirements of the City of Madison, WI.
   C. Additional details and requirements provided in the contract documents, including this plan set.
2. All proposed pavement areas shall be stripped of all topsoil and unsuitable material and excavated or filled to within 0.10 feet of design subgrade.
3. The subgrade of pavement areas shall be free of all unsuitable material and shall be compacted to a minimum 98 percent of Standard proctor density.
4. The subgrade shall be proof rolled and inspected prior placing base material. Inspection and approval of the subgrade and subbase by the City of Madison, WI is required for any public improvements under the City of Madison, WI's jurisdiction. Notify the engineer at least 48 hours prior to finished subgrade preparation.
5. The earthwork contractor shall be responsible for removal of spoil material from the underground contractors, preparing the roadway subgrade, proof rolled, placing topsoil to a minimum depth of 3 inches to finished grade in the parkways areas only, grading of drainage swales, and all other tasks as directed by the owner or engineer.
6. The quantities contained in these documents are approximate and estimated, and are presented as a guide to the contractor in determining the scope of work. It is the Contractor's responsibility to determine all quantities and to become familiar with the site and soil conditions.
7. The paving Contractor is responsible for the final subgrade preparation, proof rolling, the pavement base, binder, and surface, and all final clean-up and related work associated with the paving operation.
8. The proposed pavement shall be of the type and thickness as specified in the engineering drawings, and constructed in strict conformance with the previously referenced WisDOT standard specifications and the City of Madison, WI.
9. Areas of deficient paving, including compaction, smoothness, thickness, and asphalt mixture, shall be delineated, removed, and replaced in compliance with Specifications requirements unless corrected otherwise as directed and approved by the owner.
10. Field quality control tests specified herein will be conducted by the owner's Independent Testing Laboratory (ITL) at no cost to the contractor. Any testing and inspection resulting from the requirements of necessary permits by the City of Madison, WI or the State of Wisconsin shall be at the contractor's expense. The contractor shall perform additional testing as considered necessary by the contractor for assurance of quality control. Retesting required as a result of failed initial tests shall be at the contractor's expense.
   A. Field testing, frequency, and methods may vary as determined by and between the owner, the ITL and the City of Madison, WI.
   B. Testing shall be performed on finished surface of each asphalt concrete course for smoothness, using 10'_0" straightedge applied parallel with, and at right angles to centerline of paved area. The following tolerances in 10 ft shall not be exceeded: Base Course Surface: 1/4-inch, Wearing Course Surface: 1/8-inch.
   C. No ponding shall occur on paved surfaces. Refer to "General Notes" in this plan set.

DEMOLITION NOTES

1. The contractor shall be responsible for the demolition and removal of all items that impede the proper placement of any items proposed by this plan set.
2. The removal work shall include but not be limited to: obtaining all demolition permits required, removal of the existing trees, sealing of the existing water well(s), removal any septic system or dry wells (if any) and other items to complete the removals.
3. The contractor shall remove all materials deemed unsuitable by the engineer within eight inches of the proposed building footprint to the depth that such unsuitable materials exist. Voids shall be filled in accordance with the "Earthwork Notes" on this plan sheet.
4. Tree removal shall include the complete removal of all trees as indicated in the plan set.
5. The contractor shall coordinate disconnection, removal, and relocation of the existing utilities with the appropriate utility companies. The contractor shall be responsible for all fees that are levied by utility companies in conjunction with demolition and removal of existing utilities.
6. Disposal of all materials shall comply with all local, state, and federal regulations. All waste material shall be disposed of off-site. The contractor shall be responsible for the removal of all materials from the site, including all associated permits and regulatory requirements.
7. The contractor shall be familiar with the appropriate specifications for well abandonment, materials, procedures, and access to equipment required to properly seal wells (if any). The contractor shall be responsible to obtain, complete, and file the appropriate forms through the City of Madison, WI and the Wisconsin Department of Natural Resources (WDNR).
8. The contractor shall maintain all existing utility services to adjacent lots. Interruption of services to adjacent lots shall not occur without proper approval. A minimum of 48 hours notice shall be given to the property owners prior to the connection of the new services. The contractor shall be responsible for costs associated with the connection of temporary utility services, if required, to facilitate construction staging.
9. The contractor shall ensure that all existing parking, sidewalks, drives, etc., are free and clear of any construction activity and / or excavated and hauled material to ensure easy and safe pedestrian and vehicular traffic to and from adjacent sites.
10. The contractor shall perform a full-depth saw cut along the perimeter of pavement removal that abuts existing pavement that is to remain.
11. Any damage sustained by items that are to remain in place shall be repaired or replaced to the owner's satisfaction at no cost to the owner.

STORM SEWER NOTES

1. Storm sewer shall be constructed in accordance with the following:
   A. All applicable state and local storm sewer codes (but not limited to State of Wisconsin Facility Development Manual)
   B. Concrete pavement shall be constructed in accordance with the Wisconsin Department of Transportation (WisDOT) (Standard Specifications), latest edition, including all updates and standards thereto.
   C. Standards and requirements of the City of Madison, WI.
   D. Additional details and requirements provided in the contract documents, including this plan set.
   Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.
2. Material Specifications. All storm sewer system elements shall conform to the following specifications:
   A. Sewer Pipe. All storm sewer pipe shall be HDPE unless otherwise specifically noted in this plan set. All sewer pipe shall meet the requirements of Section 608 Storm Sewers of the Wisconsin Department of Transportation's Standard Specifications.
      a. Corrugated polyethylene pipes--AASHTO M294 S
      b. Sump pump service connection and storm sewer extension (4" and 6")--ABS sewer pipe or PVC sewer pipe ASTM D2751, SDR35, or ASTM D3034, SDR35, respectively.
      c. Concrete sewer pipe (10" diameter and smaller), minimum Class 3, ASTM C14.
      d. Reinforced concrete pipe (12" diameter and larger), circular reinforcement, minimum Class 3, wall B, ASTM C76.
      e. Reinforced concrete arch culvert pipe--double line reinforcement, minimum Class 3, ASTM C506.
      f. Reinforced concrete elliptical culvert pipe--minimum Class HE-III or VE-III, ASTM C507.
      g. PVC underdrain pipe (4" and 6")--ASTM D2729, SDR35.
      h. Galvanized corrugated steel culvert pipe AASHTO M246, Type B, minimum wall thickness 14 gauge (shall only be used for culverts).
   B. Sewer Pipe Joints.
      a. ABS pipe--ASTM C443.
      b. PVC pipe--ASTM D3212, push-on type, except underdrain pipe which shall have solvent welded joints.
      c. Reinforced concrete pipe--ASTM C443 ("O" ring).
      d. Reinforced arch or elliptical pipe--ASTM C877.
   C. Casing Pipes. Steel pipe--ASTM A120, 3/8" minimum thickness.
   D. Manholes and Catch Basins.
      a. Precast reinforced concrete--ASTM C478.
      b. Size:
         b.1. For sewer eighteen inches in diameter or less, manhole shall have a forty-eight inches inside diameter.
         b.2. For sewer twenty-one to thirty-six inches in diameter, manhole shall have a sixty inch inside diameter.
         b.3. For sewer greater than thirty-six inches in diameter, manhole shall have an offset riser pipe of forty-eight inches inside diameter.
      c. Adjustment: No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed.
      d. Pipe and frame seals: All pipe connection openings shall be precast with resilient rubber watertight pipe to manhole sleeves or seals. External flexible watertight sleeves shall also extend from the manhole cone to the manhole frame.
      e. Bottom sections: All bottom sections shall be monolithically precast including bases and invert flowlines.
   E. Inlets.
      a. Precast reinforced concrete--ASTM C478 and ASTM C443.
      b. Size: Inlets shall have a twenty-four inch inside diameter and a maximum depth of four feet.
      c. Adjustment: No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed.
      d. Only one pipe connection is allowed, and it shall be precast with resilient rubber watertight pipe to manhole sleeves or seals. External flexible watertight sleeves shall also extend from the manhole cone to the manhole frame.
      e. Bottom sections: All bottom sections shall be monolithically precast including bases and invert flowlines.
   F. Castings (Unless otherwise noted within the plans)
      Manhole frame and cover--Use area inlet as listed below unless specified as a "closed lid" in this plan set. Closed lid frame and covers shall be Neenah No. R-1772-C embossed "STORM SEWER".
      a. Manhole steps--Neenah No. R-1981-I.
      b. Six inch curb and gutter inlet--Neenah No. R-3032.
      c. Yard inlet--Neenah No. R-2579.
      d. Parking lot inlet--Neenah No. R-2450.
   G. Crushed Granular Bedding: Crushed gravel or crushed stone course aggregate--ASTM C33, Size No. 67.
3. All end sections 24" and greater shall come equipped with trash grate and toe block in compliance with Wisconsin Department of Transportation standard.
4. Inspect pipe for defects and cracks before being lowered into the trench, piece by piece. Remove and replace defective, damaged or unsound pipe or pipe that has had its grade disturbed after laying. Protect open ends with a stopper to prevent earth or other material from entering the pipe during construction. Remove dirt, excess water, and other foreign materials from the interior of the pipe during the pipe laying progress.
5. Install pipe in accordance with manufacturer's written recommendations.
6. Commence installation at the lowest point for each segment of the route. Lay RCP with the groove or bell end up-stream.
7. Lay pipe to the required line and slope gradients with the necessary fittings, bends, manhole, risers and other appurtenances placed at the required location as noted on Drawings.
8. All storm sewers under and within two feet of any existing or proposed pavement shall be backfilled with granular backfill material meeting Wisconsin standard specifications (WisDOT 17 Spec - Section 209/AASHTO T27).
9. Compact backfill to 98 percent of maximum density in accordance with ASTM D698, (or 95 percent of maximum density, in accordance with ASTM D1557) obtained at optimum moisture as determined by AASHTO T180.
10. Do not backfill trenches until required tests are performed and utility systems comply with and are accepted by applicable governing authorities.
11. Backfill trenches to contours and elevations shown on the drawings.
12. As per State of Wisconsin statutes SPS 382.30(11)(h), SPS 382.36(7)(d)10.a, and SPS 382.40(8)(k), a means to locate buried underground exterior non-metallic sanitary and storm sewers/mains and water services/mains must be provided with tracer wire or other methods in order to be located with the provisions of these code sections as per 182.0715(2r) of these statues.
13. As per State of Wisconsin 384.30(3)(c), storm sewer building pipes shall conform to on of the standards listed in Table 384.30-6.

WATER UTILITY NOTES

1. Water mains and services shall be constructed in accordance with the following:
   A. "Department of Safety and Professional Services (SPS), Chapter 382 Design, Construction, Installation, Supervision, Maintenance and Inspection of Plumbing" (State of Wisconsin), dated December 2015, and all revisions and supplements thereto.
   B. All applicable state and local plumbing codes.
   C. Additional details and requirements provided in the contract documents, including this plan set.
   D. City of Madison, WI watermain codes.
   Where criteria of the aforementioned specifications conflict, the more stringent criteria shall be implemented.
2. Contact all public and private utility companies 48 hours prior to any excavation. Cost of replacement or repair of existing utilities damaged as a result of the contractor's operation shall be the contractor's responsibility.
3. All water main and service pipe greater than 2" in diameter shall be Ductile Iron Pipe in accordance with C151, Class 52 in accordance with AWWA standard C150 and C104. Fittings shall comply with AWWA C110. Joints--mechanical and push-on shall comply with AWWA C111.
4. The minimum cover for all water main and water service pipe is 6' from finished grade to top of pipe.
5. All water mains under and within two feet of any existing or proposed street pavement or curb shall be backfilled with WisDOT approved granular backfill material. Trench and backfill shall be placed in lifts not to exceed 12" compacted to 95% of maximum Standard proctor density.
6. All valves shall be butterfly Mueller model B3211-20 or gate Mueller model A-2370-20 valves with mechanical joints, resilient seat wedge type, with cast iron body, bronze mounted, bronze non-rising stem, double disc pattern, designed for 300 pounds working pressure meeting AWWA Standard C509. All valves shall open left.
7. Water main separation from storm and sanitary sewer shall conform to Wisconsin Administrative Code Chapter NR 811.
8. The water service pipe shall be 2.0" Type K Copper tubing.
9. Connections to Existing Mains. All connections to the City of Madison, WI water distribution system shall be made under full water service pressure unless otherwise approved by the City of Madison, WI Engineer at locations approved by the City of Madison, WI Engineer.
10. Pressure Test.
   A. As part of the construction, the water mains shall be pressure tested in accordance with Wisconsin standard specifications.
   B. All newly laid pipe shall be subjected to a hydrostatic pressure of 150 pounds per square inch. Duration of each pressure test shall be for a period of not less than two hours. Each valved section of pipe shall be filled with water and the specified test pressure shall be applied by means of a pump connected to the pipe.
   C. Before applying the specified test pressure, all air shall be expelled from the pipe. All leaks shall be repaired until tight. Any cracked or defective pipes, fittings, valves, or hydrants discovered in consequence of this pressure test shall be removed and replaced and the test repeated until satisfactory results are obtained.

All testing shall be done after the installation of service lines. Suitable means shall be provided for determining the quantity of water lost by leakage under the specified test pressure in accordance with Wisconsin Administrative Code Chapter NR 811.

15. Disinfection.
   A. Water from the existing distribution system or other source of supply shall be controlled so as to flow slowly into the newly laid pipeline during the application of chlorine gas. The rate of chlorine mixture flow shall be in such proportion to the rate of water entering the pipe that the chlorine dose applied to the water entering the newly laid pipe shall be at least forty to fifty ppm, or enough to meet the requirements during the retention period. This may require as much as one hundred ppm of chlorine in the water left in the line after chlorination.
   B. Valves shall be manipulated so that the strong chlorine solution in the line being treated will not flow back into the line supplying the water.
   C. Treated water shall be retained in the pipe long enough to destroy all spore-forming bacteria. This retention period shall be at least twenty-four hours. After the chlorine-treated water has been retained for the required time, the chlorine residual at the pipe extremities and at other representative points should be at least ten ppm.
   D. In the process of chlorinating newly laid pipe, all valves or other appurtenances shall be operated while the pipeline is filled with the chlorinating agent.
   E. All water mains and services shall be disinfected and tested according to the requirements of the Standards for Disinfecting Water Mains, AWWA C601. All disinfection shall be performed by an independent firm exhibiting experience in the methods and techniques of this operation, and shall be approved by the City of Madison, WI.
17. Final Flushing and Testing.
   A. Following chlorination, all treated water shall be thoroughly flushed from the newly laid pipeline at its extremities until the replacement water, throughout its length shall, upon test, be approved as safe water by the City of Madison, WI Engineer. This quality of water delivered by the new main should continue for a period of at least two full days as demonstrated by laboratory examination of samples taken from a tap located and installed in such a way as to prevent outside contamination. Samples should never be taken from an unsterilized hose or from a fire hydrant, because such samples seldom meet current bacteriological standards.
   B. After disinfecting and flushing, water samples shall be collected by the contractor on two successive days, with notice given, so that the collection may be witnessed by the City of Madison, WI. Bacteriological sampling and analysis of the samples shall be performed by a laboratory approved by the Wisconsin Department of Public Health and the City of Madison, WI. Should the initial treatment result in an unsatisfactory bacterial test, the procedure shall be repeated until satisfactory results are obtained. The contractor or developer shall pay for the sampling and analysis. Results of the analysis shall be transmitted by the laboratory directly to the City of Madison, WI Engineer. Test results shall indicate the date the sample was collected, the date the analysis was made, the exact locations at which samples were taken, the firm submitting the sample, and the project at which the samples were collected. Sufficient samples shall be collected in order to insure that the system is bacteriologically safe.
18. Record Drawings are required by the City of Madison, WI. The Contractor shall record measurements from property pins to the centers of the valve lids and curb boxes. Each measurement shall be parallel or perpendicular to the property line.
19. Any areas where solid rock is encountered when laying the water main, approved bedding material shall be used.
20. As per State of Wisconsin SPS 382.40(8)(b), exterior water supply piping setbacks and crossings shall be in accordance with sud. 2 to 7.
21. As per State of Wisconsin SPS 384.30(4)(d), materials for water service and private water mains shall conform to one of the standards listed in Table 384.30-7.

PAVEMENT MARKING NOTES

1. Apply two (2) coats for all pavement markings.
2. Material description: a fast drying, high hiding marking paint for concrete, brick and bituminous surface. This product has been designed for painting centerlines and edgelines of highways, City crosswalks and stop zones, parking lots, traffic aisles, etc. Do not apply to in temperatures below 50 F.

ARC DESIGN RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10.----	----
11.----	----
12.----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

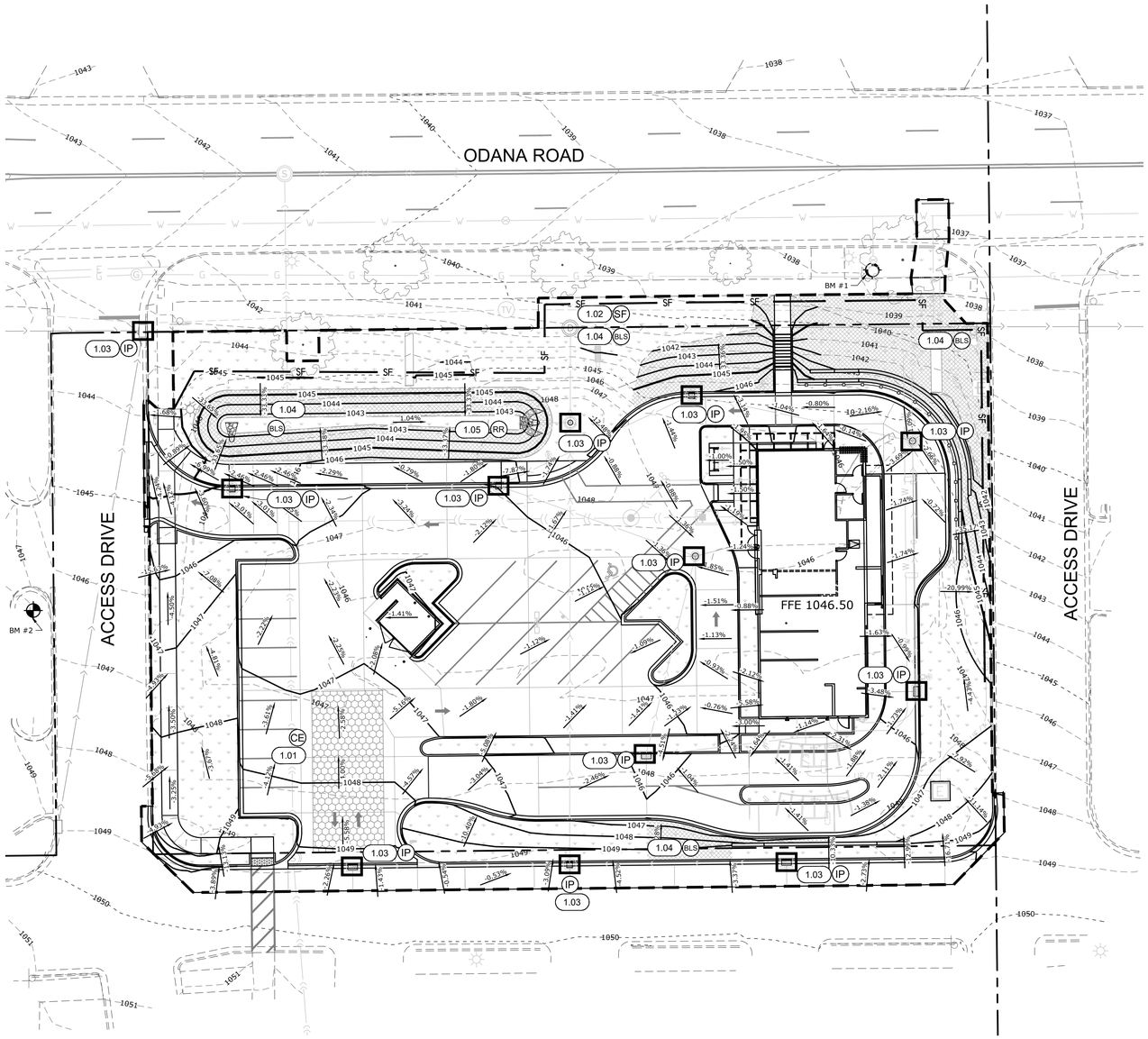
GENERAL NOTES

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

C01



LEGEND

SEE SITE PLAN SET FOR EXISTING SYMBOLS

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- APPROXIMATE LIMITS OF GRADING
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- 800 PROPOSED CONTOUR LINE
- 800 EXISTING CONTOUR LINE
- PROPOSED CURB AND GUTTER
- PROPOSED CATCH BASIN OR MANHOLE
- PROPOSED FLARED END SECTION
- 1.6% DIRECTION OF OVERLAND FLOW AND SLOPE
- LANDSCAPED AREA
- X.XX SEE SPECIFIC KEY NOTE ON THIS SHEET

EROSION CONTROL LEGEND

- 1.01 CE TEMPORARY STONE CONSTRUCTION EXIT
- 1.02 SF TEMPORARY SILT FENCE
- 1.03 IP CIP INLET PROTECTION PER STRUCTURE TYPE
- 1.04 BLS SHORT TERM SLOPE EROSION CONTROL BLANKET DURING CONSTRUCTION ACTIVITIES
- 1.05 RR PERMANENT RIP RAP PAD - SEE CITY OF MADISON ENGINEERING DETAIL 5.4.4 RIP RAP AT APRON ENDWALLS

EROSION CONTROL REFERENCE NOTES

1.01 SEE CITY OF MADISON ENGINEERING STANDARD DETAIL DRAWING 1.07 CONSTRUCTION ENTRANCE ON SHEET C12 - CITY OF MADISON DETAILS. THE CONSTRUCTION EXIT SHALL BE A MINIMUM OF 12' IN WIDTH AND 50' FEET IN LENGTH FROM EXISTING PAVED SURFACE. ALL CONSTRUCTION TRAFFIC MUST UTILIZE CONSTRUCTION EXITS PER DETAIL TO ACCESS THE PUBLIC ROAD. DURING CONSTRUCTION, THE CONSTRUCTION EXITS MAY BE SHIFTED AT THE CONTRACTOR'S DISCRETION TO FACILITATE GRADING OPERATION. EXIT MUST TERMINATE AT EXISTING PAVED SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE RUNOFF FROM THE CONSTRUCTION EXIT IS DIRECTED BACK TOWARD THE SITE OR THAT THE RUNOFF IS CLEAR OF SEDIMENT.

1.02 SEE WISDOT SILT FENCE DETAIL SDD 8E9-6 AND INCLUDED ON SHEET C14 - WISDOT DETAILS.THE CONTRACTOR MAY PERMANENTLY REMOVE ANY PORTION OF THE PERIMETER SILT FENCE AFTER ESTABLISHMENT OF FINAL GRADE AND/OR FINAL STABILIZATION RENDERS THE RESPECTIVE PORTION OF THE PERIMETER SILT FENCE UPSTREAM OF A DISTURBANCE AND/OR INEFFECTIVE AS A BEST MANAGEMENT PRACTICE. ANY SUCH REMOVAL SHALL BE NOTED ON THE EROSION CONTROL SITE MAPS ALONG WITH UPSTREAM STABILIZATION AND GRADING CONDITIONS.

1.03 SEE WISDOT INLET PROTECTION TYPE A, B, C, AND D DETAIL SDD 8E10-2 OR SDD 8E8-3 AND INCLUDED ON SHEET C14 - WISDOT DETAILS OR CITY OF MADISON ENGINEERING STANDARD DETAIL 1.11 RIDIG FRAME INLET PROTECTION ON SHEET C12 - CITY OF MADISON DETAILS. NO STRUCTURE SHALL BE ALLOWED TO BE PROTECTED WITH ANY MEASURE OTHER THAN THOSE DETAILED IN THIS SWPPP SITE MAP FOR MORE THAN 48 HOURS OR IF RAIN IS IMMINENT. STRUCTURES THAT WILL NOT RECEIVE A CASTING WITHIN 48 HOURS OF INSTALLATION SHALL RECEIVE INLET PROTECTION. UPON INSTALLATION OF THE GRATE, INLET PROTECTION SHALL BE INSTALLED RESPECTIVE TO THE TYPE OF GRATE. STRUCTURES WITH CLOSED LIDS WILL NOT REQUIRE PROTECTION FOLLOWING INSTALLATION OF LID. CONTRACTOR SHALL NOTE TIME STRUCTURE INSTALLATION (AND PROTECTION INSTALLATION, INCLUDING TYPES OF PROTECTION) ARE EMPLOYED. WHENEVER PIPE INSTALLATION IS HALTED FOR MORE THAN 24 HOURS OR WHEN RAIN IS IMMINENT, THE OPEN END SHALL BE PROTECTED WITH A TEMPORARY BULK HEAD. A 3/4" SHEET OF PLYWOOD THAT EXTENDS 6" BEYOND THE OUTSIDE DIAMETER OF THE PIPE SHALL BE PLACED AGAINST THE EXPOSED PIPE END. GRAVEL SHALL BE PLACED AGAINST THE PLYWOOD IN SUFFICIENT QUANTITY SO AS TO ENSURE THE TIGHTEST POSSIBLE SEAL. THE TRENCH SHALL BE DEWATERED PRIOR TO REMOVING THE BULKHEAD.

1.04 SEE CITY OF MADISON ENGINEERING STANDARD DETAIL DRAWING 1.02 EROSION MAT ON SHEET C12 - CITY OF MADISON DETAILS. SHORT TERM EROSION CONTROL FABRIC SHALL BE APPLIED TO ALL SLOPES 4:1 OR STEEPER THAN 4:1 PRIOR TO PERMANENT SEEDING. FOLLOW MANUFACTURER SPECIFICATIONS FOR INSTALLATION. CONTRACTOR SHALL NOTE ALL AREAS WHERE EROSION MAT HAS BEEN INSTALLED RELATIVE TO ASBUILT GRADES AND FURNISH THESE BOUNDARIES TO THE CIVIL ENGINEER UPON REQUEST. PERMANENT SEEDING SHOULD BE PLANTED AS SOON AS IT IS PRACTICAL TO ENSURE PROPER GERMINATION PRIOR TO TERMINATION OF PERMIT COVERAGE. THE CONTRACTOR SHALL PLANT PERMANENT SEEDING AS SPECIFIED ON THE LANDSCAPING PLAN AS SOON AS FINAL BASIN GRADES ARE ESTABLISHED AS SPECIFIED ON THE GRADING PLAN. SEE SITE LANDSCAPING PLAN FOR EXACT GROUND COVER TYPE AND LOCATION.

1.05 SEE CITY OF MADISON ENGINEERING STANDARD DETAIL DRAWING 5.4.4 RIP RAP AT APRON ENDWALLS ON SHEET C13 - CITY OF MADISON DETAILS.

STORMWATER OUTFLOW CONTRIBUTING AND RECEIVING WATERS

FROM SITE - DRAINAGE AREA "A" (0.97 ACRES) CONSISTING OF LANDSCAPED AREAS, PAVED AREAS AND ROOF TOP AREAS. ALL FLOWS TREATED BY PERIMETER AND INTERMEDIATE BMP'S AND TRANSPORTED VIA OVERLAND AND STORM SEWER. THIS DRAINAGE AREA ULTIMATELY DRAINS TO THE SOUTHEAST OF THE SITE WHERE IT LEAVES THE SITE VIA UNDERGROUND STORM SEWER IN THE ODANA ROAD RIGHT OF WAY.

TO RECEIVING WATERS - ULTIMATELY CONVEYED TO THE ROCK RIVER.

SITE DESCRIPTION

SITE LOCATION: ADDRESS OR INTERSECTION CORNER IN DANE COUNTY, BEING A PORTION OF THE NORTHWEST ¼ OF SECTION 25, TOWNSHIP 7 NORTH, RANGE 8 EAST, OF THE THIRD PRINCIPAL MERIDIAN.
LATITUDE: 43.05628°
LONGITUDE: -89.50016°

ADJACENT PROPERTIES: THE SITE IS BORDERED BY MULTI-TENANT COMMERCIAL BUILDINGS TO THE NORTH, EAST, AND SOUTH, AND A FAST FOOD RESTAURANT TO THE WEST.

SITE TOPOGRAPHY: THE SITE GENERALLY SLOPES FROM THE SOUTH TO THE NORTH, WITH THE LOWEST POINTS BEING AT THE NORTHEAST CORNER OF THE SITE. THE EXISTING SITE SERVES AS A PARKING AREA WITH ASPHALT PARKING AREAS AND LANDSCAPED AREAS.

RAINFALL INFORMATION: THE TOTAL AVERAGE ANNUAL RAINFALL FOR THE PROJECT AREA IS APPROXIMATELY 36 INCHES.

POST-CONSTRUCTION CONDITIONS: POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 84 (IMPERVIOUS CN = 98, PERVIOUS C = 61).

TOTAL SITE AREA: LIMITS OF SITE = 0.97 AC±
LIMITS OF DISTURBANCE = 1.07 AC±
SITE IMPERVIOUS AREA: 0.60 AC±
SITE LANDSCAPED AREA: 0.37 AC±

ENVIRONMENTAL PERMITS - OTHER THAN NPDES, STORMWATER AND/OR EROSION AND SEDIMENT CONTROL: WETLANDS-NONE

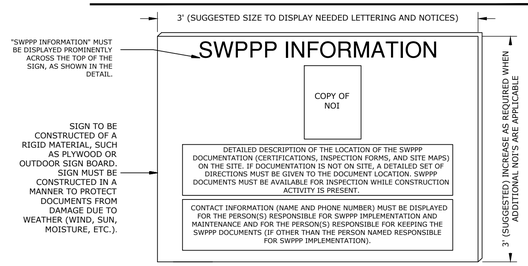
THREATENED AND ENDANGERED SPECIES: THERE ARE NO KNOWN ISSUES RELATED TO THREATENED AND ENDANGERED SPECIES

HISTORICAL PROPERTIES: THERE ARE NO KNOWN ISSUES RELATED TO HISTORICAL PRESERVATION

SEQUENCE OF CONSTRUCTION

1. PLACE SWPPP BOX ON SITE. SWPPP BOX SHALL CONTAIN A COPY OF THE LETTER OF COVERAGE AND ILLINOIS GENERAL PERMIT. SWPPP BOX SHALL CONSIST OF LARGE MAILBOX WITH THE LETTERS "SWPPP" ON THE SIDES. MAILBOX SHALL BY SUPPORTED BY A 4"X4" POST IN A 5-GALLON BUCKET OF CONCRETE, TO ALLOW THE BOX TO BE PORTABLE AND REUSABLE.
2. PREPARE TEMPORARY PARKING AND STORAGE AREA. UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS:TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASONS AREA, FUEL AND MATERIAL STORAGE CONTAINERS, ETC., DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
3. CONSTRUCT THE SILT FENCES ON THE SITE. INSTALL INLET PROTECTION DEVICES IN EXISTING STRUCTURES.
4. DEMOLISH BUILDINGS.
5. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
6. CONSTRUCT TEMPORARY SEDIMENT TRAP AND INSTALL OUTLET CONTROL PROTECTION AND LEVEL SPREADER
7. INSTALL UTILITIES, UNDERDRAINS, AND STORM SEWERS. INSTALL INLET PROTECTION CONCURRENTLY.
8. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
9. PREPARE AREA OF SITE FOR PAVING FOR PARKING AREAS.
10. PAVE AREA OF SITE.
11. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
12. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED.)

SWPPP INFORMATION SIGN



BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

N O R T H
0 20' 30' 40'

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

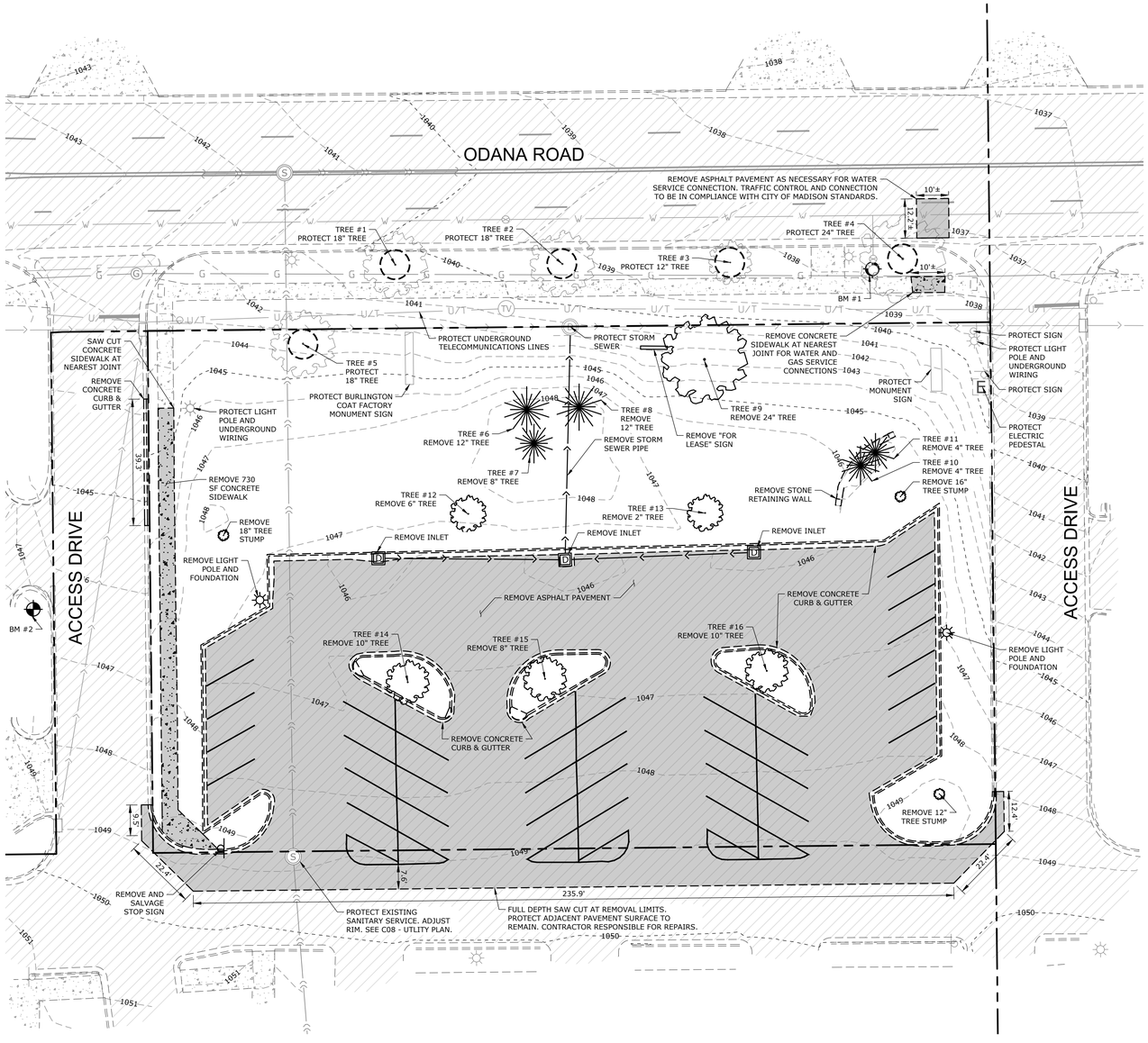
REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE
SWPPP PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER
19055
C02



LEGEND

- PROPERTY LINE
- EXISTING CURB AND GUTTER
- EXISTING CURB AND GUTTER TO BE REMOVED
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT TO BE REMOVED
- EXISTING ROAD STRIPING TO REMAIN
- EXISTING ROAD STRIPING TO BE REMOVED
- EXISTING SANITARY SEWER TO REMAIN
- EXISTING STORM SEWER TO REMAIN
- EXISTING STORM SEWER TO BE REMOVED
- EXISTING WATER MAIN TO REMAIN
- EXISTING GAS MAIN TO REMAIN
- EXISTING UNDERGROUND TELECOMMUNICATIONS LINE TO REMAIN
- EXISTING UNDERGROUND ELECTRIC LINE TO REMAIN
- EXISTING CONTOUR LINE
- EXISTING ASPHALT PAVEMENT TO REMAIN
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING CONCRETE PAVEMENT TO REMAIN
- EXISTING CONCRETE PAVEMENT TO BE REMOVED
- EXISTING FIRE HYDRANT AND VALVE BOX TO REMAIN
- EXISTING GAS VALVE TO REMAIN
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING CABLE PEDESTAL TO REMAIN
- EXISTING ELECTRICAL PEDESTAL TO REMAIN
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- EXISTING STORM SEWER TO REMAIN
- EXISTING STORM SEWER TO BE REMOVED
- EXISTING SANITARY SEWER TO REMAIN
- BENCHMARK
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN AND BE PROTECTED
- TREE TO REMAIN - PROVIDE PROTECTION FENCING

Tree Schedule

TREE #	TREE SPECIES	SIZE (DBH)	CONDITION	SAVE	REMOVE	RECOMMENDATION/NOTES
1	Ash, Green	18"	Good	X		In parkway
2	Ash, Green	18"	Good	X		In parkway
3	Ash, Green	12"	Good	X		In parkway
4	Ash, Green	24"	Good	X		In parkway
5	Honeylocust	18"	Good	X		Lightly prune lower branches
6	Spruce, Blue	12"	Good		X	In development area
7	Spruce, Green	6"	Fair		X	In development area
8	Spruce, Green	12"	Fair		X	In development area
9	Ash, Green	24"	Good		X	In development area
10	Arborvitae	4"	Dead		X	In development area
11	Arborvitae	4"	Good		X	In development area
12	Ash, Green	6"	Good		X	In development area
13	Ash, Green	2"	Good		X	In development area
14	Honeylocust	10"	Fair		X	In development area
15	Maple, Red	8"	Poor		X	In development area
16	Honeylocust	10"	Fair		X	In development area

TREE REMOVAL NOTES

1. Contractor shall verify locations of all underground utilities prior to begining construction on his phase of work. Electric, gas, telephone, and cable television can be located by calling J.U.L.I.E. at '811'. For regional locating, contact "Digger's Hotline". Any damage or interruption of services shall be the responsibility of the contractor. Contractor to coordinate all related activities with other trades on the job and shall report any unacceptable job conditions to owner's representative prior to commencing work.
2. Contractor is responsible for application and cost of all necessary permits (tree removal) and code verifications. Submit copies of all documents to owner, job superintendent, engineer or landscape architect.
3. The removal of all trees noted on plans and related operations shall be organized, overseen and/or completed by a certified arborist or tree removal company that is licensed and bonded with the local municipality.
4. Trees shall be removed in accordance with current arboriculture practices. Tree removal shall be conducted in a manner that protects all surrounding sturctures and preserved trees from damage. All tree stumps shall be ground to a minimum depth of 12" below grade, including crown roots, shavings packed into hole or filled with topsoil and restored with seed and erosion blanket.
5. At no time shall any tree or vegetation be forcibly removed in such a manner that would damage surrounding trees or vegetation, root systems or substructures.
6. All invasive trees and vegetation and species as outlined by local municipality or as noted by engineer, arborist or landscape architect that may not be listed on tree inventory or plans shall be removed from areas as shown.
7. Any non-preservation tree species that may be damaged during construction, or are determinded to be diseased or dead shall be removed.

TREE PRESERVATION NOTES

1. All grading and construction equipment shall be restricted within the protection fencing limits. No excess soil, additional fill, liquids or construction debris shall be placed within the protection fencing limits or root zone of any tree that is noted to be preserved.
2. Crushed limestone, hydrocarbons and other materials detrimental to trees or vegetation shall not be dumped within the protection fencing limits or root zone of any tree not at any higher location where drainage toward the tree could conceivably effect the health of the tree.
3. Appropriate protective fencing shall be temporarily installed for protection of preserved vegetation or trees as shown on plan.
4. All required protective fencing must be in place before any on site construction can begin. The protective fencing must remain in place and be maintained during the entire construction period.
5. The protective fencing material must be a minimum of 4' height and can be plastic mesh, orange preferred (or green), wire or chain-link. All fencing shall be installed to the outer extents of the tree canopy (drip line) or at minimum within the outer 1/3 of the tree canopy. All fencing must be secured to metal posts driven into the ground and spaced no further than 6 feet apart.
6. Fencing must be properly maintained during the entire construction period.
7. No other fencing, wires or attachments, other than those approved materials for bracing, guying or wrapping shall be attached to any tree or vegetation during construction. All reasonable measures necessary to prevent the destruction or damage to trees or plant material (other than those specified to be removed) shall be taken.
8. No grading or earthwork is to occur within the fenced tree protection limits nor is any soil to be removed from within the protective fencing without prior approval of arborist, engineer or landscape architect.
9. If any trees that are noted within or near the areas to be developed will affect more than 1/3 of the root system, the site foreman with approval from an arborist, engineer or landscape architect may remove such trees.

BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

N O R T H
0 20' 30' 40'

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

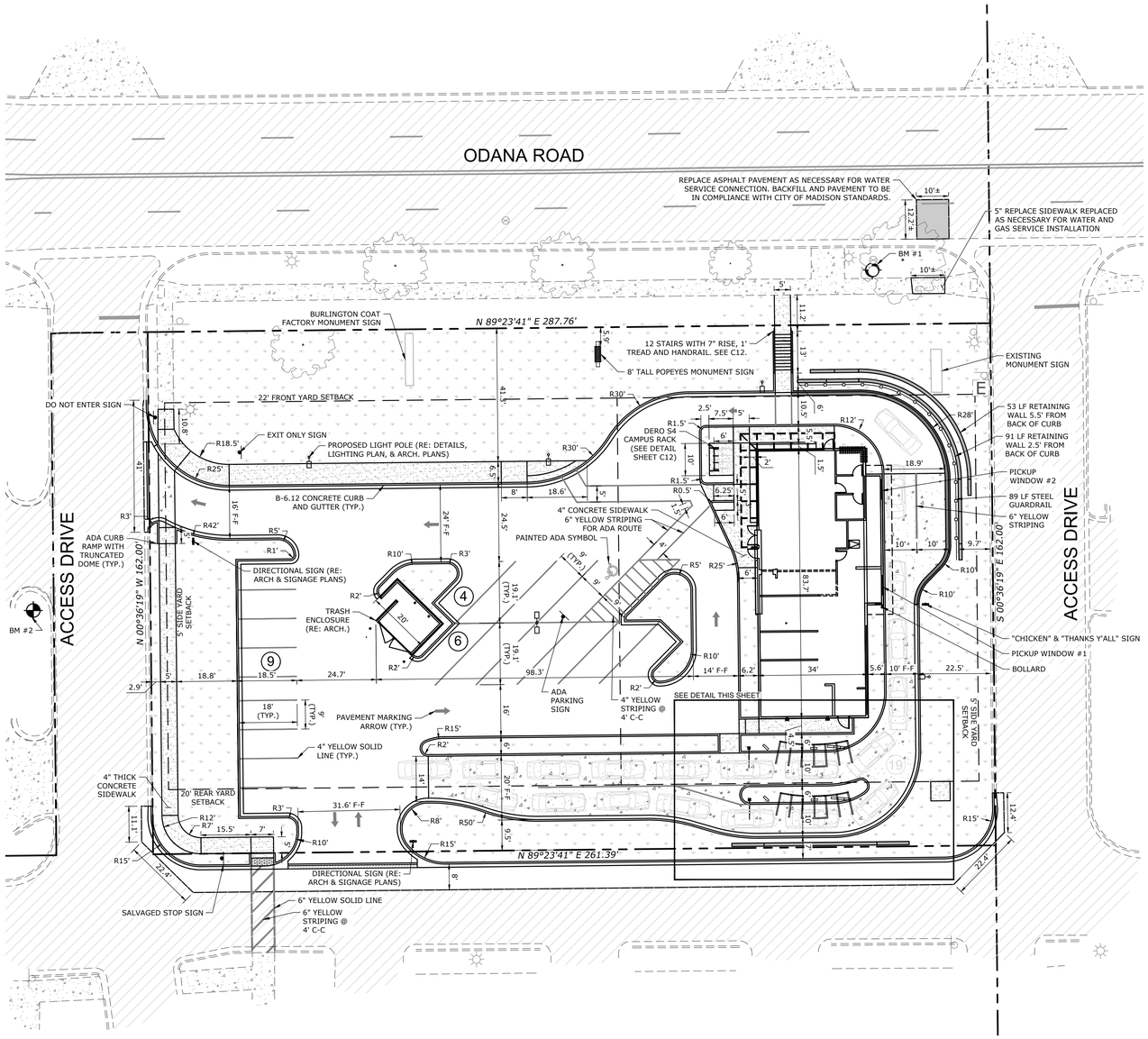
REMOVALS PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

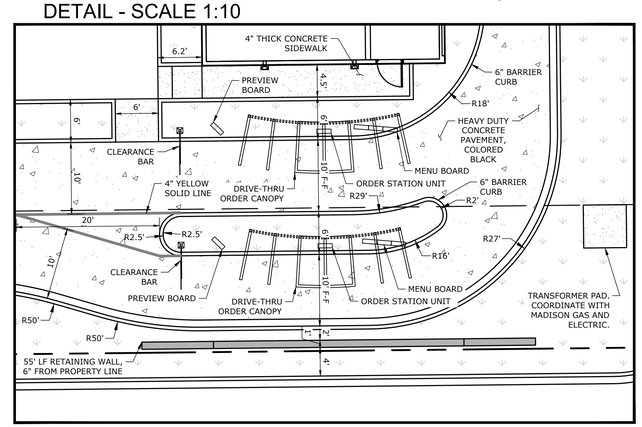
C03



LEGEND

- PROPERTY LINE
- PROPOSED YARD SETBACK LINE
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF PAVEMENT
- PROPOSED CONCRETE CURB AND GUTTER (B-6.12)
- PROPOSED TYPE B-6.12 CONCRETE CURB AND GUTTER (REJECTING)
- PROPOSED DEPRESSED CURB AND GUTTER
- PROPOSED 6" CONCRETE BARRIER CURB
- PROPOSED RETAINING WALL
- PROPOSED GUARDRAIL
- PROPOSED LIGHT POLE (SEE DETAILS, LIGHTING PLAN, AND ARCH. PLANS)
- EXISTING BENCHMARK
- EXISTING LIGHT POLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING SIGN
- PROPOSED PARKING STALLS AND STRIPING
- PROPOSED ADA PARKING SPACE
- NUMBER OF PROPOSED PARKING SPACES IN A ROW
- PROPOSED 4" CONCRETE SIDEWALK
- PROPOSED HEAVY-DUTY CONCRETE PAVEMENT (SEE DETAIL
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT
- PROPOSED LANDSCAPED AREA (SEE LANDSCAPING PLANS)
- EXISTING TREE

DETAIL - SCALE 1:10



LAYOUT NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS, CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
2. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
3. DIMENSIONS THAT LOCATE THE BUILDING ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
4. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
5. COORDINATE WORK WITHIN THE PRIVATE DRIVE AND ADJACENT LOT WITH THE PROPERTY OWNERS. COORDINATE WITH WITHIN THE ODANA ROAD RIGHT OF WAY WITH THE CITY OF MADISON, WI. TRAFFIC CONTROL SHALL CONFORM TO WisDOT STANDARDS FOR WORK WITHIN THE R.O.W.
6. ALL RADII ARE DIMENSIONED TO THE BACK OF CURB.
7. ALL CURB AND GUTTER IS INTEGRAL TO PAVEMENT UNLESS NOTED OTHERWISE. REFER TO THE DETAIL SHEETS FOR CURB DETAILS.
8. SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH ENGINEER PRIOR TO CONSTRUCTION OF WORK.
9. ELECTRICAL CIRCUITRY TO SITE LIGHTING AND MONUMENT SIGN SHOWN ON ARCHITECTURAL PLANS.
10. FOR ALL PAVEMENT REMOVALS, THE MINIMUM WIDTH FROM THE EDGE OF THE CURB TO THE FULL-DEPTH SAW CUT IS 2'.
11. FOR ALL SIDEWALK REMOVALS, SAW CUT AT NEAREST JOINT. LIMITS OF SIDEWALK REMOVAL MAY VARY BASED ON JOINT LAYOUT.
12. FOR ALL PAVEMENT PATCHING WITHIN THE RIGHT OF WAY THE BACKFILL MATERIAL USED SHALL BE CONTROLLED LOW STRENGTH MATERIAL UP TO THE BOTTOM OF THE PAVEMENT. THE THICKNESS OF THE HMA PAVEMENT REPLACEMENT SHALL BE A MINIMUM OF THE SAME THICKNESS AS THE EXISTING PAVEMENT STRUCTURE. THE MIXES USED SHALL BE HMA BINDER AND SURFACE COURSE ACCORDING TO WISDOT AND CITY OF MADISON, WI STANDARDS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION, COORDINATION AND OBTAINING APPROVAL OF A TRAFFIC MANAGEMENT PLAN IF CLOSURES OF LANES EXCEED THE THE CRITERIA ESTABLISHED IN THE BDE MANUAL.

PARKING TABLE

NUMBER OF PARKING STALLS REQUIRED (15% of maximum 70 persons occupancy)	11 (1 - A.D.A.)
NUMBER OF BICYCLE STALLS REQUIRED (5% of maximum 70 persons occupancy)	4
NUMBER OF PARKING STALLS ALLOWED (40% of maximum 70 persons occupancy)	28 (2 - A.D.A.)
NUMBER OF PARKING STALLS PROPOSED	19 (1 - A.D.A.)
NUMBER OF BICYCLE STALLS PROPOSED	4

SITE AREA TABLE

LANDSCAPED AREA	16,117 SF (0.37 AC)
PAVED AREA	23,274 SF (0.53 AC)
GROSS BUILDING FLOOR AREA	2,984 SF (0.07 AC)
TOTAL SITE AREA	42,375 SF (0.972 AC)
% IMPERVIOUS AREA	61.9%

BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

N O R T H
0 20' 30' 40'

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

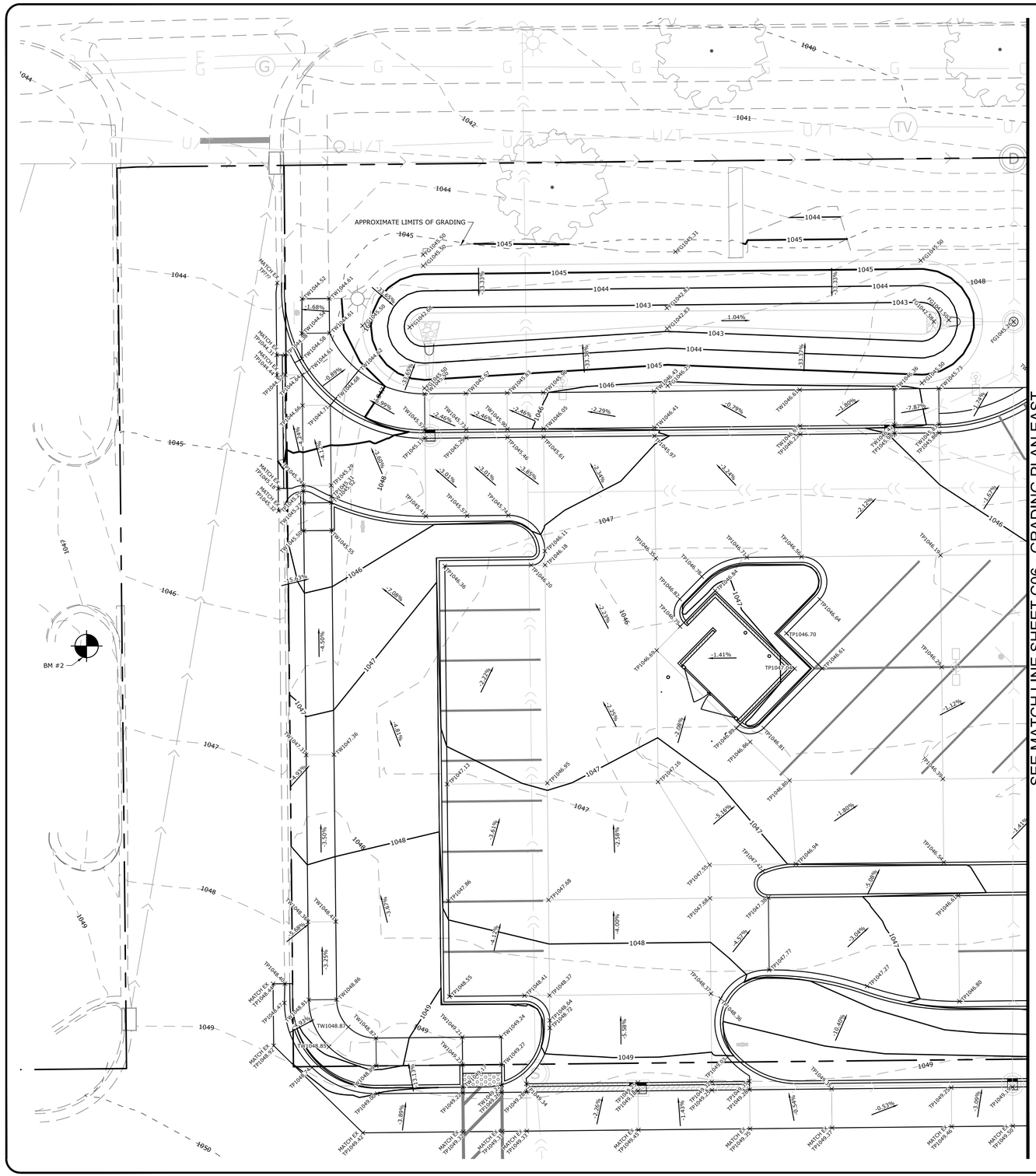
REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE
LAYOUT PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER
19055
C04



LEGEND

- PROPERTY LINE
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF PAVEMENT
- PROPOSED CONCRETE CURB AND GUTTER (B-6.12)
- PROPOSED TYPE B-6.12 CONCRETE CURB AND GUTTER (REJECTING)
- PROPOSED DEPRESSED CURB AND GUTTER
- PROPOSED 6" CONCRETE HEADER CURB
- PROPOSED RETAINING WALL
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE BREAK LINE
- APPROXIMATE LIMITS OF GRADING
- 800 PROPOSED CONTOUR LINE
- 800 EXISTING CONTOUR LINE
- PROPOSED CATCH BASIN OR MANHOLE
- PROPOSED FLARED END SECTION
- 1.6% DIRECTION OF SHEET FLOW
- + TW000.00 TOP OF SIDEWALK ELEVATION
- + MATCH EX TW000.00 MATCH EXISTING TOP OF PAVEMENT ELEVATION
- + TP000.00 TOP OF PAVEMENT ELEVATION
- + MATCH EX TP000.00 MATCH EXISTING TOP OF PAVEMENT ELEVATION
- + FG000.00 FINISHED GRADE ELEVATION
- + TOW000.00 TOP OF WALL ELEVATION
- + BOW000.00 BOTTOM OF WALL ELEVATION
- BENCHMARK

GRADING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL OR VERTICAL CONTROL BY REFERENCING SHOWN COORDINATES OR ELEVATIONS TO HORIZONTAL OR VERTICAL CONTROL POINTS PRIOR TO PROCEEDING WITH WORK.
2. ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SODDED (OR SEEDED WHERE NOTED) AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
3. ALL STORM SEWER PIPE IS TO BE REINFORCED CONCRETE CULVERT PIPE CLASS IV UNLESS OTHERWISE NOTED. WHERE HDPE OR PVC PIPE IS LISTED AS ACCEPTABLE MATERIALS, PVC SDR 35, HDPE DOUBLE WALL (ADS N-12), OR PVC SCHEDULE 40 MAY BE USED AT THE CONTRACTOR'S DISCRETION.
4. THE MAXIMUM SLOPE RATIO ON CUT/FILL SLOPES IS 3.0 HORIZONTAL TO 1 VERTICAL.
5. PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL SET ALL CLEANOUT, MANHOLE AND INLET CASTINGS, FIRE HYDRANTS AND VALVE BOXES TO FINISHED GRADE.
7. ALL PROPOSED PAVED AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
8. THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE CONCLUSION OF EACH WORKING DAY.

BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

NORTH
0 10' 20'

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

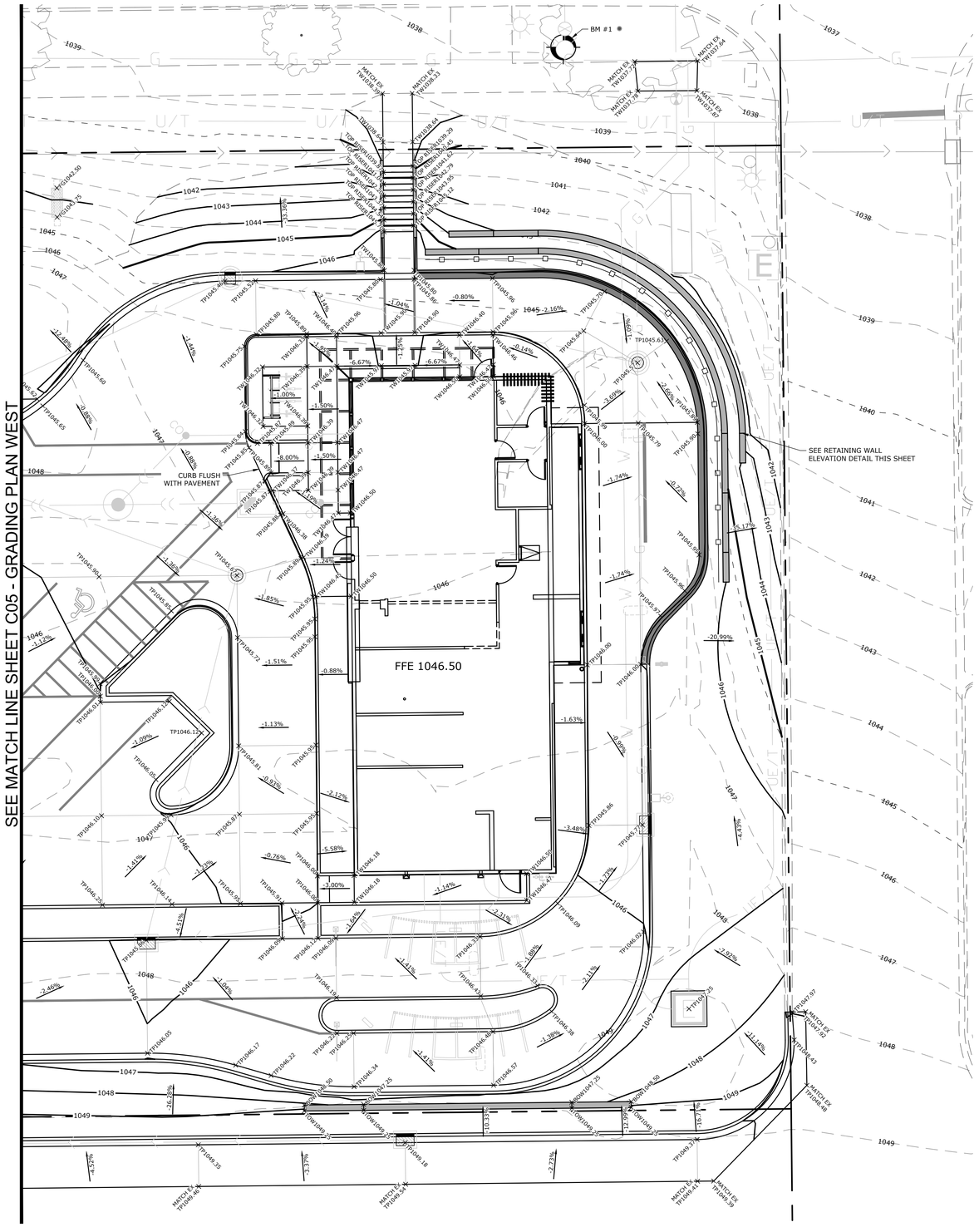
GRADING PLAN
WEST

DRAWN	KG
CHECKED	LND
PM	RCS

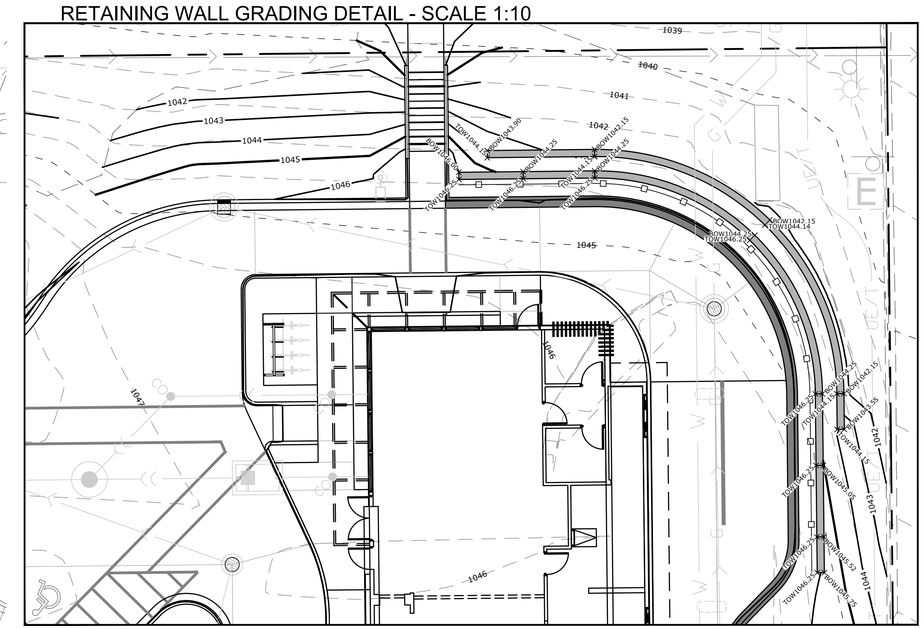
PROJECT NUMBER
SHEET NUMBER

19055

C05



RETAINING WALL GRADING DETAIL - SCALE 1:10



LEGEND

- PROPERTY LINE
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF PAVEMENT
- PROPOSED CONCRETE CURB AND GUTTER (B-6.12)
- PROPOSED TYPE B-6.12 CONCRETE CURB AND GUTTER (REJECTING)
- PROPOSED DEPRESSED CURB AND GUTTER
- PROPOSED 6" CONCRETE HEADER CURB
- PROPOSED RETAINING WALL
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE BREAK LINE
- APPROXIMATE LIMITS OF GRADING
- 800 PROPOSED CONTOUR LINE
- 800 EXISTING CONTOUR LINE
- PROPOSED CATCH BASIN OR MANHOLE
- PROPOSED FLARED END SECTION
- 1.6% DIRECTION OF SHEET FLOW
- TW000.00 TOP OF SIDEWALK ELEVATION
- MATCH EX TW000.00 MATCH EXISTING TOP OF PAVEMENT ELEVATION
- TP000.00 TOP OF PAVEMENT ELEVATION
- MATCH EX TP000.00 MATCH EXISTING TOP OF PAVEMENT ELEVATION
- FG000.00 FINISHED GRADE ELEVATION
- TOW000.00 TOP OF WALL ELEVATION
- BOW000.00 BOTTOM OF WALL ELEVATION
- BENCHMARK

GRADING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING PIPE INVERTS, FLOOR ELEVATIONS CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL OR VERTICAL CONTROL BY REFERENCING SHOWN COORDINATES OR ELEVATIONS TO HORIZONTAL OR VERTICAL CONTROL POINTS PRIOR TO PROCEEDING WITH WORK.
2. ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND SODDED (OR SEEDED WHERE NOTED) AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
3. ALL STORM SEWER PIPE IS TO BE REINFORCED CONCRETE CULVERT PIPE CLASS IV UNLESS OTHERWISE NOTED. WHERE HDPE OR PVC PIPE IS LISTED AS ACCEPTABLE MATERIALS, PVC SDR 35, HDPE DOUBLE WALL (ADS N-12), OR PVC SCHEDULE 40 MAY BE USED AT THE CONTRACTOR'S DISCRETION.
4. THE MAXIMUM SLOPE RATIO ON CUT/FILL SLOPES IS 3.0 HORIZONTAL TO 1 VERTICAL.
5. PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL SET ALL CLEANOUT, MANHOLE AND INLET CASTINGS, FIRE HYDRANTS AND VALVE BOXES TO FINISHED GRADE.
7. ALL PROPOSED PAVED AREAS SHALL BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND EXCAVATED OR FILLED TO WITHIN 0.10 FEET OF DESIGN SUBGRADE.
8. THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE CONCLUSION OF EACH WORKING DAY.

N O R T H

0 10' 20'

BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

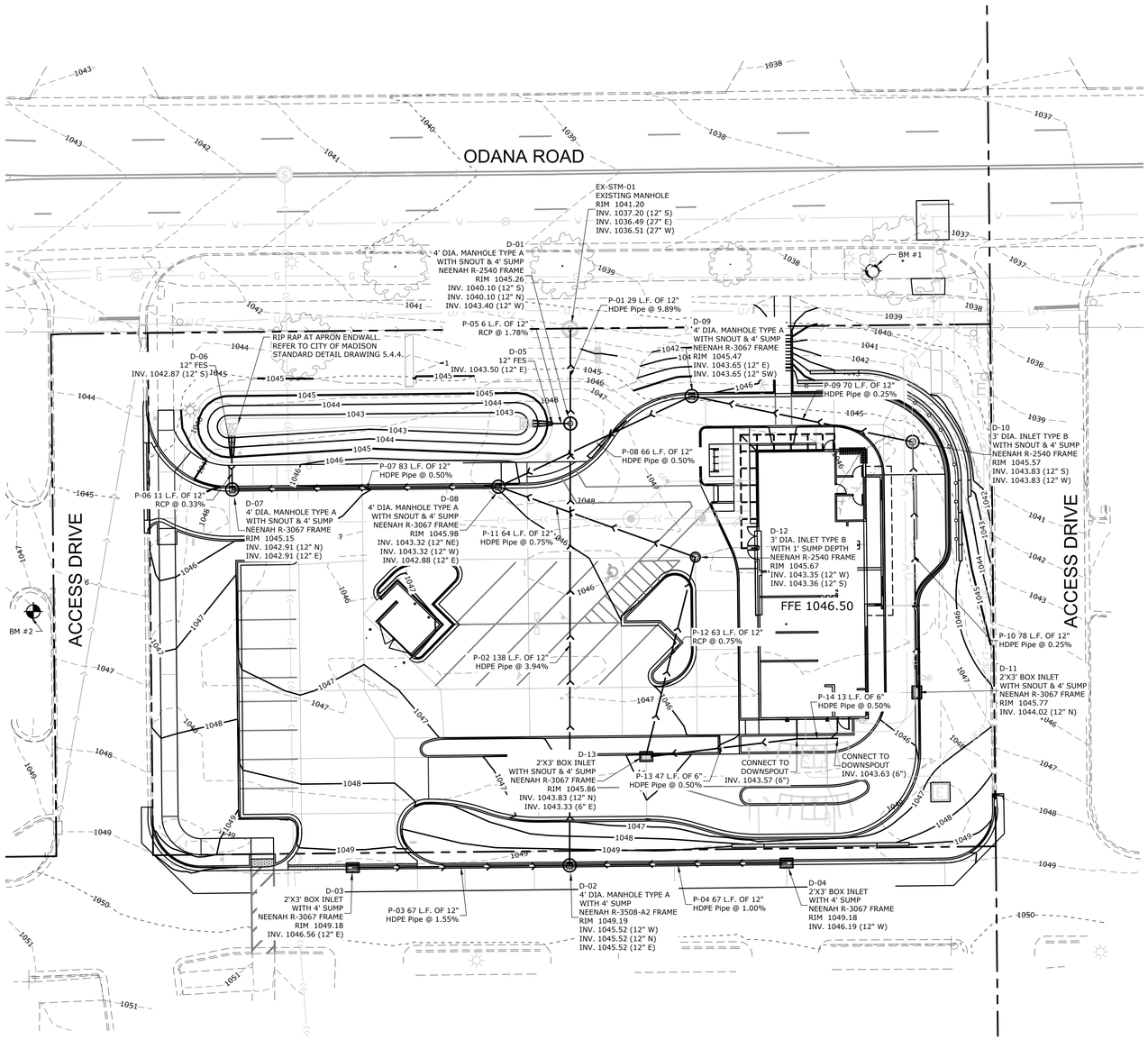
GRADING PLAN
EAST

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

C06



LEGEND

- PROPERTY LINE
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE BREAK LINE
- 800 — PROPOSED CONTOUR LINE
- 800 — EXISTING CONTOUR LINE
- W — PROPOSED WATER SERVICE
- PROPOSED SANITARY SEWER
- G — PROPOSED GAS MAIN
- E — PROPOSED UNDERGROUND ELECTRIC SERVICE
- U/T — PROPOSED TELEPHONE SERVICE
- EXISTING MANHOLE OR CATCH BASIN
- PROPOSED CATCH BASIN OR MANHOLE
- PROPOSED CLEANOUT
- 1.6% — DIRECTION OF SHEET FLOW

RIM ELEVATION DEFINITION

UNPAVED OR PAVED AREA INLET
NEENAH FOUNDRY MODELS R-2504 OR A FRAME AND GRATE
APPROVED BY THE CITY OF MADISON, WI. INLET FRAMES SHALL
DENOTE "DUMP NO WASTE - DRAINS TO LAKES"

RIM ELEV.

CURB INLET
NEENAH FOUNDRY OR R-3067 WITH TYPE R DIAGONAL
GRATES OR OR AS SPECIFIED ON PLAN OR EQUIVALENT
APPROVED BY THE CITY OF MADISON, WI. INLET FRAMES
SHALL DENOTE "DUMP NO WASTE - DRAINS TO LAKES"

RIM ELEV.

DELIVERY OF NEENAH STRUCTURES MAY HAVE LONG LEAD TIMES. EQUIVALENT STRUCTURES MAY BE SUBSTITUTED FOR ANY OF THE SPECIFIED NEENAH FRAMES IF APPROVED BY ENGINEER. CONTRACTOR TO SUBMIT REQUESTED SUBSTITUTION TO ENGINEER FOR APPROVAL.

REFER TO SHEET C12 - DETAILS FOR PRODUCT INSTALLATION AND SPECIFICATIONS FOR THE SNOUT BY BEST MANAGEMENT PRACTICES, INC.

STORMWATER DETENTION

BOTTOM OF BASIN	1042.58'
TOP OF BASIN	1045.50'
10-YEAR HIGH-WATER LEVEL	1044.55'
10-YEAR STORAGE VOLUME	1,907 CF
100-YEAR HIGH-WATER LEVEL	1045.08'
100-YEAR STORAGE VOLUME	2,838 CF

REFER TO STORMWATER MANAGEMENT REPORT FOR PIPE SIZING CALCULATIONS, DETENTION POND AND RELEASE RATE CALCULATIONS, AND WATER QUALITY CALCULATIONS.

BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

N O R T H
0 20' 30' 40'

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

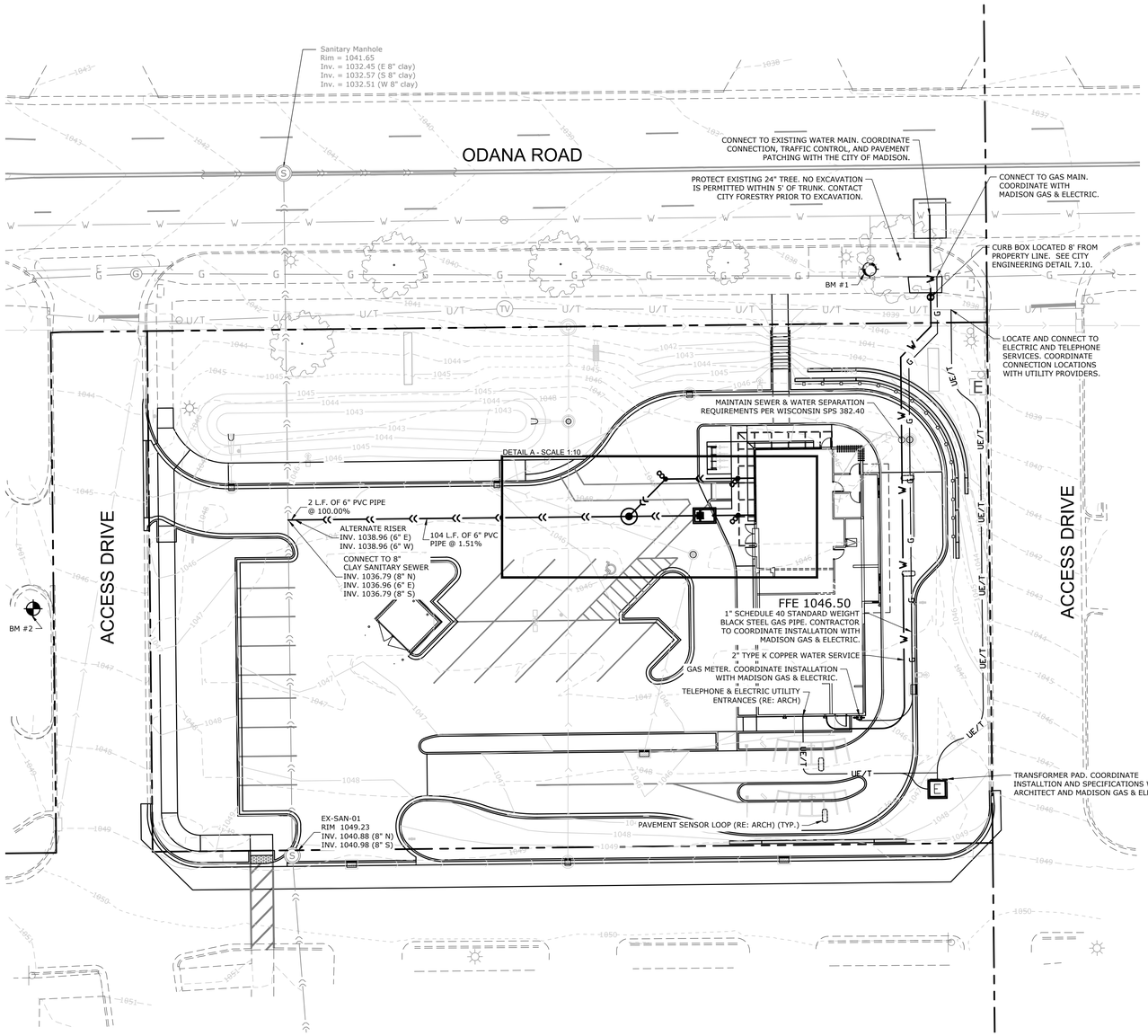
DRAINAGE PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

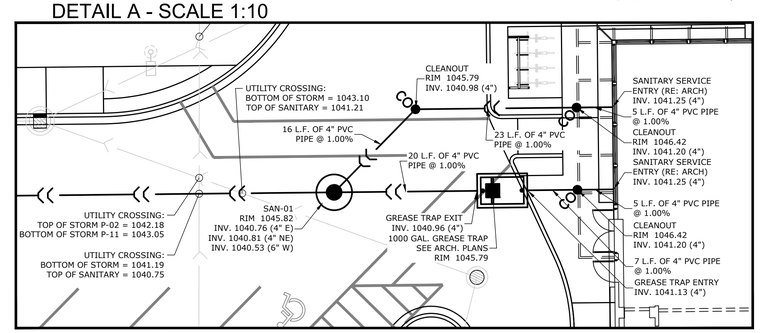
C07



LEGEND

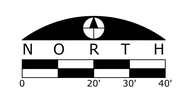
PROPERTY LINE	PROPOSED TRANSFORMER
EXISTING CURB AND GUTTER	EXISTING FIRE HYDRANT ASSEMBLY
PROPOSED ACCEPTING CURB AND GUTTER	EXISTING WATER VALVE
EXISTING WATER MAIN	PROPOSED WATER SERVICE CURB BOX
PROPOSED WATER SERVICE	EXISTING MANHOLE OR CATCH BASIN
EXISTING SANITARY SEWER	PROPOSED SANITARY MANHOLE
PROPOSED SANITARY SEWER	PROPOSED SANTIARY CLEANOUT
EXISTING STORM SEWER	PROPOSED GREASE TRAP (RE: ARCH. PLANS)
PROPOSED STORM SEWER	EXISTING GAS VALVE TO REMAIN
EXISTING GAS MAIN	EXISTING LIGHT POLE TO REMAIN
PROPOSED GAS MAIN	EXISTING LIGHT POLE TO BE REMOVED
EXISTING UNDERGROUND ELECTRIC SERVICE	EXISTING CABLE PEDESTAL TO REMAIN
PROPOSED UNDERGROUND ELECTRIC SERVICE	EXISTING ELECTRICAL PEDESTAL TO REMAIN
PROPOSED UNDERGROUND ELECTRIC & TELEPHONE SERVICE	EXISTING SANITARY SEWER TO REMAIN
EXISTING UNDERGROUND TELEPHONE SERVICE	PROPOSED LIGHT POLE (SEE DETAILS, ARCH. PLANS, AND CREE LIGHTING PLAN)
PROPOSED UNDERGROUND TELEPHONE SERVICE	
EXISTING OVERHEAD UTILITY LINES	

DETAIL A - SCALE 1:10



UTILITY NOTES

1. THE CONTRACTOR SHALL PROVIDE PROPER SAFETY DEVICES IN ACCORDANCE WITH OSHA STANDARDS FOR ALL STAFF WORKING IN OPEN TRENCH CONDITIONS. TRENCH BOXES AND OTHER SHORING SHALL BE REQUIRED FOR ALL TRENCH WORK, IN THE RIGHT-OF-WAY, AND ON PRIVATE PROPERTY, WHILE THE SITE IS UNDER CONSTRUCTION.
2. ALL PRIVATE WATER MAINS CONSTRUCTED ON THE PROPERTY ARE TO BE CONSTRUCTED WITH MATERIALS THAT FOLLOW THE STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL REQUIREMENTS FOR PIPE MATERIAL AND OTHER WATER MAIN APPURTENANCES PRIOR TO THE START OF CONSTRUCTION.
3. EXISTING UTILITY INFORMATION IS SHOWN FROM SURVEY WORK BY OTHERS, FIELD OBSERVATIONS, AVAILABLE PUBLIC RECORDS AND AS-BUILT DRAWINGS. EXACT LOCATIONS AND ELEVATIONS OF UTILITIES SHALL BE DETERMINED PRIOR TO INSTALLING NEW WORK. EXCAVATE TEST PITS AS REQUIRED.
4. CONTACT ALL PUBLIC AND PRIVATE UTILITY COMPANIES 48 HOURS PRIOR TO ANY EXCAVATION. COST OF REPLACEMENT OR REPAIR OF EXISTING UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY FLOOR, CURB OR PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL CONTROL PRIOR TO PROCEEDING WITH WORK.
6. REFER TO BUILDING PLANS FOR EXACT LOCATIONS OF NEW UTILITY ENTRIES.
7. CONTRACTOR SHALL SET ALL CLEANOUT, CASTINGS, AND VALVE BOXES TO FINISHED GRADE.
8. COORDINATE INSTALLATION OF THE WATER SERVICE WITH THE CITY OF MADISON. WATER SERVICE SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF MADISON, WI STANDARDS.



BENCHMARKS (NAVD88 DATUM)

BENCHMARK 1 X CUT ON SW BOLT OF FIRE HYDRANT LOCATED APPROXIMATELY 30' SOUTH OF CL OF ODANA ROAD AND 50' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE EAST OF THE SITE	1039.69
BENCHMARK 2 BOX CUT ON LIGHT POLE BASE LOCATED ON BURGER KING LOT, LOCATED APPROXIMATELY 22' WEST OF THE CL OF THE ACCESS DRIVEWAY TO THE WEST OF THE SITE	1049.38

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

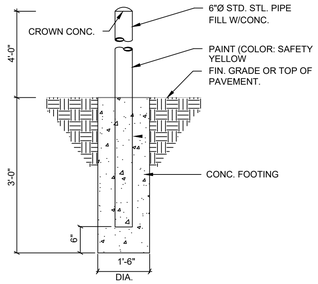
UTLITY PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

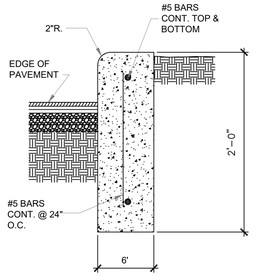
PROJECT NUMBER
SHEET NUMBER

19055

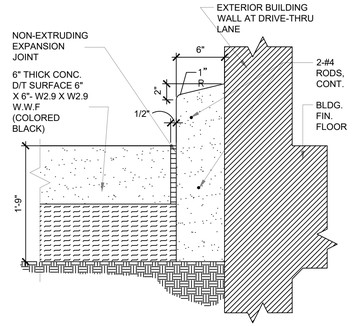
C08



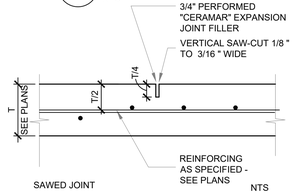
A SD3 BOLLARD DETAIL
NTS

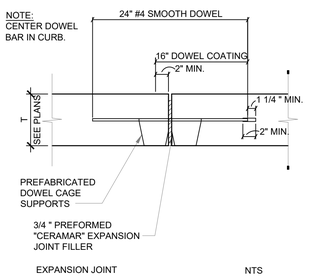


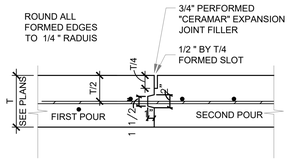
C SD3 BARRIER CURB DETAIL
NTS



D SD3 6" BARRIER CURB & PAVEMENT @ DRIVE-THRU
NTS

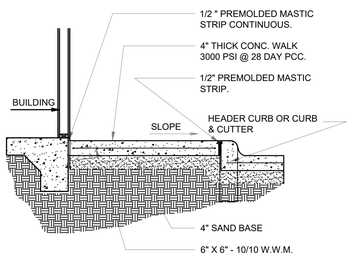




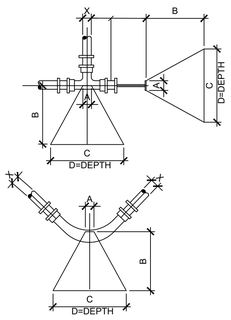


NOTE: TYP. JOINT AND CURB DETAILS SEE CIVIL DWGS. FOR ACTUAL DETAILS.

F SD3 TYPICAL JOINT DETAILS
NTS



G SD3 SIDEWALK DETAIL
NTS

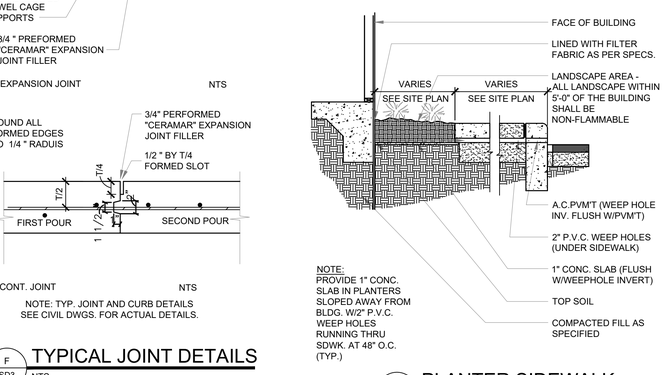


H SD3 THRUST BLOCKS
NTS

NOTE:
CONCRETE TO HAVE A MIN. 28 DAY STRENGTH OF 3000 PSI

		BLOCKING DIMENSIONS					
		X	A	B	C	D
DEAD END AND TEES		8"	10"	2'-3"	3'-3"	2'-0"
		12"	12"	3'-0"	4'-6"	3'-0"
BENDS	90°	8"	10"	2'-9"	4'-0"	2'-3"
		12"	12"	4'-3"	6'-0"	3'-3"
	45°	8"	10"	1'-6"	2'-6"	2'-0"
		12"	12"	2'-9'	4'-3"	2'-6"
	22 1/2°	8"	10"	1'-0"	2'-0"	1'-3"
		12"	12"	1'-9"	3'-0"	1'-9"
	11 1/4°	8"	10"	0'-6"	1'-4"	1'-0"
		12"	12"	0'-6"	1'-9"	1'-6"

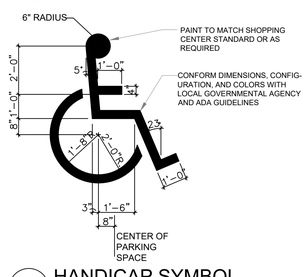
X= DIAMETER OF PIPE TO BE BLOCKED NOTE: BLOCKING SHALL BE CONSTRUCTED AS PER AWWA STD. 0600, SECTION 12.3, OR LATEST REVISION



L SD3 PLANTER SIDEWALK
NTS

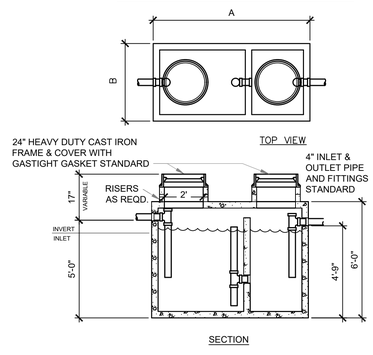
KEY TO TYPICAL PAVEMENT SECTIONS

1. 2" ASPHALTIC CONCRETE.
2. BITUMINOUS PRIME COAT AND TOPPING.
3. 6" BASE COURSE, REFER TO GEOTECHNICAL REPORT.
4. CONCRETE SIDEWALK.



N SD3 HANDICAP SYMBOL
NTS

GREASE TRAP SIZE TABLE		
G.T. SIZE	DIM "A"	DIM "B"
1000 GALLON	8'-2"	5'-1"
1200 GALLON	8'-6"	5'-9"
VERIFY PER LOCAL CODE		



P SD3 EXTERIOR GREASE TRAP
NTS

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

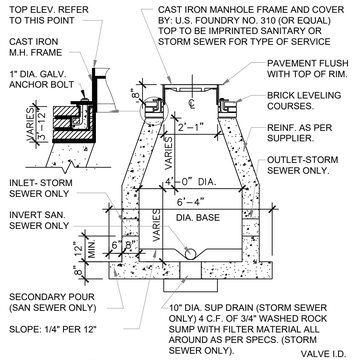
REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

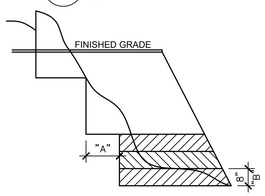
SHEET TITLE
POPEYES' DETAILS

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER
19055
C09

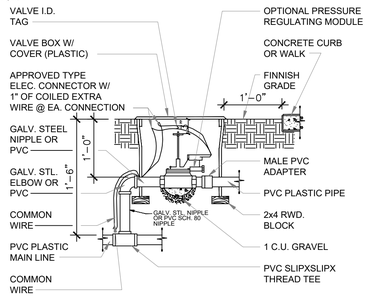


A SD4 MANHOLE
NTS

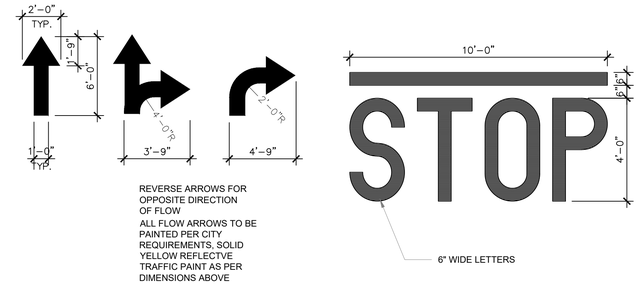


1. THE ABOVE DIAGRAM ILLUSTRATES A TYPICAL BENCHING FOR THE PLACEMENT OF A FILL ON A SLOPING SURFACE.
2. THE DIAGRAM SHOWS THAT BEFORE FILL IS PLACED, THE FIRST STEP IS CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8 FEET ("A"- ABOUT 3/4 THE WIDTH OF THE USUAL D-8 BULLDOZER BLADE). SUCCESSIVE LAYERS OF FILL ARE THEN PLACED. BEFORE THE FINAL LAYER IS PLACED, THE SECOND STEP IS CUT 8 FEET INTO THE SLOPE AND SUCCESSIVE LAYERS ARE AGAIN PLACED.
3. SELECT FILL MATERIAL SHOULD BE PLACED IN 8 INCH LIFTS AND COMPACTED TO THE SPECIFIED DENSITY ("B").

G SD4 SLOPE BENCHING
NTS

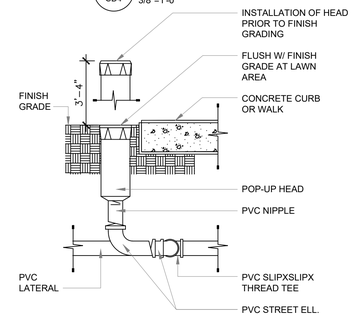


H SD4 REMOTE CONTROL VALVE
NTS

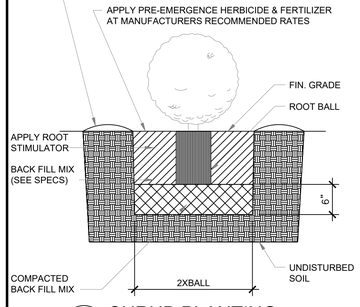


E SD4 PAINTED TRAFFIC ARROWS
NTS

F SD4 PAINTED STOP SIGN
3/8"=1'-0"



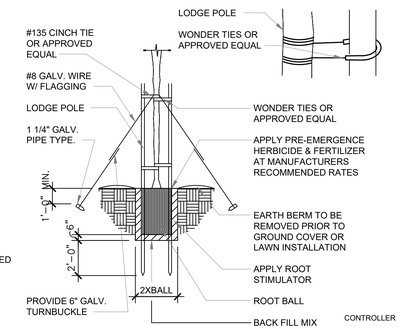
L SD4 POP-UP LAWN SHRUB HEAD
NTS



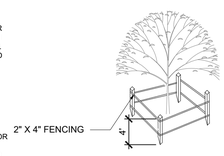
M SD4 SHRUB PLANTING
NTS

TREE PROTECTION NOTES:

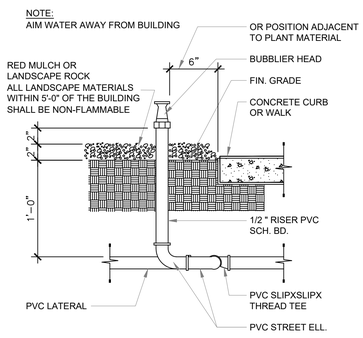
1. DURING CONSTRUCTION PROTECTIVE BARRIERS SHALL BE PLACED BY THE SITE CONTRACTOR TO PREVENT DESTRUCTION OF TREES WHICH ARE DESIGNATED TO REMAIN. PROTECTION BARRIERS SHALL BE ERECTED PRIOR TO CONSTRUCTION OF ANY KIND ON THE SITE. BARRIERS
2. SHALL CONSIST OF PROTECTIVE POSTS TWO (20 inches BY (4) FOUR INCHES OR LARGER, WOODEN POSTS PLANTED IN SUFFICIENT DEPTH TO BE STABLE WITH AT LEAST FOUR (4) FEET OF POST VISIBLE ABOVE THE GROUND. POSTS SHALL BE PLACED NO CLOSER THAN FIVE (5) FEET TO THE TRUNK UNLESS PROPOSED PAVING CONSTRUCTION WILL NOT APART. REFER TO TREE PROTECTION BARRIER DETAIL, EACH SECTION SHALL BE LINKED TOGETHER WITH LUMBER, EROSION FABRIC, NET OR PLASTIC FENCE MATERIAL.
3. PROPOSED GRADES AROUND TREES TO REMAIN SHALL BE MAINTAINED TO WITHIN (4) FOUR INCHES OF THE EXISTING GRADE.
4. CONTRACTOR SHALL NOTIFY ZONING DIRECTOR UPON COMPLETION OF THE TREE PROTECTION BARRIERS AND PRIOR TO REMOVAL OF EXISTING TREES FOR A SITE INSPECTION. ZONING DIRECTOR SHALL CONDUCT A FINAL INSPECTION ONCE THE EXISTING TREES ARE REMOVED THE 1 YEAR MAINTENANCE PERIOD SHALL BEGIN AFTER FINAL INSPECTION APPROVAL.
5. THE CONTRACTOR SHALL FOLLOW TREE REMOVAL, TREE PROTECTION AND GENERAL PLANTING REQUIREMENTS AS DEFINED BY LOCAL JURISDICTION.
6. PROTECTIVE BARRIER'S SHALL REMAIN IN PLACE AND INTACT UNTIL SUCH TIME AS CONSTRUCTION IS COMPLETE AND ALL EQUIPMENT IS REMOVED FROM SITE
7. BARRIERS SHALL BE PLACED AT THE TREE CANOPY LINE EXCEPT ADJACENT TO THE PROPOSED CONSTRUCTION AREA WHERE IT MAY BE AT ONE HALF OF THE CANOPY DISTANCE ON ONE SIDE ONLY
8. WHERE PERMITTED BY LOCAL JURISDICTION, CONTRACTOR MAY USE ORANGE PLASTIC SAFETY FENCING IN LIE OF WOOD FENCING.



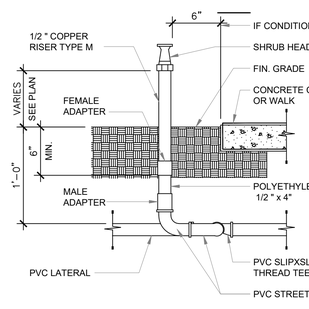
N SD4 TREE STAKING
NTS



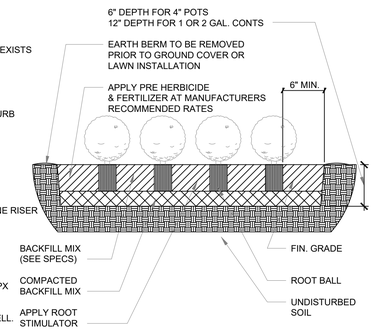
S SD4 TREE BARRIERS DETAIL
NTS



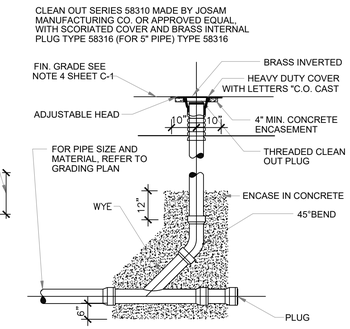
O SD4 BUBBLER HEAD
NTS



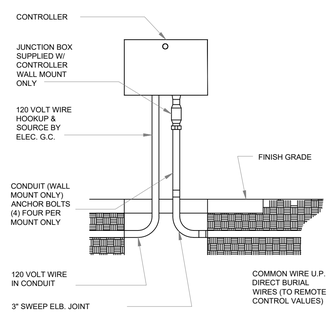
P SD4 SHRUB HEAD RISER
NTS



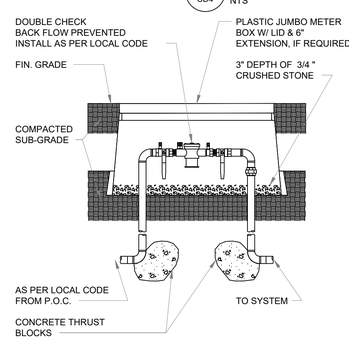
Q SD4 GROUND COVER PLANTING
NTS



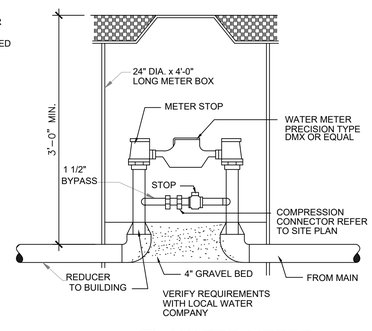
R SD4 SANITARY CLEANOUT
NTS



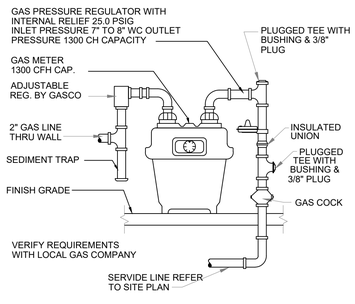
T SD4 IRRIGATION CONTROLLER DETAIL
NTS



U SD4 BACK FLOW PREVENTER
NTS



V SD4 WATER METER
NTS



W SD4 GAS METER & REGULATOR
NTS

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

POPEYES' DETAILS

DRAWN	KG
CHECKED	LND
PM	RCS

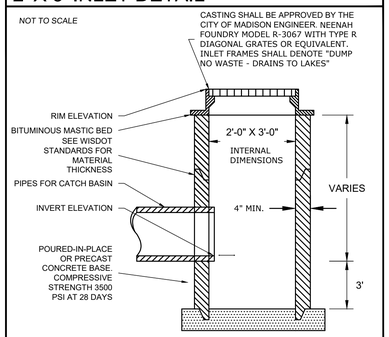
PROJECT NUMBER
SHEET NUMBER

19055

C10

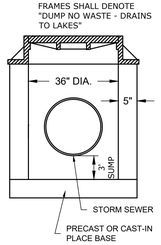
2' X 3' INLET DETAIL

NOT TO SCALE



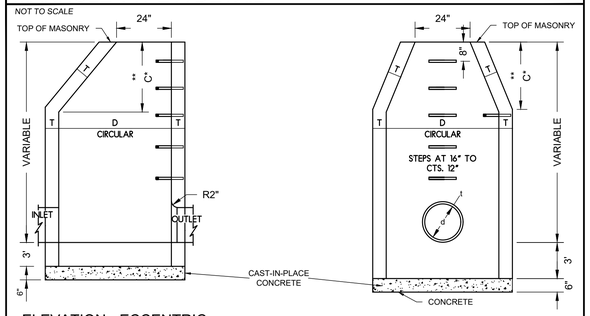
3' DIA INLET TYPE B

NOT TO SCALE



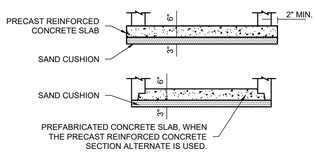
MANHOLE TYPE A DETAIL

NOT TO SCALE



ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C	T (MIN.)
CONCRETE MASONRY UNIT	(4"-57) (5"-97)	(36) (3"-9")	(5) (5)
BRICK MASONRY	(4"-57) (5"-97)	(36) (3"-9")	(5) (8)
PRECAST REINFORCED CONCRETE SECTION	(4"-57) (5"-97)	(36) (3"-9")	(4) (5)
CAST-IN-PLACE CONCRETE	(4"-57) (5"-97)	(36) (3"-9")	(4) (6)

GENERAL NOTES

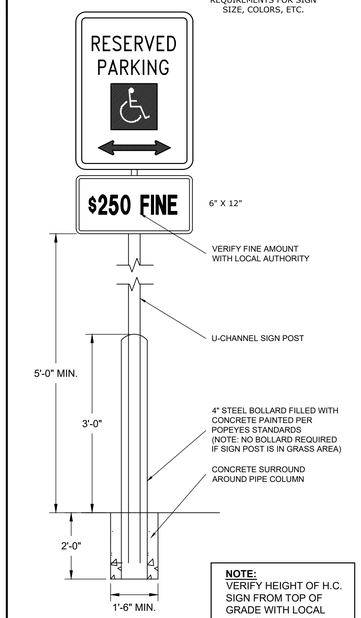
SEE STANDARD 602701 FOR DETAILS OF STEPS.

*DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6".

**SEE STANDARD 602601 FOR OPTIONAL PRECAST REINFORCED CONCRETE FLAT SLAB TOP.

ACCESSIBLE PARKING SIGN DETAIL

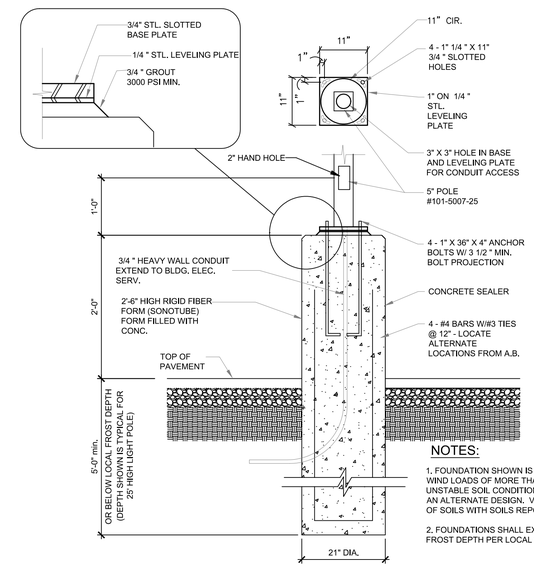
NOT TO SCALE



NOTE:
VERIFY HEIGHT OF H.C. SIGN FROM TOP OF GRADE WITH LOCAL AUTHORITY.

LIGHT POLE FOUNDATION

NOT TO SCALE



NOTES:

1. FOUNDATION SHOWN IS A TYPICAL DESIGN. WIND LOADS OF MORE THAN 100 MPH AND UNSTABLE SOIL CONDITIONS MAY REQUIRE AN ALTERNATE DESIGN. VERIFY CONDITION OF SOILS WITH SOILS REPORT
2. FOUNDATIONS SHALL EXTEND BELOW FROST DEPTH PER LOCAL CODES.

SITE LIGHTING: THE NATIONAL ACCOUNT VENDOR SHALL FURNISH THE SITE LIGHTING PACKAGE, AS REQUIRED FOR THE SPECIFIC LOCATION. UNDER THIS SPECIFICATION SECTION, PROVIDED ARE 1" RIGID GALVANIZED STEEL ELECTRICAL CONDUIT, AND THE REQUIRED WIRING FROM THE PANEL TO THE POLE.

GROUND/BOND ALL SITE LIGHTING FIXTURES/POLES PER THE NEC. THE BRANCH CIRCUIT CONDUCTORS SHALL BE INCREASED FROM #10 AWG TO #8 AWG IF THE HORIZONTAL DISTANCE FROM THE PANEL TO THE POLE IS GREATER THAN EIGHTY (80) FEET. ALL SITE LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM SHOWN ON THE DRAWINGS. REFER TO THE SITE PLAN FOR QUANTITY AND LOCATION OF ALL SITE LIGHTING. SET FIXTURES AS SPECIFIED, AND AIM AFTER DARK FOR UNIFORM LIGHT DISTRIBUTION. THE NATIONAL ACCOUNT VENDOR SHALL PROVIDE A SITE PHOTOMETRIC AT NO COST, WHICH MAY BE A PART OF THE CONSTRUCTION DOCUMENTS SET, BUT SHALL BE SUBMITTED TO POPEYES DESIGN FOR THEIR RECORDS.

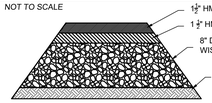
LUMINAIRE SCHEDULE

SYMBOL	TOTAL HEIGHT	ARRANGEMENT	QUANTITY	CREE PART #
	27'	SINGLE	6	OSQ-A-NM-4ME-T-57K-UL-BZ + OSQ-AABZ OSQ-BLSLF

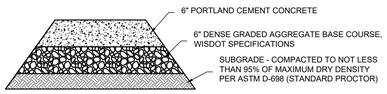
VERIFY LIGHTING FIXTURES WITH CREE LIGHTING PLAN INCLUDED IN SUBMITTAL DOCUMENTS

TYPICAL PAVEMENT SECTIONS

NOT TO SCALE



STANDARD ASPHALT PAVEMENT

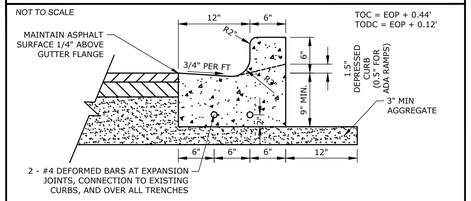


HEAVY DUTY CONCRETE PAVEMENT

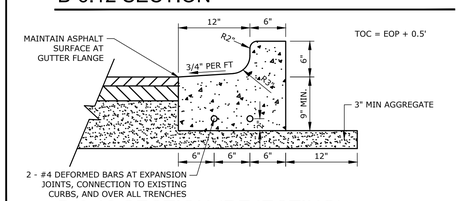
TO BE USED IN DRIVEWAY AND TRASH ENCLOSURE AREAS

CONCRETE CURB & GUTTER

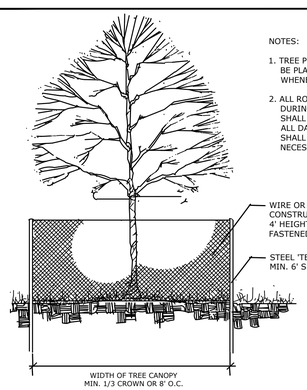
NOT TO SCALE



B-6.12 SECTION



B-6.12 SECTION (REJECTING)



NOTES:

1. TREE PROTECTION SHALL BE PLACED AT DRIPLINE WHENEVER POSSIBLE
2. ALL ROOTS EXPOSED DURING CONSTRUCTION SHALL BE PROTECTED. ALL DAMAGED ROOTS SHALL BE PRUNED AS NECESSARY.

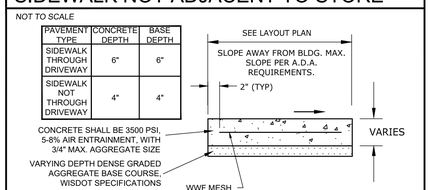
TREE PROTECTION DETAIL

NOT TO SCALE

SIDEWALK NOT ADJACENT TO STORE

NOT TO SCALE

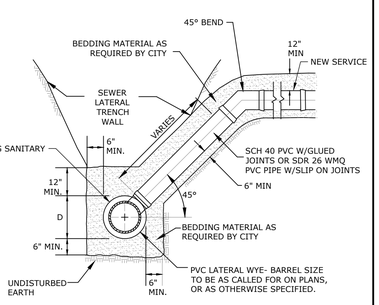
PAVEMENT TYPE	CONCRETE DEPTH	BASE DEPTH
SIDEWALK THROUGH DRIVEWAY	6"	6"
SIDEWALK NOT THROUGH DRIVEWAY	4"	4"



1. TOOLED JOINTS SHALL BE 1/4 D AND A MAX. OF 5' C/C. TOOLED JOINTS SHALL DIVIDE PANELS EQUALLY
2. EXPANSION JOINTS SHALL BE 3/4" BITUMINOUS IMPREGNATED FIBERBOARD ALONG THE PERIMETER OF THE SIDEWALK PANEL WERE PROPOSED SIDEWALK IS FLUSH WITH ADJACENT EXISTING CONCRETE.
3. SIDEWALK RAMPS AT DRIVES SHALL BE BUILT ACCORDING TO WISDOT STANDARDS
4. WWF MESH SHALL BE 6 X 6 -10/10 CONTINUOUS WELDED WIRE
5. USE LIGHT BARN BROOM FINISH WITH 4" RETOOLED JOINTS AND EDGES.
6. SIDEWALK PAVEMENT SECTION OF SIDEWALK THROUGH DRIVEWAY SHALL BE THE SAME AS THE PAVEMENT SECTION OF THE REST OF THE DRIVEWAY. SEE HEAVY DUTY CONCRETE PAVEMENT SECTION DETAIL.

ALTERNATE SERVICE RISER DETAIL

NOT TO SCALE

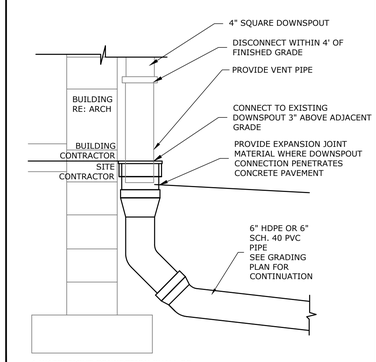


NOTES:
ALL SCHEDULE 40 PVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D1785/D2665. ALL WMQ SDR 26 PVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D2241 AND D3139. ALL DWV FITTINGS SHALL BE CLEANED, PRIMED AND GLUED.

CONTRACTOR TO FIELD VERIFY BASED ON FINAL CONSTRUCTION.

DOWNSPOUT CONNECTOR DETAIL

NOT TO SCALE



A WATERTIGHT CONNECTION SHALL BE MAINTAINED WITH ANY TRANSITION FROM SCHEDULE 40 PVC PIPE TO ANY OTHER PIPE TYPE.

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

DETAILS

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

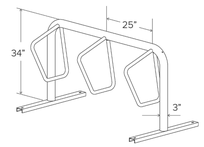
19055

C11

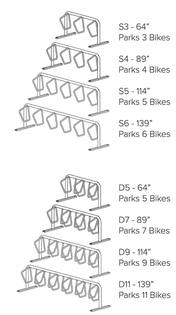
DERO S4 CAMPUS BICYCLE RACK

DERO | Campus Rack

Submittal Sheet



CAPACITY	3-11 Bikes
MATERIALS	**Centerbeam:** 3" OD 7 gauge tube **Arms:** 1.25" OD 11 gauge tube All welds to be continuous MIG welds
FINISHES	☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option. ☐ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat ☐ **Stainless** Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.
MOUNT OPTIONS	☐ **Surface** Foot Mount has 34" x 3" channel feet and can be left freestanding or anchored to the ground. Tamper-resistant fasteners available upon request. ☐ **In-Ground** In-ground mount is embedded into concrete base. Specify in-ground mount for this option



REFER TO THE CITY OF MADISON, WI BIKE RACK REQUIREMENTS FOR BICYCLE PARKING SPACE SIZE, DESIGN AND INSTALLATION REQUIREMENTS.

THE SARIS CITY RACK, MADRAX SPARTAN RACK, MADRAX SENTRY RACK, AND MADRAX SHARK RACK ARE ALSO ACCEPTABLE (MINIMUM FOUR SPACES).

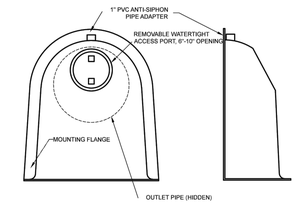
ADJUSTMENTS TO THE BICYCLE PARKING AREA MAY BE REQUIRED TO MEET MINUMUM REQUIREMENTS IF A RACK OTHER THAN THE DERO CAMPUS RACK IS SELECTED.ADJUSTMENTS ARE TO BE MADE BY THE CONTRACTOR.

CONTACT ARTHUR ROSS, CITY OF MADISON, WI PEDESTRIAN-BICYCLE COORDINATOR AT (608) 266-6225 FOR QUESTIONS.

©2021

SNOUT BY BEST MANAGEMENT PRACTICES, INC. SPECIFICATIONS

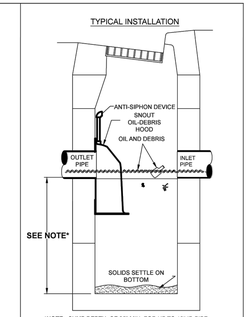
CONFIGURATION DETAIL



SNOUT OIL-WATER-DEBRIS SEPARATOR

CORRECT SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE. SEE NOTE 4 BELOW.

TYPICAL INSTALLATION



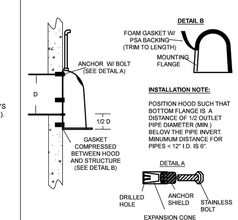
***NOTE-** SUMP DEPTH OF 36" MIN. FOR UP TO 12" ID PIPE. OUTLET FOR PIPES 15" ID AND ABOVE SUMP DEPTH OF 2.5 TO 3 TIMES PIPE ID RECOMMENDED (E.G. 5' DEEP for 24" PIPE)

NOTES:

1. ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY:
   BEST MANAGEMENT PRODUCTS, INC.
   9 MATHEWS DRIVE, UNIT A1-A2.
   EAST HADDAM, CT 06423
   TOLL FREE: (800) 504-8008 OR (888) 434-0277, FAX: (877) 434-3197
   WEB SITE: **www.bmpinc.com**
   OR PRE-APPROVED EQUAL
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION. NOTE: THE CORRECT SNOUT SIZE WILL ALWAYS BE LARGER THAN NOMINAL PIPE SIZE (E.G. 12" ID PIPE REQS. 18 SERIES SNOUT OR LARGER).
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
7. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
8. ALL STRUCTURE JOINTS SHALL BE WATERTIGHT.
9. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
10. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT.
    INSTALLATION KIT SHALL INCLUDE:
    A. INSTALLATION INSTRUCTIONS
    B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
    C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
    D. 3/8" STAINLESS STEEL BOLTS
    E. ANCHOR SHIELDS

US Patent # 6126817, 7951294, 7857966, 8512556
Canada Patent # 2285146, 2690156, 2690156 others pending

INSTALLATION DETAIL



INSTALLATION NOTE:

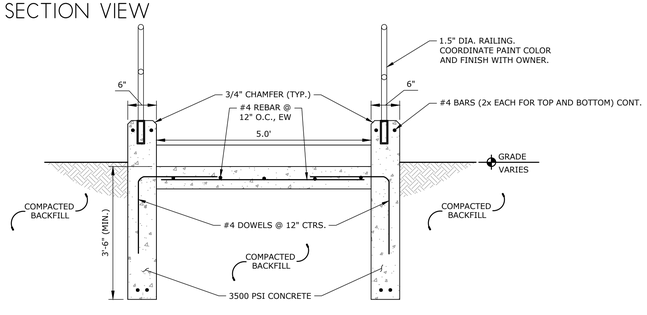
POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER (MIN.) BELOW THE PIPE INVERT. MINIMUM DISTANCE FOR PIPES < 12" I.D. IS 6".

HOOD SPECIFICATION FOR CATCH BASINS AND WATER QUALITY STRUCTURES

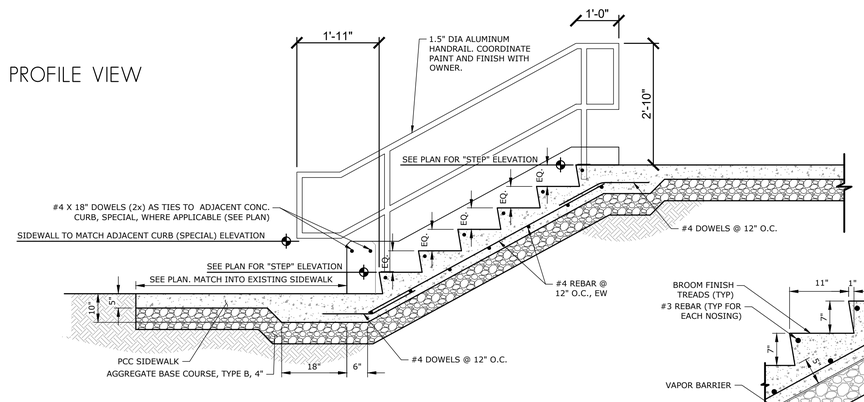
DESCRIPTION	DATE	SCALE
OIL- DEBRIS HOOD SPECIFICATION AND INSTALLATION (TYPICAL)	01/08/20	NONE
	DRAWING NUMBER	
	SP-SN	

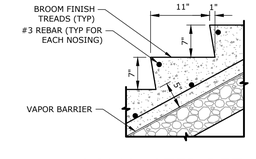
CONC. STEPS

SECTION VIEW



PROFILE VIEW





CONC. STEP DETAIL

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

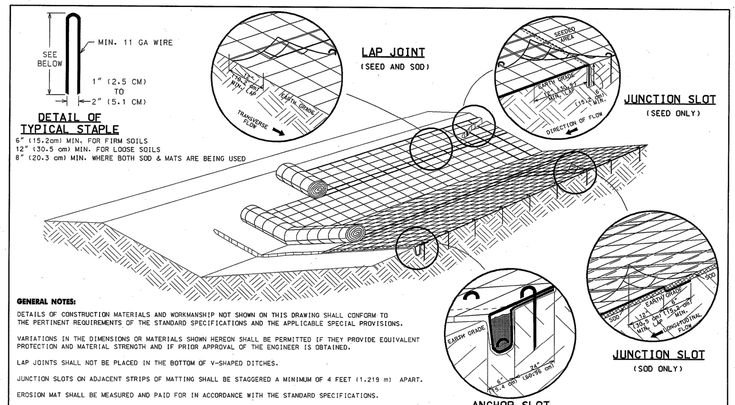
DETAILS

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

C12



GENERAL NOTES:

DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET (1.219 m) APART.

EROSION MAT SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

EROSION MAT OVER SOD:

a. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.

b. WOOD STAKES FOR SOD MAY BE OMITTED BY THE ENGINEER IF EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.

c. THE WIDTH OF EROSION MAT SHALL ALWAYS EXCEED THE SOD WIDTH.

EROSION MAT OVER SEEDING:

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET (30.48 m) ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET (15.24 m) ON GRADES EXCEEDING 3 PERCENT.

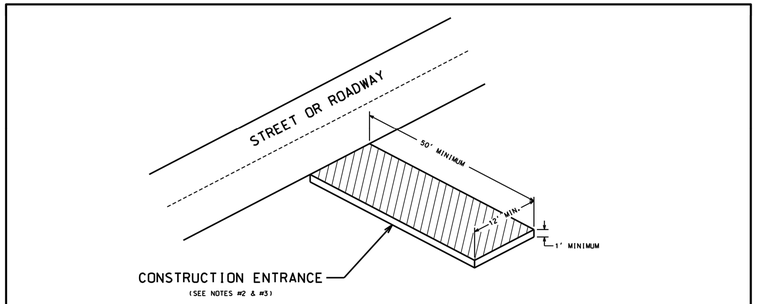
DRAWING NOT TO SCALE

2004

CITY OF MADISON
ENGINEERING DIVISION

EROSION MAT

STANDARD DETAIL DRAWING 1.02



GENERAL NOTES FOR TYPICAL STONE TRACKING PADS:

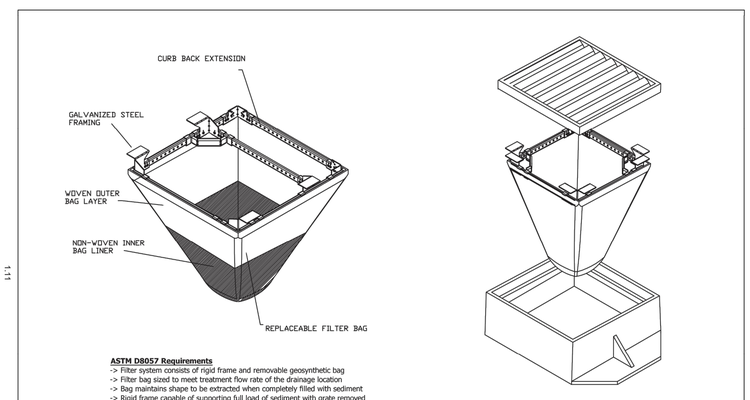
1. CONSTRUCTION ENTRANCE TRACKOUT CONTROLS MUST BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.
2. THE AGGREGATE FOR THE CONSTRUCTION ENTRANCE SHALL BE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE FOLLOWING GRADATION. LISTED BY SIEVE SIZE IN INCHES (PERCENT BY WEIGHT PASSING): 3" (100% PASSING), 2.5" (90-100% PASSING), 1.5" (25-60% PASSING), 3/4" (0-20% PASSING), AND 3/8" (0-5% PASSING).
3. WHERE WARRANTED DUE TO SOIL TYPE OR HIGH GROUNDWATER, UNDERLAY THE STONE TRACKING PAD WITH GEOTEXTILE FABRIC TO MINIMIZE MIGRATION OF UNDERLYING SOIL INTO THE STONE. SELECT FABRIC TYPE HR OR FF GEOTEXTILE FABRIC BASED ON SOIL CONDITIONS AND VEHICLE LOADING. IF UNDERLAY IS REQUIRED IT SHALL BE INCLUDED IN CONSTRUCTION ENTRANCE COST.
4. INSTALL THE STONE TRACKING PAD TO ENSURE VEHICLES THAT DRIVE OVER EXPOSED SOIL EXIT ALONG THE FULL LENGTH OF THE PAD.
5. AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. DO NOT COMPACT, GROUT, OR CAUSE SMOOTHING OF TRACKING PAD SURFACE.
6. INSTALL THE TRACKING PAD ACROSS THE FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXITING TRAFFIC TO A DEDICATED EGRESS LANE WITH A DRIVING SURFACE AT LEAST 12 FEET WIDE.
7. SURFACE WATERS MUST BE PREVENTED FROM PASSING THROUGH THE CONSTRUCTION ENTRANCE. FLOWS SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION ENTRANCE OR CONVEYED UNDER AND AROUND BY USE OF A CULVERT, DIVERSION BERM OR OTHER PRACTICES AS APPROVED BY THE CONSTRUCTION ENGINEER.
8. RUNOFF FROM TRACKING PAD MUST BE DIRECTED TO SEDIMENT CONTROL PRACTICES.
9. MAINTAIN A LOOSENED, ROUGH SURFACE BY SCRAPING, LOOSENING, OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
10. ALTERNATIVE TRACKOUT CONTROL DEVICES MUST MEET THE REQUIREMENTS OF MDWR STANDARD FOR TRACKOUT CONTROL PRACTICES (1057) AND HAVE APPROVAL OF CITY OF MADISON ENGINEERING PRIOR TO IMPLEMENTATION.

2018

CITY OF MADISON
ENGINEERING DIVISION

CONSTRUCTION ENTRANCE

STANDARD DETAIL DRAWING 1.07



ASTM D8057 Requirements

-> Filter system consists of rigid frame and removable geosynthetic bag
-> Filter bag sized to meet treatment flow rate of the drainage location
-> Bag maintains shape to be extracted when completely filled with sediment
-> Rigid frame capable of supporting full load of sediment with grate removed
-> Frame does not interfere or elevate grate by more than 1/8"
-> Bypass flow exceeds design flow of drainage location
-> Filter bag achieves >80% filtration efficiency per ASTM D7351 OR ASTM D5141

Installation Instructions:

1. Remove grate from the drainage structure
2. Clean stone and dirt from ledge (lip) of drainage structure
3. Drop the inlet filter through the clear opening such that the hangers rest firmly on the lip of the structure
4. Replace the grate and confirm it is not elevated more than 1/8"

Maintenance Guidelines:

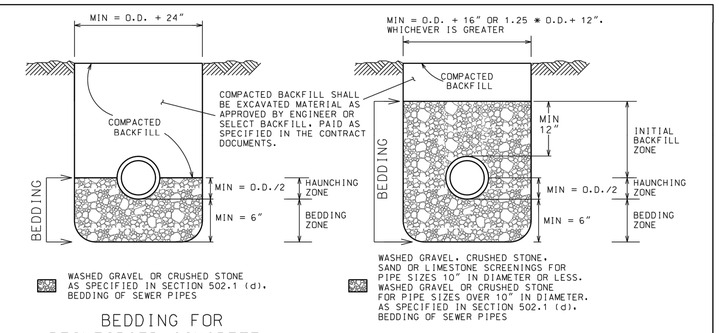
1. Empty the sediment bag if more than half filled with sediment and debris
2. Remove the grate, engage the lifting points, and lift filter from the drainage structure
3. Dispose of sediment and debris as directed by the Engineer or Maintenance Contract
4. Alternatively, an industrial vacuum can be used to collect sediment from filter bag

2020

CITY OF MADISON
ENGINEERING DIVISION

RIGID FRAME INLET PROTECTION

STANDARD DETAIL DRAWING 1.11



NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY PIPES, INCLUDING LATERALS AND LEADS, SHALL BE INSTALLED WITH THE TYPE OF BEDDING SHOWN FOR THE TYPE AND SIZE OF PIPE INSTALLED.

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE. FOR RCP, BEDDING INCLUDES THE HAUNCHING & BEDDING ZONES. FOR PLASTIC PIPES, THE BEDDING INCLUDES THE HAUNCHING, BEDDING & INITIAL BACKFILL ZONES. THE BEDDING SHALL BE INSTALLED & COMPACTED IN 6" MAXIMUM LIFTS.

ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12" ABOVE THE TOP OF THE PIPE. ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL, IF APPROVED. SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE 3 * O.D., THE MINIMUM TRENCH WIDTH AS SPECIFIED. AND SHALL APPLY FROM THE BOTTOM OF THE TRENCH TO A POINT 12" ABOVE THE TOP OF THE PIPE. WHERE THIS WIDTH IS EXCEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT **NO EXTRA COST.** THE TYPE OF BEDDING SHALL BE DETERMINED BY THE ENGINEER.

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE.

DRAWING NOT TO SCALE

2016

CITY OF MADISON
ENGINEERING DIVISION

PIPE BEDDING AND BACKFILL

STANDARD DETAIL DRAWING 5.2.1

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

CITY OF MADISON DETAILS

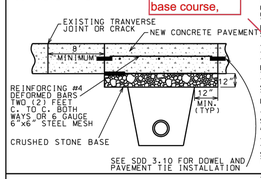
DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

C12

TYPE I
CONCRETE PAVEMENT



TYPE I UTILITY TRENCH PATCH

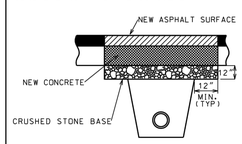
THE PAVEMENT SHALL BE REMOVED IN TWO STAGES. THE INITIAL PAVEMENT REMOVAL SHALL BE LIMITED TO THE AREA OF THE PROPOSED TRENCH. FULL-DEPTH SAWCUTTING WILL NOT BE REQUIRED FOR THIS PHASE OF THE PAVEMENT REMOVAL. AFTER THE TRENCH HAS BEEN BACKFILLED AND COMPACTED, AND AFTER THE BASE HAS BEEN RESTORED IN THE AREA OF THE TRENCH, AND AFTER SAWCUTTING THE NEW JOINTS THE FULL DEPTH OF THE EXISTING PAVEMENT (INCIDENTAL), THE REMAINING PAVEMENT TO BE REMOVED SHALL BE REMOVED WITHOUT DISTURBING THE EXISTING BASE.

THE SIZE OF THE PATCH SHALL BE DETERMINED BY THE TOP WIDTH OF THE TRENCH, THE LOCATION AND SKEW OF THE EXISTING TRANSVERSE JOINTS, THE CONDITION OF THE EXISTING PAVEMENT, AND THE CONDITION OF THE BASE. NEW TRANSVERSE JOINTS SHALL BE PARALLEL TO THE EXISTING TRANSVERSE JOINTS, AND SHALL BE A MINIMUM OF ONE (1) FOOT FROM THE TRENCH. THE DISTANCE BETWEEN NEW AND EXISTING TRANSVERSE JOINTS SHALL BE A MINIMUM OF EIGHT (8) FEET, MEASURED PERPENDICULAR TO THE JOINTS. THE PATCH SHALL BE A MINIMUM OF EIGHT (8) FEET IN LENGTH, AND SHALL HAVE THE SAME WIDTH AS THE PAVEMENT LANE.

THE PATCH SHALL BE TEN (10) INCHES IN THICKNESS OF HIGH EARLY STRENGTH CONCRETE, DOWELED AND TIED WITH EPOXY COATED BARS, AND REINFORCED, ALL IN ACCORDANCE WITH THE TYPICAL SECTION.

THE TRANSVERSE EDGES OF THE FINISHED PATCH SHALL BE FLUSH WITH THE EDGES OF THE EXISTING CONCRETE PAVEMENT. THE LONGITUDINAL SURFACE SHALL FORM A STRAIGHT LINE FROM EDGE TO EDGE WITHIN A TOLERANCE OF $^{1}/_{8}$ INCH.

TYPE II
CONCRETE WITH ASPHALTIC OVERLAY



TYPE II UTILITY TRENCH PATCH

THE PATCH SHALL BE 7" HIGH EARLY STRENGTH CONCRETE BASE WITH THE SAME REINFORCEMENT AS THE EXISTING CONCRETE BASE, OVERLAID WITH ASPHALT UPPER LAYER. WHERE SPECIFIED, OR DIRECTED BY THE ENGINEER, THE BASE SHALL BE CONSTRUCTED OF ASPHALTIC BASE COURSE MATERIAL, SHALL BE THE SAME THICKNESS AS THE EXISTING BASE, AND SHALL BE LAID IN TWO OR MORE COMPACTED LIFTS OF NOT MORE THAN 3" IN THICKNESS EACH.

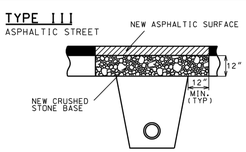
THE PAVEMENT ALONG THE PATCH SHALL BE SAWCUT, FULL DEPTH, AND INCIDENTAL TO THE TRENCH PATCH. THE EDGES OF THE PATCH SHALL BE VERTICAL, FREE OF LOOSE STONES OR CONCRETE PIECES, AND SHALL BE THOROUGHLY WETTED JUST PRIOR TO POURING THE NEW CONCRETE BASE.

THE TOP OF THE NEW CONCRETE OR ASPHALT BASE SHALL BE FLUSH WITH THE TOP OF THE EXISTING CONCRETE BASE.

PRIOR TO PLACING THE ASPHALT UPPER LAYER, THE EDGES OF THE PATCH AND THE SURFACE OF THE NEW CONCRETE BASE SHALL BE THOROUGHLY TACKED WITH LIQUID ASPHALT.

THE ASPHALT UPPER LAYER SHALL BE OF THE SAME THICKNESS AS THE EXISTING ASPHALT OVERLAY WITH A MINIMUM THICKNESS OF 3" AND A MAXIMUM THICKNESS OF 6" UNLESS OTHERWISE SPECIFIED AND SHALL BE LAID IN ONE OR MORE COURSES AS DIRECTED BY THE ENGINEER. THE ASPHALTIC UPPER LAYER SHALL BE MACHINE LAID WHERE DIRECTED BY THE ENGINEER. WHERE THE ASPHALTIC UPPER LAYER IS MACHINE LAID, AND IS NOT MORE THAN 3" IN THICKNESS, THE ASPHALTIC SURFACE MAY BE LAID IN ONE LIFT.

TYPE III
ASPHALTIC STREET



TYPE III UTILITY TRENCH PATCH

THE PATCH SHALL BE CRUSHED STONE BASE COURSE, GRADATION NO. 2 OVERLAID WITH ASPHALT UPPER LAYER EQUAL IN THICKNESS TO THE EXISTING ASPHALTIC PAVEMENT,WITH A MINIMUM THICKNESS OF 3.5" AND A MAXIMUM THICKNESS OF 6" UNLESS OTHERWISE SPECIFIED AND LAID IN ONE OR MORE COURSES AS DIRECTED BY THE ENGINEER.

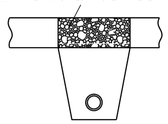
THE PAVEMENT ALONG THE PATCH SHALL BE SAWCUT, FULL DEPTH, AND INCIDENTAL TO THE TRENCH PATCH. THE EDGES OF THE EXISTING ASPHALTIC PAVEMENT SHALL BE FREE OF LOOSE STONES OR PAVEMENT MATERIAL.

THE CRUSED STONE BASE COURSE SHALL BE INSTALLED IN TWO LIFTS. THE LOWER LIFT SHALL BE THOROUGHLY MECHANICALLY COMPACTED PRIOR TO PLACING THE UPPER LIFT.

THE ASPHALT UPPER LAYER SHALL BE LAID IN TWO LIFTS. THE ASPHALT UPPER LAYER SHALL BE MACHINE LAID WHERE DIRECTED BY THE ENGINEER. WHERE THE ASPHALTIC UPPER LAYER IS MACHINE LAID AND IS NOT MORE THAN 3" IN THICKNESS, THE ASPHALT SURFACE COURSE MAY BE IN ONE LIFT.

PRIOR TO PLACING THE ASPHALT UPPER LAYER, THE EDGES OF THE PATCH AND THE SURFACE OF THE CRUSED STONE BASE SHALL BE TACKED AND PRIMED WITH LIQUID ASPHALT.

TYPE IV



TYPE IV UTILITY TRENCH PATCH

THE PATCH SHALL BE 12" CRUSHED STONE BASE COURSE, GRADATION NO. 2. FULL DEPTH SAWCUTTING OF ADJACENT PAVEMENT (IF ANY) SHALL BE CONSIDERED INCIDENTAL TO THE TRENCH PATCH.

THE CRUSHED STONE BASE COURSE SHALL BE INSTALLED IN THREE LIFTS. EACH LIFT SHALL BE THOROUGHLY MECHANICALLY COMPACTED PRIOR TO PLACING SUCCEEDING LIFTS.

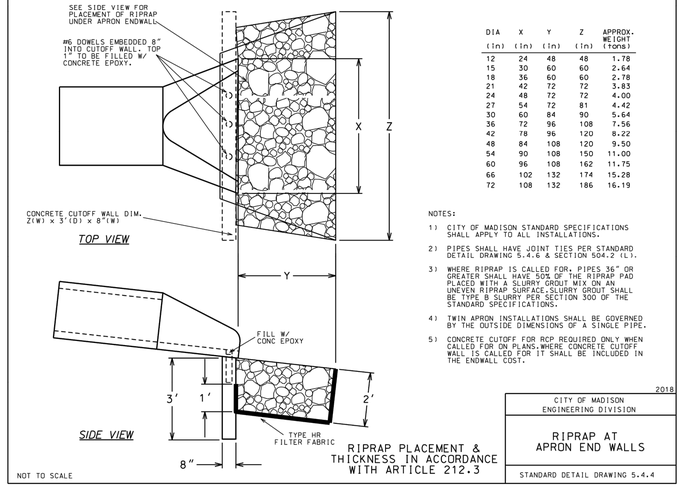
CITY OF MADISON
ENGINEERING DIVISION

TYPICAL PAVEMENT PATCH SECTIONS

2019 STANDARD DETAIL DRAWING 5.2.4

5.2.4

5.4.4



DIA (in)	X (in)	Y (in)	Z (in)	APPROX. WEIGHT (tons)
12	24	48	48	1.78
15	30	60	60	2.64
18	36	60	60	2.78
21	42	72	72	3.83
24	48	72	72	4.00
27	54	72	81	4.42
30	60	84	90	5.64
36	72	96	108	7.56
42	78	96	120	8.22
48	84	108	120	9.50
54	90	108	150	11.00
60	96	108	162	11.75
66	102	132	174	15.28
72	108	132	186	16.19

NOTES:

1) CITY OF MADISON STANDARD SPECIFICATIONS SHALL APPLY TO ALL INSTALLATIONS.

2) PIPES SHALL HAVE JOINT TIES PER STANDARD DETAIL DRAWING 5.4.6 & SECTION 504.2 (L).

3) WHERE RIPRAP IS CALLED FOR, PIPE 36" OR GREATER SHALL HAVE 50% OF THE RIPRAP PAD GRADED WITH A SLURRY GROUT MIX ON AN SMOOTH RIPRAP SURFACE.SLURRY GROUT SHALL BE TYPE B SLURRY PER SECTION 300 OF THE STANDARD SPECIFICATIONS.

4) TWIN APRON INSTALLATIONS SHALL BE GOVERNED BY THE OUTSIDE DIMENSIONS OF A SINGLE PIPE.

5) CONCRETE CUTOFF FOR RCP REQUIRED ONLY WHEN CALLED FOR ON PLANS.WHERE CONCRETE CUTOFF WALL IS CALLED FOR IT SHALL BE INCLUDED IN THE ENDWALL COST.

2018

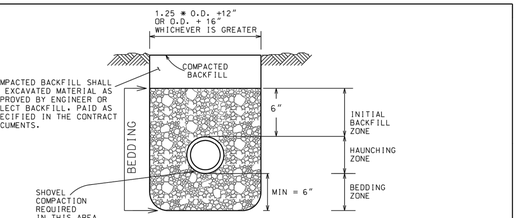
CITY OF MADISON
ENGINEERING DIVISION

RIPRAP AT APRON END WALLS

STANDARD DETAIL DRAWING 5.4.4

RIPRAP PLACEMENT & THICKNESS IN ACCORDANCE WITH ARTICLE 212.3

5.2.1A



BEDDING FOR TYPE II, TYPE III, AND TYPE IV STORM PIPE, SECTION 1 OF S.D.D 5.2.2

NOTES:

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE.
THE BEDDING INCLUDES THE HAUNCHING AND BEDDING & INITIAL BACKFILL ZONES.
THE BEDDING SHALL BE INSTALLED & COMPACTED IN 6" MAXIMUM LIFTS. AND SHOVEL COMPACTION UNDER THE HAUNCH OF PIPE IS REQUIRED.

ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12" ABOVE THE TOP OF THE PIPE. ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL. IF APPROVED. SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE WIN SPECIFIED PLUS 12", AND SHALL APPLY FROM THE BOTTOM OF THE TRENCH TO A POINT 12" ABOVE THE TOP OF THE PIPE. WHERE THIS WIDTH IS EXCEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT NO EXTRA COST. THE TYPE OF BEDDING SHALL BE DETERMINED BY THE ENGINEER.

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE.

DRAWING NOT TO SCALE

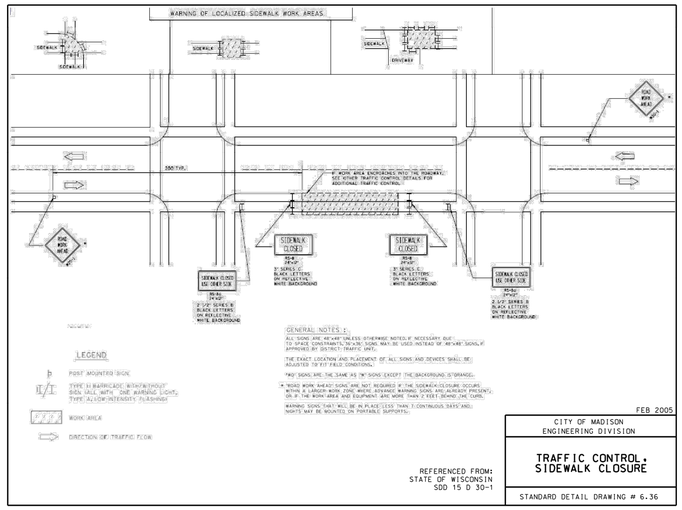
2017

CITY OF MADISON
ENGINEERING DIVISION

STORM PIPE BEDDING AND BACKFILL- SECTION 1 OF S.D.D.5.2.2

STANDARD DETAIL DRAWING 5.2.1A

6.36



FEB 2005

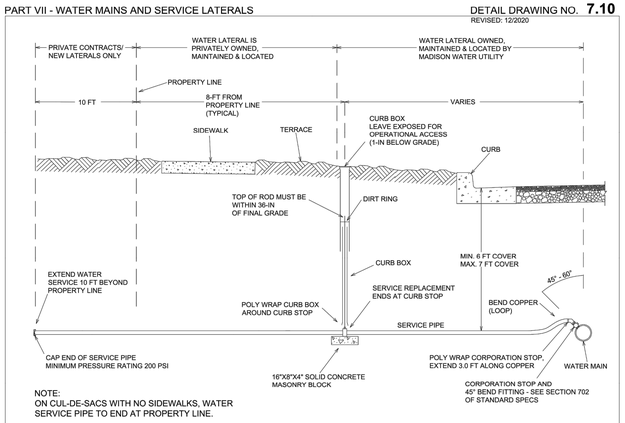
CITY OF MADISON
ENGINEERING DIVISION

TRAFFIC CONTROL: SIDEWALK CLOSURE

STANDARD DETAIL DRAWING # 6.36

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.10**
REVISED: 12/2020



NOTE:
ON CUL-DE-SACS WITH NO SIDEWALKS, WATER SERVICE PIPE TO END AT PROPERTY LINE.

CITY OF MADISON WATER UTILITY | NOT TO SCALE | SERVICE LATERAL INSTALLATION

City of Madison Standard Specifications for Public Works Construction

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

CITY OF MADISON DETAILS

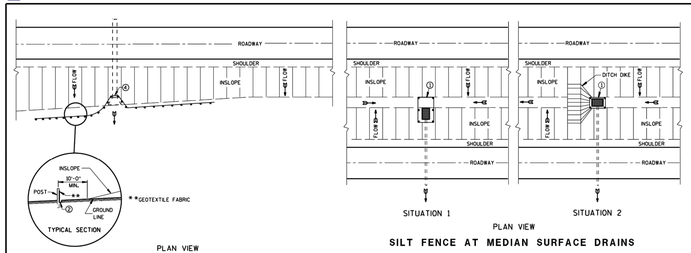
DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

C13

SDD 8e9 Silt Fence



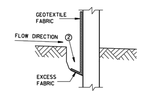
PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE

SILT FENCE AT MEDIAN SURFACE DRAINS

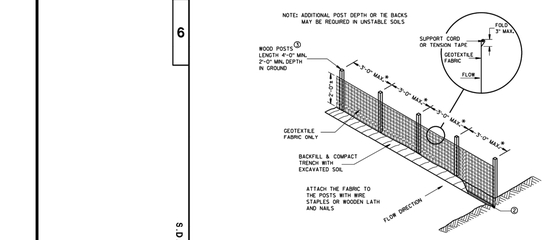
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

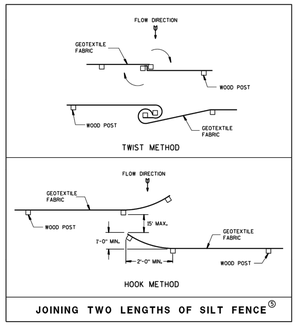
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



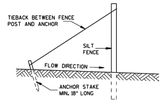
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤

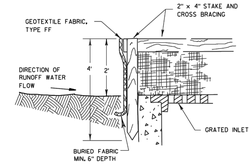


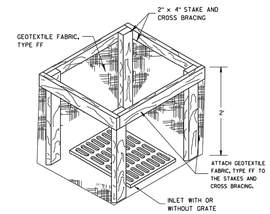
SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-29-05 DATE	/S/ Beth Cornestro CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

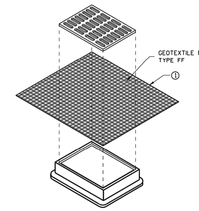
6 6 S.D.D. 8 E 9-6

SDD 8e10 Inlet Protection Type A, B, C and D

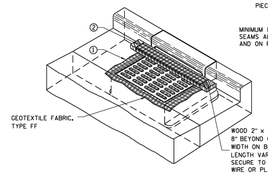




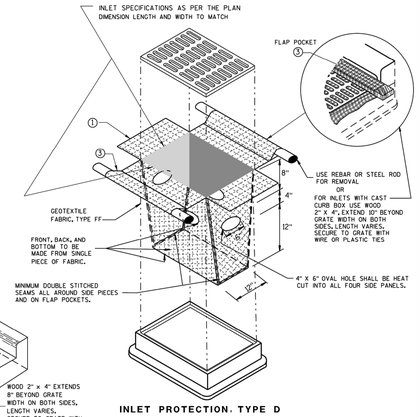
INLET PROTECTION, TYPE A



INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10-16-02 DATE	/S/ Beth Cornestro CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

6 6 S.D.D. 8 E 10-2

ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ----	----
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10. ----	----
11. ----	----
12. ----	----

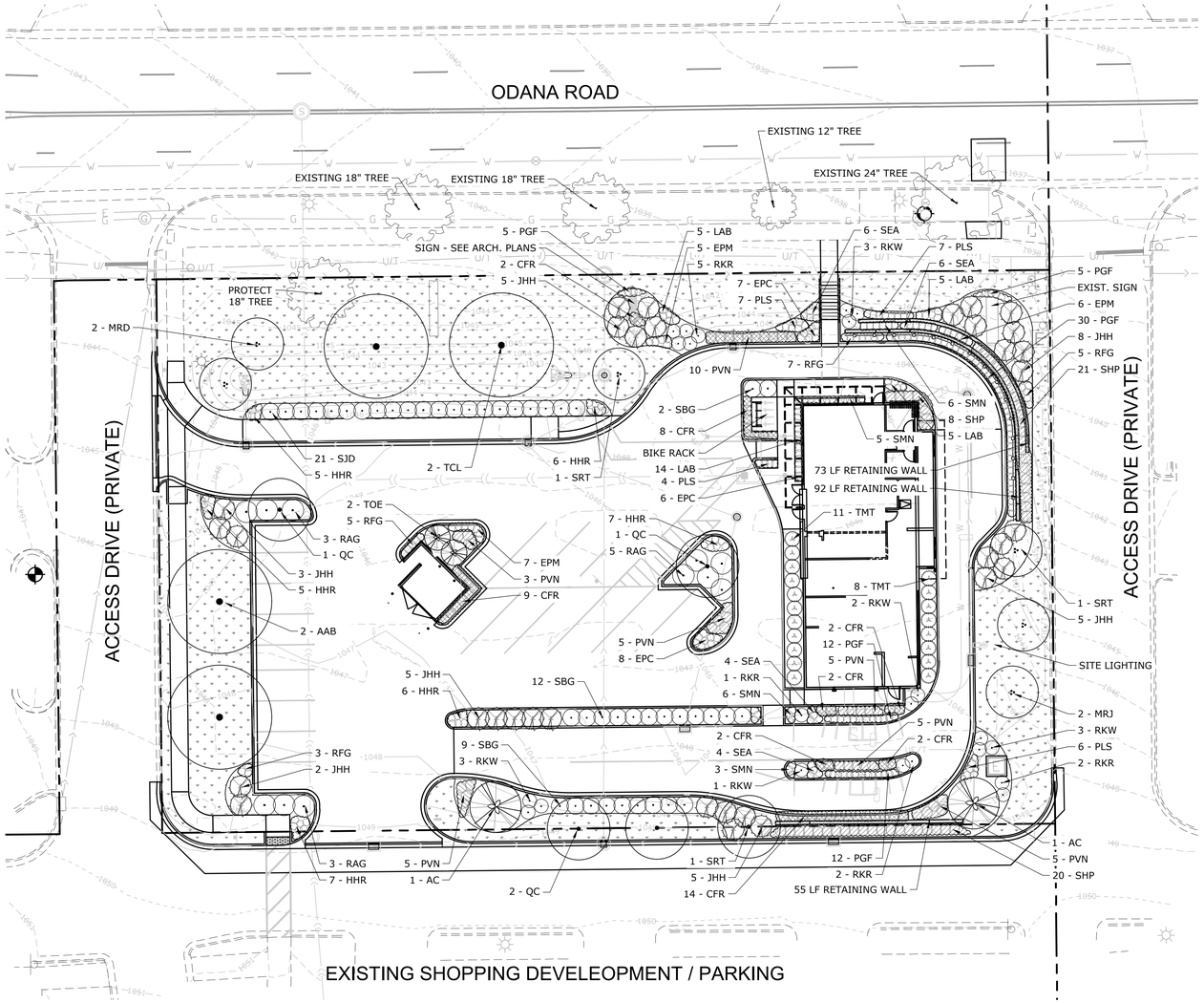
REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE
WISDOT DETAILS

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER
19055
C14



PLANT LIST

KEY	QTY	Botanical name COMMON NAME	SIZE	REMARKS
AAB	2	Acer x 'Autumn Brilliance' AUTUMN BRILLIANCE MAPLE	2.5"	
AC	2	Abies concolor WHITE FIR	6'	EVERGREEN
MRD	2	Malus x 'Ruby Daze' RUBY DAZE CRABAPPLE	7'	MULTI-STEMMED
MRJ	2	Malus x 'Red Jewel' RED JEWEL CRABAPPLE	7'	MULTI-STEMMED
QC	4	Quercus X 'Crimschmidt' CRIMSON SPIRE OAK	2.5"	COLUMNAR / HYBRID
SRT	3	Syringa reticula JAPANESE TREE LILAC	7'	MULTI-STEMMED
TCL	2	Tillia cordata LITTLE LEAF LINDEN	2"	
TOE	2	Thuja occidentalis 'Emerald' EMERALD GREEN ARBORVITAE	5'	EVERGREEN - UPRIGHT
JHH	33	Juniperus horizontalis 'Hughes' HUGHES SPREADING JUNIPER	5 GAL	EVERGREEN
RAG	11	Rhus aromatica 'Gro Lo' GROW LOW FRAGRANT SUMAC	5 GAL	
RKR	10	Rosa x 'Radrazz' KNOCK OUT RED ROSE	5 GAL	HYBRID - REBLOOMING
RKW	12	Rosa x 'Radwhite' KNOCK OUT WHITE ROSE	5 GAL	HYBRID - REBLOOMING
SBG	23	Spiraea betulifolia 'Glow Girl' GLOW GIRL TOR SPIREA	24"	
SJD	21	Spiraea japonica 'Galen' GALEN DOUBLE-PLAY ARTISAN SPIREA	24"	
TMT	19	Taxus media x 'Tauntonii' TAUNTON JAPANESE YEW	24"	EVERGREEN
CFR	41	Calamagrostis acutiflora 'Karl Forster' FEATHER REED GRASS	GAL	3'-0" O.C. - ORN. GRASS
EPC	21	Echinacea purperea 'Cheyenne' CHEYENNE MIXED CONEFLOWER	GAL	2'-0" O.C. - PERENNIAL
EPM	18	Echinacea purperea 'Magnus' PURPLE CONEFLOWER	GAL	2'-0" O.C. - PERENNIAL
HHR	30	Hemerocallis 'Happy Returns' HAPPY RETURNS DAYLILY	GAL	2'-0" O.C. - PERENNIAL
LAB	29	Lavandula angustifolia 'Balavurulu' BALAVURULU SUPER BLUE LAVANDER	GAL	2'-0" O.C. - PERENNIAL
PGF	64	Phlox x glaberrima 'Forever Pink' FOREVER PINK HYBRID PHLOX	GAL	2'-0" O.C. - PERENNIAL
PLS	24	Perovskia atriplicifolia 'Little Sprite' LITTLE SPRITE RUSSIAN SAGE	GAL	2'-0" O.C. - PERENNIAL
PVN	38	Pannicum virgatum x 'Apache Rose' APACHE ROSE SWITCH GRASS	GAL	2'-6" O.C. - ORN. GRASS
RFG	20	Rudbeckia fulgida 'Goldsturm' BLACK-EYED SUSAN	GAL	2'-0" O.C. - PERENNIAL
SEA	20	Sedum x 'Autumn Joy' AUTUMN JOY SEDUM	GAL	2'-0" O.C. - PERENNIAL
SMN	20	Salvia nemorosa 'May Night' MAY NIGHT MEADOW SAGE	GAL	2'-0" O.C. - PERENNIAL
SHP	49	Sporobolus heterolepis PRAIRIE DROPSEED	GAL	2'-6" O.C. - ORN. GRASS

N O R T H

0 20' 30' 40'

LEGEND

- MIXED PERENNIALS / ORNAMENTAL GRASSES
- EVERGREEN / DECIDUOUS SHRUBS
- LARGE DECIDUOUS SHADE TREE
- EVERGREEN TREE / ORNAMENTAL TREE
- SEED AREA FOR TURF WITHIN P.L. UNLESS OTHERWISE DIRECTED BY OWNER - SEE ENGINEERING PLANS
- EXISTING DECIDUOUS TREE TO REMAIN AND BE PROTECTED

WISCONSIN MATT P. ADAS LA-797-14 ROCKFORD, IL LANDSCAPE ARCHITECT

Exp. 7-31-2022

ZONING DATA

CATEGORY	AREA/QUANTITY	REQUIREMENT	PROVISION
DEVELOPED AREA LANDSCAPE	23,564 S.F (0.54 ACRE) DEVELOPED AREA	393 POINTS - (5 POINTS PER 300 S.F. DEVELOPED AREA)	1137 POINTS - TREES, SHRUBS, PERENNIALS & GRASSES
FRONTAGE LANDSCAPE	261 L.F. - ODANA RD.	9 TREES + 45 SHRUBS (1 TREE + 5 SHRUBS / 30 L.F. FRONTAGE)	9 TREES + 45 SHRUBS (2 SHADE TREES, 4 ORNAMENTAL TREES, 5 EXIST. TREES)
INTERIOR PARKING LOT LANSCAPING	13,611 S.F. - PARKING LOT	681 S.F - 5% OF PARKING LOT TO BE INTERIOR LANDSCAPE	952 S.F. - 7% OF PARKING LOT FOR INTERIOR LANDSCAPE AREA
FOUNDATION PLANTINGS	BUILDING FACADES	NO MIN. / MAX QUANTITY - REQUIRED ALONG ALL FACADES OR FOUNDATIONS NOT DIRECTLY ABUTING SIDEWALK, ETC.	PLANTINGS ALONG ALL FACADES OR FOUNDATIONS NOT DIRECTLY ABUTING SIDEWALK, ETC.
DISTRICT BOUNDARY SCREENING	N/A - SAME ZONING / USE	N/A - SAME ZONING / USE	N/A - SAME ZONING / USE

ARC DESIGN RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303

www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RD STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/27/2021
2. AGENCY REVIEW	02/04/2022
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

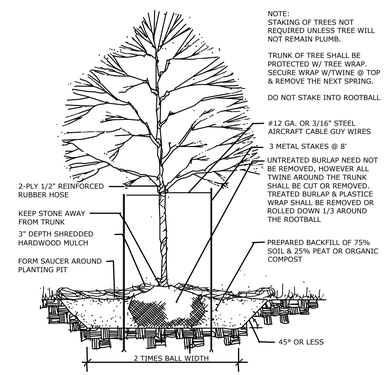
LANDSCAPING PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

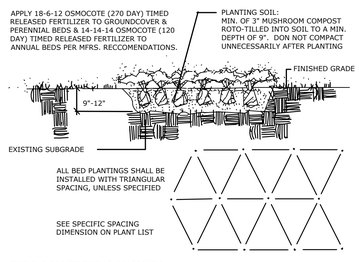
19055

L01



TREE PLANTING DETAIL

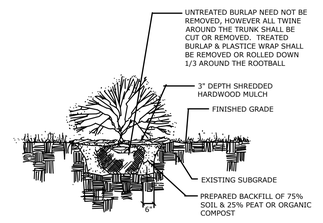
NOT TO SCALE



BED PLANTING DETAIL

(GROUNDCOVER, PERENNIALS & ANNUALS)

NOT TO SCALE



SHRUB PLANTING DETAIL

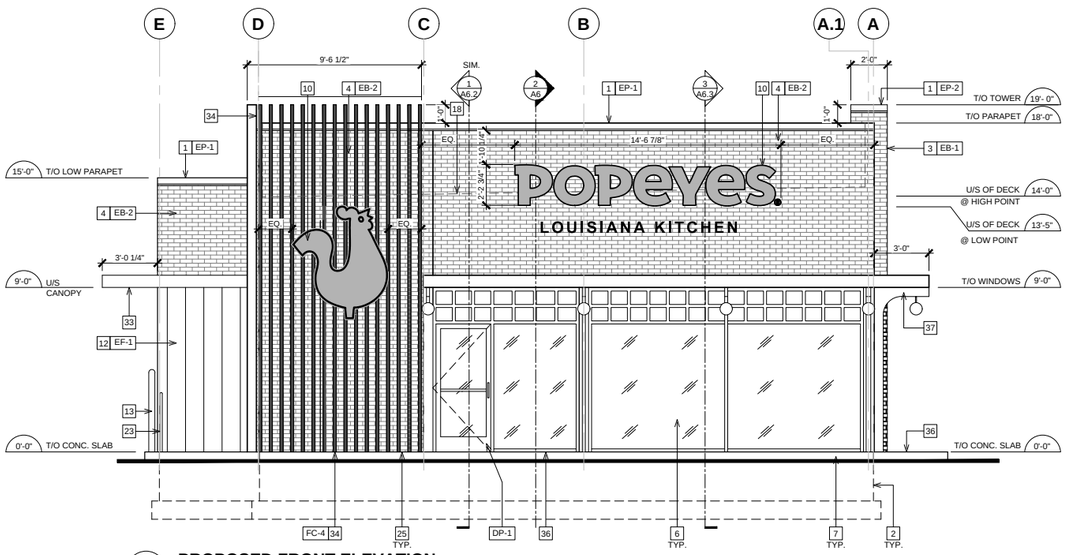
NOT TO SCALE

PLANTING NOTES

1. Landscape Contractor (Contractor) shall make a site visit prior to bidding/construction to inspect the current site conditions and review proposed planting plan and related work. Contractor shall report any discrepancies in the field to the Landscape Architect and/or Owner.
2. Contractor shall verify locations of all underground utilities prior to begining construction on his phase of work. Electric, gas, telephone, and cable television can be located by calling J.U.L.I.E. at '811'. For regional locating, contact "Digger's Hotline". Any damage or interruption of services shall be the responsibility of the contractor. Contractor to coordinate all related activities with other trades on the job and shall report any unacceptable job conditions to owner's representative prior to commencing work.
3. Contractor is responsible for application and cost of all necessary building permits and code verifications. Submit copies of all documents to owner and landscape architect.
4. Contractor shall grade entire site to correct surface irregularities in preparation for sod/seed. Roto-til, disc, drag, harrow or hand rake sub grade in all lawn areas and remove construction debris, foreign matter or stones larger than 2". Grading shall provide slopes which are smooth, continuous, free from depressions or ridges. Level, rake and roll as necessary to an even and true condition and obtain positive drainage in all areas. Finish grades shall meet the approval of owner prior to lawn installation.
5. All disturbed areas should be brought to grade with "topsoil" to a depth of 6 inches in areas to be seeded or sodded, and 12 inches for all interior (curbed) landscape islands All lawn areas are to be finished with mulch, straw mulch, seed, sod, etc. or as noted. All lawn areas to be watered until a healthy stand of grass is established. (see seed/sod notes for acceptance details).
6. Quantity lists are supplied as a convenience; however, the contractor should verify all quantities. The drawings shall take precedence over the lists.
7. Plantings may need to be adjusted in the field to accommodate utilities, easements, drainage ways, downspouts, etc.; however, quantities and sizes shall remain consistent with these plans.
8. Size & grading standards of plant material shall conform to the latest addition of ANSI Z60.1 AMERICAN STANDARD OF NURSERY STOCK, by the American Nursery & Landscape Association. Plant material shall be nursery grown and be either balled and burlap or container grown.
9. All plant species specified are subject to availability. Material shortages in the landscape industry may require substitutions. All substitutions must be approved by the Landscape Architect and/or Owner.
10. Any plant materials with damaged or crooked/disfigured leaders, bark abrasion, sun scald, insect damage, etc. are not acceptable and will be rejected by Landscape Architect and/or Owner. Trees with multiple leaders will be rejected unless called for in the plant list as multi-stem or clump.
11. All plant material, especially trees, must be sourced within a fifty (80) mile radius of the subject property construction site.
12. Upon inspection and acceptance of all landscape items by Landscape Architect and/or Owner the contractor shall assume maintenance responsibilities for a period of thirty (30) days, for all plant material, to include: watering, cultivating, weeding, pruning, mulching and spraying as necessary to keep plants free of insects and in a healthy, vigorous condition until responsibility is transferred to the owner (see below).
13. All plant material shall be guaranteed for one (1) year after acceptance by landscape architect and/or owner. After the first thirty (30) days, the owner shall assume maintenance responsibilities as described (see above). Contractor shall replace without cost to owner any dead or unacceptable plants, as determined by the landscape architect at the end of one (1) year guarantee period. Contractor shall notify immediately, in writing, any concerns related to maintenance practices.
14. All planting beds and tree saucers shall be mulched continuous with 3" depth shredded hardwood mulch, see planting details. All deciduous trees (shade / ornamental) that are not located in in a planting bed shall be mulched with a 3'-0" diameter circle. Evergreen trees and mulit-stemmed ornamental trees shall be mulched to outer-most branches at the time of installation.
15. Planting edge delineation at all planting bed lines and tree saucers shall require a minimum 4" depth "vee" shaped cultivated, spaded edge with a vertical face abutting all lawn areas and sloped to inside of plant bed continuous between lawn and mulched areas as indicated on plan.
16. Contractor to seed all disturbed lawn areas. Seeded lawn to be a combination of bluegrass, perennial rye and red fescue with the suggested following analysis by weight: 30% rugby Kentucky bluegrass, 20% park Kentucky bluegrass, 20% creeping red fescue, 20% scaldis hard fescue, and 10% perennial ryegrass. Seed to be applied at a rate of 4 lbs. per 1,000 s.f.. All seeded lawn areas shall be covered with straw mulch or erosion control netting, consisting of hand or machine application at a rate of 2 ton per acre. Mulch shall be compact enough to reduce erosion of seed and topsoil but loose enough to allow air to circulate. Install per Method 1, Section 251, of the Standard Specifications for Road and Bridge Construction.
17. All seeded turf areas shall be fertilized at installation with 6-20-20 analysis, at a rate of 6 lbs. per 1,000 s.f.. A second application of 21-7-14 to be applied at rate of 6 lbs. per 1,000 s.f. after the first cutting. Acceptance and guarantee notes shall apply to all seeded areas.
18. Acceptance of grading and seed shall be by landscape architect and/or owner. Contractor shall assume maintenance responsibilities for a minimum of sixty (60) days or until second cutting, whichever is longer. Maintenance shall include watering, weeding, re-seeding (wash-offs) and other operations necessary to keep lawn in a thriving condition. Upon final acceptance, owner shall assume all maintenance responsibilities. After lawn areas have germinated, areas which fail to show a uniform stand of grass for any reason whatsoever shall be re-seeded repeatedly until all areas are covered with a satisfactory stand of grass. Minimum acceptance of seeded lawn areas may include scattered bare or dead spots, none of which are larger than one (1) square foot and when combined do not exceed 2% of total lawn area.

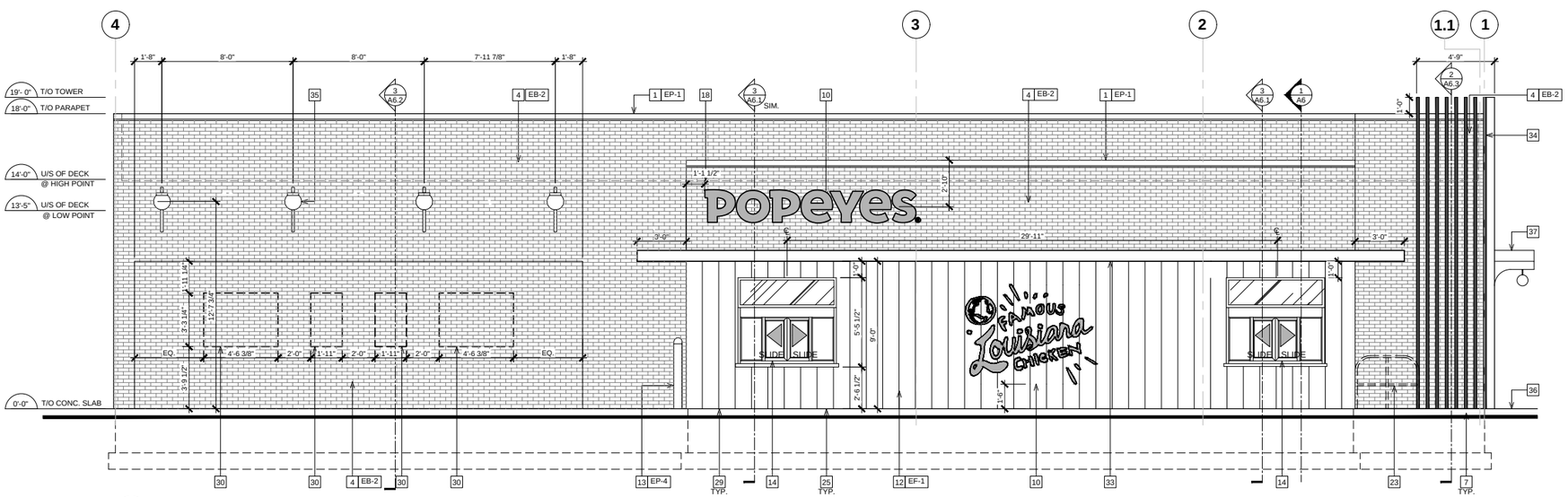
EXTERIOR DESIGN

POPEYES LOUISIANA KITCHEN



1 A5 **PROPOSED FRONT ELEVATION**

SCALE: 1/4"=1' - 0"



2 A5 **PROPOSED DT ELEVATION**

SCALE: 1/4"=1' - 0"

EXTERIOR FINISH SCHEDULE

TAG	PRODUCT	MANUF.	PATTERN & COLOUR
EB-1	GLEN- GERY FACE BRICK CHERRY CREEK WILLIAMSBURG RED	GLEN-GERY	GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
EB-2	GLEN- GERY FACE BRICK ASPEN WHITE WIRECUT WHITE W804	GLEN-GERY	GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
EF-1	VINTAGEWOOD AWP 3030	NICHIHA	SIZE: 17-7/8" HIGH x 119-5/16" LONG, COLOUR: CEDAR. NOTE: FIBER CEMENT BOARD TO BE INSTALLED WITH NICHIHA ALUMINUM TRIM PIECES, STARTER CLIPS & JOINTS (COLOUR: MATCH 'CEDAR')
FC-4	VERTICAL SIMULATED WOOD SLATS		
EP-1	EXTERIOR PAINT	BENJAMIN MOORE	WHITE BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: OC-125 MOONLIGHT WHITE
EP-2	EXTERIOR PAINT	BENJAMIN MOORE	RED BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: 2105-20 ROOT BEER CANDY
EP-3	EXTERIOR PAINT	BENJAMIN MOORE	DUMPSTER WALLS AND REAR DOOR ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: HC-170 STONINGTON GREY
EP-4	EXTERIOR PAINT	BENJAMIN MOORE	BOLLARDS COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: SAFETY YELLOW
EP-5	METAL PAINT	BENJAMIN MOORE	DUMPSTER GATES COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: FACTORY FINISH BLACK
EP-6	ANTI GRAFFITI COAT	BENJAMIN MOORE	EXTERIOR WALLS ALIPHATIC ACRYLIC URETHANE COLOR: V500-00 CLEAR
P-08	EXTERIOR METAL PAINTS & METAL RAILING	SHERWIN WILLIAMS	PAINT FOR FASCIAS AND/OR EXTERIOR METALS (SOFFITS, TRIM, ETC.) TO MATCH SURROUNDING COLOURS WHERE NECESSARY SHERWIN WILLIAMS "IRON ORE SW7069" MIN. 2 COATS SPRAY APPLICATION
MC-1	PREFINISHED METAL FLASHING	FIRESTONE BUILDING PRODUCTS	COLOR: TBD *SEALANT: TITEBOND WEATHER MASTER SEALANT COLOR: 61121 BLACK
DP-1	DOOR	STOREFRONT MANUFACTURER	MAIN ENTRANCE DOOR - ORANGE PANTONE #3564 C

GENERAL NOTES

1. SEALANT / CAULKING AROUND DOOR / WINDOW FRAMES. COLOUR: TO MATCH WINDOW / DOOR FRAMES.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DRAWINGS AND SPECIFICATIONS.

SYMBOL LEGEND

1	NOTE REFERENCE REFER TO ELEVATION NOTES
FN#	FINISH TYPE

EXTERIOR ELEVATION NOTES

1. PRE-FINISHED METAL CAP FLASHING C/W DRIP.
2. N/A.
3. GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
4. GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
5. N/A.
6. PRE-FINISHED 'BLACK ANODIZED' ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING.
7. EXPOSED FOUNDATION TO BE PARGED AND FREE OF IMPERFECTIONS.
8. GAS UTILITY METER.
9. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALL AND FOOTING DETAILS.
10. INTERNALLY ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL $\frac{3}{4}$" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING AND ALL FINAL ELECTRICAL CONNECTION. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
11. NON-ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL $\frac{3}{4}$" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING., SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
12. NICHIHA VINTAGE WOOD, COLOR: CEDAR.
13. PROVIDE & INSTALL 6" DIAMETER STEEL PIPE BOLLARD TOP AT 4'-6" A.F.F. G.C. TO PAINT "SAFETY YELLOW". REFER TO POPEYES MASTER SCHEDULE.
14. DRIVE-THRU WINDOW. REFER TO DRIVE-THRU WINDOW SCHEDULE ON SHEET A11.
15. N/A.
16. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE WITH CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
17. N/A.
18. DASHED LINE INDICATES T/O OF ROOF BEHIND PARAPET.
19. C/T CABINET AND METER.
20. LINE OF PARAPET WALLS BEYOND.
21. GENERAL PURPOSE EXTERIOR LIGHTING FIXTURES.
22. WALK-IN COOLER/FREEZER FINISH TO BE COMPLETED BY MANUFACTURER.
23. METAL RAILING SUPPLIED AND INSTALLED BY G.C (ONLY IF REQUIRED). ARCHITECT TO COORDINATE WITH CIVIL ENGINEER ON THE SITE PLAN. PAINT FINISH 'BLACK'.
24. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
25. ALL BASE FLASHING TO MATCH ADJACENT MATERIAL COLORS.
26. HOSE BIB. G.C. TO PAINT. COLOR TO MATCH ADJACENT MATERIAL COLORS. COORDINATE EXACT LOCATION WITH G.C. REFER TO MECHANICAL DRAWINGS.
27. N/A.
28. DECORATIVE PANELS SUPPLY AND INSTALL BY SIGN COMPANY.
29. G.C TO PROVIDE CONCRETE CURB ALONG DRIVE-THRU LANE. CURB TO PROJECT 8" FROM FACE OF PANELS AND LENGTH OF CURB IS EXTENT OF FEATURE WALL.
30. MURAL GRAPHIC SUPPLY AND INSTALL BY SIGN COMPANY.
31. REAR EXIT DOOR TO BE PAINT WHITE.
32. WALL SCONCE SUPPLY AND INSTALL BY SIGN COMPANY.
33. PRE-FABRICATED CANOPIES W/ PRE-WIRED RECESSED LIGHTS ABOVE DRIVE-THRU SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. ALL CANOPIES IN WALL SUPPORT BY G.C. REFER TO STRUCTURAL DRAWINGS.
34. VERTICAL SIMULATED WOOD SLATS.
35. WALL SCONCE LIGHTING. REFER TO ELECTRICAL SCHEDULE.
36. CONCRETE SIDEWALK (BY G.C). REFER TO SITE PLAN.
37. HORIZONTAL WOOD GRAIN ENTRANCE CANOPY W/ TEAL VERTICAL & HORIZONTAL SUPPORTS SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. PRE-WIRED LED LIGHT GLOBE FIXTURE.

ISSUE TABLE

No.	Date (mm/dd/yy)	Description
01	02-02-2022	2136 PROTOTYPE WITH FULL BRICK

REVISIONS

No.	Date	Description

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description

POPEYES LOUISIANA KITCHEN
6831 ODANA ROAD,
MADISON, WISCONSIN

THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN . COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES.

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

DESIGN GUIDELINE ONLY -
NOT FOR PERMIT OR CONSTRUCTION

Company Logo

LINDENGROUP
ARCHITECTURE
LAND PLANNING
INTERIOR ARCHITECTURE
LANDSCAPE ARCHITECTURE
10100 ORLAND PARKWAY SUITE 110
ORLAND PARK, ILLINOIS 60467
(708) 799-4400
WWW.LINDENGROUPINC.COM

Project

LOUISIANA KITCHEN 1972
POPEYES

Store Type
US 2136 MODEL
2136-21

Location
PROTOTYPE
2136 (U.S.)
CITY, STATE

Drawing Title
EXTERIOR
ELEVATIONS

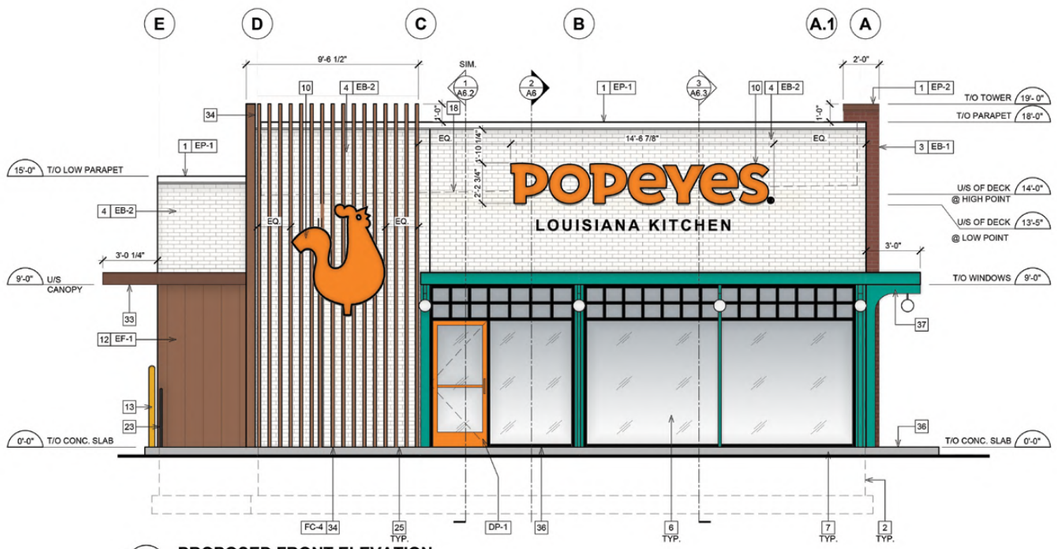
Drawn	Checked
XX	XX
Scale 1/4"=1'-0"	Date 02/02/2022
Project No. 2021_0061	Drawing No. A5

POPEYES LOUISIANA KITCHEN MODEL 2136, 6831 ODANA ROAD, MADISON, WISCONSIN: 2136 PROTOTYPE DOCUMENTS (FULL BRICK) STORE NO. XXXXX

EB-1

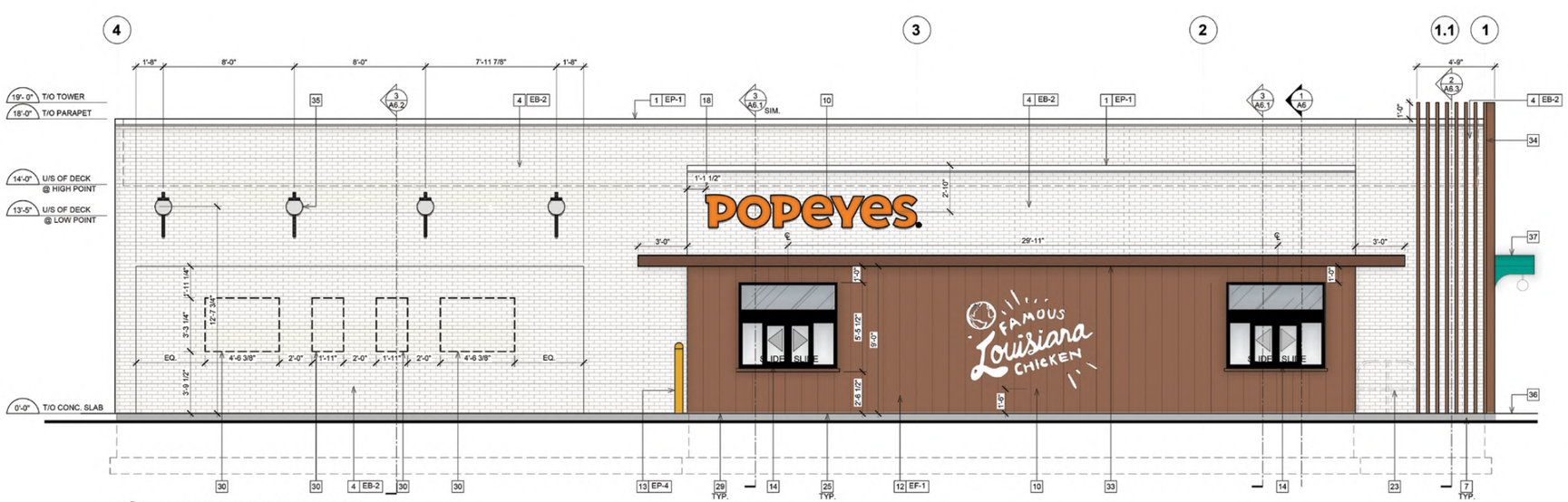
EB-2

EF-1



1 A5 **PROPOSED FRONT ELEVATION**

SCALE: 1/4"=1' - 0"



2 A5 **PROPOSED DT ELEVATION**

SCALE: 1/4"=1' - 0"

EXTERIOR FINISH SCHEDULE

TAG	PRODUCT	MANUF.	PATTERN & COLOUR
EB-1	GLEN- GERY FACE BRICK CHERRY CREEK WILLIAMSBURG RED	GLEN-GERY	GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
EB-2	GLEN- GERY FACE BRICK ASPEN WHITE WIRECUT WHITE W804	GLEN-GERY	GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
EF-1	VINTAGEWOOD AWP 3030	NICHIHA	SIZE: 17-7/8" HIGH x 119-5/16" LONG, COLOUR: CEDAR. NOTE: FIBER CEMENT BOARD TO BE INSTALLED WITH NICHIHA ALUMINUM TRIM PIECES, STARTER CLIPS & JOINTS (COLOUR: MATCH 'CEDAR')
FC-4	VERTICAL SIMULATED WOOD SLATS		
EP-1	EXTERIOR PAINT	BENJAMIN MOORE	WHITE BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: OC-125 MOONLIGHT WHITE
EP-2	EXTERIOR PAINT	BENJAMIN MOORE	RED BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: 2105-20 ROOT BEER CANDY
EP-3	EXTERIOR PAINT	BENJAMIN MOORE	DUMPSTER WALLS AND REAR DOOR ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: HC-170 STONINGTON GREY
EP-4	EXTERIOR PAINT	BENJAMIN MOORE	BOLLARDS COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: SAFETY YELLOW
EP-5	METAL PAINT	BENJAMIN MOORE	DUMPSTER GATES COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: FACTORY FINISH BLACK
EP-6	ANTI GRAFFITI COAT	BENJAMIN MOORE	EXTERIOR WALLS ALIPHATIC ACRYLIC URETHANE COLOR: V500-00 CLEAR
P-08	EXTERIOR METAL PAINTS & METAL RAILING	SHERWIN WILLIAMS	PAINT FOR FASCIAS AND/OR EXTERIOR METALS (SOFFITS, TRIM, ETC.) TO MATCH SURROUNDING COLOURS WHERE NECESSARY SHERWIN WILLIAMS "IRON ORE SW7069" MIN. 2 COATS SPRAY APPLICATION
MC-1	PREFINISHED METAL FLASHING	FIRESTONE BUILDING PRODUCTS	COLOR: TBD *SEALANT: TITEBOND WEATHER MASTER SEALANT COLOR: 61121 BLACK
DP-1	DOOR	STOREFRONT MANUFACTURER	MAIN ENTRANCE DOOR - ORANGE PANTONE #3564 C

GENERAL NOTES

1. SEALANT / CAULKING AROUND DOOR / WINDOW FRAMES. COLOUR: TO MATCH WINDOW / DOOR FRAMES.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DRAWINGS AND SPECIFICATIONS.

SYMBOL LEGEND

1	NOTE REFERENCE REFER TO ELEVATION NOTES
FN#	FINISH TYPE

EXTERIOR ELEVATION NOTES

1. PRE-FINISHED METAL CAP FLASHING C/W DRIP.
2. N/A.
3. GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
4. GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
5. N/A.
6. PRE-FINISHED 'BLACK ANODIZED' ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING.
7. EXPOSED FOUNDATION TO BE PARGED AND FREE OF IMPERFECTIONS.
8. GAS UTILITY METER.
9. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALL AND FOOTING DETAILS.
10. INTERNALLY ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C.TO PROVIDE AND INSTALL ¾" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING AND ALL FINAL ELECTRICAL CONNECTION. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
11. NON-ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL ¾" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING.. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
12. NICHIHA VINTAGE WOOD, COLOR: CEDAR.
13. PROVIDE & INSTALL 6" DIAMETER STEEL PIPE BOLLARD TOP AT 4'-6" A.F.F. G.C. TO PAINT "SAFETY YELLOW". REFER TO POPEYES MASTER SCHEDULE.
14. DRIVE-THRU WINDOW. REFER TO DRIVE-THRU WINDOW SCHEDULE ON SHEET A11.
15. N/A.
16. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE WITH CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
17. N/A.
18. DASHED LINE INDICATES T/O OF ROOF BEHIND PARAPET.
19. C/T CABINET AND METER.
20. LINE OF PARAPET WALLS BEYOND.
21. GENERAL PURPOSE EXTERIOR LIGHTING FIXTURES.
22. WALK-IN COOLER/FREEZER FINISH TO BE COMPLETED BY MANUFACTURER.
23. METAL RAILING SUPPLIED AND INSTALLED BY G.C (ONLY IF REQUIRED). ARCHITECT TO COORDINATE WITH CIVIL ENGINEER ON THE SITE PLAN. PAINT FINISH 'BLACK'.
24. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
25. ALL BASE FLASHING TO MATCH ADJACENT MATERIAL COLORS.
26. HOSE BIB. G.C. TO PAINT. COLOR TO MATCH ADJACENT MATERIAL COLORS. COORDINATE EXACT LOCATION WITH G.C. REFER TO MECHANICAL DRAWINGS.
27. N/A.
28. DECORATIVE PANELS SUPPLY AND INSTALL BY SIGN COMPANY.
29. G.C TO PROVIDE CONCRETE CURB ALONG DRIVE-THRU LANE. CURB TO PROJECT 8" FROM FACE OF PANELS AND LENGTH OF CURB IS EXTENT OF FEATURE WALL.
30. MURAL GRAPHIC SUPPLY AND INSTALL BY SIGN COMPANY.
31. REAR EXIT DOOR TO BE PAINT WHITE.
32. WALL SCONCE SUPPLY AND INSTALL BY SIGN COMPANY.
33. PRE-FABRICATED CANOPIES W/ PRE-WIRED RECESSED LIGHTS ABOVE DRIVE-THRU SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. ALL CANOPIES IN WALL SUPPORT BY G.C. REFER TO STRUCTURAL DRAWINGS.
34. VERTICAL SIMULATED WOOD SLATS.
35. WALL SCONCE LIGHTING. REFER TO ELECTRICAL SCHEDULE.
36. CONCRETE SIDEWALK (BY G.C). REFER TO SITE PLAN.
37. HORIZONTAL WOOD GRAIN ENTRANCE CANOPY W/ TEAL VERTICAL & HORIZONTAL SUPPORTS SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. PRE-WIRED LED LIGHT GLOBE FIXTURE.

ISSUE TABLE

No.	Date (mm/dd/yy)	Description
01	02-02-2022	2136 PROTOTYPE WITH FULL BRICK

REVISIONS

No.	Date	Description

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description

POPEYES LOUISIANA KITCHEN
6831 ODANA ROAD,
MADISON, WISCONSIN

THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES.

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

DESIGN GUIDELINE ONLY -
NOT FOR PERMIT OR CONSTRUCTION

Company Logo

LINDENGROUP
ARCHITECTURE
LAND PLANNING
INTERIOR ARCHITECTURE
LANDSCAPE ARCHITECTURE
10100 ORLAND PARKWAY SUITE 110
ORLAND PARK, ILLINOIS 60467
(708) 799-4400
WWW.LINDENGROUPINC.COM

Project

Store Type
US 2136 MODEL
2136-21

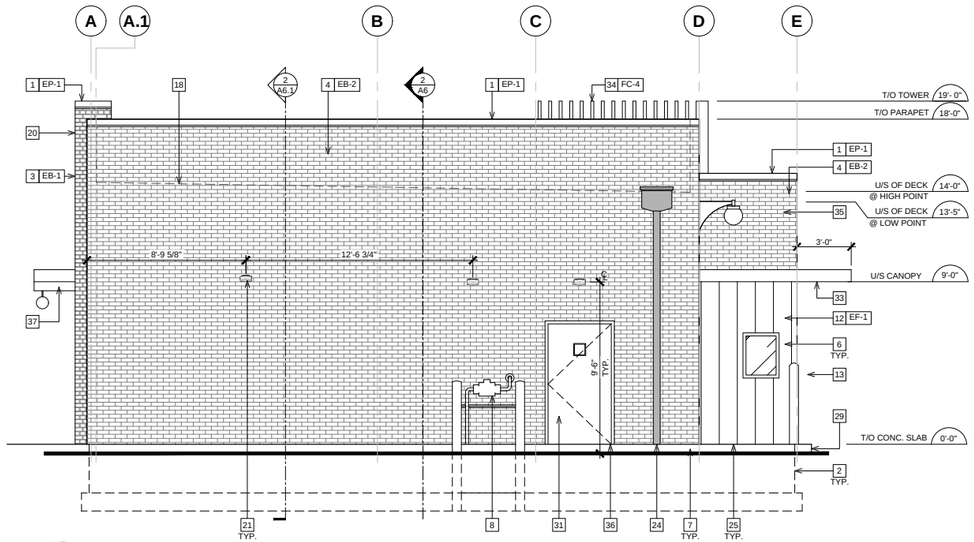
Location
PROTOTYPE
2136 (U.S.)
CITY, STATE

Drawing Title
EXTERIOR
ELEVATIONS

Drawn	Checked
XX	XX
Scale 1/4"=1'-0"	Date 02/02/2022
Project No. 2021_0061	Drawing No. A5

POPEYES LOUISIANA KITCHEN MODEL 2136, 6831 ODANA ROAD, MADISON, WISCONSIN: 2136 PROTOTYPE DOCUMENTS (FULL BRICK) STORE NO. XXXXX

EXTERIOR DESIGN
POPEYES LOUISIANA KITCHEN



1 / A5.1 **PROPOSED REAR ELEVATION**
SCALE: 1/4"=1' - 0"

EXTERIOR FINISH SCHEDULE

TAG	PRODUCT	MANUF.	PATTERN & COLOUR
EB-1	GLEN- GERY FACE BRICK CHERRY CREEK WILLIAMSBURG RED	GLEN-GERY	GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
EB-2	GLEN- GERY FACE BRICK ASPEN WHITE WIRECUT WHITE W804	GLEN-GERY	GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
EF-1	VINTAGEWOOD AWP 3030	NICHIHA	SIZE: 17-7/8" HIGH x 119-5/16" LONG, COLOUR: CEDAR. NOTE: FIBER CEMENT BOARD TO BE INSTALLED WITH NICHIHA ALUMINUM TRIM PIECES, STARTER CLIPS & JOINTS (COLOUR: MATCH 'CEDAR')
FC-4	VERTICAL SIMULATED WOOD SLATS		
EP-1	EXTERIOR PAINT	BENJAMIN MOORE	WHITE BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: OC-125 MOONLIGHT WHITE
EP-2	EXTERIOR PAINT	BENJAMIN MOORE	RED BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: 2105-20 ROOT BEER CANDY
EP-3	EXTERIOR PAINT	BENJAMIN MOORE	DUMPSTER WALLS AND REAR DOOR ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: HC-170 STONINGTON GREY
EP-4	EXTERIOR PAINT	BENJAMIN MOORE	BOLLARDS COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: SAFETY YELLOW
EP-5	METAL PAINT	BENJAMIN MOORE	DUMPSTER GATES COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: FACTORY FINISH BLACK
EP-6	ANTI GRAFFITI COAT	BENJAMIN MOORE	EXTERIOR WALLS ALIPHATIC ACRYLIC URETHANE COLOR: V500-00 CLEAR
P-08	EXTERIOR METAL PAINTS & METAL RAILING	SHERWIN WILLIAMS	PAINT FOR FASCIAS AND/OR EXTERIOR METALS (SOFFITS, TRIM, ETC.) TO MATCH SURROUNDING COLOURS WHERE NECESSARY SHERWIN WILLIAMS "IRON ORE SW7069" MIN. 2 COATS SPRAY APPLICATION
MC-1	PREFINISHED METAL FLASHING	FIRESTONE BUILDING PRODUCTS	COLOR: TBD *SEALANT: TITEBOND WEATHER MASTER SEALANT COLOR: 61121 BLACK
DP-1	DOOR	STOREFRONT MANUFACTURER	MAIN ENTRANCE DOOR - ORANGE PANTONE #3564 C

GENERAL NOTES

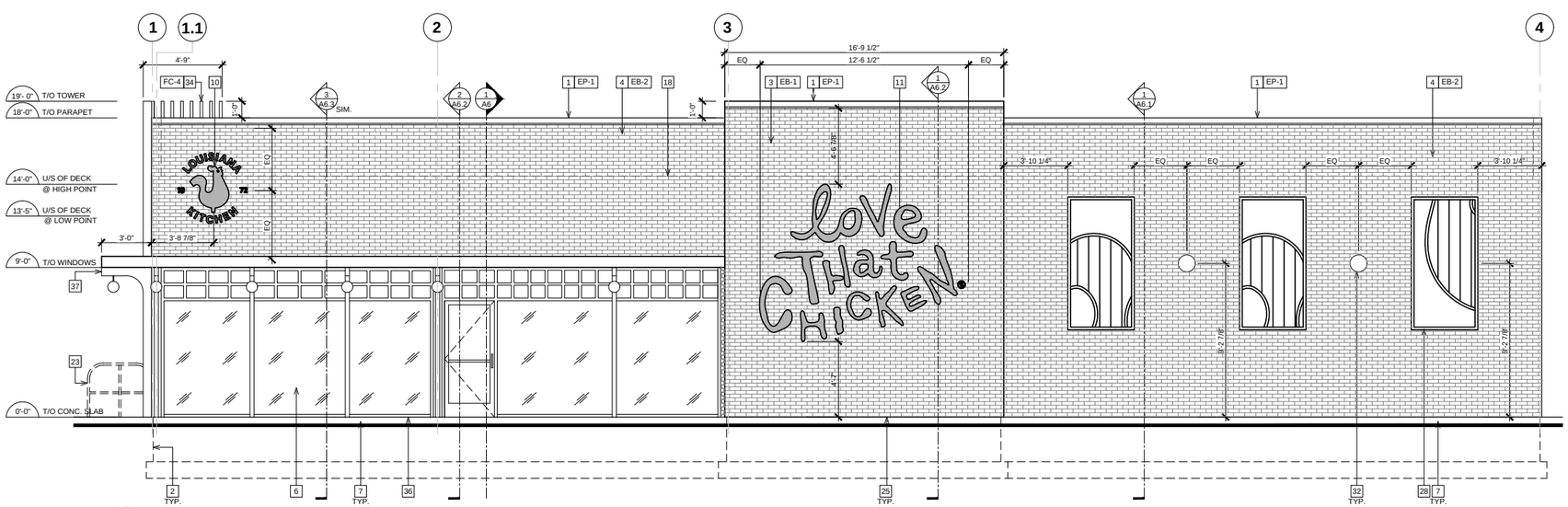
1. SEALANT / CAULKING AROUND DOOR / WINDOW FRAMES. COLOUR: TO MATCH WINDOW / DOOR FRAMES.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DRAWINGS AND SPECIFICATIONS.

SYMBOL LEGEND

1	NOTE REFERENCE REFER TO ELEVATION NOTES
FN#	FINISH TYPE

EXTERIOR ELEVATION NOTES

1. PRE-FINISHED METAL CAP FLASHING C/W DRIP.
2. N/A.
3. GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
4. GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
5. N/A.
6. PRE-FINISHED 'BLACK ANODIZED' ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING.
7. EXPOSED FOUNDATION TO BE PARGED AND FREE OF IMPERFECTIONS.
8. GAS UTILITY METER.
9. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALL AND FOOTING DETAILS.
10. INTERNALLY ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL ¾" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING AND ALL FINAL ELECTRICAL CONNECTION. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
11. NON-ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL ¾" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING.. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
12. NICHIHA VINTAGE WOOD, COLOR: CEDAR.
13. PROVIDE & INSTALL 6" DIAMETER STEEL PIPE BOLLARD TOP AT 4'-6" A.F.F. G.C. TO PAINT "SAFETY YELLOW". REFER TO POPEYES MASTER SCHEDULE.
14. DRIVE-THRU WINDOW. REFER TO DRIVE-THRU WINDOW SCHEDULE ON SHEET A11.
15. N/A.
16. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE WITH CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
17. N/A.
18. DASHED LINE INDICATES T/O OF ROOF BEHIND PARAPET.
19. C/T CABINET AND METER.
20. LINE OF PARAPET WALLS BEYOND.
21. GENERAL PURPOSE EXTERIOR LIGHTING FIXTURES.
22. WALK-IN COOLER/FREEZER FINISH TO BE COMPLETED BY MANUFACTURER.
23. METAL RAILING SUPPLIED AND INSTALLED BY G.C (ONLY IF REQUIRED). ARCHITECT TO COORDINATE WITH CIVIL ENGINEER ON THE SITE PLAN. PAINT FINISH 'BLACK'.
24. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
25. ALL BASE FLASHING TO MATCH ADJACENT MATERIAL COLORS.
26. HOSE BIB. G.C. TO PAINT. COLOR TO MATCH ADJACENT MATERIAL COLORS. COORDINATE EXACT LOCATION WITH G.C. REFER TO MECHANICAL DRAWINGS.
27. N/A.
28. DECORATIVE PANELS SUPPLY AND INSTALL BY SIGN COMPANY.
29. G.C TO PROVIDE CONCRETE CURB ALONG DRIVE-THRU LANE. CURB TO PROJECT 8" FROM FACE OF PANELS AND LENGTH OF CURB IS EXTENT OF FEATURE WALL.
30. MURAL GRAPHIC SUPPLY AND INSTALL BY SIGN COMPANY.
31. REAR EXIT DOOR TO BE PAINT WHITE.
32. WALL SCONCE SUPPLY AND INSTALL BY SIGN COMPANY.
33. PRE-FABRICATED CANOPIES W/ PRE-WIRED RECESSED LIGHTS ABOVE DRIVE-THRU SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. ALL CANOPIES IN WALL SUPPORT BY G.C. REFER TO STRUCTURAL DRAWINGS.
34. VERTICAL SIMULATED WOOD SLATS.
35. WALL SCONCE LIGHTING. REFER TO ELECTRICAL SCHEDULE.
36. CONCRETE SIDEWALK (BY G.C). REFER TO SITE PLAN.
37. HORIZONTAL WOOD GRAIN ENTRANCE CANOPY W/ TEAL VERTICAL & HORIZONTAL SUPPORTS SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. PRE-WIRED LED LIGHT GLOBE FIXTURE.



2 / A5.1 **PROPOSED SIDE ELEVATION**
SCALE: 1/4"=1' - 0"

ISSUE TABLE

No.	Date (mm/dd/yy)	Description
01	02-02-2022	2136 PROTOTYPE WITH FULL BRICK

REVISIONS

No.	Date	Description

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description

POPEYES LOUISIANA KITCHEN
6831 ODANA ROAD,
MADISON, WISCONSIN

THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN. COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES.

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

DESIGN GUIDELINE ONLY -
NOT FOR PERMIT OR CONSTRUCTION

Company Logo

LINDENGROUP
ARCHITECTURE
LAND PLANNING
INTERIOR ARCHITECTURE
LANDSCAPE ARCHITECTURE
10100 ORLAND PARKWAY SUITE 110
ORLAND PARK, ILLINOIS 60467
(708) 799-4400
WWW.LINDENGROUPINC.COM

Project

POPEYES LOUISIANA KITCHEN 1972

Store Type
US 2136 MODEL
2136-21

Location
PROTOTYPE
2136 (U.S.)
CITY, STATE

Drawing Title
EXTERIOR ELEVATIONS

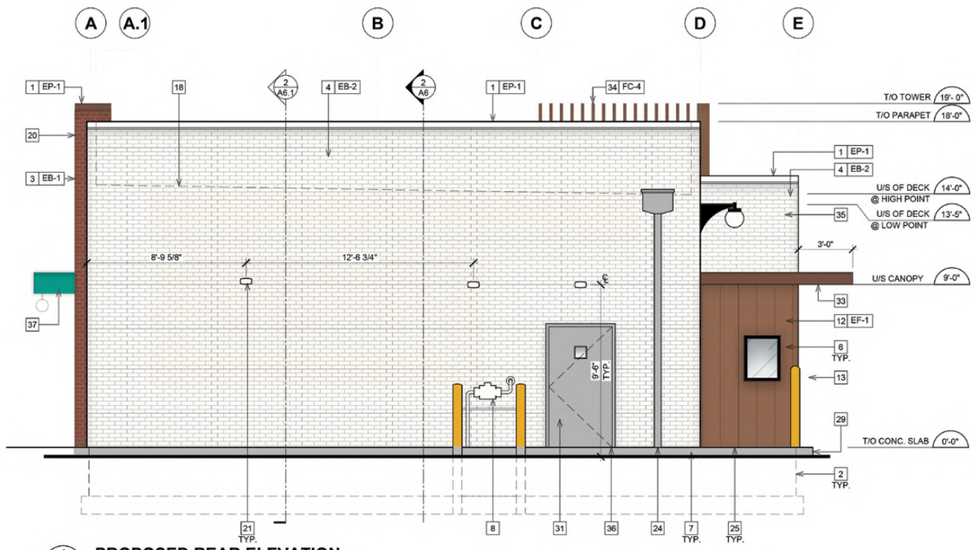
Drawn	Checked
XX	XX
Scale: 1/4"=1'-0"	Date: 02/02/2022
Project No.: 2021_0061	Drawing No.: A5.1

POPEYES LOUISIANA KITCHEN MODEL 2136, 6831 ODANA ROAD, MADISON, WISCONSIN: 2136 PROTOTYPE DOCUMENTS (FULL BRICK) STORE NO. XXXXX

EB-1

EB-2

EF-1



1 A5.1 **PROPOSED REAR ELEVATION**

SCALE: 1/4"=1' - 0"

EXTERIOR FINISH SCHEDULE

TAG	PRODUCT	MANUF.	PATTERN & COLOUR
EB-1	GLEN- GERY FACE BRICK CHERRY CREEK WILLIAMSBURG RED	GLEN-GERY	GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
EB-2	GLEN- GERY FACE BRICK ASPEN WHITE WIRECUT WHITE W804	GLEN-GERY	GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
EF-1	VINTAGEWOOD AWP 3030	NICHIHA	SIZE: 17-7/8" HIGH x 119-5/16" LONG, COLOUR: CEDAR. NOTE: FIBER CEMENT BOARD TO BE INSTALLED WITH NICHIHA ALUMINUM TRIM PIECES, STARTER CLIPS & JOINTS (COLOUR: MATCH 'CEDAR')
FC-4	VERTICAL SIMULATED WOOD SLATS		
EP-1	EXTERIOR PAINT	BENJAMIN MOORE	WHITE BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: OC-125 MOONLIGHT WHITE
EP-2	EXTERIOR PAINT	BENJAMIN MOORE	RED BRICK PARAPET - ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: 2105-20 ROOT BEER CANDY
EP-3	EXTERIOR PAINT	BENJAMIN MOORE	DUMPSTER WALLS AND REAR DOOR ULTRA SPEC EXT LOW LUSTRE (N455), COLOR: HC-170 STONINGTON GREY
EP-4	EXTERIOR PAINT	BENJAMIN MOORE	BOLLARDS COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: SAFETY YELLOW
EP-5	METAL PAINT	BENJAMIN MOORE	DUMPSTER GATES COROTECH HIGH SOLIDS RAPID DRY ENAMEL COLOR: FACTORY FINISH BLACK
EP-6	ANTI GRAFFITI COAT	BENJAMIN MOORE	EXTERIOR WALLS ALIPHATIC ACRYLIC URETHANE COLOR: V500-00 CLEAR
P-08	EXTERIOR METAL PAINTS & METAL RAILING	SHERWIN WILLIAMS	PAINT FOR FASCIAS AND/OR EXTERIOR METALS (SOFFITS, TRIM, ETC.) TO MATCH SURROUNDING COLOURS WHERE NECESSARY SHERWIN WILLIAMS "IRON ORE SW7069" MIN. 2 COATS SPRAY APPLICATION
MC-1	PREFINISHED METAL FLASHING	FIRESTONE BUILDING PRODUCTS	COLOR: TBD "SEALANT: TITEBOND WEATHER MASTER SEALANT COLOR: 81121 BLACK
DP-1	DOOR	STOREFRONT MANUFACTURER	MAIN ENTRANCE DOOR - ORANGE PANTONE #3564 C

GENERAL NOTES

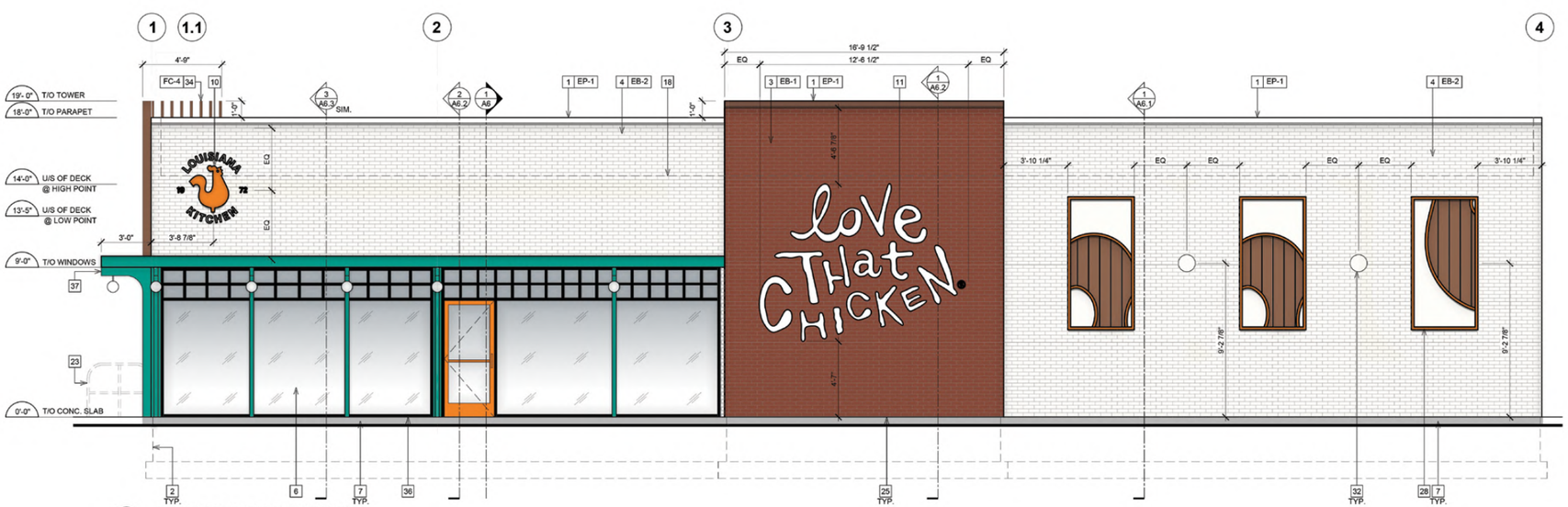
1. SEALANT / CAULKING AROUND DOOR / WINDOW FRAMES. COLOUR: TO MATCH WINDOW / DOOR FRAMES.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DRAWINGS AND SPECIFICATIONS.

SYMBOL LEGEND

1	NOTE REFERENCE REFER TO ELEVATION NOTES
FN#	FINISH TYPE

EXTERIOR ELEVATION NOTES

1. PRE-FINISHED METAL CAP FLASHING C/W DRIP.
2. N/A.
3. GLEN- GERY FACE BRICK, CHERRY CREEK WILLIAMSBURG RED, STANDARD MORTAR, SIZE: BUILDERS 3-1/8" T x 2-13/16" H x 8-5/8"L
4. GLEN- GERY FACE BRICK, ASPEN WHITE WIRECUT WHITE W804, WHITE MORTAR, SIZE: MODULAR 3-5/8" T x 2-1/4" H x 7-5/8" L
5. N/A.
6. PRE-FINISHED 'BLACK ANODIZED' ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING.
7. EXPOSED FOUNDATION TO BE PARGED AND FREE OF IMPERFECTIONS.
8. GAS UTILITY METER.
9. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALL AND FOOTING DETAILS.
10. INTERNALLY ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL $\frac{3}{4}$" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING AND ALL FINAL ELECTRICAL CONNECTION. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
11. NON-ILLUMINATED BUILDING SIGNAGE PROVIDED AND INSTALLED BY SIGN COMPANY. G.C TO PROVIDE AND INSTALL $\frac{3}{4}$" EXTERIOR GRADE PRESSURE TREATED PLYWOOD BACKING.. SIGN MANUFACTURER SHALL OBTAIN STRUCTURALLY SEALED DRAWINGS AND SIGNAGE PERMITS FROM THE CITY BASED ON LOCAL REQUIREMENTS. G.C SHALL VERIFY ACTUAL LOCATION & SIZE OF SIGNS WITH SIGN MANUFACTURER'S APPROVED DRAWINGS AND COORDINATE LOCATIONS OF BLOCKING AND UTILITIES. G.C TO COORDINATE WITH SIGN INSTALLER TO USE VHM DRILL BIT WHILE DRILLING FOR ELECTRICAL FEED LINES AND SIGNAGE FASTENERS. ALL ELEMENTS PROVIDED BY SIGNAGE FABRICATOR TO BE REVIEWED AND APPROVED BY POPEYES PRIOR TO PRODUCTION
12. NICHIHA VINTAGE WOOD, COLOR: CEDAR.
13. PROVIDE & INSTALL 6" DIAMETER STEEL PIPE BOLLARD TOP AT 4'-6" A.F.F. G.C. TO PAINT "SAFETY YELLOW". REFER TO POPEYES MASTER SCHEDULE.
14. DRIVE-THRU WINDOW. REFER TO DRIVE-THRU WINDOW SCHEDULE ON SHEET A11.
15. N/A.
16. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE WITH CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
17. N/A.
18. DASHED LINE INDICATES T/O OF ROOF BEHIND PARAPET.
19. C/T CABINET AND METER.
20. LINE OF PARAPET WALLS BEYOND.
21. GENERAL PURPOSE EXTERIOR LIGHTING FIXTURES.
22. WALK-IN COOLER/FREEZER FINISH TO BE COMPLETED BY MANUFACTURER.
23. METAL RAILING SUPPLIED AND INSTALLED BY G.C (ONLY IF REQUIRED). ARCHITECT TO COORDINATE WITH CIVIL ENGINEER ON THE SITE PLAN. PAINT FINISH 'BLACK'.
24. PRE-FINISHED GALVANIZED STEEL DOWNSPOUT & COLLECTOR BOX. G.C. TO COORDINATE CIVIL ENGINEERS TO CONFIRM IF DOWNSPOUTS ARE SPLASHING ON CONCRETE PAD OR TIED TO THE STORM SEWER LINE. REFER TO MECHANICAL DRAWINGS.
25. ALL BASE FLASHING TO MATCH ADJACENT MATERIAL COLORS.
26. HOSE BIB. G.C. TO PAINT. COLOR TO MATCH ADJACENT MATERIAL COLORS. COORDINATE EXACT LOCATION WITH G.C. REFER TO MECHANICAL DRAWINGS.
27. N/A.
28. DECORATIVE PANELS SUPPLY AND INSTALL BY SIGN COMPANY.
29. G.C TO PROVIDE CONCRETE CURB ALONG DRIVE-THRU LANE. CURB TO PROJECT 8" FROM FACE OF PANELS AND LENGTH OF CURB IS EXTENT OF FEATURE WALL.
30. MURAL GRAPHIC SUPPLY AND INSTALL BY SIGN COMPANY.
31. REAR EXIT DOOR TO BE PAINT WHITE.
32. WALL SCONCE SUPPLY AND INSTALL BY SIGN COMPANY.
33. PRE-FABRICATED CANOPIES W/ PRE-WIRED RECESSED LIGHTS ABOVE DRIVE-THRU SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. ALL CANOPIES IN WALL SUPPORT BY G.C. REFER TO STRUCTURAL DRAWINGS.
34. VERTICAL SIMULATED WOOD SLATS.
35. WALL SCONCE LIGHTING. REFER TO ELECTRICAL SCHEDULE.
36. CONCRETE SIDEWALK (BY G.C). REFER TO SITE PLAN.
37. HORIZONTAL WOOD GRAIN ENTRANCE CANOPY W/ TEAL VERTICAL & HORIZONTAL SUPPORTS SUPPLY BY SIGN COMPANY AND INSTALL BY G.C. PRE-WIRED LED LIGHT GLOBE FIXTURE.



2 A5.1 **PROPOSED SIDE ELEVATION**

SCALE: 1/4"=1' - 0"

ISSUE TABLE

No.	Date (mm/dd/yy)	Description
01	02-02-2022	2136 PROTOTYPE WITH FULL BRICK

REVISIONS

No.	Date	Description

DRAWINGS REVISED AS PER DESIGN BULLETIN

No.	Date	Description

POPEYES LOUISIANA KITCHEN
6831 ODANA ROAD,
MADISON, WISCONSIN

THIS DRAWING IS OWNED BY OR LICENSED FOR USE BY POPEYES LOUISIANA KITCHEN (OR ITS AFFILIATED OR RELATED COMPANIES) AND MAY NOT BE REPRODUCED, USED, DOWNLOADED, DISSEMINATED, PUBLISHED, OR TRANSFERRED IN ANY FORM OR BY ANY MEANS, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF POPEYES LOUISIANA KITCHEN . COPYRIGHT INFRINGEMENT IS A VIOLATION OF FEDERAL LAW SUBJECT TO CRIMINAL AND CIVIL PENALTIES.

THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE POPEYES LOUISIANA KITCHEN REPRESENTATIVE PRIOR TO COMMENCING WORK. THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS INDICATED BY POPEYES LOUISIANA KITCHEN AS "ISSUED FOR CONSTRUCTION".

DESIGN GUIDELINE ONLY -
NOT FOR PERMIT OR CONSTRUCTION

Company Logo

LINDENGROUP

ARCHITECTURE
LAND PLANNING
INTERIOR ARCHITECTURE
LANDSCAPE ARCHITECTURE
10100 ORLAND PARKWAY SUITE 110
ORLAND PARK, ILLINOIS 60467
(708) 799-4400
WWW.LINDENGROUPINC.COM

Project

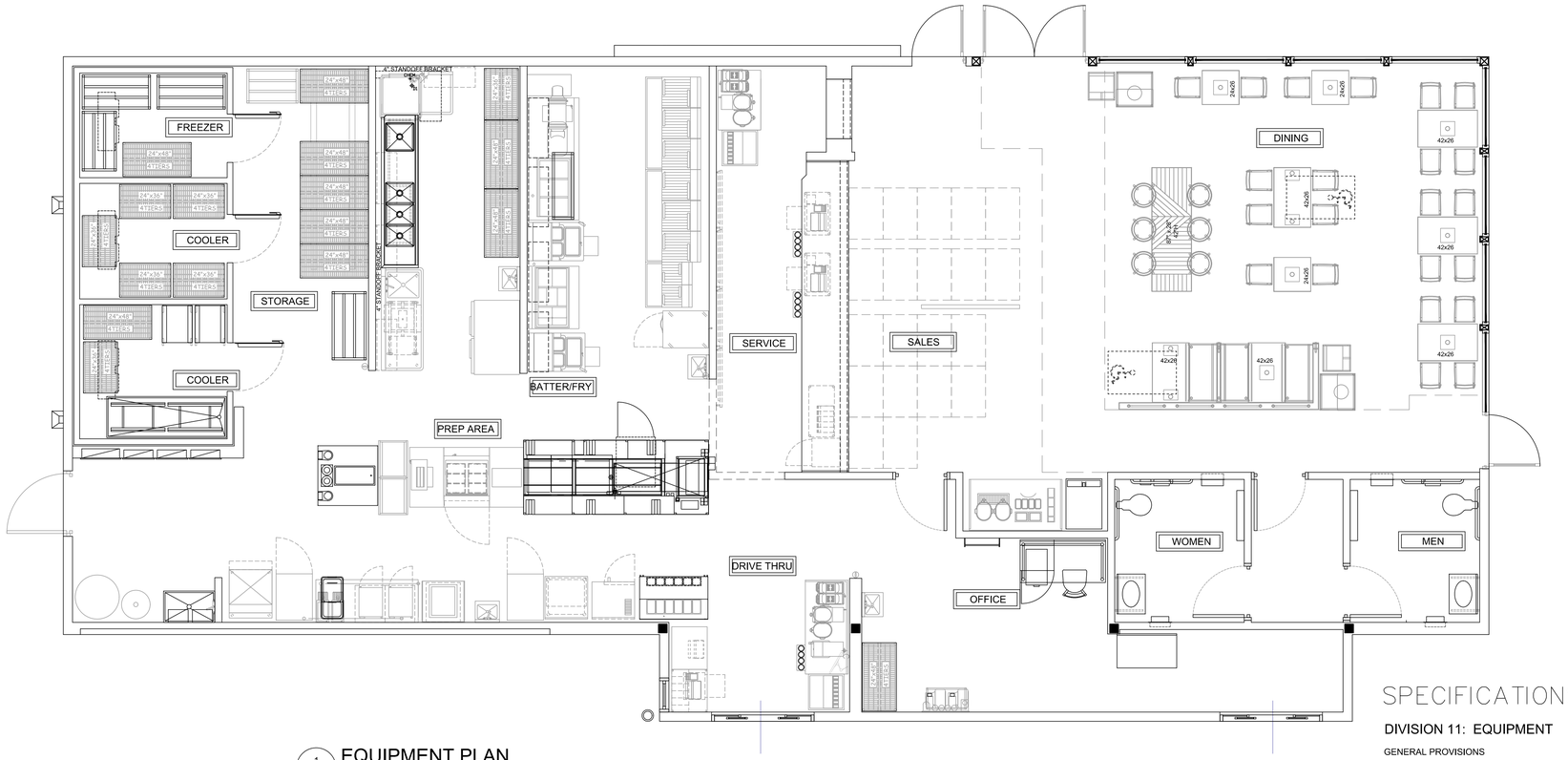
Store Type
US 2136 MODEL
2136-21

Location
PROTOTYPE
2136 (U.S.)
CITY, STATE

Drawing Title
EXTERIOR
ELEVATIONS

Drawn	Checked
XX	XX
Scale: 1/4"=1'-0"	Date: 02/02/2022
Project No.: 2021_0061	Drawing No.: A5.1

POPEYES LOUISIANA KITCHEN MODEL 2136, 6831 ODANA ROAD, MADISON, WISCONSIN: 2136 PROTOTYPE DOCUMENTS (FULL BRICK) STORE NO. XXXXX



1 EQ1 EQUIPMENT PLAN
1/4"=1'-0"

INTERIOR SIGN PACKAGE- BY G.C.

AREA	SIGN NAME	QTY	MOUNTING LOCATION	COMMNENTS
FRONT OF HOUSE	HOURS OF OPERATION	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT ON WINDOW NEXT TO DOOR, IF POSSIBLE
	DOOR TRAFFIC FLOW SIGNS			
	IN	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT DIRECTLY ABOVE PUSH BAR OF ENTRANCE DOORS
	OUT	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT DIRECTLY ABOVE PUSH BAR OF ENTRANCE DOORS
	LOBBY FLOW SIGN	2	SITS ON TOP OF SERVICE COUNTER	3 SIDED SIGN, "ORDER HERE", "PAY HERE", "NEXT REGISTER"
	QUEUEING LINE FLOW SIGN	1	TOP OF QUEUEING LINE POLE	2 SIDED SIGN, "ENTER HERE", "PLEASE COME AGAIN"
	RESTROOM SIGNS		LATCH-SIDE WALL, MTD.¢ 60" A.F.F.	HANDICAPPED
	"HANDICAP WOMEN"	1	EXTERIOR OF WOMEN'S RESTROOM DOOR, 60" AFF	MOUNT TO CENTER LINE OF SIGN
	"HANDICAP MEN"	1	EXTERIOR OF MEN'S RESTROOM DOOR, 60" AFF	MOUNT TO CENTER LINE OF SIGN
	"RESTROOMS"	1	VISIBLE TO CUSTOMERS IN DINING AREA, 60" AFF	MOUNT TO CENTER LINE OF SIGN
	"EMPLOYEES MUST WASH HANDS..."	2	INTERIOR OF BOTH RESTROOMS DOOR, 60" AFF	
	"NO SMOKING"	5	DINING ROOM	
	"EMPLOYEES ONLY"	1	ENTRANCE BETWEEN KITCHEN AND DINING ROOM	
	TEA URN SIGNS			
	"UNSWEETENED TEA"	1	HANGS ON DISPENSER	2 SIDED SIGN
	"SWEETENED TEA"	1	HANGS ON DISPENSER	2 SIDED SIGN
	"WATER"	1	HANGS ON DISPENSER	2 SIDED SIGN
BACK OF HOUSE	BIN DECALS			
	"FLOUR"	1	PLACE ON FLOUR BIN	STICKER APPLICATION
	"RICE"	1	PLACE ON RICE BIN	STICKER APPLICATION
	"FILTER"	1	PLACE ON FILTER POWDER BIN	STICKER APPLICATION
	3 COMPARTMENT SINK DECALS			
	"WASH"	1	PLACE ON BACK SPLASH OVER APPROPRIATE SINK	STICKER APPLICATION
	"RINSE"	1	PLACE ON BACK SPLASH OVER APPROPRIATE SINK	STICKER APPLICATION
	"FILTER"	1	PLACE ON BACK SPLASH OVER APPROPRIATE SINK	STICKER APPLICATION
	"HOT! USE CAUTION"	6	MICROWAVE WINDOW, OVEN, PRODUCT DISPLAY AREAS	STICKER APPLICATION
	"MUST BE 18..."	4	FRYER, FILTER, MARINATOR, (IF APPLICABLE)	
	FRYER LABELS (1,2,3,4,5,6)	1	PLACE ON APPROPRIATE FRYER	STICKER APPLICATION
SECURITY SIGNS	"STOP! ALL VENDORS MUST..."	1	EXTERIOR OF BACK DOOR, 60" AFF	
	"WARNING! ONLY MANAGERS..."	1	EXTERIOR OF BACK DOOR, 48" AFF	
	"MANAGERS...ACCESS TO SAFE"	1	EXTERIOR OF BACK DOOR, 48" AFF	
	"CHEMICAL STORAGE ONLY"	1	ON OR OVER AREA TO STORE CHEMICALS	MOUNT TO SHELVING UNIT OR WALL
OTHER	HANDICAP PARKING SIGN	2	DESIGNATED PARKING SPOT (S) 84" TO BOT. OF SIGN	

NOTES:

1. FLOOR MATS SHOULD BE PLACED IN THE THE AREAS DESCRIBED BELOW:
   ENTRY WAY MATS: 3M NOMAD, AVAILABLE SIZES 3'x5' OR 4'x6'
   KITCHEN FLOOR MATS: MATRIX 'GRIP ROCK'
   LOCATIONS:
   - -INSIDE WALK-IN COOLER (3'-0" x 5'-6")
   - -OUTSIDE THE WALK-IN COOLER (3'-0" x 4'-0")
   - -ICE MACHINE (3'-0" x 4'-0")
   - -3 COMPARTMENT SINK (3'-0" x 7'-6")
   - -CONDIMENT COUNTER (3'-0" x 8'-10")
2. EQUIPMENT SUBSTITUTIONS REQUIRE POPEYES PRE-APPROVAL
   SUBMIT CUT SHEETS TO POPEYE'S DEPARTMENT

SPECIFICATIONS

DIVISION 11: EQUIPMENT

GENERAL PROVISIONS

1. SCOPE: COORDINATE WITH THE INSTALLATION OF ALL EQUIPMENT ITEMS SHOWN ON PLANS AND SCHEDULED IN EQUIPMENT SCHEDULE (EXCEPT AS NOTED AS INSTALLED BY KITCHEN CONTRACTOR) WHICH ARE FURNISHED BY THE OWNER OR UNDER SEPARATE CONTRACT. EQUIPMENT SCHEDULE LISTS TRADES RESPONSIBLE FOR FURNISHING, INSTALLING AND FINAL CONNECTION.

2. SUBMISSIONS: PROVIDE THE OWNER, AT THE COMPLETION OF THIS CONTRACT, WITH AN "OWNER'S MANUAL" SO LABELED. THE MANUAL SHALL CONSIST OF A THREE-RING LOOSE-LEAF BINDER CONTAINING ALL PRINTED MATTER SUCH AS: GUARANTEE CARDS, CLEANING INSTRUCTIONS, NOTICES TO OWNER, OPERATING MANUALS, SERVICE AGENTS AND MAINTENANCE INSTRUCTIONS THAT MAY BE CONTAINED IN THE SHIPPING CARTON OF EQUIPMENT AND SPECIALITIES.

3. DELIVERY AND STORAGE: RECEIVE, UNLOAD, AND SAFEGUARD THE EQUIPMENT. COORDINATE SHIPPING TIME WITH OWNER.

4. PROTECTION AND CLEANING: SURFACES SHALL BE CLEANED BEFORE FINAL INSPECTION.

MATERIALS

1. SEE EQUIPMENT SCHEDULE

PERFORMANCE

1. INSTALL EQUIPMENT ACCORDING TO NFPA 96 AND MANUFACTURER'S INSTRUCTIONS, PROVIEDE FACTORY AUTHORIZED START & ADJUSTMENT.

DIVISION 12: FURNISHINGS

GENERAL PROVISIONS

1. SCOPE: COORDINATE INSTALLATION OF ARTWORK, SEATING, FREE-STANDING CABINETS AND SHELVING, WINDOW TREATMENT, FLOOR MATS, AND ACCESSORIES WHICH ARE FURNISHED UNDER SEPARATE CONTRACT TO THE OWNER.
   IF REQUESTED THROUGH THE CONTRACT, INSTALL DECOR, SEATING, FREE-STANDING CABINETS AND SHELVING, WINDOW TREATMENT, FLOOR MATS AND/OR ACCESSORIES.

2. NOTES: DETAILS AND MATERIALS SHOWN ON THE APPROVED DECOR DRAWINGS CONFLICTING WITH THE STANDARD PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY PRIOR TO COMMENCEMENT OF THE INSTALLATION. VERIFICATION OF ADA COMPLIANCE WILL BE NECESSARY.

3. DELIVERY AND STORAGE: RECEIVE AND SAFEGUARD OWNER SUPPLIED ITEMS ON THE JOB SITE IF REQUESTED.

PERFORMANCE

1. INSTALLATION: PREPARE SURFACES TO RECEIVE THESE MATERIALS AND COOPERATE WITH THE INSTALLATION OF DECOR MATERIALS AS SHOWN ON THE DECOR DRAWINGS.

NOTES

SYMBOL

(TEXT) EQUIPMENT No.

1. IT IS THE RESPONSIBILITY OF THE G.C. TO COORDINATE DELIVERY, UNCRATING, POSITIONING, FINAL HOOK-UP AND REMOVAL OF TRASH OF ALL OWNER SUPPLIED KITCHEN EQUIPMENT.
2. ALL KITCHEN EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
3. DECOR ITEMS SUPPLIED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR.
4. FOR DINING ROOM FURNITURE, SEE DECOR PACKAGE, CONTACT DECOR VENDOR FOR DETAILS.

SEATING	
SEATS:	71
GROUPS:	21
RATIO:	3.4

SQUARE FOOTAGE	
KITCHEN (NET):	1,278
WALK-IN (NET):	185
DINING/RESTROOM (NET):	1,545
TOTAL (NET) :	3,008
TOTAL (GROSS) :	3,149

NOT FOR CONSTRUCTION

popeyes
5707 BLUE LAGOON DRIVE
MIAMI, FLORIDA 33126

THESE DRAWINGS ARE THE PROPERTY OF POPEYES LOUISIANA KITCHEN, INC
AND SHALL NOT BE USED OR REPRODUCED WITHOUT THE EXPRESS WRITTEN PERMISSION FROM THE OWNER.

LINDENGROUP
ARCHITECTURE
LAND PLANNING
INTERIOR ARCHITECTURE
LANDSCAPE ARCHITECTURE
10100 ORLAND PARKWAY SUITE 110
ORLAND PARK, ILLINOIS 60467
(708) 799-4400
WWW.LINDENGROUPINC.COM

POPEYE'S LOUISANA KITCHEN
2136 - CLASSIC PROTOTYPE
MADISON, WISCOSIN

LOUISIANA KITCHEN PLK DESIGN STANDARDS - JUNE 2021 RELEASE
36 SEATS / DUAL-LINE HIGH PRODUCTION

LOUISIANA KITCHEN 1972

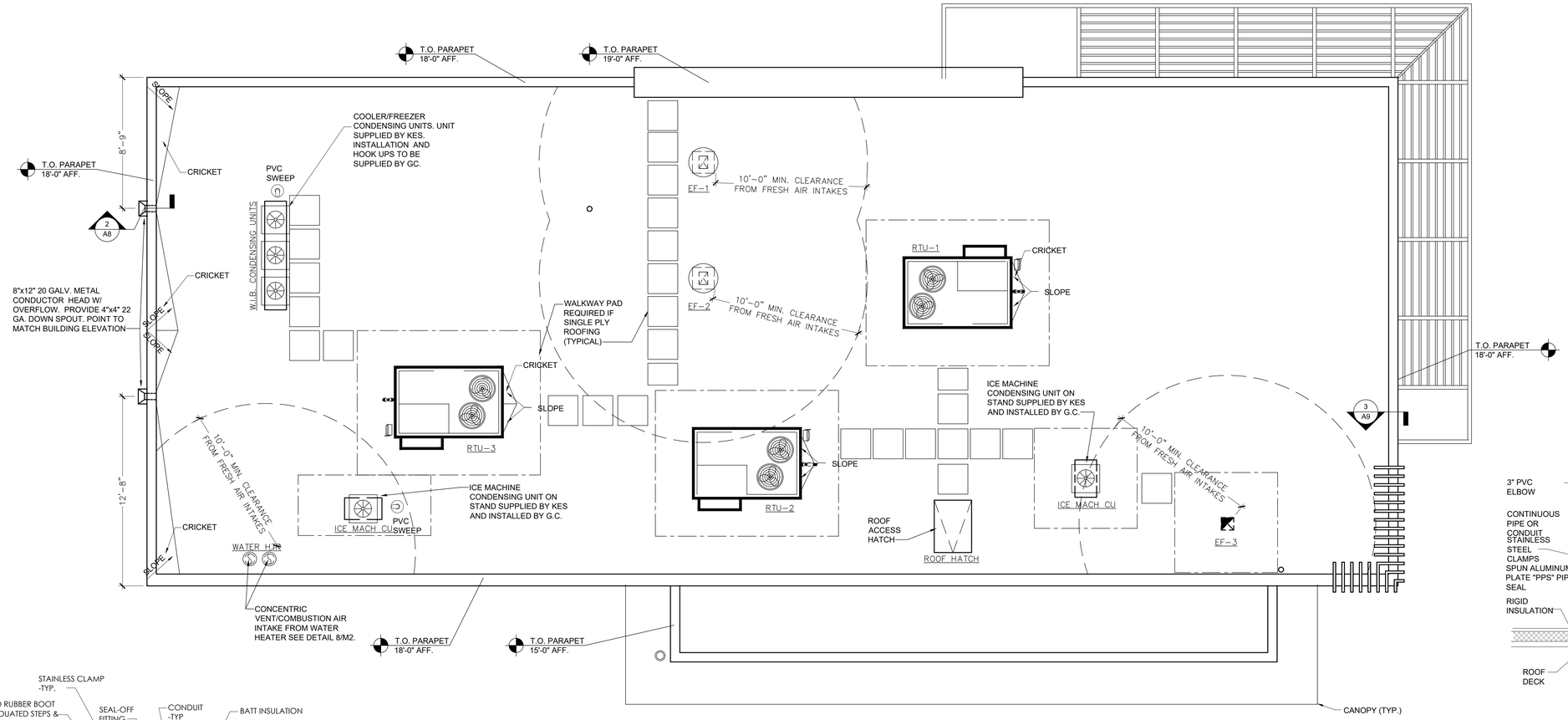
popeyes

REVISIONS

DATE:-

EQ1
EQUIPMENT PLAN

CHECKED:



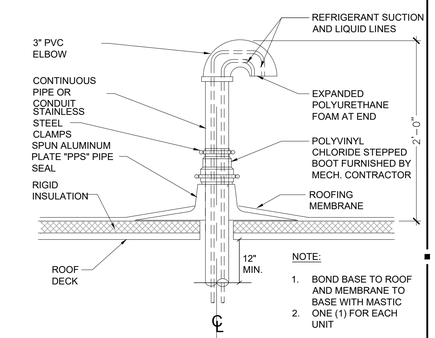
1 ROOF PLAN
A4 — 1/4"=1'-0"

NOTE:

ROOFING SYSTEM SHALL BE WHITE SINGLE PLY ROOF MEMBRANE AS MANUFACTURED BY:

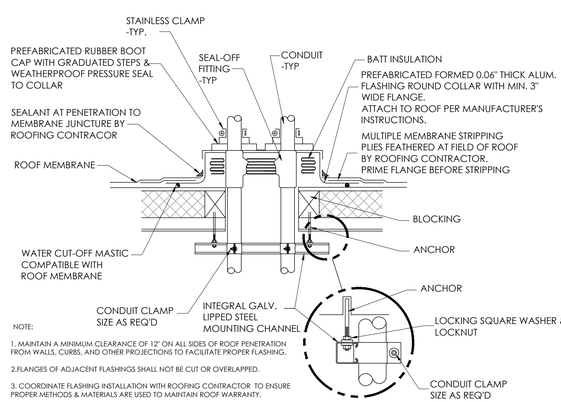
1) DUROLAST

ROOFING TO BE APPLIED OVER R-16 (MIN.) INSULATION BOARD IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.



NOTE:
1. BOND BASE TO ROOF AND MEMBRANE TO BASE WITH MASTIC ONE (1) FOR EACH UNIT
2. BOND FLASHING TO ROOF AND MEMBRANE TO BASE WITH MASTIC ONE (1) FOR EACH UNIT

8 VENT/SWEEP ROOF PENETRATION DTL.
A4 — 3"=1'-0"



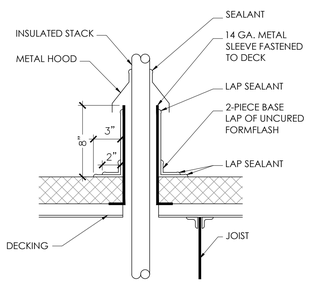
NOTE:

1. MAINTAIN A MINIMUM CLEARANCE OF 12" ON ALL SIDES OF ROOF PENETRATION FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

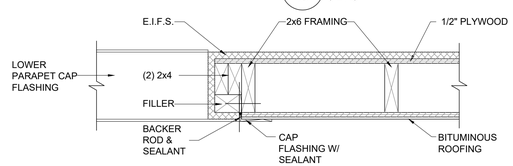
2.FLANGES OF ADJACENT FLASHINGS SHALL NOT BE CUT OR OVERLAPPED.

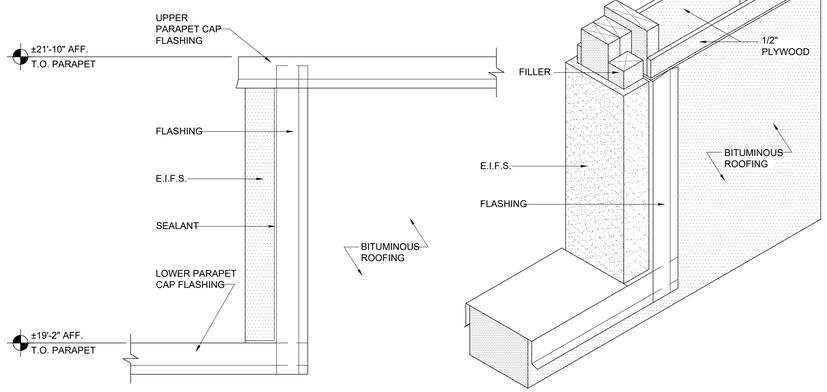
3. COORDINATE FLASHING INSTALLATION WITH ROOFING CONTRACTOR TO ENSURE PROPER METHODS & MATERIALS ARE USED TO MAINTAIN ROOF WARRANTY.

9 CONDUIT ROOF PENETRATION
A4 — NTS

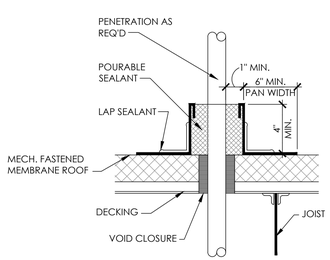


2 PIPING OR VENT FLASHING
A4 — 1-1/2"=1'-0"

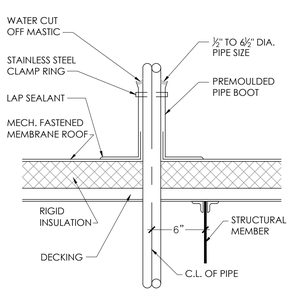




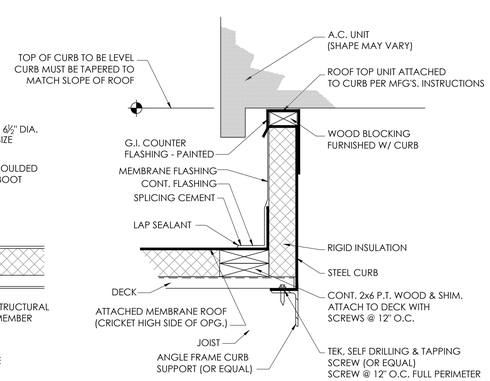
7 TYPICAL FRAMING DETAIL AT END OF PARAPET
A4 — 1-1/2"=1'-0"



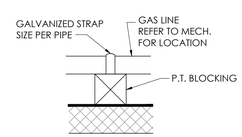
3 PITCH POCKET DETAIL
A4 — 1-1/2"=1'-0"



4 HOT GAS VENT PIPE DETAIL
A4 — 1-1/2"=1'-0"



5 MECHANICAL CURB DETAIL
A4 — 1-1/2"=1'-0"



6 GAS PIPING DETAIL
A4 — 1-1/2"=1'-0"

POPEYES
5707 BLUE LAGOON DRIVE
MIAMI, FLORIDA 33126

THESE DRAWINGS ARE THE PROPERTY OF POPEYES LOUISIANA KITCHEN, INC

AND SHALL NOT BE USED OR REPRODUCED WITHOUT THE EXPRESS WRITTEN PERMISSION FROM THE OWNER.

THESE DOCUMENTS ARE NOT FOR PERMIT OR CONSTRUCTION.

THEY MUST BE COMPLETED AND/OR MODIFIED BY A LICENSED ARCHITECT AND ENGINEER TO CONFORM TO ALL APPLICABLE CODES AND SPECIFIC SITE CONDITIONS. THERE IS NO WARRANTY OR REPRESENTATION THAT THESE DOCUMENTS MEET THE APPLICABLE CODE REQUIREMENTS. LIABILITY FOR THE DESIGN AND ANY USE OF THE DOCUMENTS IS THE SOLE RESPONSIBILITY OF THE ARCHITECT AND ENGINEER OF RECORD.

POPEYE'S LOUISANA KITCHEN
2136 - CLASSIC PROTOTYPE

LOUISIANA KITCHEN PLK DESIGN STANDARDS - JUNE 2021 RELEASE

36 SEATS / DUAL-LINE HIGH PRODUCTION

LOUISIANA KITCHEN 1972

POPEYES

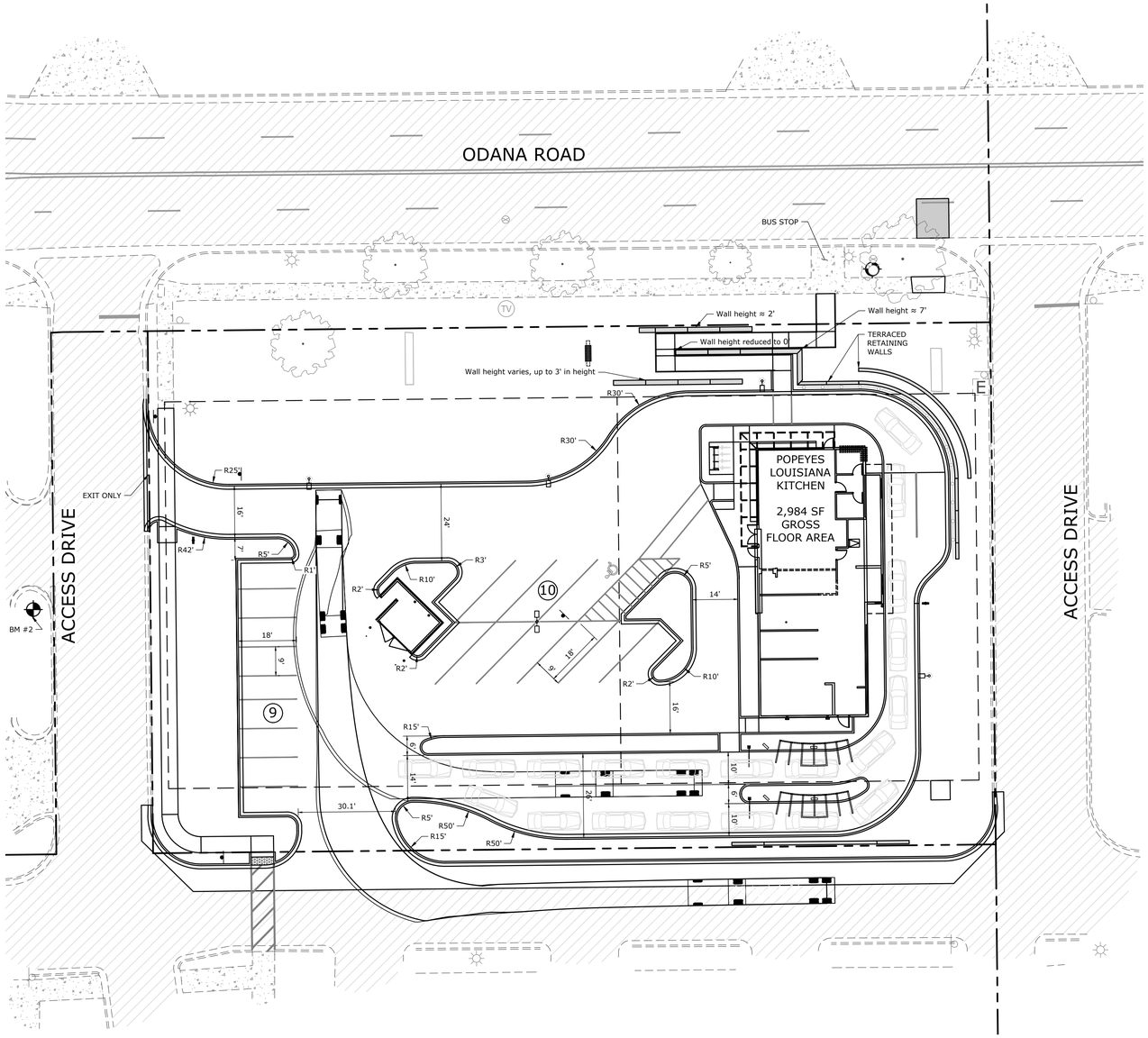
REVISIONS:

DATE: -

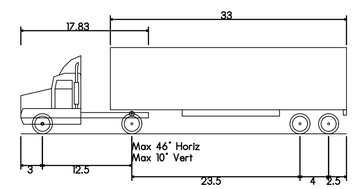
A4

ROOF PLAN & DETAILS

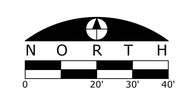
CHECKED:



WB-40 SEMI-TRUCK



WB-40 - Intermediate Semi-Trailer	
Overall Length	45.500ft
Overall Width	8.000ft
Overall Body Height	12.052ft
Min Body Ground Clearance	1.334ft
Track Width	8.000ft
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	40.000ft



ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RC STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	01/03/2021
2. AGENCY REVIEW	01/06/2021
3. AGENCY REVIEW	01/13/2021
4. ----	----
5. ----	----
6. ----	----
7. ----	----
8. ----	----
9. ----	----
10.----	----
11.----	----
12.----	----

REVISIONS

ITEM	DATE
1. ----	----
2. ----	----
3. ----	----
4. ----	----
5. ----	----
6. ----	----

SHEET TITLE

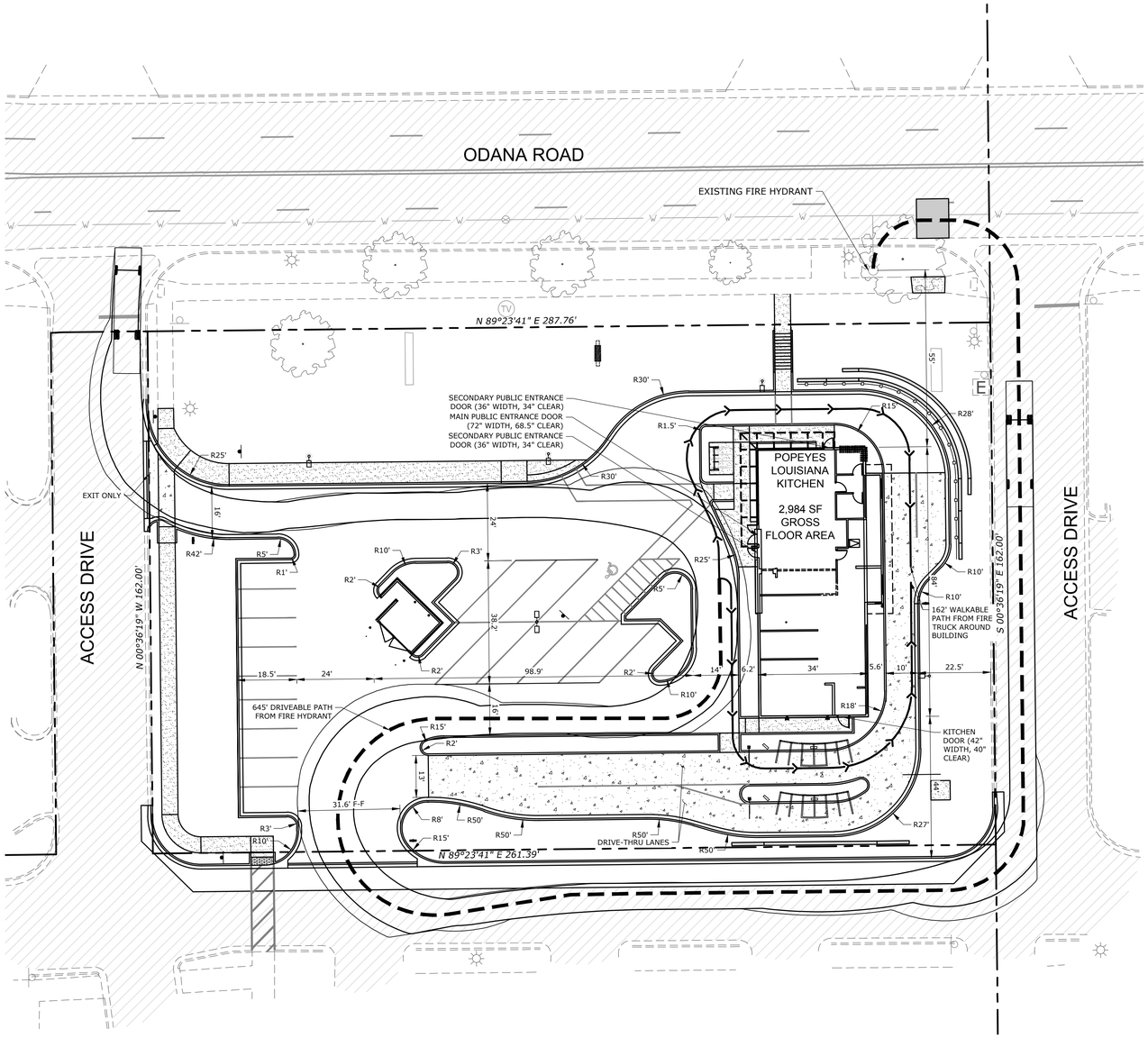
ALTERNATE PEDESTRIAN ACCESS

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

1 OF 1



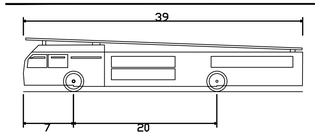
LEGEND

- PROPERTY LINE
- DRIVEABLE PATH FROM FIRE HYDRANT TO FIRE LANE
- WALKABLE PATH FROM FIRE TRUCK TO BUILDING
- EXISTING CURB AND GUTTER
- PROPOSED ACCEPTING CURB AND GUTTER
- EXISTING WATER MAIN
- PROPOSED WATER SERVICE
- EXISTING FIRE HYDRANT ASSEMBLY
- EXISTING WATER VALVE
- PROPOSED WATER SERVICE CURB BOX
- PROPOSED LIGHT POLE (SEE DETAILS, ARCH. PLANS, AND CREE LIGHTING PLAN)

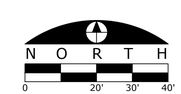
BUILDING DATA

CONSTRUCTION TYPE	V-B UNPROTECTED, UNSPRINKLERED
OCCUPANCY CLASSIFICATION	A-2 ASSEMBLY - RESTAURANT
OCCUPANCY LOAD	70 PERSONS MAXIMUM
BUILDING AREA	2,984 SF
BUILDING HEIGHT	19' 0" (1 STORY)
FIRE PROTECTIONS SYSTEMS REQUIRED	NONE REQUIRED
KNOX BOX INCLUDED?	NONE
DISTANCE TO NEAREST FIRE HYDRANT	55'

AERIAL FIRE TRUCK



Aerial Fire Truck	
Overall Length	39.000ft
Overall Width	8.167ft
Overall Body Height	7.500ft
Min Body Ground Clearance	0.750ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°



ARC DESIGN RESOURCES INC.
5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 2411-11

PROJECT NAME
OWNER'S NAME

POPEYES
MADISON, WI

6831 ODANA RD
MADISON, WI
DANE COUNTY

ABYGROUPS
200 S FRONTAGE RC STE 330
BURR RIDGE, IL 60527
(847) 208-5656

CONSULTANTS

ISSUED FOR

	DATE
1. AGENCY REVIEW	10/14/2021
2. AGENCY REVIEW	02/03/2020
3. ---	---
4. ---	---
5. ---	---
6. ---	---
7. ---	---
8. ---	---
9. ---	---
10. ---	---
11. ---	---
12. ---	---

REVISIONS

ITEM	DATE
1. ---	---
2. ---	---
3. ---	---
4. ---	---
5. ---	---
6. ---	---

SHEET TITLE

FIRE ACCESS PLAN

DRAWN	KG
CHECKED	LND
PM	RCS

PROJECT NUMBER
SHEET NUMBER

19055

1 OF 1

CITY OF MADISON
LANDSCAPE WORKSHEET

Section 28.142 Madison General Ordinance

Project Location / Address 6831 Odana Road, Madison, WI 53719

Name of Project Popeyes Louisiana Kitchen, Madison, WI - Odana Road

Owner / Contact Aby Mohamed - ABYGROUPS

Contact Phone (847) 208-5656 Contact Email ldowning@arcdesign.com

**** Landscape plans for zoning lots greater than ten thousand (10,000) square feet in size MUST be prepared by a registered landscape architect. ****

Applicability

The following standards apply to all exterior construction and development activity, including the expansion of existing buildings, structures and parking lots, except the construction of detached single-family and two-family dwellings and their accessory structures. The entire development site must be brought up to compliance with this section unless **all** of the following conditions apply, in which case only the affected areas need to be brought up to compliance:

(a) The area of site disturbance is less than ten percent (10%) of the entire development site during any ten-(10) year period.

(b) Gross floor area is only increased by ten percent (10%) during any ten-(10) year period.

(c) No demolition of a principal building is involved.

(d) Any displaced landscaping elements must be replaced on the site and shown on a revised landscaping plan.

Landscape Calculations and Distribution

Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area is defined as that area within a single contiguous boundary which is made up of structures, parking, driveways and docking/loading facilities, but excluding the area of any building footprint at grade, land designated for open space uses such as athletic fields, and undeveloped land area on the same zoning lot. There are three methods for calculating landscape points depending on the size of the lot and Zoning District.

(a) For all lots except those described in (b) and (c) below, five (5) landscape points shall be provided for each three hundred (300) square feet of developed area.

Total square footage of developed area 23,564

Total landscape points required 393

(b) **For lots larger than five (5) acres**, points shall be provided at five (5) points per three hundred (300) square feet for the first five (5) developed acres, and one (1) point per one hundred (100) square feet for all additional acres.

Total square footage of developed area -

Five (5) acres = 217,800 square feet

First five (5) developed acres = 3,630 points

Remainder of developed area -

Total landscape points required -

(c) **For the Industrial – Limited (IL) and Industrial – General (IG) districts**, one (1) point shall be provided per one hundred (100) square feet of developed area.

Total square footage of developed area -

Total landscape points required -

Tabulation of Points and Credits

Use the table to indicate the quantity and points for all existing and proposed landscape elements.

Plant Type/ Element	Minimum Size at Installation	Points	Credits/ Existing Landscaping		New/ Proposed Landscaping	
			Quantity	Points Achieved	Quantity	Points Achieved
Overstory deciduous tree	2½ inch caliper measured diameter at breast height (dbh)	35	0	0	8	280
Tall evergreen tree (i.e. pine, spruce)	5-6 feet tall	35	0	0	2	70
Ornamental tree	1 1/2 inch caliper	15	0	0	7	105
Upright evergreen shrub (i.e. arborvitae)	3-4 feet tall	10	0	0	2	20
Shrub, deciduous	#3 gallon container size, Min. 12”-24”	3	0	0	66	198
Shrub, evergreen	#3 gallon container size, Min. 12”-24”	4	0	0	52	208
Ornamental grasses/ perennials	#1 gallon container size, Min. 8”-18”	2	0	0	128	256
Ornamental/ decorative fencing or wall	n/a	4 per 10 lineal ft.	0	0	22	88
Existing significant specimen tree	Minimum size: 2 ½ inch caliper dbh. *Trees must be within developed area and cannot comprise more than 30% of total required points.	14 per caliper inch dbh. Maximum points per tree: 200	1	200	0	0
Landscape furniture for public seating and/or transit connections	* Furniture must be within developed area, publically accessible, and cannot comprise more than 5% of total required points.	5 points per “seat”	0	0	0	0
Sub Totals			1	200	298	1225

Total Number of Points Provided 1425

* As determined by ANSI, ANLA- American standards for nursery stock. For each size, minimum plant sizes shall conform to the specifications as stated in the current American Standard for Nursery Stock.

Landscaping shall be distributed throughout the property along street frontages, within parking lot interiors, as foundation plantings, or as general site landscaping. The total number of landscape points provided shall be distributed on the property as follows.

Total Developed Area

Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area is defined as that area within a single contiguous boundary which is made up of structures, parking, driveways and docking/loading facilities, but excluding the area of any building footprint at grade, land designated for open space uses such as athletic fields, and undeveloped land area on the same zoning lot.

Development Frontage Landscaping

Landscaping and/or ornamental fencing shall be provided between buildings or parking areas and the adjacent street(s), except where buildings are placed at the sidewalk. Landscape material shall include a mix of plant materials.

Interior Parking Lot Landscaping

The purpose of interior parking lot landscaping is to improve the appearance of parking lots, provide shade, and improve stormwater infiltration. **All parking lots with twenty (20) or more parking spaces** shall be landscaped in accordance with the interior parking lot standards.

Foundation Plantings

Foundation plantings shall be installed along building facades, except where building facades directly abut the sidewalk, plaza, or other hardscape features. Foundation plantings shall consist primarily of shrubs, perennials, and native grasses.

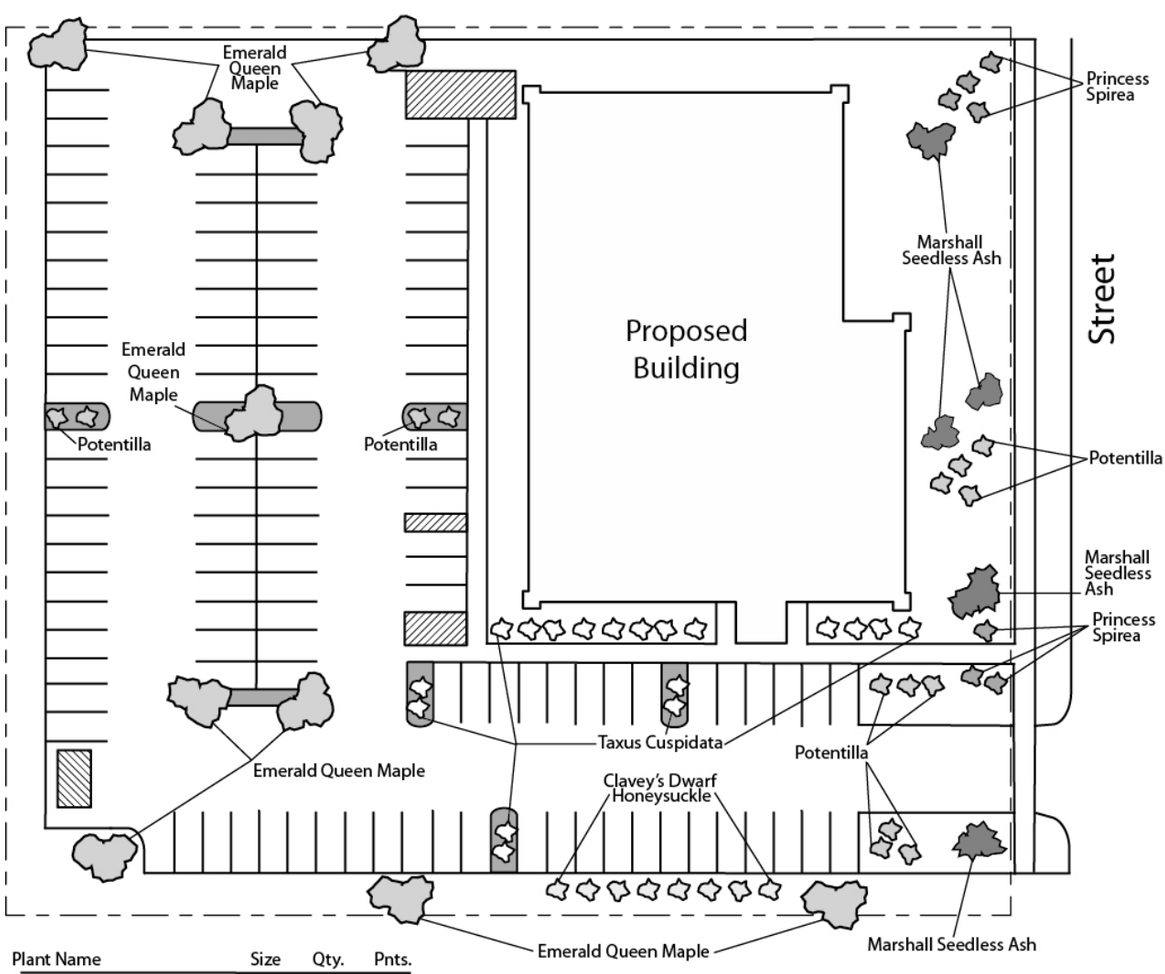
Screening Along District Boundaries

Screening shall be provided along side and rear property boundaries between commercial, mixed use or industrial districts and residential districts.

Screening of Other Site Elements

The following site elements shall be screened in compatibility with the design elements, materials and colors used elsewhere on the site: refuse disposal areas, outdoor storage areas, loading areas, and mechanical equipment.

Example Landscape Plan



Plant Name	Size	Qty.	Pnts.
Emerald Queen Maple	2-2.5"	9	-
Marshall Seedless Ash	2-2.5"	4	450
Clavey's Dwarf Honelysuckle	1 Gal	8	24
Princess Spirea	1 Gal	7	21
Potentilla	1 Gal	10	30
Taxus Cuspidata	2 Gal	12	60
		TOTAL	585

Call City Zoning, 266-4551, with your questions about this type of plan

LANDSCAPE PLAN AND LANDSCAPE WORKSHEET INSTRUCTIONS

Refer to Zoning Code Section 28.142 LANDSCAPING AND SCREENING REQUIREMENTS for the complete requirements for preparing and submitting a Landscape Plan and Landscape Worksheet.

Applicability.

The following standards apply to all exterior construction and development activity, including the expansion of existing buildings, structures and parking lots, except the construction of detached single-family and two-family dwellings and their accessory structures. The entire development site must be brought up to compliance with this section unless all of the following conditions apply, in which case only the affected areas need to be brought up to compliance:

(a) The area of site disturbance is less than ten percent (10%) of the entire development site during any ten-(10) year period.

(b) Gross floor area is only increased by ten percent (10%) during any ten-(10) year period.

(c) No demolition of a principal building is involved.

(d) Any displaced landscaping elements must be replaced on the site and shown on a revised landscaping plan.

Landscape Plan and Design Standards.

Landscape plans shall be submitted as a component of a site plan, where required, or as a component of applications for other actions, including zoning permits, where applicable. Landscape plans for zoning lots greater than ten thousand (10,000) square feet in size must be prepared by a registered landscape architect.

(a) Elements of the landscape plan shall include the following:

1. Plant list including common and Latin names, size and root condition (i.e. container or ball & burlap).
2. Site amenities, including bike racks, benches, trash receptacles, etc.
3. Storage areas including trash and loading.
4. Lighting (landscape, pedestrian or parking area).
5. Irrigation.
6. Hard surface materials.
7. Labeling of mulching, edging and curbing.
8. Areas of seeding or sodding.
9. Areas to remain undisturbed and limits of land disturbance.
10. Plants shall be depicted at their size at sixty percent (60%) of growth.
11. Existing trees eight (8) inches or more in diameter.
12. Site grading plan, including stormwater management, if applicable.

(b) Plant Selection. Plant materials provided in conformance with the provisions of this section shall be nursery quality and tolerant of individual site microclimates.

(c) Mulch shall consist of shredded bark, chipped wood or other organic material installed at a minimum depth of two (2) inches.

Landscape Calculations and Distribution.

Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area, for the purpose of this requirement, is defined as that area within a single contiguous boundary which is made up of structures, parking driveways and docking/loading facilities, but **excluding** the area of any building footprint at grade, land designated for open space uses such as athletic fields, and undeveloped land area on the same zoning lot.

(a) Landscaping shall be distributed throughout the property along street frontages, within parking lot interiors, and as foundation plantings, or as general site landscaping.

(b) Planting beds or planted areas must have at least seventy-five percent (75%) vegetative cover.

(c) Canopy tree diversity requirements for new trees:

1. If the development site has fewer than 5 canopy trees, no tree diversity is required.
2. If the development site has between 5 and 50 canopy trees, no single species may comprise more than 33% of trees.
3. If the development site has more than 50 canopy trees, no single species may comprise more than 20% of trees.

Development Frontage Landscaping.

Landscaping and/or ornamental fencing shall be provided between buildings or parking areas and the adjacent street(s), except where buildings are placed at the sidewalk. Landscape material shall include a mix of plant material meeting the following minimum requirements:

(a) One (1) overstory deciduous tree and five (5) shrubs shall be planted for each thirty (30) lineal feet of lot frontage. Two (2) ornamental trees or two (2) evergreen trees may be used in place of one (1) overstory deciduous tree.

(b) In cases where building facades directly abut the sidewalk, required frontage landscaping shall be deducted from the required point total.

(c) In cases where development frontage landscaping cannot be provided due to site constraints, the zoning administrator may waive the requirement or substitute alternative screening methods for the required landscaping.

(d) Fencing shall be a minimum of three (3) feet in height, and shall be constructed of metal, masonry, stone or equivalent material. Chain link or temporary fencing is prohibited.

Interior Parking Lot Landscaping.

The purpose of interior parking lot landscaping is to improve the appearance of parking lots, provide shade, and improve stormwater infiltration. **All parking lots with twenty (20) or more parking spaces** shall be landscaped in accordance with the following interior parking lot standards.

(a) For new development on sites previously undeveloped or where all improvements have been removed, a minimum of eight percent (8%) of the asphalt or concrete area of the parking lot shall be devoted to interior planting islands, peninsulas, or landscaped strips. For changes to a developed site, a minimum of five percent (5%) of the asphalt or concrete area shall be interior planting islands, peninsulas, or landscaped strips. A planting island shall be located at least every twelve (12) contiguous stalls with no break or alternatively, landscaped strips at least seven (7) feet wide between parking bays.

(b) The primary plant materials shall be shade trees with at least one (1) deciduous canopy tree for every one hundred sixty (160) square feet of required landscaped area. Two (2) ornamental deciduous trees may be substituted for one (1) canopy tree, but ornamental trees shall constitute no more than twenty-five percent (25%) of the required trees. No light poles shall be located within the area of sixty percent (60%) of mature growth from the center of any tree.

(c) Islands may be curbed or may be designed as uncurbed bio-retention areas as part of an approved low impact stormwater management design approved by the Director of Public Works. The ability to maintain these areas over time must be demonstrated. (See Chapter 37, Madison General Ordinances, Erosion and Stormwater Runoff Control.)

Foundation Plantings.

Foundation plantings shall be installed along building facades, except where building facades directly abut the sidewalk, plaza, or other hardscape features. Foundation plantings shall consist primarily of shrubs, perennials, and native grasses. The Zoning Administrator may modify this requirement for development existing prior to the effective date of this ordinance, as long as improvements achieve an equivalent or greater level of landscaping for the site.

Screening Along District Boundaries.

Screening shall be provided along side and rear property boundaries between commercial, mixed use or industrial districts and residential districts. Screening shall consist of a solid wall, solid fence, or hedge with year-round foliage, between six (6) and eight (8) feet in height, except that within the front yard setback area, screening shall not exceed four (4) feet in height. Height of screening shall be measured from natural or approved grade. Berms and retaining walls shall not be used to increase grade relative to screening height.

Screening of Other Site Elements.

The following site elements shall be screened in compatibility with the design elements, materials and colors used elsewhere on the site, as follows:

(a) Refuse Disposal Areas. All developments, except single family and two family developments, shall provide a refuse disposal area. Such area shall be screened on four (4) sides (including a gate for access) by a solid, commercial-grade wood fence, wall, or equivalent material with a minimum height of six (6) feet and not greater than seven (7) feet.

(b) Outdoor Storage Areas. Outdoor storage areas shall be screened from abutting residential uses with a by a building wall or solid, commercial-grade wood fence, wall, year-round hedge, or equivalent material, with a minimum height of six (6) feet and not greater than seven (7) feet. Screening along district boundaries, where present, may provide all or part of the required screening.

(c) Loading Areas. Loading areas shall be screened from abutting residential uses and from street view to the extent feasible by a building wall or solid, commercial-grade wood fence, or equivalent material, with a minimum height of six (6) feet and not greater than seven (7) feet. Screening along district boundaries, where present, may provide all or part of the required screening.

(d) Mechanical Equipment. All rooftop and ground level mechanical equipment and utilities shall be fully screened from view from any street or residential district, as viewed from six (6) feet above ground level. Screening may consist of a building wall or fence and/or landscaping as approved by the Zoning Administrator.

Maintenance.

The owner of the premises is responsible for the watering, maintenance, repair and replacement of all landscaping, fences, and other landscape architectural features on the site. All planting beds shall be kept weed free. Plant material that has died shall be replaced no later than the upcoming June 1.

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number	BUG Rating
	4	4MB-16L	SINGLE	1.000	12350	104	OSQM-B-16L-57K7-4M-UL-NM-BZ w/OSQ-ML-B-AA-BZ + OSQ-BLSLF	B1-U0-G2
	1	4M-2(180)-16L	2 @ 180°	1.000	16100	104	OSQM-B-16L-57K7-4M-UL-NM-BZ w/OSQ-ML-B-AA-BZ	B2-U0-G3
	6	H1	SINGLE	1.000	1256	17.9	CL-H-18110-91-HL-D-91-13-LED2-30-DBCM-M	B1-U0-G0
	7	Dalt	SINGLE	1.000	1200	14.5	Comparable to existing building lights	B1-U0-G0

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Paved Area	Fc	2.65	12.3	0.7	3.79	17.57
Property Line	Fc	0.20	0.5	0.0	N.A.	N.A.

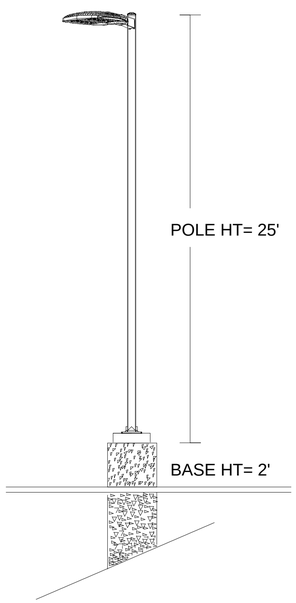
Calculations on property line are at 4' AFG.

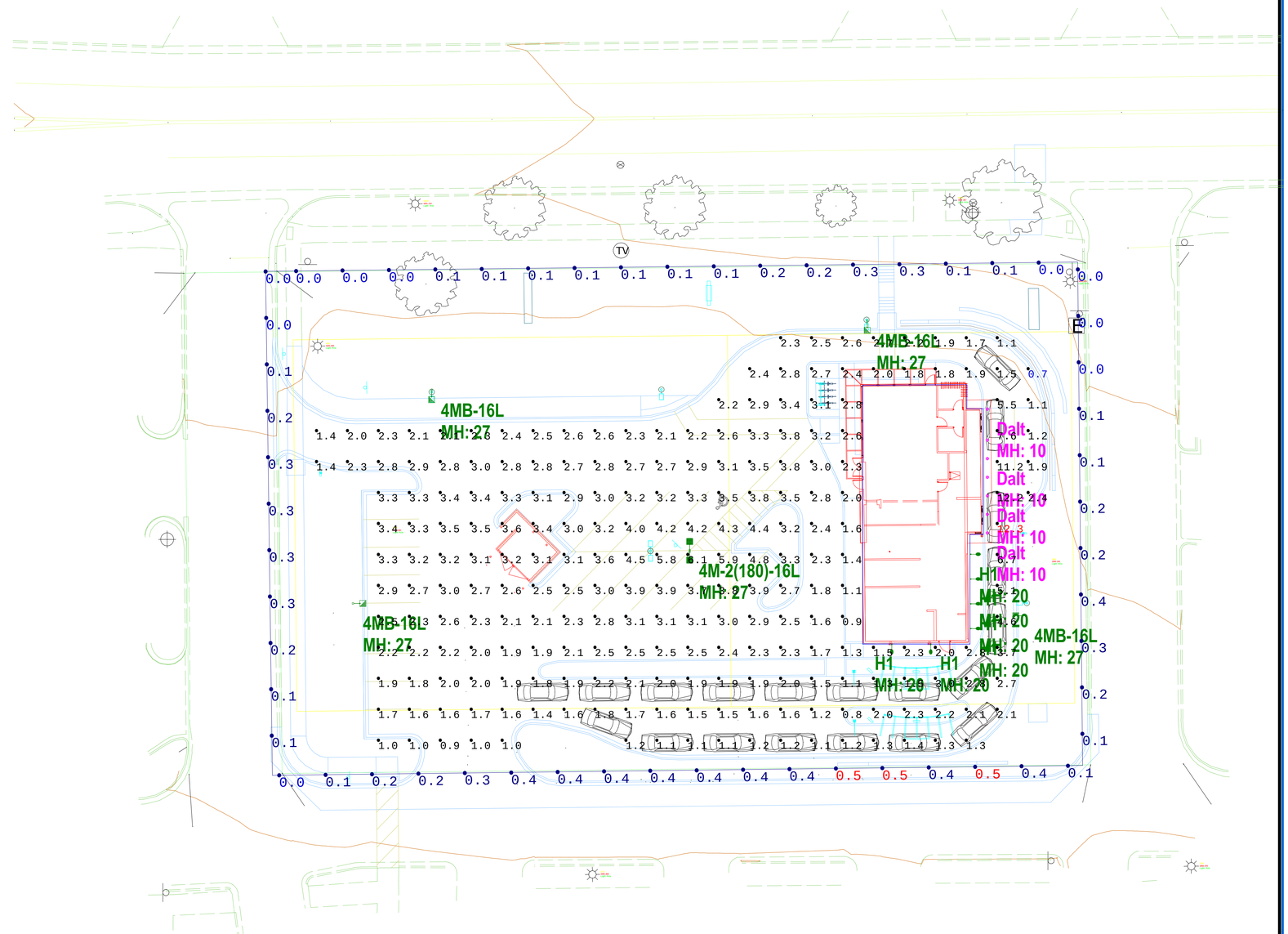
FIXTURE MOUNTING HEIGHT: 27' AFG (25' POLE + 2.0' Base)

ADDITIONAL EQUIPMENT REQUIRED:
(5) CL-SSP-4011-25-OT-BZ (25' x 4" x 11ga STEEL SQUARE POLE)
(4) PB-1A4BZ SINGLE TENON
(1) PB-2A4BZ TWIN TENON
(6) OSQ-B-ML-AA-BZ ADJUSTABLE ARM MOUNT

PROPOSED POLES MEET 100MPH SUSTAINED WIND LOADS

OSQ Area Luminaire





CREE LIGHTING
A COMPANY OF IDEAL INDUSTRIES, INC.
9201 Washington Ave, Racine, WI 53406 https://creelighting.com - (800) 236-6800

Illumination results shown on this lighting design are based on project parameters provided to Cree Lighting used inconjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting,or energy code.

Project Name: Popeye's - Odana Rd Madison, WI
SR-36676
Case #00478243

Footcandles calculated at grade

Filename: POP-211001MAWIBAFR3.AGI

Layout By:
Ben Foster
Date:2/4/2022

Scale 1" = 20'
0 40 80

Square Steel Poles

CL-SSP Series

Type: CL-SSP-4011-25-D6-PS

CATALOG

CL-SSP

SIZE/GAUGE

4011 – 4″ Square/11ga
(available on 18′, 20′ and 25′ poles)
4007 – 4″ Square/7ga
(available on 25′ and 30′ poles)
5011 – 5″ Square/11ga
(available on 25′, 26′ poles)
5007 – 5″ Square/7ga
(available on 25′, 28′ and 30′ poles)

HEIGHT

18 – 18′
20 – 20′
25 – 25′
26 – 26′
28 – 28′
30 – 30′

MOUNTING

OT – Open Top
TT – Tenon Top
D1 – Drilled for Single
D2 – Drilled for Double at 180˚
D3 – Drilled for Double at 90˚
D5 – Drilled for Triple at 90˚
D6 – Drilled for Quad at 90˚

FINISH

Polyester Powder Coat Finish
BZ – Bronze
SV – Silver
BK – Black
WH – White
PS – Platinum Silver

SHAFT

- ASTM A-500 Grade B carbon steel
- Minimum 46,000 P.S.I. yield strength
- Drilled top includes removable cap
- Tenon top includes 2-3/8″ O.D. x 4.0″ H x .25″ Thick tenon

BASE PLATE

- ASTM A-36 hot rolled carbon steel
- Minimum 36,000 P.S.I. yield strength
- Removable Base Cover
- 8.0″ Square Base Plate (4″ Poles)
- 11.0″ Square Base Plate (5″ Poles)
- 0.75″ Thick Base Plate (11ga. Poles)
- 0.75″ Thick Base Plate (7ga. 4″ Poles)
- 1.0″ Thick Base Plate (7ga. 5″ Poles)
- ø8.5″ Bolt Circle (4″ Poles)
- ø10.5–11.5″ Bolt Circle (5″ Poles)
- 1.0″ Bolt Holes (11ga. Poles)
- 1.25″ Bolt Holes (7ga. Poles)
- 5.66″ – 6.36″ Bolt Pattern Measurement (4″ poles)
- 7.43″ – 8.13″ Bolt Pattern Measurement (5″ Poles)

ANCHOR BOLTS

- F1554 Grade
- Minimum 55,000 P.S.I. yield strength
- Fully galvanized
- 17.0″ L x 0.75″ Dia. J Bolts (11ga. Poles)
- 37.0″ L x 1.0″ Dia. J Bolts (7ga. Poles)
- Includes two hex nuts and two flat washers

HAND HOLE

- 3.0″ x 5.0″ Hand Hole w/ Cover
- Located 14.0″ above base

ACCESSORIES

Templates
CS006S05 (4″/11ga Poles)
CS006S06 (5″/11ga Poles)
CS006S07 (5″/7ga Poles)

Anchor Bolts
CZ066X01R0 (11ga Poles)
CZ066X03R0 (7ga Poles)

WARRANTY

One-year limited warranty. Certain exclusions apply. For details, contact factory.

© 2016 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content is subject to change.

T (800) 236-6800 F (262) 504-5415

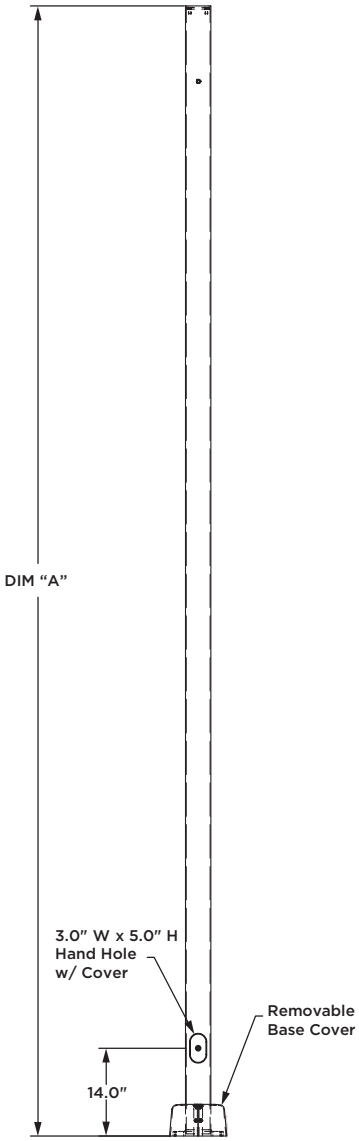
Square Steel Poles

CL-SSP Series

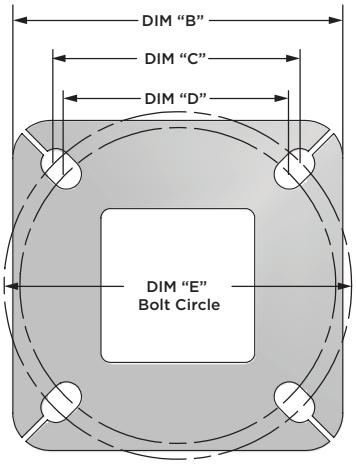
POLE DATA

Pole Selection	DIMENSIONS										EPA/WINDLOADING (sq. ft.)			
	Pole Size	Pole Gage	DIM "A" Pole Height	DIM "B" Base Plate	DIM "C" Min. Bolt Pattern	DIM "D" Max. Bolt Pattern	DIM "E" Bolt Circle	DIM "F" Anchor Bolt Diameter	DIM "G" Anchor Bolt Height	DIM "H" Anchor Bolt Width	80*	90*	100*	120*
CL-SSP-4011-18	4″	11ga.	18′	8″ SQ.	5.66″	6.36″	ø8.5″	0.75″	17″	3″	11.1	9.0	7.2.	5.1
CL-SSP-4011-20	4″	11ga.	20′	8″ SQ.	5.66″	6.36″	ø8.5″	0.75″	17″	3″	9.0	7.3	5.9	4.2
CL-SSP-4011-25	4″	11ga.	25′	8″ SQ.	5.66″	6.36″	ø8.5″	0.75″	17″	3″	4.1	3.3	2.6	1.8.
CL-SSP-4007-25	4″	7ga.	25′	8″ SQ.	5.66″	6.36″	ø8.5″	0.75″	17″	3″	9.7	7.8	6.3	4.5
CL-SSP-5011-25	5″	11ga.	25′	11″ SQ.	7.43″	8.13″	ø10.5–11.5″	0.75″	17″	3″	8.5	6.9	5.6	4.0
CL-SSP-5007-25	5″	7ga.	25′	11″ SQ.	7.43″	8.13″	ø10.5–11.5″	1″	37″	4″	17.5	14.2	11.4	8.1
CL-SSP-5011-26	5″	11ga.	26′	11″ SQ.	7.43″	8.13″	ø10.5–11.5″	0.75″	17″	3″	4.8	3.9	3.1	2.2
CL-SSP-5007-28	5″	7ga.	28′	11″ SQ.	7.43″	8.13″	ø10.5–11.5″	1″	37″	4″	11.4	9.2	7.4	5.3
CL-SSP-5007-30	5″	7ga.	30′	11″ SQ.	7.43″	8.13″	ø10.5–11.5″	1″	37″	4″	10.6	8.6	6.9	4.9

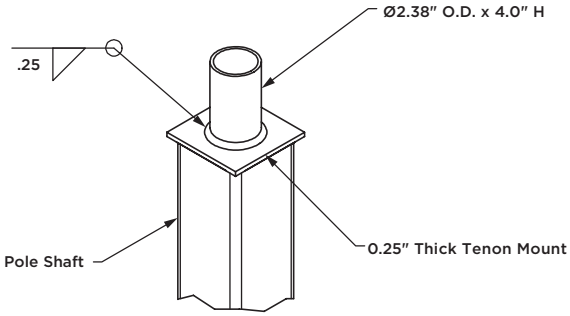
* Includes 1.3 gust factor.



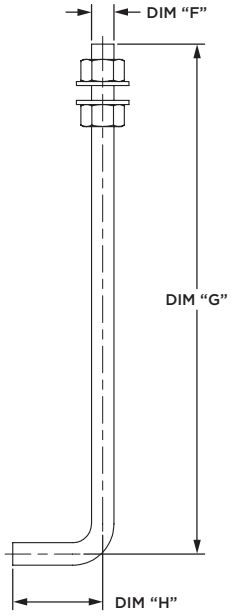
POLE DETAIL



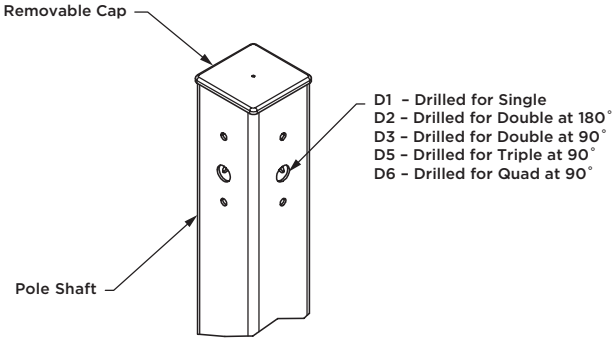
BASE PLATE



TENON MOUNT STYLES



ANCHOR BOLT



DRILLED MOUNT STYLES

T (800) 236-6800 F (262) 504-5415

© 2016 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content is subject to change.

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

Rev. Date: V5 09/14/2021

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 6L lumen package is a suitable upgrade for HID applications up to 250 Watt, and the 11L lumen package is a suitable upgrade for HID applications up to 400 Watt. The 22L lumen package is a suitable upgrade for HID applications up to 750 Watts, and the 30L lumen package is a suitable upgrade for HID applications up to 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, tunnels, underpasses, and internal roadways

Performance Summary

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

NanoOptic® Precision Delivery Grid™ optic

Assembled in the U.S.A. of U.S. and imported parts

Initial Delivered Lumens: 4,000 - 30,000

Efficacy: Up to 173 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty†: 10 years on luminaire; 10 years on Colorfast DeltaGuard® finish; up to 5 years for Synapse® accessories; 1 year on luminaire accessories

† See http://creelighting.com/warranty for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

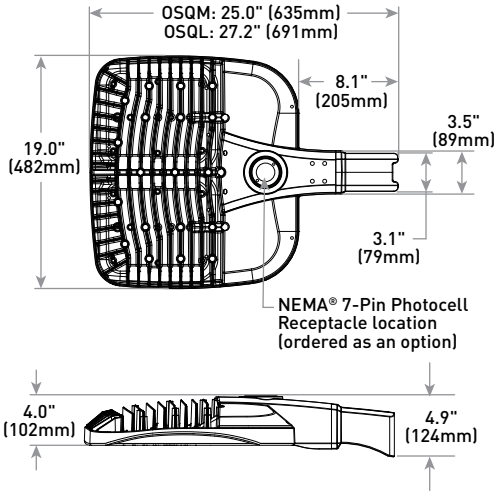
Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:
Example: **Mount:** OSQ-ML-B-AA-BK + **Luminaire:** OSQM-B-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*	
OSQ-	
OSQ-ML-B-AA Adjustable Arm **OSQ-ML-B-DA** Direct Arm **OSQ-ML-B-TSP** Transportation Mount (stainless steel; do not specify color) **OSQ-ML-B-TM** Trunnion Mount	**Color Options:** **SV** Silver **BK** Black **BZ** Bronze **WH** White

* Reference EPA and pole configuration suitability data beginning on page 10

OSQ-ML-B-DA Mount



Luminaire	Weight
OSQM	28.9 lbs. (13.1kg)
OSQL	32.4 lbs. (14.7kg)

Note: Refer to page 11 for fixture mounting drill pattern. For additional mounts, refer to drawings beginning on page 19

Luminaire (Mount must be ordered separately)

OSQ		B								
Family	**Size**	**Series**	**Lumen Package†**	**CCT/CRI**	**Optic**	**Voltage**	**Mount**	**Color Options**	**Controls****	**Options**
OSQ	**M** Medium **L** Large	**B**	**Medium** **4L** 4,000 Lumens **6L** 6,000 Lumens **9L** 9,000 Lumens **11L** 11,000 Lumens **16L** 16,000 Lumens **Large** **22L** 22,000 Lumens **30L** 30,000 Lumens	**30K7** 3000K, 70 CRI **40K7** 4000K, 70 CRI **50K9** 5000K, 90 CRI **57K7** 5700K, 70 CRI	**Asymmetric** **2M*** Type II Medium **3M*** Type III Medium **4M*** Type IV Medium **Symmetric** **5M** Type V Medium **5N** Type V Narrow **5Q** Type V Square **N3** Narrow Flood **33** NEMA® 3x3 **44** NEMA® 4x4 **55** NEMA® 5x5 **66** NEMA® 6x6 **75** NEMA® 7x5	**UL** Universal 120-277V **UH** Universal 347-480V - Not available with 4L or 6L lumen packages	**NM** No Mount - Must specify mount from table above - Mount ships separately	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**PML Programmable Multi-Level, up to 40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **PML2 Programmable Multi-Level, 10-30' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output** - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 12-18 for power and lumen values - Not available with PML or PML2 options **X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output** - Must select add X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with 22L or 30L lumen packages - Not available with PML or PML2 options - Lumen output is permanently locked to the setting selected - Refer to pages 12-18 for power and lumen values	**20KV 20kV/10kA Surge Suppression** - Replaces standard 10kV surge protection **F Fuse** - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse **R NEMA® 7-Pin Photocell Receptacle** - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - 18" (457mm) seven-conductor cord exits luminaire - Requires photocell or shorting cap by others **RL Rotate Left** - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 19 for optic directionality - Not for use with symmetric optics **RR Rotate Right** - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 19 for optic directionality - Not for use with symmetric optics

† Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values
* Available with Backlight Shield when ordered with field-installed accessory (see table above)
** Luminaire comes standard with 0-10V dimming

US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING®

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 11 for fixture mounting drill pattern.
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon.
- Adjustable arm mount can be adjusted 180˚ in 2.5˚ increments.
- Transportation mount is constructed of 316 stainless steel and mounts to surface with (4) 3/8" fasteners by others
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180˚ in 15˚ degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires ordered with NM mount include 18" (340mm) 18/5 or 16/5 cord exiting the luminaire; when combined with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight

Mount	Housing	
	Medium	Large
OSQ-ML-B-AA	28.4 lbs. (12.9kg)	32.0 lbs. (14.5kg)
OSQ-ML-B-DA	28.9 lbs. (13.1kg)	32.4 lbs. (14.7kg)
OSQ-ML-B-TSP	42.0 lbs. (19.1kg)	44.0 lbs. (20.0kg)
OSQ-ML-B-TM	32.6 lbs. (14.8kg)	36.1 lbs. (16.4kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard; 20kV surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **Maximum 10V Source Current:** 1.0mA
- **Operating Temperature Range:** -40˚C - +40˚C (-40˚F - +104˚F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL Recognized in accordance with UL8750
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV (standard) and 20kV (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct or transportation mounts only. Please refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/ for most current information
- DLC Premium qualified versions available. Please refer to https://www.designlights.org/search/ for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories

Twist-Lock Lighting Controller
TL7-B2
- Suitable for 120-277V (UL) voltage only
- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle
- Not for use with PML or PML2 options
- Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire
- Refer to TL7-B2 spec sheet for details

Twist-Lock Lighting Controller
TL7-HVG
- Suitable for 120-480V (UL and UH) voltage
- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle
- Not for use with PML or PML2 options
- Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire
- Refer to TL7-HVG spec sheet for details

SimplySNAP Central Base Station
CBSSW-450-002
- Includes On-Site Controller (SS450-002) and 5-button switch
- Indoor and Outdoor rated
- Refer to CBSSW-450-002 spec sheet for details

Synapse Wireless Sensor
WSN-DPM
- Motion and light sensor
- Control multiple zones
- Refer to WSN-DPM spec sheet for details

SimplySNAP On-Site Controller
SS450-002
- Verizon® LTE-enabled
- Designed for indoor applications
- Refer to SS450-002 spec sheet for details

Building Management System (BMS) Gateway
BMS-GW-002
- Required for BACnet integration
- Refer to BMS-GW-002 spec sheet for details

Outdoor Antennas
(Optional, for increased range, 8dB gain)
KIT-ANT420SM
- Kit includes antenna, 20' cable and bracket

KIT-ANT360
- Kit includes antenna, 30' cable and bracket

KIT-ANT600
- Kit includes antenna, 50' cable and bracket
- Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	Optic	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
				120V	208V	240V	277V	347V	480V
4L**	All	29	30	0.25	0.14	0.12	0.11	N/A	N/A
6L**	Asymmetric	48	50	0.41	0.23	0.20	0.17	N/A	N/A
	Symmetric	39	40	0.33	0.19	0.17	0.14	N/A	N/A
9L	All	60	60	0.51	0.29	0.25	0.22	0.18	0.13
11L	All	72	70	0.62	0.36	0.31	0.27	0.21	0.16
16L	All	104	100	0.89	0.51	0.43	0.39	0.31	0.22
22L	All	132	130	1.12	0.63	0.55	0.47	0.39	0.28
30L	All	202	200	1.72	0.96	0.84	0.72	0.60	0.43

* Electrical data at 25˚C (77˚F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V+/-10%
** Available with UL voltage only

OSQ Series Ambient Adjusted Lumen Maintenance[1]

Ambient	Optic	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Reported[2]/ Estimated[3] LMF	100K hr Reported[2]/ Estimated[3] LMF
5˚C (41˚F)	Asymmetric	1.04	1.03	1.01	0.99[2]	0.97[2]
	Symmetric	1.05	1.05	1.05	1.05[3]	1.05[3]
10˚C (50˚F)	Asymmetric	1.03	1.02	1.00	0.98[2]	0.96[2]
	Symmetric	1.04	1.03	1.03	1.03[3]	1.03[3]
15˚C (59˚F)	Asymmetric	1.02	1.01	0.99	0.97[2]	0.95[2]
	Symmetric	1.02	1.02	1.02	1.02[3]	1.02[3]
20˚C (68˚F)	Asymmetric	1.01	1.00	0.98	0.96[2]	0.94[2]
	Symmetric	1.01	1.01	1.01	1.01[3]	1.01[3]
25˚C (77˚F)	Asymmetric	1.00	0.99	0.97	0.95[2]	0.93[2]
	Symmetric	1.00	1.00	1.00	1.00[3]	1.00[3]

[1] Lumen maintenance values at 25˚C (77˚F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average nighttime ambient conditions.
[2] In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Accessories

Field-Installed

Backlight Shield (Front Facing Optics)
OSQ-BLSMF (Medium)
OSQ-BLSLF (Large)

Backlight Shield (Rotated Optics)
OSQ-BLSMR (Medium)
OSQ-BLSLR (Large)

Bird Spikes
OSQ-MED-BRDSPK
OSQ-LG-BRDSPK

Hand-Held Remote
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Shorting Cap
XA-XSLSHRT

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number	BUG Rating
	4	4MB-16L	SINGLE	1.000	12350	104	OSQM-B-16L-57K7-4M-UL-NM-BZ w/OSQ-ML-B-AA-BZ + OSQ-BLSLF	B1-U0-G2
	1	4M-2(180)-16L	2 @ 180°	1.000	16100	104	OSQM-B-16L-57K7-4M-UL-NM-BZ w/OSQ-ML-B-AA-BZ	B2-U0-G3
	6	H1	SINGLE	1.000	1256	17.9	CL-H-18110-91-HL-D-91-13-LED2-30-DBCM-M	B1-U0-G0
	7	Dalt	SINGLE	1.000	1200	14.5	Comparable to existing building lights	B1-U0-G0

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Paved Area	Fc	2.65	12.3	0.7	3.79	17.57
Property Line	Fc	0.20	0.5	0.0	N.A.	N.A.

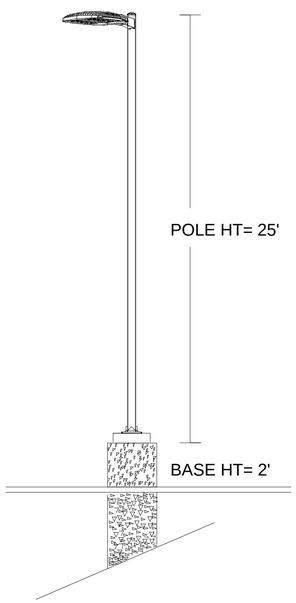
Calculations on property line are at 4' AFG.

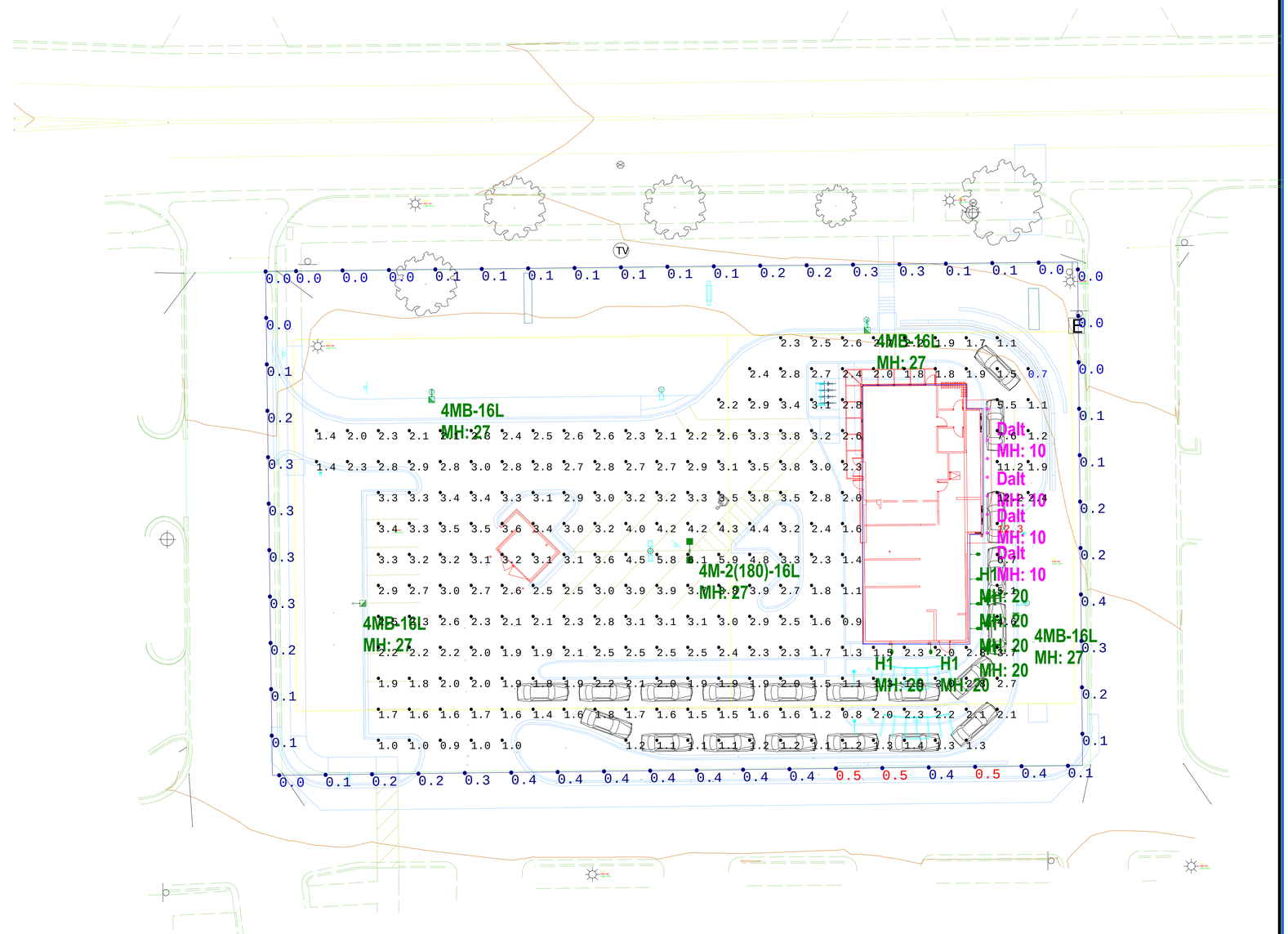
FIXTURE MOUNTING HEIGHT: 27' AFG (25' POLE + 2.0' Base)

ADDITIONAL EQUIPMENT REQUIRED:
(5) CL-SSP-4011-25-OT-BZ (25' x 4" x 11ga STEEL SQUARE POLE)
(4) PB-1A4BZ SINGLE TENON
(1) PB-2A4BZ TWIN TENON
(6) OSQ-B-ML-AA-BZ ADJUSTABLE ARM MOUNT

PROPOSED POLES MEET 100MPH SUSTAINED WIND LOADS

OSQ Area Luminaire





CREE LIGHTING
A COMPANY OF IDEAL INDUSTRIES, INC.
9201 Washington Ave, Racine, WI 53406 https://creelighting.com - (800) 236-6800

Illumination results shown on this lighting design are based on project parameters provided to Cree Lighting used inconjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting,or energy code.

Project Name: Popeye's - Odana Rd Madison, WI
SR-36676
Case #00478243

Footcandles calculated at grade

Filename: POP-211001MAWIBAFR3.AGI

Layout By:
Ben Foster
Date:2/4/2022

Scale 1" = 20'
0 40 80