



ENGINEERING PLANS

FOR

MCDONALD'S - POPLAR GROVE, IL

AT

13675 ILLINOIS ROUTE 76

VILLAGE OF POPLAR GROVE

BOONE COUNTY, IL

CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON START OF CONSTRUCTION IN ORDER FOR ENGINEER TO SCHEDULE THE INITIAL 7-DAY EROSION CONTROL INSPECTION. THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING INITIAL BMP'S ARE INSTALLED PROPERLY. ALL COMPENSATION FOR DESIGN ENGINEER'S RE-INSPECTION TO VERIFY THAT THE INITIAL BMP'S ARE INSTALLED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.*

CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

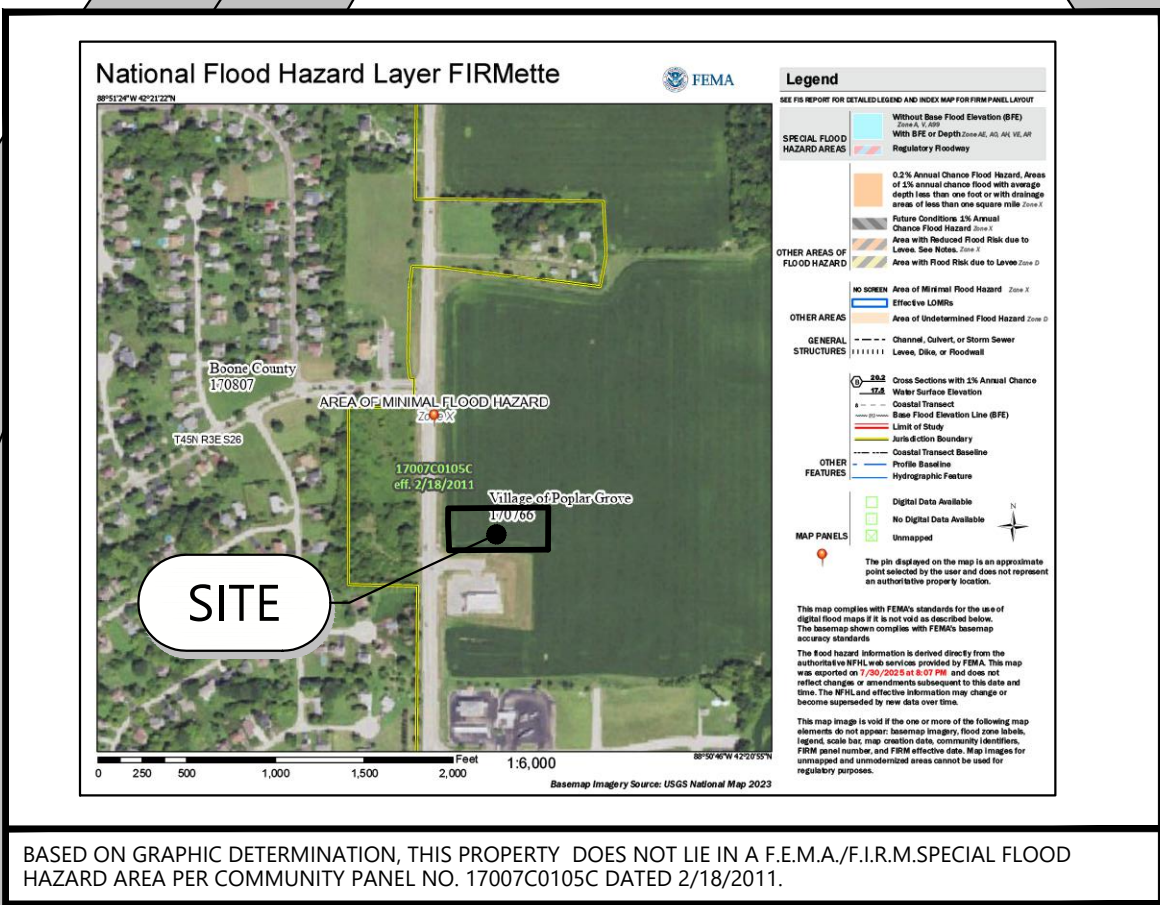
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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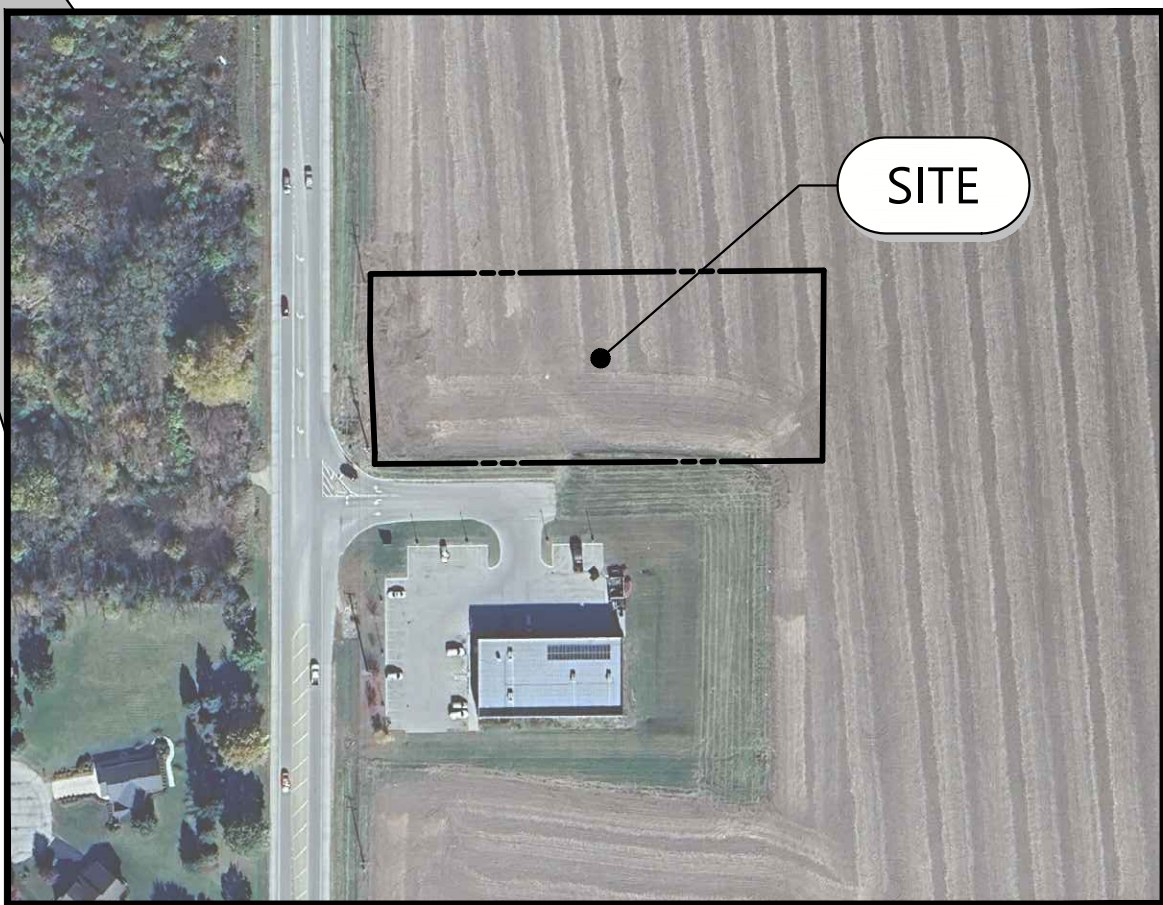
VICINITY MAP

N.T.S.



FEMA MAP

N.T.S.



AERIAL MAP

N.T.S.

BENCHMARK

REFERENCE BENCHMARK
NATIONAL GEODETIC SURVEY MONUMENT MB014
PID: DM5648
DATUM: NAVD 88
ELEVATION = 915.73

SITE BENCHMARK

SITE BENCHMARK #1:
BOLT WITH ARROW ON FIRST FIRE HYDRANT NORTH OF SITE ENTRANCE ON EAST SIDE OF ILLINOIS ROUTE 76
ELEVATION = 907.12

SITE BENCHMARK #2:
BOLT WITH ARROW ON FIRST FIRE HYDRANT SOUTH OF SITE ENTRANCE ON EAST SIDE OF ILLINOIS ROUTE 76
ELEVATION = 902.82

DEVELOPMENT TEAM

OWNER/DEVELOPER
MCDONALD'S
110 N. CARPENTER ST.
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CIVIL ENGINEER
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SURVEYOR
COMPASS SURVEYING, LTD
2631 GINGER WOODS PKWY, SUITE 100
AURORA, IL 60502
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EMAIL: ADMIN@CLSURVEYING.COM
CONTACT: SCOTT KREBS, PLS

GOVERNING AGENCIES AND UTILITY CONTACTS

POPLAR GROVE PLANNING & ZONING
200 N. HILL STREET
POPLAR GROVE, IL 61065
PHONE: (815) 765-3201

POPLAR GROVE BUILDING & CODE
200 N. HILL STREET
POPLAR GROVE, IL 61065
PHONE: (815) 760-3201

POPLAR GROVE WATER / SEWER / STORM
200 N. HILL STREET
POPLAR GROVE, IL
PHONE: (815) 978-0090

PROJECT INFORMATION

TOTAL SITE AREA: 72,666± S.F. (1.67± AC.)
PROJECT DISTURBED AREA: 101,970± S.F. (2.34± AC.)
PROJECT EXISTING IMPERVIOUS AREA: 0± S.F. (0± AC.)
PROJECT PROPOSED IMPERVIOUS AREA: 41,310± S.F. (0.95± A.C.)
ZONING: GB (GENERAL BUSINESS)

PROJECT NARRATIVE

CONSTRUCTION OF A NEW 4,180 SQUARE-FOOT QUICK SERVE RESTAURANT WITH DRIVE-THRU AND ASSOCIATED SITE AND UTILITY INFRASTRUCTURE

SUBMITTAL RECORD

SPECIAL USE PERMIT - 10/10/2025

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STATE OF ILLINOIS) SS
COUNTY OF BOONE)

I, JAMES T. COYLE, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE CIVIL ENGINEERING PLANS, NOT THE SUPPORTING DOCUMENTS, AS LISTED IN THE INDEX, HAVE BEEN PREPARED BY ATWELL, LLC, UNDER MY PERSONAL DIRECTION. THESE PLANS ARE INTENDED TO BE USED AS AN INTEGRAL PART OF THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATE: _____
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-054898.
MY LICENSE EXPIRES ON 11-30-2025.

UNLESS THIS DOCUMENT BEARS ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE DESIGN ENGINEER, IT IS NOT A VALID DOCUMENT.

ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184.005876

COVER

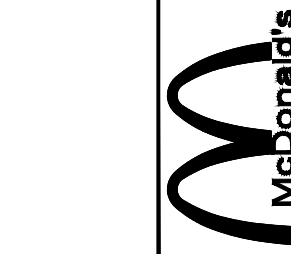


PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY, IL 61065

24 HOUR EMERGENCY CONTACT
NAME
PHONE

McDonald's
110 N. Carpenter St.
Chicago, IL 60607

MCDONALD'S - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS



PLAN REVISIONS & RECORDS										
REV	DATE	DESCRIPTION	BY	CHKD	APP'D	DATE	DESCRIPTION	BY	CHKD	APP'D

PROJECT NO. 25006700
SHEET NO. C000

FILE NAME: \\garh3\projects\25006700\ACD - 122773 - Poplar Grove IL DWG\Engineering\04 PRODUCTION\CONTRACT NOTES.dwg LAST SAVED BY: jibrown 8/19/2023 12:56 PM PLOTTED BY: Logan Brown 10/08/2023 PAPER: ARCH-FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWS TO PDF 300DIP PC3 PLOT STYLE: ATWELL.CBT

PROJECT SPECIFICATIONS

1. CONTRACTOR IS TO FOLLOW ALL ORDINANCES AND REQUIREMENTS OF THE STATE, COMMUNITY, LOCAL DISTRICTS AND THE ILLINOIS ACCESSIBILITY CODE (IAC), ALL PROPOSED IMPROVEMENTS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS WELL AS THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" CURRENT EDITIONS.
2. THE CONTRACTOR SHALL INDEMNIFY WATERMARK ENGINEERING RESOURCES, LTD (THE DESIGN ENGINEER), ARCHITECT AND OWNER, THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONDUCTING WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THIS DEVELOPMENT.
3. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS THAT ARE REQUIRED BY THE LOCAL AGENCIES.
4. PRIOR TO BID AND PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL INSPECT THE SITE TO VERIFY THAT THERE ARE NO DISCREPANCIES BETWEEN THE PLANS AND THE ACTUAL CONDITIONS AT THE SITE. IF ANY DISCREPANCIES ARE FOUND, AT ANY TIME BEFORE OR DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY (BEFORE ANY ADDITIONAL IMPROVEMENTS ARE INSTALLED) IN ORDER TO OBTAIN WRITTEN CONFIRMATION BY THE DESIGN ENGINEER AS TO ANY REVISIONS THAT MAY NEED TO BE MADE TO THE PLANS.
5. PRIOR TO CONSTRUCTION, CONTRACTOR IS TO CONTACT THE DESIGN ENGINEER AND ARCHITECT TO VERIFY THAT THEY ARE WORKING FROM THE MOST CURRENT SET OF PLANS AND SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION, AND ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION 2 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE APPROPRIATE CONSTRUCTION INSPECTIONS.
7. THE MUNICIPALITY SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF THE IMPROVEMENTS.
8. PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS, THE CONTRACTOR MUST CALL J.U.L.I.E. FOR THE LOCATION AND STAKING OF EXISTING UNDERGROUND UTILITIES (GAS, ELECTRIC, TELEPHONE) AT 1-800-892-0123, 48 HOURS PRIOR TO DIGGING.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING RECORD DRAWINGS PER THE MUNICIPALITY AND/OR ANY OTHER AGENCY REQUIREMENTS. ANY CHANGES TO THE DRAWINGS MUST BE REPORTED TO THE DESIGN ENGINEER BEFORE WORK PROGRESSES.
10. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE MUNICIPALITY.
11. ALL QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE TO BE VERIFIED PRIOR TO CONSTRUCTION. IF DISCREPANCIES OCCUR, THE CONTRACTOR IS TO CONTACT THE DESIGN ENGINEER IMMEDIATELY AND NO WORK IS TO BE DONE UNTIL APPROVED BY THE DESIGN ENGINEER.
12. ANY RESTORATION NEEDED BECAUSE OF CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.
13. TRENCH BACKFILL MATERIAL, CRUSHED STONE OR LIMESTONE (CA-6) IS REQUIRED UNDER AND WITHIN TWO FEET (2') OF SIDEWALKS AND PAVED AREAS. THIS BACKFILL SHALL BE SIX INCH (6") LIFTS AND COMPACTED TO 95% STANDARD PROCTOR.
14. CONTRACTOR IS TO PROVIDE ALL TEMPORARY SIGNAGE AS REQUIRED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND LOCAL MUNICIPALITIES.
15. ALL EXISTING DRAIN TILES THAT ARE ENCOUNTERED ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION OR REROUTED TO THE PROPOSED STORM SEWER SYSTEM.
16. RESTORATION OF EXISTING RIGHT-OF-WAYS IS TO BE COMPLETED WITH FOUR INCH (4") MINIMUM TOPSOIL AND SALT TOLERANT SOD UNLESS OTHERWISE NOTED.
17. THE WATER SYSTEM CANNOT BE SHUT DOWN WITHOUT CONSENT BY THE OWNER OF THE SYSTEM.
18. ALL FRAME ADJUSTMENTS SHALL BE MADE WITH PRE-CAST CONCRETE RINGS CONFORMING TO ASTM C-39 AND CANNOT EXCEED TWELVE INCHES (12").
19. FRAMES SHALL BE SET WITH EZ STIK® (OR EQUAL) MATERIAL TO PREVENT LEAKAGE.
20. THE REINFORCED CONCRETE SECTIONS SHALL BE LAID IN MORTAR, SEALED WITH EXTERNAL SEALING BANDS, OR SEALED USING MASTIC JOINT SEALER. WHEN MASTIC JOINT SEALER IS USED, THE MATERIAL SHALL COMPLETELY FILL THE JOINT AFTER THE UNITS HAVE BEEN BROUGHT TOGETHER.
21. STEPS IN STRUCTURES SHALL BE MADE OF COPOLYMER POLYPROPYLENE PLASTIC WITH CONTINUOUS ONE HALF INCH (½") GRADE SIXTY (60) STEEL REINFORCEMENT, STEP PSI-PF, AS MANUFACTURED BY M.A. INDUSTRIES, INC., OR APPROVED EQUAL. STEPS TO BE SPACED SIXTEEN INCHES (16") ON-CENTER.
22. ALL INSTRUMENTS ARE TO BE PROPERLY CALIBRATED PRIOR TO CONSTRUCTION USE.
23. ALL PARKING LOT LIGHT POLES ARE TO BE CONSTRUCTED AT THE INTERSECTION OF PARKING LOT STRIPING OR IN LANDSCAPE AREAS WITH A MINIMUM OF 2' CLEARANCE BETWEEN THE BACK OF CURB AND THE EDGE OF THE PARKING LOT LIGHT BASE UNLESS OTHERWISE SPECIFIED.
24. GENERAL CONTRACTOR TO BECOME FAMILIAR WITH AND APPLY THE ADA MINIMAL REQUIREMENTS AND REPORT TO ARCHITECT/DESIGN ENGINEER ANY DISCREPANCIES BEFORE CONSTRUCTION. THIS INCLUDES, BUT NOT LIMITED TO, TRANSITIONS TO EXISTING CONDITIONS.
25. CONSTRUCTION MEANS, METHODS AND JOB SITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.
26. PAVING, SIDEWALK, AND CURBING IS NOT TO BE INSTALLED IN SUCH A WAY THAT IT WILL BLOCK THE FLOW OF WATER AWAY FROM THE BUILDING INCLUDING BUT NOT LIMITED TO WEEP HOLES, WICKS, DRAINAGE SCUPPERS OR PIPES, AND LANDSCAPE.

GRADING

1. GEOTECHNICAL REPORTS AS PREPARED BY OWNER (OR REPRESENTATIVE) SHALL BE REFERRED TO PRIOR TO EARTH MOVING AND/OR UTILITY CONSTRUCTION.
2. UNSTABLE SOIL SHALL BE REMOVED OR STABILIZED.
3. CONTRACTOR IS TO MAINTAIN A POSITIVE DRAINAGE PATTERN AT THE END OF EACH DAY. CARE SHOULD BE TAKEN TO INSURE THAT DRAINAGE IS NOT REROUTED OR BLOCKED IN A WAY THAT MAY BE INJURIOUS TO ADJACENT LAND.
4. THE SUB-BASE BELOW STRUCTURES, PAVEMENTS OR NEW STRUCTURAL FILL SHALL BE PROOF ROLLED. IF SOIL RUTS, PUMPS, DEFLECTS EXCESSIVELY OR EXHIBITS EXCESSIVE MOVEMENT OF MOISTURE, THEN THE UNSTABLE SOIL SHALL BE UNDERCUT AND REPLACED WITH STRUCTURAL FILL OR DISCING AND DRYING TO NEAR OPTIMUM MOISTURE SO SOIL CAN BE PROPERLY COMPACTED. THIS PROCESS IS TO BE OBSERVED BY A GEOTECHNICAL ENGINEER.
5. ALL FILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO A MINIMUM OF 98% STANDARD LABORATORY DENSITY PER ASTM D698 UNDER AND WITHIN INFLUENCE OF THE BUILDING, A MINIMUM OF 95% STANDARD LABORATORY DENSITY PER ASTM D698 UNDER AND WITHIN THE INFLUENCE OF ALL OTHER IMPERVIOUS AREAS, AND A MINIMUM OF 90% STANDARD LABORATORY DENSITY PER ASTM D698 IN ALL LANDSCAPE AREAS.
6. EROSION CONTROL SHALL BE PROVIDED PRIOR TO ANY DISTURBANCES. SEE EROSION CONTROL PLANS FOR ADDITIONAL SPECIFICATIONS AND DETAILS.
7. PROVIDE TOPSOIL RESPREAD PER THE FOLLOWING UNLESS OTHERWISE NOTED:

7.1. 4" MINIMUM IN GRASS OR SOD AREAS.

7.2. 6" MINIMUM IN PLANTING AREAS.

7.3. 12" MINIMUM IN LANDSCAPE AREAS.
8. ALL TOPSOIL IS TO BE FRIABLE (NOT COHESIVE), WEED FREE, AND FREE OF ROCKS, LARGE ROOTS AND UNNATURAL DEBRIS.
9. ALL GRADING IS TO BE CONSTRUCTED TO WITHIN A TOLERANCE OF 0.10' OF THE PROPOSED ELEVATIONS. SEE PAVEMENT SPECIFICATIONS FOR PAVEMENT TOLERANCES.

PAVEMENT

1. ALL PAVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING REFERENCES AS THEY APPLY: STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION; MANUAL FOR STRUCTURAL DESIGN OF PORTLAND CEMENT CONCRETE PAVEMENT, ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION; DESIGN MANUAL, ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
2. ALL BASE COURSE AND SUB-BASE AREAS SHALL BE COMPACTED TO 95% STANDARD LABORATORY DENSITY, PER I.D.O.T. SECTION 301. BEFORE THE BASE COURSE MATERIALS ARE INSTALLED, THE SUB-BASE SHALL BE PROOF-ROLLED TO THE SATISFACTION OF THE ENGINEER, HIS AGENT, AND/OR THE SOILS ENGINEER. COMPACTION AND DENSITY TESTS SHALL BE TAKEN AT THE OWNER'S OPTION.
3. ALL CONCRETE TO BE MINIMUM 3500 PSI, SALT TOLERANT, 6 BAG MIX WITH A SPRAY ON SEALER.
4. EXPANSION AND CONTRACTION JOINTS SHALL BE TOOL FINISHED.
5. BINDER COURSE TO BE PLACED WHEN TEMPERATURE IS AT LEAST 40°F AND RISING. SURFACE COURSE TO BE PLACED WHEN TEMPERATURE IS AT LEAST 45°F AND RISING.
6. ALL PROPOSED PAVEMENT, SIDEWALKS, AND CURBS ARE TO BE CONSTRUCTED TO WITHIN A TOLERANCE OF 0.05' OF THE PROPOSED ELEVATIONS EXCEPT IN THE ACCESSIBLE STALLS OR ACCESSIBLE ROUTES.
7. PRIOR TO SEAL COATING, ALL ASPHALT AREAS ARE TO BE CLEAN AND DRY. ALL LOOSE MATERIALS ARE TO BE REMOVED. ALL GREASE TO BE REMOVED. ALL CRACKS ARE TO BE FILLED PER I.D.O.T. STANDARDS. ALL PAINTED STRIPING TO BE MODIFIED SHALL BE "BLACKED OUT" WITH BLACK PAINT (1 COAT IF MINIMUM, 2 COATS IF NECESSARY), ALLOWED TO THOROUGHLY DRY PER PAINT MANUFACTURER, PRIOR TO SEAL COATING. ALL AREAS THAT ARE ADJACENT TO THE SEAL COATED AREA ARE TO BE MASKED (I.E. SIDEWALKS, CONCRETE SURFACES, BRICK SURFACES, GUTTERS, CATCHBASINS/INLETS, ETC.) PRIOR TO SEAL COATING TO BE APPLIED. AIR SURFACES OF THE ASPHALT BEING COATED IS THOROUGHLY COVERED IN ONE COAT. SPRAYING IS NOT ALLOWED. ALL SEAL COATING SHOULD BE APPLIED BY SQUEEGEE OR BRUSHES. THE BITUMINOUS SEAL COATING MATERIAL SHOULD NOT BE ALLOWED TO ENTER STORM SEWERS AND SHOULD BE ALLOWED TO DRY AT LEAST 18 HOURS PRIOR TO VEHICULAR USE. CRACK FILLER AND SEAL COATING MATERIALS ARE TO BE FREE OF COAL TAR.

SANITARY SEWER SPECIFICATIONS

1. ALL SANITARY SEWER PIPE SHALL BE D.I.P., MIN. CLASS 50, CONFORMING TO ANSI A-21.51 WITH ANSI A-21.11 JOINTS; OR P.V.C. PIPE CONFORMING TO ASTM D-3034 SPECIFICATIONS, SDR26 WALL THICKNESS AND ASTM D-3212 AND F 477 GASKET TYPE JOINTS OR ASTM D-2855 SOLVENT WELDED JOINTS.
2. ALL WATERMAIN QUALITY PLASTIC PIPE SHALL BE P.V.C. CONFORMING TO NSF STANDARD 14 AND; ASTM STANDARD D 2241 OR AWWA STANDARD C900 OR C905. JOINTING SHALL BE PRESSURE SLIP JOINTED. ELASTOMERIC SEALS (GASKETS) USED FOR PUSH-ON JOINTS SHALL COMPLY WITH ASTM STANDARD F477, AND SHALL BE PRESSURE RATED IN ACCORDANCE WITH ASTM D3139 OR ASTM D 3212.
3. DEFLECTION OF POLYVINYL CHLORIDE (PVC) PIPE SHALL NOT EXCEED 5.0% OF THE "BASE I.D." (INTERNAL DIAMETER) OF THE PIPE. "BASE I.D." SHALL BE CALCULATED IN ACCORDANCE WITH THE FOLLOWING:

AVG ID = AVG OD - 2(1.06)T

TOLERANCE PACKAGE = (A'2 + B'2 + C'2) (½)

WHERE:

A = OD TOLERANCE (ASTM D-3034)

B = EXCESS WALL THICKNESS TOLERANCE = 0.06T

C = OUT-OF-ROUNDNESS TOLERANCE = 0.015 (AVG OD)

T = MINIMUM WALL THICKNESS (ASTM D-3034)

BASE ID = AVG ID - TOLERANCE PACKAGE

DEFLECTION OF COMPOSITE PIPE ("TRUSS" PIPE) SHALL NOT EXCEED 3.0% OF THE AVERAGE INSIDE DIAMETER (ID) OF THE PIPE IN ACCORDANCE WITH ASTM D-2680. THE PIPE LINE SHALL BE TESTED FOR EXCESS DEFLECTING BY PULLING A "GO - NO GO" MANDREL THROUGH THE PIPE FROM MANHOLE TO MANHOLE. THE MANDREL SHALL BE SIZED IN ACCORDANCE WITH SECTION 31-1.11C (4), AND AS SPECIFIED IN THE SPECIAL
- PROVISIONS. A "DEFLECTOMETER" MAY ALSO BE USED TO CHECK AND RECORD DEFLECTION. WHENEVER POSSIBLE AND PRACTICAL, THE TESTING SHALL INITIATE AT THE DOWNSTREAM LINES AND PROCEED TOWARDS THE UPSTREAM LINES. WHERE THE DEFLECTION IS FOUND TO BE IN EXCESS OF ALLOWABLE TESTING LIMITS, THE CONTRACTOR SHALL EXCAVATE TO THE POINT OF EXCESS DEFLECTION AND CAREFULLY COMPACT AROUND THE POINT WHERE 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.

4. INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER TWENTY-FOUR (24) HOURS PER MILE PER INCH-DIAMETER OF THE SEWER PIPE, FOR ANY SECTION OF THE SYSTEM AND AT ANY TIME DURING ITS SERVICE LIFE. TESTING IS REQUIRED PER THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" CURRENT EDITIONS.

5. LEAKAGE TESTING FOR MANHOLES FOR WATER TIGHTNESS SHALL BE DONE IN ACCORDANCE WITH ASTM C9696-94 "STANDARD PRACTICE FOR INFILTRATION AND EXFILTRATION ACCEPTANCE TESTING OF INSTALLED PRECAST CONCRETE PIPE SEWER LINES", VOL. 04.05, CHEMICAL RESISTANT MATERIALS, VITRIFIED CLAY, CONCRETE, FIBER-CEMENT PRODUCTS; MORTARS; MASONRY (1996)(NO LATER EDITIONS OR AMENDMENTS) OR ASTM C1244-93 "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE PRESSURE (VACUUM) TEST", VOL. 04.05, CHEMICAL RESISTANT MATERIALS, VITRIFIED CLAY, CONCRETE, FIBER-CEMENT PRODUCTS; MORTARS; MASONRY (1996)(NO LATER EDITIONS OR AMENDMENTS) PRIOR TO PLACING INTO SERVICE.

6. ALL STRUCTURE LIDS SHALL BE IMPRINTED "SANITARY".

7. ALL WATERTIGHT FRAMES AND LIDS SHALL BE NEENAH R-1916-C. ALL OTHER FRAMES AND LIDS SHALL BE NEENAH R-1550-A WITH A CONCEALED PICK HOLE.

8. ALL FRAMES AND LIDS SHALL CONFORM TO ASTM A-48.

9. ALL SEWERS ARE TO BE INSTALLED FROM THE DOWNSTREAM END UPSTREAM. IF ANY CONFLICTS ARE ENCOUNTERED, THE DESIGN ENGINEER IS TO BE CONTACTED PRIOR TO THE INSTALLATION OF ANY PIPE.

10. FOR A DROP CONNECTION, THE DIAMETER OF THE DROP PIPE SHALL PREFERABLY BE LARGER THAN , OR OF THE SAME DIAMETER AS, THE ENTERING SEWER. THE MINIMUM DIAMETER OF THE DROP PIPE SHALL NOT BE SMALLER THAN THE DIAMETER OF THE ENTERING SEWER BY MORE THAN TWO NOMINAL DIAMETERS, PROVIDED THAT THE MINIMUM DIAMETER OF THE DROP PIPE SHALL NOT BE LESS THAN EIGHT INCHES (8").

11. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER.

12. ALL SANITARY SEWER BEDDING SHALL BE IN ACCORDANCE WITH THE TRENCH DETAIL AS INCLUDED IN THE PLANS.
- STORM SEWER SPECIFICATIONS
1. ALL REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM C-76 SPECIFICATIONS WITH ASTM C-443 FLAT GASKET JOINTS, OR ASTM C-361 "O-RING" JOINTS WHEN WATER MAIN QUALITY JOINTS ARE REQUIRED.

2. ALL PLASTIC PIPE SHALL BE P.V.C. WITH SDR26 WALL THICKNESS AND CONFORM TO D-3034 SPECIFICATIONS WITH ASTM D-3212 GASKET TYPE JOINTS.

3. ALL WATERMAIN QUALITY PLASTIC PIPE SHALL BE P.V.C. CONFORMING TO NSF STANDARD 14 AND; ASTM STANDARD D2241 OR AWWA STANDARD C900 OR C905. JOINTING SHALL BE PRESSURE SLIP JOINTED. ELASTOMERIC SEALS (GASKETS) USED FOR PUSH-ON JOINTS SHALL COMPLY WITH ASTM STANDARD F477, AND SHALL BE PRESSURE RATED IN ACCORDANCE WITH ASTM D3139 OR ASTM D3212.

4. ALL STRUCTURE LIDS SHALL BE IMPRINTED "STORM".

5. ALL FRAMES AND LIDS SHALL CONFORM TO ASTM A-48.

6. ALL SEWERS ARE TO BE INSTALLED FROM THE DOWNSTREAM END UPSTREAM. IF ANY CONFLICTS OR INFORMATION INCONSISTENT WITH SITE CONDITIONS ARE ENCOUNTERED, THE DESIGN ENGINEER IS TO BE CONTACTED PRIOR TO THE INSTALLATION OF ANYTHING.

7. IN PAVED AREAS, ALL FRAMES AND LIDS SHALL BE: NEENAH R-2050 OR R-2502 WITH TYPE D GRATE AT LOW POINTS; OR NEENAH R-3281-A IN CURB AND GUTTER; OR NEENAH R-1550-A WITH SOLID LID, UNLESS OTHERWISE SPECIFIED.

8. IN NON-PAVED AREAS, ALL FRAMES AND LIDS SHALL BE: NEENAH R-2090 OR R-2060 WITH TYPE B GRATE AT LOW POINTS; OR NEENAH R-1550-A WITH SOLID LID, UNLESS OTHERWISE SPECIFIED.

9. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER.

10. ALL FLARED END SECTIONS (FES) ARE TO BE INSTALLED WITH TRASH GRATES.
- WATER MAIN SPECIFICATIONS
1. HORIZONTAL SEPARATION

1.1. WATER MAINS AND SEWERS: WATER MAINS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING PR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION.

1.2. WATER MAINS MAY BE LAID CLOSER THAT TEN FEET TO A SEWER LINE OF SEWER SERVICE CONNECTION WHEN:

1.2.1. LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET;

1.2.2. THE WATER MAIN INVERT IS AT LEAST EIGHTEEN INCHES (18") ABOVE THE CROWN OF THE SEWER; AND

1.2.3. THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

1.3. BOTH THE WATER MAIN AND SEWER PIPE SHALL BE CONSTRUCTED OF PUSH JOINT OR MECHANICAL JOINT DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC SDR18 PIPE WITH AWWA C-900 JOINTS, MEETING THE REQUIREMENTS OF SECTION 653.111 OF THE IEPA'S TITLE 35 SUBTITLE F, WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE, THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

2. VERTICAL SEPARATION

2.1. A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS EIGHTEEN INCHES (18") ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWER, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

2.2. BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF PUSH JOINT OR MECHANICAL JOINT DUCTILE PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 635.111 OF THE IEPA'S TITLE F, SUBTITLE F, AND CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER DRAIN LINE IS AT LEAST TEN FEET (10') WHEN:

2.2.1. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A) ABOVE; OR

2.2.2. THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.

2.3. A VERTICAL SEPARATION OF EIGHTEEN INCHES (18") BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN.

3. WATER MAINS AND SERVICES SHALL BE CONSTRUCTED SO THAT THE MINIMUM DEPTH IS FIVE AND ONE HALF FEET (5 ½') MEASURED FROM FINISHED GRADE TO THE TOP OF THE PIPE, UNLESS OTHERWISE SPECIFIED AND/OR APPROVED BY THE REVIEW ENGINEER.

4. ALL WATER MAIN FITTINGS MAY OR MAY NOT BE SHOWN ON THE PLANS AND SHOULD BE INCLUDED IN THE COST OF THE WATER MAIN ITSELF FOR BIDDING PURPOSES. ALL WATER MAIN SHALL BE DUCTILE IRON CLASS 52 CEMENT LINED CONFORMING TO ANSI A-21.51 WITH ANSI A-21.11 JOINTS, OR TYPE "K" COPPER PIPE WITH SWEATED JOINTS.

5. FIRE HYDRANTS SHALL MEET AWWA C-502 AND BE TRAVERSE CITY IRON WORKS, EAST JORDAN 5 BR, OR APPROVED EQUAL, WITH FIVE AND ONE QUARTER INCH (5 ¼") VALVE OPENING, TWO TWO AND ONE HALF INCH (2 ½") HOSE NOZZLES AND ONE FIVE INCH (5") PUMPER NOZZLE. FIRE HYDRANT SHALL BE EQUIPPED WITH AN AUXILIARY ROADWAY SEAL GATE VALVE COMPLETE WITH ROADWAY BOX, TYLER, 6850 SERIES, ITEM 686-S. FIRE HYDRANTS MUST HAVE THEIR DISCHARGE AT LEAST 18 INCHES BUT NOT MORE THAN TWENTY-FOUR INCHES (24") FROM THE SURFACE OF THE ADJACENT GROUND.

6. HYDRANTS SHALL BE INSTALLED NO CLOSER THAN THREE FEET (3') NOR FURTHER THAN EIGHT FEET (8') FROM THE BACK OF CURB OR EDGE OF PAVEMENT TO THE FIVE INCH (5") STEAMER NUT, NO BARRIERS, TREES, SHRUBS, WALLS OR OTHER OBSTACLES WHICH MAY HIDE OR IMPEDE THE USE OF A FIRE HYDRANT SHALL BE INSTALLED, MAINTAINED, CONSTRUCTED, OR ENLARGED, WITHIN FORTY-EIGHT INCHES (48") OF A HYDRANT.

7. ALL STRUCTURE LIDS SHALL BE IMPRINTED "WATER".

8. ALL WATERTIGHT FRAMES AND LIDS SHALL BE NEENAH R-1916-C. ALL OTHER FRAMES AND LIDS SHALL BE NEENAH R-1550-A WITH A CONCEALED PICK HOLE.

9. ALL FRAMES AND LIDS SHALL CONFORM TO ASTM A-48.

10. BEFORE BEING PLACED INTO SERVICE, ALL NEW MAINS AND REPAIRED PORTIONS OF, OR EXTENSIONS TO EXISTING MAINS SHALL BE CHLORINATED SO THAT THE INITIAL CHLORINE RESIDUAL IS NOT LESS THAN FIFTY (50) MG/L AND THAT A CHLORINE RESIDUAL OF NOT LESS THAN TWENTY-FIVE (25) MG/L REMAINS IN THE WATER AFTER STANDING TWENTY-FOUR (24) HOURS IN THE PIPE.
- "AMERICANS WITH DISABILITIES ACT" (ADA) MINIMAL REQUIREMENTS:
1. GENERAL CONTRACTOR TO BECOME FAMILIAR WITH AND APPLY THE ADA MINIMAL REQUIREMENTS AND REPORT TO ARCHITECT/ENGINEER ANY DISCREPANCIES BEFORE CONSTRUCTION.

2. ACCESSIBLE ROUTES ON AN ACCESSIBLE SITE AND FOR ANY NEW SITE IMPROVEMENTS SHALL BE PROVIDED TO SERVE ALL ACCESSIBLE SPACES OR ELEMENTS.

3. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE PER CODE IS 36".

4. EACH ACCESSIBLE PARKING SPACE IS TO BE:

4.1. CAR

A MINIMUM OF 192" SIDE, CONSISTING OF A 96" WIDE ACCESS AISLE AND A 96" WIDE PARKING SPACE, UNLESS OTHERWISE NOTED. (SEE DETAIL). THE ACCESS AISLE SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE. SEE DETAIL FOR REQUIRED DEPTH.

4.2. VAN

A MINIMUM OF 192" WIDE, CONSISTING OF A 96" SIDE ACCESS AISLE AND A 96" WIDE PARKING SPACE, UNLESS OTHERWISE NOTED (SEE DETAIL). WHEN CAN ACCESSIBLE PARKING SPACES ARE ANGLED, THE ACCESS AISLE SHALL BE LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACE. SEE DETAIL FOR REQUIRED DEPTH.

5. ACCESSIBLE PARKING SPACES ARE TO BE LOCATED AS CLOSE TO THE ACCESSIBLE BUILDING ENTRANCE AS POSSIBLE AND SHALL BE IDENTIFIED WITH A SIGN.

6. RAMPS MUST NOT EXTEND OUT FROM THE CURB INTO THE ACCESS AISLE OF ANY ACCESSIBLE PARKING SPACE.

7. TWO 90 DEGREE ACCESSIBLE PARKING SPACES MAY SHARE AN ACCESS AISLE.

8. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM. (SEE DETAIL).

9. ALL ADA PARKING STALLS, ACCESS AISLES AND CROSSWALKS SHALL BE STRIPED USING 4" WIDE DOUBLE LAYER OF HIGH QUALITY YELLOW PAINT, UNLESS OTHERWISE NOTED.

10. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1:50 (2.00%) IN ANY DIRECTION.

11. EACH ACCESSIBLE PARKING SPACE SHALL HAVE AN IDENTIFICATION SIGN (SEE DETAIL).

12. A 24" ELECTRONIC LEVEL WILL BE USED BY MANY INSPECTORS IN THE POST CONSTRUCTION CONDITION TO MEASURE ADA SLOPES. A 24" LEVEL HAS A NARROWER TOLERANCE THAN LONGER ELECTRONIC LEVELS AND REPRESENTS THE WHEEL BASE OF A TYPICAL WHEELCHAIR, AS SUCH, A PROPERLY CALIBRATED, 24" ELECTRONIC LEVEL IS RECOMMENDED FOR SETTING AND MEASURING SLOPES IN ALL ADA ACCESSIBLE AREAS THROUGHOUT THE CONSTRUCTION PROCESS.
- RAMPS
13. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 (5.00%) IS A RAMP AND SHALL COMPLY WITH THE RAMP REQUIREMENTS.

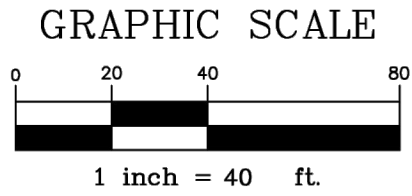
14. AN ACCESSIBLE ROUTE MAY CROSS OPEN PAVEMENT OR FOLLOW A RAMP AS REQUIRED BY SITE-SPECIFIC CONDITIONS. THE RUNNING SLOPE
- OF AN ACCESSIBLE ROUTE ACROSS OPEN PAVEMENT MUST NOT EXCEED 1:20 (5.00%), WITH A CROSS SLOPE NOT EXCEEDING 1:50 (2.00%). SLOPES EXCEEDING 1:20 (5.00%), NUT LESS THAN 1:12 (.33%), CONSTITUTE RAMPS AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, LANDINGS, RISE AND RUN LIMITS, ETC.) AS DETAILED ON THE CIVIL AND ARCHITECTURAL PLANS. NO RAMP SHALL HAVE A RUNNING SLOPE EXCEEDING 1:12 (8.33%), NOR HAVE A CROSS SLOPE EXCEEDING 1:50 (2.00%).

15. THE GENERAL CONTRACTOR/CONTRACTOR SHALL MEASURE THE SUBGRADE AND ACROSS FORMS PRIOR TO INSTALLATION OF ASPHALT OR CONCRETE IMPROVEMENTS TO ASSURE THE FINAL IMPROVEMENTS WILL MEET THESE MINIMAL ADA REQUIREMENTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE CIVIL ENGINEER PRIOR TO INSTALLATION OF THE IMPROVEMENTS.
- CURB RAMPS
16. A CURB RAMP SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.

17. CURB RAMPS HAVE A MAXIMUM SLOPE OF 1:12 (8.33%) AND DO NOT REQUIRE HANDRAILS.

18. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS, OR GUARDRAILS, IT SHALL HAVE FLARED SIDES, THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:12 (8.33%).
-
- ATWELL**
866.850.4200
www.atwell.com
1950 PARKWAY PLACE, SUITE 650
MARIETTA, GA
770.423.0807
COT # 15133876
- PROJECT ADDRESS
- 13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY
- 24 HOUR EMERGENCY CONTACT
- NAME
PHONE
- McDonald's
110 N. Carpenter St.
Chicago, IL 60607
- McDONALD'S - POPLAR GROVE, IL**
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS
-
- REV
- DATE
- 10/08/2023
- FOR SPECIAL USE PERMIT APPLICATION
- PLAN REVISIONS & RECORDS
- PROJECT NO. 25006700
- SHEET NO. C001
- PROJECT SPECIFICATIONS

ALTA/NSPS LAND TITLE AND TOPOGRAPHIC SURVEY



GENERAL NOTES

- THIS SURVEY IS BASED ON THE LEGAL DESCRIPTION PREPARED BY THE SURVEYOR AND EASEMENTS OF RECORD AS IDENTIFIED IN TITLE COMMITMENT NUMBER 5253-251621NCS ISSUED BY CHICAGO TITLE INSURANCE COMPANY HAVING AN EFFECTIVE DATE OF MAY 16, 2025.
- THIS SITE FALLS WITHIN "OTHER AREAS: ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS DEFINED BY THE FLOOD INSURANCE RATE MAP, MAP NUMBER 17007C0105C, HAVING AN EFFECTIVE DATE OF FEBRUARY 18, 2011.
- THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR TOPOGRAPHIC SURVEYS, AND IS BASED ON FIELD WORK PERFORMED ON 06/03/2025.
- IN ADDITION TO THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, THIS SURVEY WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS PROVIDED BY MCDONALD'S AS NOTED ON THE CHECKLIST PROVIDED TO THE CLIENT.
- THE SURVEYOR CONTACTED J.U.L.I.E. (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS) FOR A DESIGN STAGE REQUEST FOR THIS SITE WHICH WAS ASSIGNED A DID NUMBER OF A251422042. INQUIRIES WERE SENT OUT TO THE VARIOUS UTILITY COMPANIES REQUESTING MAPS AND/OR ATLASES OF THEIR RESPECTIVE FACILITIES. THE INFORMATION RECEIVED TO DATE IS SHOWN HEREON. ADDITIONALLY, PRIOR TO FIELD WORK ON THIS SITE, TRI COUNTY LOCATORS PROVIDED UTILITY LOCATING SERVICES ON SITE AND THE INFORMATION OBTAINED BY THE SURVEYOR FROM THESE MARKS ARE SHOWN HEREON.
- THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM OBSERVED FIELD EVIDENCE AND EXISTING DRAWINGS, MAPS AND RECORDS SUPPLIED TO SURVEYOR AND MARKINGS PROVIDED BY A THIRD-PARTY. DUE TO THE UNCERTAINTY AND LIMITATIONS INHERENT TO LOCATING UNDERGROUND UTILITY FACILITIES FOR NON-CONSTRUCTION PURPOSES INCLUDING THOSE THAT ARE PLASTIC, NON-CONDUCTIVE, OR OTHERWISE UNABLE TO BE LOCATED, THERE MAY BE BURIED UTILITIES WITHIN THE SURVEY AREA THAT ARE NOT DETECTED. THE SURVEY SHOWS OBSERVED INDICATIONS OF UTILITIES BASED ON THIRD-PARTY UTILITY MARKS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM AVAILABLE INFORMATION. THE SURVEYOR HAS PHYSICALLY LOCATED OBSERVED STRUCTURES AND MARKINGS; HOWEVER, HE HAS NOT PHYSICALLY LOCATED THE UNDERGROUND LINES.
- THE AS SURVEYED SITE CLOSURES WITHOUT GAPS, GORES OR OVERLAPS.
- ADJOINING OWNER INFORMATION SHOWN HEREON IS FROM AVAILABLE TAX RECORDS.
- NO OBSERVED EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
- NO PROPOSED CHANGES IN STREET RIGHT OF WAY LINES BASED ON INFORMATION RECEIVED FROM THE CONTROLLING JURISDICTION AT THE TIME OF THE SURVEY. NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
- NO OBSERVED EVIDENCE OF SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.
- NO OBSERVED EVIDENCE OF WETLAND DELINEATION MARKINGS AT THE TIME OF THE SURVEY.

LEGEND

● FOUND 7/8" O.D.I.P. UNLESS OTHERWISE NOTED (HELD LOCATION)	✱ GAS METER
■ CONCRETE MONUMENT	✱ GAS VALVE
✱ CROSS IN CONCRETE	✱ GAS MARKER
⊕ MANHOLE	⊕ DOWN SPOUT
⊕ STORM STRUCTURE	⊕ BORING HOLE
⊕ SANITARY MANHOLE	⊕ MONITORING WELL
⊕ CLEANOUT	⊕ GATE POST
⊕ FLARED END SECTION	⊕ BOLLARD POLE
⊕ TRANSFORMER PAD	⊕ SIGN
⊕ ELECTRIC MANHOLE	⊕ FLAG POLE
⊕ ELECTRIC BOX	⊕ MAILBOX
⊕ ELECTRIC PEDESTAL	— SAN — SANITARY SEWER
✱ ELECTRIC MARKER	— STM — STORM SEWER
✱ ELECTRIC METER	— W — WATER MAIN
— UTILITY POLE	— P — PETROLEUM LINE
— UTILITY POLE W/LIGHT	— G — GAS MAIN
— UTILITY POLE W/TSF	— E — ELECTRIC LINE
— GUY POLE	— OW — OVERHEAD WIRES
⊕ OVERHEAD TRAFFIC SIGNAL	— T — COMMUNICATION LINE
⊕ TRAFFIC SIGNAL MANHOLE	— FO — FIBER OPTIC LINE
⊕ LIGHT	⊕ CONIFEROUS TREE W/APPROX. DIAMETER
⊕ LIGHT POLE	⊕ DECIDUOUS TREE W/APPROX. DIAMETER
⊕ HAND HOLE	⊕ TREE LINE
⊕ VALVE VAULT	⊕ ELEVATION
⊕ FIRE HYDRANT	⊕ BITUMINOUS PAVEMENT
⊕ POST INDICATOR VALVE	⊕ CONCRETE SURFACE
⊕ SIAMSE WATER CONNECTION	⊕ DEPRESSED CURB
✱ WATER MARKER	⊕ GRAVEL SURFACE
✱ WATER METER	⊕ LANDSCAPE AREA
⊕ WATER VALVE BOX	⊕ STONE SURFACE
⊕ B/BOX	⊕ DETECTABLE TACTILE WARNING SURFACE
⊕ SPRINKLER CONTROL VALVE	⊕ BRICK PAVERS
⊕ TELEPHONE MANHOLE	⊕ WOOD FENCE
✱ TELEPHONE NETWORK INTERFACE	⊕ CHAIN LINK FENCE
⊕ COMMUNICATION MARKER	⊕ METAL FENCE METAL
⊕ CABLE TELEVISION PEDESTAL	⊕ PVC FENCE
⊕ AIR CONDITION UNIT	⊕ SILT FENCE
⊕ CONTROL BOX	⊕ GUARDRAIL

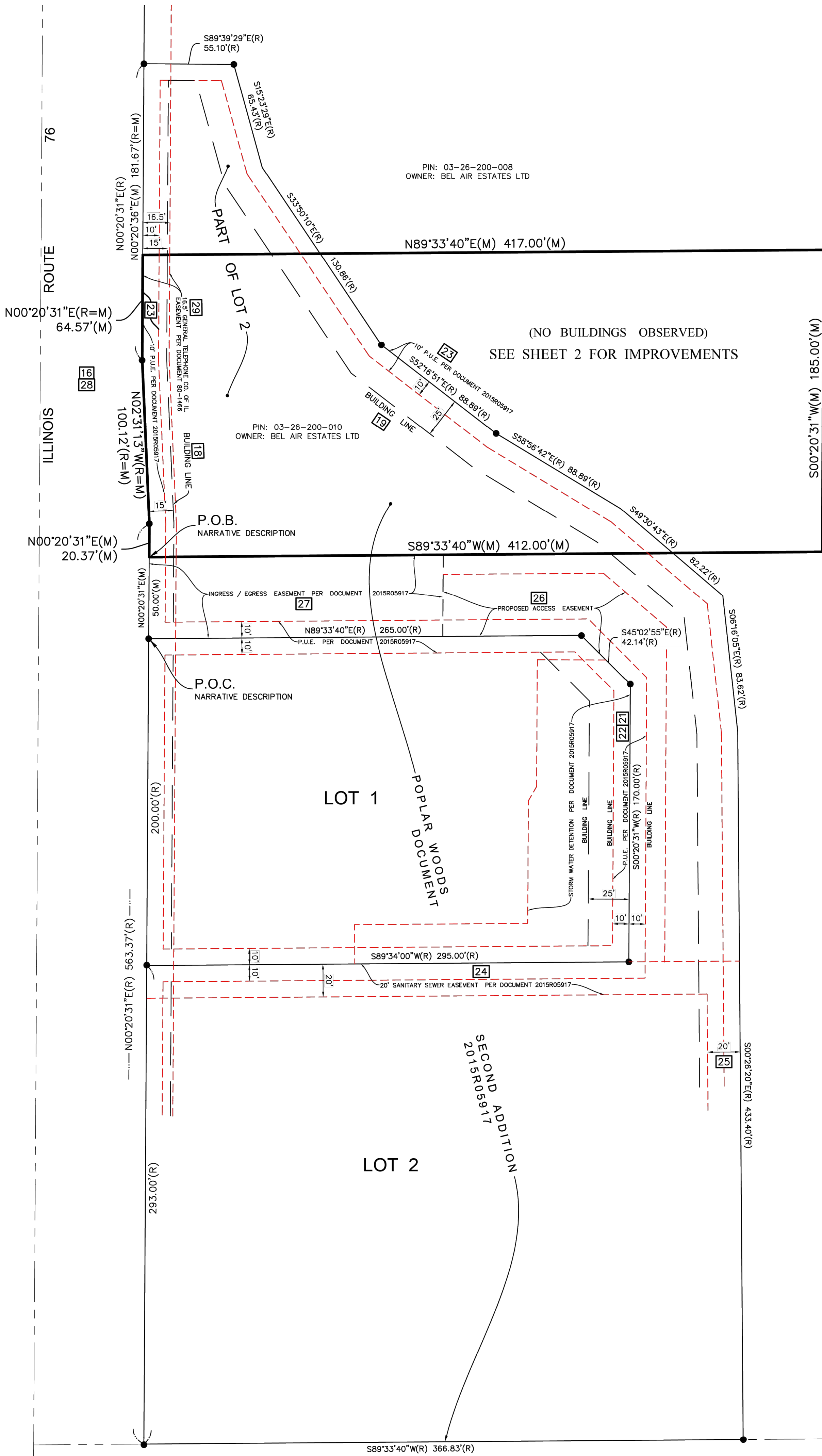
ABBREVIATIONS

O.D.I.P. = OUTSIDE DIAMETER IRON PIPE
TF = TOP OF FOUNDATION
FF = FINISHED FLOOR
FES = FLARED END SECTION
VCP = VITRIFIED CLAY PIPE
DIP = DUCTILE IRON PIPE
PVC = POLYVINYL CHLORIDE
RCP = REINFORCED CONCRETE PIPE
CMP = CORRUGATED METAL PIPE
HDPE = HIGH-DENSITY POLYETHYLENE PIPE
(R) = RECORD BEARING OR DISTANCE
(M) = MEASURED BEARING OR DISTANCE
(C) = CALCULATED BEARING OR DISTANCE
(D) = DEED BEARING OR DISTANCE
N = NORTH
S = SOUTH
E = EAST
W = WEST
A = ARC LENGTH
R = RADIUS
CH = CHORD
CB = CHORD BEARING
B.S.L. = BUILDING SETBACK LINE

U.E. = UTILITY EASEMENT
D.E. = DRAINAGE EASEMENT
P.U.E. = PUBLIC UTILITY EASEMENT
P.O.C. = POINT OF COMMENCEMENT
P.O.B. = POINT OF BEGINNING
P.U. & D.E. = PUBLIC UTILITY AND DRAINAGE EASEMENT
BC = BACK OF CURB
BDC = BACK OF DEPRESSED
FL = FLOW LINE
C = CONCRETE
P = PAVEMENT
EW = EDGE OF WALK
TW = TOP OF WALL
TP = TOP OF PIPE
TIE = INVERT ELEVATION
PL = PROPERTY LINE
DS = DOWN SPOUT
S.F. = SQUARE FEET
SL = SHORE LINE
TSF = TRANSFORMER
B = PAVERS
MS = MULTI-STEM TREE

LINE LEGEND

— LIMITS OF LAND PER LEGAL DESCRIPTION
— ADJACENT LAND PARCEL LINE
— EASEMENT LINE
— CENTERLINE
— BUILDING SETBACK LINE
— SECTION LINE
- - - EXISTING CONTOUR
- - - FLOOD ZONE DIVISION LINE



PROJECT

McDonald's (12-2773)
IL 76
Poplar Grove, IL

CLIENT

McDonald's Corporation
110 N. Carpenter Street
Chicago IL 60607-2101

DATE: 6/9/25

PC EH

DRAWN BY MRA

CHECKED BY SK

BOOK 681 PG 20-21

NO.

1

REVISIONS

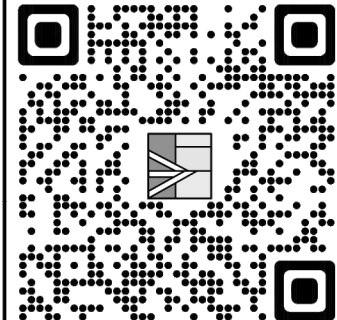
ADDITIONAL UTILITY INFO

DATE

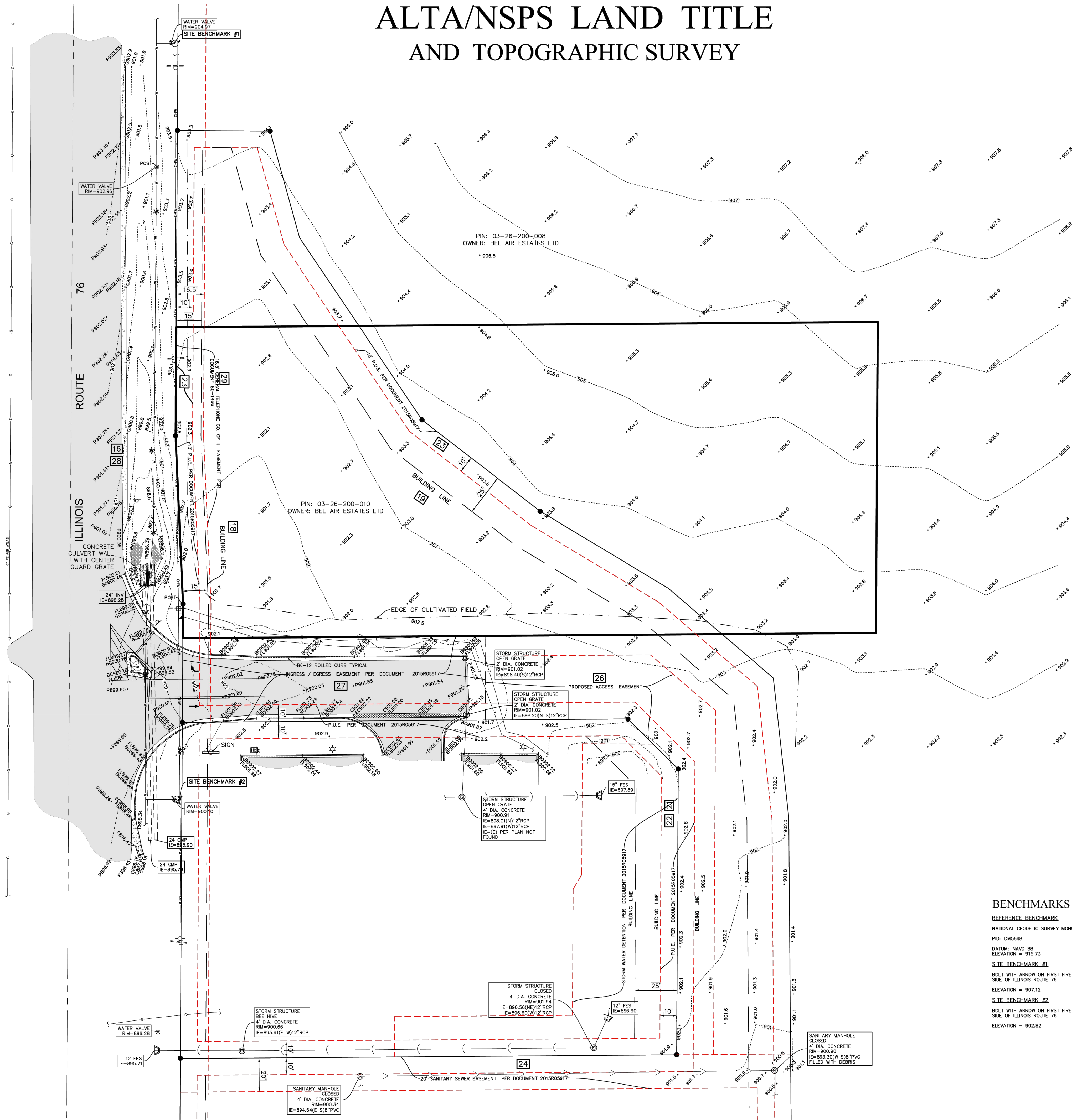
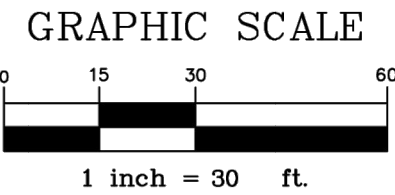
BY

6/20/25

MRA

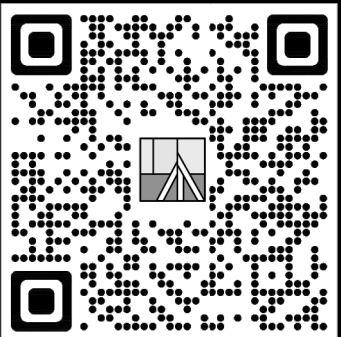


ALTA/NSPS LAND TITLE
AND TOPOGRAPHIC SURVEY



BENCHMARKS

REFERENCE BENCHMARK
NATIONAL GEODETIC SURVEY MONUMENT MB014
PID: DM5648
DATUM: NAVD 88
ELEVATION = 915.73
SITE BENCHMARK #1
BOLT WITH ARROW ON FIRST FIRE HYDRANT NORTH OF SITE ENTRANCE ON EAST SIDE OF ILLINOIS ROUTE 76
ELEVATION = 907.12
SITE BENCHMARK #2
BOLT WITH ARROW ON FIRST FIRE HYDRANT SOUTH OF SITE ENTRANCE ON EAST SIDE OF ILLINOIS ROUTE 76
ELEVATION = 902.82



NO.	DATE	BY
1	6/20/25	MRA

DATE	6/9/25	PC	EH	DRAWN BY	MRA	CHECKED BY	SK	BOOK	681	PG	20-21
REVISIONS											
ADDITIONAL UTILITY INFO											

CLIENT

McDonald's Corporation
110 N. Carpenter Street
Chicago IL 60607-2101

PROJECT

McDonald's (12-2773)
IL 76
Poplar Grove, IL



ALTA SURVEYS • TOPOGRAPHY • CONSTRUCTION STAKING
AURORA, IL 60002
PHONE: (630) 820-9100 FAX: (630) 820-7030 EMAIL: ADMIN@CL.SURVEYING.COM

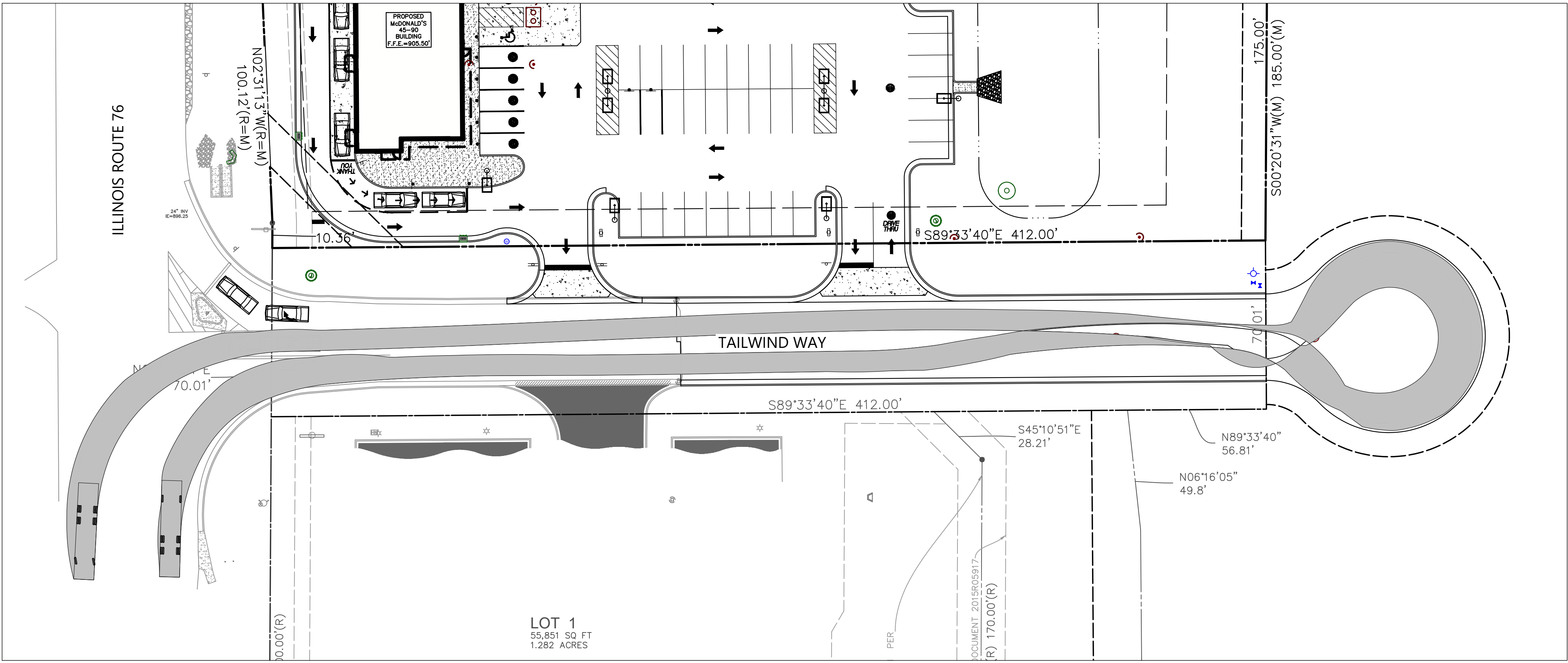
SCALE: 1" = 40'

3 OF 3

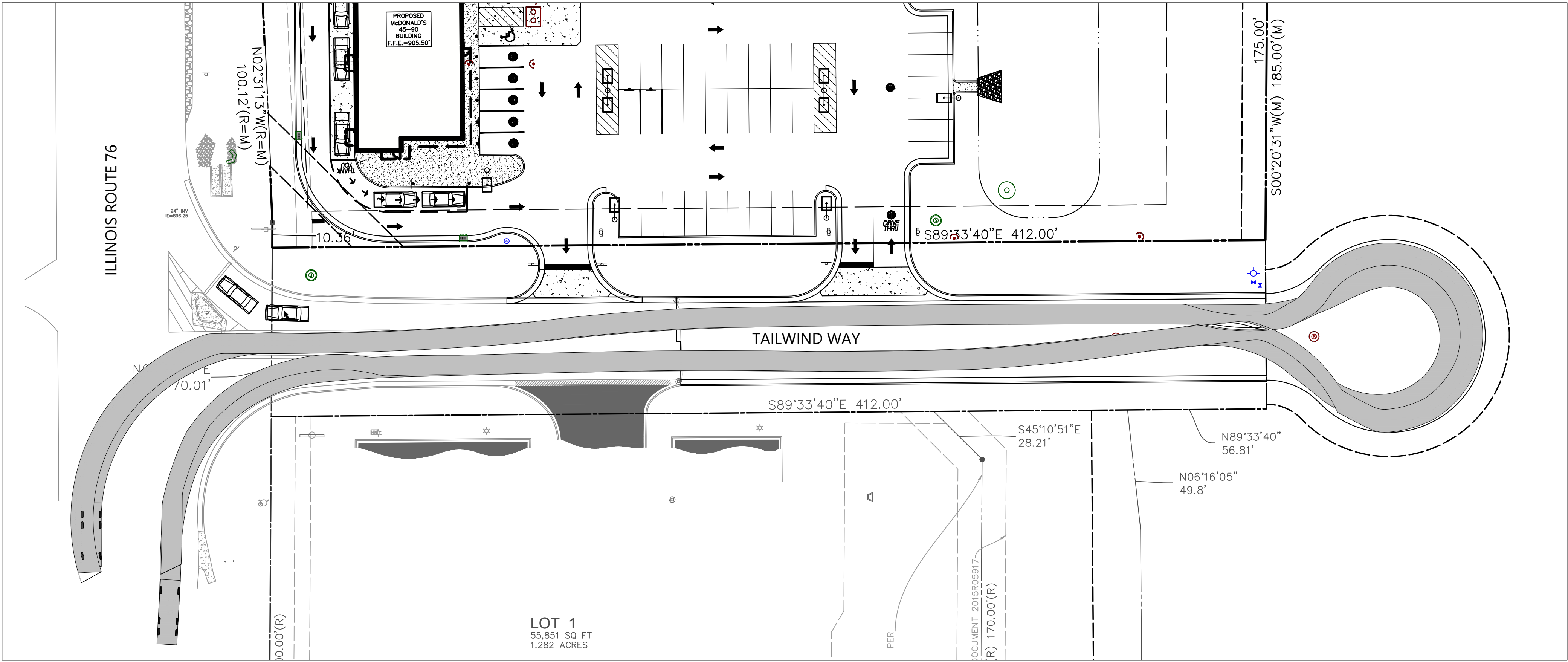
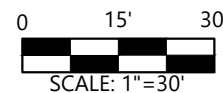
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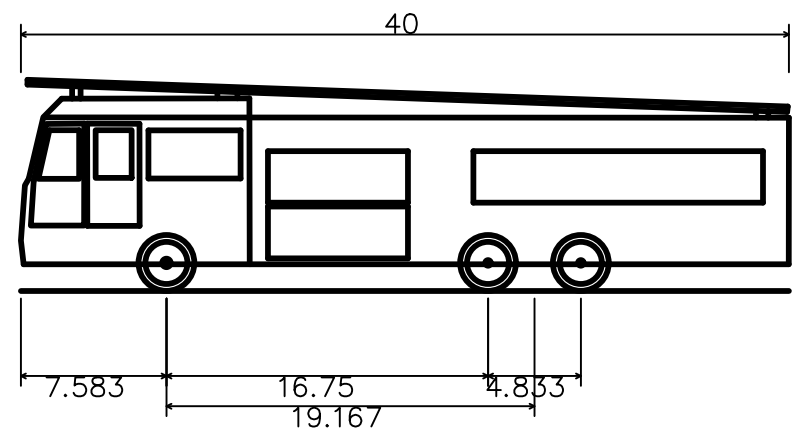
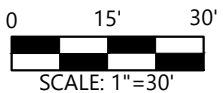
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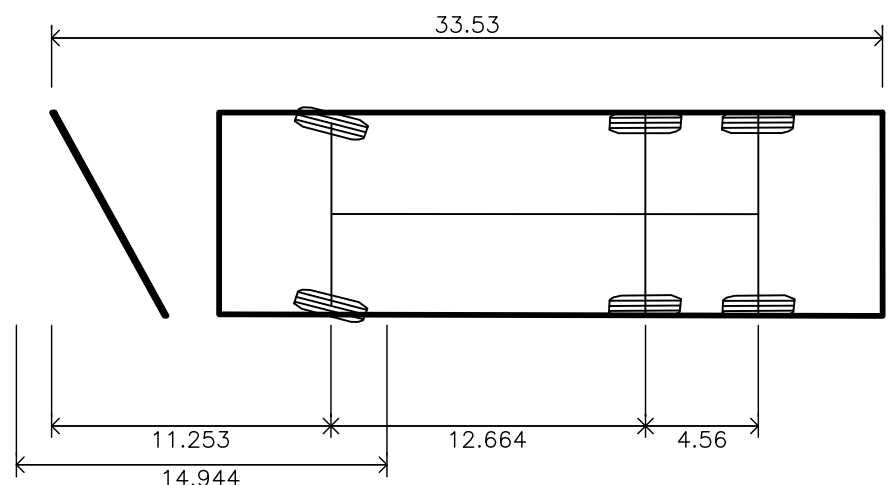
FIRE TRUCK TURN SITE PLAN



SNOW PLOW TURN SITE PLAN



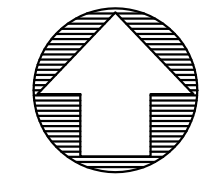
E-ONE HP100 Aerial
Overall Length 40.000ft
Overall Width 8.333ft
Overall Body Height 11.000ft
Min Body Ground Clearance 1.393ft
Track Width 8.333ft
Lock-to-lock time 6.00s
Max Wheel Angle 45.00°



Snow Plough
Overall Length 33.530ft
Overall Width 11.253ft
Overall Body Height 12.664ft
Min Body Ground Clearance 4.56ft
Track Width 14.944ft
Lock-to-lock time 4.00s
Curb to Curb Turning Radius 26.247ft

SITE LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- PROPOSED RIGHT-OF-WAY
- PROPOSED SETBACK LINE
- 18" CURB AND GUTTER
- STOP BAR (PAVEMENT MARKING)
- TRAFFIC FLOW ARROW (PAVEMENT MARKING)
- DIRECTIONAL ARROWS (PAVEMENT MARKING)
- HANDICAP STALL
- PARKING SPACE COUNT
- SIGN
- CONCRETE
- SIDEWALK
- STANDARD DUTY PAVING
- HEAVY DUTY PAVING
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN OUT
- B-BOX
- GATE VALVE
- FIRE HYDRANT
- GREASE TRAP
- ELECTRICAL TRANSFORMER
- HOODED GRATE INLET
- STORM MANHOLE
- HEADWALL



0 15' 30'
SCALE: 1"=30'

ATWELL
866.850.4200
1850 PARKWAY PLACE, SUITE 650
MARIETTA, GA 30067
www.atwell.com
COTR: 151033876

PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY

24 HOUR EMERGENCY CONTACT
NAME: _____
PHONE: _____

McDonald's
110 N. Carpenter St.
Chicago, IL 60607
McDonald's - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS



PLAN REVISIONS & RECORDS

REV	DATE	DESCRIPTION

PROJECT NO. 25006700
SHEET NO. C210

TRUCK TURN SITE PLAN

FILE NAME: \\garhi\projects\25006700 MCD - 122773 - Poplar Grove IL\DWG\Engineering\04 PRODUCTION\CD00 GRADE PLAN.dwg LAST SAVED BY: Jarroen 10/7/2023 2:25 PM PLOT BY: Logan Brown 10/8/2023 PAPER ARCH-FULL BLEED C (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 300DPI PC3 PLOT STYLE: ATWELL.CTB

ILLINOIS ROUTE 76

N00°20'31"E
70.01'

HW #2

24" INV
IE=896.25

24" CMP
IE=895.90

16.5' GENERAL TELEPHONE CO.
OF IL EASEMENT PER
DOCUMENT 80-1466

10' P.U.E. PER
DOCUMENT 2015R05917

S89°39'29"E(R)
55.10'(R)

S15°23'19"E(R)
65.43'(R)

S33°30'10"E
63.57'

N00°20'31"E
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16.5'

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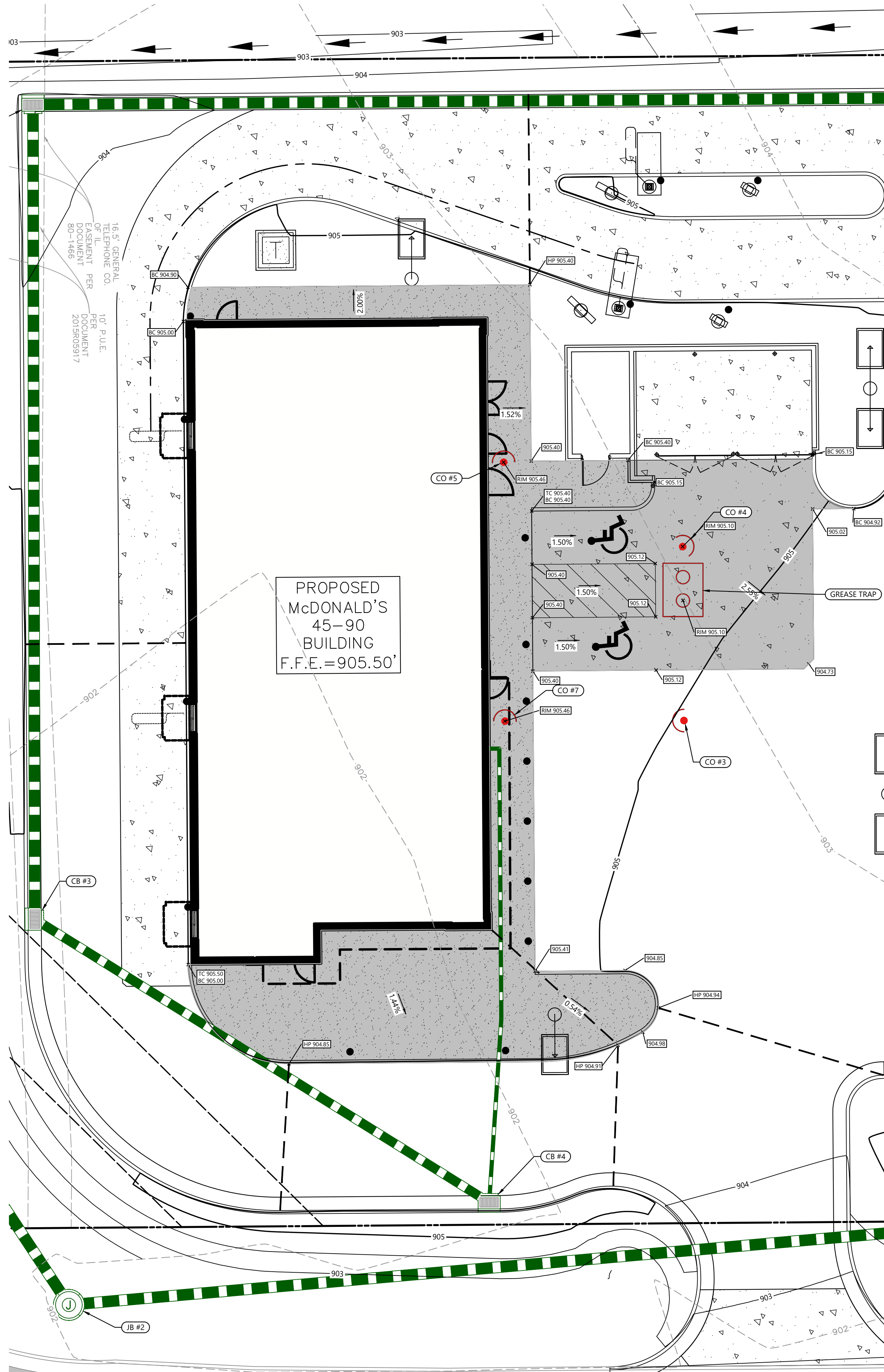
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FILE NAME: I:\gah\3\projects\25006700 MCD - 122773 - Poplar Grove\LDWG\Engineering\04 PRODUCTION\200 GRADE PLAN.dwg LAST SAVED BY: Jbrown 10/7/2025 2:25 PM PLOTTED BY: Logan Brown 10/8/2025 PAPER: ARCH-FULL BLEED C (24.00 X 36.00 INCHES) DEVICE: _DWG TO PDF 300DPI PC3 PLOT STYLE: ATWELL.CTB



GRADING PLAN NOTES

- UNLESS OTHERWISE SPECIFIED, TOP OF CURB (TC) ELEVATIONS ARE 0.5' HIGHER THAN THE ADJACENT BOTTOM OF CURB (BC) OR HIGH POINT (HP) ELEVATIONS.
- PAVING, SIDEWALK, AND CURBING IS NOT TO BE INSTALLED IN SUCH A WAY THAT IT WILL BLOCK THE FLOW OF WATER AWAY FROM THE BUILDING INCLUDING BUT NOT LIMITED TO WEEP HOLES, WICKS, DRAINAGE SCUPPERS, AND LANDSCAPING.

REFERENCE BENCHMARK

NATIONAL GEODETIC SURVEY MONUMENT MB014
PID: DM5648
DATUM: NAVD 88 ELEVATION = 915.73

SITE BENCHMARK

SITE BENCHMARK #1:
BOLT WITH ARROW ON FIRST FIRE HYDRANT
NORTH OF SITE ENTRANCE ON EAST SIDE OF
ILLINOIS ROUTE 76 ELEVATION = 907.12

SITE BENCHMARK #2:
BOLT WITH ARROW ON FIRST FIRE HYDRANT
SOUTH OF SITE ENTRANCE ON EAST SIDE OF
ILLINOIS ROUTE 76 ELEVATION = 902.82

GENERAL NOTES

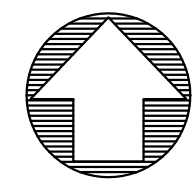
- THESE PLANS ARE BASED ON THE ALTA/NSPS LAND TITLE AND TOPOGRAPHIC SURVEY (SURVEY PROJECT #25.0140 DATED 6/9/2025)
PREPARED BY: COMPASS SURVEYING, LTD
2631 GINGER WOODS PARKWAY, SUITE 100
AURORA, IL 60502
PHONE: 630.820.9100
- PRIOR TO CONSTRUCTION, CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND ARCHITECT TO VERIFY THAT THEY ARE WORKING FROM THE MOST CURRENT SET OF PLANS AND SPECIFICATIONS.

GRADING LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED SETBACK LINE
- 100 YEAR FLOOD PLAIN
- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED BREAK LINE
- EXISTING STORM LINE
- PROPOSED STORM LINE
- PROPOSED SPOT ELEV
- SLOPE ARROW
- STORM MANHOLE
- HEADWALL
- HOODED GRATE INLET
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN OUT

= ADA ACCESSIBLE ROUTE

ACCESSIBLE ROUTE
GRADES AND DETAILS



0 10' 20'
SCALE 1"=10'

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www.atwell.com
1850 PARKWAY PLACE, SUITE 650
MARIETTA, GA 30067
770.423.0800
CITY 770.423.0876

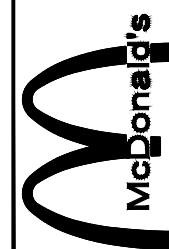
PROJECT ADDRESS

13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY

24 HOUR EMERGENCY CONTACT

NAME
PHONE

McDonald's
110 N. Carpenter St.
Chicago, IL 60607
McDONALD'S - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS

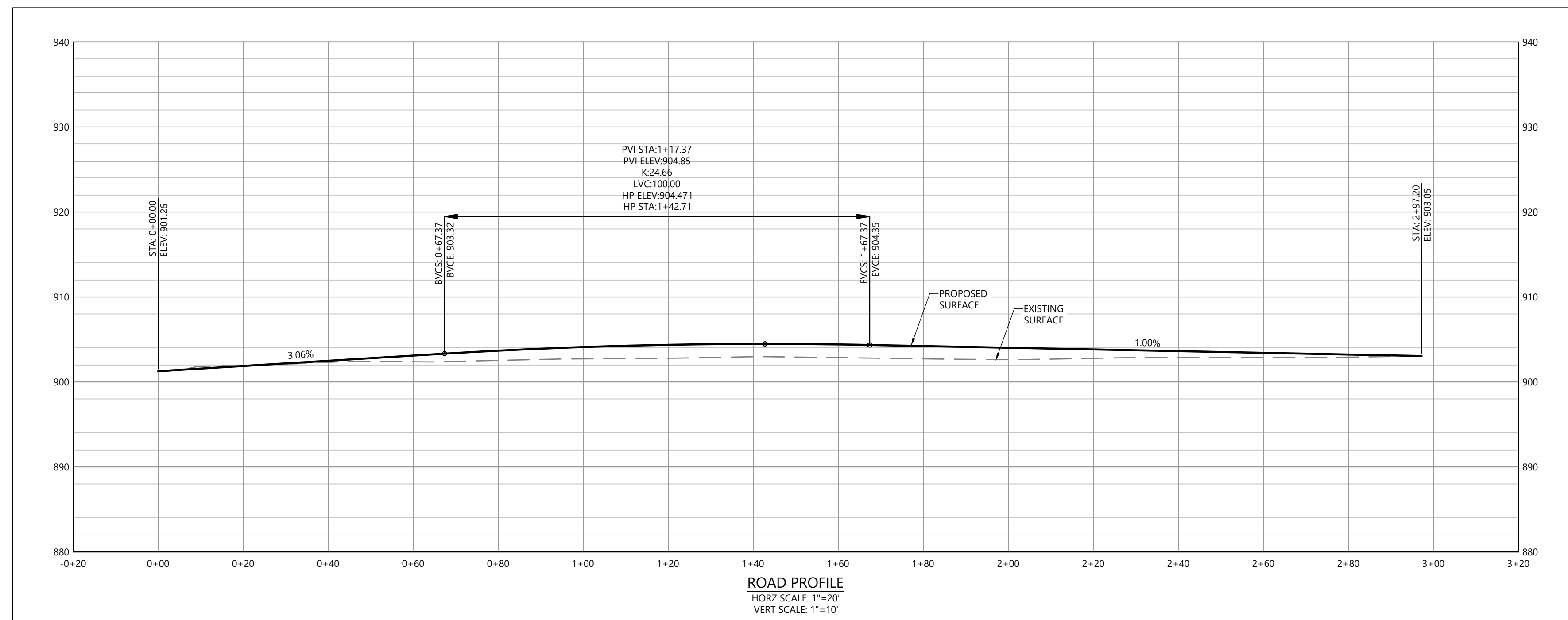


PLAN REVISIONS & RECORDS

REV	DATE	DESCRIPTION

PROJECT NO. 25006700

SHEET NO. C310



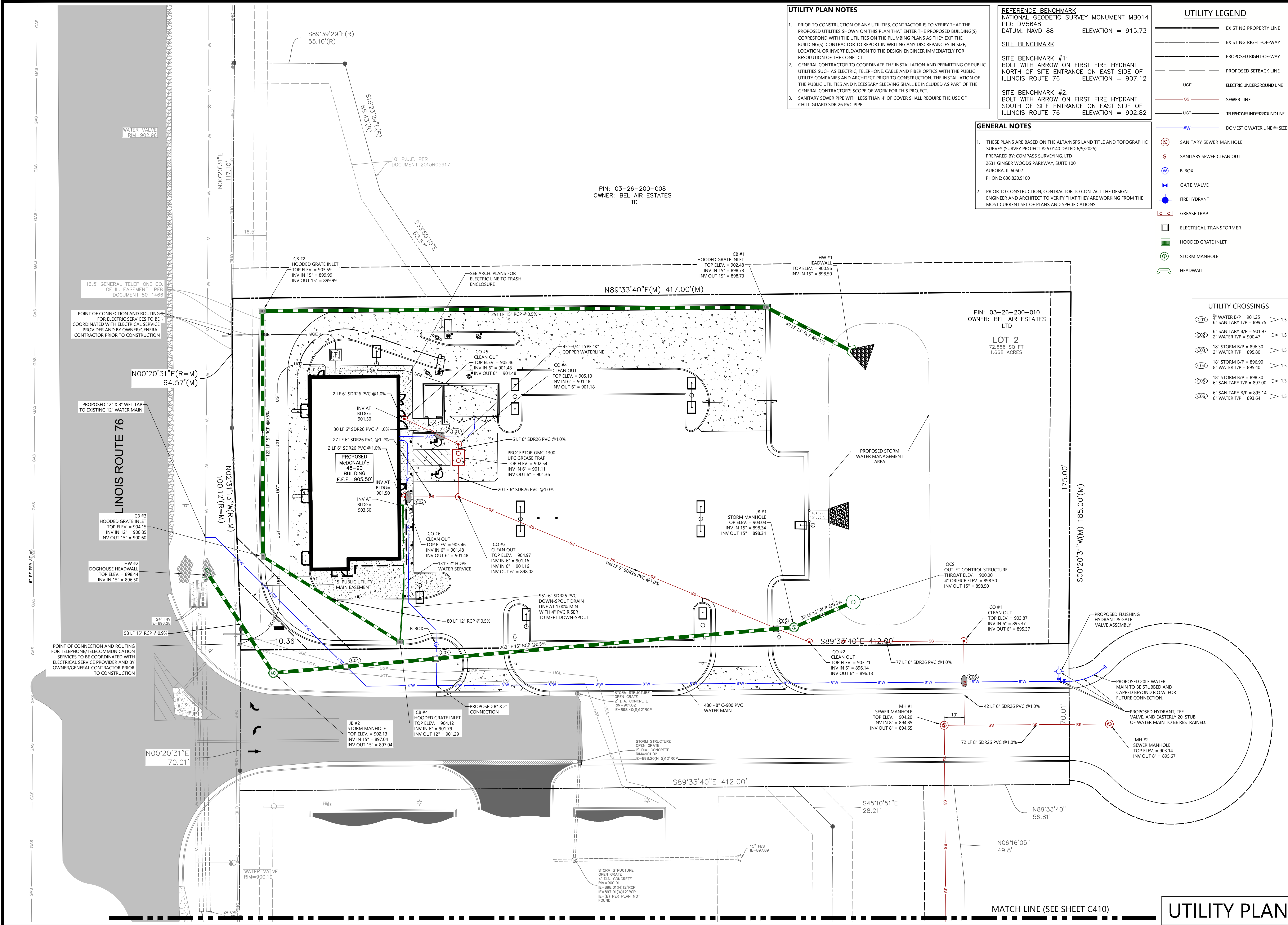
ROAD PLAN AND PROFILE

GRADING LEGEND

	EXISTING PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING SETBACK LINE
	PROPOSED RIGHT-OF-WAY
	PROPOSED SETBACK LINE
	100 YEAR FLOOD PLAIN
	EXISTING MINOR CONTOURS
	EXISTING MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED MAJOR CONTOURS
	PROPOSED BREAK LINE
	EXISTING STORM LINE
	PROPOSED STORM LINE
	PROPOSED SPOT ELEV
	SLOPE ARROW
	STORM MANHOLE
	HEADWALL
	HOODED GRATE INLET
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEAN OUT

 	 ATWELL 866.850.4200 www.atwell.com 1850 PARKWAY PLACE, SUITE 650 WILMINGTON, MA 01890 COA# 184-005876		
	PROJECT ADDRESS 13675 ILLINOIS ROUTE 76 VILLAGE OF POPLAR GROVE BOONE COUNTY		
24 HOUR EMERGENCY CONTACT NAME _____ PHONE _____			
 McDonald's 110 N. Carpenter St. Chicago, IL 60607 McDONALD'S - POPLAR GROVE, IL 13675 ILLINOIS ROUTE 76 POPLAR GROVE, ILLINOIS			
PLAN REVISIONS & RECORDS FOR SPECIAL USE PERMIT APPLICATION	REV	DATE	
PROJECT NO.		25006700	
SHEET NO.		C320	

FILE NAME: \\gah3\projects\25006700 MCD - 122773 - Poplar Grove IL\DWG\Engineering\04 PRODUCTION\CD00 UTILITY PLAN.dwg LAST SAVED BY: jbrown 10/7/2025 1:30 PM PLOTTED BY: Logan Brown 10/8/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 300DPI PC3 PLOT STYLE: ATWELL.CTB



UTILITY PLAN NOTES

- PRIOR TO CONSTRUCTION OF ANY UTILITIES, CONTRACTOR IS TO VERIFY THAT THE PROPOSED UTILITIES SHOWN ON THIS PLAN THAT ENTER THE PROPOSED BUILDING(S) CORRESPOND WITH THE UTILITIES ON THE PLUMBING PLANS AS THEY EXIT THE BUILDING(S). CONTRACTOR TO REPORT IN WRITING ANY DISCREPANCIES IN SIZE, LOCATION, OR INVERT ELEVATION TO THE DESIGN ENGINEER IMMEDIATELY FOR RESOLUTION OF THE CONFLICT.
- GENERAL CONTRACTOR TO COORDINATE THE INSTALLATION AND PERMITTING OF PUBLIC UTILITIES SUCH AS ELECTRIC, TELEPHONE, CABLE AND FIBER OPTICS WITH THE PUBLIC UTILITY COMPANIES AND ARCHITECT PRIOR TO CONSTRUCTION. THE INSTALLATION OF THE PUBLIC UTILITIES AND NECESSARY SLEEVING SHALL BE INCLUDED AS PART OF THE GENERAL CONTRACTOR'S SCOPE OF WORK FOR THIS PROJECT.
- SANITARY SEWER PIPE WITH LESS THAN 4' OF COVER SHALL REQUIRE THE USE OF CHILL-GUARD SDR 26 PVC PIPE.

REFERENCE BENCHMARK

NATIONAL GEODETIC SURVEY MONUMENT MB014
PID: DM5648
DATUM: NAVD 88 ELEVATION = 915.73

SITE BENCHMARK

SITE BENCHMARK #1:
BOLT WITH ARROW ON FIRST FIRE HYDRANT
NORTH OF SITE ENTRANCE ON EAST SIDE OF
ILLINOIS ROUTE 76 ELEVATION = 907.12

SITE BENCHMARK #2:
BOLT WITH ARROW ON FIRST FIRE HYDRANT
SOUTH OF SITE ENTRANCE ON EAST SIDE OF
ILLINOIS ROUTE 76 ELEVATION = 902.82

GENERAL NOTES

- THESE PLANS ARE BASED ON THE ALTA/NSPS LAND TITLE AND TOPOGRAPHIC SURVEY (SURVEY PROJECT #25.0140 DATED 6/9/2025)
PREPARED BY: COMPASS SURVEYING, LTD
2631 GINGER WOODS PARKWAY, SUITE 100
AURORA, IL 60502
PHONE: 630.820.9100
- PRIOR TO CONSTRUCTION, CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND ARCHITECT TO VERIFY THAT THEY ARE WORKING FROM THE MOST CURRENT SET OF PLANS AND SPECIFICATIONS.

UTILITY LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED SETBACK LINE
- UGE ELECTRIC UNDERGROUND LINE
- SS SEWER LINE
- UGT TELEPHONE UNDERGROUND LINE
- #W DOMESTIC WATER LINE #=SIZE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN OUT
- B-BOX
- GATE VALVE
- FIRE HYDRANT
- GREASE TRAP
- ELECTRICAL TRANSFORMER
- HOODED GRATE INLET
- STORM MANHOLE
- HEADWALL

UTILITY CROSSINGS

CO1	2" WATER B/P = 901.25	> 1.5'
	6" SANITARY T/P = 899.75	
CO2	6" SANITARY B/P = 901.97	> 1.5'
	2" WATER T/P = 900.47	
CO3	18" STORM B/P = 896.30	> 1.5'
	2" WATER T/P = 895.80	
CO4	18" STORM B/P = 896.90	> 1.5'
	8" WATER T/P = 895.40	
CO5	18" STORM B/P = 898.30	> 1.3'
	6" SANITARY T/P = 897.00	
CO6	6" SANITARY B/P = 895.14	> 1.5'
	8" WATER T/P = 893.64	

0 1" = 10'

ATWELL
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1850 PARKWAY PLACE, SUITE 650
MARIETTA, GA 30067
770.423.0807
COST: \$15,000.00

PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONVILLE, ILLINOIS 62424

24 HOUR
EMERGENCY CONTACT
NAME
PHONE

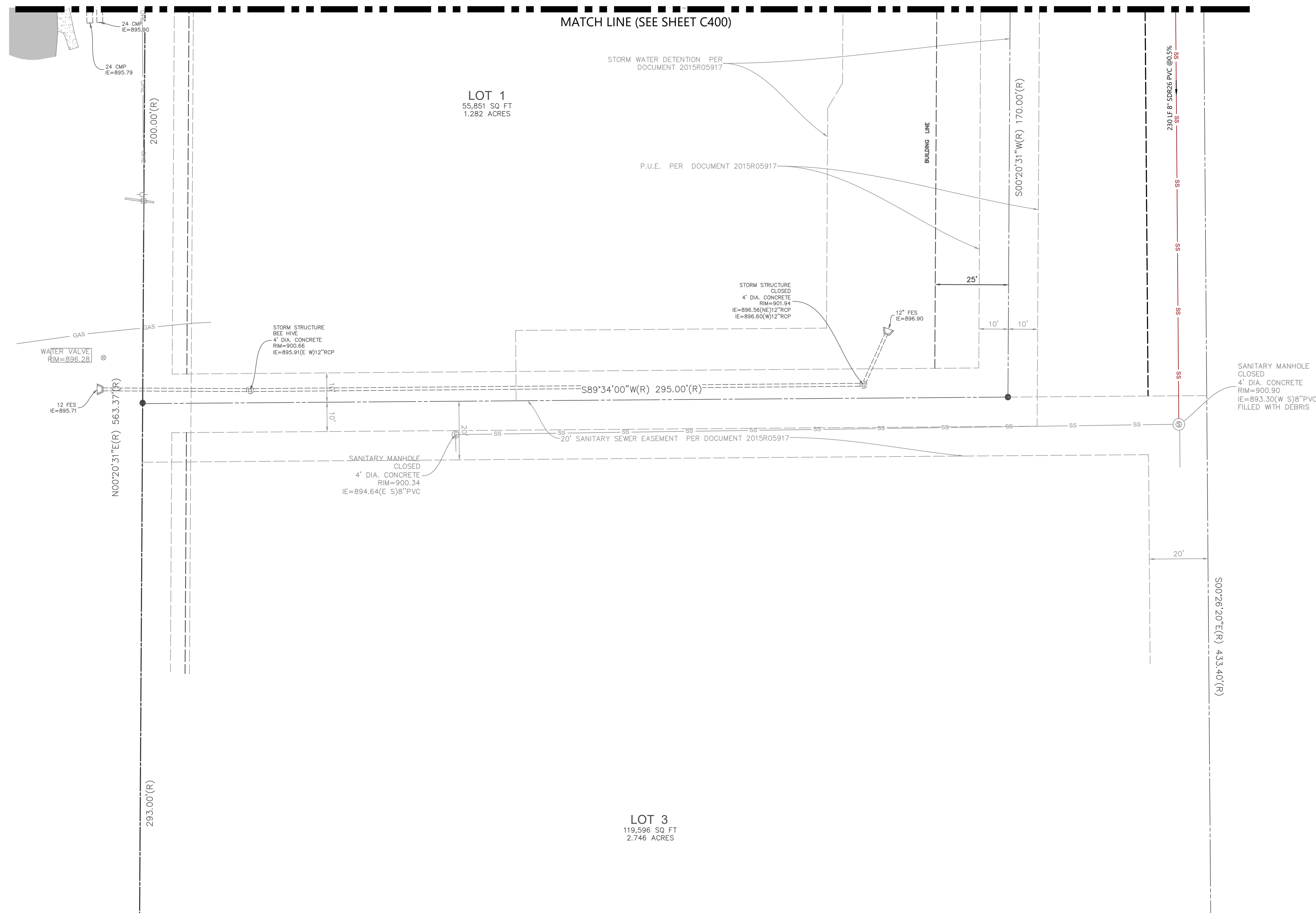
McDonald's
110 N. Carpenter St.
Chicago, IL 60607

McDonald's - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS

REV	DATE	DESCRIPTION
1	10/8/2025	FOR SPECIAL USE PERMIT APPLICATION

PROJECT NO. 25006700

SHEET NO. C400



SANITARY SEWER EXTENSION

UTILITY PLAN NOTES

1. PRIOR TO CONSTRUCTION OF ANY UTILITIES, CONTRACTOR IS TO VERIFY THAT THE PROPOSED UTILITIES SHOWN ON THIS PLAN THAT ENTER THE PROPOSED BUILDING(S) CORRESPOND WITH THE UTILITIES ON THE PLUMBING PLANS AS THEY EXIT THE BUILDING(S). CONTRACTOR TO REPORT IN WRITING ANY DISCREPANCIES IN SIZE, LOCATION, OR INVERT ELEVATION TO THE DESIGN ENGINEER IMMEDIATELY FOR REVIEW AND APPROVAL OF THE DESIGN ENGINEER.
2. GENERAL CONTRACTOR TO COORDINATE THE INSTALLATION AND PERMITTING OF PUBLIC UTILITIES SUCH AS ELECTRIC, TELEPHONE, CABLE AND FIBER OPTICS WITH THE PUBLIC UTILITY COMPANIES AND ARCHITECT PRIOR TO CONSTRUCTION. THE INSTALLATION OF THE PUBLIC UTILITIES AND NECESSARY SLEEVING SHALL BE INCLUDED AS PART OF THE GENERAL CONTRACTOR'S SCOPE OF WORK FOR THIS PROJECT.

REFERENCE BENCHMARK

NATIONAL GEODETIC SURVEY MONUMENT MB014
PID: DM5648
DATUM: NAVD 88 ELEVATION = 915.73

SITE BENCHMARK

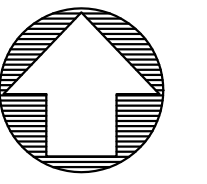
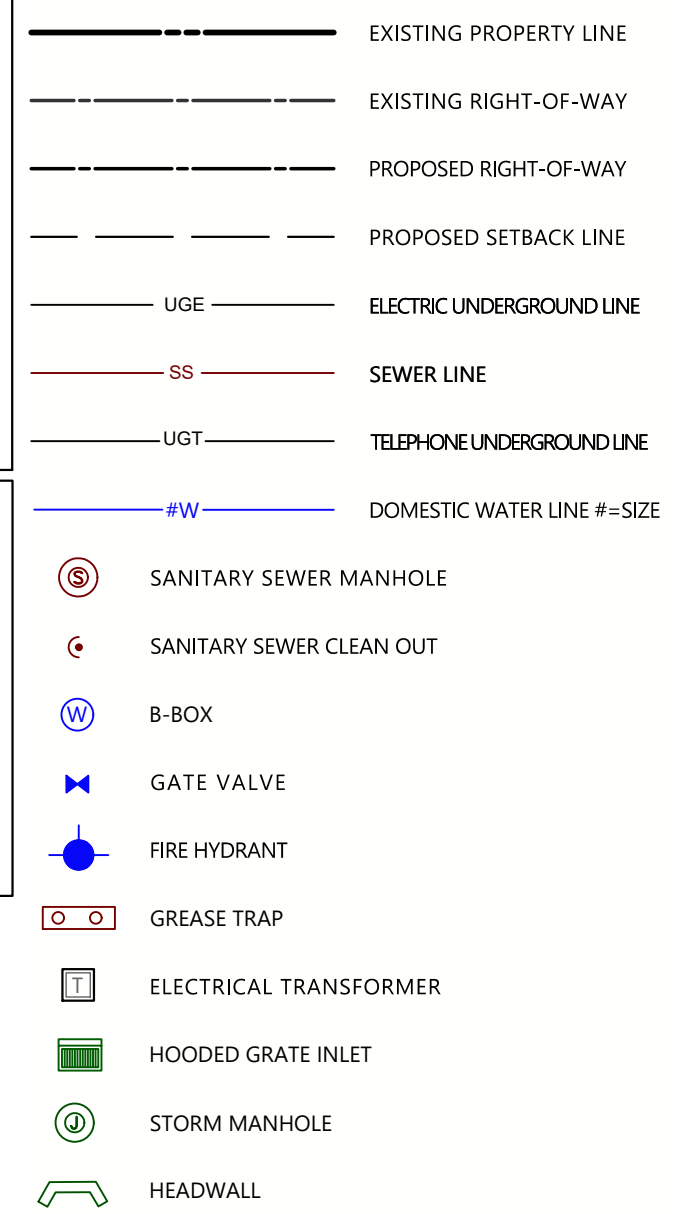
SITE BENCHMARK #1:
BOLT WITH ARROW ON FIRST FIRE HYDRANT
NORTH OF SITE ENTRANCE ON EAST SIDE OF
ILLINOIS ROUTE 76 ELEVATION = 907.12

SITE BENCHMARK #2:
BOLT WITH ARROW ON FIRST FIRE HYDRANT
SOUTH OF SITE ENTRANCE ON EAST SIDE OF
ILLINOIS ROUTE 76 ELEVATION = 902.82

GENERAL NOTES

1. THESE PLANS ARE BASED ON THE ALTA/NSPS LAND TITLE AND TOPOGRAPHIC SURVEY (SURVEY PROJECT #25.0140 DATED 6/9/2025)
PREPARED BY: COMPASS SURVEYING, LTD
2631 GINGER WOODS PARKWAY, SUITE 100
AURORA, IL 60502
PHONE: 630.820.9100
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND ARCHITECT TO VERIFY THAT THEY ARE WORKING FROM THE MOST CURRENT SET OF PLANS AND SPECIFICATIONS.

UTILITY LEGEND



SCALE: 1" = 10'

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MARIETTA, GA



PROJECT ADDRESS

13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY

24 HOUR
EMERGENCY CONTACT

EMERGENCY CONTACT
NAME
PHONE

McDonald's 10 N. Carpenter St. Chicago, IL 60607	LD'S - POPLAR GROVE, IL 75 ILLINOIS ROUTE 76 POPLAR GROVE, ILLINOIS
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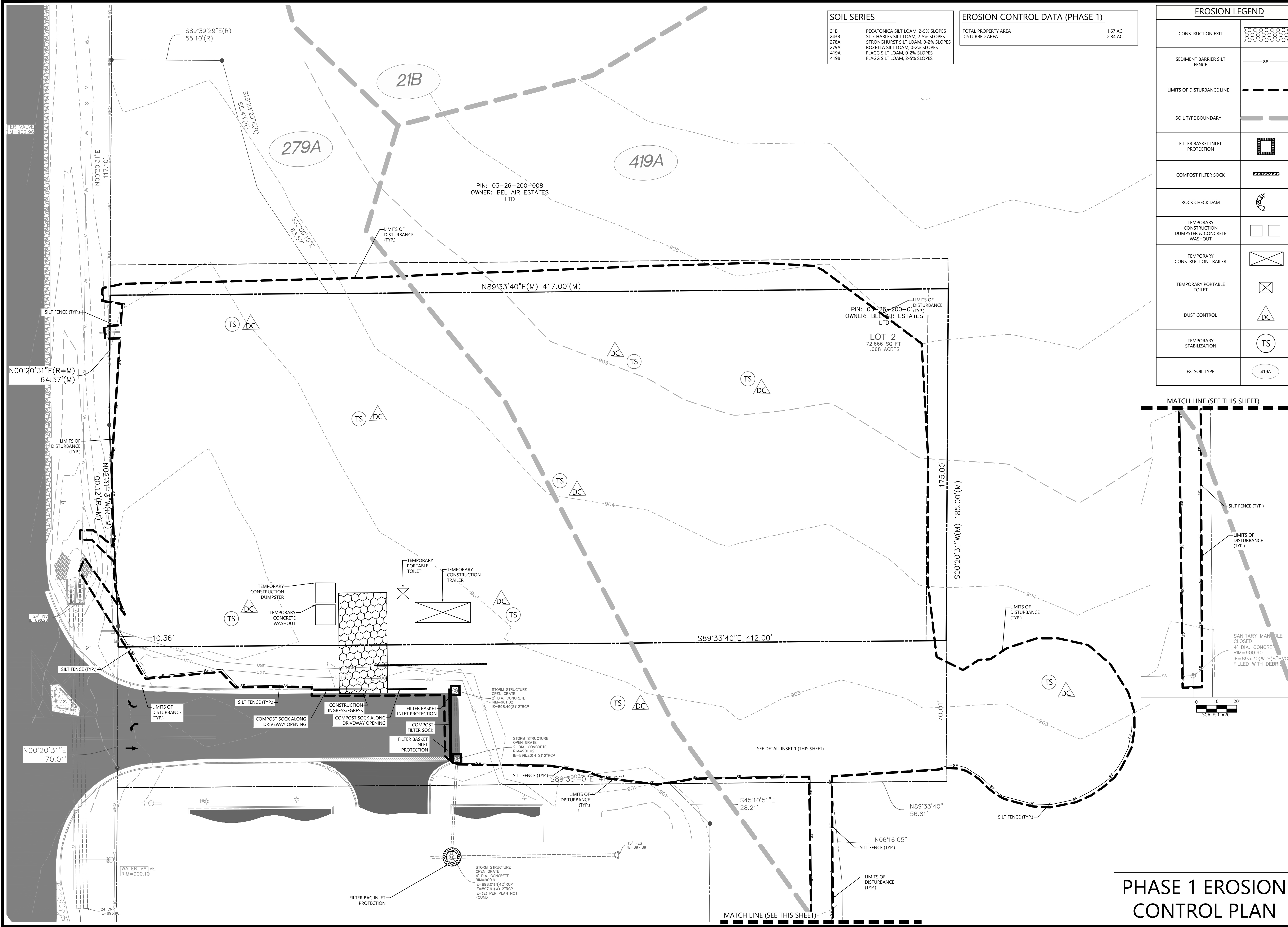
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PROJECT NO.	25006700
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SHEET NO. C410

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SOIL SERIES	
21B	PECATONICA SILT LOAM, 2-5% SLOPES
243B	ST. CHARLES SILT LOAM, 2-5% SLOPES
279A	STRONGHURST SILT LOAM, 0-2% SLOPES
279A	ROZETTA SILT LOAM, 0-2% SLOPES
419A	FLAGG SILT LOAM, 0-2% SLOPES
419B	FLAGG SILT LOAM, 2-5% SLOPES

EROSION CONTROL DATA (PHASE 1)	
TOTAL PROPERTY AREA	1.67 AC
DISTURBED AREA	2.34 AC

EROSION LEGEND	
CONSTRUCTION EXIT	
SEDIMENT BARRIER SILT FENCE	SF
LIMITS OF DISTURBANCE LINE	
SOIL TYPE BOUNDARY	
FILTER BASKET INLET PROTECTION	
COMPOST FILTER SOCK	
ROCK CHECK DAM	
TEMPORARY CONSTRUCTION DUMPSTER & CONCRETE WASHOUT	
TEMPORARY CONSTRUCTION TRAILER	
TEMPORARY PORTABLE TOILET	
DUST CONTROL	DC
TEMPORARY STABILIZATION	TS
EX. SOIL TYPE	419A

0 10' 20'
SCALE: 1"=20'

ATWELL
866.850.4200
1850 PARKWAY PLACE, SUITE 650
MARIETTA, GA 30067
www.atwell.com
CITY: 15133376

PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY

24 HOUR EMERGENCY CONTACT
NAME: _____
PHONE: _____

McDonald's
110 N. Carpenter St.
Chicago, IL 60607

McDonald's - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS

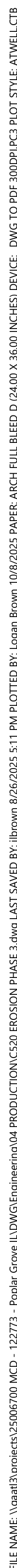
REV	DATE	DESCRIPTION

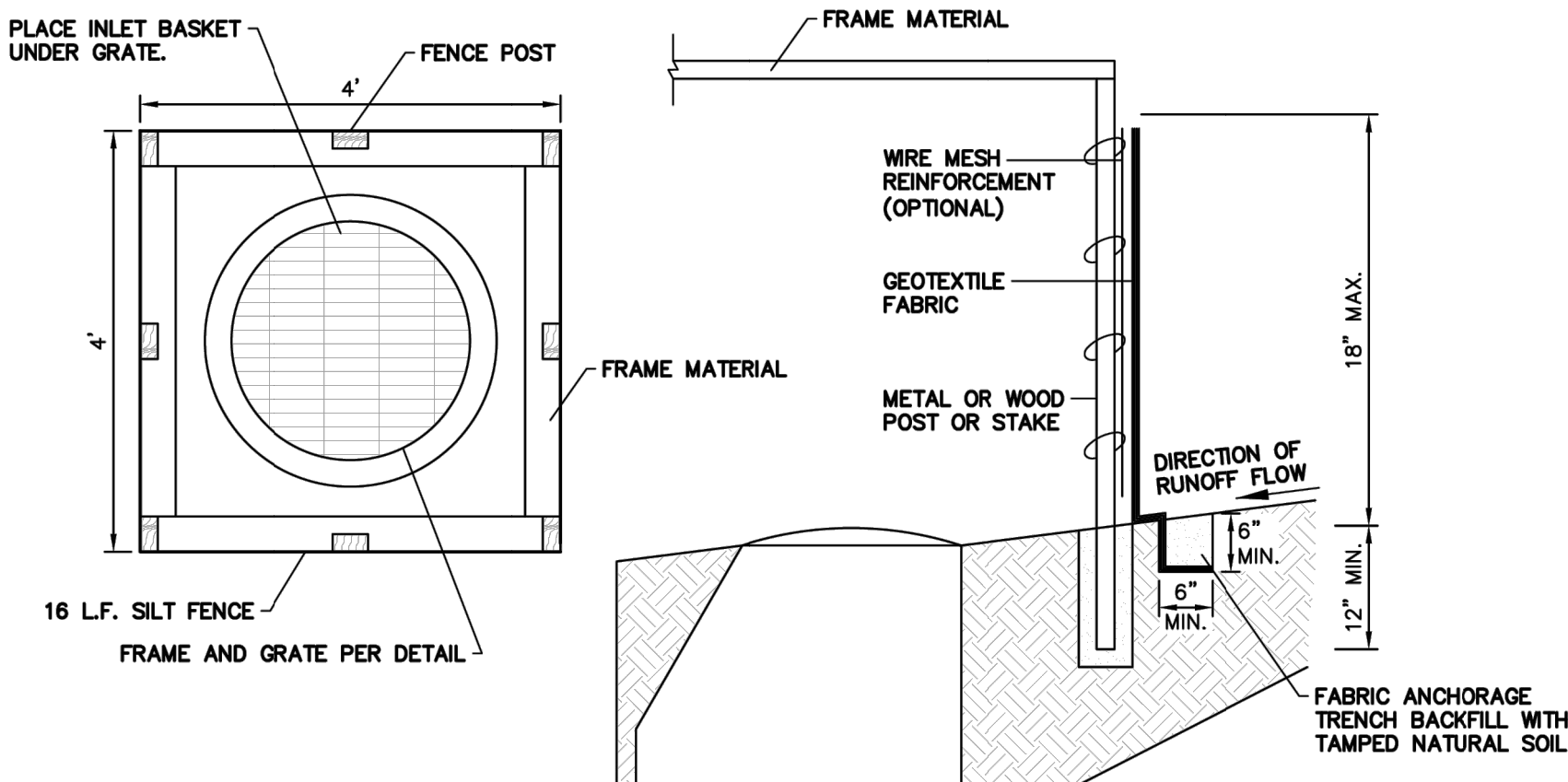
PLAN REVISIONS & RECORDS
FOR SPECIAL USE PERMIT APPLICATION

PROJECT NO. 25006700

SHEET NO. C500

PHASE 1 EROSION CONTROL PLAN

[illegible]



- NOTES:
1. **STONE SIZE** - IDOT COARSE AGGREGATE GRADATIONS: CA-1, CA-2, CA-3 OR CA-4.
2. **THICKNESS** - NOT LESS THAN EIGHT (8) INCHES.
3. **FILTER FABRIC** - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL CLASS I, II OR IV IN THE ILLINOIS URBAN MANUAL.
4. **STONE PLACEMENT** - THE STONES IN THE ENTRANCE SHALL BE PLACED ACCORDING TO ILLINOIS URBAN MANUAL CONSTRUCTION SPECIFICATION 25 (ROCKFILL). PLACEMENT WILL BE BY METHOD 1 AND COMPACTION WILL BE CLASS III.
5. **MAINTENANCE** - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SAVED, DROPPED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
6. **WASHING** - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, WATERCOURSES, OR SURFACE WATERS INCLUDING WETLANDS.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

NOTES:

1. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.
2. STEEL POSTS SHALL BE STANDARD T AND U SECTIONS WEIGHING NOT LESS THAN 1.33 POUNDS PER LINEAR FOOT OR OTHER STEEL POSTS OF EQUIVALENT STRENGTH AND WEAR RESISTANT.
3. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 (GEOTEXTILE) TABLE 1 OR 2, CLASS I IN THE ILLINOIS URBAN MANUAL, CURRENT EDITION, THE FABRIC SHALL HAVE AN AOS OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN MATERIAL.
4. STAKES ARE TO BE PLACED A MAXIMUM OF 3 FEET APART.
5. JOINTS IN GEOTEXTILE FABRIC ARE TO BE MADE AT STAKES.

PHASE 1 CONSTRUCTION SEQUENCE:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. PREPARE TEMPORARY PARKING AND STORAGE AREA.
3. CONSTRUCT THE SITE FENCES ON THE SITE.
4. INSTALL INLET PROTECTION AROUND ALL EXISTING STORM SEWER STRUCTURES
5. HOLD PRE-CONSTRUCTION MEETING TO DISCUSS THE STORM WATER POLLUTION PLAN WITH ENGINEER, ALL CONTRACTORS AND JURISDICTIONAL INSPECTION AGENCIES.
6. CLEAR AND GRUB THE SITE.
7. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
8. BEGIN MASS GRADING OPERATIONS FOR THE SITE.

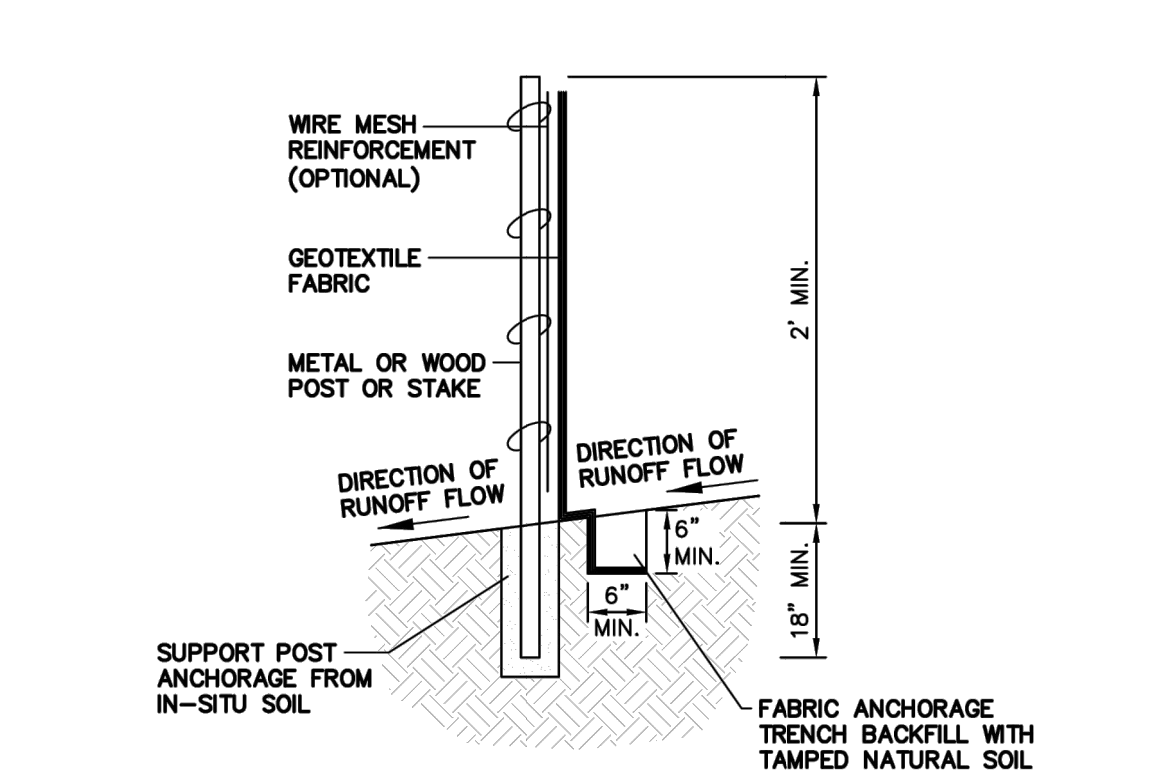
PHASE II CONSTRUCTION SEQUENCE:

1. TEMPORARILY SEED DENUDED AREAS.
2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
3. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
4. PREPARE SITE FOR PAVING.
5. PAVE SITE.
6. INSTALL INLET PROTECTION DEVICES.
7. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
8. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).

[illegible]

NOTES:

1. PERMANENT VEGETATION SHALL BE PLANTED ACCORDING TO THE APPROVED LANDSCAPE PLAN AND SHALL FOLLOW ILLINOIS URBAN MANUAL PRACTICE STANDARD 880 FOR PERMANENT SEEDING AND 925 FOR SODDING AT A MINIMUM.
2. TEMPORARY SEEDING SHALL BE APPLIED ACCORDING TO THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 965. THIS PRACTICE APPLIES TO ALL CLEARED, UNVEGETATED, OR SPARSELY VEGETATED SOIL SURFACES WHERE VEGETATIVE COVER IS NEEDED FOR LESS THAN 1 YEAR.
 - A. WHERE THE PH OF THE SOIL IS BELOW 5.5, APPLY ONE AND ONE HALF TO TWO TONS PER ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE. IF THE SEEDING PERIOD IS LESS THAN 30 DAYS, LIMING WILL NOT BE REQUIRED.
 - B. APPLY 500 POUNDS PER ACRE OF 10-10-10 FERTILIZER OR EQUIVALENT. INCORPORATE LIME AND FERTILIZER INTO THE TOP 2-4 INCHES OF SOIL. IF THE SEEDING PERIOD IS LESS THAN 30 DAYS, FERTILIZER WILL NOT BE REQUIRED.
 - C. PREPARE A TOPSOIL SEEDBED OF LOOSE SOIL TO A DEPTH OF 3 TO 4 INCHES. IF RECENT TILLAGE OR GRADING OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL TILLAGE OR SOFTENING MAY NOT BE REQUIRED EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSED THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. GROVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING.
 - D. SEED SHALL BE EVENLY APPLIED WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER. SMALL GRAINS SHALL BE PLANTED NO MORE THAN ONE INCH DEEP. GRASSES SHALL BE PLANTED NO MORE THAN ONE HALF INCH DEEP.
 - E. COVER BROADCAST SEEDINGS BY CULTIPACKING, DRAGGING A HARROW, OR RAKING.
 - F. OATS SHALL BE APPLIED AT 90 LBS PER ACRE AND SHALL ONLY BE APPLIED EARLY SPRING TO JULY.
 - G. CEREAL RYE SHALL BE APPLIED AT 90 LBS PER ACRE AND SHALL ONLY BE APPLIED EARLY SPRING TO SEPTEMBER 30.
 - H. WHEAT SHALL BE APPLIED AT 90 LBS PER ACRE AND SHALL ONLY BE APPLIED EARLY SPRING TO SEPTEMBER 30.
 - I. PERENNIAL RYE GRASS SHALL BE APPLIED AT 25 LBS PER ACRE AND SHALL ONLY BE APPLIED EARLY SPRING TO SEPTEMBER 30.
3. TEMPORARY MULCHES ARE TO BE APPLIED TO:
 - A. AREAS THAT HAVE BEEN SEEDDED TO PROVIDE A TEMPORARY OR PERMANENT SEEDING;
 - B. AREAS THAT CANNOT BE SEEDDED BECAUSE OF THE SEASON OF THE YEAR AND NEED FOR SOIL SURFACE PROTECTION;
 - C. FOR MUD AND DUST CONTROL;
 - D. PROVIDE PROTECTION DURING PERIODS WHEN CONSTRUCTION OR SEEDING CANNOT BE DONE; AND SHALL BE CONSTRUCTED ACCORDING TO THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 875.



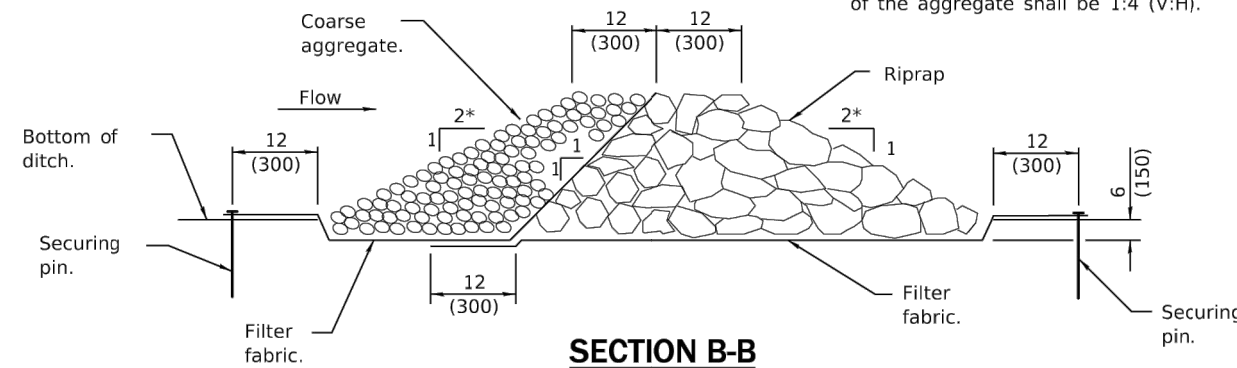
- NOTES:
1. TOP FLANGE FABRICATED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE BASE RIM FABRICATED FROM 1 1/2" x 1/2" x 1/8" CHANNEL HANDLES AND SUSPENSION HOOKS FABRICATED FROM 1/2" x 1/4" FLAT STOCK
 2. ALL DOMESTIC STEEL IS TO CONFORM TO ASTM-A36.
 3. SEDIMENT BAG IS TO BE FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH WITH A MINIMUM FLOW RATE OF 45 GAL./MIN./SQ. FT. BAG IS TO BE DESIGNED FOR A MINIMUM SILT AND SAND CAPACITY 2 CUBIC FT. BAG IS TO BE SECURED TO BASE RIM WITH A STAINLESS STEEL STRAP AND LOCK.

The diagram illustrates a cross-section of a ditch. Key components and dimensions are labeled as follows:

- Top of bank:** Indicated by a horizontal line at the top left and right edges.
- Securing pin:** Two pins are shown, one on each side, securing the filter fabric to the top of the bank.
- Filter fabric:** The material lining the bottom and sides of the ditch, depicted with a pebbled texture.
- Dimensions:**
 - 6 (150):** The vertical depth of the ditch from the top of the bank to the bottom.
 - 12 (300) min.:** The minimum width of the ditch at the top.
 - 36 (914) min.:** The minimum width of the ditch at the bottom.
- Arrows:** Two arrows labeled 'B' point downwards from the top and bottom center of the ditch, indicating the direction of flow or observation.

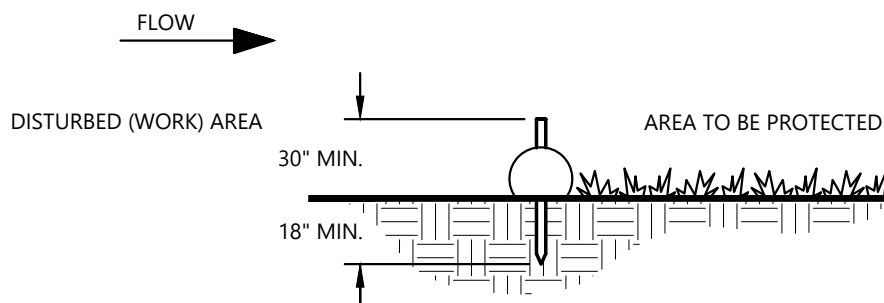
ELEVATION

x. When the ditch check is within the

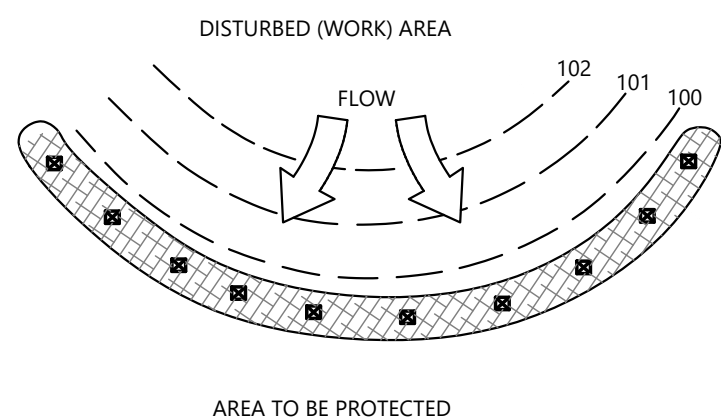
ELEVATION

SECTION B-B

AGGREGATE DITCH CHECK



CROSS SECTION



PLAN

COMPOST FILTER SOCK

N.T.S.

- NOTES:**
1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
 2. FENCE POSTS SHALL BE EITHER STANDARD STEEL, PLASTIC OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.
 3. STEEL POSTS SHALL BE STANDARD T AND U SECTIONS WEIGHING NOT LESS THAN 1.33 POUNDS PER LINEAR FOOT OR OTHER STEEL POSTS HAVING EQUIVALENT STRENGTH AND BENDING RESISTANCE.
 4. WIRE FENCE SHALL BE A MINIMUM 12 GAGE WIRE WITH A 6 INCH MAXIMUM OPENING.
 5. FENCE SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 (GEOTEXTILE) TABLE 1 OR 2, CLASS I IN THE FABRIC SHALL HAVE AN AOS OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN MATERIAL.

MAINTENANCE NOTES:

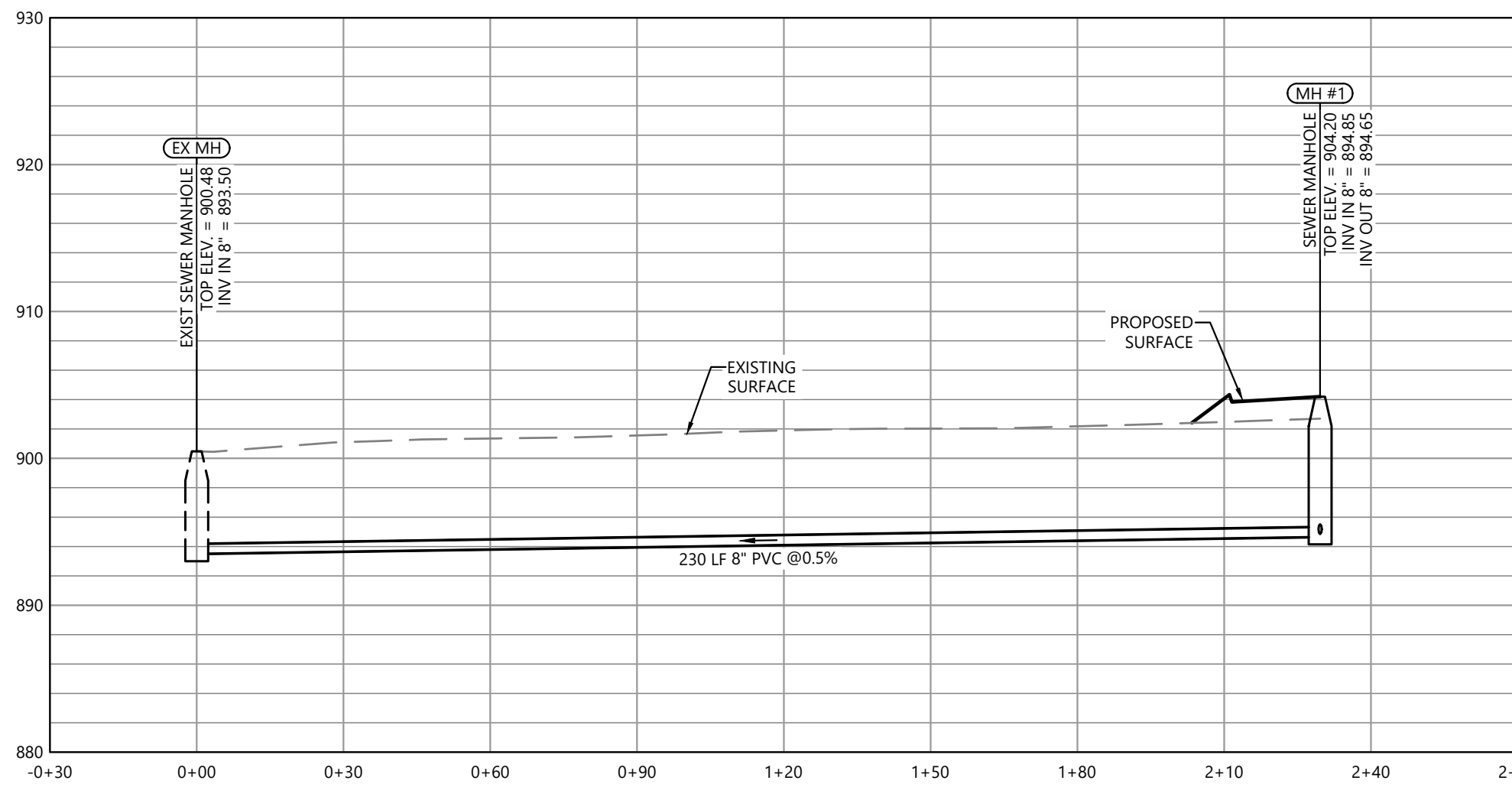
1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL GREATER THAN 1/2" AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN THE DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR OTHER BARRIER HAS BEEN REMOVED SHALL BE GRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND NEEDED.
5. AT A MINIMUM, SILT FENCE AND OTHER EROSION CONTROL MEASURES SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PHASE I AND PHASE II SOIL EROSION CONTROL PLANS. THEY SHALL ALSO BE INSTALLED ANYWHERE THAT THEY ARE NEEDED DURING CONSTRUCTION IN ORDER TO PREVENT EROSION AND SEDIMENT FROM BEING CARRIED DOWN STREAM. THIS IS THE GENERAL CONTRACTOR'S RESPONSIBILITY AND SHALL BE MAINTAINED, REPAIRED, MAINTAINED, ETC. AS DIRECTED BY THE APPOINTED SWPPP INSPECTOR. EROSION CONTROL INSTALLATION AND MAINTENANCE IS TO BE A PART OF THE CONTRACT AND IS NOT AN EXTRA TO THE OWNER.

- NOTES:
- 1) OPTIONAL USE OF A PORTABLE CONCRETE WASHOUT CONTAINER IS ACCEPTABLE WITH 30 MIL. POLYETHYLENE LINING.
 - 2) CONCRETE WASHOUT SHOULD BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHOULD NOT BE ALLOWED TO ENTER WATER BODIES, STORM SEWERS OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHOULD BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHOULD BE DESIGNATED WITH PROPER SIGNAGE. FAILURE TO COMPLY COULD RESULT IN AN INCIDENT OF NONCOMPLIANCE (ION).

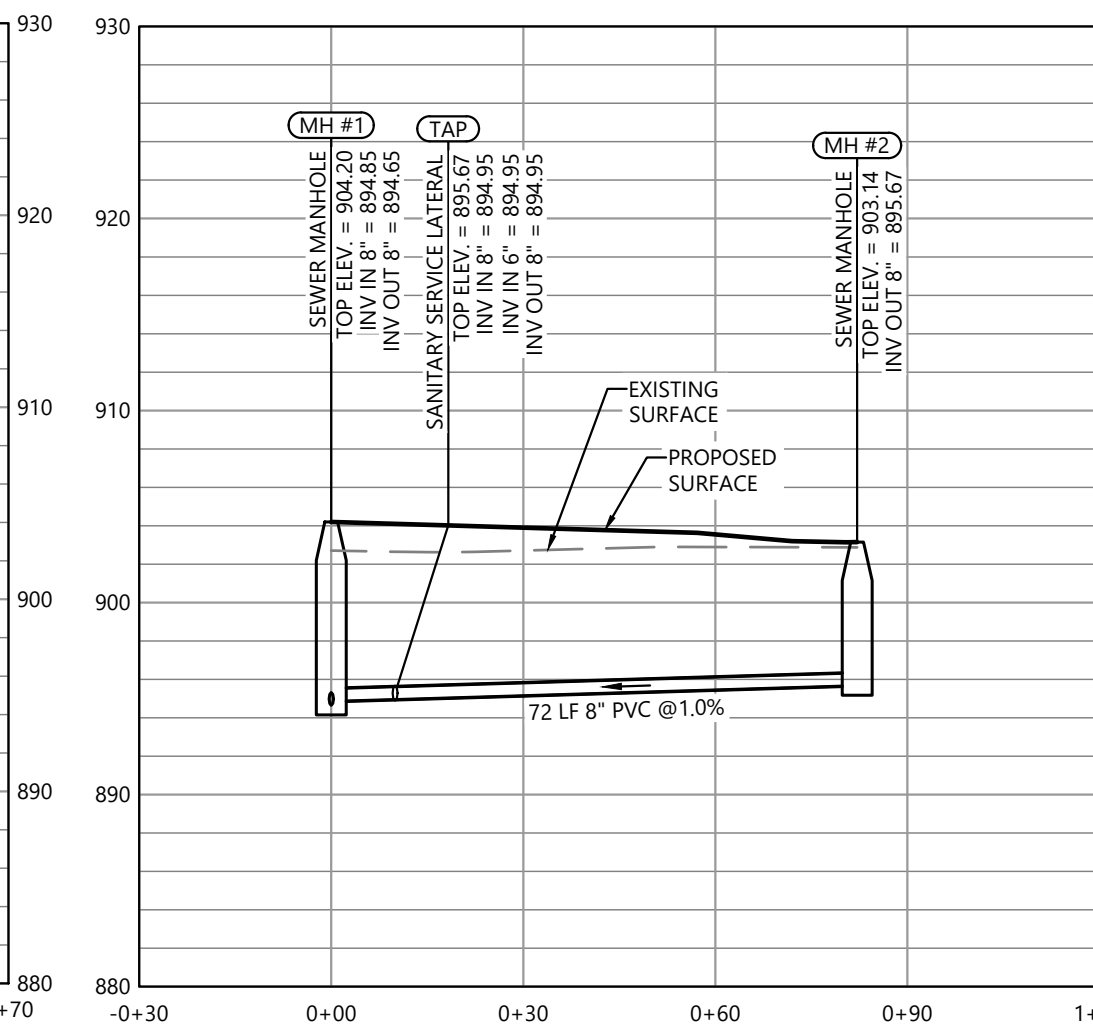
CONCRETE WASHOUT AREA DETAIL

EROSION CONTROL DETAILS

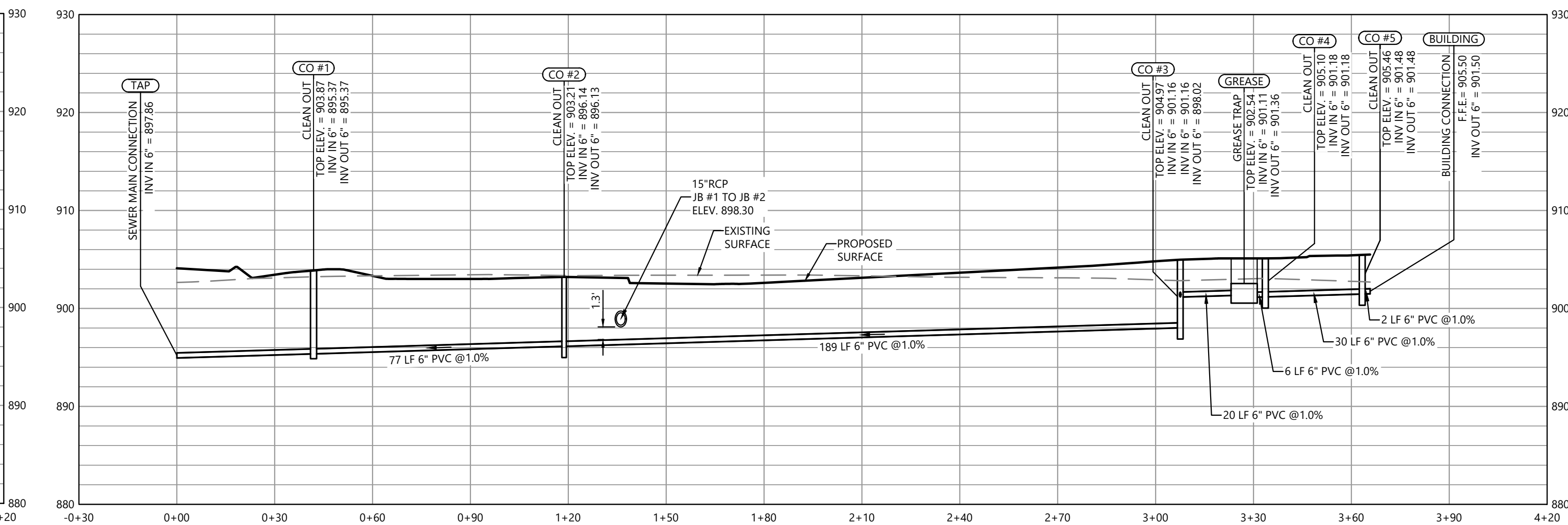
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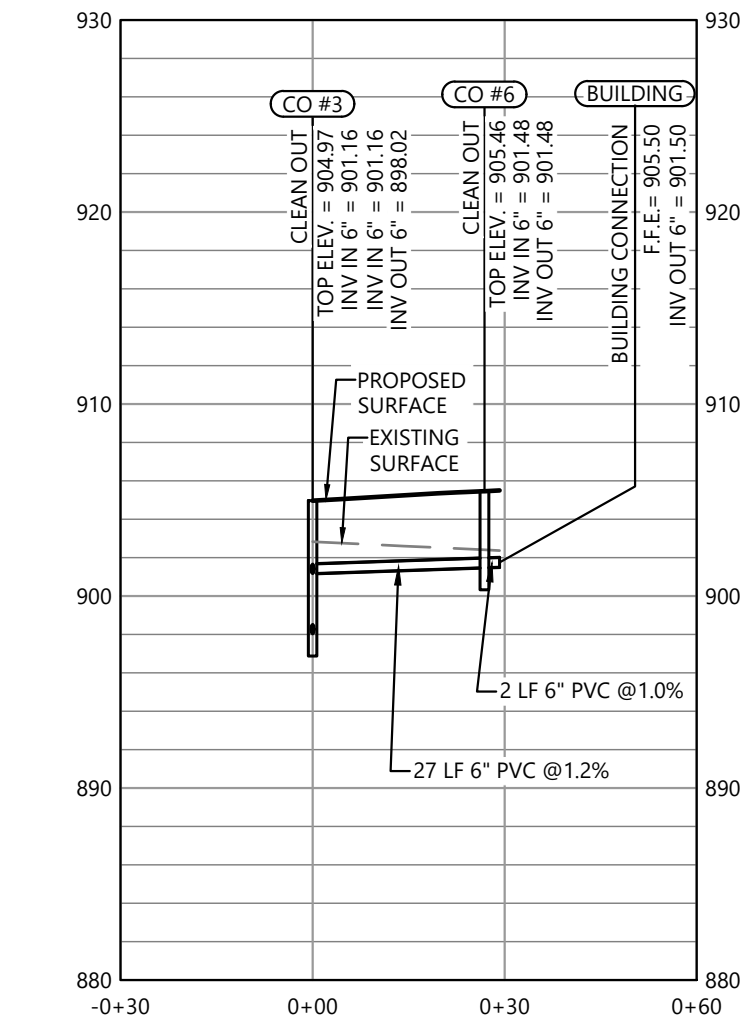
OFFSITE SANITARY SEWER PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



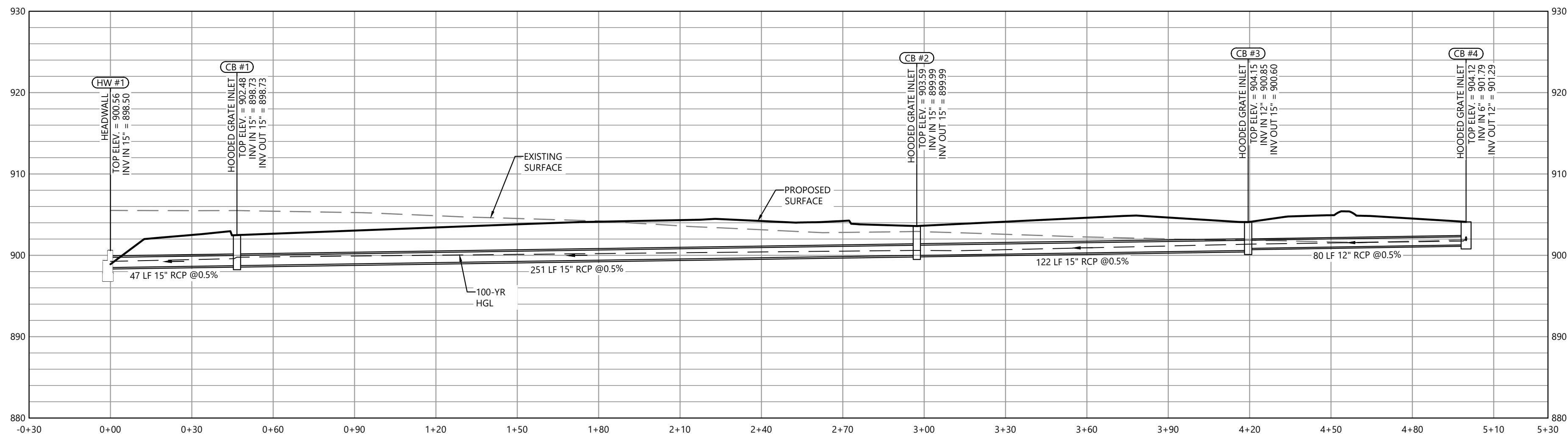
SANITARY SEWER MH#1 - MH#2 PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



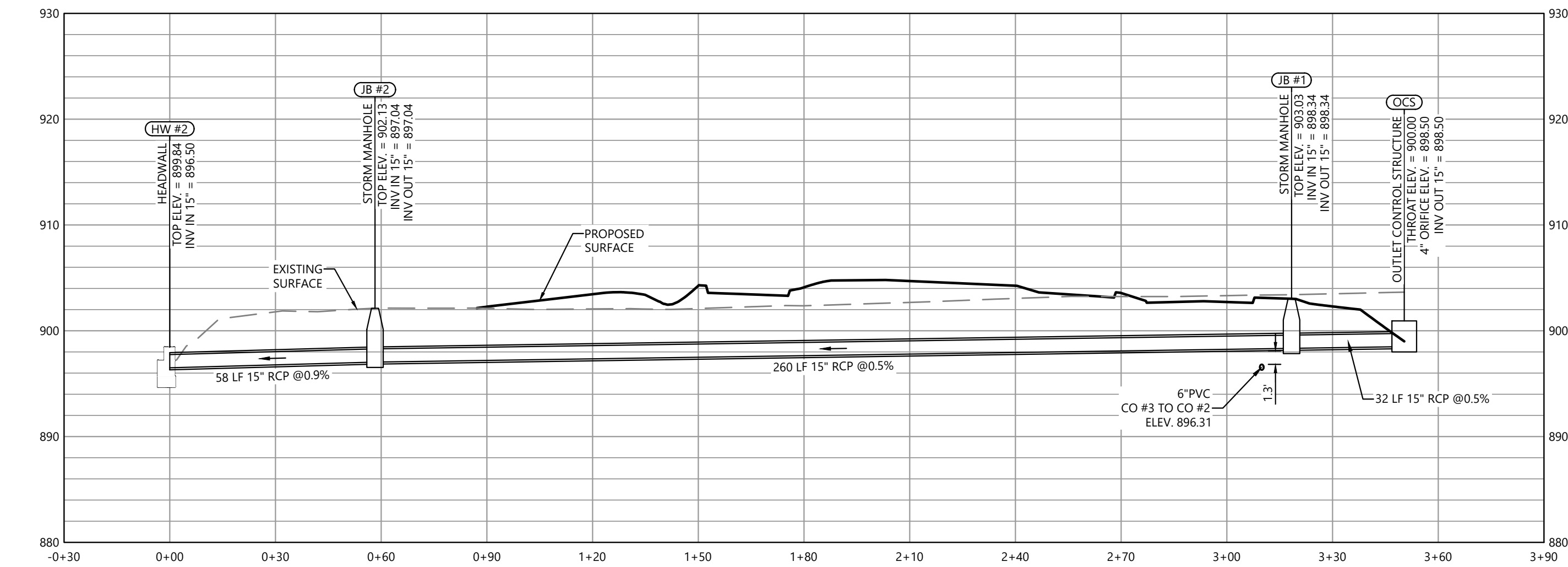
SANITARY SEWER SERVICE (TAP TO CO#5) PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



SANITARY SEWER SERVICE (CO#3 TO CO#6) PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



STORM HW #1 TO CB #3 PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'



POND OUTFALL PROFILE
HORZ SCALE: 1"=30'
VERT SCALE: 1"=10'

PIPE CHARTS



PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY
24 HOUR
EMERGENCY CONTACT
NAME
PHONE

McDonald's
110 N. Carpenter St.
Chicago, IL 60607
McDONALD'S - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS



PLAN REVISIONS & RECORDS

REV	DATE	FOR SPECIAL USE PERMIT APPLICATION

PROJECT NO. 25006700
SHEET NO. C600



1. PROVIDE 1/2" EXPANSION JOINTS EVERY 45' O.C.
2. PROVIDE HAND TOOLED CONTRACTION JOINTS EVERY 15' O.C.



1. PARKING STALLS ARE 9' APART, STARTING FROM FACE OF CURB TO PAINTED STRIPE.
2. FACE OF CURB DIMENSION IS 6" FROM BACK OF CURB. THE EDGE OF PAVEMENT IS 12" FROM FACE OF CURB.

The diagram illustrates a road cross-section. On the left, a vertical line represents the 'Pavement' edge. A horizontal dimension line labeled 'A' spans the width of the road. A slope of '6%' is indicated by a dashed line. To the right of the slope, a vertical line labeled 'B' marks the edge of the shoulder. Further right, a vertical line labeled 'C' marks the edge of the road. A dimension line labeled 'D' indicates the width of the shoulder. A small triangle labeled 'R1' is shown at the bottom right corner of the shoulder.

BARRIER CURB

TYPE	A	B	C	D	R ₁
B-6-06	6	1	6	6	1
(B-15-15)	(150)	(25)	(150)	(25)	(25)
B-6-12	12	1	6	6	1
(B-15-3)	(300)	(25)	(150)	(150)	(25)
B-5-18	18	1	6	6	1
(B-15-45)	(450)	(25)	(50)	(25)	(25)
B-6-18	18	6	6	6	6
(B-15-60)	(600)	(25)	(150)	(150)	(25)
B-9-12	12	2	5	9	1
(B-22-30)	(300)	(50)	(125)	(225)	(25)
B-5-18	18	1	6	6	1
(B-22-45)	(450)	(50)	(125)	(225)	(25)
B-9-24	24	2	5	9	1
(B-22-60)	(600)	(50)	(125)	(225)	(25)

4'

6" DIA. STEEL BOLLARD FILLED WITH CONCRETE. PAINT YELLOW.

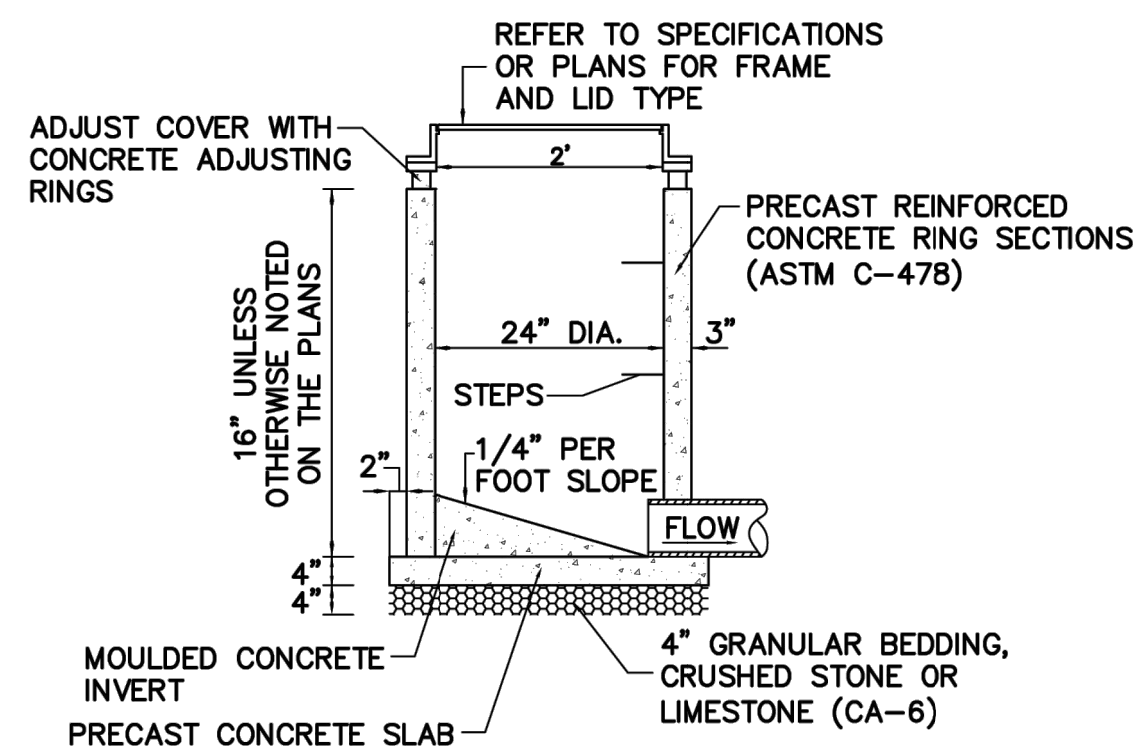
3'

FINISHED ELEVATION

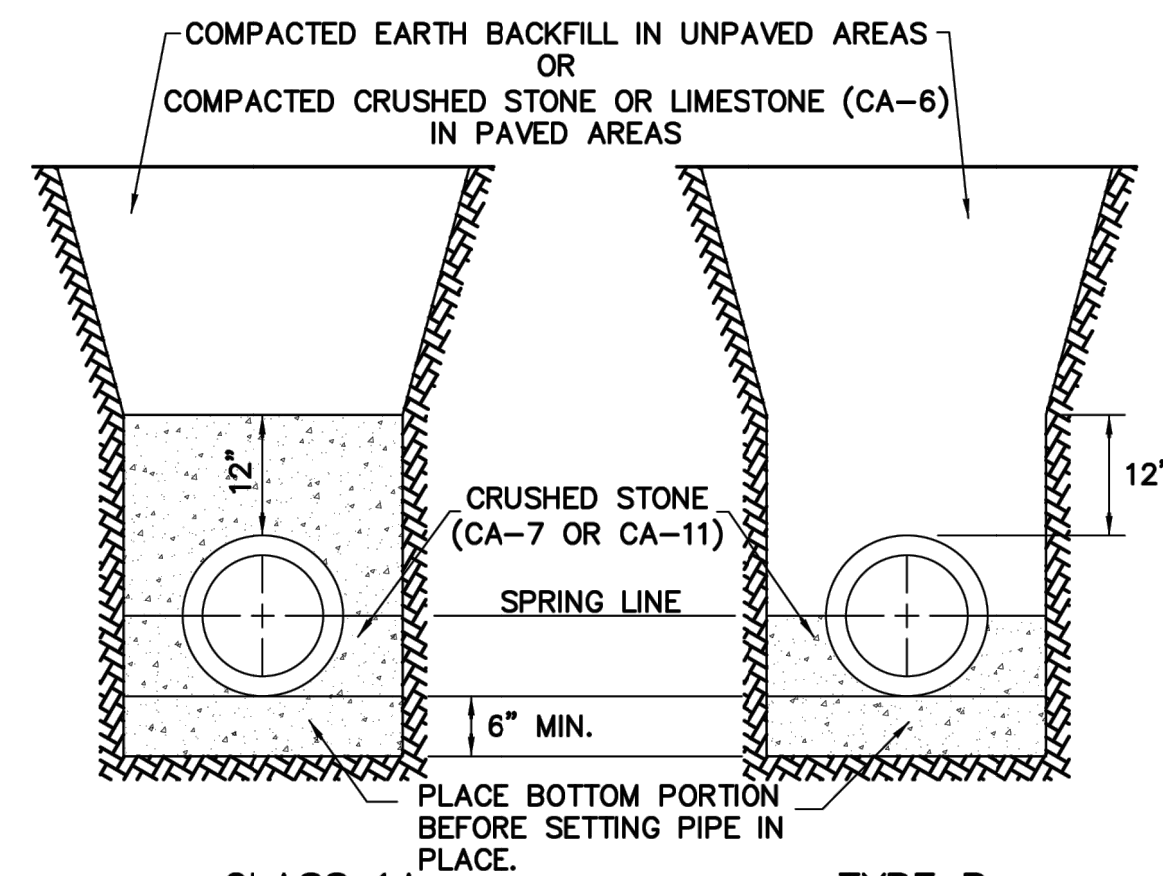
SET IN CONCRETE (SEE SPECIFICATIONS FOR STRENGTH)

6" TYP.

BOLLARD



24" INLET (I.D.O.T TYPE "A")



CLASS 1A

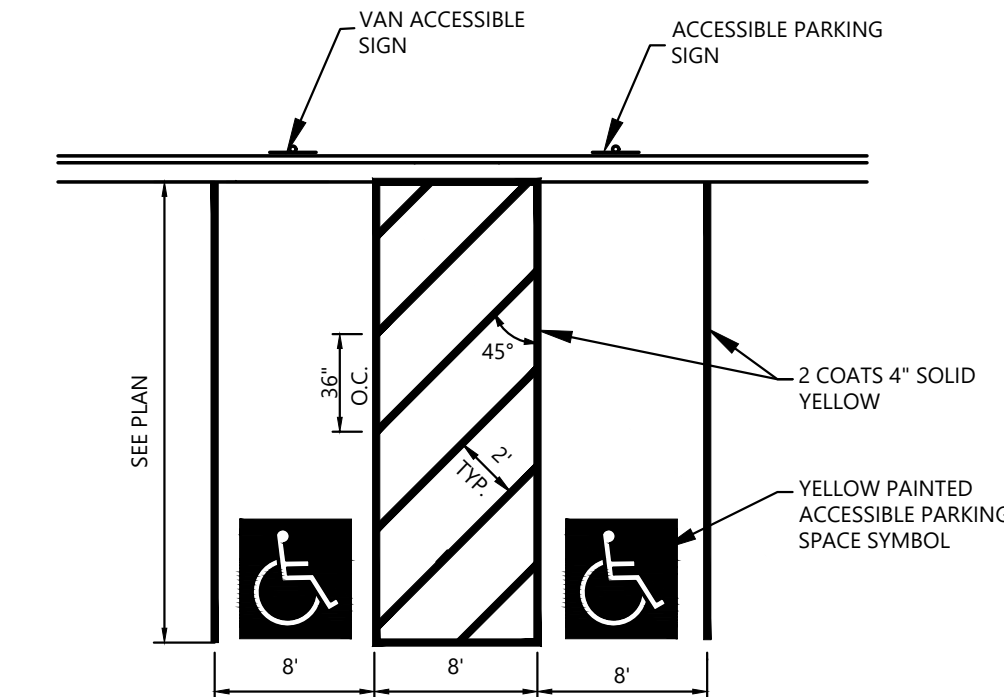
(FLEXIBLE PIPE, ASTM 2321-89)
(PVC, HDPE, CMP)

TYPE B

(RIGID PIPE, ASTM C12)
(RCP, DIP, CIP, VCP)

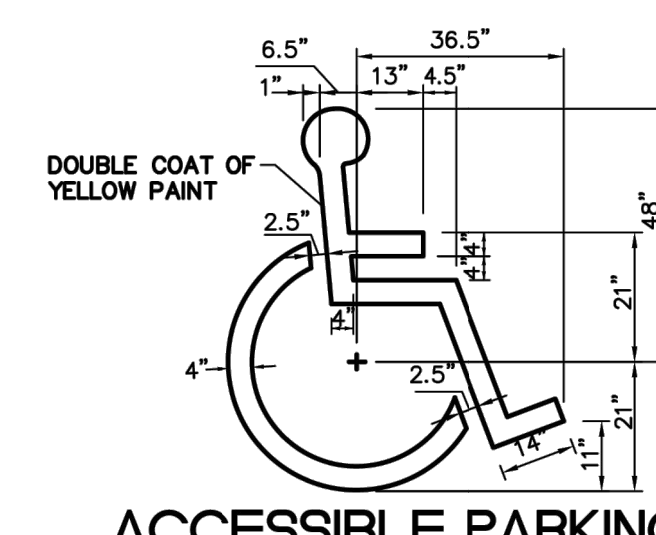
- NOTES:**
1. GRANULAR BEDDING IS NOT REQUIRED FOR WATER MAIN; HOWEVER, SOIL BASE BEDDING MUST BE COMPACTED AND STABLE MATERIAL.
 2. **FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLow APPLICATIONS," LATEST EDITION.
 3. **EXHUMATION:** TRENCH AT TOP OF PIPE FOR ALL CLASSES IS TO BE $\frac{3}{4}$ INTERNAL DIAMETER PLUS 10" UNLESS SHEETING IS USED.
 4. MINIMUM COVER FOR PVC, HDPE, AND CMP IS 12' FROM THE TOP OF THE PIPE TO THE BOTTOM OF ASPHALT/OR TO TOP OF CONCRETE PAVEMENT, OR TO FINISHED GRADE ELEVATION IN LANDSCAPED AREAS.
 5. TRENCH BACKFILL MUST BE WELL SPADED ON BOTH SIDES OF PIPE.
 6. TRENCH BACKFILL AND BEDDING MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD LABORATORY DENSITY PER ASTM D698.

TRENCH DETAIL



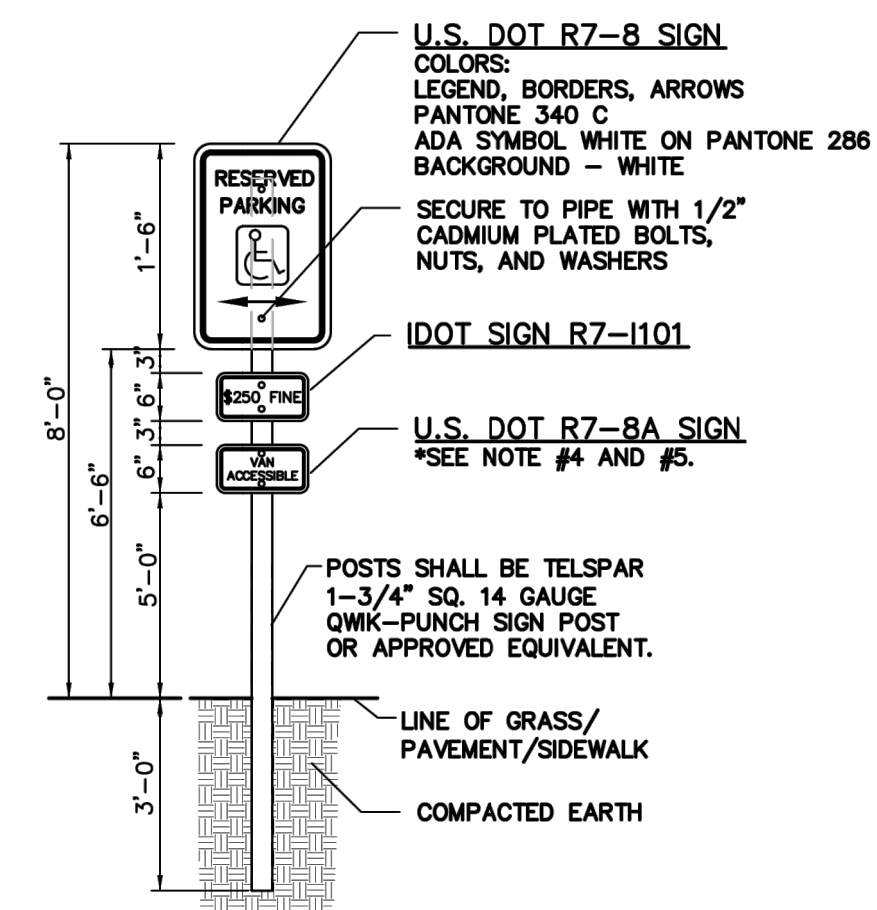
ACCESSIBLE PARKING SPACE SIGN SHALL BE SET NOT LESS
THAN 5' BUT NOT MORE THAN 9' ABOVE FINISH GRADE.

ACCESSIBLE PARKING SPACE DETAIL



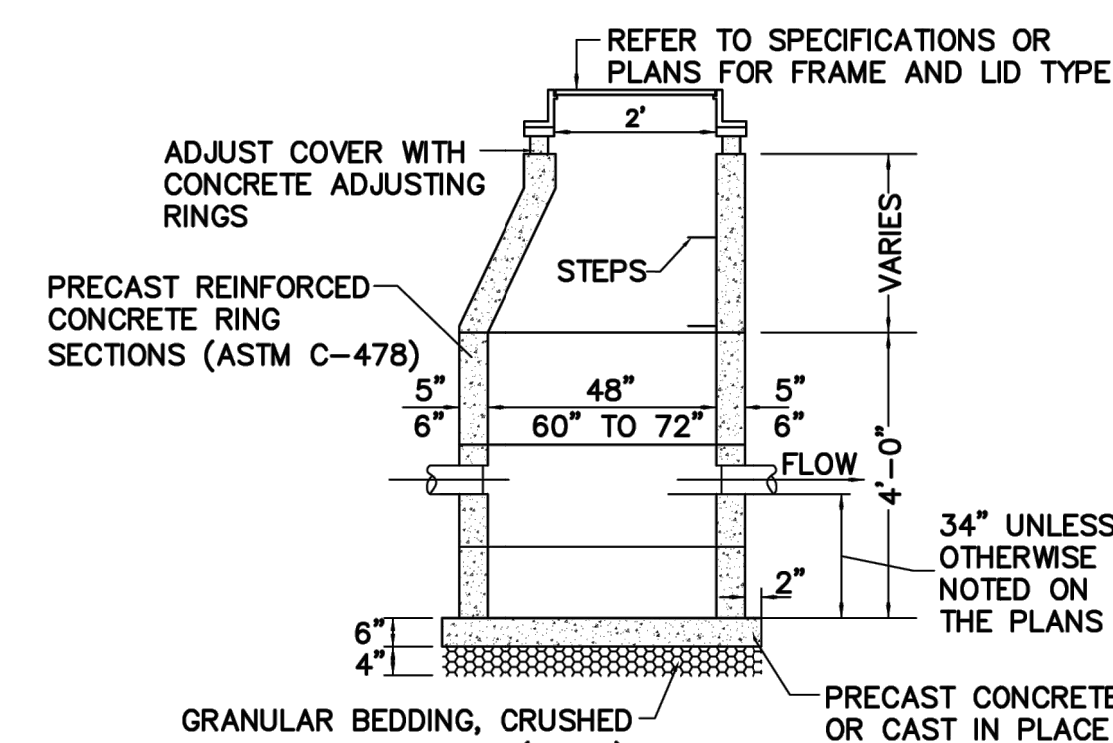
ACCESSIBLE PARKING SPACE SYMBOL

1. SYMBOL IS CENTERED ON WIDTH OF PARKING STALL AND 2' FROM THE END OF THE STALL.

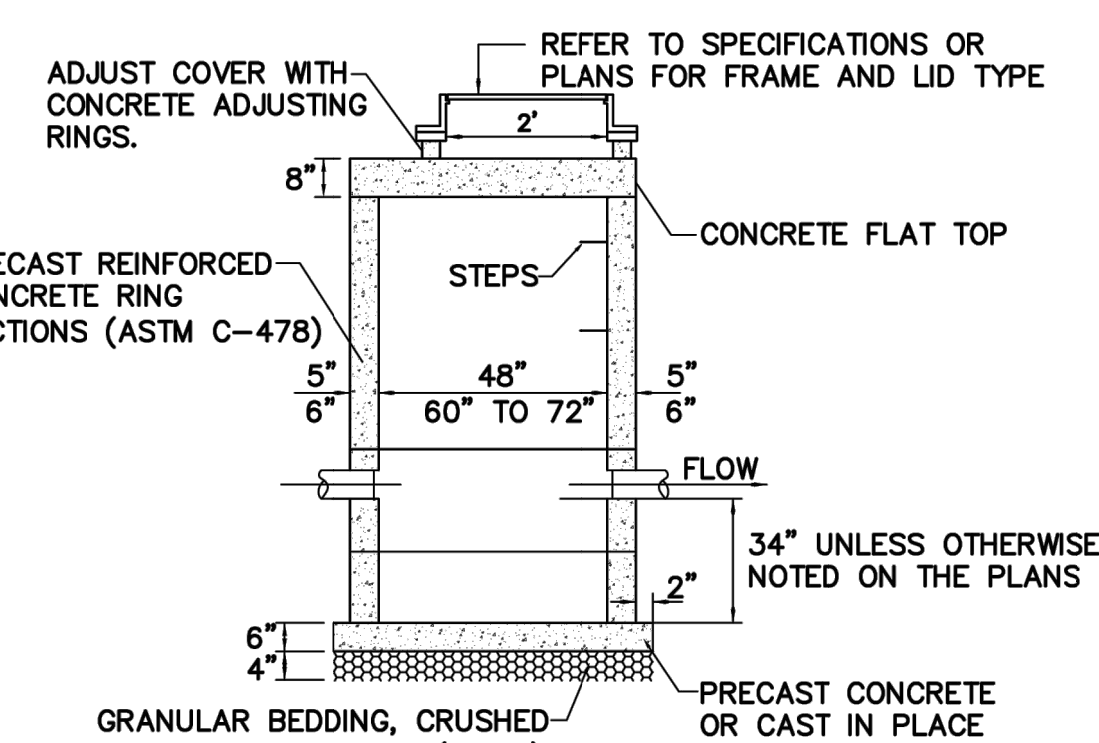


1. WHERE A FINE IN EXCESS OF \$250 IS ESTABLISHED BY A MUNICIPALITY BY ORDINANCE IN ACCORDANCE WITH THE STATUTES, THE ACTUAL AMOUNT OF THE FINE MUST BE SPECIFICALLY SET FORTH IN THE ACT.
2. THIS PLATE MAY BE MOUNTED DIRECTLY BELOW THE R-7-S SIGN OR COMBINED WITH THAT SIGN ON A SINGLE 12 INCH BY 24-INCH PANEL.
3. THE DESIGNATED ACCESSIBLE SIDE OF THE PLATE SHOULD BE LOCATED WHERE THERE IS ONLY ONE SPACE. THE ARROW MAY ALSO BE PLACED TO POINT IN ONLY ONE DIRECTION. THE ARROW MAY ALSO BE REPLACED BY TIME, SUCH AS 9:00 AM TO 5:00 PM, WHEN A PARK TIME RESTRICTION EXISTS.
4. THE PLATE MUST BE ACCESSIBLE TO ALL. THE PLATE SHALL BE SERVED BY AN ACCESS AISLE 8 FEET WIDE MINIMUM AND SHALL BE DESIGNATED "VAN ACCESSIBLE."
5. THE LOWEST BOTTOM CORNER OF THE LOWEST REQUIRED SIGN SHALL BE MOUNTED AT 60" ABOVE FINISHED GRADE.
6. COLORS FOR BOTH IDOT SIGN R-7-101 AND USDOT R-7-84, LEGEND, 102 AND ARROW PLATE R-7-101 AND USDOT R-7-84 SHOULD BE (PANTONE 340C) BACKGROUND—WHITE REFLECTORIZED.

ACCESSIBLE PARKING SPACE SIGN DETAIL



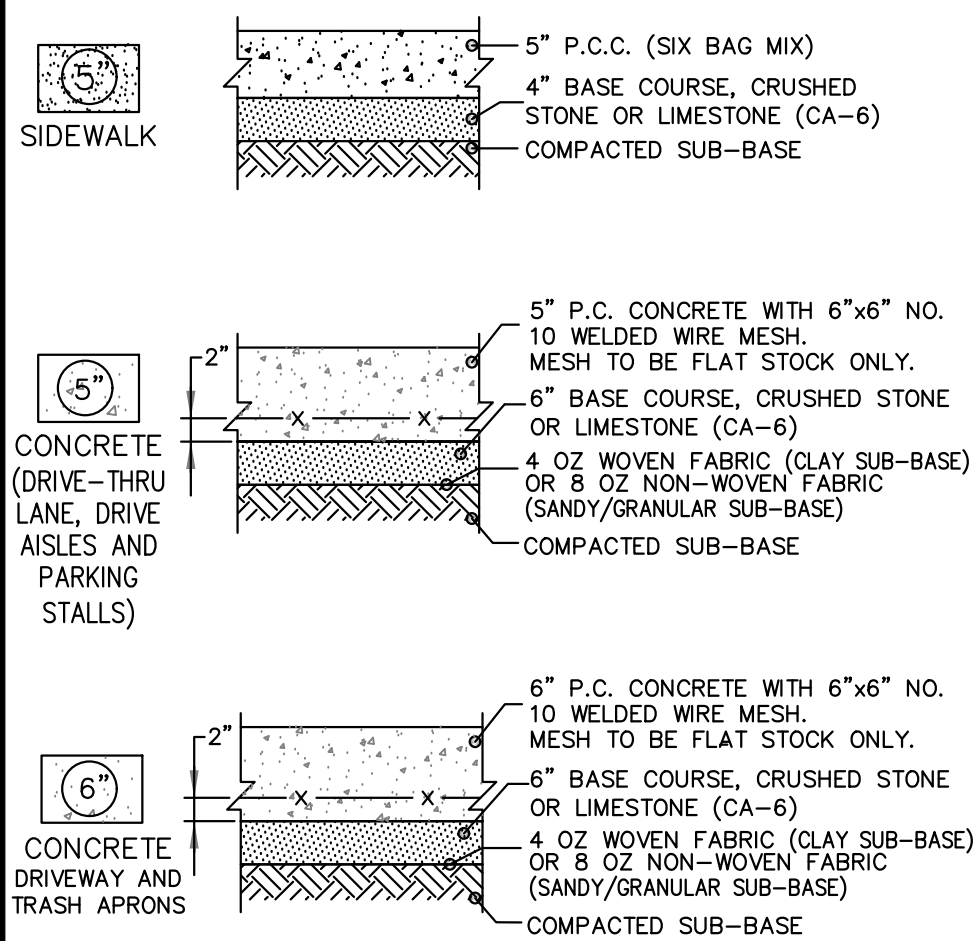
CATCHBASIN 48" TO 72" (I.D.O.T TYPE "A")



CATCHBASIN 48" TO 72" (FLAT TOP)

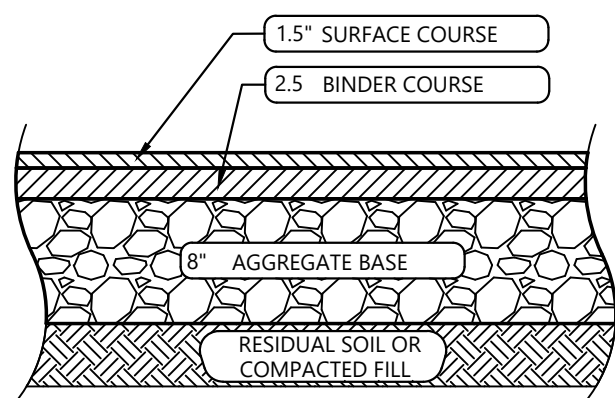
PROJECT DETAILS

PAVEMENT LEGEND



NOTES:

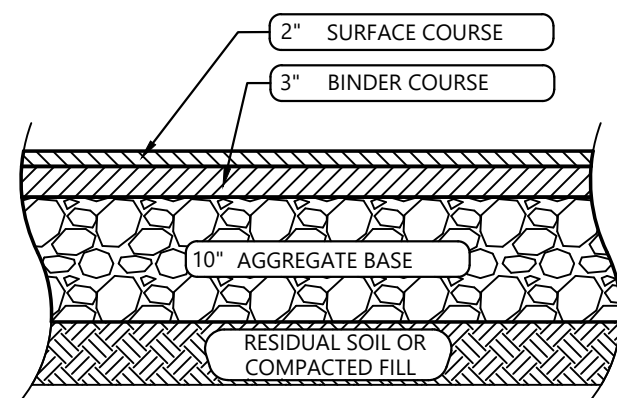
1. REFERENCE I.D.O.T. STANDARD SPECIFICATIONS (LATEST EDITION) SECTION 406 FOR BINDER & SURFACE COURSES AND SECTION 351 FOR AGGREGATE BASE COURSE.
2. THE APPLICATION RATES FOR THE PRIME COAT AND TACK COAT SHALL BE 0.30 AND 0.10 GALLONS PER SQUARE YARD, RESPECTIVELY.
3. SEE PROJECT SPECIFICATIONS FOR SUB-BASE AND BASE COURSE COMPACTION.
4. ALL CONCRETE FLATWORK TO INCLUDE A JOINTING PATTERN SUBMITTAL TO THE CONSTRUCTION MANAGER. CONTRACTOR TO STAY AS CLOSE TO 9'x9' SQUARE PANELS IN LARGE CONCRETE FLATWORK AREAS AS POSSIBLE.
5. FOR SIDEWALKS, PROVIDE TOLLED JOINTS AT 5' O.C., CONSTRUCTION JOINTS AT 15' O.C., EXPANSION JOINTS AT 45' O.C.
6. PROVIDE AN EXPANSION JOINT ADJACENT TO ALL STRUCTURES. THESE JOINTS SHOULD BE SEALED WITH A TOOL-FINISHED SILICONE SEALANT PER I.D.O.T. STANDARD.



THIS PAVEMENT DETAIL IS BASED ON THE GEOTECHNICAL REPORT FOR PROPOSED McDONALD'S 12-2773 - POPLAR GROVE IL, BY ECS MIDWEST, LLC, DATED 8/15/2025. THE CONTRACTOR SHOULD CLARIFY ANY DISCREPANCY BETWEEN THE GEOTECHNICAL REPORT AND THIS DETAIL PRIOR TO BIDDING OR CONSTRUCTING.

STANDARD DUTY ASPHALT PAVING SPECIFICATION

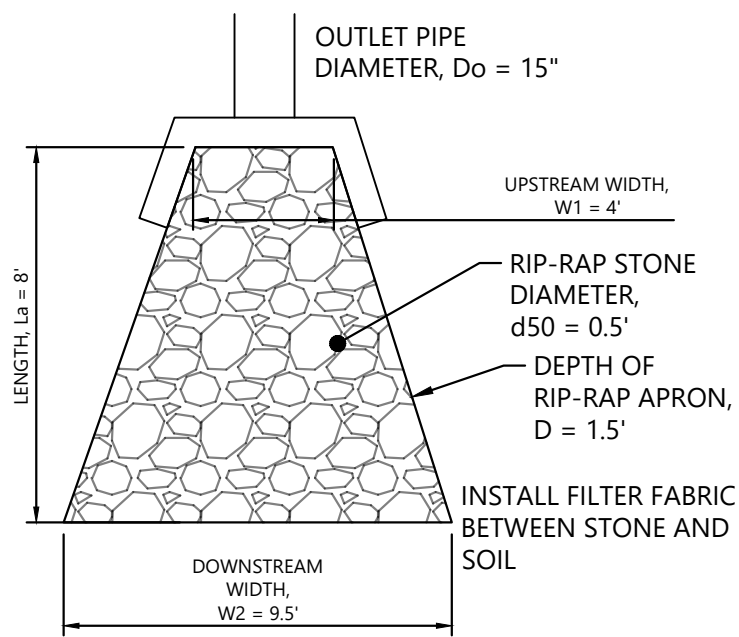
N.T.S.



THIS PAVEMENT DETAIL IS BASED ON THE GEOTECHNICAL REPORT FOR PROPOSED McDONALD'S 12-2773 - POPLAR GROVE II, BY ECS MIDWEST, LLC, DATED 8/15/2025. THE CONTRACTOR SHOULD CLARIFY ANY DISCREPANCY BETWEEN THE GEOTECHNICAL REPORT AND THIS DETAIL PRIOR TO BIDDING OR CONSTRUCTING.

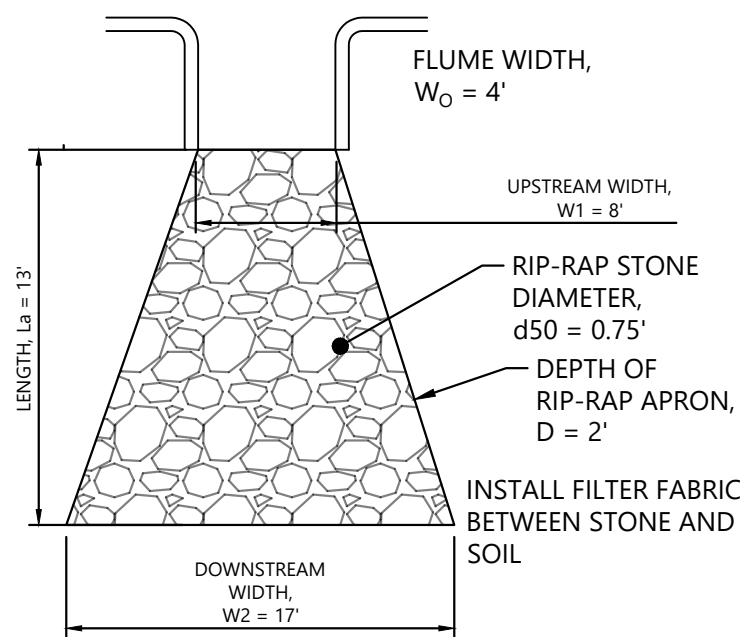
HEAVY DUTY ASPHALT PAVING SPECIFICATION

N.T.S.



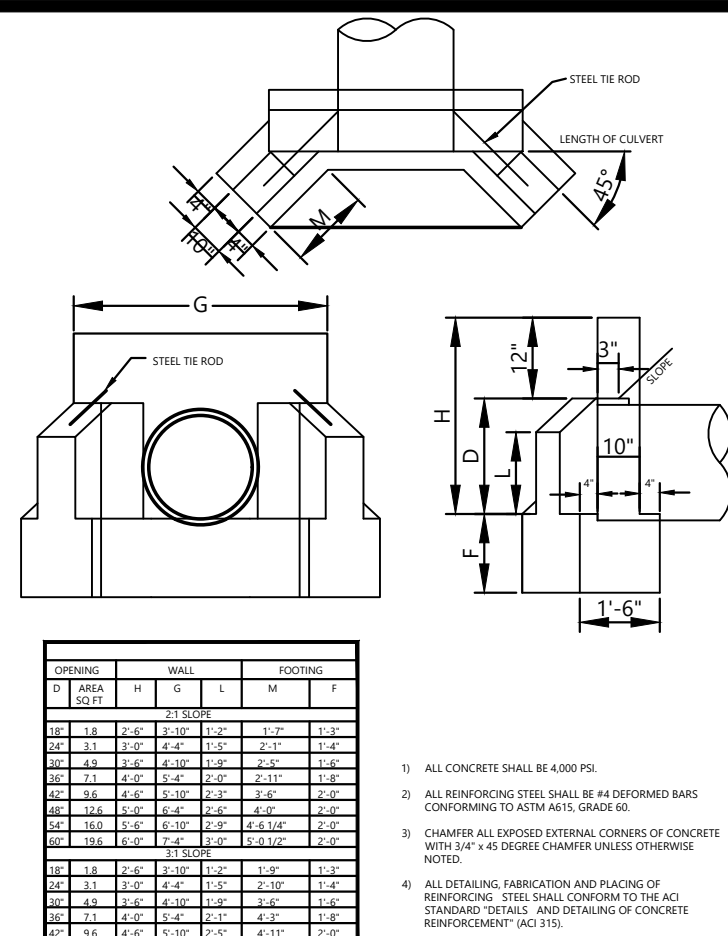
RIP RAP OUTLET
PROTECTION APRON

N.T.S.



RIP RAP FLUME PROTECTION APRON

N.T.S.



PRE-CAST CONCRETE HEADWALL

NTS

PROJECT DETAILS

[illegible]



GENERAL NOTES:

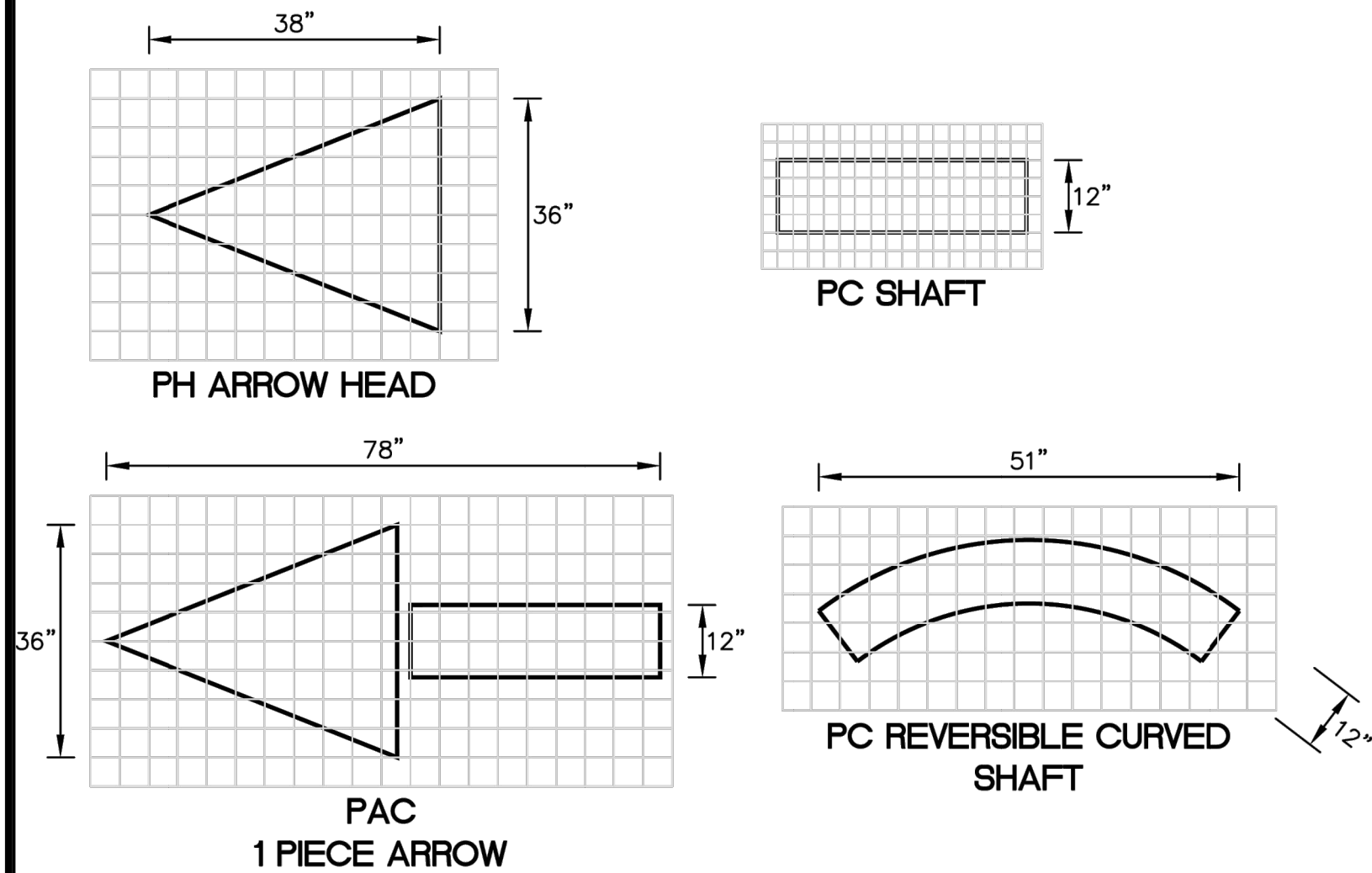
1. THE LOCATION AND ORIENTATION OF MENU BOARDS WERE DETERMINED BY THE SIGHT LINES OF THE CARS. THE CARS WERE POSITIONED ACCORDING TO THE MAX. AMOUNT OF CARS DURING A PEAK PERIOD. ALL DIMENSIONS SHOWN ARE BASED UPON PROTOTYPICAL LAYOUTS SHOWING ACTUAL DIMENSIONS TO BE BASED ON THE SITE SPECIFIC CONFIGURATIONS AND THE REQUIREMENTS OF NOTE 2.
2. THE MEASUREMENT GIVEN FROM THE CENTER OF THE SPRINGBOARD CANOPY TO BE THE CENTER OF THE PRE-BROWSE BOARD IS MEASURED ALONG THE FACE OF CURB.
3. PROVIDE TWO CIRCUITS FOR MENU BOARD AND PRE-VIEW BOARDS. ONE CIRCUIT FOR LIGHTS AND ONE CIRCUIT WITH LOCK FOR MOTOR AND CONTROLLER. REFER TO ARCHITECTURAL/ELECTRICAL PLANS FOR TERMINATION OF CONDUIT RUNS INSIDE BUILDING.
4. ALL GALVANIZED ANCHOR BOLTS TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
5. PLACEMENT NOTE: THE PLACEMENT OF THE CUSTOMER ORDER DISPLAY SHOULD BE SUCH THAT IT DOES NOT BLOCK THE VIEWING OF THE MENU BOARD FROM THE DRIVER'S VANTAGE POINT.
6. VERIFICATION NOTE: VERIFY ALL DRIVE-THRU EQUIPMENT WITH MCDONALD'S PROJECT MANAGER AND OPERATIONS MANAGER BEFORE PROCEEDING.
7. THE REGIONAL CONSTRUCTION MANAGER IS TO REVIEW AND APPROVE ALL DRIVE-THRU LAYOUTS. A DRIVE-THRU IS FINAL, AND CONSIDERED "RED", ONCE APPROVED. NO CHANGES ARE TO BE MADE AFTER THIS POINT.
8. DUE TO THE EXACT GEOMETRY REQUIRED FOR THE EFFICIENT OPERATION OF THIS DRIVE-THRU LAYOUT, IT IS RECOMMENDED THAT ALL DRIVE-THRU EQUIPMENT AND PAVEMENT IMPROVEMENTS TO BE FIELD LOCATED BY A LICENSED SURVEYOR.
9. THE PLACEMENT OF THE C.O.D.S AND ANY ADDITIONAL SIGNAGE SHOULD BE SUCH THAT IT PREVENTS, OR MINIMIZES, BLOCKING THE CUSTOMER'S VIEW OF THE MENU BOARD WHILE ORDERING.
10. IF DIMENSIONS ARE MODIFIED CONTACT DESIGN ENGINEER IMMEDIATELY.
11. VERIFY WITH SUPPLIER OF DRIVE-THRU EQUIPMENT THAT MOST CURRENT EQUIPMENT IS BEING UTILIZED.

DRIVE THRU EQUIPMENT PLAN

[illegible]

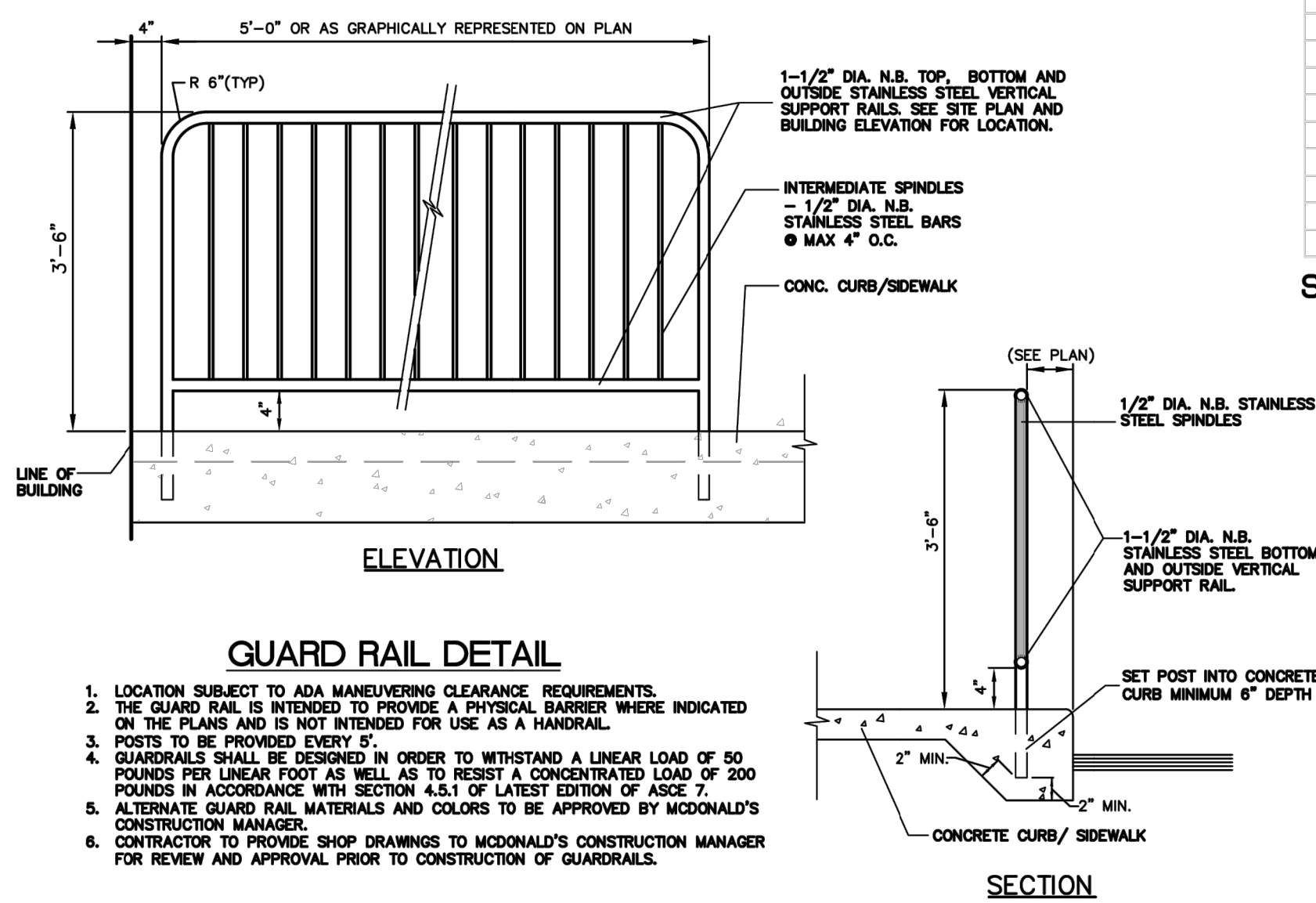
FILE NAME: \\gms\projects\25006700 MCD - 122771 - Poplar Grove IL\DWG\Engineering\04 PRODUCTION\CD\09 DETAILS.dwg LAST SAVED BY: jbrown 8/27/2025 1:31 PM PLOTTED BY: jbrown 10/8/2025 PAPER: ARCH FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF 300DPI PC3 PLOT STYLE: ATWELL.ctb

PARKING LOT ARROWS (MEETS NO STATE OR FEDERAL DESIGN STANDARDS)



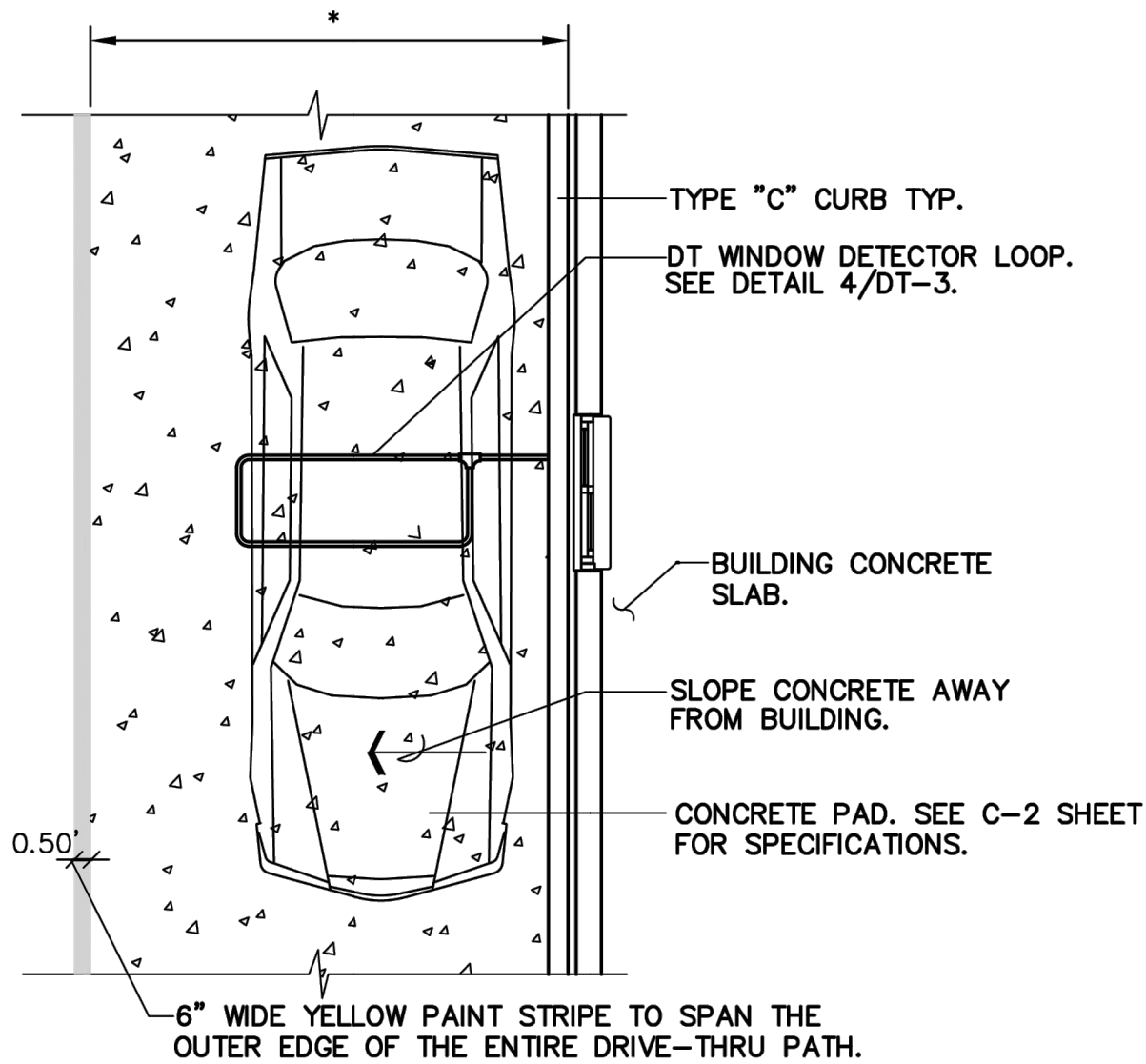
1 TYPICAL PAVEMENT MARKING DETAILS

DT-3



GUARD RAIL DETAIL

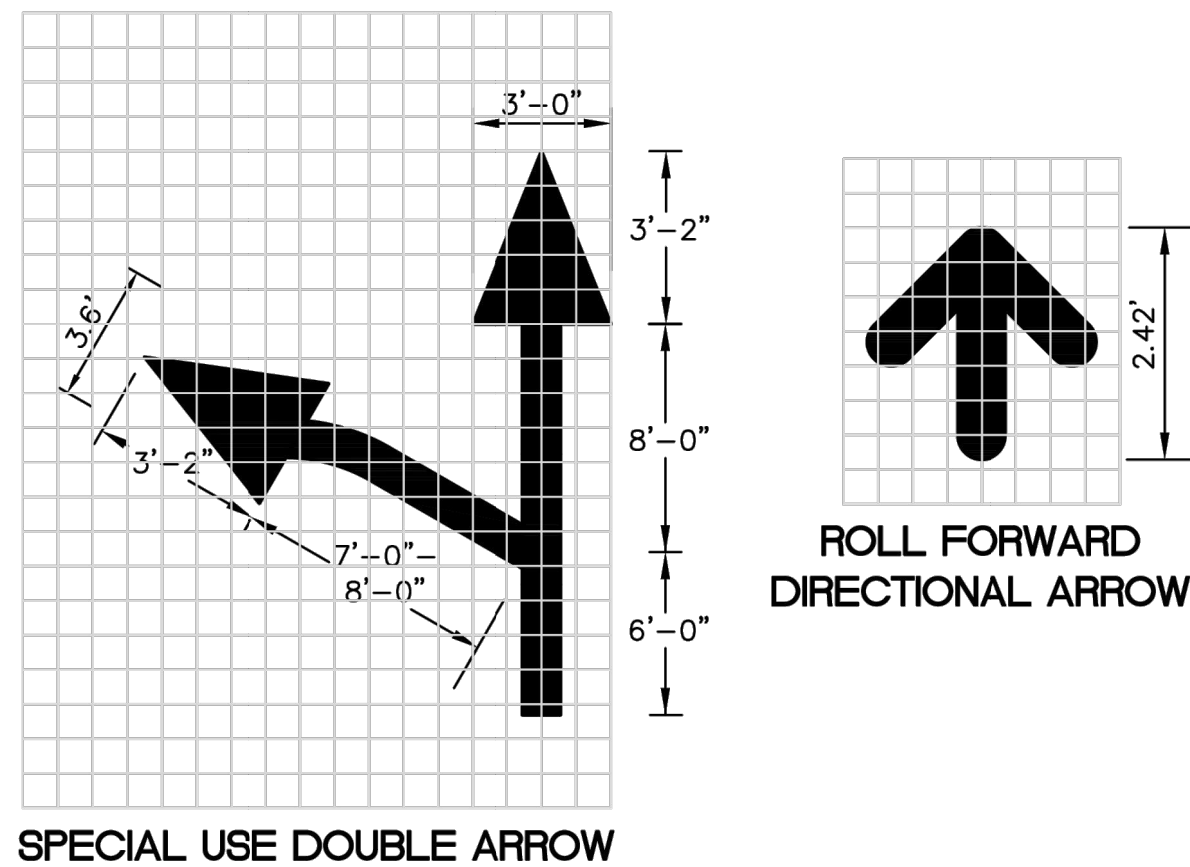
- LOCATION SUBJECT TO ADA MANEUVERING CLEARANCE REQUIREMENTS.
- THE GUARD RAIL IS INTENDED TO PROVIDE A PHYSICAL BARRIER WHERE INDICATED ON THE PLANS AND IS NOT INTENDED FOR USE AS A HANDRAIL.
- POSTS TO BE PROVIDED EVERY 6'.
- GUARDRAILS SHALL BE DESIGNED IN ORDER TO WITHSTAND A LINEAR LOAD OF 50 POUNDS PER LINEAR FOOT AS WELL AS TO RESIST A CONCENTRATED LOAD OF 200 POUNDS IN ACCORDANCE WITH SECTION 4.5.1 OF LATEST EDITION OF AASHTO.
- ALTERNATE GUARD RAIL MATERIALS AND COLORS TO BE APPROVED BY MCDONALD'S CONSTRUCTION MANAGER.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS TO MCDONALD'S CONSTRUCTION MANAGER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF GUARDRAILS.



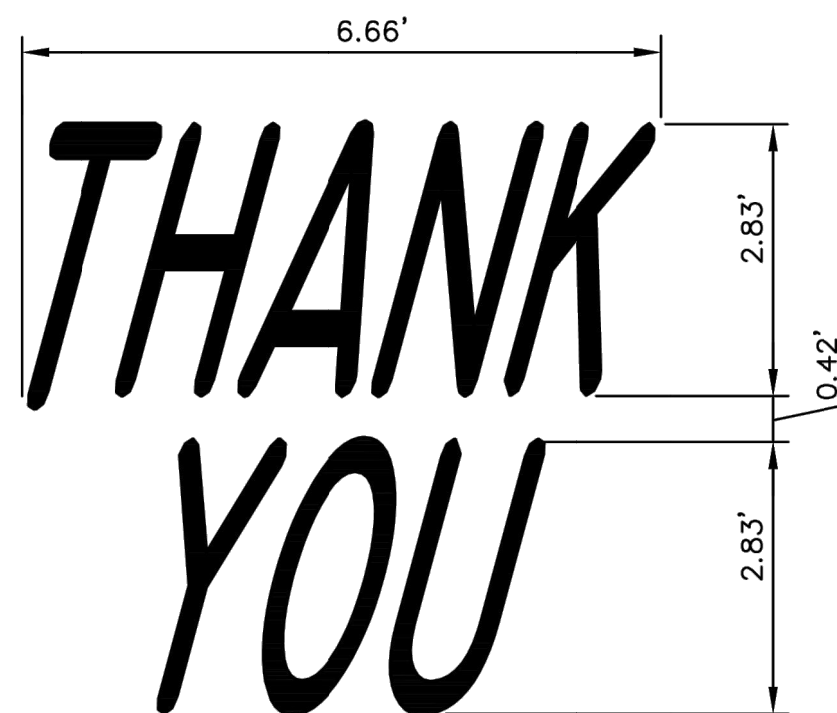
* FOR DIMENSIONS OF DRIVE-THRU LANE CONCRETE PAD, SEE C-2 SHEET FOR SPECIFICATIONS.

5 DRIVE-THRU CONCRETE PAD DETAIL

DT-3



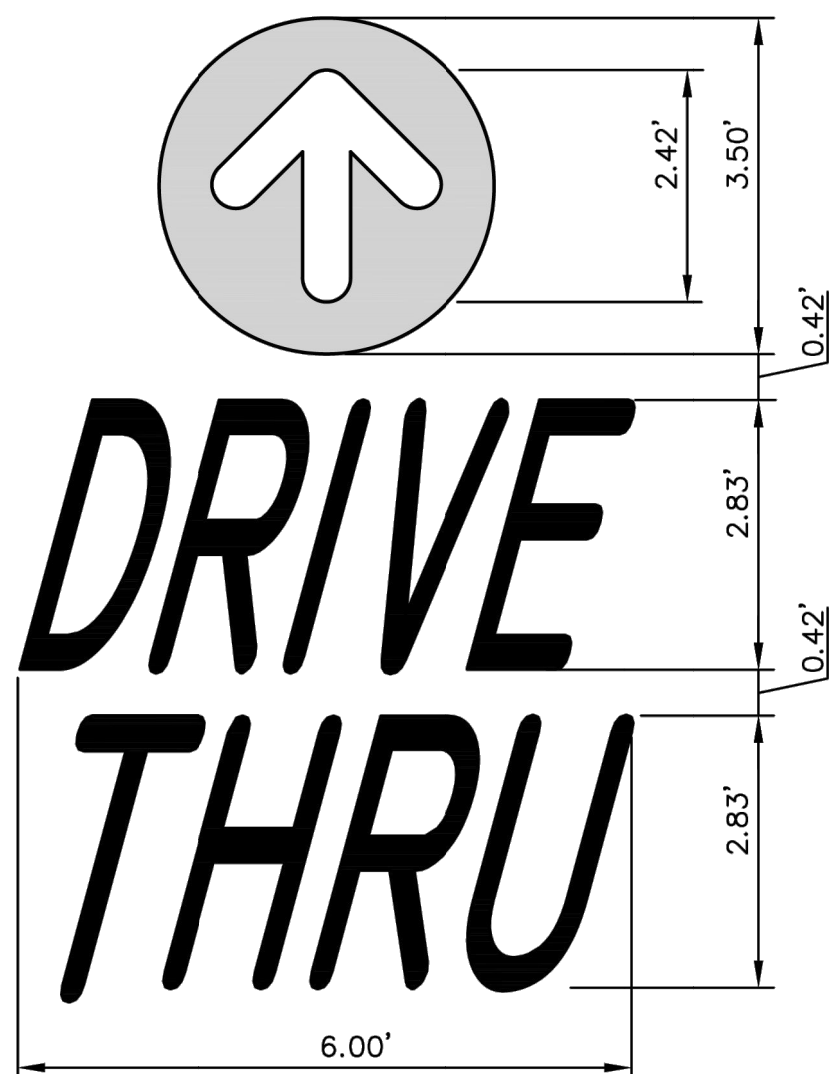
SPECIAL USE DOUBLE ARROW



NOTE: ALL TEXT SHALL BE PAINTED TO MATCH PMS 123 YELLOW

3 PAINTED 'THANK-YOU' DETAIL

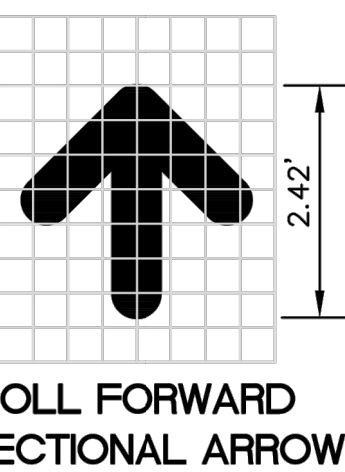
DT-3



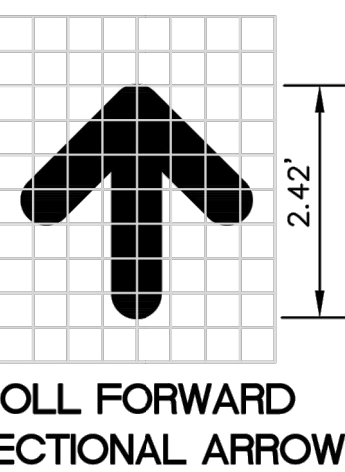
NOTE: ALL TEXT AND ARROW SHALL BE PAINTED TO MATCH PMS 123 YELLOW

2 PAINTED 'DRIVE-THRU' WITH ARROW DETAIL

DT-3



ROLL FORWARD DIRECTIONAL ARROW

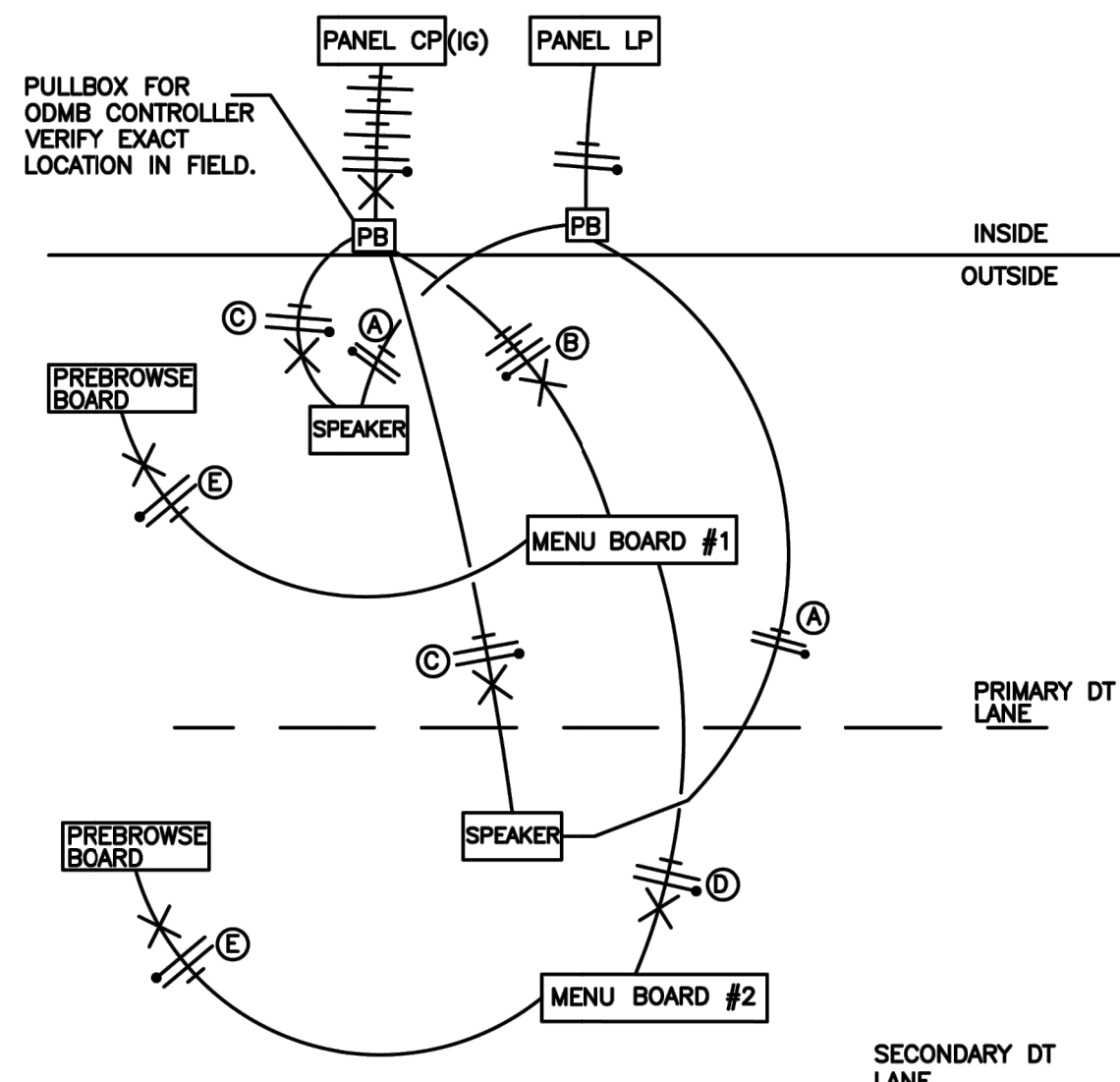


NOTES:

- VERIFY CONDUIT SIZES AND LAYOUT WITH DETECTOR LOOP MANUFACTURER.
- CENTER VEHICLE DETECTOR LOOP IN DRIVE THRU LANE. INSTALL PER MFR. RECOMMENDATIONS.
- NO STEEL (REBAR OR ELECTRICAL WIRE) SHALL BE USED WITHIN 2' OF LOOP.
- DETECTOR LOOP MANUFACTURERS: DETECTOR LOOPS MAY BE BY ONE OF THE FOLLOWINGS COMPANIES OR EQUAL.
3M: 1-800-328-0033
HME: 1-800-848-4468
- DETECTOR LOOP MATERIAL: PVC TUBING 1/2" I.D. 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GAUGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY.
- DETECTOR LOOP CONSTRUCTION: FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS DETAILED. WIRE LOOPED, FORMED, & PIGTAILED AS DETAILED.

4 DETECTOR LOOP DETAILS

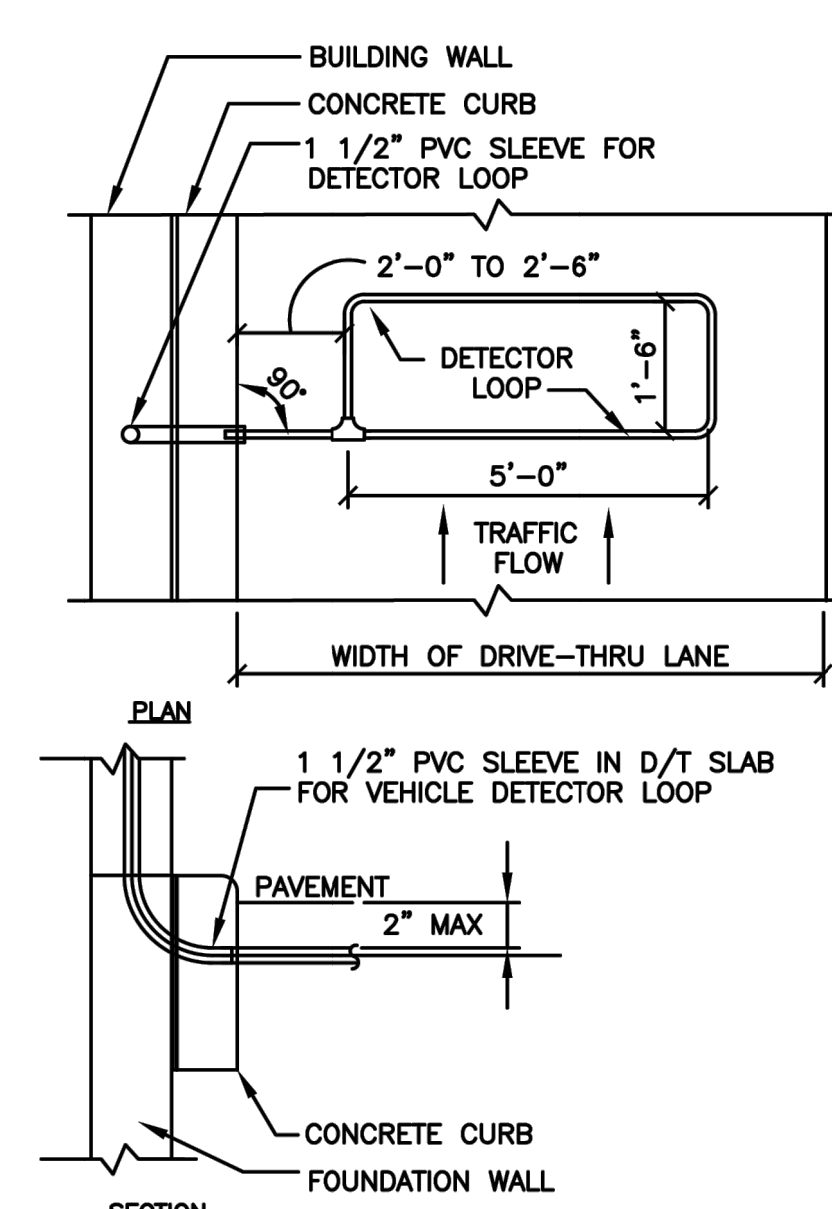
DT-3 NOT TO SCALE



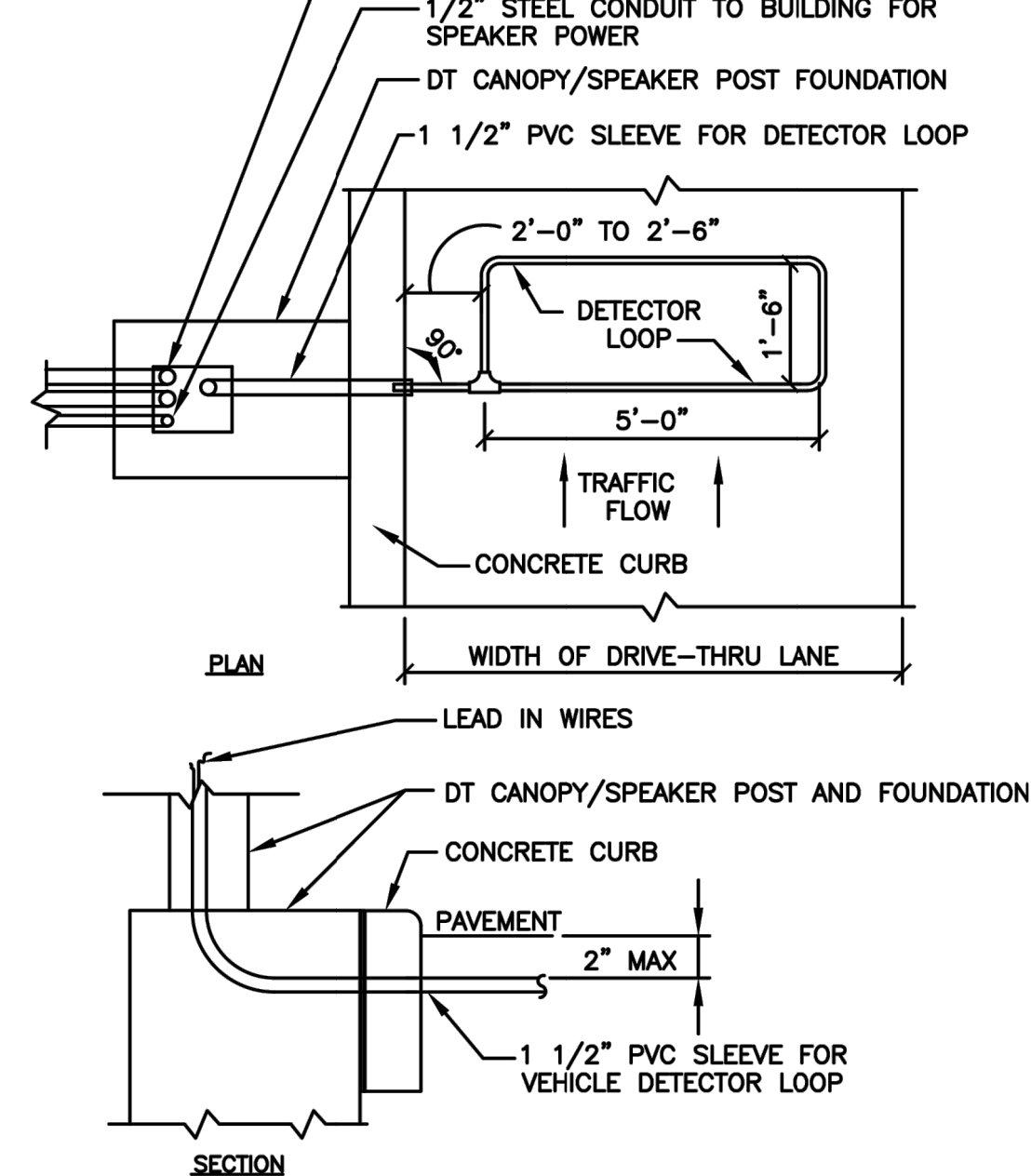
6 DRIVE THRU POWER DIAGRAM

DT-3

NOT TO SCALE



B - DT WINDOW DETECTOR LOOP



A - DT CANOPY/SPEAKER DETECTOR LOOP

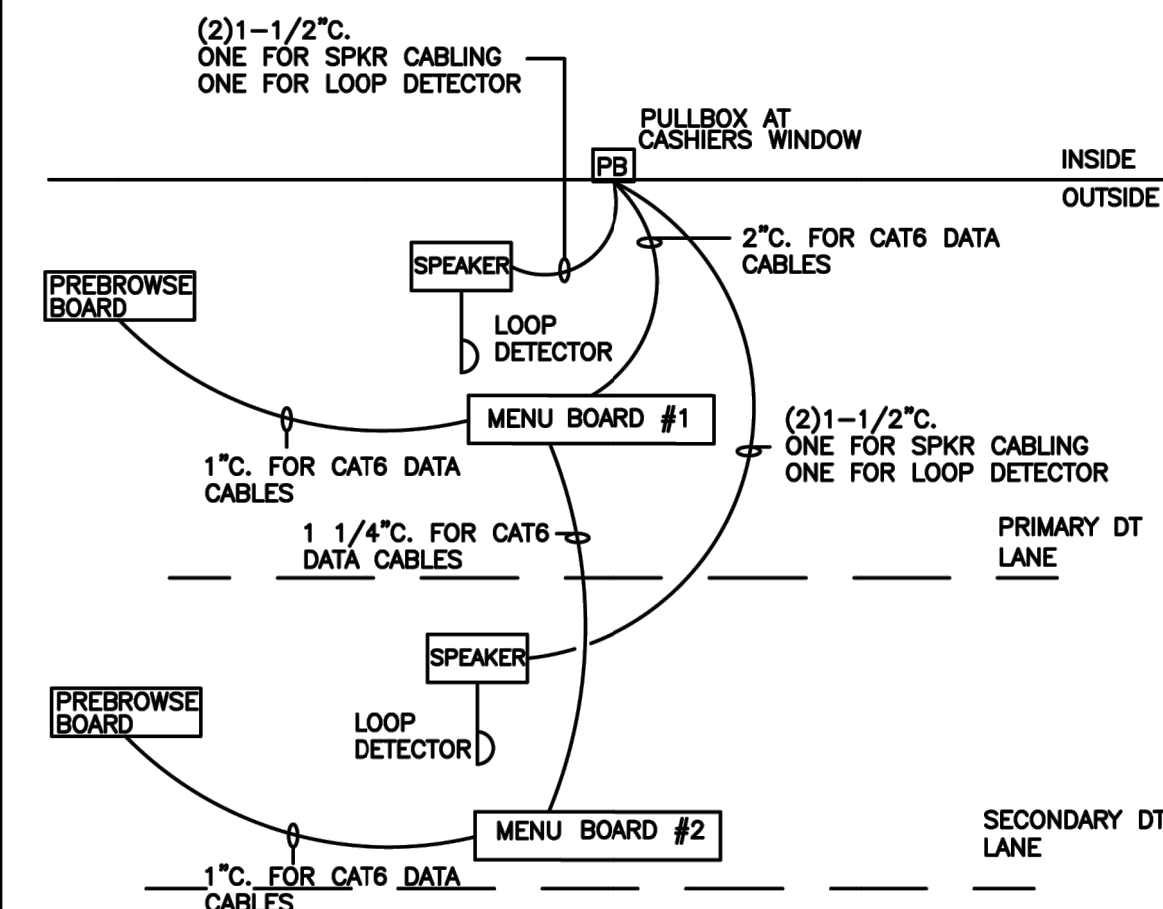
NOTE:

* VERIFY EXACT CIRCUITS & QUANTITIES OF CIRCUITS WITH PANEL SCHEDULES AND MANUFACTURERS INSTALLATION INSTRUCTIONS.

FOR EXISTING LOCATIONS:
* VERIFY EXISTING CP PANEL HAS AMPACITY AND SUFFICIENT SPARES/SPACE FOR TWO (2) NEW 20A/1P CIRCUITS. UPGRADE CP PANEL TO 42 CIRCUITS IF NECESSARY.

* VERIFY EXISTING PULLBOXES ARE SIZED FOR NEW CONDUIT ROUTING. MODIFY PULLBOXES IF NECESSARY.

- A) 2#12 & 1#12 GND. TO LP-1 FOR COD CANOPY LIGHTING.
- B) 4#12 & 1#12 GND & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO MENUBOARDS AND MEDIA PLAYERS.
- C) 2#12 & 1#12 GND & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO COD'S. EACH COD SHALL BE ON ITS OWN SEPARATE CIRCUIT.
- D) 2#12 & 1#12 GND & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO MENUBOARDS AND MEDIA PLAYERS.
- E) 2#12 & 1#12 GND & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO FOR PRE-BROWSE BOARDS AND MEDIA PLAYER.



7 DT LOW VOLTAGE CONDUIT DIAGRAM

DT-3

NOT TO SCALE

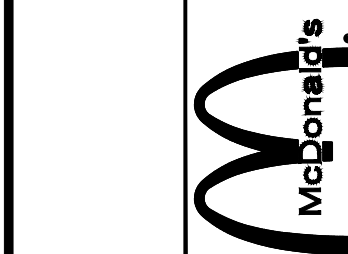
DRIVE-THRU DETAILS



PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONVILLE, MO 64609

24 HOUR
EMERGENCY CONTACT
NAME
PHONE

McDonald's
110 N. Carpenter St.
Chicago, IL 60607
McDonald's - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS

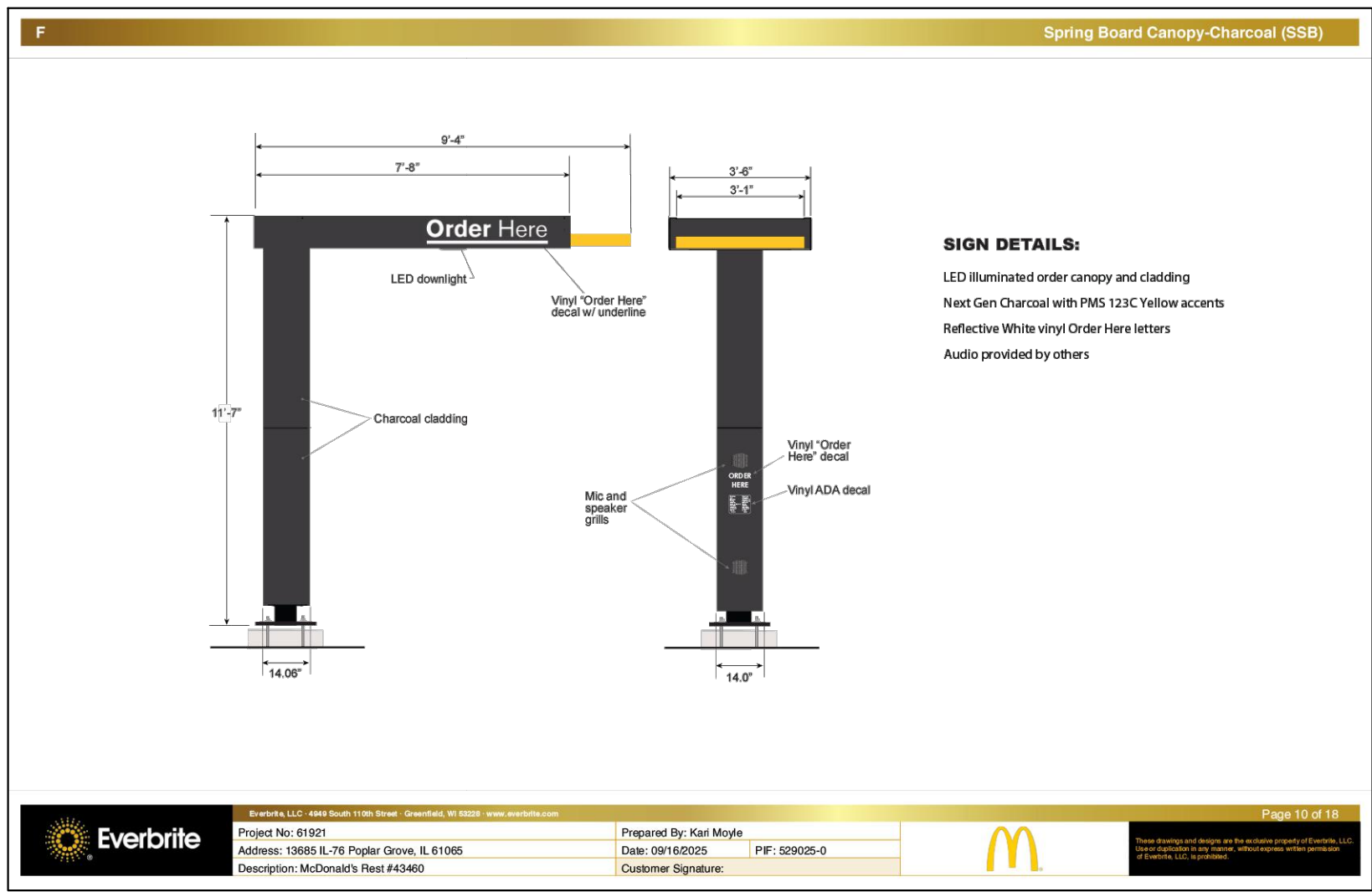


REV	DATE	DESCRIPTION
1	12/09/2025	FOR SPECIAL USE PERMIT APPLICATION

PROJECT NO. 25006700

SHEET NO. DT-3

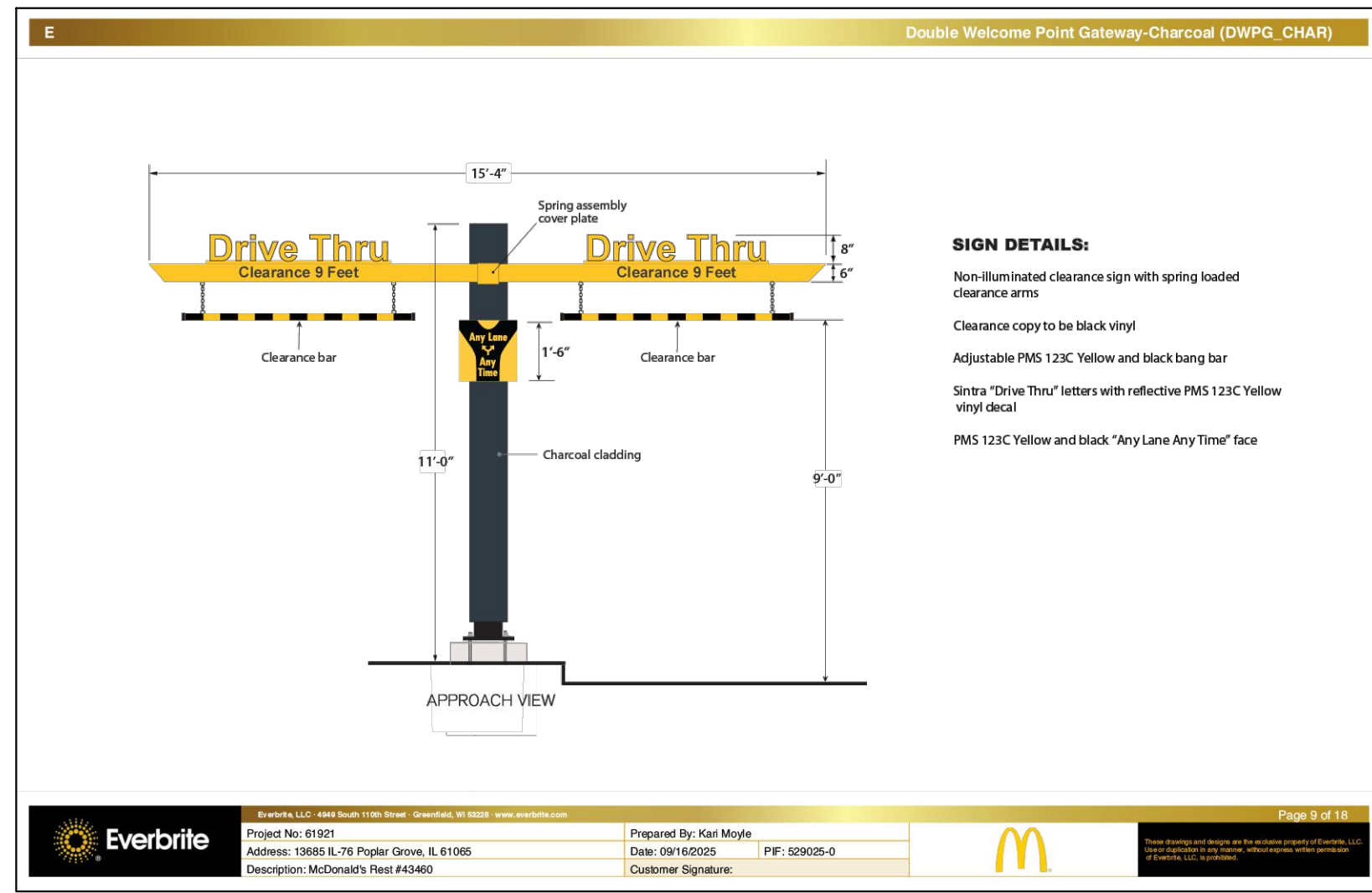
FILE NAME: U:\gmh3\projects\25006700 MCD - 122773 - Poplar Grove IL\DWG\Engineering\04 PRODUCTION\700 DETAILS.dwg LAST SAVED BY: jbrown 8/27/2025 1:31 PM PLOTTED BY: Logan Brown 10/13/2025 PAPER: ARCH-FULL BLEED D (24.00 X 36.00 INCHES) DEVICE: DWG TO PDF PC3 ROT STYLE: ATWELL.ctb



1 DRIVE-THRU SPRINGBOARD CANOPY



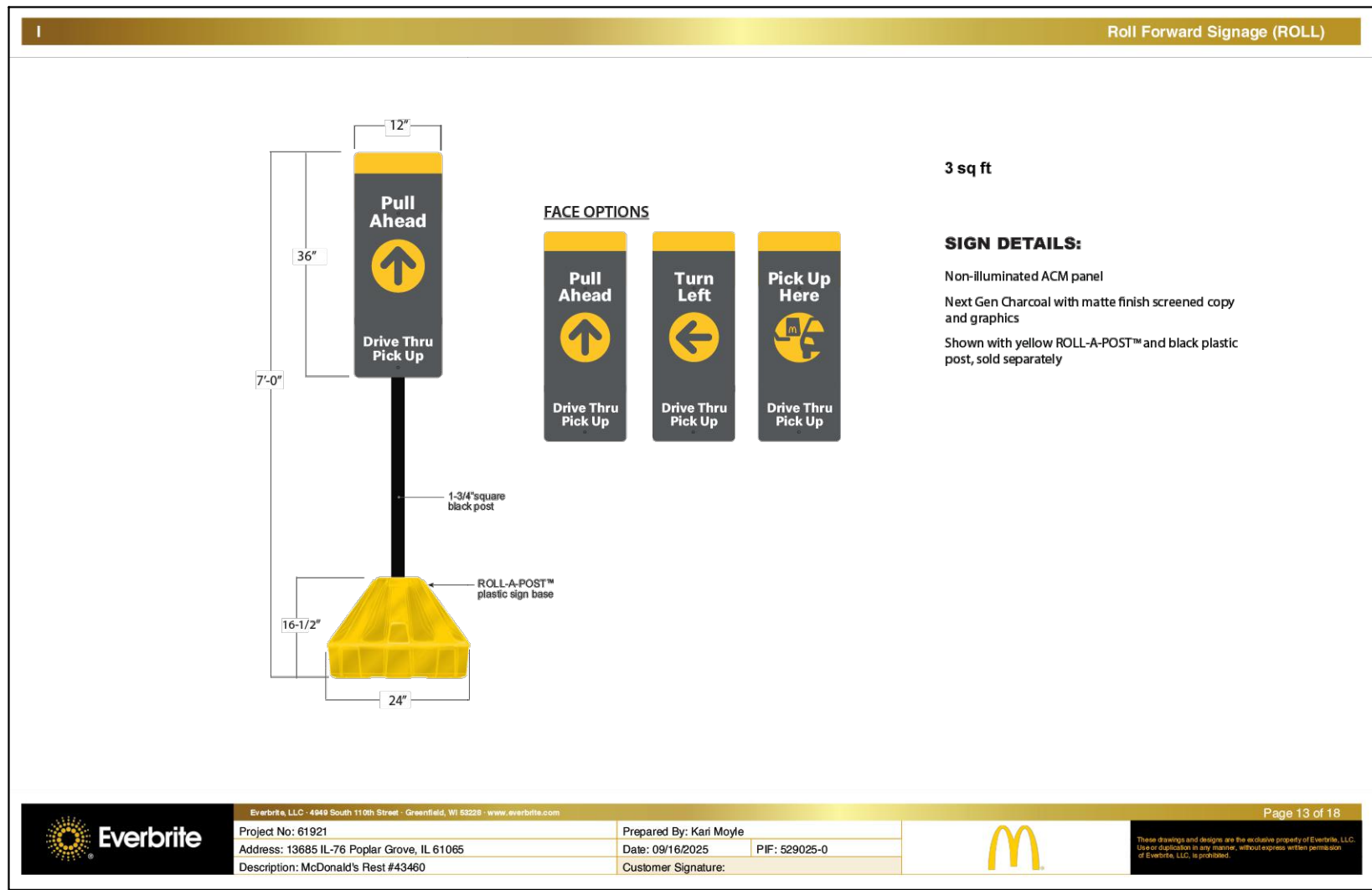
2 ODMB MENU BOARD ELEVATIONS



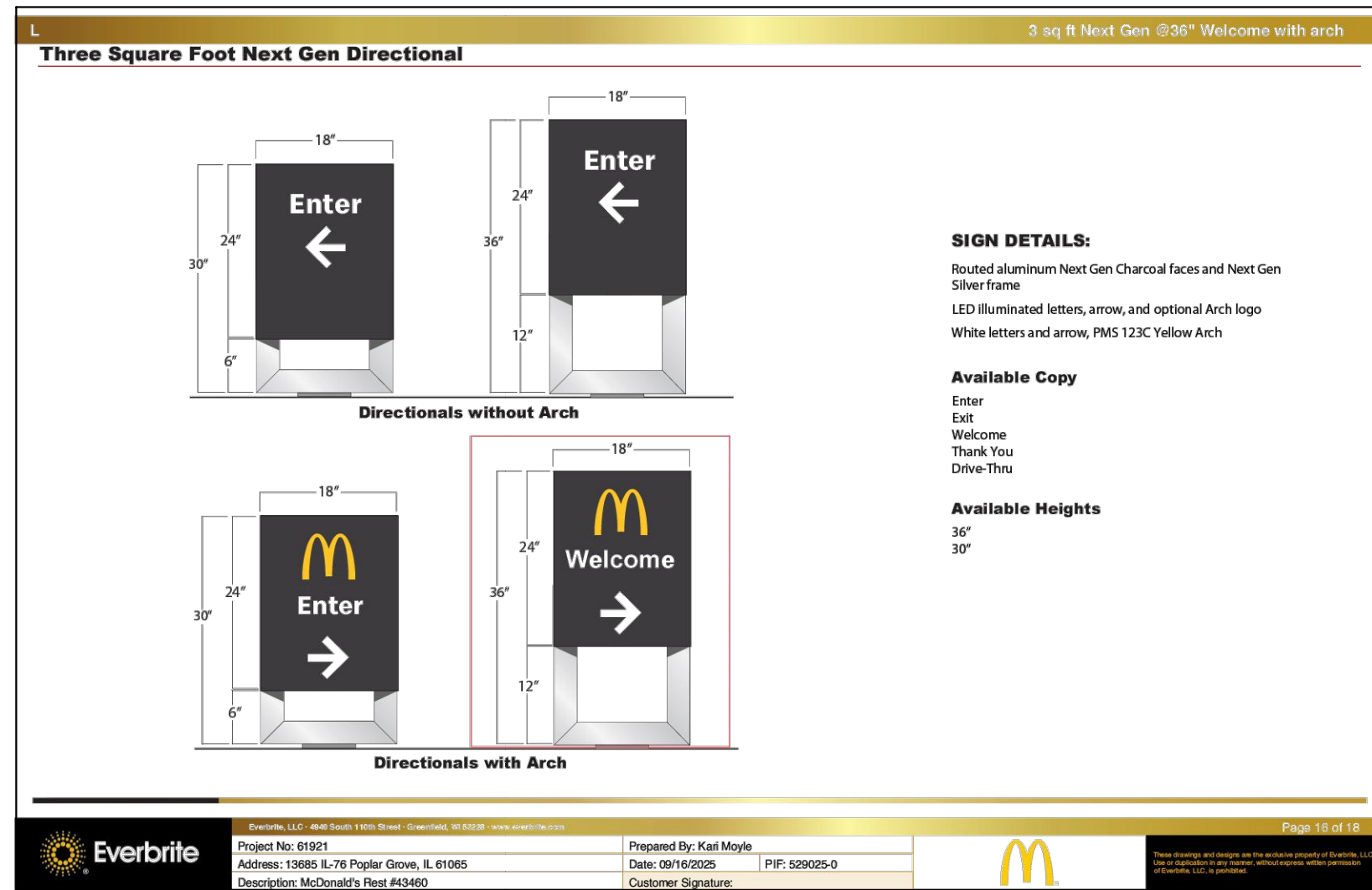
3 DOUBLE WELCOME POINT GATEWAY



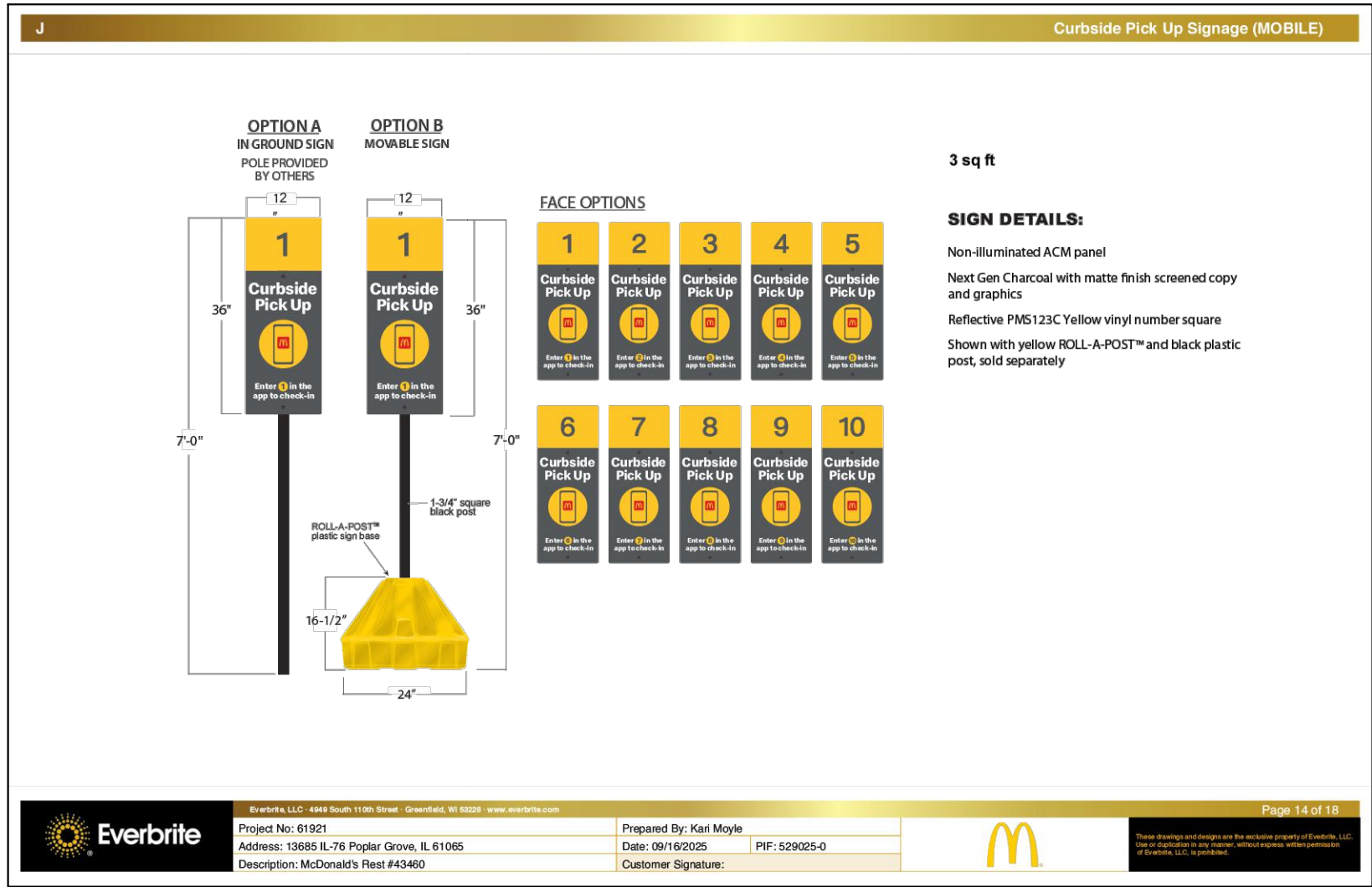
4 OUTDOOR DIGITAL PRE-BROWSE BOARD



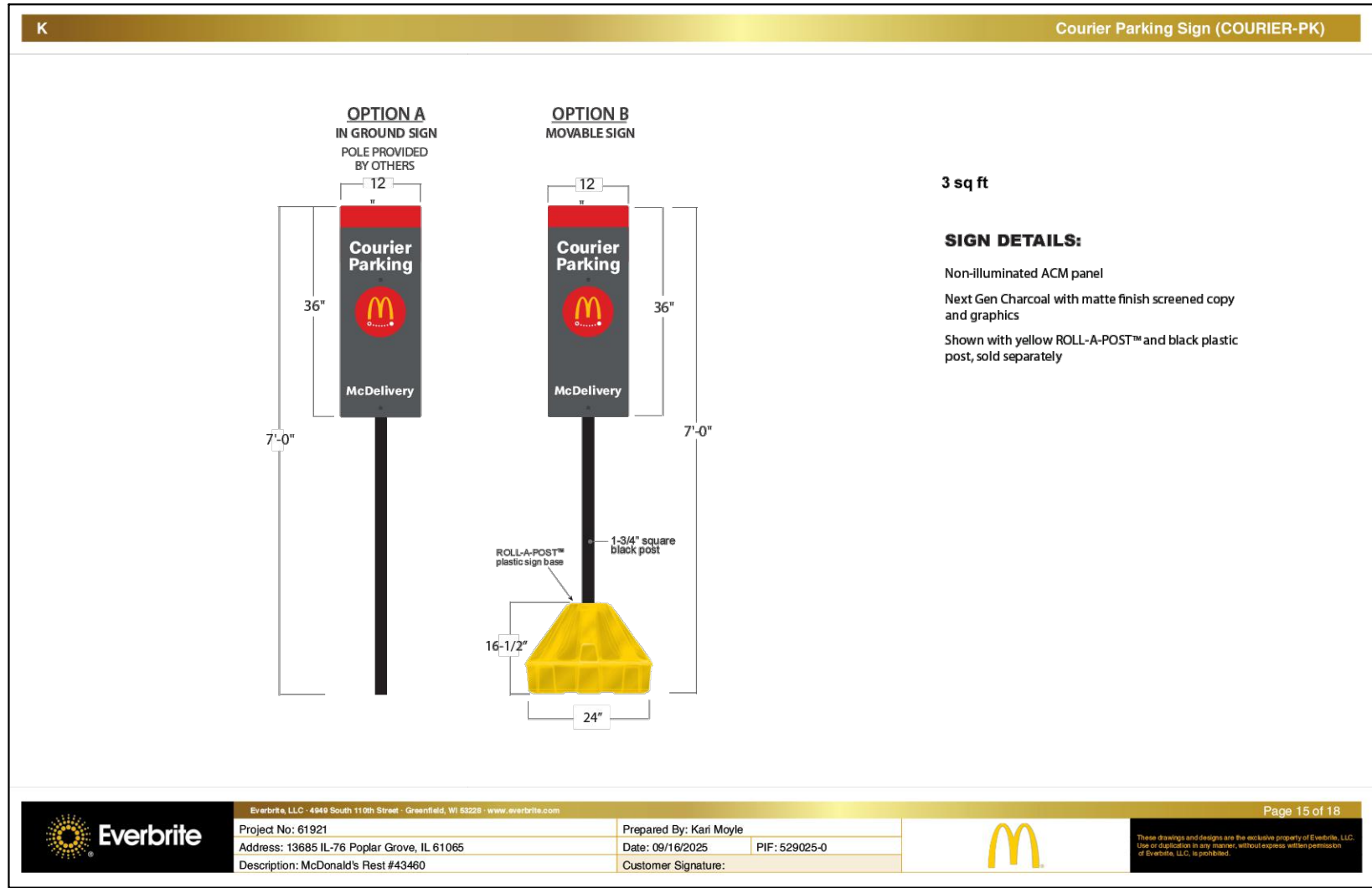
5 ROLL FORWARD SIGN AND BOLLARD



6 DIRECTIONAL SIGNS



7 READY ON ARRIVAL SIGN AND BOLLARD



8 McDELIVERY SIGN AND BOLLARD



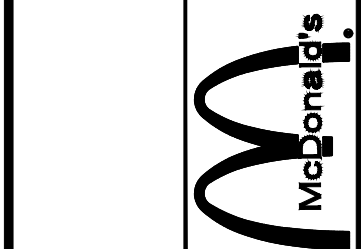
9 DRIVE-THRU TRELLIS DECALS

DRIVE-THRU DETAILS



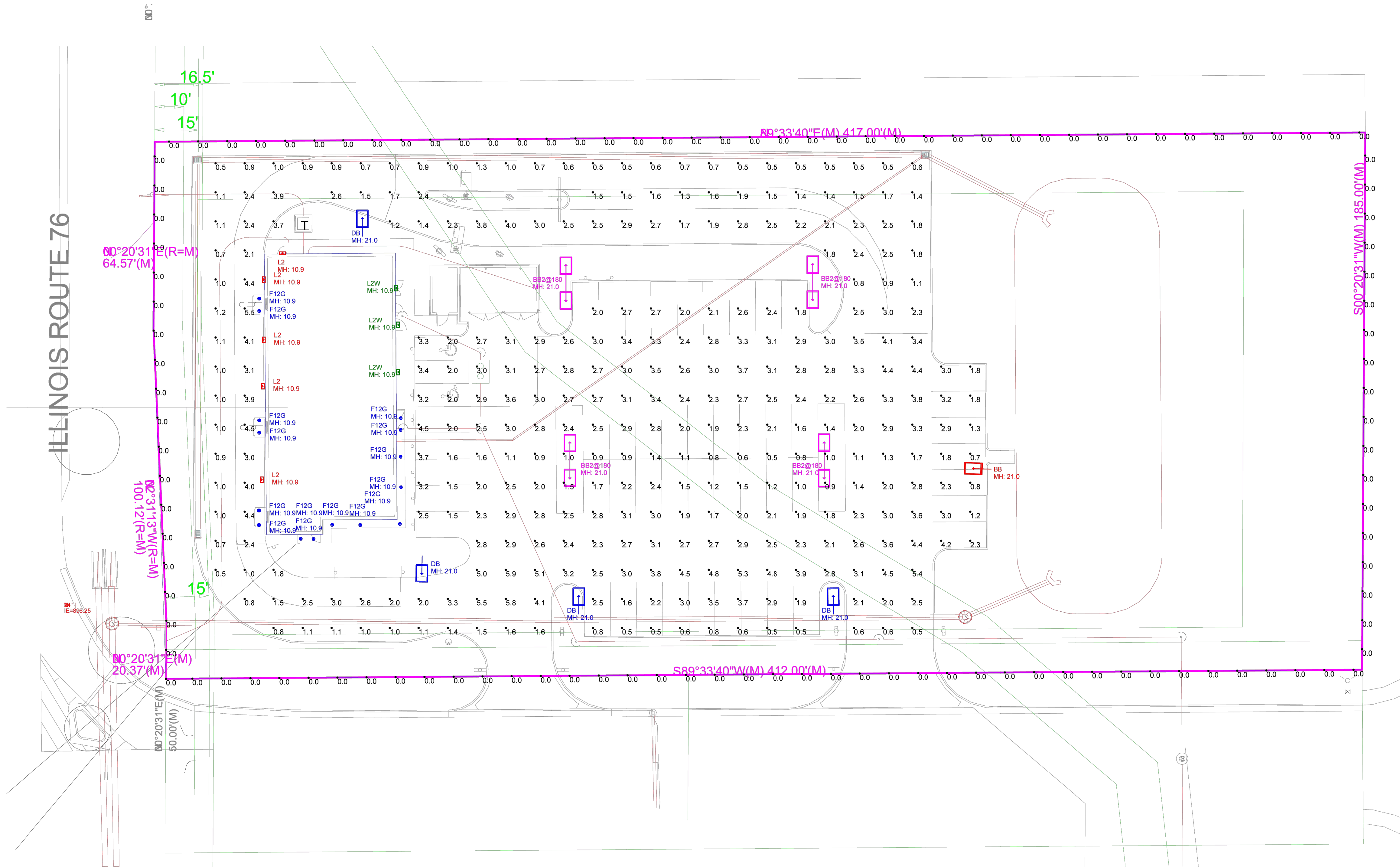
PROJECT ADDRESS
13675 ILLINOIS ROUTE 76
VILLAGE OF POPLAR GROVE
BOONE COUNTY
24 HOUR
EMERGENCY CONTACT
NAME
PHONE

McDonald's
110 N. Carpenter St.
Chicago, IL 60607
McDONALD'S - POPLAR GROVE, IL
13675 ILLINOIS ROUTE 76
POPLAR GROVE, ILLINOIS



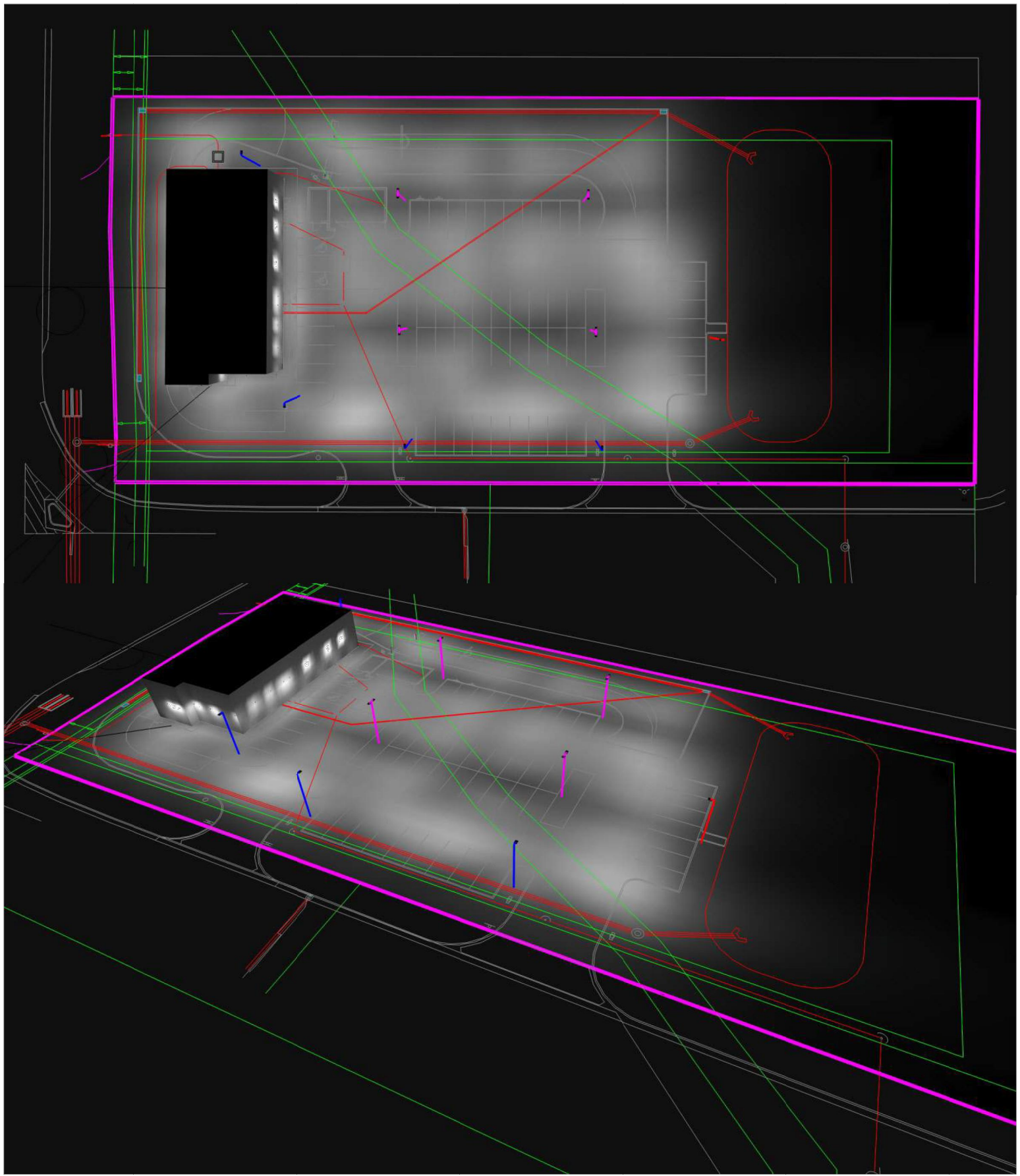
REV	DATE	DESCRIPTION
1	10/10/2025	FOR SPECIAL USE PERMIT APPLICATION
2		
3		
4		
5		
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7		
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9		
10		

PROJECT NO. 25006700
SHEET NO. DT-4



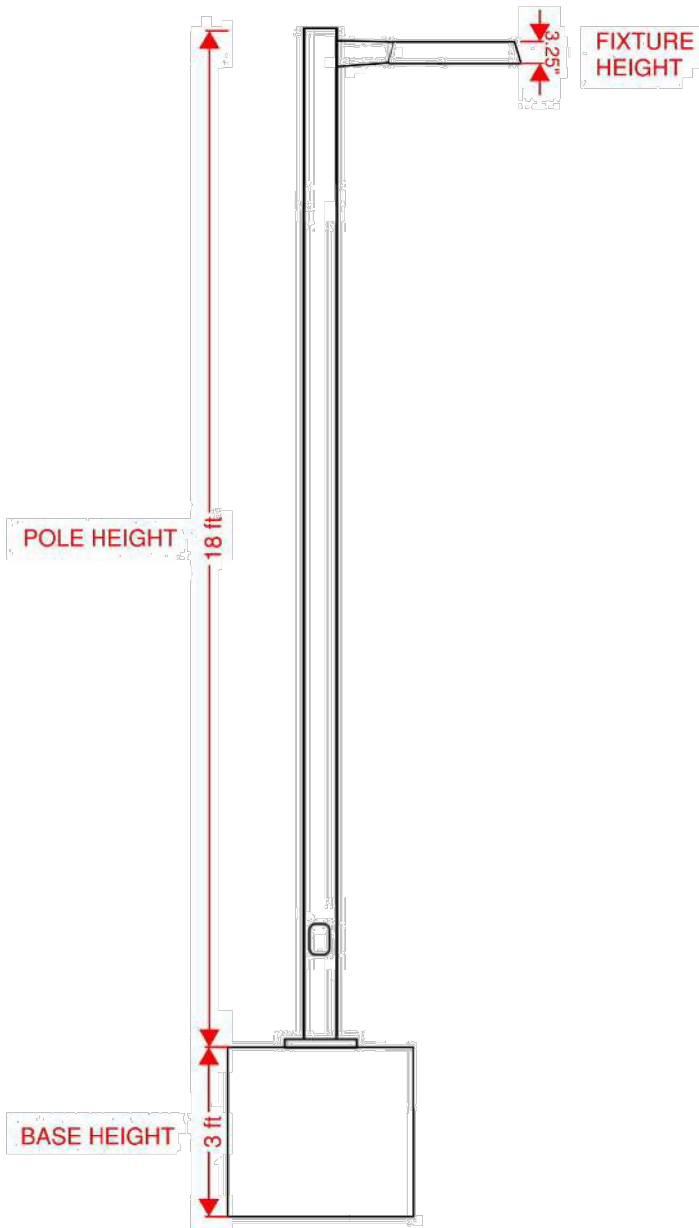
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAVED SURFACE READINGS	Illuminance	Fc	2.24	5.9	0.5	4.48	11.80
Propertyline	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	EPA	Mtg Height	Pole Type
	1	BB	Single	0.850	RAR-1-160L-100-5K7-4W-BC	90	0.607	21	SES-18-40-1-TA-GL-xx (4")
	4	BB2@180	Back-Back	0.850	RAR-1-160L-100-5K7-4W-BC	90	1.214	21	SES-18-40-1-TA-GL-xx (4")
	4	DB	Single	0.850	RAR-1-160L-100-5K7-2-BC	90	0.607	21	SES-18-40-1-TA-GL-xx (4")
	15	F12G	Single	0.850	8542-5CCT-5000K	12.45			
	5	L2	SINGLE	0.850	RWSC-36L-5K-DO-U-PS	14.4			
	3	L2W	SINGLE	0.850	RWSC-36L-5K-DO-U-WH	14.4			



- NOTES:
1. THE FOOTCANDLE LEVELS AS SHOWN ARE BASED ON THE FOLLOWING CRITERIA. ANY SUBSTITUTIONS IN SPECIFIED FIXTURES OR CHANGES TO LAYOUT WILL AFFECT LIGHTING LEVELS SHOWN AND WILL NOT BE THE RESPONSIBILITY OF SECURITY LIGHTING.
 2. DISTANCE BETWEEN READINGS = 10'

Pole Fixtures Are Full Cutoff
Tilt=0
Calculation Grids Are At Grade
Pole Light Mounting Height=21ft
(18' Pole + 3' Base)



Lighting Ord

Max Prop line 0FC

Max Avg 2.4FC

Max/min 20/1

Min point 0,.2FC

Regional Drawing
122773

1. THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS TO SECURITY LIGHTING SYSTEMS. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.

2. LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.

3. CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.

4. THIS LAYOUT MAY NOT MEET TITLE 24 OR LOCAL ENERGY REQUIREMENTS. IF THIS LAYOUT NEEDS TO BE COMPLIANT WITH TITLE 24 OR OTHER ENERGY REQUIREMENTS, PLEASE CONSULT FACTORY WITH SPECIFIC DETAILS REGARDING PROJECT REQUIREMENTS SO THAT REVISIONS MAY BE MADE TO THE DRAWING.

PROJECT WIND LOAD CRITERIA BASED ON:
ASCE 7-10 WIND SPEEDS (3-SEC PEAK GUST MPH)
50 YEAR MEAN RECURRENCE INTERVAL
ALLOWED EPA 13.6 @ WIND LOAD 90 MPH



2100 Self Road, Suite 400, Rolling Meadows, IL 60069
1-800-344-6848

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

SCALE: 1"=20' 0"

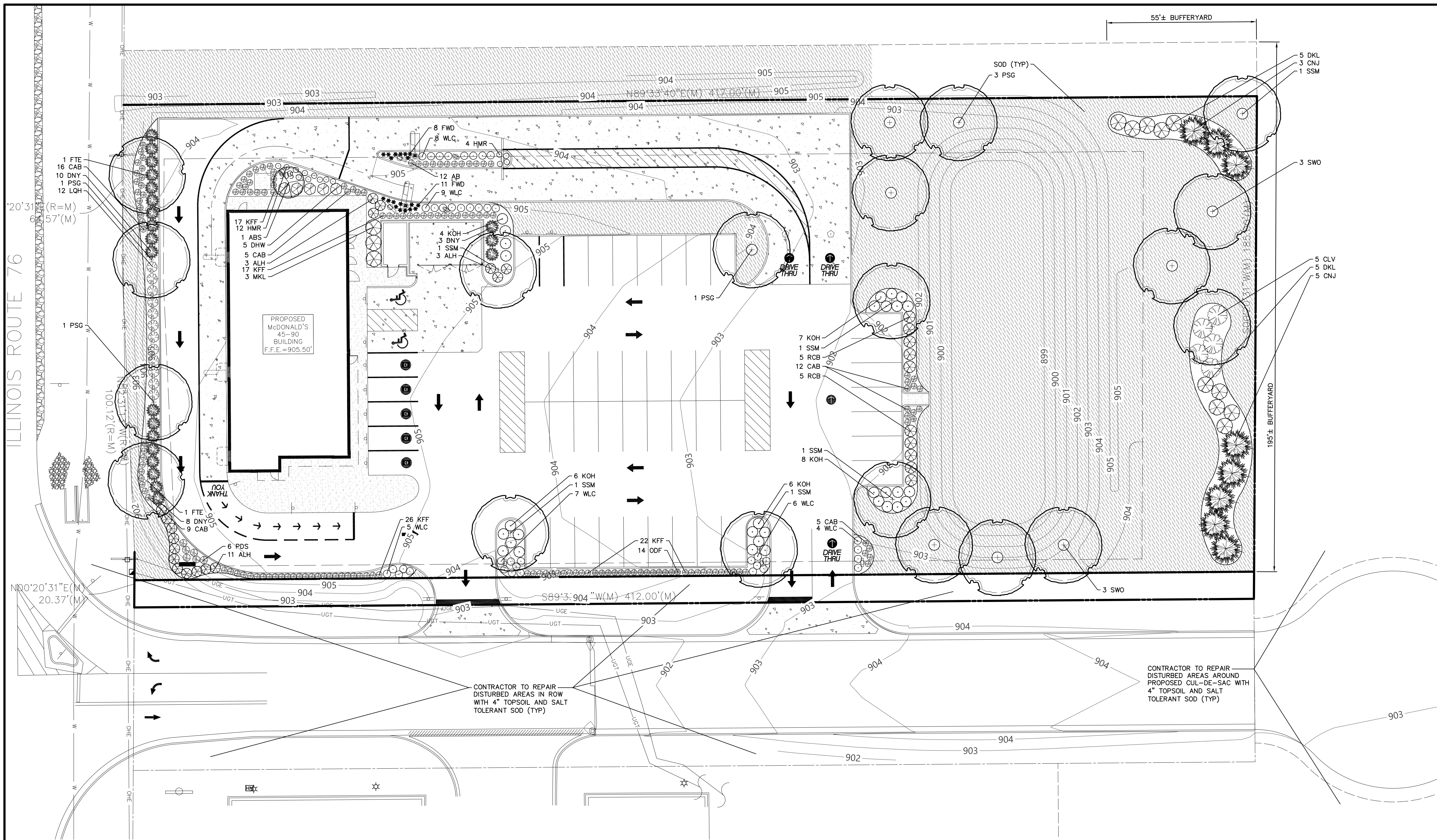
DRAWN BY: CLB

POINT-BY-POINT FOOTCANDLE PLOT FOR
MCDONALD'S
13766 IL-76 POPLAR GROVE, IL 61065

NATIONAL STORE NUMBER
43460

DATE: 10/2/2025
DRAWING NUMBER: A251570C.AGI

THIS DRAWING MEETS OR EXCEEDS MCDONALD'S CURRENT ILLUMINATION SPECIFICATIONS OF A 3-4 FOOTCANDLE AVERAGE, UNLESS SUPERSEDED BY OTHER REQUIREMENTS.



GENERAL NOTES:

1. THESE PLANS ARE BASED ON THE FINAL ENGINEERING PLANS PREPARED BY ATWELL, LLC.
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO CONTACT THE DESIGN ENGINEER AND ARCHITECT TO VERIFY THAT THEY ARE WORKING FROM THE MOST CURRENT SET OF PLANS AND SPECIFICATIONS.

LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE HARDY TO THE ZONE IT IS BEING PLANTED IN. ALL TREES AND SHRUBS ARE TO BE BALLED AND BURLAPED UNLESS OTHERWISE NOTED AND SHALL BE GROWN IN ACCORDANCE WITH THE STANDARDS SET FORTH BY THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY AMERICANHORT.
2. PLANT SIZES CALLED OUT ON THIS PLAN ARE THE MINIMUM SIZE REQUIRED. PLANTS WHICH FAIL TO MEET THE SIZES LISTED, SHALL BE REJECTED AT THE EXPENSE OF THE CONTRACTOR.
3. CONTRACTOR MUST VERIFY ALL MATERIAL QUANTITIES AS DEPICTED ON THE DRAWING. THE PLANT LIST PROVIDED ON THIS PLAN IS FOR CONVENIENCE ONLY.
4. SUBSTITUTIONS MAY NOT BE MADE WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT/DESIGNER.
5. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES AND UTILITY LOCATORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOT BEGIN ANY WORK ON-SITE UNTIL ALL UTILITIES HAVE BEEN LOCATED. CONTRACTOR SHALL OBTAIN "AS-BUILT" PLANS FOR ALL IRRIGATION AND LIGHTING PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITIES INCLUDING IRRIGATION AND LIGHTING. ALL DAMAGE SHALL BE REPAIRED TO A NEW CONDITION IN ACCORDANCE WITH ALL CODES AT NO COST TO THE OWNER - SEE NOTE 5.
7. ALL UNSUITABLE MATERIAL (CONCRETE, AGGREGATE STONE, CRUSHED ASPHALT, BRICK ETC.) SHALL BE REMOVED, INCLUDING HAUL OFF, PRIOR TO PLANTING AND SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
8. SOIL MIX PM35 BY MIDWEST TRADING COMPANY OR EQUAL SHALL BE ROTOTILLED INTO ALL PERENNIAL AND ANNUAL PLANTING BEDS PRIOR TO THE INSTALLATION OF THE PLANT MATERIAL. A SLOW RELEASE, GRANULAR FERTILIZER SHALL BE APPLIED TO ALL ANNUAL AND PERENNIAL PLANTING BEDS AT THE RECOMMENDED RATE, AND SHALL BE ROTOTILLED IN WITH THE ABOVE SOIL MIXTURE BEFORE THE PLANT MATERIAL IS INSTALLED.
9. CONTRACTOR TO PROVIDE THOROUGH INITIAL WATERING OF ALL PLANTINGS WITHIN 12 HOURS OF INSTALLATION TO ENSURE ALL AIR POCKETS HAVE BEEN REMOVED AROUND ROOT BALL.
10. ALL PLANT BED AREAS ARE TO BE MULCHED WITH 3" OF DOUBLE SHREDDED HARDWOOD MULCH AND SHALL BE SEPARATED WITH A SPADE EDGE ALONG PERIMETERS ADJACENT TO TURF AREAS. FINAL GRADE (AFTER SETTLING) SHALL BE 1" BELOW ADJACENT CURBS.
11. ALL TURF AREAS ARE TO BE A MINIMUM OF A FIVE WAY BLUEGRASS BLEND, UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL INSTALLED TURF AREAS UNTIL TIME OF KNOTTING. IF TURF SEED AND SOD OCCUR ON THE SAME PROJECT, CONTRACTOR SHALL VERIFY AND USE SEED MIXTURES TO MATCH SOD.
12. AREAS TO BE SODDED SHALL BE WITH AN "APPROVED TURFGRASS SOD" OF PREMIUM GRADE. SOD SHALL BE A 5 WAY BLEND OF IMPROVED KENTUCKY BLUEGRASS VARIETIES THAT HAS BEEN GROWN LOCALLY TO THE PROJECT SITE. SOD MUST BE MATURED FOR 2 FULL GROWING SEASONS PRIOR TO HARVEST CUTTING AND BE HEALTHY WITH WELL ESTABLISHED ROOTS. SOD SHALL BE FREE OF DISEASE, INSECTS AND DEBRIS. SOD SHALL BE UNIFORM IN LEAF COLOR, TEXTURE, AND DENSITY. SOD SHALL BE DELIVERED, INSTALLED, AND WATERED WITHIN 24 HOURS OF HARVEST IN WHICH TEMPERATURES DO NOT EXCEED 90 DEGREES (F) NOR LESS THAN 55 DEGREES (F). SOD SHALL BE MACHINE-CUT AT A MINIMUM UNIFORM SOIL THICKNESS (1.5" OF SOD IS DESIRED) BUT SOD THICKNESS SHALL BE A THICKNESS NECESSARY FOR PLANT VIABILITY. SOD SHALL BE LAID IN STAGGERED STRAIGHT LINES, TIGHTLY AGAINST EACH OTHER WITHOUT STRETCHING OR OVERLAPPING. SOD STAKES SHALL USED ON ALL SLOPES 4:1 OR GREATER.
13. CONTRACTOR SHALL REPAIR ALL DISTURBED AREAS (INTENDED OR UNINTENDED) AT A MINIMUM, TO THE ORIGINAL CONDITION UNLESS OTHERWISE NOTED.
14. THE EXISTING PLANT MATERIAL SHOWN ON THIS PLAN IS INTENDED SOLELY TO IDENTIFY THEM AS OBSERVED IN THE FIELD. THIS PLAN DOES NOT MAKE ANY CLAIMS ABOUT CONDITION OR SAFETY OF ANY OBJECT, CONDITION OR PLANT MATERIAL DESCRIBED HEREIN OR OBSERVED IN THE FIELD.
15. ALL TRANSPLANTED PLANT MATERIAL MUST BE INSTALLED IMMEDIATELY UPON EXTRACTION FROM ITS ORIGINAL LOCATION. UNLESS SPECIFIC ARRANGEMENTS HAVE BEEN MADE WITH THE LANDSCAPE ARCHITECT/DESIGNER, SHOULD IT BECOME UNREASONABLE TO TRANSPLANT ANY OF THE PLANT MATERIAL AS DESCRIBED IN THIS PLAN, DUE TO SITE CONSTRAINTS OR OTHERWISE, CONTRACTOR IS RESPONSIBLE FOR CONTACTING LANDSCAPE ARCHITECT/DESIGNER TO MAKE ALTERNATIVE ARRANGEMENTS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE HEALTH AND VIABILITY OF THE PROPOSED PLANT MATERIAL INCLUDING WATERING, PROTECTION FROM PHYSICAL DAMAGE FROM THE TIME PLANT IS SELECTED THROUGH ITS INSTALLATION.
17. CONTRACTOR IS RESPONSIBLE FOR ALL PLANT MATERIAL REMAINING PLUMB UNTIL THE END OF THE GUARANTEE PERIOD. PLANTS MAY NOT BE STAKED UNLESS APPROVED BY THE LANDSCAPE ARCHITECT/DESIGNER.
18. CONTRACTOR TO GUARANTEE PLANT MATERIAL AND LABOR FOR A MINIMUM OF ONE YEAR FROM THE TIME OF INSTALLATION.
19. THE CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH AND ABIDING BY THE LANDSCAPE ORDINANCES FOR THE SPECIFIC JURISDICTION IN WHICH THE WORK IS TAKING PLACE.
20. BIDDERS SHALL BE RESPONSIBLE FOR EXAMINING THE SITE, PRIOR TO PREPARING BID, TO BECOME FAMILIAR WITH THE SPECIFIC SITE CONSTRAINTS.
21. ALL EXISTING ON-SITE PLANT MATERIAL NOT EFFECTED BY CONSTRUCTION OR THE PROPOSED LANDSCAPE, SHALL BE PROTECTED AS PART OF THIS PLAN. EXISTING LANDSCAPE IN AREAS OF CONSTRUCTION AND PROPOSED LANDSCAPE SHALL BE REMOVED AS PART OF THIS PLAN.
22. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF ALL THE ITEMS SHOWN ON THE PLANS.
23. IF IRRIGATION IS DEEMED NECESSARY, THE DESIGN AND INSTALLATION OF THE IRRIGATION SYSTEM SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR. AN IRRIGATION PLAN ALONG WITH AN AS BUILT OF THE IRRIGATION SYSTEM SHALL BE PREPARED FOR OWNER REVIEW AND APPROVAL. CONTRACTOR SHALL GUARANTEE PERFORMANCE, PARTS, AND LABOR FOR A PERIOD OF 1 YEAR FROM THE DATE OF FINAL APPROVAL.
24. IF EXISTING IRRIGATION IS PRESENT ON SITE, CONTRACTOR SHALL ADJUST, ADD TO, OR SUBTRACT FROM, THE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE ANY PROPOSED ALTERATIONS/ADDITIONS TO THE EXISTING LANDSCAPE. CONTRACTOR SHALL PROVIDE THE OWNER AN AS BUILT OF THE IRRIGATION SYSTEM AND ALL CHANGES TO THE SYSTEM AFFECTED BY THIS PROJECT.
25. DURING THE BIDDING PROCESS, THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR OR OTHER PARTIES RESPONSIBLE FOR THE OVERALL BIDDING OF THE PROJECT TO DETERMINE WHICH CONTRACTOR SHALL BE RESPONSIBLE FOR THE REQUIRED TOPSOIL RE-SPREAD PER THE FOLLOWING UNLESS OTHERWISE NOTED:
A. 4" MINIMUM IN GRASS OR SOD AREAS
B. 6" MINIMUM IN PLANTING AREAS
C. 12" MINIMUM IN LANDSCAPE ISLANDS

PLANT LIST

SHADE, ORNAMENTAL, AND CONIFEROUS TREES

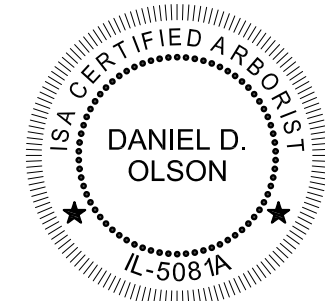
QTY	ABRV.	BOTANICAL NAME	COMMON NAME	SIZE
6	SSM	Acer miyabei 'Morton'	State Street Maple	2 1/2" Cal.
6	PSG	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	2 1/2" Cal.
6	WLC	Quercus bicolor	Swamp White Oak	2 1/2" Cal.
2	FTE	Ulmus x frontier	Frontier Elm	2 1/2" Cal.
1	ABS	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	6'
8	CNJ	Juniperus virginiana 'Canaertii'	Canaertii Juniper	6'

FLOWERING AND EVERGREEN SHRUBS

QTY	ABRV.	BOTANICAL NAME	COMMON NAME	SIZE
10	RCB	Aronia arbutifolia 'Brilliantissima'	Red Chokeberry	5 Gal.
17	ALH	Aronia melanocarpa 'UCONAM165'	Aronia Low Scape Hedger	3 Gal.
31	KOH	Dierilla 'GZX88544'	Kodiak Orange Honeysuckle	3 Gal.
12	LOH	Hydrangea paniculata 'SMHPLQF'	Little Quick Fire Hydrangea	3 Gal.
13	DKL	Syringa meyeri 'Palibin'	Dwarf Korean Lilac	5 Gal.
5	CLV	Viburnum dentatum 'Synnstedt'	Chicago Lustre Viburnum	5 Gal.
5	DHW	Weigela x 'Dark Horse'	Dark Horse Weigela	3 Gal.
21	DNY	Taxus x media 'Densiformis'	Densiformis Yew	5 Gal.

PERENNIALS, ORNAMENTAL GRASS AND GROUNDCOVERS

QTY	ABRV.	BOTANICAL NAME	COMMON NAME	SIZE
19	FWD	Dianthus gratianopolitanus 'Firewitch'	Firewitch Dianthus	1 Gal.
16	HMR	Heuchera 'Midnight Rose'	Midnight Rose Coralbells	1 Gal.
39	WLC	Nepeta racemosa 'Walker's Low'	Walker's Low Catmint	1 Gal.
82	KFF	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 Gal.
14	ODF	Calamagrostis x acutiflora 'Overdam'	Overdam Feather Reed Grass	1 Gal.
59	CAR	Schizachyrium scoparium 'Carouse'	Carouse Little Bluestem	1 Gal.
6	PDS	Sporobolus heterolepis	Prairie Dropseed	1 Gal.



Know what's Below.
Call before you dig.



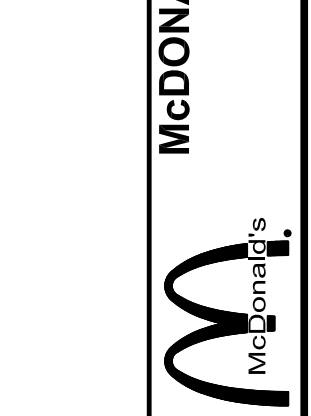
LANDSCAPE PLAN

NO.	REVISIONS	DATE
1	PER VILLAGE COMMENT LTR DATED 10/1/25	10/2/25

Prepared For:

McDonald's
110 N. Carpenter St.
Chicago, IL 60607

McDONALD'S - POPLAR GROVE, IL
(Near) 13685 IL-76
Poplar Grove, Illinois



Prepared By:

UPSTREAM
— DESIGN GROUP —
dolson@upstreamdesigngroup.com

CHECKED BY: D. OLSON	DESIGN BY: D. OLSON
DRAWN BY: D. OLSON	DATE: AUGUST 28, 2025
SCALE: 1" = 20'	PROJECT NO.: 25-106

L-1
LC #12-2773

LANDSCAPE PLAN