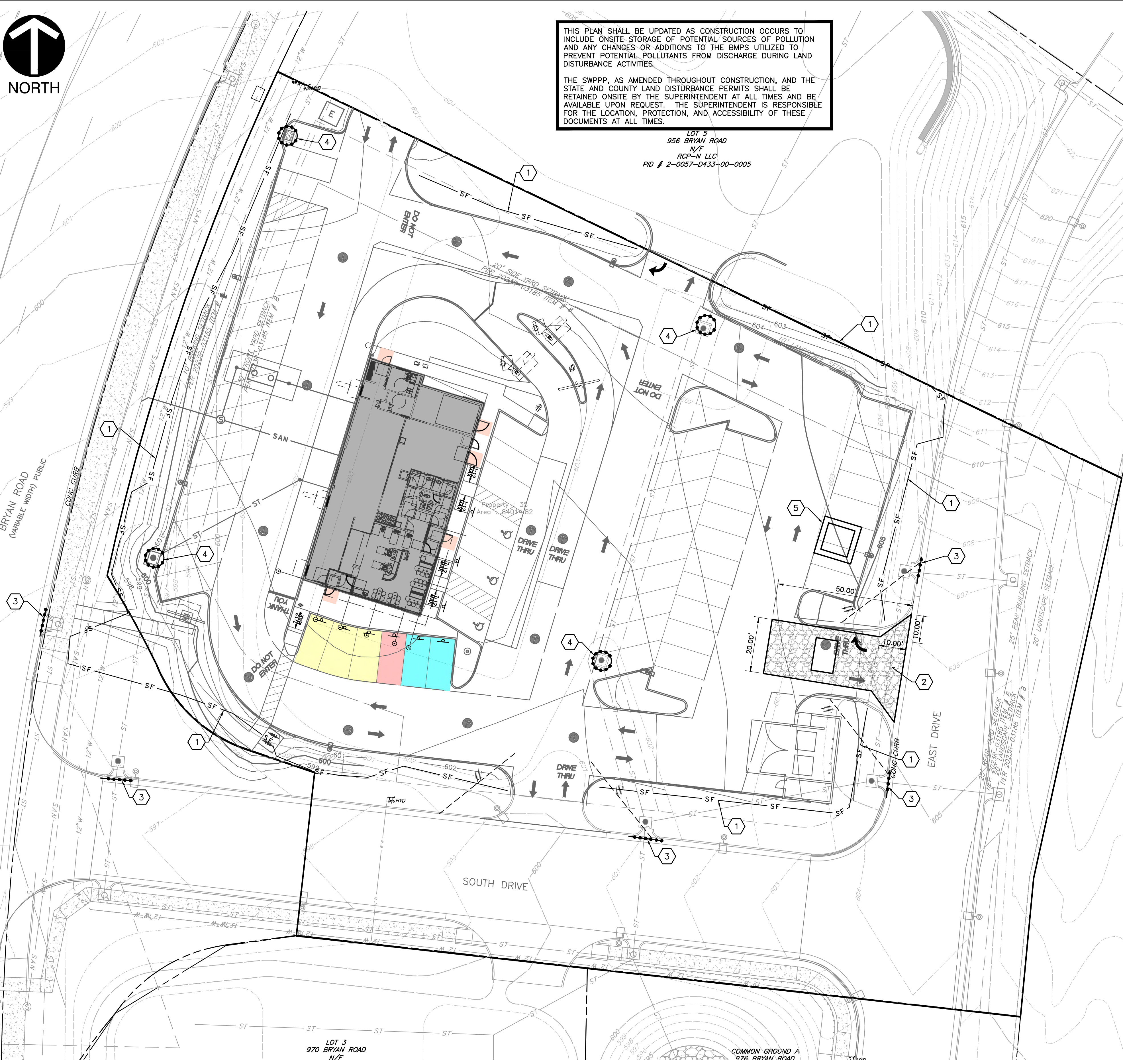




THIS PLAN SHALL BE UPDATED AS CONSTRUCTION OCCURS TO INCLUDE ONSITE STORAGE OF POTENTIAL SOURCES OF POLLUTION AND ANY CHANGES OR ADDITIONS TO THE BMPs UTILIZED TO PREVENT POTENTIAL POLLUTANTS FROM DISCHARGE DURING LAND DISTURBANCE ACTIVITIES.

THE SWPPP, AS AMENDED THROUGHOUT CONSTRUCTION, AND THE STATE AND COUNTY LAND DISTURBANCE PERMITS SHALL BE RETAINED ONSITE BY THE SUPERINTENDENT AT ALL TIMES AND BE AVAILABLE UPON REQUEST. THE SUPERINTENDENT IS RESPONSIBLE FOR THE LOCATION, PROTECTION, AND ACCESSIBILITY OF THESE DOCUMENTS AT ALL TIMES.

LOT 3
956 BRYAN ROAD
N/F
RCP-N LLC
PID # 2-0057-0433-00-0005



OVERALL VIEW
SCALE: 1" = 20'
SCALE IN FEET



GRADING/SEDIMENT & EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL SHALL NOT BE LIMITED TO THE MEASURES SHOWN ON THE PLANS. THE CONTRACTOR, WITH THE APPROVAL OF THE CITY INSPECTOR, SHALL UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT SEDIMENT FROM ENTERING ADJACENT PROPERTIES, ROADWAYS, STORM SEWERS, AND DRAINAGEWAYS.
2. ALL FILLED PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS INCLUDING TRENCH BACKFILLS WITHIN AND OFF THE ROAD RIGHT-OF-WAY SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557). ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
3. ALL FILLED PLACES IN PROPOSED AND EXISTING CITY OF O'FALLON ROADS (HIGHWAYS) SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90 PERCENT MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557). PAVED AREAS IN CUTS SHALL MEET THE SAME COMPACTION REQUIREMENTS. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING OPERATIONS.
4. ALL TRUCKING OPERATIONS SHALL FOLLOW THE APPROVED TRUCKING HAUL ROUTE. CONCRETE TRUCKS SHALL HAVE PROPER WASHOUTS, AS APPROVED BY THE CITY INSPECTOR. CITY, COUNTY AND STATE ROADS SHALL BE CLEANED AND KEPT CLEAR OF MUD, SEDIMENT, AND ANY OTHER DEBRIS AT ALL TIMES THROUGHOUT CONSTRUCTION.
5. ALL ON-SITE TRASH, LITTER, DISCARDED BUILDING MATERIALS, OTHER CONSTRUCTION SITE WASTES, AND DEBRIS, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
6. DEBRIS AND FOUNDATION MATERIAL FROM ANY EXISTING ON-SITE BUILDING OR STRUCTURE WHICH IS SCHEDULED TO BE RAZED FOR THIS DEVELOPMENT MUST BE PROPERLY DISPOSED OF OFF-SITE.
7. CONTRACTOR SHALL PROVIDE SUFFICIENT TEMPORARY TOILET FACILITIES TO SERVE THE NUMBER OF WORKERS ON THE SITE.
8. CONTRACTOR SHALL PROVIDE THE CITY INSPECTOR INFORMATION CONCERNING STORAGE AND HANDLING OF ALL HAZARDOUS AND TOXIC SUBSTANCES BROUGHT ONTO THE SITE. THE CONTRACTOR WILL ADHERE TO APPLICABLE FEDERAL AND STATE REGULATIONS CONCERNING STORAGE AND DISPENSERS, SPILL PREVENTION CONTROL, AND COUNTERMEASURE PLANS FOR CLEAN-UP.
9. ANY WELLS AND/OR SPRINGS WHICH MAY EXIST ON THIS PROPERTY SHOULD BE LOCATED AND SEALED IN A MANNER ACCEPTABLE TO THE CITY OF O'FALLON.
10. SOFT SOILS IN THE BOTTOM AND BANKS OF ANY EXISTING OR FORMER POND SITES OR TRIBUTARIES OR ANY SEDIMENT BASINS, TRAPS, OR OTHER ESC MEASURES SHOULD BE REMOVED, SPREAD OUT AND PERMITTED TO DRY SUFFICIENTLY TO BE USED AS FILL. NONE OF THIS MATERIAL SHOULD BE PLACED IN PROPOSED PUBLIC RIGHT-OF-WAY LOCATIONS OR ON ANY STORM SEWER LOCATION. ANY OTHER WET SOILS THAT ARE OUTSIDE THE OPTIMUM MOISTURE RANGE TO OBTAIN THE PROPER COMPACTION SHALL BE AIR DRIED SUFFICIENTLY BEFORE USE AS FILL.
11. A PRE-CONSTRUCTION CONFERENCE MUST BE SCHEDULED WITH THE CITY PRIOR TO THE START OF EACH CONSTRUCTION PHASE OF LAND DISTURBANCE ACTIVITY. THE PERMITEE WILL BE RESPONSIBLE FOR NOTIFYING ALL CONTRACTORS, UTILITY CREWS, AND OTHER ENTITIES THAT WILL PERFORM WORK AT THE SITE TO BE IN ATTENDANCE.
12. THE CITY INSPECTOR SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CLEARING, GRADING, AND/OR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR AN INSPECTION OF THE SITE.
13. ALL EXCAVATIONS, GRADING, OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33%).
14. TEMPORARY SILTATION CONTROL MEASURES (STRUCTURAL) SHALL BE MAINTAINED UNTIL VEGETATIVE COVER IS ESTABLISHED AT A DENSITY SUFFICIENT TO PROVIDE EROSION CONTROL ON THE SITE.
15. CONTRACTOR SHALL PROVIDE DUST CONTROL, AS DETERMINED BY THE CITY INSPECTOR.
16. UPON COMPLETION OF STORM SEWERS, SILTATION CONTROL SHALL BE PROVIDED AROUND ALL OPEN SEWER INLETS AND SHALL REMAIN UNTIL THE DISTURBED DRAINAGE AREAS HAVE BEEN PROPERLY STABILIZED.
17. WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE RE-ESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION.
18. TEMPORARY VEGETATION OR OTHER APPROVED SURFACE STABILIZATION METHODS SHALL BE ESTABLISHED WITHIN 14 DAYS WHEN THE SOIL DISTURBANCE HAS CEASED ON AREAS GREATER THAN 2,000 SQ. FT.
19. PERMANENT GRASS MUST BE ESTABLISHED AT A DENSITY SUFFICIENT TO PROVIDE EROSION CONTROL ON THE SITE WITHIN 30 DAYS OF THE COMPLETION OR SUSPENSION OF GRADING OPERATIONS. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO THE RECOMMENDATION OF THE CITY INSPECTOR.
20. ALL SILTATION CONTROL DEVICES SHALL BE INSPECTED BY THE CONTRACTOR BI-WEEKLY, AT A MINIMUM, AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT. FOR DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, ALL INSTALLED BMP'S AND OTHER POLLUTION CONTROL MEASURES SHALL BE INSPECTED FOR PROPER INSTALLATION, OPERATION, AND MAINTENANCE. LOCATIONS WHERE STORMWATER LEAVES THE SITE SHALL BE INSPECTED FOR EVIDENCE OF EROSION OR SEDIMENT DEPOSITION. ANY DEFICIENCIES SHALL BE NOTED IN A REPORT OF THE INSPECTION AND CORRECTED WITHIN FOUR CALENDAR DAYS OF THE INSPECTION.
21. SEDIMENT SHALL BE WASHED FROM ALL VEHICLES AT WASH DOWN STATION PRIOR TO LEAVING THE SITE. NO TRACKING OF MUD ONTO PUBLIC ROADS SHALL BE ALLOWED.
22. ALL TRASH AND DEBRIS ON-SITE, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
23. THIS SITE DOES NOT REQUIRE 404/401 PERMITTING.
24. NO DEWATERING METHODS ARE ANTICIPATED OR PROPOSED FOR THIS PROJECT.
25. NO CONSTRUCTION WASTE OR POTENTIAL POLLUTION SOURCES ARE PROPOSED TO BE STORED ON SITE DURING CONSTRUCTION OR LAND DISTURBANCES.
26. PRIOR TO ANY MAJOR LAND DISTURBANCE ACTIVITY, A LAND DISTURBANCE PERMIT FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (MO DNR) WILL BE REQUIRED. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF SAID PERMIT.
27. THE LOSS OF ANY CONTAINED SEDIMENT OR OTHER POLLUTANT REQUIRES IMMEDIATE ACTION WHICH MUST BE DOCUMENTED AND REPORTED TO THE CITY.
28. PROPOSED POST CONSTRUCTION SURFACE BMPs SHALL BE CONSTRUCTED AFTER SUBSTANTIAL COMPLETION OF LAND DISTURBANCE ACTIVITIES. ALL POST CONSTRUCTION BMPs ARE TO BE PROTECTED FROM RUNOFF, SEDIMENT, AND DAMAGE DURING CONSTRUCTION ACTIVITIES.
29. THE FOLLOWING SUBMITTALS ARE REQUIRED PRIOR TO TEMPORARY AND PERMANENT SEEDING: 1. SEEDING DATE 2. SEED MIXTURE(S) AND RATE(S), SUPPLIER, PURITY PERCENTAGE 3. MULCHING MATERIAL(S) AND APPLICATION RATE(S) 4. MOWING HEIGHT AND SCHEDULE SEEDED AREAS SHALL BE RE-FERTILIZED 4 WEEKS AFTER INITIAL SEEDING. ALL AREAS IDENTIFIED AS BARE AND SPARSE (LESS THAN 30% GROUND COVER) DURING THE INSPECTION SHALL BE RE-SEEDING AND MULCHED. GRASS SHALL NOT BE CUT UNTIL 4 INCHES OF GROWTH OCCURS.
30. EPA ALLOWABLE NON-STORM WATER DISCHARGES:
 - WATERLINE FLUSHING
 - LANDSCAPE IRRIGATION
 - DIVERTED STREAM FLOWS
 - RIISING GROUND WATERS
 - UNCONTAMINATED GROUND WATER INFILTRATION
 - UNCONTAMINATED PUMPED GROUND WATER
 - FOUNDATION DRAINS
 - DISCHARGE FROM POTABLE WATER SOURCES
 - AIR CONDITIONING CONDENSATION

ESTIMATED CONSTRUCTION AND SILTATION CONTROL SEQUENCE AND ESTIMATED SCHEDULE:

CLEARING SITE OF DEBRIS FOR GRADING AND BMP INSTALLATION	EARLY JULY
INITIAL BMP INSTALLATION OF SILT FENCING, CONSTRUCTION ENTRANCE, AND WASH DOWN STATION.	EARLY JULY
GRADING THE SITE AND INSTALLING INTERIOR SILT FENCING AND CHECK DAMS.	MID JULY - EARLY AUGUST
INSTALLING UTILITY LINES AND INLET PROTECTION.	MID JULY - EARLY AUGUST
BUILDING CONSTRUCTION, CURBS, PAVEMENT, AND SIDEWALKS.	EARLY AUGUST - EARLY DECEMBER
SOIL STABILIZATION AND TEMPORARY BMP REMOVAL	MID DECEMBER - EARLY JANUARY

KEY NOTES

1. PROPOSED SILT FENCE. REFER TO DETAIL ESC-5.
2. PROPOSED ROCK CONSTRUCTION ENTRANCE. REFER TO DETAIL ESC-4.
3. PROPOSED INLET PROTECTION - DANDY CURB BAG (OR APPROVED EQUAL). REFER TO DETAIL ON C901.
4. PROPOSED INLET PROTECTION. REFER TO DETAIL ESC-14.
5. PROPOSED CONCRETE WASHOUT PIT. REFER TO DETAIL ON C901.

NOTES:

1. REFER TO SHEET C001 FOR GENERAL NOTES AND ABBREVIATIONS.
2. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THIS PROJECT.

MCDONALD'S CONSTRUCTION PLAN
A TRACT OF LAND BEING LOT 4 OF 'BRYAN ROAD COMMERCIAL, PLAT 1' RECORDED AS DOCUMENT 2023R-038185 IN THE ST CHARLES COUNTY RECORDS, BEING IN THE SOUTHWEST QUARTER OF FRACTIONAL SECTION 30, TOWNSHIP 47 NORTH, RANGE 3 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

CEC Inc. Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway, Suite 102
St. Charles, MO 63301
314-656-4566 · 866-250-3679
www.cecinc.com



PATRICK T. BENNETT
(MO PE# 2002003134)
PROFESSIONAL CIVIL ENGINEER
HAND SIGNATURE ON FILE

MIL	GAS	FTB	398-986
DRAWN BY:	CHECKED BY:	APPROVED BY:	PROJECT NO:

Developer / Owner Information
MCDONALD'S RESTAURANT
NSN 43008 (024-1305)
962 BRYAN ROAD
O'FALLON, MISSOURI

McDonald's

EROSION + SEDIMENT CONTROL PLAN

P+Z No. 24-00803
Approval Date 04/08/2024
Permit No.

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C900
City of O'Fallon Standard Notes and Details - July 2019