

no way absolve any party from complying with the

Underground Facility Safety and Damage Prevention Act.

modifications. The signed and sealed original is the official

document and shall take precedence over any digital version.

EMERGENCY QUANTITY EROSION CONTROL BMP / ITEM REPAIR QUANTITY (15%) 636 LF SILTATION CONTROL FENCE 7 EA INLET PROTECTION 1 EA 88 LF **GUTTER BUDDY** 13 LF TEMPORARY SEED & MULCH SOD (ALL DISTURBED AREAS) 2776 +/- SY **CONSTRUCTION ENTRANCE &** 1 EA WASHDOWN STATION 1 EA TEMPORARY OFF-STREET PARKING

ALL QUANTITIES SHOWN ABOVE INCLUDE BASE BID & ALTERNATES FOR PERMITTING JRPOSES ONLY. CONTRACTOR TO CALCULATE OWN QUANTITIES FOR BIDDING. SOD TO BE USED IN ALL DISTURBED AREAS INCLUDING WITHIN THE RIGHT-OF-WAY ON SLOPES. STEEPER THAN 5:1 AND IN DRAINAGE SWALES (SEE NOTES). SEED & MULCH IS NOT PERMITTED FOR PERMANENT VEGETATION ESTABLISHMENT, ONLY TEMPORARY.

NOTE: ALL SWPPP EROSION CONTROL ITEMS ARE <u>TEMPORARY</u>, EXCEPT FOR SOD AREAS ANY TEMPORARY SEEDING AND MULCHING WILL BE DETERMINED BY THE CONTRACTOR'S ONSTRUCTION SCHEDULING & ANY POSSIBLE WEATHER DELAYS. THEREFORE, QUANTITIE: SHOWN ABOVE DO NOT REFLECT TEMPORARY SEEDING & MUI CH FOR THIS REASON

Additional erosion control measures may be required during construction that are not shown on these plans. Contractor is responsible for installing and maintaining temporary and/or interim erosion control measures during

construction progression or as required by the City and/or MDNR Inspector. Any changes/additions to the Storm Water Pollution Prevention Plan (SWPPP) shall be documented by the contractor and remain on file at the site

ANY LAND CLEARING, CONSTRUCTION OR DEVELOPMENT INVOLVING THE MOVEMENT OF EARTH SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN. AND THE PERSON ISSUED A LAND DISTURBANCE PERMIT ASSUMES AND ACKNOWLEDGES RESPONSIBILITY FOR COMPLIANCE WITH THE LOCAL LAND DISTURBANCE CODE AND THE APPROVED STORM WATER POLLUTION PLAN AT THE SITE OF THE PERMITTED ACTIVITY.

SITE ADDRESS:

601 HIGHWAY DE

O'FALLON, MO 63368

721 WEST MAIN STREET

24-HOUR EMERGENCY CONTACT:

NOTE: ACCORDING TO AVAILABLE INFORMATION, THE STORM WATER RUNOFF FROM THIS PROJECT DOES

NOT FLOW INTO A "VALUABLE RESOURCE WATER" AS

(FOR PERMITTING PURPOSES ONLY, CONTRACTOR TO

* ABOVE QUANTITIES DO NOT INCLUDE ANY UTILITY

HAUL ROUTE: A HAUL ROUTE IS NEEDED FOR THIS PROJECT. ONCE A

CONTRACTOR IS SELECTED, THEY MUST SUBMIT A

HAUL ROUTE TO CITY OF O'FALLON FOR APPROVAL.

TRENCH OR FOOTING SPOILS. RETAINING WALL BACKFILL AND UNDERGROUND FUEL TANK BACKFILL

HAS BEEN EXCLUDED FROM QUANTITIES.)

ROJECT ANALYSIS AREA = 1.68 ACRES

POST - DEV. RUNOFF COEFFICIENT = 0.78

CALCULATE OWN QUANTITIES FOR BIDDING)

1,880 CU.YDS.

2,315 CU.YDS

PRE - DEV. RUNOFF COEFFICIENT = 0.30

AREA OF DISTURBANCE: 1.87± ACRES

NET (SHORTAGE) = 435 CU.YDS.*

BELLEVILLE, IL 62220

MR. ANDY WALL

(618) 558-9658

DEFINED BY MDNR.

MOTO, INC.

NOTIFY ALL CONTRACTORS AND OTHER ENTITIES (INCLUDING UTILITY CREWS, CITY/COUNTY EMPLOYEES OR THEIR AGENTS) THAT WILL PERFORM WORK AT THE SITE OF THE EXISTENCE OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BEST MANAGEMENT PRACTICES (BMPS); DETERMINE THE NEED FOR AND ESTABLISH TRAINING PROGRAMS TO ENSURE THAT ALL SITE

WORKERS HAVE BEEN TRAINED, AT A MINIMUM, IN EROSION CONTROL, MATERIAL HANDLING AND STORAGE, AND GOOD HOUSEKEEPING; PROVIDE COPIES OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO ALL PARTIES WHO

ARE RESPONSIBLE FOR INSTALLATION, OPERATION OR MAINTENANCE OF ANY BEST MANAGEMENT MAINTAIN A CURRENT COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE

SITE AT ALL TIMES.

HE PERMIT-HOLDER SHALL AMEND THE STORM WATER POLLUTION PREVENTION PLAN WHENEVER: DESIGN, OPERATION OR MAINTENANCE OF BEST MANAGEMENT PRACTICES (BMP'S) IS CHANGED. DESIGN OF THE CONSTRUCTION PROJECT IS CHANGED THAT COULD SIGNIFICANTLY AFFECT THE

QUALITY OF THE STORM WATER DISCHARGES. SITE OPERATOR'S INSPECTIONS INDICATE DEFICIENCIES IN THE STORM WATER POLLUTION

PREVENTION PLAN (SWPPP) OR ANY BEST MANAGEMENT PRACTICES (BMP'S). INSPECTIONS BY A LOCAL AUTHORITY OR BY THE MISSOURI DEPARTMENT OF NATURAL RESOURCES INDICATE DEFICIENCIES IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) OR ANY BEST MANAGEMENT PRACTICES (BMP'S).

ALTHOUGH NO DEWATERING ACTIVITIES ARE ANTICIPATED FOR THIS PROJECT, IF THEY BECOME NECESSARY DUE TO UNFORESEEN CIRCUMSTANCES. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE RULES AND REGULATIONS FOR DEWATERING, THESE INCLUDE BUT ARE NOT LIMITED TO

MSD. MDNR. THE CITY. AND THE EPA DURING DEWATERING ACTIVITIES. STANDING "CLEAR, UNPOLLUTED WATER" CAN BE DECANTED AND DISCHARGED TO THE STORM SYSTEM WATER THAT HAS BECOME TURBID DURING CLEANING SHOULD BE EITHER, (1) PUMPED AND HAULED TO AN ACCEPTABLE WASTEWATER DISPOSAL FACILITY OR (2) TREATED BY FILTRATION, SUCH AS PUMPED THROUGH A BAG FILTER AND DISCHARGED TO THE

3. A SPECIAL DISCHARGE PERMIT FROM THE CITY MAY NOT BE REQUIRED FOR DISCHARGING TO THE SANITARY SYSTEM IF THE TOTAL VOLUME IS LESS THAN 10,000 GALLONS. THE FLOW RATE PUMPED INTO THE SANITARY SYSTEM SHALL NOT EXCEED 50 GPM. CONTACT THE CITY FOR CONFIRMATION.

CLEAR WATER: WATER THAT HAS SETTLED ITS SOLIDS FOR 24 HOURS AND CAN BE PUMPED OUT OF THE BMP WITHOUT RE-SUSPENDING THE SOLIDS.

UNPOLLUTED WATER: DEFINED BY MSD ORDINANCE 12559 AS MEANING "ANY WATER THAT MAY BE DISCHARGED UNDER NPDES REGULATIONS INTO WATERS OF THE STATE WITHOUT HAVING TO BE AUTHORIZED BY A NPDES PERMIT AND WHICH WILL NOT CAUSE ANY VIOLATIONS OF STATE OR FEDERAL WATER QUALITY STANDARDS.

CONTAINMENT FAILURE PLAN IN THE EVENT OF ANY LOSS OF CONTAINED SEDIMENT:

REPAIR ANY DAMAGED SILTATION FENCES.

CLEAN UP ANY NECESSARY SILTED AREAS. RESTORE ANY NECESSARY SILTED AREAS.

4. PROVIDE DOCUMENTATION OF ACTIONS & MANDATORY REPORTING TO CITY'S DEPARTMENT OF PUBLIC

THE FOLLOWING NON-STORM WATER DISCHARGES ARE AUTHORIZED BY THE EPA PROVIDED IT HAS BEEN DETERMINED BY THE PERMITTEE THAT THEY ARE NOT SIGNIFICANT CONTRIBUTORS OF POLLUTANTS TO THE MS4. IMPLEMENTATION OF POLLUTION PREVENTION MEASURES FOR NON-STORM WATER DISCHARGES IS REQUIRED FOR SIGNIFICANT CONTRIBUTORS.

 WATER LINE FLUSHING. LANDSCAPE IRRIGATION.

DIVERTED STREAM FLOWS

RISING GROUND WATERS UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)). UNCONTAMINATED PUMPED GROUND WATER.

DISCHARGE FROM POTABLE WATER SOURCES. H. FOUNDATION DRAINS.

AIR CONDITIONING CONDENSATION

IRRIGATION WATER, SPRINGS. WATER FROM CRAWL SPACE PUMPS.

FOOTING DRAINS.

M. LAWN WATERING INDIVIDUAL RESIDENT CAR WASHING.

FLOWS FROM RIPARIAN HABITATS AND WETLANDS. P. DE-CHLORINATED SWIMMING POOL DISCHARGES.

Q. STREET WASH WATER. R. RESIDENTIAL BUILDING WASH WATERS, WITHOUT DETERGENTS.

DISCHARGES OR FLOWS FROM FIRE FIGHTING ACTIVITIES OCCUR DURING EMERGENCY SITUATIONS. THE PERMITTEE IS NOT EXPECTED TO EVALUATE FIRE FIGHTING DISCHARGES WITH REGARD TO POLLUTANT CONTRIBUTIONS. THEREFORE, THESE DISCHARGES ARE AUTHORIZED AS ALLOWABLE NON-STORM WATER DISCHARGES, UNLESS IDENTIFIED, BY EPA, AS SIGNIFICANT SOURCES OF POLLUTANTS TO WATERS OF THE U.S.

ROUTINE INSPECTION SCHEDULE

he permit-holder shall contact the CITY/MDNR Inspector for a site inspection at least two working days prior to the following: Start of construction;

Installation of sediment and erosion control measures;

Completion of site clearing Completion of rough grading

Completion of final grading; Close of construction season Completion of final landscaping.

Inspections by the permit-holder's inspector shall be regularly performed on land disturbance sites, including all erosion and sediment and other pollutant control measures, outfall and off-site receiving waters per the following schedule:

No later than 48 hours after a rainfall that causes storm water runoff to occur onsite.

All inspections shall be documented in writing on weekly reports with copies submitted to the CITY/MDNR, if required.

The permit-holder shall notify the Contractor of any deficiencies identified. The Contractor shall have seven calendar days to

ENGINEERS • SURVEYORS • PLANNERS Clayton Engineering Co 2268 WELSCH INDUSTRIAL COURT ST. LOUIS, MISSOURI 63146 All Rights Reserved 314) 692-8888 FAX: (314) 692-8688 claytoneng.co No. Cert. of Authority - Prof. Engineering #00006 & Prof. Surveying #000014

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ASDG, LLC FAIRVIEW HEIGHTS, IL 62208

618.628.0887 (O) 618.628.0889(F IL STATE CERTIFICATE OF AUTHORITY NO. 184-003843

NO. 184-003476

BRIC PARTNERSHIP, LLC 100 EAST WASHINGTON, SUITE 220 BELLEVILLE, IL 62220 618.277.5200 (O) 618.277.5227(F) IL STATE CERTIFICATE OF AUTHORITY

> ŃUMBER PE-200600013

ERIK J. STALEY, PE ENGINEER No. 2006000132 e professional engineer seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings nstruments or other documents not

chibiting this seal shall not be considere repared by this engineer, and this engineer expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

DATE 08/25/2021

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ISSUANCE

NO DATE DESCRIPTION 108/25/21 CITY SUBMITTAL 09/22/21 2nd CITY SUBMITTAL 3. |10/06/21|3rd CITY SUBMITTAL 4. | 11/22/21 | 4th CITY SUBMITTAL (BID SET)

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JOB NO. 21-3133.01 © 2021 FGM Architects Inc.

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EJS / RFK

IL Dept. Financial & Prof. Reg. Prof. Design & Engineering Corp. #184.000879