

BMP MAINTENANCE EROSION NOTES:

All measures stated on this Site Map, and in the Storm Water Pollution Prevention Plan, shall be maintained in fully functional condition until no longer required for a completed phase of work or final stabilization of the site. All erosion and sedimentation control measures shall be checked by a qualified person in accordance with the contract documents or the applicable permit, whichever is more stringent, and repaired in accordance with the following:

- Inlet protection devices and barriers shall be repaired or replaced if they show signs of undermining or deterioration.
- All temporary seeded areas shall be checked regularly to see that a good stand is maintained. Areas should be fertilized, watered, and reseeded as needed.
- Silt fences shall be repaired to their original conditions if damaged. Sediment shall be removed from the silt fences when it reaches one-half the height of the silt fence.
- The construction exits shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing of the construction exits as conditions demand.
- The temporary parking and storage area shall be kept in good condition (suitable for parking and storage). This may require periodic top dressing of the temporary parking area as conditions demand.
- Prior to leaving the site, all vehicles shall be cleaned of debris. Any debris and/or sediment reaching the public street shall be cleaned immediately by a method other than flushing.

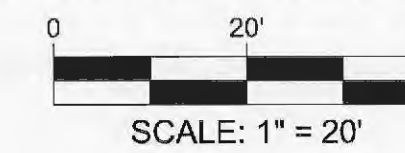
NOTES:

Provide sod species suitable as lawn turf for the region. Sod shall be strongly rooted, weed, disease, pest free and uniform in thickness.
Amend existing and imported topsoil as needed to provide a healthy stand of grass.
Unless otherwise shown on the plans, disturbed areas shall be permanently sodded.
Continuously sod remaining disturbed areas until fully turfed with no bare spots.
After grass growth has started, sod areas that fail to show uniform stand of grass. Sodding such areas repeatedly until areas are covered with satisfactory growth of grass. Perform removal and replacement or topsoil conditioning, if required, to facilitate establishment of grass.
Maintain and establish lawn by watering, fertilizing, weeding, mowing, and operations required to maintain full turf coverage.

ACREAGE SUMMARY (IN ACRES)

SITE AREA	1.00
ON-SITE DISTURBED AREA	1.00
OFF-SITE DISTURBED AREA	0.14
TOTAL DISTURBED AREA	1.14
IMPERVIOUS AREA AT COMPLETION	0.35
PERVIOUS/SEEDED AREA AT COMPLETION	0.79

EROSION & SEDIMENTATION CONTROL PLAN



GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, OR REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWNSTREAM SIDES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL DENUDING/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY WITH THE USE OF FAST-GERMINATION ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE PAVED CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATION AS PROVIDED.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT EROSION AND POLLUTANT DISCHARGE.

SEQUENCE OF CONSTRUCTION:

- INSTALL STABILIZED CONSTRUCTION EXIT(S).
- PREPARE TEMPORARY PARKING AND STORAGE AREA. UPON IMPLEMENTATION CONSTRUCT BMP ITEMS AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAYDOWN, PORTA POTTY (if needed), WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., DENOTE THEM ON THE SITE MAPS IMMEDIATELY AND NOTE ANY CHANGES IN THE LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
- CONSTRUCT INLET PROTECTIONS ON THE SITE.
- CLEAR AND GRUB SITE.
- BEGIN GRADING SITE.
- TEMPORARILY SEED/STABILIZE DENUDED AREAS.
- INSTALL UTILITIES, CURBS AND GUTTERS.
- INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
- PREPARE SITE FOR PAVING.
- PAVE SITE.
- IMPORT 4 INCHES OF TOPSOIL FOR ALL GREEN AREAS.
- INSTALL INLET PROTECTION DEVICES.
- COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTINGS.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).

SITE FEATURES

- BOUNDARY LINE
- RIGHT OF WAY LINE
- PROPOSED LIMITS OF DISTURBANCE
- EXISTING CONTOUR ELEVATIONS
- STORM DRAIN
- DIRECTION OF OVERLAND FLOW
- LIMITS OF DRAINAGE SUB-BASIN
- SOIL BOUNDARY

EROSION NOTES

- SOIL TYPE: HARVESTER-URBAN LAND COMPLEX, 2 TO 9 PERCENT SLOPES
- SOIL TYPE: WELLER SILT LOAM, 5 TO 9 PERCENT SLOPES
- PROVIDE BARRICADES AT ALL ENTRANCE LOCATIONS WITHOUT CONSTRUCTION EXITS
- PERMANENT SODDING

EROSION DETAILS

- CONSTRUCTION EXIT ON PAVEMENT
- CONCRETE WASHOUT
- SILT FENCE
- SWPPP INFORMATION SIGN
- WHEEL WASH

NOTE:
IN THE EVENT THAT AN INSPECTOR OF THE U.S. E.P.A. OR A STATE OR LOCAL AGENCY SHOULD APPEAR AT THE PROJECT TO CONDUCT AN INSPECTION, THE CONTRACTOR SHALL IMMEDIATELY CONTACT BFA, INC. AT 636-239-4751 AND ADVISE THEM OF THE INSPECTION.

DEVELOPER/OWNER:
PEBB ENTERPRISES
7900 GLADES ROAD, SUITE 600
BOCA RATON, FL 33434
(561) 613-4020

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

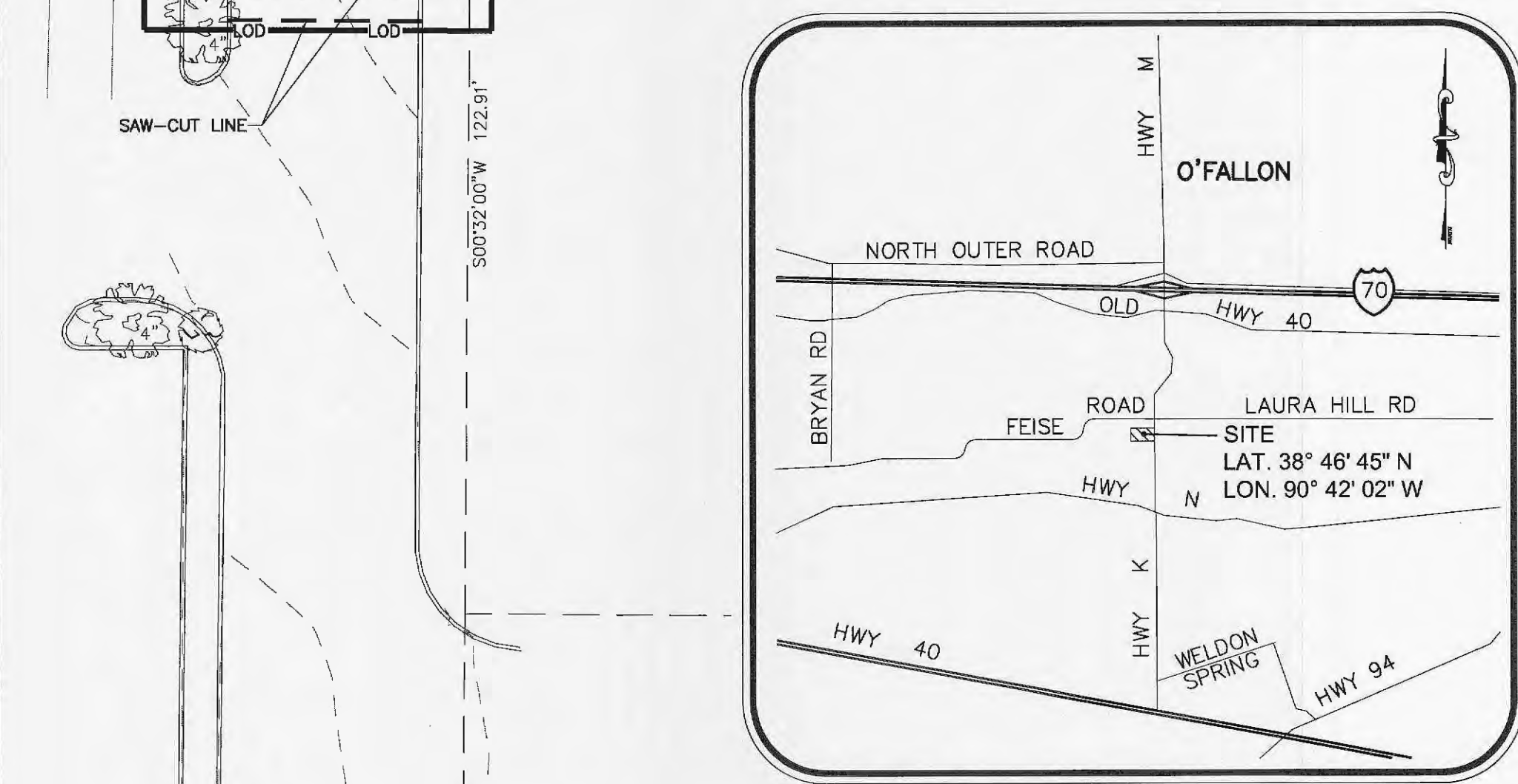
NOTE TO GENERAL CONTRACTOR:

PRIOR TO CONSTRUCTION, GC MUST CLEARLY DELINEATE AND MARK OFF AREAS IDENTIFIED IN THE SWPPP OR IN THE FIELD, TO BE PROTECTED (SUCH AS, NATURAL BUFFERS, TREES, ETC.).

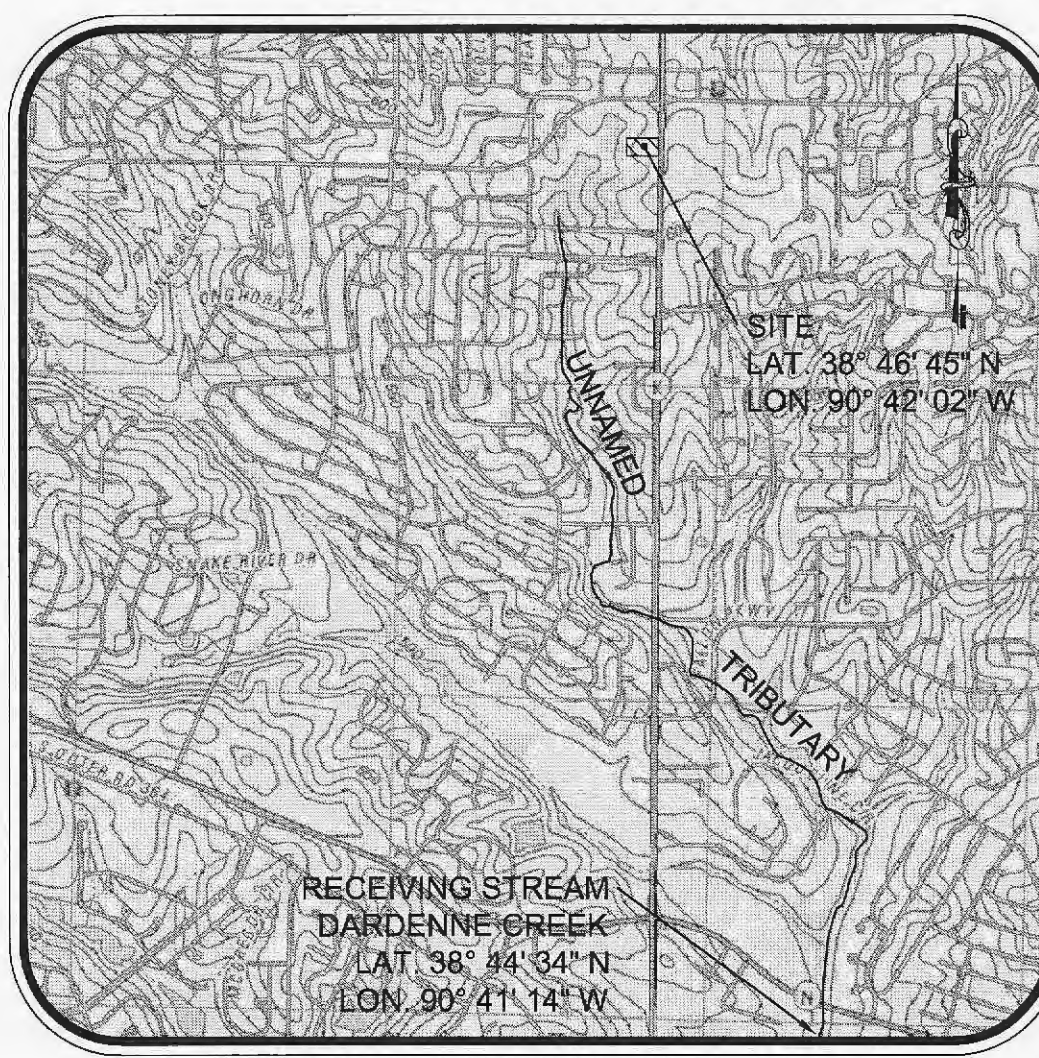
Three working days prior to the start of any excavation on this site the Contractor shall contact 1-800-344-7483 for utility location information.

The contractor shall verify and implement all the required Federal Occupational Safety and Health Administration (OSHA) and/or OSHA approved state-plan regulations established for the type of construction required by these plans.

REVISIONS	
1	
By:	App:
2	
By:	App:
3	
By:	App:
4	
By:	App:



SITE LOCATION MAP
NOT TO SCALE



USGS QUADRANGLE MAP
NOT TO SCALE

PART OF THE NORTHEAST QUARTER OF FRACTIONAL SECTION 5, TOWNSHIP 46 NORTH, RANGE 3 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

DEMOLITION PLAN LEGEND	
DESCRIPTION	EXISTING
AERIAL ELECTRIC	AE
UNDERGROUND ELECTRIC	UE
UNDERGROUND TELEPHONE	UT
GAS LINE	G
WATERLINE	W
SANITARY SEWER	SS
WOOD FENCE	X-X-X
CHAINLINK FENCE	—•—•—
UTILITY POLE	o
GUARD POST	oP
SANITARY MANHOLE	o
WATER VALVE	o
FIRE HYDRANT	o
CATCH BASIN	o
FLARED END SECTION	o
CLEANOUT	o
GRATED INLET	o

BFA
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WASHINGTON, MISSOURI 63090

Mark A. Harriman, P.E. #2000162109
Registered Professional Engineer
for BFA, Inc. Professional Engineer Corporation #000472

Proposed Site Improvement Plans to O'Fallon Walk Missouri State Highway K City of O'Fallon, St. Charles Co., Missouri

DRAWN E.J.H., S.A.B.
CHECKED M.A.H.
DATE 4/13/15
SCALE 1" = 20'
JOB No. 3842
SHEET EROSION AND SEDIMENT CONTROL PLAN

SW-1

P:\Vault\3842 O'Fallon, MO Parking Lot\3842 Plan Sheets\3842-ESC Plans.dwg
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