

GENERAL NOTES:

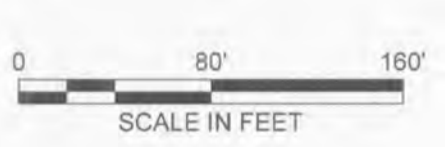
- THE FOLLOWING STANDARD SPECIFICATIONS SHALL BE ADHERED TO DURING CONSTRUCTION. THE MOST STRINGENT OF WHICH SHOULD BE FOLLOWED IF ANY CONFLICT IS NOTED BETWEEN THEM.
 - A. THE CITY OF O'FALLON, MISSOURI DEVELOPMENT CODE, ORDINANCES AND COMMERCIAL CONSTRUCTION REQUIREMENTS.
 - B. THE BELLEAU SUBSTATION CONTRACT SPECIFICATION "POS-SPEC-000139" REVISION NO. 3 DATED NOVEMBER 11, 2013.
 - C. THE MISSOURI (MoDOT) STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION MANUAL DATED 2011.
 - D. THE PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY BURNS & McDONNELL ENGINEERING COMPANY, INC DATED JUNE 2014.
 - E. THE PROJECT SPECIFIC GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC DATED MARCH 19, 2014.
- THIS SITE HAS BEEN DETERMINED TO BE IN ZONE X (UNSHADED) OUTSIDE THE 500-YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29183C0235 E (PANEL 235 OF 525), DATED AUGUST 2, 1996.
- STORM WATER DETENTION TO BE PROVIDED FOR THE 100 YEAR 20 MINUTE STORM.
- SITE PREPARATION AND TREE REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 02220 - EARTHWORK OF THE BELLEAU SUBSTATION CONTRACT SPECIFICATION "POS-SPEC-000139".
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP). ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE BASINS DURING CONSTRUCTION ONCE THEY ARE 50% FULL. SILT MONITORING POSTS SHALL BE INSTALLED IN EACH BASIN AND BE MARKED WITH THE MAXIMUM PERMISSIBLE LEVEL OF SEDIMENT OF ELEV 497.5 FOR BASIN #1 AND ELEV 498.5 FOR BASIN #2.
- SITE GRADING AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 02220 - EARTHWORK OF THE BELLEAU SUBSTATION CONTRACT SPECIFICATION "POS-SPEC-000139" AS WELL AS THE RECOMMENDATIONS IN THE SITE SPECIFIC GEOTECHNICAL REPORT.
- THE ENTIRE SITE WITHIN THE FENCE LIMITS WILL BE COVERED WITH 6" OF MoDOT TYPE 5 AGGREGATE BASE ROCK OVER GEOTEXTILE FABRIC UNLESS NOTED OTHERWISE ON THE PLANS.
- TYPE 5 AGGREGATE YARD BASE ROCK & TYPE 1 AGGREGATE ROAD BASE ROCK SHALL BE CONSTRUCTED IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 304.
- GEOTEXTILE FABRIC SHALL BE INSTALLED BENEATH ROCK IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 401.
- BITUMINOUS ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 401.
- CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 03311 - CAST IN PLACE CONCRETE OF THE BELLEAU SUBSTATION CONTRACT SPECIFICATION "POS-SPEC-000139". ALL NON-REINFORCED CONCRETE SHALL BE 4000 PSI AT 28 DAYS.
- ROCK LINED DITCHES SHALL BE CONSTRUCTED USING TYPE 2 ROCK DITCH LINER IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 609.60.
- DETENTION BASIN ROCK BLANKET SLOPE PROTECTION SHALL BE CONSTRUCTED USING TYPE 2 ROCK BLANKET IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 611.30.
- ROCK LINING FOR CULVERT OUTLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 609.70 USING TYPE 2 ROCK BLANKET MATERIAL AND SHALL BE SIZED IN ACCORDANCE WITH MoDOT STANDARD DETAIL 609.70C.
- REINFORCED CONCRETE PIPE CULVERTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 726 AND MoDOT STANDARD DETAIL 726.30H. PRECAST CONCRETE FLARED END SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MoDOT STANDARD DETAIL 732.00P USING TOE WALLS AT BOTH THE UPSTREAM AND DOWNSTREAM ENDS. THE UPSTREAM TOE WALLS SHALL BE 24" DEEP AND THE DOWNSTREAM TOE WALLS SHALL BE 36" DEEP.
- SITE PERIMETER FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 02831 - SECURITY FENCE AND GATES OF THE BELLEAU SUBSTATION CONTRACT SPECIFICATION "POS-SPEC-000139".
- AREAS TO BE SEEDED AND FERTILIZED AS SHOWN ON THE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 805 & 801 USING THE FOLLOWING MIXTURES:

SEED:	
TALL FESCUE	100 LB/ACRE
PERENNIAL RYEGRASS	50 LB/ACRE
RED FESCUE	40 LB/ACRE
RED TOP	10 LB/ACRE
FERTILIZER:	
NITROGEN NUTRIENTS	90 LB/ACRE
PHOSPHOROUS NUTRIENTS	90 LB/ACRE
POTASSIUM NUTRIENTS	90 LB/ACRE

PLANTING TIMES SHALL BE MARCH 1 TO JUNE 1 AND AUGUST 1 TO NOVEMBER 15.
- EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SEEDED SLOPES 3:1 OR GREATER IN ACCORDANCE WITH SECTION 3.3.3 OF THE PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- MULCH SHALL BE APPLIED ON ALL SEEDED SLOPES FLATTER THAN 3:1 IN ACCORDANCE WITH MoDOT STANDARD SPECIFICATION SECTION 805.
- PAVEMENT MARKINGS SHALL CONSIST OF YELLOW ACRYLIC WATERBORNE PAINT. PAINT SHALL BE APPLIED AT A THICKNESS OF 15 MILS AND IN ACCORDANCE WITH APPLICABLE CONSTRUCTION REQUIREMENTS OF MoDOT STANDARD SPECIFICATION SECTION 620. RETROREFLECTIVITY AND GLASS BEADS ARE NOT REQUIRED.
- ALL SIGNAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MANUAL ON URBAN TRAFFIC CONTROL DEVICES (MUTCD) 2009 EDITION WITH REVISIONS NUMBERS 1 & 2 INCORPORATED DATED MAY 2012.

LEGEND

	PROPOSED TREE REMOVAL LIMITS
	PROPOSED ASPHALT SITE ACCESS ROAD
	PROPOSED CONCRETE SITE ENTRANCE
	PROPOSED TYPE 5 ROCK SURFACE
	PROPOSED ROCK LINED DITCH
	PROPOSED ROCK BLANKET
	PROPOSED SEEDING LIMITS
	PROPOSED DETENTION BASIN BIORETENTION
	PROPOSED PERIMETER FENCE
	PROPOSED DITCH LINE
	PROPOSED SILT FENCE
	EXISTING OVERHEAD ELECTRIC
	PROPOSED WATER LINE
	PROPOSED YARD HYDRANT
	PROPOSED POWER POLE
	PROPOSED LIGHT POLE
	ADA ACCESSIBLE PARKING
	PARKING STALL
	FLARED END SECTION
	TEMPORARY EROSION CONTROL LOG



SITE ORIENTATION PLAN



BMCD# 77051
 420 S. WOODS BLVD
 O'FALLON, MO 63367
 (314) 682-1500

Date: 06/27/2014
 Mark R. Harrison
 Professional Engineer
 #E-22292

REV	PROJ ID	DATE	DRWN	RWN	APPD

O'FALLON RENEWABLE ENERGY CENTER

SITE ORIENTATION PLAN & GENERAL NOTES

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