

PROJECT APPROVAL DOCUMENT  
for  
APPROVAL OF ACTIVITIES OR PROJECTS EXCEEDING \$20,000.00

LEXINGTON-KUGLER ACB 108 CONVERSION

Order #4610786

I. Scope of Project:

THIS ORDER WILL BE TO CONVERT THE DISTRIBUTION  
VOLTAGE TO 13.8 Y KV ON BREAKER 108

INSTALLATION OF: 2-3 PHASE CONVENTIONAL XFORMER MTGS, 1  
CONVENTIONAL AND 2-CSP XFOREMR MTGS., INSTALLING 2-45/3 POLES, 5-  
40/3 POLES, 1-40/1 POLE, 2-35/5 POLES, 18- 100 AMP CUTOUPS, 75- 10 KV  
ARRESTORS, 9-10 KV UG RISER ARRESTORS, 9 GROUNDS, 2- 13.8KV 300  
KVAR CAPICATOR UPGRADES, 4 CT 120/208 PADMOUNT METERING  
UPGRADES, INSTALLING, 1-100 KVA, 18-50 KVA, 47-25 KVA, CONVENTIONAL  
XFORMERS, 1-50 KVA, AND 3-25 KVA CSP XFORMERS, 1-300 KVA ,AND 2-75  
KVA 120/208 PADMOUNT XFORMERS, INSTALLING APPROXIMATELY 4500'-  
1/0 ACSR OH PRIMARY, 7500' OF 1/0 WP AA SECONDARY, WHICH WILL  
ELIMINATE SEVERAL TRANSFORMER REPLACEMENTS, AND INSTALLING  
450' OF 350 MCM UNDERGROUND SECONDARY WIRE WHICH WILL  
ELIMINATE 2 NON-STANDARD PADMOUNT XFORMER INSTALLATIONS..

RETIREMENT Units of Property: REMOVAL OF 3 KV ARRESTORS, 2.4 KV  
XFORMERS, 3-35' POLES, 2-40' POLES AND OH SECONDARY THAT WILL NOT  
BE NEEDED, APPROXIMATELY 2000' OF # 6 CU PRIMARY, 2-2.4 KV 3 PHASE  
CAPICATOR BANKS, AND 5-CT METERING INSTALLATIONS WHICH WILL BE  
UPGRADED

THIS APPROVAL WILL ALSO CONSIST OF THE ESTIMATED CONSTRUCTION  
LABOR AND DISTRICT VEHICLES REQUIRED TO COMPLETE THE FINAL  
VOLTAGE CONVERSION PHASES OF THE PROJECT.

II. Project Justification: THE CITY OF LEXINGTON HAS REQUESTED THE  
SYSTEM VOLTAGE FOR BREAKER 108 OF THE KUGLER SUB TO BE  
CHANGED TO 13.8 KV AND THE RETIREMENT OF THE 4.16 KV SYSTEM  
IN PLACE AT THE PRESENT TIME

III. Project Schedule: FEBRUARY-APRIL 20008

IV. Estimated Project Costs: \$275,539.86

V. Approval/Disapproval

The undersigned representative(s) of the City of Lexington and Nebraska Public Power District APPROVE/DISAPPROVE (circle one) the above-described project expenditures.

City of Lexington

Nebraska Public Power District

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)

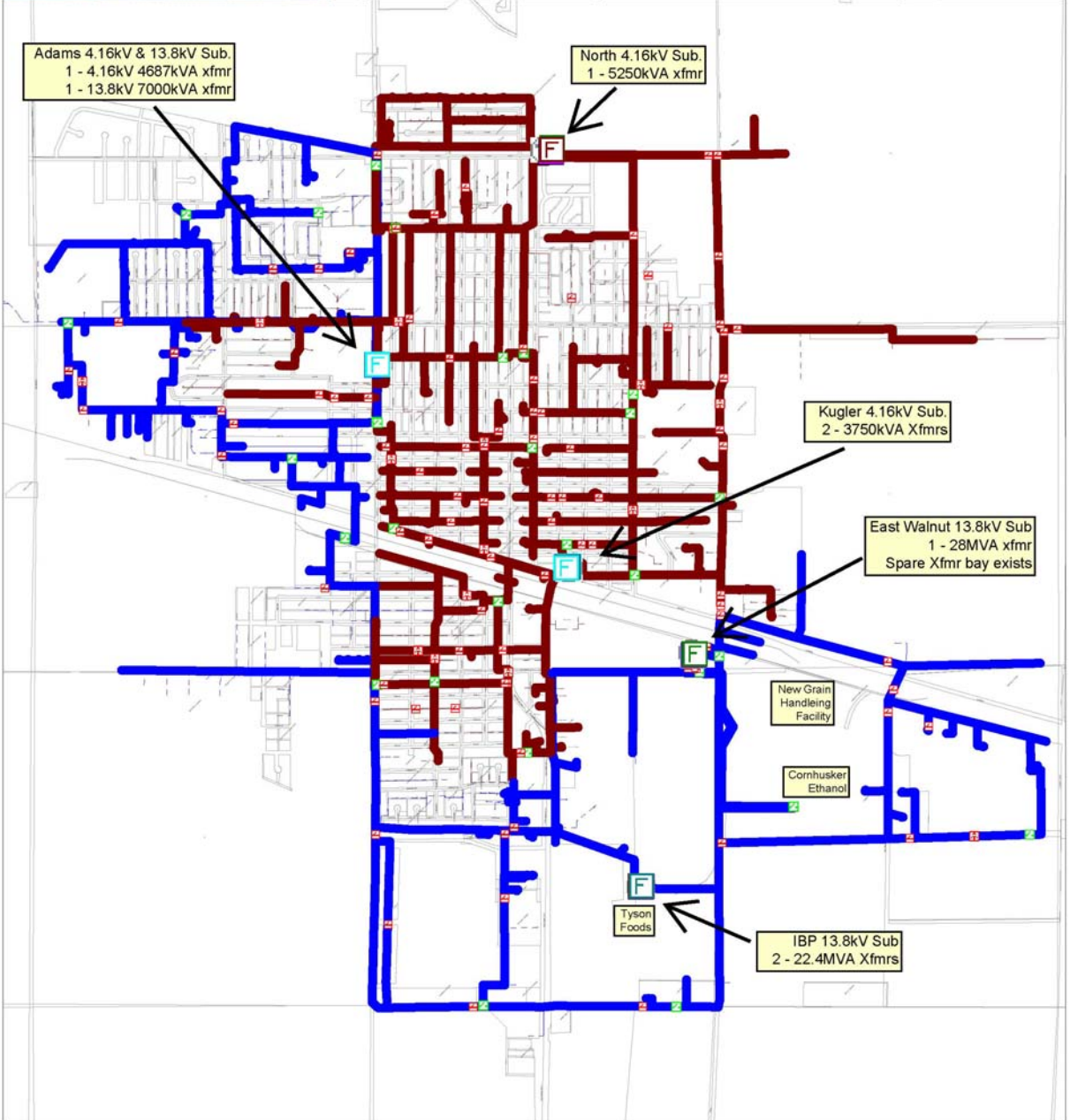
\_\_\_\_\_  
(Title)

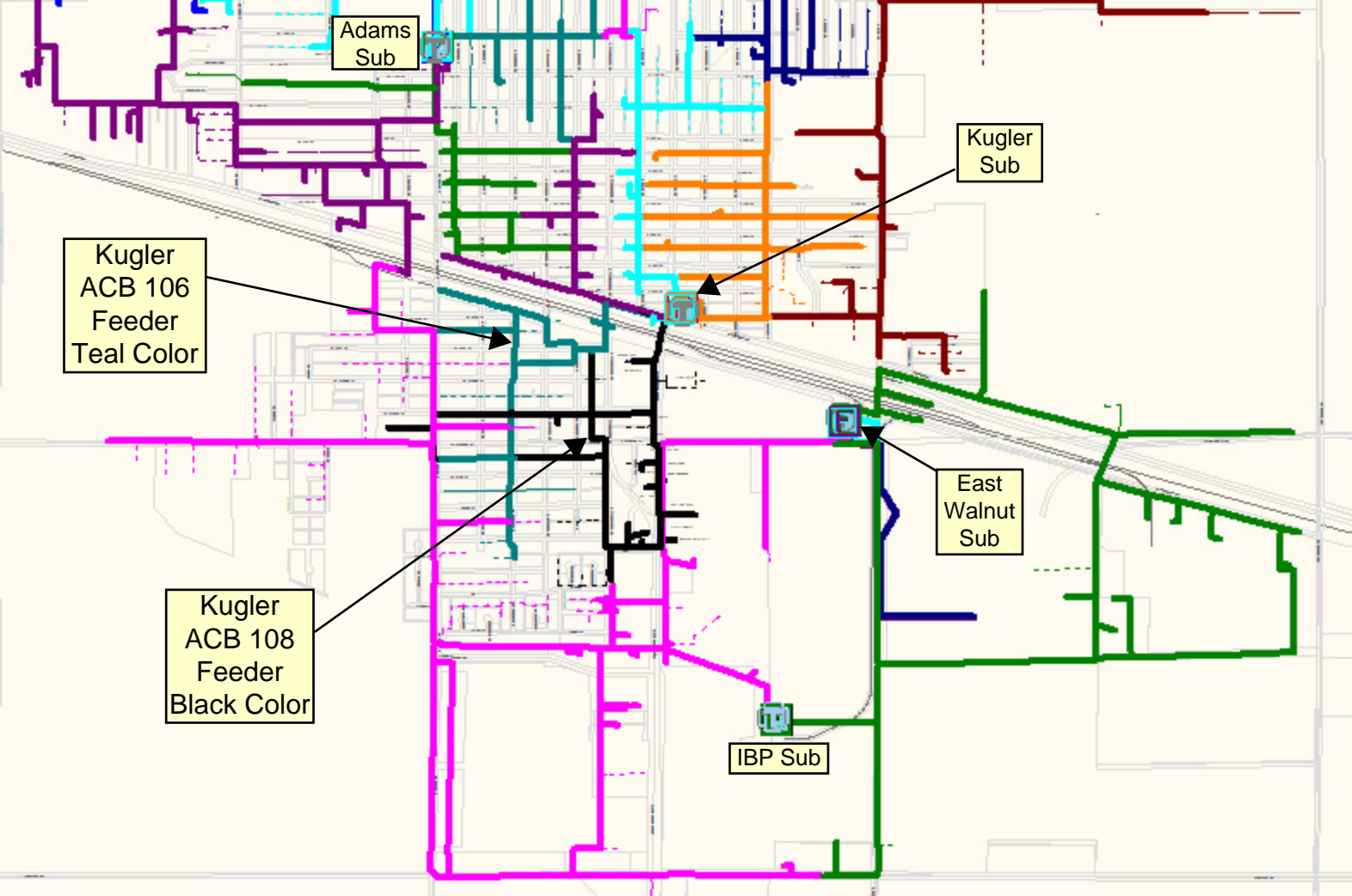
Date: \_\_\_\_\_

Date: 1-25-2008

VI. Upon the approval of the above described project by both parties, this project will be performed in accordance with the terms and provisions of the Electric System Operation Agreement executed by Nebraska Public Power District and City of Lexington.

\*Send original to Lori Killion, York Operations Center





Adams Sub

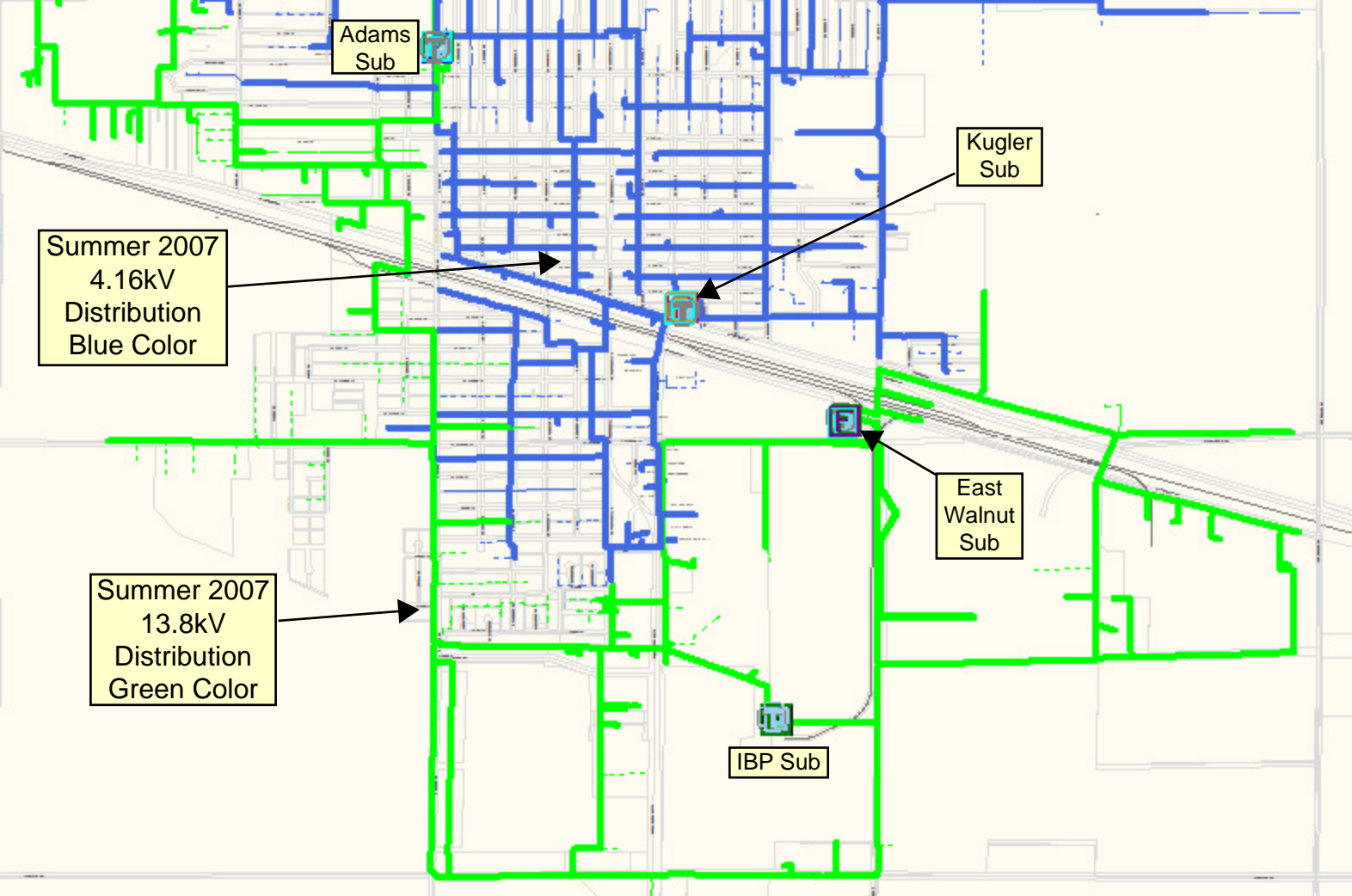
Kugler Sub

Kugler ACB 106 Feeder Teal Color

East Walnut Sub

Kugler ACB 108 Feeder Black Color

IBP Sub



Adams Sub

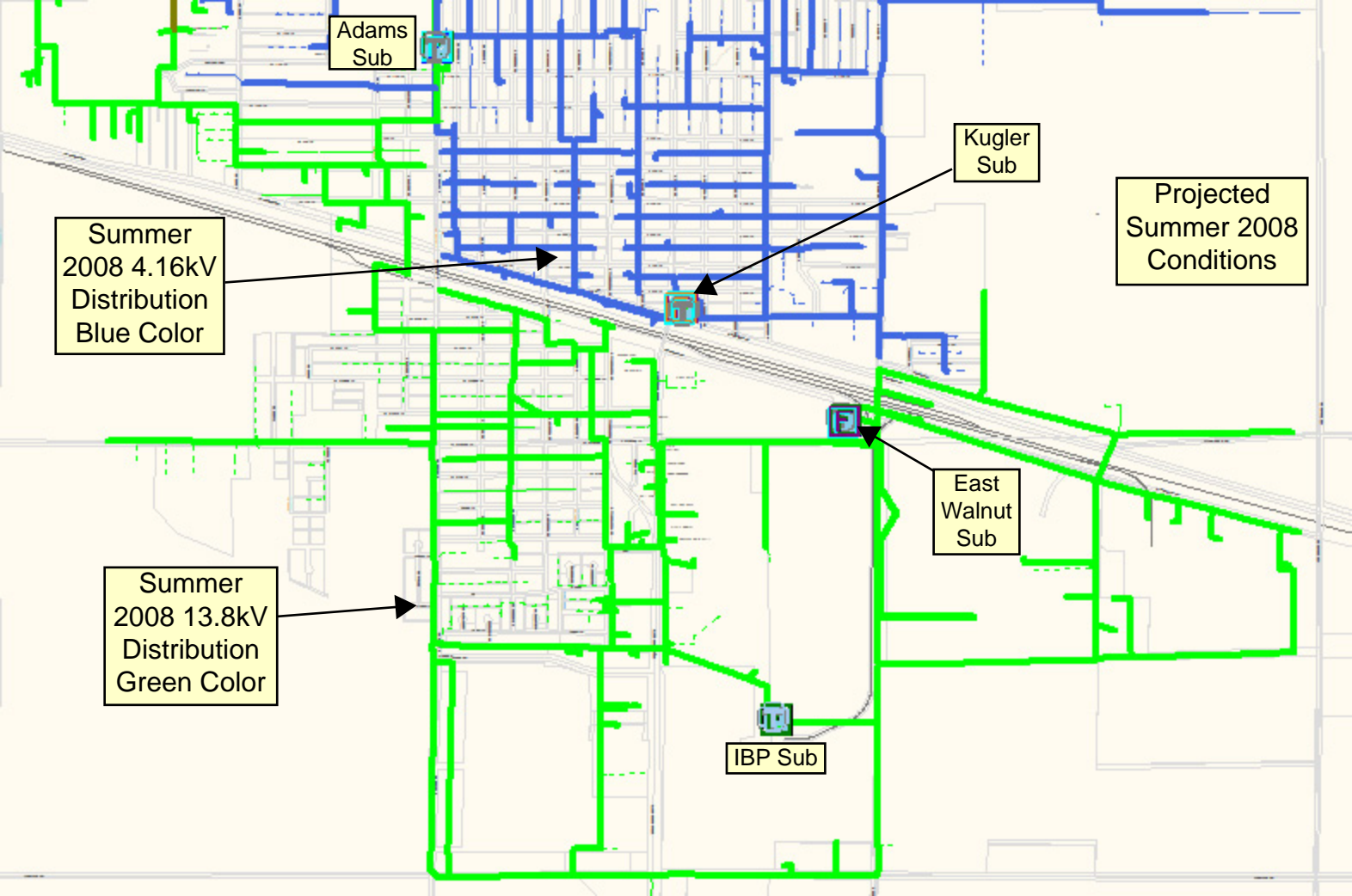
Kugler Sub

Summer 2007  
4.16kV  
Distribution  
Blue Color

Summer 2007  
13.8kV  
Distribution  
Green Color

East Walnut Sub

IBP Sub



Adams Sub

Kugler Sub

Projected Summer 2008 Conditions

Summer 2008 4.16kV Distribution Blue Color

Summer 2008 13.8kV Distribution Green Color

East Walnut Sub

IBP Sub



Projected  
Summer 2008  
Conditions

East Walnut  
ACB 224  
Feeder  
Magenta  
Color

IBP Sub ACB  
202 Feeder  
Green Color

