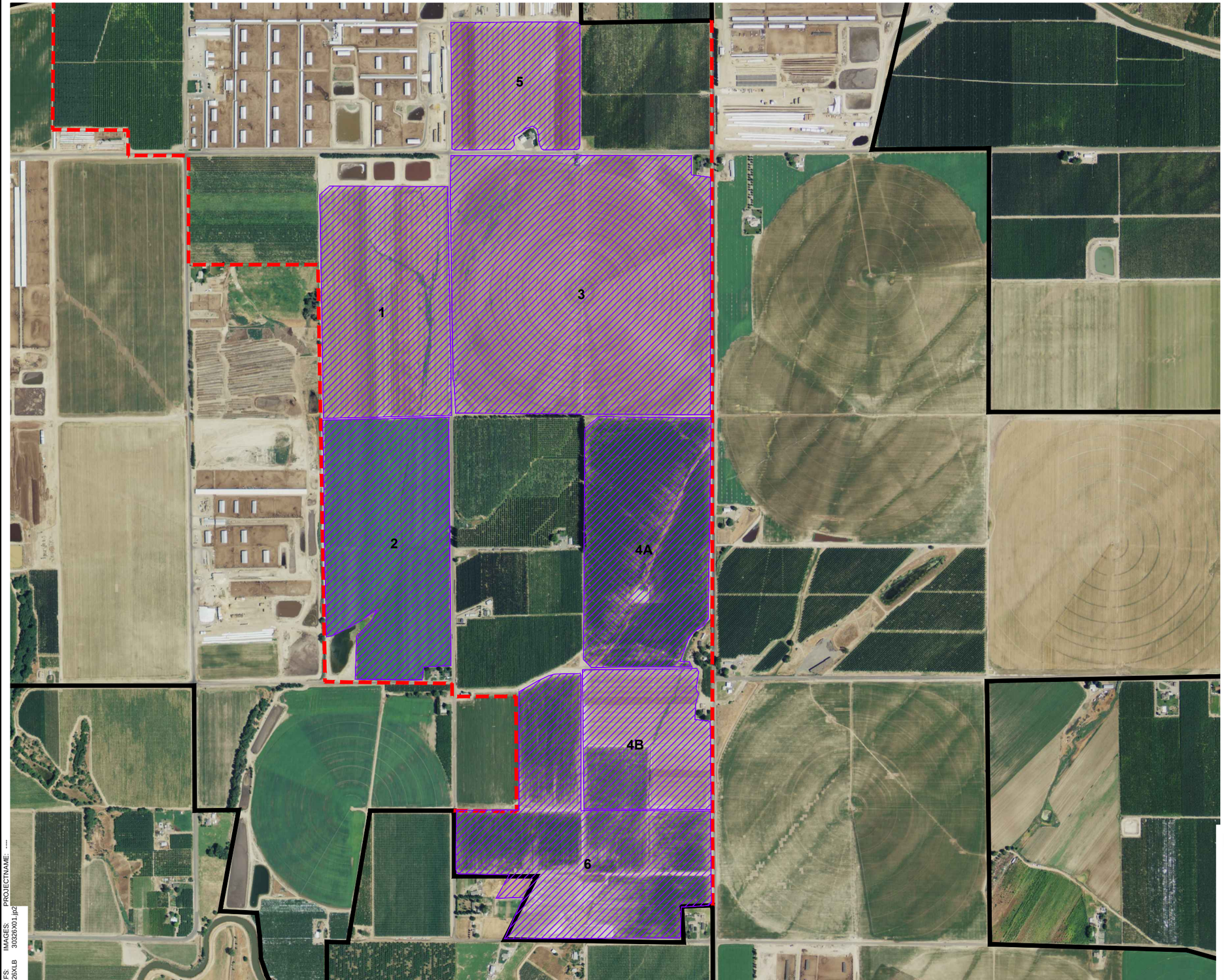


LEGEND:

- APPROXIMATE BOUNDARY OF DAIRY FACILITIES
- COW PALACE DAIRY APPLICATION FIELDS AS "SP–SU–" FIELD NUMBER
- RESPONDENTS OWNERSHIP BOUNDARIES

0 1000' 2000'

GRAPHIC SCALE

SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

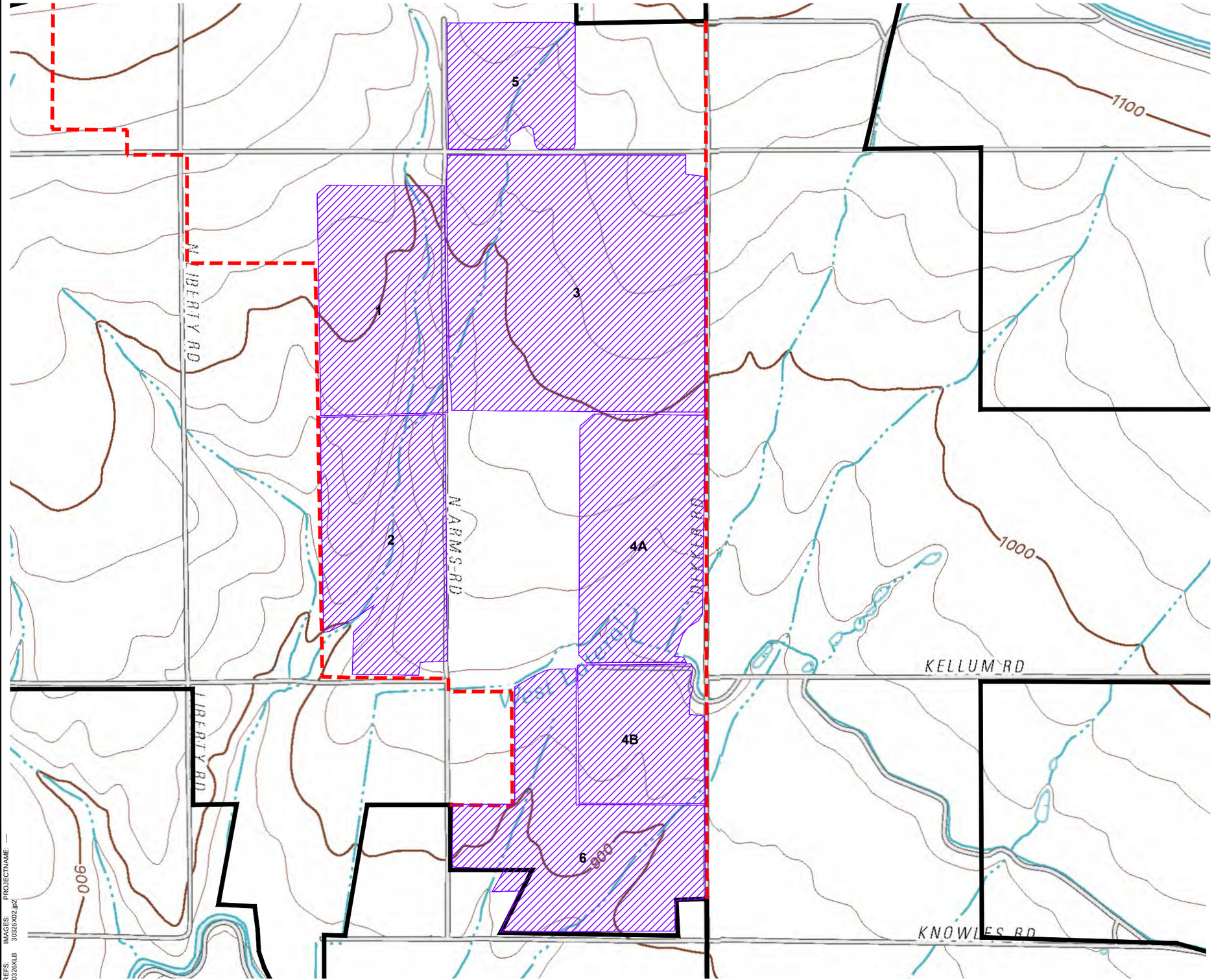
COW PALACE DAIRY
SDWA-10-2013-0080
IRRIGATION WATER MANAGEMENT PLAN

LOCATION MAP

ARCADIS

FIGURE
1

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\03326\0000\0001\DWG\WMP\30326B01.dwg LAYOUT: 1 SAVED: 9/3/2013 2:30 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/4/2013 10:41 AM BY: SCHILLING, ADAM
XREFS: 30326XLB IMAGES: 30326X01.jp2 PROJECTNAME: ----



LEGEND:

- APPROXIMATE BOUNDARY OF DAIRY FACILITIES
- COW PALACE DAIRY APPLICATION FIELDS AS "CP–SU–" FIELD NUMBER
- RESPONDENTS OWNERSHIP BOUNDARIES

0 1000' 2000'

GRAPHIC SCALE

YAKIMA VALLEY DAIRIES
SDWA-10-2013-0080
IRRIGATION WATER MANAGEMENT PLAN

AREA TOPOGRAPHY

ARCADIS

FIGURE
2

SOURCE: UNITED STATES GEOLOGICAL SURVEY;GRANGER, WA QUADRANGLE, 2011.

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\SK030326\0000\0001\DWG\WMP30326B04.dwg LAYOUT: 2 SAVED: 5/16/2013 8:21 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/3/2013 2:28 PM BY: SCHILLING, ADAM
XREFS: 30326XLB IMAGES: 30326X02.jp2 PROJECTNAME: ----

SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 300' 600'

GRAPHIC SCALE

LEGEND:

■	SOIL MOISTURE SENSOR
Fi2	– FINLEY SILT LOAM, 2 TO 5% SLOPES
Sc2	– SCOON SILT LOAM, 2 TO 5% SLOPES
Sc5	– SCOON SILT LOAM, 5 TO 8% SLOPES
Sc8	– SCOON SILT LOAM, 8 TO 15% SLOPES
Sh8	– SHANO SILT LOAM, 8 TO 15% SLOPES
Wa2	– WARDEN SILT LOAM, 2 TO 5% SLOPES
Wa5	– WARDEN SILT LOAM, 5 TO 8% SLOPES
Wa8	– WARDEN SILT LOAM, 8 TO 15% SLOPES
Wa15	– WARDEN SILT LOAM, 15 TO 30% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

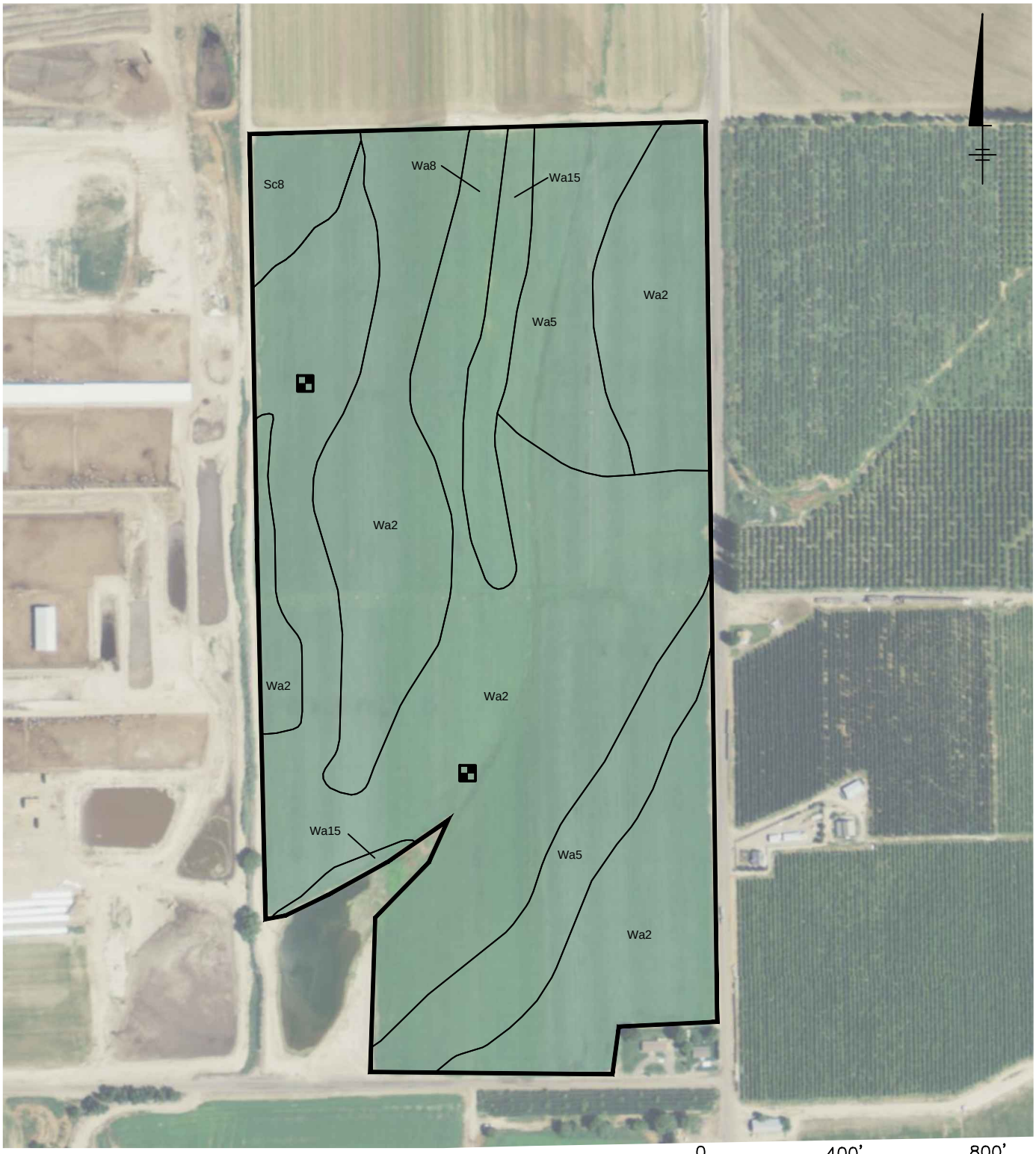
IRRIGATION WATER MANAGEMENT PLAN

CP-SU-1

ARCADIS

FIGURE
3

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\K0\30326\0000\00001\DWG\WMP\30326B03.dwg LAYOUT: 3 SAVED: 9/5/2013 2:21 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:45 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA IMAGES: 30326X01.jp2 PROJECTNAME: ----



SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 400' 800'

GRAPHIC SCALE

LEGEND:

■	SOIL MOISTURE SENSOR
Sc8	– SCOON SILT LOAM, 8 TO 15% SLOPES
Wa2	– WARDEN SILT LOAM, 2 TO 5% SLOPES
Wa5	– WARDEN SILT LOAM, 5 TO 8% SLOPES
Wa8	– WARDEN SILT LOAM, 8 TO 15% SLOPES
Wa15	– WARDEN SILT LOAM, 15 TO 30% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

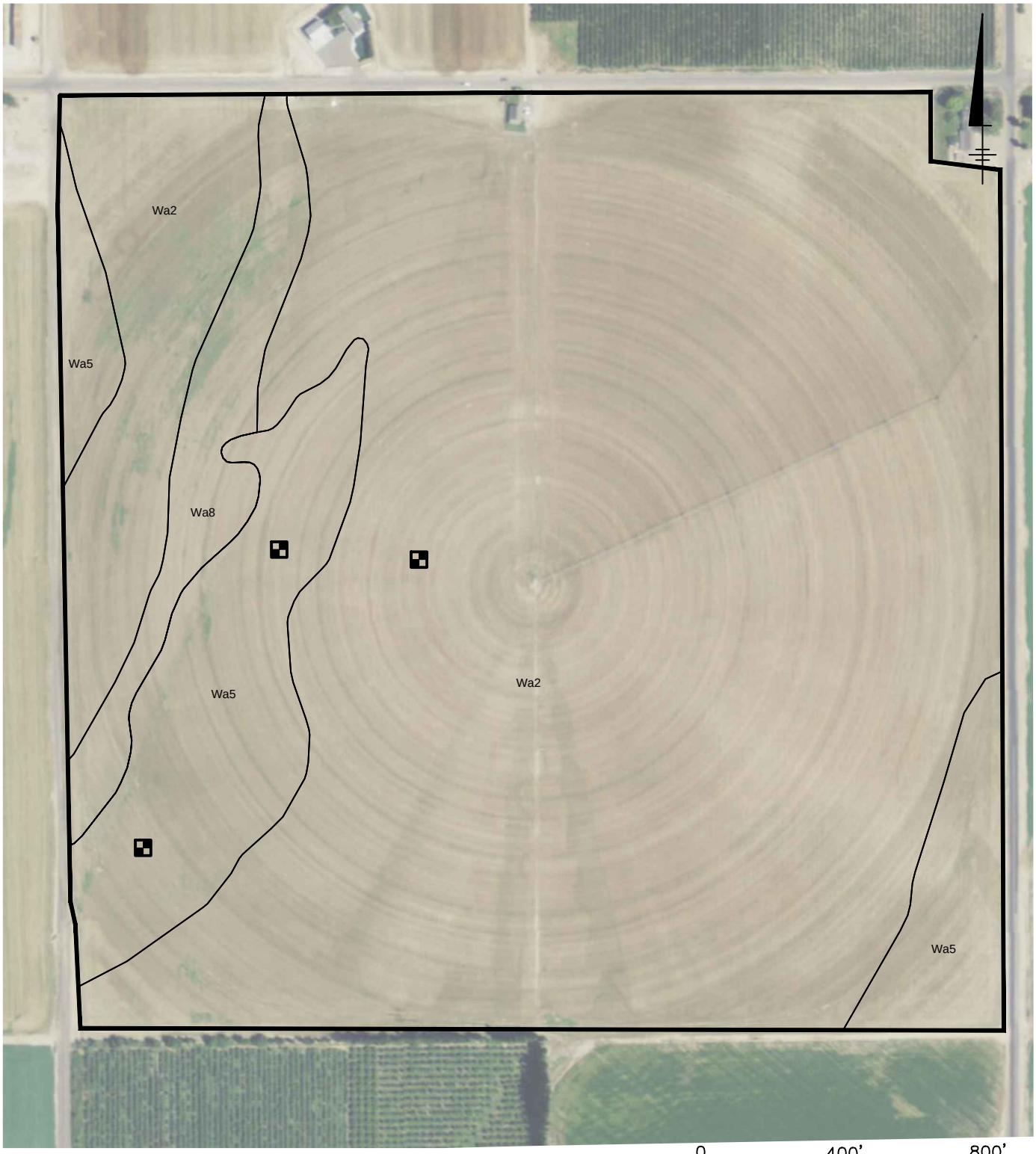
IRRIGATION WATER MANAGEMENT PLAN

CP-SU-2

ARCADIS

FIGURE
4

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\K03026\0000\00001\DWG\WMP\30326B04.dwg LAYOUT: 4 SAVED: 9/5/2013 2:42 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:47 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA
IMAGES: 30326X01.jp2
PROJECTNAME: ----



SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 400' 800'

GRAPHIC SCALE

LEGEND:

■	SOIL MOISTURE SENSOR
Wa2	– WARDEN SILT LOAM, 2 TO 5% SLOPES
Wa5	– WARDEN SILT LOAM, 5 TO 8% SLOPES
Wa8	– WARDEN SILT LOAM, 8 TO 15% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

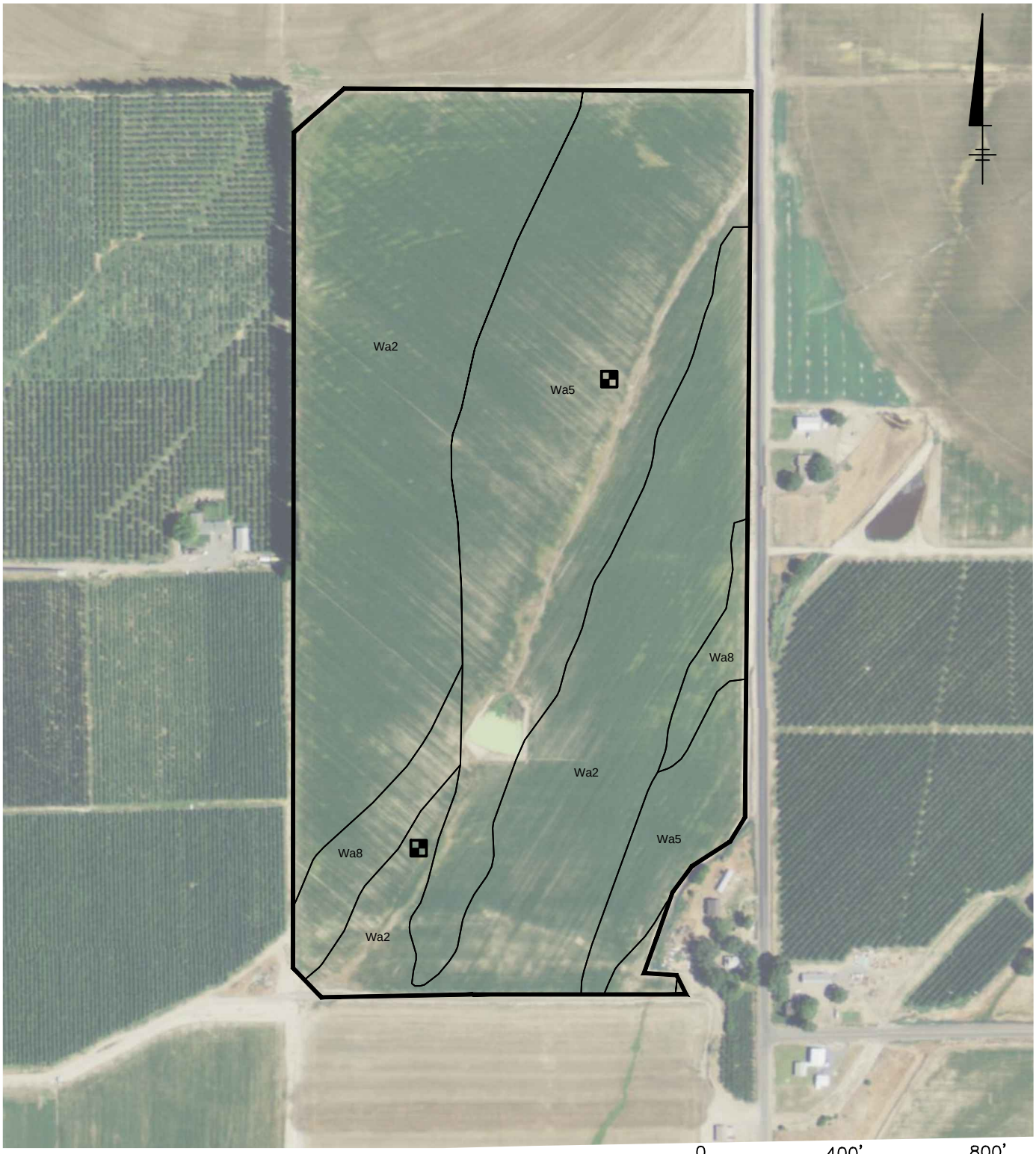
IRRIGATION WATER MANAGEMENT PLAN

CP-SU-3

ARCADIS

FIGURE
5

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\K03026\0000\00001\DWG\WMP\30326B05.dwg LAYOUT: 5 SAVED: 9/5/2013 2:39 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:48 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA
IMAGES: 30326X01.jp2
PROJECTNAME: ----



SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 400' 800'

GRAPHIC SCALE

LEGEND:

■	SOIL MOISTURE SENSOR
Wa2	– WARDEN SILT LOAM, 2 TO 5% SLOPES
Wa5	– WARDEN SILT LOAM, 5 TO 8% SLOPES
Wa8	– WARDEN SILT LOAM, 8 TO 15% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

IRRIGATION WATER MANAGEMENT PLAN

CP-SU-4A

ARCADIS

FIGURE
6

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTISK\03026\0000\00001\DWG\WMP\30326B06.dwg LAYOUT: 6 SAVED: 9/5/2013 2:37 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:49 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA
IMAGES: 30326X01.jp2
PROJECTNAME: ----

SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 300' 600'

GRAPHIC SCALE

LEGEND:

■	SOIL MOISTURE SENSOR
Wa2	– WARDEN SILT LOAM, 2 TO 5% SLOPES
Wa5	– WARDEN SILT LOAM, 5 TO 8% SLOPES
Wa8	– WARDEN SILT LOAM, 8 TO 15% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

IRRIGATION WATER MANAGEMENT PLAN

CP-SU-4B

ARCADIS

FIGURE
7

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\K0\30326\0000\00001\DWG\WMP\30326B07.dwg LAYOUT: 7 SAVED: 9/5/2013 2:35 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:51 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA
IMAGES: 30326X01.jp2
PROJECTNAME: ----

SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 200' 400'

GRAPHIC SCALE

LEGEND:

- SOIL MOISTURE SENSOR
- Wa2 – WARDEN SILT LOAM, 2 TO 5% SLOPES
- Wa5 – WARDEN SILT LOAM, 5 TO 8% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

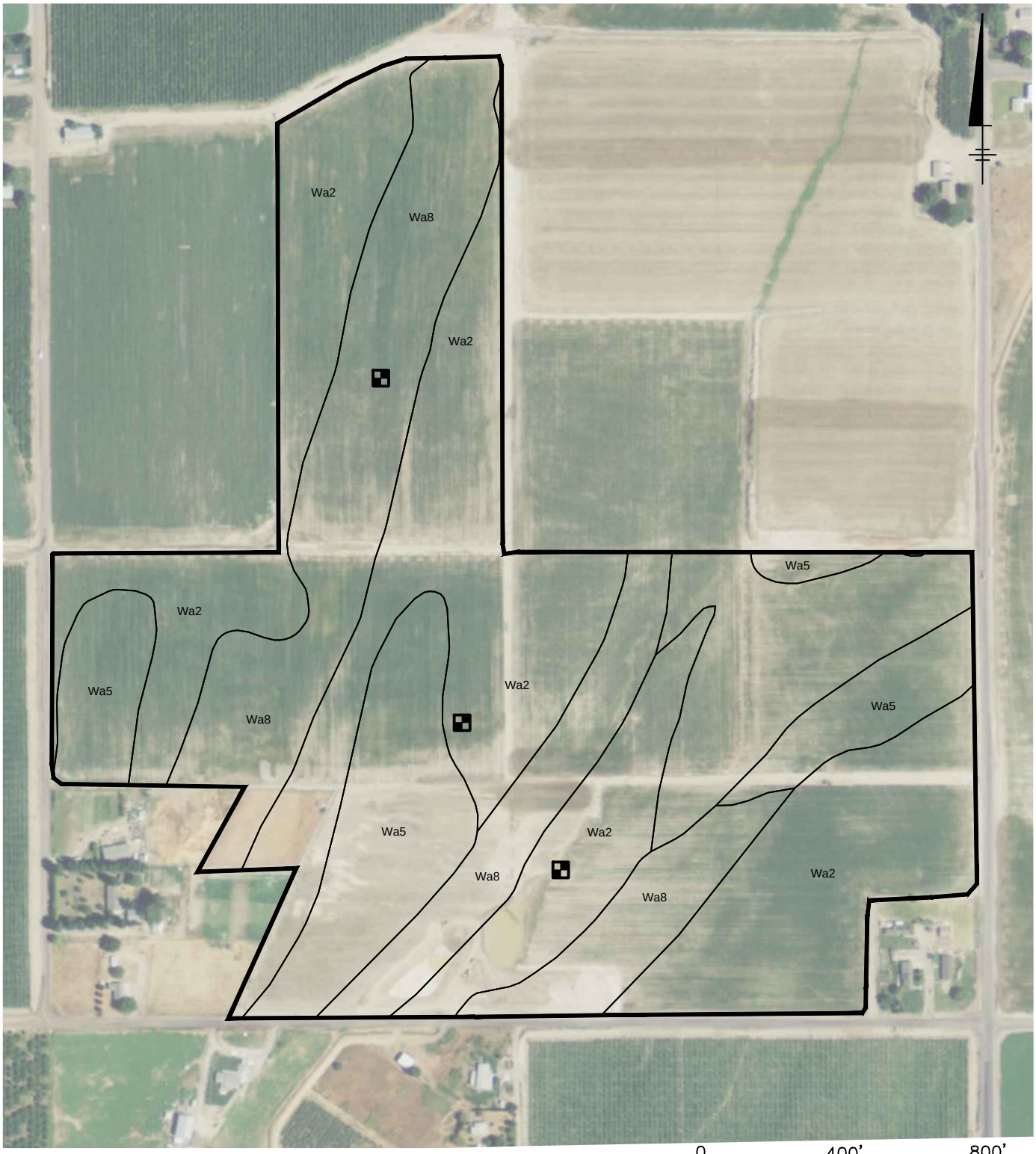
IRRIGATION WATER MANAGEMENT PLAN

CP-SU-5

ARCADIS

FIGURE
8

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\K03326\0000\00001\DWG\WMP\30326B08.dwg LAYOUT: 8 SAVED: 9/5/2013 2:34 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:53 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA
IMAGES: 30326X01.jp2
PROJECTNAME: ----



SOURCE: WASHINGTON 2011 NAIP ORTHO-IMAGERY-18 INCH DATA, WASHINGTON STATE ORTHOIMAGE PORTAL [HTTP://GEOGRAPHY.WA.GOV/ORTHO]

0 400' 800'

GRAPHIC SCALE

LEGEND:

■	SOIL MOISTURE SENSOR
Es0	– ESQUATZEL SILT LOAM, 0 TO 2% SLOPES
Wa2	– WARDEN SILT LOAM, 2 TO 5% SLOPES
Wa5	– WARDEN SILT LOAM, 5 TO 8% SLOPES
Wa8	– WARDEN SILT LOAM, 8 TO 15% SLOPES

COW PALACE DAIRY
SDWA-10-2013-0080

IRRIGATION WATER MANAGEMENT PLAN

CP-SU-6

ARCADIS

FIGURE
9

CITY:(Reqd) DIV/GROUP:IM/DM /ENVCAD DB:A. Schilling, R. BASSETT LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIS\K03326\0000\00001\DWG\WMP\30326B09.dwg LAYOUT: 9 SAVED: 9/5/2013 2:32 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/5/2013 2:55 PM BY: SCHILLING, ADAM
XREFS: 30326XLB 30326X04 30326XPA
IMAGES: 30326X01.jp2
PROJECTNAME: ----