

NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 50354
This item to be completed by the Division of Water Resources.

Water Resources
Received

APPLICATION FOR PERMIT TO
APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

FEB 24 2020
1:29
KS Dept Of Agriculture

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502

1. Name of Applicant (Please Print): Randy L. & Shelly Shumate
Address: 11207 Wildfire RD
City: Minneola State Kansas Zip Code 67865
Telephone Number: (620) 885-5065

2. The source of water is: [] surface water in (stream)
OR [x] groundwater in Crooked Creek (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 256(190ad) acre-feet OR gallons per calendar year,
to be diverted at a maximum rate of 400 (115ad) gallons per minute OR cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can NOT be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) [] Artificial Recharge (b) [x] Irrigation (c) [] Recreational (d) [] Water Power
(e) [] Industrial (f) [] Municipal (g) [] Stockwatering (h) [] Sediment Control
(i) [] Domestic (j) [] Dewatering (k) [] Hydraulic Dredging (l) [] Fire Protection
(m) [] Thermal Exchange (n) [] Contamination Remediation

YOU MUST COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

FIELD OFFICE IS 2

For Office Use Only:
F.O. [x] GMD [] Meets K.A.R. 5-3-1 (YES/NO) Use FRK Source G/S County CA By Date
Code RE62 Fee \$ 300 TR # Receipt Date 2-24-20 Check # 1751

3/10/2020
LMoody

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the NE quarter of the NE quarter of the NE quarter of Section 6, more particularly described as being near a point 5135 feet North and 35 feet West of the Southeast corner of said section, in Township 30 South, Range 25 East West (circle one), Clark County, Kansas.
- (B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Kevin, Sheri Maybury 1906 Giltshire Dr. Colorado Springs Co. 80905-4224
(name, address and telephone number)
719-629-6460
(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on 2-19, 2020 Randy Skurat
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of one well, one pump, one pivot.
(number of wells, pumps or dams, etc.)
 and (was)(will be) completed (by) as soon as possible
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be asap
(Mo/Day/Year)

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

✓ 10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- ✓ (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

P/D and P/U overlap with file number 15736. Will be limited to 256 AF on the place of use when combined with file number 15736.

Water Resources
Received

FEB 24 2020

13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	See	Attached	_____	_____
Total depth of well	92 1/2 ft	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	63 ft	_____	_____	_____
Depth to bottom of pump intake pipe	85 ft	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of tenant
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):
Kevin Sheri Maybury 1906 Giltshire Dr. Colorado Springs Co. 80905-4022
(name, address and telephone number)
719-629-6460
(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at 2-19-2020, Kansas, this 19 day of February, 2020.
(Minneola) Ks. (month) (year)

Randy Skurat
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

FEB 24 2020

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 50,354

KS Dept Of Agriculture

Name of Applicant (Please Print): Randy L & Shelly Shumate

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Randy L & Shelly Shumate

ADDRESS: 11207 Wildfire RD, Minneola, KS 67865

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6	30S	25W	40	40	40	40													160

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Penden Clay loam</u>	<u>49.5%</u>	<u>4.2</u>	<u>X</u>
<u>Harney silt loam</u>	<u>36.0%</u>	<u>.74</u>	
<u>King down sandy loam</u>	<u>13.5%</u>	<u>.45</u>	
<u>Ness silty clay</u>	<u>1.0%</u>	<u>.61</u>	
<u>Total:</u>	<u>100%</u>		

b. Estimate the average land slope in the field(s): 1 %

Estimate the maximum land slope in the field(s): 2 %

c. Type of irrigation system you propose to use (check one):

Center pivot Center pivot - LEPA "Big gun" sprinkler
 Gravity system (furrows) Gravity system (borders) Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater:

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 14 psi

(2) What is the sprinkler package design rate? 375 gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? 10 feet
five foot spacing

✓ (4) Please include a copy of the sprinkler package design information. est

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

Cotton

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

Crop consultant
Field connect - H2O sensors

You may attach any additional information you believe will assist in informing the Division of the need for your request.

FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	\$200.00
101-320	✓ \$500.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons
1 million gallons equal 3.07 acre-feet

Water Resources
Received

FEB 24 2020

KS Dept Of Agriculture

LOCATION OF WATER WELL: Fraction SE 1/4 NE 1/4 SE 1/4 Section Number 6 Township Number T 30 S Range Number R 25 E (W)
 County: Clark
 Distance and direction from nearest town or city street address of well if located within city?
1 North, 4 West, 1/4 North

WATER WELL OWNER: Arlene Davis (Dean Bush)
 #, St. Address, Box #: _____ Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Minneapolis, KS. 67865 Application Number: _____

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

N	
---	---
NW	NE
---	---
W	E
---	---
SW	SE
---	---
S	

DEPTH OF COMPLETED WELL 100 ft. ELEVATION: _____
 Depth(s) Groundwater Encountered 1. 65 ft. 2. 90 ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL 65 ft. below land surface measured on mo/day/yr 9-4-85
 Pump test data: Well water was 50 ft. after 1 1/2 hours pumping 30 gpm
 Est. Yield 50 gpm Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter 8 3/4 in. to _____ ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 Domestic Feedlot Oil field water supply Dewatering Other (Specify below)
 Irrigation Industrial Lawn and garden only Observation well
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No _____; If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes No _____

TYPE OF BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped _____
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____
 7 Fiberglass Threaded _____
 Blank casing diameter 5 in. to 60 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface 24 in., weight _____ lbs./ft. Wall thickness or gauge No. 200.16
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____
 GREEN-PERFORATED INTERVALS: From 60 ft. to 100 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 15 ft. to 100 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout Intervals: From 4 ft. to 15 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage _____
 Direction from well? South How many feet? 200

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	5	Topsoil			
5	22	Sand			
22	27	white clay + sand			
27	45	brown clay + sand			
45	65	brown clay			
65	85	gravel			
85	90	Clay (Brown)			
90	94	gravel			
94	100	brown clay			

CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 9-20-85 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 101A This Water Well Record was completed on (mo/day/yr) 9-24-85
 Under the business name of Bentel Dry by (signature) Robert Bentel
 INSTRUCTIONS: Use typewriter or ball point pen, PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY
T 30
R 25
E W

2-20-2020
(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Water Resources
Received

Re: Application
File No. _____

FEB 24 2020

Minimum Desirable Streamflow

Dear Sir: KS Dept Of Agriculture

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Randy Shumat
Signature of Applicant

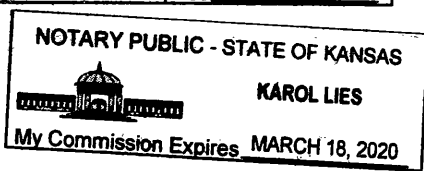
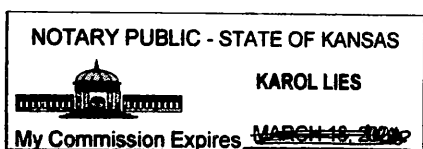
State of Kansas)
County of Clark) ss

RANDY SHUMATE
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 20 day of February 20.

Karol Lies
Notary Public

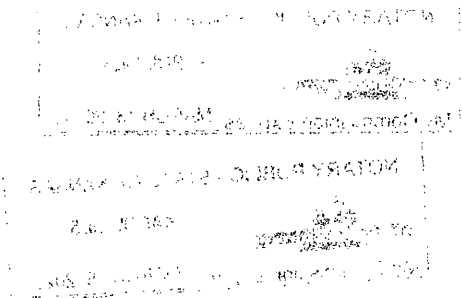
My Commission Expires:
3-18-2020



**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

- | | |
|---------------------------------|----------------------------|
| Arkansas River | Ninnescah River |
| Big Blue River | North Fork Ninnescah River |
| Chapman Creek | Rattlesnake Creek |
| Chikaskia River | Republican River |
| Cottonwood River | Saline River |
| Delaware River | Smoky Hill River |
| Little Arkansas River | Solomon River |
| Little Blue River | South Fork Ninnescah |
| Marais des Cygnes River | Spring River |
| Medicine Lodge River | Walnut River |
| Mill Creek (Wabaunsee Co. area) | Whitewater River |
| Neosho River | |



Sprinkler Package Design!

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**
 Field Name



Sprinkler Order No Randy Shumate 30 in

Parent Order No

Valley Standard Pivot 7000 Percent Timer Data

Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.091 (in) Hours Per Revolution = 14.2

Based on IN		
IN Per 360 degrees	Pivot % Timer	Hours Per 360 degrees
0.091	100.0	14.2
0.10	91.2	15.6
0.20	45.6	31.1
0.30	30.4	46.7
0.40	22.8	62.3
0.50	18.2	78.0
0.60	15.2	93.4
0.70	13.0	109.2
0.80	11.4	124.6
0.90	10.1	140.6
1.00	9.1	156.0
1.25	7.3	194.5
1.50	6.1	232.8
1.75	5.2	273.1

Based on % Timer		
Pivot % Timer	IN Per 360 degrees	Hours Per 360 degrees
100.0	0.091	14.2
90.0	0.10	15.8
80.0	0.11	17.8
70.0	0.13	20.3
60.0	0.15	23.7
50.0	0.18	28.4
45.0	0.20	31.6
40.0	0.23	35.5
35.0	0.26	40.6
30.0	0.30	47.3
25.0	0.36	56.8
20.0	0.46	71.0
17.5	0.52	81.1
15.0	0.61	94.7
12.5	0.73	113.6
10.0	0.91	142.0
7.5	1.22	189.3
5.0	1.82	284.0

Field Area
123.9 (Ac) Total 123.9 (Ac)Pivot 360° (Ac) EG on 100% 1310.7 (ft)Machine Length (ft)End Gun Radius

Flow
360 (GPM) 2.91 (GPM per Acre) 0.15 (in per day) App Rate 0.091 (in) App Depth @ 100% 0.0 (GPM) End Gun

Pressure
14 (PSI) Pivot Pressure Calculated Pressure 5(ft) Highest Elevation 5(ft) Lowest Elevation

LRDU Drive Train
34 RPM Center Drive @ 60 Hz freq. 11.2 x 38 Tire S2:1Wheel GB Ratio, LRDU Dist 1274.5(ft) 14.2 Hrs/360 @ 100% (9.45) (Ft per Min)

Disclaimer

The information presented in the attached Percent Timer Report is based on variables which cannot be totally controlled by Valmont (including, but not limited to; pivot pressure, inside pipeline surface, end gun throw, end gun arc setting, tire slippage, tire pressure, field slopes, soil variations, sprinkler package installation, well capacity, center drive motor voltage, center drive motor frequency, climatic conditions and other elements and circumstances beyond Valmont's reasonable control). Valmont recommends monitoring the machine for at least one pass through field to obtain an accurate rotation time.

Water Resources Received

FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**
 Field Name

Sprinkler Order No **Randy Shumate 30 in**

Valley Standard Pivot 7000 Machine Summary

Pressure Loss

Pipe Length (ft)	Pipe I.D. (in)	Pipe Finish	C-Factor	Loss (PSI)
1292.6	6.42	Galvanized	150	2.3
18.1	3.79	Galvanized	150	0.3
Total =				2.6

Span Flow

Span Number	Irrigated Length (ft)	Area (Ac)	Rqd (GPM)	Act (GPM)	Rqd (GPM per Acre)	Act (GPM per Acre)	% Deviation
1	169.9	2.4	6.7	9.2	2.86	3.89	36.1
2	180.1	7.0	20.1	20.1	2.86	2.85	-0.2
3	180.1	11.7	33.5	33.6	2.86	2.87	0.4
4	180.1	16.4	46.8	46.8	2.86	2.86	-0.1
5	180.1	21.1	60.2	60.2	2.86	2.86	-0.0
6	186.8	26.8	76.6	76.6	2.86	2.86	-0.0
7	186.5	31.8	90.8	90.7	2.86	2.86	-0.1
O/H	36.2	6.8	19.8	19.7	2.94	2.92	-0.5
Totals		124		356.9			
		Drain Sprinkler	5.3	5.4			
		Total Machine Flow		362.3			

Advanced Options

Drain Sprinkler = Senninger Directional
 Last Sprinkler Coverage = 1 ft
 Sprinkler Coverage Length = 1311.7 ft
 Use Last Coupler= YES
 Minimum Mainline Pressure = 6 PSI

Shipping Options

Ship Drop Hardware
 Do not ship Endgun Nozzle
 Do not ship Endgun & Hardware
 Do not ship Endgun Valve / Nozzle Valve Hardware
 Do not ship Boosterpump Hardware

Water Resources
 Received

FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**

Currency **US(\$)**

Customer **RADIUS IRRIGATION, LLC**

Field Name

Valley Standard Pivot 7000 Bill Of Mate

Qty	Part Number	Description
1	0211059	NPL MS 3/4 X 12 GVSCH 40
378	0227206	REG PR 6 PSI 3/4 FEM X 3/4 FEM PSR-2
46	0227210	REG PR 10 PSI 3/4 FEM X 3/4 FEM PSR-2
1	0231122	GAE MS 0-30 PSI PRESSURE GAUGE
1	0241006	FIT ER 3/4 X 90 GV
1	0241012	FIT ES 3/4 X 90 GV
1	0244038	FIT PB 1 X 3/4 GVRREDUCER
1	0246046	FIT CA 2 GV NPT
424	0246222	FIT MS 3/4 MNPT X 3/4 HOSE BARB PLASTIC U-PIPE
424	0271077	HSE IT 3/4" MNPT X 3/4" HOSE BARB
424	0271080	HSE CL 1 1/16" HOSECLAMP-CRIMP
424	0271084	HSE CL 1 1/4 S.S. HOSEDROP CLAMP
424	0430032	SENNINGER MAGNUM WEIGHT- SLIP
1	0496160	ORANGE SPRAY NZ #16 ORF .250
1	0601572	SPK PD SENN LDN PADBLACK
423	0601593	SPK PD SENN LDN PADBLACK 24
424	0601654	SPK LDN UP3 BRACKET
17	0601659	NZ UP3 #4 LIGHT BLUE
27	0601660	NZ UP3 #4.5 LIGHT BLUE NOTCHED
41	0601661	NZ UP3 #5 BEIGE
48	0601662	NZ UP3 #5.5 BEIGE NOTCHED
51	0601663	NZ UP3 #6 GOLD
58	0601664	NZ UP3 #6.5 GOLD NOTCHED
51	0601665	NZ UP3 #7 LIME
53	0601666	NZ UP3 #7.5 LIME NOTCHED
59	0601667	NZ UP3 #8 LAVENDER
16	0601668	NZ UP3 #8.5 LAVENDER NOTCHED
2	0601669	NZ UP3 #9 GREY
1	0601675	NZ UP3 #12 RED
378	0601724	LDN SHROUD UP3
378	0601725	LDN SHROUD UP3 SPACER
23	0950049	PREMIUM BLUE PIVOT IRRHOSE 3/4" (250')
1		PRDCTD COOP & PRODUCT PROMOTION

Total Net Weight (lbs):

Bill of Materials W/O Pricing - 02/20/2020

Water Resources
Received


FEB 24 2020

Parent Order No

Dealer RADIUS IRRIGATION, LLC
Customer RADIUS IRRIGATION, LLC
Field Name

Sprinkler Order No Randy Shumate 30 in

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
1	5.4			Gauge						14.0			
				Sprinkler : Senninger Spray									
													
2	14.4	1		4	Light Blue	LDN - UP3	Black 24 Grv	116	PSR-2 10A	13.7	11.4	0.1	0.4
3	23.4	2	9.0	4	Light Blue	LDN - UP3	Black 24 Grv	123	PSR-2 10A	13.4	11.4	0.1	0.4
4	32.4	3	9.0	4	Light Blue	LDN - UP3	Black 24 Grv	129	PSR-2 10A	13.1	11.4	0.1	0.4
5	41.4	4	9.0	4	Light Blue	LDN - UP3	Black 24 Grv	134	PSR-2 10A	12.8	11.4	0.1	0.4
6	46.2			Plug									
7	48.6	5	7.1	4	Light Blue	LDN - UP3	Black 24 Grv	138	PSR-2 10A	12.7	11.4	0.1	0.4
8	51.1			Plug									
9	53.6			Plug									
10	56.1	6	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	141	PSR-2 10A	12.5	11.4	0.2	0.4
11	58.6			Plug									
12	61.1			Plug									
13	63.6	7	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	144	PSR-2 10A	12.4	11.4	0.2	0.4
14	66.1			Plug									
15	68.6			Plug									
16	71.1	8	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	146	PSR-2 10A	12.2	11.4	0.2	0.4
17	73.6			Plug									
18	76.1			Plug									
19	78.6	9	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	147	PSR-2 10A	12.1	11.4	0.2	0.4
20	81.1			Plug									
21	83.6			Plug									
22	86.1	10	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	148	PSR-2 10A	12.0	11.4	0.3	0.4
23	88.6			Plug									
24	91.1			Plug									
25	93.5	11	7.4	4	Light Blue	LDN - UP3	Black 24 Grv	148	PSR-2 10A	12.0	11.4	0.3	0.4
26	96.0			Plug									
27	98.5			Plug									
28	101.0	12	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	148	PSR-2 10A	11.9	11.4	0.3	0.4
29	103.5			Plug									

Water Resources
Received
FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**
 Field Name

Sprinkler Order No **Randy Shumate 30 in**

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
30	106.0			Plug									
31	108.5	13	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	148	PSR-2 10A	11.9	11.4	0.3	0.4
32	111.0			Plug									
33	113.5			Plug									
34	116.0	14	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	146	PSR-2 10A	11.9	11.4	0.4	0.4
35	118.5			Plug									
36	121.0			Plug									
37	123.5	15	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	144	PSR-2 10A	11.9	11.4	0.4	0.4
38	126.0			Plug									
39	128.5			Plug									
40	131.0	16	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	142	PSR-2 10A	12.0	11.4	0.4	0.4
41	133.5			Plug									
42	136.1			Plug									
43	138.6	17	7.6	4.5	Lt Blue Notched	LDN - UP3	Black 24 Grv	139	PSR-2 10A	12.0	11.4	0.4	0.5
44	141.1			Plug									
45	143.6			Plug									
46	146.1	18	7.5	4	Light Blue	LDN - UP3	Black 24 Grv	136	PSR-2 10A	12.1	11.4	0.5	0.4
47	148.6			Plug									
48	151.1			Plug									
49	153.6	19	7.5	4.5	Lt Blue Notched	LDN - UP3	Black 24 Grv	132	PSR-2 10A	12.2	11.4	0.5	0.5
50	156.1			Plug									
51	158.6			Plug									
52	161.1	20	7.5	4.5	Lt Blue Notched	LDN - UP3	Black 24 Grv	127	PSR-2 10A	12.3	11.4	0.5	0.5
53	163.6			Plug									
54	166.1			Plug									
55	168.6	21	7.5	4.5	Lt Blue Notched	LDN - UP3	Black 24 Grv	122	PSR-2 10A	12.4	11.4	0.5	0.5
56	171.1			Plug									
57	173.6			Plug									
58	176.1	22	7.5	5	Beige	LDN - UP3	Black 24 Grv	116	PSR-2 10A	12.6	11.4	0.6	0.6
59	178.6			Plug									
	180.9												
Tower Number : 1 Span Length(ft) : 179.9													
60	181.0			Plug									
61	183.8	23	7.7	5	Beige	LDN - UP3	Black 24 Grv	115	PSR-2 10A	12.6	11.4	0.6	0.6

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**
Field Name

Sprinkler Order No **Randy Shumate 30 in**

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
62	186.3			Plug									
63	188.8			Plug									
64	191.3	24	7.5	5	Beige	LDN - UP3	Black 24 Grv	121	PSR-2 10A	12.3	11.4	0.6	0.6
65	193.8			Plug									
66	196.3			Plug									
67	198.8	25	7.5	5	Beige	LDN - UP3	Black 24 Grv	126	PSR-2 10A	12.1	11.4	0.6	0.6
68	201.3			Plug									
69	203.8			Plug									
70	206.3	26	7.5	5	Beige	LDN - UP3	Black 24 Grv	131	PSR-2 10A	11.8	11.4	0.6	0.6
71	208.8			Plug									
72	211.3			Plug									
73	213.8	27	7.5	5.5	Beige Notched	LDN - UP3	Black 24 Grv	136	PSR-2 10A	11.6	11.4	0.7	0.7
74	216.3			Plug									
75	218.8			Plug									
76	221.3	28	7.5	5.5	Beige Notched	LDN - UP3	Black 24 Grv	140	PSR-2 10A	11.4	11.4	0.7	0.7
77	223.8			Plug									
78	226.3			Plug									
79	228.7	29	7.4	5.5	Beige Notched	LDN - UP3	Black 24 Grv	143	PSR-2 10A	11.3	11.4	0.7	0.7
80	231.2			Plug									
81	233.7			Plug									
82	236.2	30	7.5	5.5	Beige Notched	LDN - UP3	Black 24 Grv	146	PSR-2 10A	11.1	11.4	0.7	0.7
83	238.7			Plug									
84	241.2			Plug									
85	243.7	31	7.5	5.5	Beige Notched	LDN - UP3	Black 24 Grv	148	PSR-2 10A	11.0	11.4	0.8	0.7
86	246.2			Plug									
87	248.7			Plug									
88	251.2	32	7.5	5.5	Beige Notched	LDN - UP3	Black 24 Grv	150	PSR-2 10A	10.9	11.4	0.8	0.7
89	253.7			Plug									
90	256.2			Plug									
91	258.7	33	7.5	6	Gold	LDN - UP3	Black 24 Grv	151	PSR-2 10A	10.8	11.4	0.8	0.9
92	261.2			Plug									
93	263.7			Plug									
94	266.2	34	7.5	6	Gold	LDN - UP3	Black 24 Grv	152	PSR-2 10A	10.7	11.4	0.8	0.9

Default Sprinkler Chart - 02/20/2020

Water Resources
 Received
FEB 24 2020
 KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
95	268.7			Plug									
96	271.2			Plug									
97	273.6	35	7.4	6	Gold	LDN - UP3	Black 24 Grv	152	PSR-2 10A	10.7	11.4	0.8	0.9
98	276.1			Plug									
99	278.6			Plug									
100	281.1	36	7.5	6	Gold	LDN - UP3	Black 24 Grv	152	PSR-2 10A	10.6	11.4	0.9	0.9
101	283.6			Plug									
102	286.1			Plug									
103	288.6	37	7.5	6	Gold	LDN - UP3	Black 24 Grv	151	PSR-2 10A	10.6	11.4	0.9	0.9
104	291.1			Plug									
105	293.6			Plug									
106	296.1	38	7.5	6	Gold	LDN - UP3	Black 24 Grv	149	PSR-2 10A	10.6	11.4	0.9	0.9
107	298.6			Plug									
108	301.1			Plug									
109	303.6	39	7.5	6.5	Gold Notched	LDN - UP3	Black 24 Grv	147	PSR-2 10A	10.7	11.4	0.9	1.0
110	306.1			Plug									
111	308.6			Plug									
112	311.1	40	7.5	6.5	Gold Notched	LDN - UP3	Black 24 Grv	144	PSR-2 10A	10.7	11.4	1.0	1.0
113	313.6			Plug									
114	316.2			Plug									
115	318.7	41	7.6	6.5	Gold Notched	LDN - UP3	Black 24 Grv	141	PSR-2 10A	10.8	11.4	1.0	1.0
116	321.2			Plug									
117	323.7			Plug									
118	326.2	42	7.5	6.5	Gold Notched	LDN - UP3	Black 24 Grv	137	PSR-2 10A	10.9	11.4	1.0	1.0
119	328.7			Plug									
120	331.2			Plug									
121	333.7	43	7.5	6.5	Gold Notched	LDN - UP3	Black 24 Grv	133	PSR-2 10A	11.0	11.4	1.0	1.0
122	336.2			Plug									
123	338.7			Plug									
124	341.2	44	7.5	6.5	Gold Notched	LDN - UP3	Black 24 Grv	128	PSR-2 10A	11.1	11.4	1.1	1.0
125	343.7			Plug									
126	346.2			Plug									
127	348.7	45	7.5	6.5	Gold Notched	LDN - UP3	Black 24 Grv	122	PSR-2 10A	11.3	11.4	1.1	1.0

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
128	351.2			Plug									
129	353.7			Plug									
130	356.2	46	7.5	6	Gold	LDN - UP3	Black 24 Grv	116	PSR-2 10A	11.4	11.4	0.9	0.9
131	358.7			Plug									
	361.0												

Tower Number : 2 Span Length(ft) : 180.1

Sprinkler : Senninger Spray



132	361.1	47	5.0	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	136	PSR-26A	11.5	7.3	0.6	0.6
133	363.9	48	2.7	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	139	PSR-26A	11.4	7.3	0.4	0.4
134	366.4	49	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	141	PSR-26A	11.4	7.3	0.4	0.4
135	368.9	50	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	143	PSR-26A	11.3	7.3	0.4	0.4
136	371.4	51	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	145	PSR-26A	11.2	7.3	0.4	0.4
137	373.9	52	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	147	PSR-26A	11.1	7.3	0.4	0.4
138	376.4	53	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	149	PSR-26A	11.0	7.3	0.4	0.4
139	378.9	54	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-26A	10.9	7.3	0.4	0.4
140	381.4	55	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-26A	10.8	7.3	0.4	0.4
141	383.9	56	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	154	PSR-26A	10.8	7.3	0.4	0.4
142	386.4	57	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-26A	10.7	7.3	0.4	0.4
143	388.9	58	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-26A	10.6	7.3	0.4	0.4
144	391.4	59	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-26A	10.6	7.3	0.4	0.4
145	393.9	60	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-26A	10.5	7.3	0.4	0.5
146	396.4	61	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-26A	10.4	7.3	0.4	0.4
147	398.9	62	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-26A	10.4	7.3	0.4	0.4
148	401.4	63	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-26A	10.3	7.3	0.4	0.4
149	403.9	64	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-26A	10.2	7.3	0.4	0.5
150	406.5	65	2.6	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-26A	10.2	7.3	0.4	0.4
151	408.8	66	2.3	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-26A	10.1	7.3	0.4	0.4
152	411.3	67	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-26A	10.1	7.3	0.4	0.5
153	413.8	68	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-26A	10.0	7.3	0.4	0.4
154	416.3	69	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-26A	10.0	7.3	0.4	0.5
155	418.8	70	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-26A	9.9	7.3	0.4	0.4
156	421.3	71	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	9.9	7.3	0.4	0.5

Water Resources
Received

FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
157	423.8	72	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	9.9	7.3	0.4	0.4
158	426.3	73	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-26A	9.8	7.3	0.4	0.5
159	428.8	74	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	9.8	7.3	0.4	0.5
160	431.3	75	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	9.7	7.3	0.4	0.4
161	433.8	76	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	9.7	7.3	0.4	0.5
162	436.3	77	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	9.7	7.3	0.4	0.5
163	438.8	78	2.5	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	9.7	7.3	0.5	0.4
164	441.3	79	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.6	7.3	0.5	0.5
165	443.8	80	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.6	7.3	0.5	0.5
166	446.3	81	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.6	7.3	0.5	0.5
167	448.8	82	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.6	7.3	0.5	0.5
168	451.3	83	2.6	4.5	Lt Blue Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.6	7.3	0.5	0.4
169	453.7	84	2.3	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.5	7.3	0.5	0.5
170	456.2	85	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.5	7.3	0.5	0.5
171	458.7	86	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.5	7.3	0.5	0.5
172	461.2	87	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	9.5	7.3	0.5	0.5
173	463.7	88	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	9.5	7.3	0.5	0.5
174	466.2	89	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	9.5	7.3	0.5	0.5
175	468.7	90	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	9.5	7.3	0.5	0.5
176	471.2	91	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	9.5	7.3	0.5	0.5
177	473.7	92	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	9.5	7.3	0.5	0.5
178	476.2	93	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-26A	9.5	7.3	0.5	0.5
179	478.7	94	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	9.5	7.3	0.5	0.5
180	481.2	95	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	9.5	7.3	0.5	0.5
181	483.7	96	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-26A	9.5	7.3	0.5	0.6
182	486.2	97	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-26A	9.6	7.3	0.5	0.5
183	488.7	98	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-26A	9.6	7.3	0.5	0.5
184	491.2	99	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-26A	9.6	7.3	0.5	0.6
185	493.7	100	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-26A	9.6	7.3	0.5	0.5
186	496.3	101	2.6	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-26A	9.6	7.3	0.5	0.6
187	498.8	102	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-26A	9.7	7.3	0.5	0.5
188	501.3	103	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-26A	9.7	7.3	0.5	0.5
189	503.8	104	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-26A	9.7	7.3	0.5	0.6

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
190	506.3	105	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-26A	9.8	7.3	0.5	0.5
191	508.8	106	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-26A	9.8	7.3	0.5	0.6
192	511.3	107	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	158	PSR-26A	9.8	7.3	0.5	0.5
193	513.8	108	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-26A	9.9	7.3	0.5	0.6
194	516.3	109	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-26A	9.9	7.3	0.5	0.5
195	518.8	110	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-26A	10.0	7.3	0.5	0.6
196	521.3	111	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-26A	10.0	7.3	0.5	0.6
197	523.8	112	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-26A	10.1	7.3	0.5	0.5
198	526.3	113	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-26A	10.1	7.3	0.5	0.6
199	528.8	114	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-26A	10.2	7.3	0.5	0.6
200	531.3	115	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	144	PSR-26A	10.2	7.3	0.5	0.5
201	533.8	116	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	142	PSR-26A	10.3	7.3	0.5	0.6
202	536.3	117	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	140	PSR-26A	10.3	7.3	0.6	0.6
203	538.8	118	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	138	PSR-26A	10.4	7.3	0.6	0.6
541.1 Tower Number : 3 Span Length(ft) : 180.1													
204	541.3	119	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	136	PSR-26A	10.5	7.3	0.6	0.6
205	544.0	120	2.7	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	139	PSR-26A	10.4	7.3	0.6	0.6
206	546.5	121	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	141	PSR-26A	10.3	7.3	0.6	0.6
207	549.0	122	2.5	5	Beige	LDN - UP3 W/Shroud	Black 24 Grv	143	PSR-26A	10.2	7.3	0.6	0.5
208	551.5	123	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	145	PSR-26A	10.1	7.3	0.6	0.6
209	554.0	124	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	147	PSR-26A	10.0	7.3	0.6	0.6
210	556.5	125	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	149	PSR-26A	10.0	7.3	0.6	0.6
211	559.0	126	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-26A	9.9	7.3	0.6	0.6
212	561.5	127	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-26A	9.8	7.3	0.6	0.6
213	564.0	128	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	154	PSR-26A	9.8	7.3	0.6	0.6
214	566.5	129	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-26A	9.7	7.3	0.6	0.6
215	569.0	130	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-26A	9.7	7.3	0.6	0.6
216	571.5	131	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-26A	9.6	7.3	0.6	0.6
217	574.0	132	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-26A	9.5	7.3	0.6	0.6
218	576.5	133	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-26A	9.5	7.3	0.6	0.6
219	579.0	134	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-26A	9.4	7.3	0.6	0.6
220	581.5	135	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-26A	9.4	7.3	0.6	0.6
221	584.0	136	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-26A	9.3	7.3	0.6	0.7

Default Sprinkler Chart - 02/20/2020

Water Resources
Received

FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
222	586.6	137	2.6	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-2 6A	9.3	7.3	0.6	0.6
223	588.9	138	2.3	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-2 6A	9.2	7.3	0.6	0.6
224	591.4	139	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-2 6A	9.2	7.3	0.6	0.6
225	593.9	140	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-2 6A	9.2	7.3	0.6	0.7
226	596.4	141	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-2 6A	9.1	7.3	0.6	0.6
227	598.9	142	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	9.1	7.3	0.6	0.6
228	601.4	143	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	9.1	7.3	0.6	0.7
229	603.9	144	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	9.0	7.3	0.6	0.6
230	606.4	145	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	9.0	7.3	0.6	0.7
231	608.9	146	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	9.0	7.3	0.6	0.6
232	611.4	147	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	9.0	7.3	0.6	0.7
233	613.9	148	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.9	7.3	0.6	0.6
234	616.4	149	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.9	7.3	0.6	0.7
235	618.9	150	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.9	7.3	0.6	0.6
236	621.4	151	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.6	0.7
237	623.9	152	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.6	0.7
238	626.4	153	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.6	0.6
239	628.9	154	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.7	0.7
240	631.5	155	2.6	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.6	0.6
241	633.8	156	2.3	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.6	0.7
242	636.3	157	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.7	0.7
243	638.8	158	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.7	0.7
244	641.3	159	2.5	5.5	Beige Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.9	7.3	0.7	0.6
245	643.8	160	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.9	7.3	0.7	0.7
246	646.3	161	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.9	7.3	0.7	0.7
247	648.8	162	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.9	7.3	0.7	0.7
248	651.3	163	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.9	7.3	0.7	0.7
249	653.8	164	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.9	7.3	0.7	0.7
250	656.3	165	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	8.9	7.3	0.7	0.7
251	658.8	166	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.9	7.3	0.7	0.7
252	661.3	167	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	9.0	7.3	0.7	0.7
253	663.8	168	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	9.0	7.3	0.7	0.7
254	666.3	169	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-2 6A	9.0	7.3	0.7	0.7

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
255	668.8	170	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-2 6A	9.0	7.3	0.7	0.7
256	671.3	171	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-2 6A	9.1	7.3	0.7	0.7
257	673.8	172	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-2 6A	9.1	7.3	0.7	0.7
258	676.4	173	2.6	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-2 6A	9.1	7.3	0.7	0.7
259	678.9	174	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-2 6A	9.2	7.3	0.7	0.7
260	681.4	175	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-2 6A	9.2	7.3	0.7	0.7
261	683.9	176	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-2 6A	9.3	7.3	0.7	0.7
262	686.4	177	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-2 6A	9.3	7.3	0.7	0.7
263	688.9	178	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-2 6A	9.4	7.3	0.7	0.7
264	691.4	179	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	158	PSR-2 6A	9.4	7.3	0.7	0.8
265	693.9	180	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-2 6A	9.5	7.3	0.7	0.7
266	696.4	181	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-2 6A	9.5	7.3	0.7	0.7
267	698.9	182	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-2 6A	9.6	7.3	0.7	0.8
268	701.4	183	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-2 6A	9.6	7.3	0.7	0.7
269	703.9	184	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-2 6A	9.7	7.3	0.7	0.7
270	706.4	185	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-2 6A	9.7	7.3	0.7	0.8
271	708.9	186	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-2 6A	9.8	7.3	0.7	0.7
272	711.4	187	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	144	PSR-2 6A	9.9	7.3	0.7	0.7
273	713.9	188	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	142	PSR-2 6A	9.9	7.3	0.7	0.8
274	716.4	189	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	140	PSR-2 6A	10.0	7.3	0.7	0.7
275	718.9	190	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	138	PSR-2 6A	10.1	7.3	0.7	0.8
721.2	Tower Number : 4 Span Length(ft) : 180.1												
276	721.4	191	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	136	PSR-2 6A	10.2	7.3	0.8	0.8
277	724.1	192	2.7	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	139	PSR-2 6A	10.1	7.3	0.8	0.8
278	726.6	193	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	141	PSR-2 6A	10.0	7.3	0.7	0.7
279	729.1	194	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	143	PSR-2 6A	9.9	7.3	0.8	0.7
280	731.6	195	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	145	PSR-2 6A	9.8	7.3	0.8	0.8
281	734.1	196	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	147	PSR-2 6A	9.8	7.3	0.8	0.8
282	736.6	197	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	149	PSR-2 6A	9.7	7.3	0.8	0.7
283	739.1	198	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-2 6A	9.6	7.3	0.8	0.8
284	741.6	199	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-2 6A	9.6	7.3	0.8	0.7
285	744.1	200	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	154	PSR-2 6A	9.5	7.3	0.8	0.8
286	746.6	201	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-2 6A	9.4	7.3	0.8	0.8

Water Resources
 Received
 FEB 24 2020

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
287	749.1	202	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-2 6A	9.4	7.3	0.8	0.8
288	751.6	203	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-2 6A	9.3	7.3	0.8	0.7
289	754.1	204	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-2 6A	9.3	7.3	0.8	0.8
290	756.6	205	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-2 6A	9.2	7.3	0.8	0.8
291	759.1	206	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-2 6A	9.2	7.3	0.8	0.8
292	761.6	207	2.5	6	Gold	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-2 6A	9.1	7.3	0.8	0.7
293	764.1	208	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-2 6A	9.1	7.3	0.8	0.8
294	766.7	209	2.6	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-2 6A	9.0	7.3	0.8	0.8
295	769.0	210	2.3	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-2 6A	9.0	7.3	0.8	0.8
296	771.5	211	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-2 6A	8.9	7.3	0.8	0.8
297	774.0	212	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-2 6A	8.9	7.3	0.8	0.8
298	776.5	213	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-2 6A	8.9	7.3	0.8	0.8
299	779.0	214	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	8.8	7.3	0.8	0.8
300	781.5	215	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.8	7.3	0.8	0.8
301	784.0	216	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.8	7.3	0.8	0.8
302	786.5	217	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	8.7	7.3	0.8	0.8
303	789.0	218	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.7	7.3	0.8	0.8
304	791.5	219	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.7	7.3	0.8	0.8
305	794.0	220	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.7	7.3	0.8	0.8
306	796.5	221	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.7	7.3	0.8	0.8
307	799.0	222	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.6	7.3	0.8	0.8
308	801.5	223	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
309	804.0	224	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
310	806.5	225	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
311	809.0	226	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
312	811.6	227	2.6	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
313	813.9	228	2.3	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
314	816.4	229	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
315	818.9	230	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.8
316	821.4	231	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.6	7.3	0.8	0.9
317	823.9	232	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.6	7.3	0.8	0.8
318	826.4	233	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.6	7.3	0.9	0.8
319	828.9	234	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.6	7.3	0.9	0.9

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
320	831.4	235	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.7	7.3	0.9	0.8
321	833.9	236	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.7	7.3	0.9	0.9
322	836.4	237	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	8.7	7.3	0.9	0.8
323	838.9	238	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.7	7.3	0.9	0.8
324	841.4	239	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.7	7.3	0.9	0.9
325	843.9	240	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	8.8	7.3	0.9	0.8
326	846.4	241	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-2 6A	8.8	7.3	0.9	0.9
327	848.9	242	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-2 6A	8.8	7.3	0.9	0.8
328	851.4	243	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-2 6A	8.9	7.3	0.9	0.9
329	853.9	244	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-2 6A	8.9	7.3	0.9	0.9
330	856.5	245	2.6	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-2 6A	8.9	7.3	0.9	0.8
331	859.0	246	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-2 6A	9.0	7.3	0.9	0.9
332	861.5	247	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-2 6A	9.0	7.3	0.9	0.8
333	864.0	248	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-2 6A	9.1	7.3	0.9	0.9
334	866.5	249	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-2 6A	9.1	7.3	0.9	0.9
335	869.0	250	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-2 6A	9.1	7.3	0.9	0.8
336	871.5	251	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	158	PSR-2 6A	9.2	7.3	0.9	0.9
337	874.0	252	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-2 6A	9.2	7.3	0.9	0.9
338	876.5	253	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-2 6A	9.3	7.3	0.9	0.9
339	879.0	254	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-2 6A	9.4	7.3	0.9	0.8
340	881.5	255	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-2 6A	9.4	7.3	0.9	0.9
341	884.0	256	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-2 6A	9.5	7.3	0.9	0.9
342	886.5	257	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-2 6A	9.5	7.3	0.9	0.9
343	889.0	258	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-2 6A	9.6	7.3	0.9	0.9
344	891.5	259	2.5	6.5	Gold Notched	LDN - UP3 W/Shroud	Black 24 Grv	144	PSR-2 6A	9.7	7.3	0.9	0.8
345	894.0	260	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	142	PSR-2 6A	9.7	7.3	0.9	0.9
346	896.5	261	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	140	PSR-2 6A	9.8	7.3	0.9	0.9
347	899.0	262	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	138	PSR-2 6A	9.9	7.3	0.9	0.9
901.3	Tower Number : 5		Span Length(ft) : 180.1										
348	901.5	263	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	136	PSR-2 6A	10.0	7.3	1.0	0.9
349	904.2	264	2.7	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	139	PSR-2 6A	9.9	7.3	1.0	0.9
350	906.7	265	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	141	PSR-2 6A	9.8	7.3	0.9	0.9
351	909.2	266	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	143	PSR-2 6A	9.7	7.3	0.9	0.9

Default Sprinkler Chart - 02/20/2020

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Water Resources
 Received
FEB 24 2020
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Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
352	911.7	267	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	145	PSR-2 6A	9.7	7.3	0.9	0.9
353	914.2	268	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-2 6A	9.6	7.3	0.9	0.9
354	916.7	269	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-2 6A	9.5	7.3	0.9	0.9
355	919.2	270	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-2 6A	9.5	7.3	0.9	0.9
356	921.7	271	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-2 6A	9.4	7.3	0.9	0.9
357	924.2	272	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-2 6A	9.3	7.3	1.0	0.9
358	926.7	273	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-2 6A	9.3	7.3	1.0	0.9
359	929.2	274	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	156	PSR-2 6A	9.2	7.3	1.0	0.9
360	931.7	275	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	158	PSR-2 6A	9.2	7.3	1.0	0.9
361	934.2	276	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-2 6A	9.1	7.3	1.0	0.9
362	936.7	277	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-2 6A	9.1	7.3	1.0	1.1
363	939.2	278	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-2 6A	9.0	7.3	1.0	0.9
364	941.7	279	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-2 6A	9.0	7.3	1.0	0.9
365	944.2	280	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-2 6A	8.9	7.3	1.1	1.1
366	947.5	281	3.3	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-2 6A	8.9	7.3	1.1	1.2
367	950.0	282	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-2 6A	8.8	7.3	1.0	0.9
368	952.5	283	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-2 6A	8.8	7.3	1.0	0.9
369	955.0	284	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-2 6A	8.7	7.3	1.0	1.1
370	957.5	285	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-2 6A	8.7	7.3	1.0	0.9
371	960.0	286	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	8.7	7.3	1.0	0.9
372	962.5	287	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	8.6	7.3	1.0	1.1
373	965.0	288	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.6	7.3	1.0	0.9
374	967.5	289	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	8.6	7.3	1.0	0.9
375	970.0	290	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	8.6	7.3	1.0	1.1
376	972.5	291	2.6	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.6	7.3	1.0	0.9
377	974.9	292	2.3	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.5	7.3	1.0	0.9
378	977.4	293	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.5	7.3	1.0	1.1
379	979.9	294	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.5	7.3	1.0	1.1
380	982.4	295	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.5	7.3	1.0	0.9
381	984.9	296	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	1.1
382	987.4	297	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	0.9
383	989.9	298	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	1.1
384	992.4	299	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	0.9

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
385	994.9	300	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	1.1
386	997.4	301	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	1.1
387	999.9	302	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	0.9
388	1002.4	303	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	1.1
389	1004.9	304	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-2 6A	8.5	7.3	1.0	1.1
390	1007.4	305	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.5	7.3	1.0	0.9
391	1009.9	306	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.5	7.3	1.0	1.1
392	1012.4	307	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-2 6A	8.5	7.3	1.0	1.1
393	1014.9	308	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.5	7.3	1.2	1.2
394	1018.1	309	3.3	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-2 6A	8.5	7.3	1.2	1.2
395	1020.6	310	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-2 6A	8.6	7.3	1.1	0.9
396	1023.1	311	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.6	7.3	1.1	1.1
397	1025.6	312	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-2 6A	8.6	7.3	1.1	1.1
398	1028.1	313	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-2 6A	8.6	7.3	1.1	1.1
399	1030.6	314	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-2 6A	8.7	7.3	1.1	1.1
400	1033.1	315	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-2 6A	8.7	7.3	1.1	1.1
401	1035.6	316	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-2 6A	8.7	7.3	1.1	1.1
402	1038.1	317	2.5	7	Lime	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-2 6A	8.8	7.3	1.1	0.9
403	1040.6	318	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-2 6A	8.8	7.3	1.1	1.1
404	1043.2	319	2.6	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-2 6A	8.8	7.3	1.1	1.1
405	1045.7	320	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-2 6A	8.9	7.3	1.1	1.1
406	1048.2	321	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-2 6A	8.9	7.3	1.1	1.1
407	1050.7	322	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-2 6A	9.0	7.3	1.1	1.1
408	1053.2	323	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-2 6A	9.0	7.3	1.1	1.1
409	1055.7	324	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-2 6A	9.0	7.3	1.1	1.1
410	1058.2	325	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	158	PSR-2 6A	9.1	7.3	1.1	1.1
411	1060.7	326	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	156	PSR-2 6A	9.2	7.3	1.1	1.1
412	1063.2	327	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-2 6A	9.2	7.3	1.1	1.1
413	1065.7	328	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-2 6A	9.3	7.3	1.1	1.1
414	1068.2	329	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	151	PSR-2 6A	9.3	7.3	1.1	1.1
415	1070.7	330	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-2 6A	9.4	7.3	1.1	1.1
416	1073.2	331	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-2 6A	9.4	7.3	1.1	1.2
417	1075.7	332	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-2 6A	9.5	7.3	1.1	1.1

Water Resources
Received

FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
 Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
418	1078.2	333	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	144	PSR-26A	9.6	7.3	1.1	1.1
419	1080.7	334	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	142	PSR-26A	9.6	7.3	1.1	1.1
420	1083.2	335	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	140	PSR-26A	9.7	7.3	1.1	1.1
421	1085.7	336	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	138	PSR-26A	9.8	7.3	1.1	1.2
1088.0		Tower Number : 6 Span Length(ft) : 186.8											
422	1088.2	337	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	136	PSR-26A	9.9	7.3	1.2	1.2
423	1091.0	338	2.7	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	139	PSR-26A	9.8	7.3	1.2	1.1
424	1093.5	339	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	141	PSR-26A	9.7	7.3	1.1	1.1
425	1096.0	340	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	143	PSR-26A	9.6	7.3	1.1	1.2
426	1098.5	341	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	145	PSR-26A	9.6	7.3	1.1	1.1
427	1101.0	342	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-26A	9.5	7.3	1.1	1.1
428	1103.5	343	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-26A	9.4	7.3	1.1	1.2
429	1106.0	344	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-26A	9.4	7.3	1.1	1.1
430	1108.5	345	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	152	PSR-26A	9.3	7.3	1.1	1.1
431	1111.0	346	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-26A	9.2	7.3	1.1	1.2
432	1113.5	347	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	155	PSR-26A	9.2	7.3	1.1	1.1
433	1116.0	348	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	156	PSR-26A	9.1	7.3	1.1	1.2
434	1118.5	349	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	158	PSR-26A	9.1	7.3	1.2	1.1
435	1121.0	350	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-26A	9.0	7.3	1.2	1.2
436	1123.5	351	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	161	PSR-26A	9.0	7.3	1.2	1.1
437	1126.0	352	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-26A	8.9	7.3	1.2	1.2
438	1128.5	353	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-26A	8.9	7.3	1.2	1.1
439	1131.0	354	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-26A	8.8	7.3	1.3	1.4
440	1134.2	355	3.3	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-26A	8.8	7.3	1.3	1.4
441	1136.7	356	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-26A	8.7	7.3	1.2	1.1
442	1139.2	357	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-26A	8.7	7.3	1.2	1.2
443	1141.7	358	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-26A	8.7	7.3	1.2	1.2
444	1144.2	359	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-26A	8.6	7.3	1.2	1.1
445	1146.7	360	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-26A	8.6	7.3	1.2	1.2
446	1149.2	361	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-26A	8.6	7.3	1.2	1.2
447	1151.7	362	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	8.5	7.3	1.2	1.1
448	1154.2	363	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-26A	8.5	7.3	1.2	1.2
449	1156.7	364	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-26A	8.5	7.3	1.2	1.2

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
450	1159.3	365	2.6	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	8.5	7.3	1.2	1.1
451	1161.6	366	2.3	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	8.5	7.3	1.2	1.2
452	1164.1	367	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	8.4	7.3	1.2	1.2
453	1166.6	368	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	8.4	7.3	1.2	1.2
454	1169.1	369	2.5	7.5	Lime Notched	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	8.4	7.3	1.2	1.1
455	1171.6	370	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
456	1174.1	371	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
457	1176.6	372	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
458	1179.1	373	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
459	1181.6	374	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
460	1184.1	375	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
461	1186.6	376	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
462	1189.1	377	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
463	1191.6	378	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	176	PSR-26A	8.4	7.3	1.2	1.2
464	1194.1	379	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	8.4	7.3	1.2	1.2
465	1196.6	380	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	8.4	7.3	1.2	1.2
466	1199.1	381	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	175	PSR-26A	8.4	7.3	1.2	1.2
467	1201.6	382	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	8.5	7.3	1.4	1.4
468	1204.9	383	3.3	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	174	PSR-26A	8.5	7.3	1.4	1.4
469	1207.4	384	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	173	PSR-26A	8.5	7.3	1.2	1.2
470	1209.9	385	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	8.5	7.3	1.2	1.2
471	1212.4	386	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	172	PSR-26A	8.6	7.3	1.2	1.2
472	1214.9	387	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	171	PSR-26A	8.6	7.3	1.3	1.2
473	1217.4	388	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	170	PSR-26A	8.6	7.3	1.3	1.2
474	1219.9	389	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	169	PSR-26A	8.6	7.3	1.3	1.2
475	1222.4	390	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	168	PSR-26A	8.7	7.3	1.3	1.2
476	1224.9	391	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	167	PSR-26A	8.7	7.3	1.3	1.2
477	1227.4	392	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	166	PSR-26A	8.7	7.3	1.3	1.4
478	1230.0	393	2.6	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	165	PSR-26A	8.8	7.3	1.3	1.2
479	1232.5	394	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	164	PSR-26A	8.8	7.3	1.3	1.2
480	1235.0	395	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	163	PSR-26A	8.9	7.3	1.3	1.2
481	1237.5	396	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	162	PSR-26A	8.9	7.3	1.3	1.4
482	1240.0	397	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	160	PSR-26A	9.0	7.3	1.3	1.2

Default Sprinkler Chart - 02/20/2020

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Water Resources
Received

FEB 24 2020

KS Dept Of Agriculture

Parent Order No

Dealer **RADIUS IRRIGATION, LLC**
Customer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
483	1242.5	398	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	159	PSR-2 6A	9.0	7.3	1.3	1.2
484	1245.0	399	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	157	PSR-2 6A	9.1	7.3	1.3	1.4
485	1247.5	400	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	156	PSR-2 6A	9.1	7.3	1.3	1.2
486	1250.0	401	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	154	PSR-2 6A	9.2	7.3	1.3	1.2
487	1252.5	402	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	153	PSR-2 6A	9.2	7.3	1.3	1.4
488	1255.0	403	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	151	PSR-2 6A	9.3	7.3	1.3	1.2
489	1257.5	404	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	149	PSR-2 6A	9.4	7.3	1.3	1.4
490	1260.0	405	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-2 6A	9.4	7.3	1.3	1.2
491	1262.5	406	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-2 6A	9.5	7.3	1.3	1.2
492	1265.0	407	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	144	PSR-2 6A	9.6	7.3	1.3	1.4
493	1267.5	408	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	142	PSR-2 6A	9.6	7.3	1.3	1.2
494	1270.0	409	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	140	PSR-2 6A	9.7	7.3	1.3	1.4
495	1272.5	410	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	138	PSR-2 6A	9.8	7.3	1.3	1.2
496	1273.9				B.P.								
	1274.5				Tower Number : 7	Span Length(ft) : 186.5							
497	1274.9	411	2.4	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	136	PSR-2 6A	9.8	7.3	1.2	1.2
498	1277.1	412	2.2	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	137	PSR-2 6A	9.8	7.3	1.2	1.2
499	1279.6	413	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	139	PSR-2 6A	9.7	7.3	1.3	1.4
500	1282.1	414	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	140	PSR-2 6A	9.7	7.3	1.3	1.2
501	1284.6	415	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	141	PSR-2 6A	9.7	7.3	1.3	1.4
502	1287.1	416	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	142	PSR-2 6A	9.6	7.3	1.3	1.2
503	1289.6	417	2.5	9	Grey	LDN - UP3 W/Shroud	Black 24 Grv	143	PSR-2 6A	9.6	7.3	1.6	1.5
504	1291.6				Plug								
505	1293.0	418	3.4	9	Grey	LDN - UP3 W/Shroud	Black 24 Grv	145	PSR-2 6A	9.5	7.3	1.5	1.5
506	1295.2	419	2.2	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	146	PSR-2 6A	9.5	7.3	1.2	1.2
507	1297.7	420	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	147	PSR-2 6A	9.4	7.3	1.3	1.4
508	1300.2	421	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	148	PSR-2 6A	9.4	7.3	1.3	1.4
509	1302.7	422	2.5	8.5	Lavender Notched	LDN - UP3 W/Shroud	Black 24 Grv	150	PSR-2 6A	9.3	7.3	1.3	1.4
510	1305.2	423	2.5	8	Lavender	LDN - UP3 W/Shroud	Black 24 Grv	151	PSR-2 6A	9.3	7.3	1.3	1.2
511	1307.7	424	2.5	12	Red	LDN - UP3 W/Shroud	Black 33 Grv	152	PSR-2 6A	9.3	7.2	2.9	2.8

Sprinkler : Senninger Spray



512	1309.7	425		16	Orange	Directional				9.2	9.2	5.3	5.4
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Parent Order No

Dealer **RADIUS IRRIGATION, LLC**

Sprinkler Order No **Randy Shumate 30 in**

Customer **RADIUS IRRIGATION, LLC**

Field Name

Valley Standard Pivot 7000 Machine Sprinkler Chart

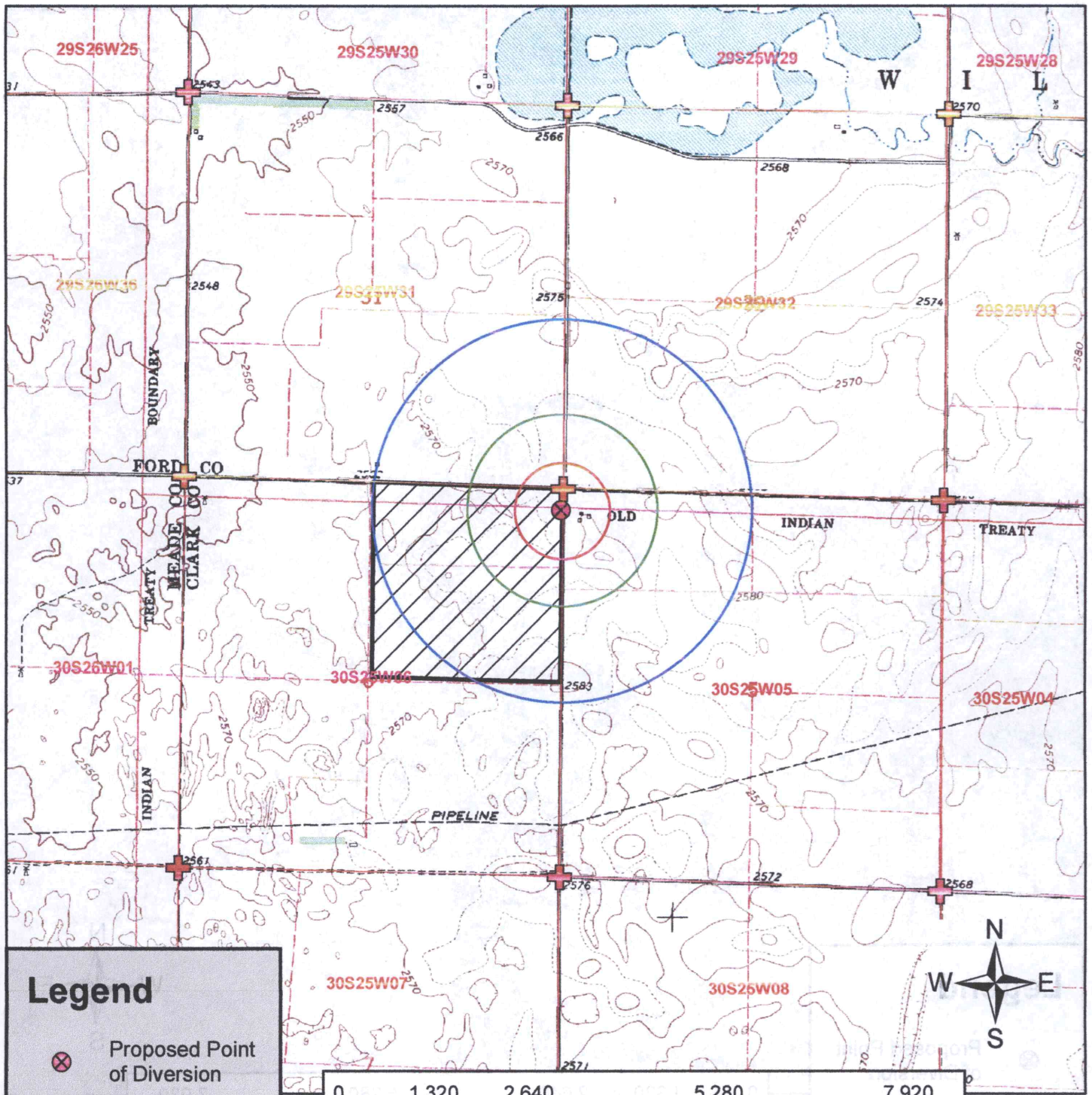
Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
1310.7		Overhang		Span Length(ft) : 36.2									

362.3

Water Resources
Received

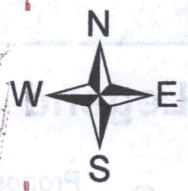
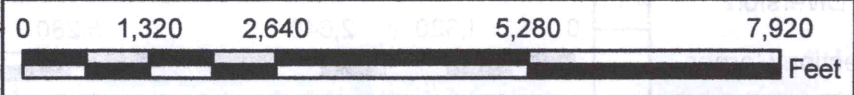
FEB 24 2020

KS Dept Of Agriculture



Legend

- Proposed Point of Diversion
- Section Corner
- Section Line
- Proposed Place of Use
- 660 ft
- 1320 ft
- 2640 ft

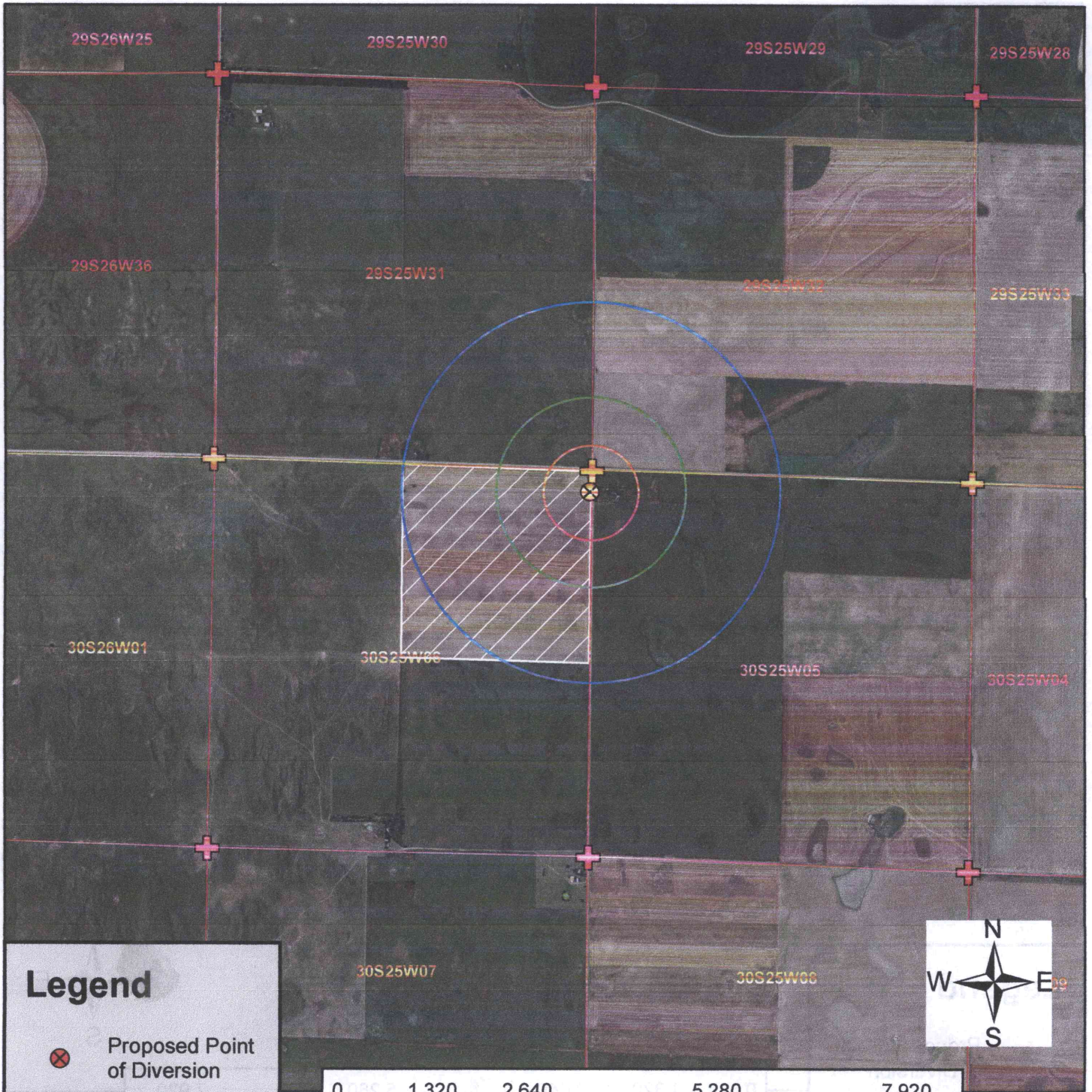


Water Appropriation, File No. _____
 New Application Map (Overlap w/ File No. 15736 IRR)
 6-30S-25W // Clark County

To the best of my knowledge, all domestic wells within 1/2 mile of the proposed point of diversion have been shown.

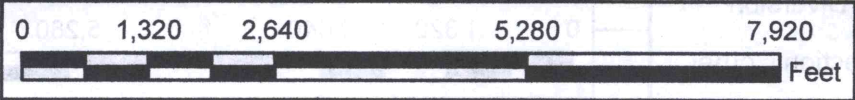
Randy Skunatz
 Signature

FEB 24 2020



Legend

- Proposed Point of Diversion
- Section Corner
- Section Line
- Proposed Place of Use
- 660 ft
- 1320 ft
- 2640 ft



Water Appropriation, File No.
 New Application Map (Overlap w/ File No. 15736 TRR)
 6-30S-25W // Clark County

To the best of my knowledge, all domestic wells within 1/2 mile of the proposed point of diversion have been shown.

Randy Skunata
 Signature

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov



900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

February 27, 2020

RANDY & SHELLY SHUMATE
11207 WILDFIRE RD
MINNEOLA KS 67865

RE: Application, File No. **50354**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application for a permit to appropriate water for beneficial use. Your application has been assigned the file number referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, please contact our office at 785-564-6640 or your local Garden City Field Office at 620-276-2901. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

DATA ENTRY SYSTEM ID NUMBER SHEET

FILE NUMBER 50354

APPLICANT PERSON ID & SEQ #	PDIV ID	BATTERY ID
<u>30313</u>	<u>25547</u>	

LANDOWNER PERSON ID & SEQ #	PUSE ID
<u>65797</u>	
<u>24782</u>	
<u>30313</u>	

WATER USE CORRESPONDENT PERSON ID & SEQ #
<u>65798</u>