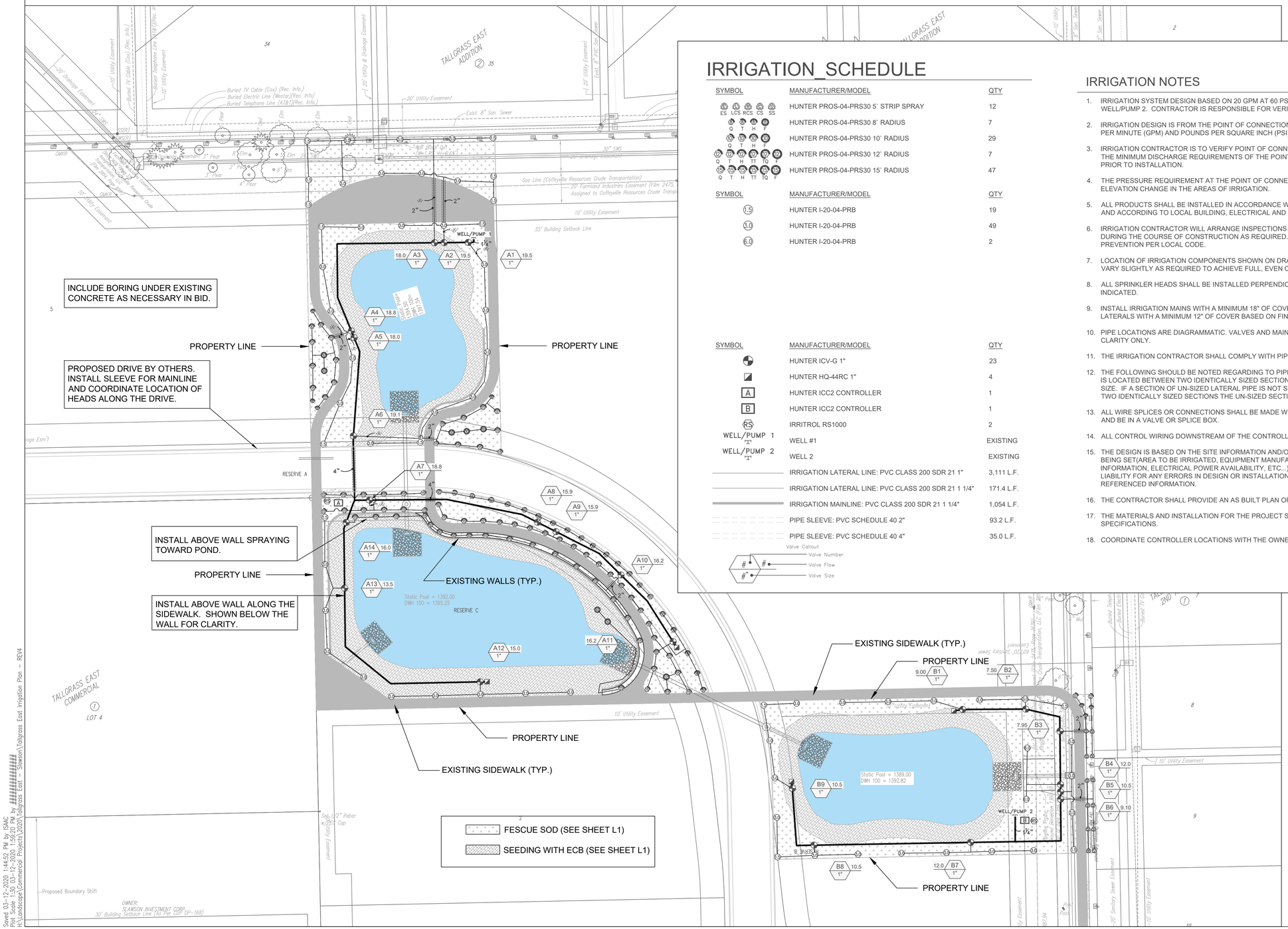

IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY
ES LCS RCS CS SS	HUNTER PROS-04-PRS30 5' STRIP SPRAY	12
Q T H F	HUNTER PROS-04-PRS30 8' RADIUS	7
Q T H F	HUNTER PROS-04-PRS30 10' RADIUS	29
Q T H TT TQ F	HUNTER PROS-04-PRS30 12' RADIUS	7
Q T H TT TQ F	HUNTER PROS-04-PRS30 15' RADIUS	47

SYMBOL	MANUFACTURER/MODEL	QTY
1.5	HUNTER I-20-04-PRB	19
3.0	HUNTER I-20-04-PRB	49
6.0	HUNTER I-20-04-PRB	2

SYMBOL	MANUFACTURER/MODEL	QTY
	HUNTER ICV-G 1"	23
	HUNTER HQ-44RC 1"	4
A	HUNTER ICC2 CONTROLLER	1
B	HUNTER ICC2 CONTROLLER	1
RS	IRRITROL RS1000	2
WELL/PUMP 1	WELL #1	EXISTING
WELL/PUMP 2	WELL 2	EXISTING
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1"	3,111 L.F.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 1 1/4"	171.4 L.F.
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 1 1/4"	1,054 L.F.
	PIPE SLEEVE: PVC SCHEDULE 40 2"	93.2 L.F.
	PIPE SLEEVE: PVC SCHEDULE 40 4"	35.0 L.F.

Valve Callout
Valve Number
Valve Flow
#" Valve Size

IRRIGATION NOTES

1. IRRIGATION SYSTEM DESIGN BASED ON 20 GPM AT 60 PSI AT WELL/PUMP 1 AND 12 GPM AT 60 PSI AT WELL/PUMP 2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PRESSURE AND FLOW RATES.
2. IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION (POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE (GPM) AND POUNDS PER SQUARE INCH (PSI) FURNISHED BY OTHERS.
3. IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED ON THE LEGEND PRIOR TO INSTALLATION.
4. THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5-FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
5. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL AND PLUMBING CODES.
6. IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED. ALL WIRING TO BE PER LOCAL CODE. BACKFLOW PREVENTION PER LOCAL CODE.
7. LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWINGS IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
8. ALL SPRINKLER HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISH GRADES, EXCEPT AS OTHERWISE INDICATED.
9. INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH A MINIMUM 12" OF COVER BASED ON FINISH GRADES.
10. PIPE LOCATIONS ARE DIAGRAMMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
11. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
12. THE FOLLOWING SHOULD BE NOTED REGARDING TO PIPE SIZING: IF A SECTION OF UN-SIZED LATERAL PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS THE UN-SIZED SECTION SHALL BE OF THE SAME SIZE. IF A SECTION OF UN-SIZED LATERAL PIPE IS NOT SIZED AT THE END OF A ZONE AND IS NOT BETWEEN TWO IDENTICALLY SIZED SECTIONS THE UN-SIZED SECTION(S) SHALL BE 1-INCH.
13. ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTORS AND BE IN A VALVE OR SPLICE BOX.
14. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
15. THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET(AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC...). THE DESIGNER BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION.
16. THE CONTRACTOR SHALL PROVIDE AN AS BUILT PLAN OF THE IRRIGATION SYSTEM.
17. THE MATERIALS AND INSTALLATION FOR THE PROJECT SHALL BE PER THE CITY OF WICHITA SPECIFICATIONS.
18. COORDINATE CONTROLLER LOCATIONS WITH THE OWNER. ELECTRICAL POWER IS SUPPLIED BY OTHERS.

N

SCALE: 1" = 30'-0"

0 15 30 60

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

ISAAC KRUMME LICENSED 728 KANSAS LANDSCAPE ARCHITECT
03/12/2020

PHASE 2 LANDSCAPE IMPROVEMENTS

TO SERVE
TALLGRASS EAST COMMERCIAL 2ND ADDITION

GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-85097

Issue:		

JOB NO.	35-15627-002
DATE	MARCH 2020
PM	
DESIGNED BY	
DRAWN BY	
CHECKED BY	

IRRIGATION PLAN

C102

Saved 03-12-2020 1:44:52 PM by ISAAC
Plot Scale 1.30 03-12-2020 1:59:20 PM by
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