

Peoria Park District  
Planning, Design and Construction Department  
1314 N. Park Road  
Peoria, IL 61604  
Telephone: (309) 686-3386

ADDENDUM NO. 1

PROJECT TITLE: Irrigation Improvement

ISSUANCE DATE: May 19, 2025

LOCATION: Newman Golf Course

The proposed Contract Documents for this Work are modified as follows:

**I. GENERAL INFORMATION:**

1. Mainline pipe sizes vary, on site inspection will be required by contractor. Please reference the attached Existing Drawing which indicates pipe sizing.

**II. DRAWINGS:**

1. Revised irrigation legend with updated irrigation sprinklers. (LI-1, LI-2, LI-3, LI-4)
2. Rescanned existing drawings of Newman Golf Course Irrigation System.

**III. PROJECT MANUAL/SPECIFICATIONS.:**

1. Approved alternates for manufactures include RainBird and Hunter.
2. Toro Irrigation Sprinkler Head shall be revised to the FLX34/35, with the same nozzle as specified.

**IV. INVITATION TO BID: N/A**

END OF ADDENDUM NO. 1

(Addendum may be bound into Project Manual, attached to front cover, faxed, mailed, emailed or delivered to bidders.)





BASE SCOPE OF WORK

THE BASE BID SCOPE OF WORK TO INCLUDE; THE IRRIGATION MAINLINE, LATERALS, IRRIGATION COMPONENTS AND ADDITIONAL CONTROLS FOR HOLES #3, #2, AND #9 AS OUTLINED IN THE ABOVE DRAWING. THIS INCLUDES, BUT NOT LIMITED TO, CONNECTING TO THE EXISTING MAINLINE INFRASTRUCTURE TO ALLOW WATER TO ALL EXISTING PORTIONS OF THE COURSE, REFER TO EXISTING DRAWINGS. CONTRACTOR SHALL CONFIRM FINAL TIE IN POINTS.

ALTERNATE #1 OF WORK

ALTERNATE SCOPE OF WORK SHALL INCLUDE; THE IRRIGATION MAINLINE, LATERALS, IRRIGATION CONTROLS, AND IRRIGATION COMPONENTS FOR HOLES #7 AND #8 AS OUTLINED IN THE ABOVE DRAWINGS.

ALTERNATE #2 OF WORK

ALTERNATE SCOPE OF WORK SHALL INCLUDE; THE IRRIGATION MAINLINE, LATERALS, IRRIGATION CONTROLS, AND IRRIGATION COMPONENTS FOR HOLES #6 AS OUTLINED IN THE ABOVE DRAWINGS.

ALTERNATE #3 OF WORK

ALTERNATE SCOPE OF WORK SHALL INCLUDE; THE IRRIGATION MAINLINE, LATERALS, IRRIGATION CONTROLS, AND IRRIGATION COMPONENTS FOR HOLES #4 AND #5 AS OUTLINED IN THE ABOVE DRAWINGS.

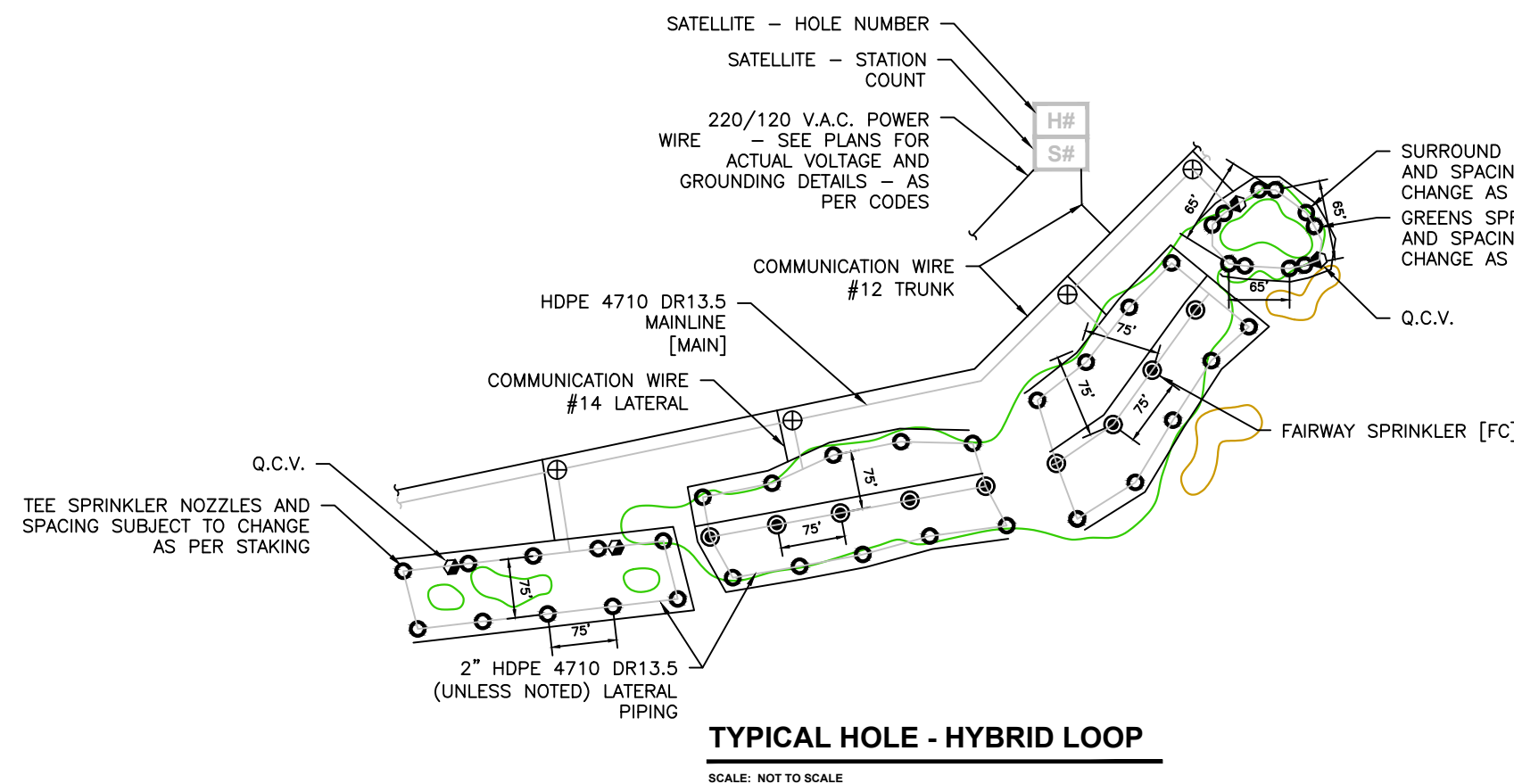


IMPACT COVERAGE PLAN

SCALE: 1" = 100'-0"

IMPACT COVERAGE NOTES:

THIS IMPACT STUDY SHOWS APPROXIMATE COVERAGE OF SPRINKLER HEADS. ACTUAL COVERAGE WILL VARY DEPENDING ON MANY FACTORS SUCH AS, BUT NOT LIMITED TO: TOTAL OPERATING OF SYSTEM, RETURNING SPRINKLER COVERS, AND CONDITION OF SPRINKLER. THIS STUDY IS TO BE USED FOR INFORMATIONAL PURPOSES ONLY AND COULD BE DETECTED BY ONE OR ALL OF THE ABOVE ISSUES.



LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
●	TORO FLX34-338-1 1IN. ACME INLET TURF SPRINKLER, FULL CIRCLE, PRESSURE REGULATION AT 80PSI, STANDARD SOLENOID
●	TORO FLX34-358-1 1IN. ACME INLET TURF SPRINKLER, FULL CIRCLE, PRESSURE REGULATION AT 80PSI, STANDARD SOLENOID
○	TORO FLX35-338-1 1IN. ACME INLET TURF SPRINKLER, PART-CIRCLE AND FULL-CIRCLE IN ONE, PRESSURE REGULATION AT 80PSI, SPIKE GUARD SOLENOID
○	TORO FLX35-358-1 1IN. ACME INLET TURF SPRINKLER, PART-CIRCLE AND FULL-CIRCLE IN ONE, PRESSURE REGULATION AT 80PSI, STANDARD SOLENOID
⬛	TORO 474-44 QUICK COUPLER VALVE
⬛	CLOW/CMF ISOLATION VALVE W/HOPE EXTENSIONS 3" TO 12" CAST IRON GATE VALVE, LINE SIZED.
⊕	AQUAFUSE 360 DEGREE PE BALL VALVE - 2"
Ⓐ	BERMAD C30 (2) AIR/VACUUM RELIEF VALVE TO BE FIELD LOCATED BY IRRIGATION CONSULTANT
Ⓔ	DRAIN VALVE 3" - CLOW/CMF ISOLATION VALVE W/ HOPE EXTENSIONS
14	EXISTING FIELD SATELLITE PROVIDE EXPANSIONS TO EXISTING STATION CONTROLLER
14	HUNTER PILOT FIELD CONTROLLER PROVIDE EXPANSIONS TO EXISTING STATION CONTROLLER
P	EXISTING PUMP STATION - CONNECT INTO EXISTING
—	IRRIGATION LATERAL LINE: HDPE PE4710 DR 13.5
—	IRRIGATION MAINLINE: HDPE PE4710 DR 13.5

NOTE: QUANTITIES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL QUANTITIES AND TAKE OFFS FROM A SCALED AERIAL.

REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
1	TIE INTO EXISTING IRRIGATION MAINLINE. CONTRACTOR TO CONFIRM FINAL LOCATION TIE IN POINT.
2	CAP MAINLINE PIPING FOR FUTURE PHASE TIE IN POINTS.

DESIGN NOTES

- ALL PRODUCT APPLICATIONS AND INSTALLATIONS MUST MEET MANUFACTURER'S REQUIREMENTS.
- FLOW RATES THROUGH HDPE PIPING NOT TO EXCEED MANUFACTURER'S RECOMMENDATIONS.
- PIPING AS SHOWN IS DIAGRAMMATIC IN NATURE. ALL PIPING TO BE LOCATED WITHIN OWNER'S PROPERTY LINES.
- CONTRACTOR IS RESPONSIBLE FOR PROPER OPERATION OF IRRIGATION SYSTEM. SYSTEM SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATIONS AND SHALL WATER ALL SEEDED AND SODDED AREAS NOTED. IRRIGATION PLAN IS INTENDED TO INCLUDE EVERYTHING NECESSARY TO THE PROPER OPERATION OF SAID IRRIGATION SYSTEM. IF ADJUSTMENTS ARE REQUIRED, CONTRACTOR SHALL MAKE ADJUSTMENTS FOR SAME.
- IRRIGATION PLANS SHALL HAVE PRECEDENCE OVER IRRIGATION SPECIFICATIONS. ANY DISCREPANCIES BETWEEN THESE TWO DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE IRRIGATION CONSULTANT BEFORE INSTALLATION.
- IT IS THE INTENT TO KEEP IRRIGATION WATER OFF OF ALL BUILDINGS, SIDEWALKS AND PARKING AREAS. IT WILL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FIELD TUNE EACH SPRINKLER AS TO KEEPING IRRIGATION ADJUSTED TO GRASSSED AND SEEDED AREAS ONLY. IT WILL ALSO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO SUPPLY THE OWNER WITH AN OPERATING SCHEDULE THAT WORKS WITH EXISTING PLANS AND ANY FIELD ADJUSTMENTS.
- IT IS THE INTENT OF THE IRRIGATION DESIGN TO ACHIEVE HEAD TO HEAD COVERAGE IN ALL GRASSSED AND SEEDED AREAS. IT WILL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ADJUST FOR SAME.
- IRRIGATION PLANS ARE DIAGRAMMATIC IN NATURE CONTRACTOR WILL BE RESPONSIBLE FOR THE LOCATION OF ALL EQUIPMENT AS STAKED BY IRRIGATION CONSULTANT. SAID EQUIPMENT, WHEN FIELD LOCATED, MAY VARY FROM PROPOSED PLAN DUE TO SITE CONDITIONS AND CONTRACTOR WILL MAKE ADJUSTMENTS ACCORDINGLY AT NO ADDITIONAL COST TO OWNER.

PLUMBING NOTES:

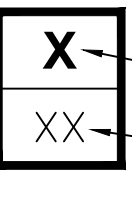
- ALL HDPE FITTINGS SHALL BE FUSION COMPATIBLE AND HEAT FUSED WITH SPRINKLERS MOUNTED ON AQUAFUSE FUSIBLE SADDLES. NO BRAND MIXING ALLOWED AND CONTRACTOR/EQUIPMENT TO BE SITE CERTIFIED BY SUPPLIER AS SPECIFIED - NO EXCEPTIONS.
- ALL PIPE SHALL BE CARRIED IN SEPARATE TRENCH.

ELECTRICAL NOTES:

- ALL 120 V.A.C. POWER SPLICES AT FIELD SATELLITES.
- ALL POWER WIRE TAPS AND CONNECTIONS SHALL CONFORM TO ALL LOCAL AND STATE CODES AND PERFORMED BY LICENSED ELECTRICIAN.
- 24" LOOP OF WIRE LOCATED BELOW EACH HEAD.
- ALL 24 V.A.C. SECONDARY WIRING SHALL BE (RED) #14 HOT AND (WHITE) #12 COMMON. (ONE HOT WIRE PER HEAD)
- ALL WIRE SHALL HAVE ENOUGH SLACK AS TO ACCOMMODATE FOR EXPANSION AND/OR CONTRACTION.
- ALL WIRE TO BE UL APPROVED FOR DIRECT BURIAL.
- ALL 120 V.A.C. PRIMARY, AND 24 V.A.C. SECONDARY POWER TO BE INSTALLED AS PER STATE AND LOCAL CODES. SIZED AS PER PLAN WITH GROUND WIRE; MEETING N.E.C. REQUIREMENTS.
- TWO SPARE HOT (#14) WIRE TO EACH GREEN AND ONE SPARE HOT (#14) TO WIRE TO EACH TEE COMPLEX AND MARKED AS SPACE (BLUE IN COLOR).

PROGRAMMING NOTES:

- FIELD SATELLITES SHALL CARRY APPROPRIATE STATION CARDS FOR INDIVIDUAL HEAD CONTROL OF ALL SPRINKLERS.
- ALL SPRINKLERS SHALL HAVE ONE WIRE (HOT 24 V.A.C.) TO RESPECTIVE FIELD SATELLITE.
- ALL SATELLITE LOCATIONS SHALL BE IN ACCORDANCE WITH RAIN FALL SURVEYS AND OUT OF 100 YEAR FLOOD PLAIN.



SATELLITE NUMBER  
APPROXIMATE STATION COUNT

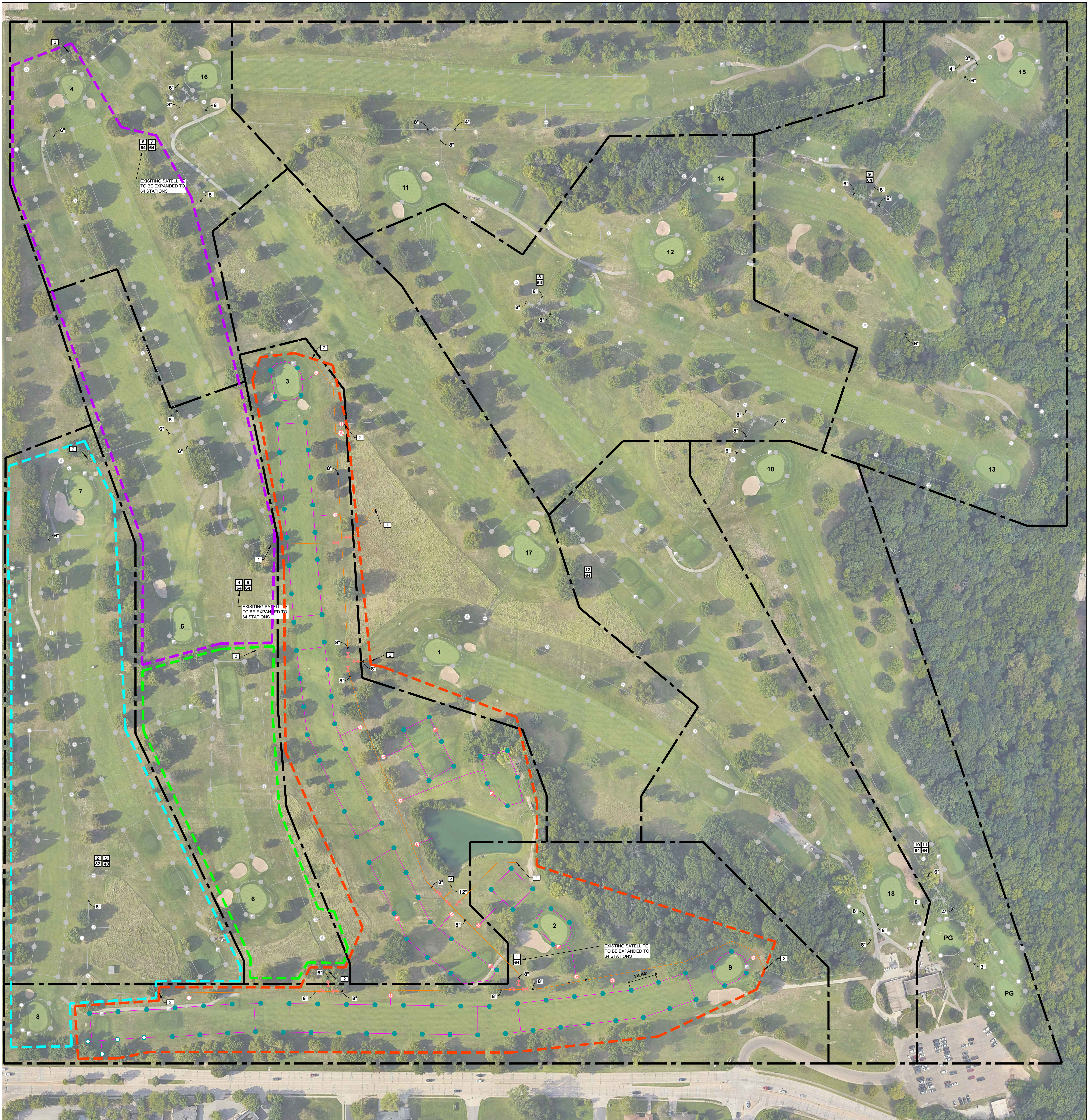












**BASE SCOPE OF WORK** - - - - -

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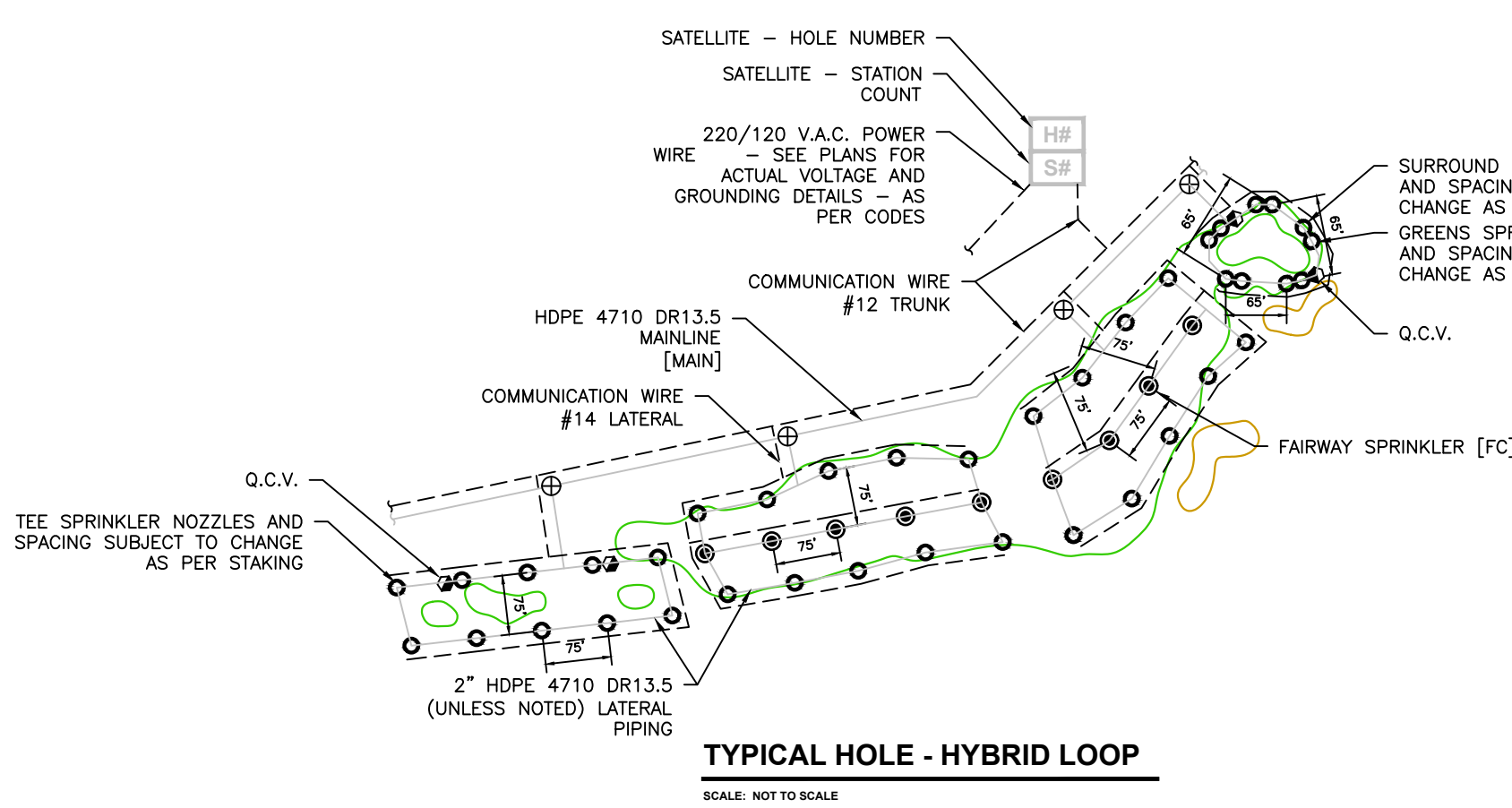
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## SITE IRRIGATION PLAN

SCALE: 1" = 100'-0"



## LEGEND

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■	MANUFACTURER/MODEL/DESCRIPTION TORO 474-44 QUICK COUPLER VALVE
⋈	CLOW/CMP ISOLATION VALVE W/HOPE EXTENSIONS 3" TO 12" CAST IRON GATE VALVE, LINE SIZED.
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Ⓐ	BERMAD C30 (2") AIR/VACUUM RELIEF VALVE TO BE FIELD LOCATED BY IRRIGATION CONSULTANT
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- ALL SATELLITE LOCATIONS SHALL BE IN ACCORDANCE WITH RAIN FALL SURVEYS AND OUT OF 100 YEAR FLOOD PLAIN.

X	SATELLITE
XX	NUMBER APPROXIMATE STATION COUNT





REVISIONS DATE BY:

**ELSON AND ASSOCIATES**  
landscape architects  
P.O. Box 100777, Pearl River, NY 10937-0777

# NEWMAN GOLF COURSE IRRIGATION SYSTEM

## IRRIGATION PLAN - RAIN BIRD SYSTEM

### RAIN BIRD SYSTEM BID PACKAGE "A"-R

SYSTEM REQUIREMENTS AT 80 P.S.I. AT HEAD  
GREENS AND TEES 432.0 G.P.M.  
FAIRWAY "A" 512.8 G.P.M.  
FAIRWAY "B" 512.8 G.P.M.

#### SATELLITE CONTROLLERS AS FOLLOWS:

GREENS AND TEES O-P-Q-R-S-T-U-V  
FAIRWAY "A" A-C-E-G-I-K-N  
FAIRWAY "B" B-D-F-H-J-L-M

SATELLITES A-F-K-N HAVE 2 91 DR OPERATING AT SAME TIME

SYSTEM DESIGNED TO ALLOW EVERY NIGHT WATERING OF TEES AND GREENS AND EVERY OTHER NIGHT WATERING OF FAIRWAYS

#### GENERAL NOTES

IRRIGATION CONTRACTOR SHALL CO-ORDINATE THE ELECTRICAL WORK UNDER BID PACKAGE "A" AND SHALL PROVIDE ALL TRENCHES FOR ELECTRICAL WORK UNDER BOTH BID PACKAGE "A" AND "B".

IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF LOW VOLTAGE WIRE (NOT SHOWN) FROM VALVE IN HEAD TO FIELD SATELLITE CONTROLLERS - 2 No. 14

CONTRACTOR SHALL DETERMINE IN THE FIELD THE EXACT LOCATION OF MANUAL DRAIN VALVES TO AID IN THE DRAINAGE OF THE SYSTEM FOR ESTIMATING PURPOSES ALLOW 1 PER HOLE.

IN THE EVENT THE MAXI IV COMPUTER SYSTEM IS NOT INCLUDED AS A PART OF THE WORK, ALL FIELD WIRING AND PREPARATIONS SHALL BE MADE TO ACCOMMODATE THE COMPUTER SYSTEM IN THE FUTURE.

TO ALLOW FOR MAXIMUM FLEXIBILITY OF WATERING SCHEDULES AS MAY BE DETERMINED BY THE COMPUTER, PIPES HAVE BEEN SIZED TO ALLOW FAIRWAY AND GREENS AND TEE OPERATION AT THE SAME TIME.

#### PIPE SIZING

PIPE SIZES SHALL BE AS SHOWN OR AS DETERMINED, IN THE FIELD, AT THE TIME OF CONSTRUCTION. VELOCITIES SHALL NOT EXCEED 5 F.P.S.

PIPE SIZES ARE CALCULATED ON TOTAL G.P.M. AT 80 P.S.I. AT THE HEAD AS FOLLOWS:

SPRINKLER	G.P.M.	NOZZLE
91 DR	64J	15/32" x 15/64" STD.
95 DR	64J	15/32" x 15/64" STD.
91 DR	87J	5/16" x 3/16"

FOR PIPE SIZES NOT SHOWN, THE FOLLOWING SHALL APPLY:

SERVICE LINE TO 91 DR = 2 1/2"  
SERVICE LINE TO TWO 91 DR = 2"  
SERVICE LINE TO SINGLE 91 DR = 1 1/2"

IN GENERAL, DEMANDS OF:

35 GPM OR LESS	= 1/2" PPE
UP TO 55 GPM	= 2" PPE
UP TO 80 GPM	= 2 1/2" PPE
UP TO 120 GPM	= 3" PPE
UP TO 200 GPM	= 4" PPE
UP TO 425 GPM	= 6" PPE
OVER 425 GPM	= 8" PPE

#### LEGEND

- RAIN BIRD 91DR FULL CIRCLE ROTOR 190' SPACING
- RAIN BIRD 95DR PART CIRCLE ROTOR 190' SPACING
- RAIN BIRD 91DR FULL CIRCLE ROTOR 169' SPACING
- RAIN BIRD MODEL SRC QUICK COUPLING VALVE
- ISOLATION VALVE-2"-6" SAME SIZE AS LINE
- SYSTEM PIPING-SIZE AS SHOWN
- AIR RELIEF VALVE (IRVB 1311)
- RAIN BIRD 8BM-1230-SS SATELLITE CONTROLLER
- RAIN BIRD MAXI SYSTEM IV COMPUTER CONTROL
- COMMUNICATION CABLE-PAIGE No. P7072D
- EXISTING WATER MAINS-SIZE AS SHOWN
- EXISTING CONTOUR-2FOOT INTERVAL
- DRINKING FOUNTAIN-EXISTING AND PROPOSED

#### IRRIGATION PLAN NOTES

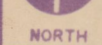
IRRIGATION LINES SHOWN ON THIS DRAWING ARE ESSENTIALLY DIAGRAMATIC. EXACT LOCATION OF ALL SPRINKLER HEADS, VALVES, PIPING, WIRING, ETC. SHALL BE ESTABLISHED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF THE SYSTEM AND SHALL VERIFY ALL PIPE SIZES AND EQUIPMENT BEFORE STARTING ANY WORK.

CONTRACTOR SHALL STAKE LOCATION OF EACH RUN OF PPE, SPRINKLER HEADS, VALVES AND OTHER EQUIPMENT AND SHALL HAVE SUCH PLAN APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE INSTALLATION OF THE WORK.

CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED UTILITIES AND STRUCTURES. DAMAGE BY THIS CONTRACTOR TO ANY WORK SHALL BE REPAIRED OR REPLACED AT HIS EXPENSE.

JOB NUMBER	PPD 88-049
DRAWN BY:	JME
APPROVED:	
SCALE:	1" = 100'
DATE:	MAR.23.1989
SHEET	11



NEW 039