

FENDRICH GOLF COURSE

EVANSVILLE, IN

IRRIGATION PLANS

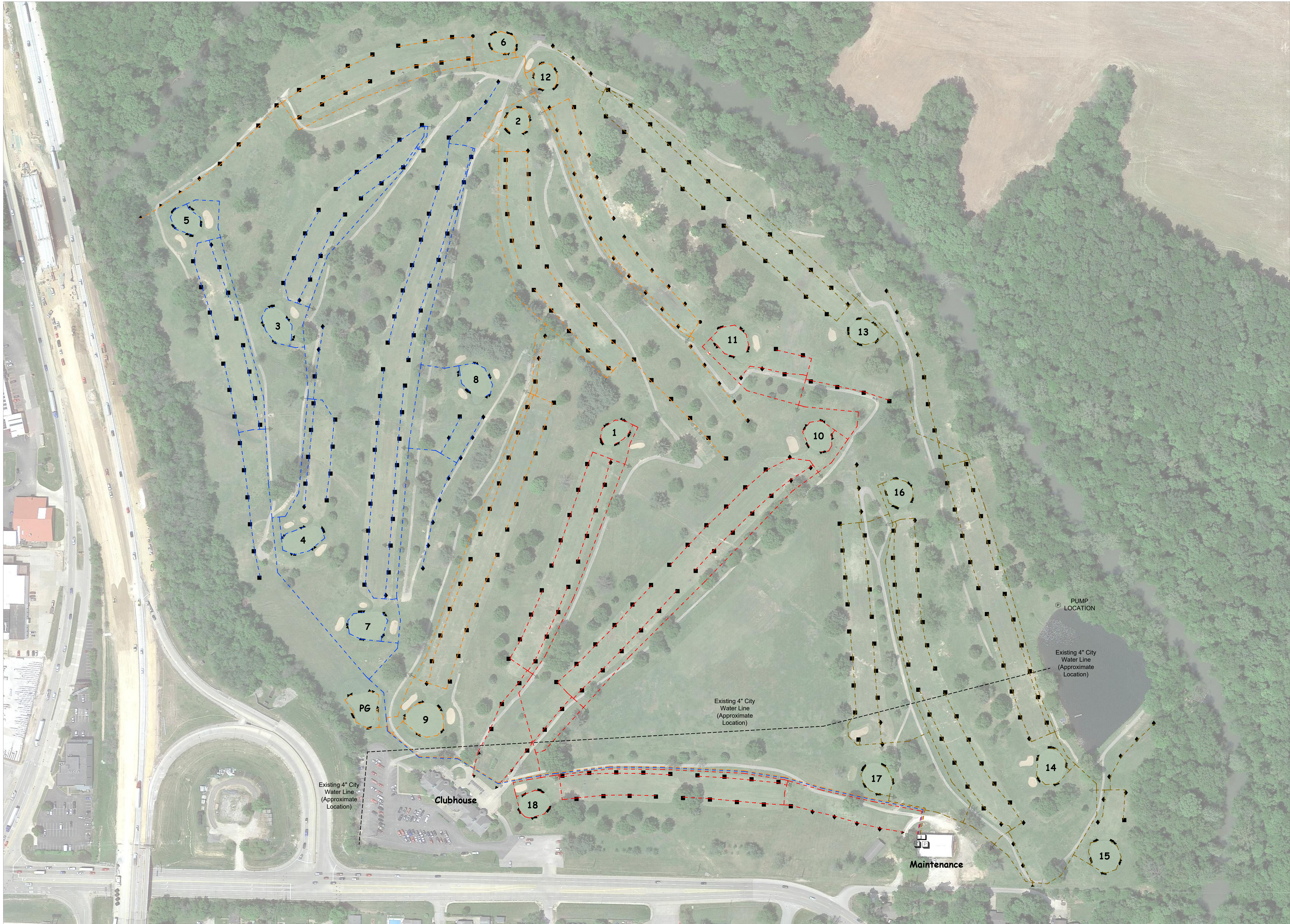
SHEET KEY

SHEET 1: MECHANICAL PLAN

SHEET 2: TORO ELECTRICAL PLAN

SHEET 3: RAIN BIRD ELECTRICAL PLAN

SHEET 4: IRRIGATION DETAILS



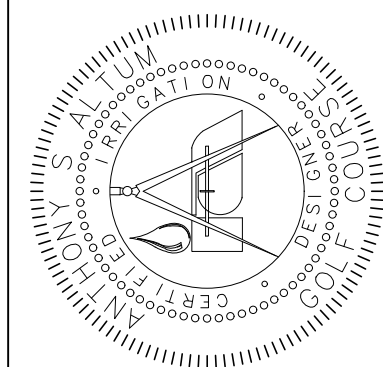
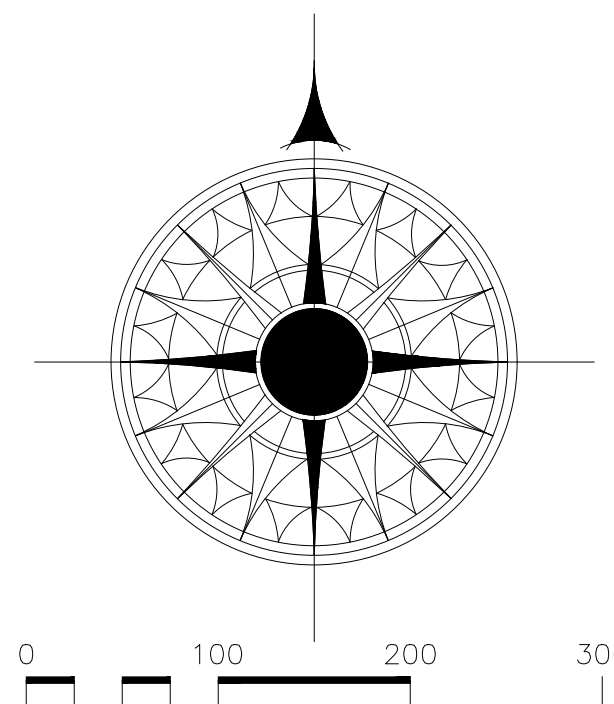
GENERAL CONSTRUCTION NOTES

- ALL PIPE AND WIRE ROUTING AS INDICATED ON THIS PLAN IS DIAGNOSTIC AND SHALL BE ADJUSTED IN THE FIELD TO ACCOMMODATE PROPERTY LINES, BRIDGES/STREAMS, NATURAL AREAS, AND WETLANDS. MINOR ADJUSTMENTS IN ROUTING SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNERS.
- ADJUSTMENTS TO THE SYSTEM DESIGN BY THE DESIGNER, WHICH DO NOT EFFECT THE QUANTITY OF IRRIGATION MATERIALS REQUIRED FOR THE COMPLETED IRRIGATION SYSTEM (e.g. NOZZLE CHANGES, RE-CONFIGURING SATELLITES ETC.) SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNERS.
- ALL PERMITS AND FEES REQUIRED FOR THE INSTALLATION OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY ALL CRITICAL LOCATIONS AND MEASUREMENTS PRIOR TO SUBMITTING A BID. ALL DISCREPANCIES SHOULD BE REPORTED TO THE DESIGNER, SO THE NECESSARY ADJUSTMENTS AND CHANGES CAN BE MADE TO THE DESIGN. THE BIDS SHOULD BE ADJUSTED ACCORDINGLY.
- ALL LOCAL CODES AND UTILITY COMPANY REGULATIONS ARE TO BE OBSERVED AND STRICTLY ADHERED TO IF APPLICABLE.
- THE CONTRACTOR SHALL MAINTAIN THE OWNERS EXISTING IRRIGATION SYSTEM THROUGHOUT THE DURATION OF THE PROJECT. DAMAGES INCURRED AS A RESULT OF WORK PERFORMED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY, SO AS NOT TO INTERFERE WITH OWNERS NORMAL IRRIGATION PROGRAM.

TORO LEGEND				
QTY	KEY	DESCRIPTION	RAD/GPM	PSI
313	■	TORO MODEL INF34-358-6 SPRINKLER	80'	35.6 80
17	■	TORO MODEL INF35-358-66 SPRINKLER	79'	39.8 80
85	◆	TORO MODEL INF34-338-6 SPRINKLER	72'	26.9 80
111	◆	TORO MODEL INF35-338-66 SPRINKLER	70'	25.3 80
2	●	TORO MODEL INF34-328-6 SPRINKLER	63'	20.5 80
71	●	TORO MODEL INF35-328-66 SPRINKLER	67'	22.6 80
56	+	TORO MODEL 474-44 QUICK COUPLING VALVE		
INDICATED SIZE (4"-10") DR13.5, 4710 HDPE PIPE				
SEE CHART	—	3" DR13.5, 4710 HDPE PIPE		
SEE CHART	----	2" DR13.5, 4710 HDPE PIPE		
SEE CHART	—+—	LINE SIZED M.J. , D.I., R.W. GATE VALVE 4" AND ABOVE		
53	▲	HARCO MODEL NUMBER 8413062PR 3" STAINLESS LATERAL VALVE		
17	▲	LASCO MODEL V20101HD-SC 2" - TEE ISOLATION VALVE		
3	▼	HARCO MODEL 74-326102 2" PE IPS - DRAIN VALVE		
3	▲	1" COMBINATION VACUUM/AIR RELEASE VALVE		
1	(P)	PUMP STATION		
1	☒	TORO LYNX CENTRAL COMPUTER (LOCATED AT MAINTENANCE)		
1	⚡	240V POWER SOURCE		
1	⚡	TORO SMART HUB		
34	— —	GROUND LOCATION AND SURGE PROTECTION. SEE DETAILS		

SMART HUB CABLE QUANTITIES				
SMART HUB	QTY	KEY	HOLES	STATIONS PER PATH
1	14,591'	—	3,43,7,8	150
	13,817'	—	2,6,9,12,PG	156
	11,138'	—	1,10,11,18	126
	13,894'	—	13,14,15,16,17	167

NOTE: MATERIAL QUANTITIES SHOWN ARE EXACTLY WHAT IS ILLUSTRATED ON THE DRAWING. THE QUANTITIES DO NOT REFLECT SITE CONDITIONS OR ELEVATION CHANGES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CALCULATING THEIR OWN BILL OF MATERIALS AND SHALL BE HELD RESPONSIBLE FOR ANY MATERIAL OVERAGES/SHORTAGES.



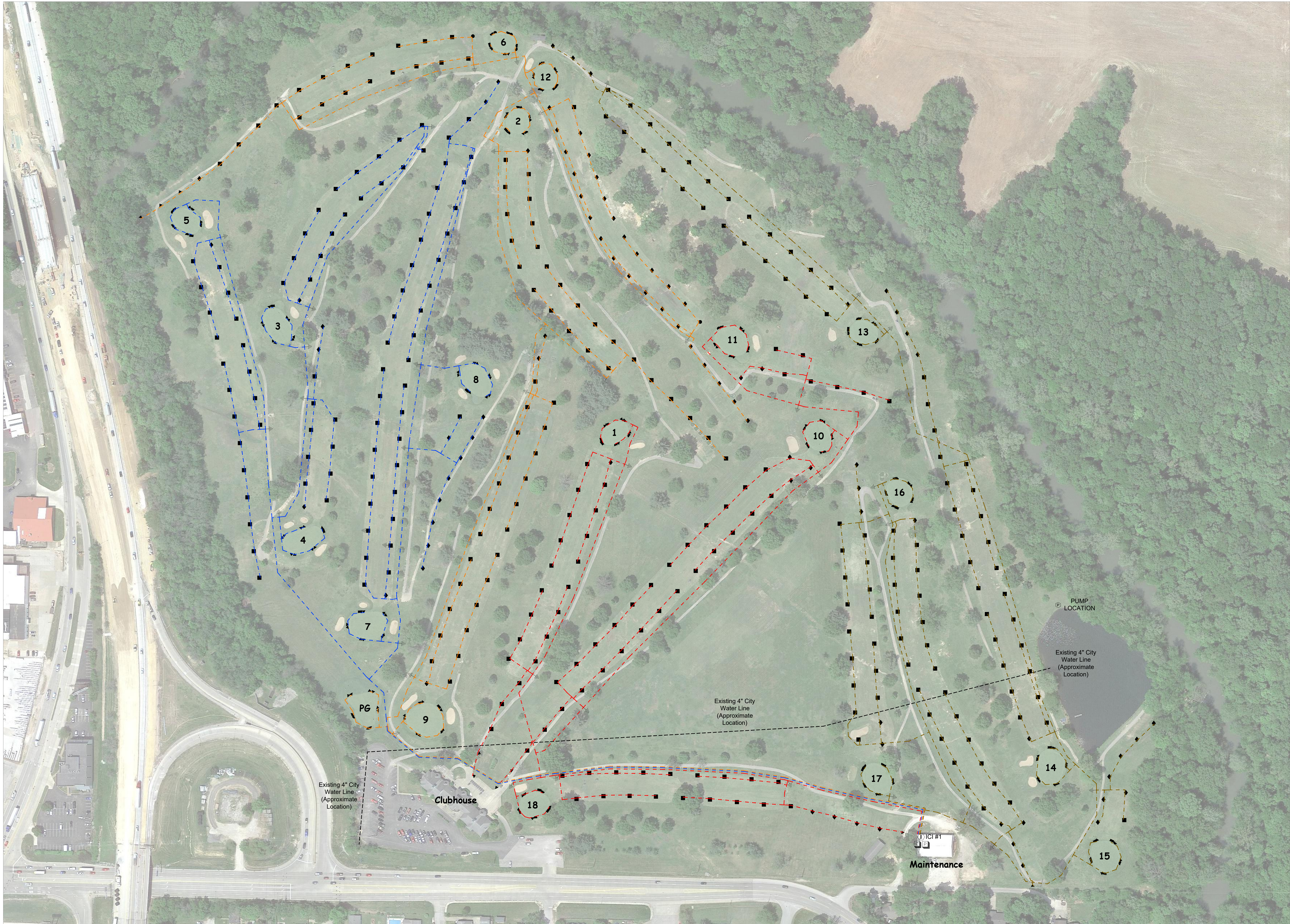
SHEET 2 OF 4

Fendrich Golf Course
Evansville, IN

TORO ELECTRICAL
PLAN

A.S. ALTUM & ASSOCIATES
10311 TOWNNE ROAD • CARMEL, INDIANA 46032
PHONE (317) 876-3320 • FAX (317) 876-3521

REVISIONS		SCALE: 1" = 100'		CHK'D:
DATE	BY	REVISION	DATE	
			06/17/2025	
			DRAWN BY:	
			CADD BY:	



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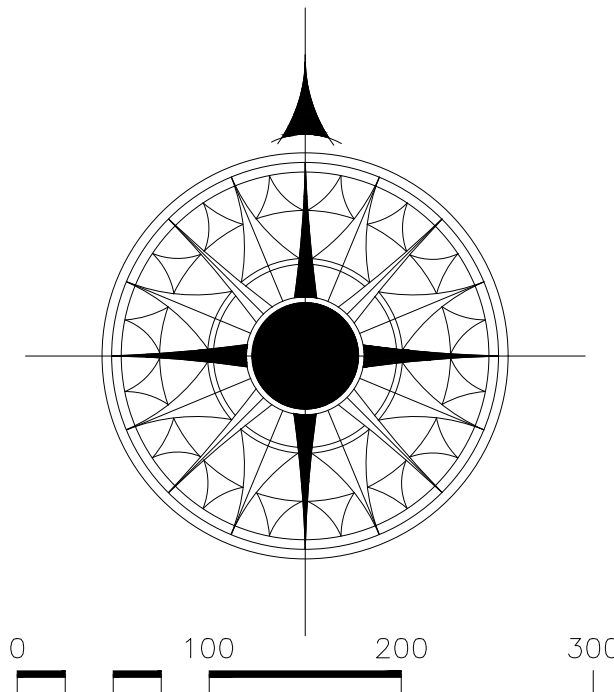
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RAIN BIRD LEGEND				
QTY	KEY	DESCRIPTION	RAD/GPM	PSI
313	■	RAIN BIRD MODEL A-702-IC-80-48 SPRINKLER	74"	37.5 80
17	■	RAIN BIRD MODEL A-752-IC-80-48 SPRINKLER	76"	34.0 80
85	◆	RAIN BIRD MODEL A-702-IC-80-40 SPRINKLER	72"	30.6 80
111	▶	RAIN BIRD MODEL A-702-IC-80-40 SPRINKLER	68"	27.9 80
2	●	RAIN BIRD MODEL A-702-IC-80-36 SPRINKLER	70"	28.3 80
71	▶	RAIN BIRD MODEL A-752-IC-80-36 SPRINKLER	68"	24.7 80
56	▶	RAIN BIRD MODEL SRC ACME QUICK COUPLING VALVE		
INDICATED SIZE (4"-10") DR13.5, 4710 HDPE PIPE				
SEE CHART	—	3" DR13.5, 4710 HDPE PIPE		
SEE CHART	----	2" DR13.5, 4710 HDPE PIPE		
SEE CHART	—+—	LINE SIZED M.J. , D.I., R.W. GATE VALVE 4" AND ABOVE		
53	▲	HARCO MODEL NUMBER 8413062PR 3" STAINLESS LATERAL VALVE		
17	▲	LASCO MODEL V20101HD-SC 2" TEE ISOLATION VALVE		
3	▼	HARGO MODEL 74-326102 2" PE IPS - DRAIN VALVE		
3	▲	1" COMBINATION VACUUM/AIR RELEASE VALVE		
1	(P)	PUMP STATION		
1	■	RAIN BIRD NIMBUSH CENTRAL COMPUTER (LOCATED AT MAINTENANCE)		
1	■	240V POWER SOURCE		
1	(D)	RAIN BIRD ICI-3000		
43	— —	GROUND LOCATION AND SURGE PROTECTION. SEE DETAILS		

ICI #1 CABLE QUANTITIES					
QTY	KEY	HOLES	SIZE	STATIONS PER PATH	PAIR AT ICI TERMINAL
14,591	— — — — —	3,4,5,7,8	#14	150	1
13,817	— — — — —	2,6,9,12,PG	#14	156	1
11,138	— — — — —	1,10,11,18	#14	126	2
13,894	— — — — —	13,14,15,16,17	#14	167	2

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RAIN BIRD ELECTRICAL PLAN

Fendrich Golf Course

Evansville, IN

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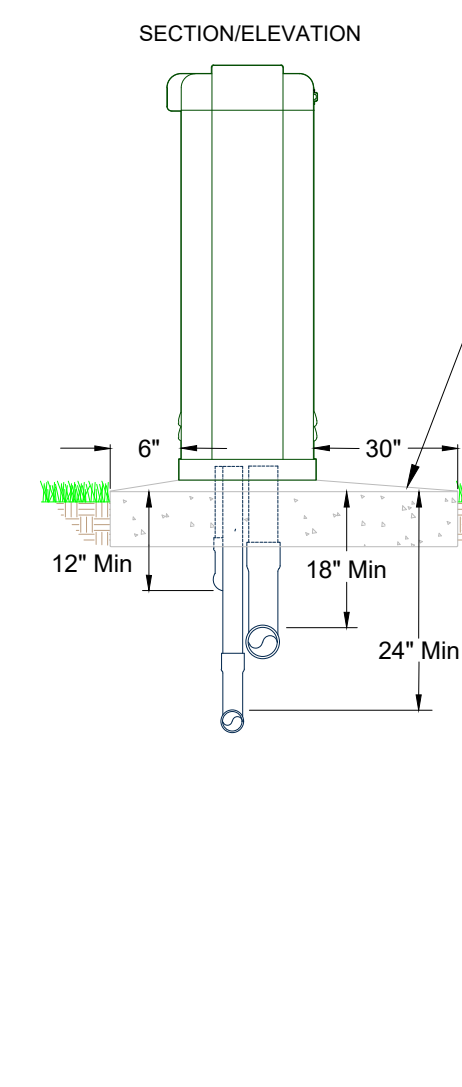
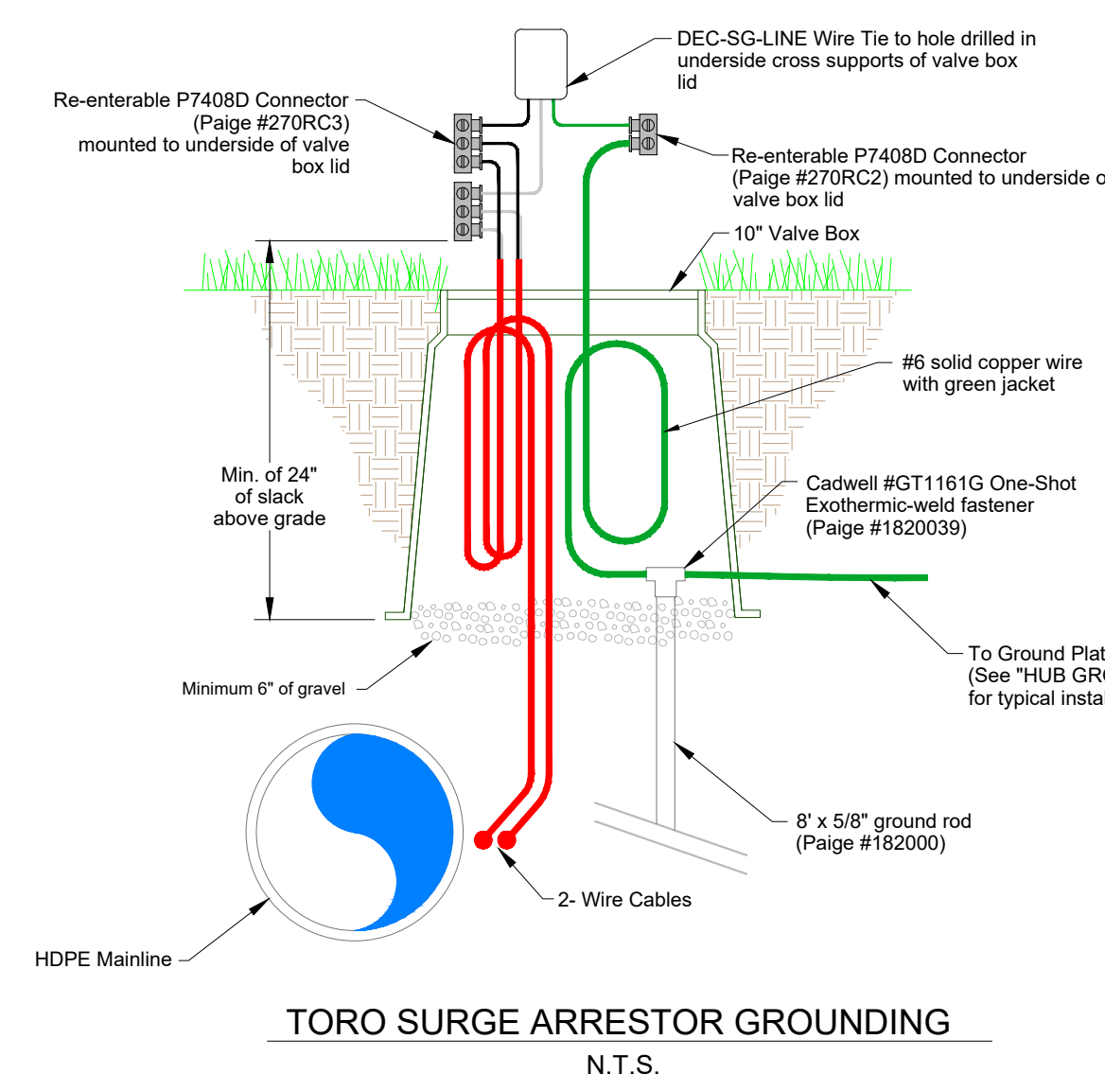
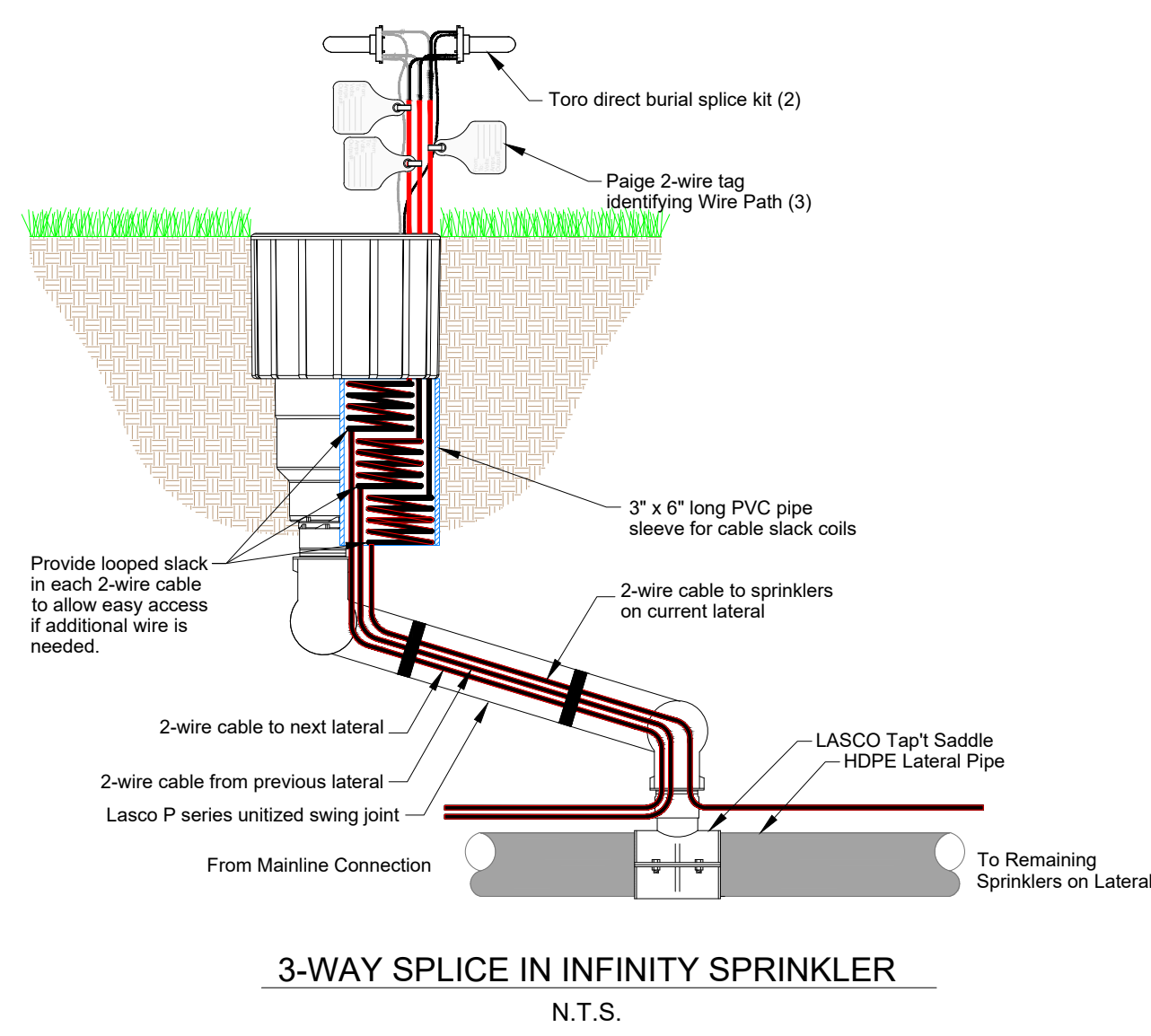
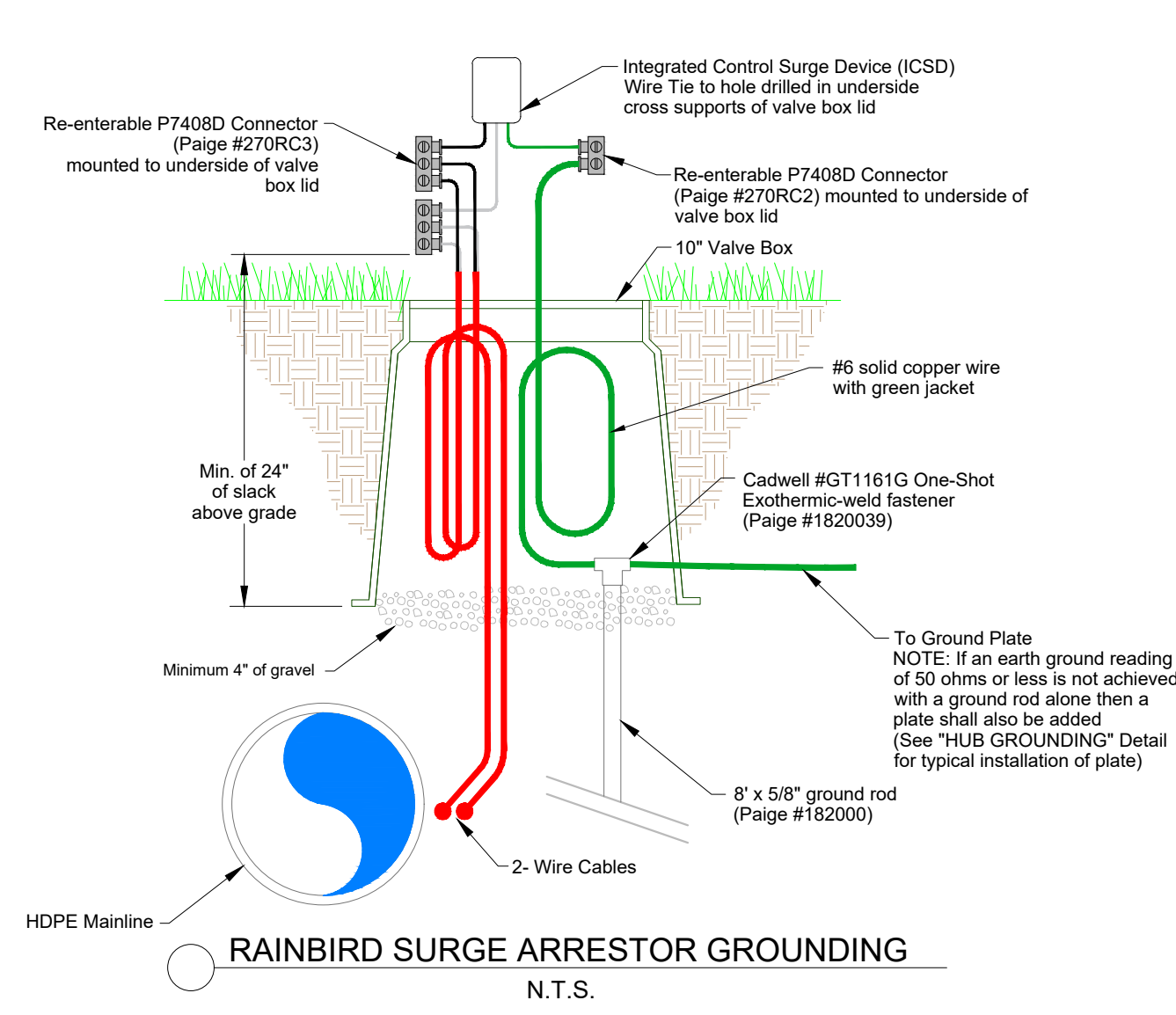
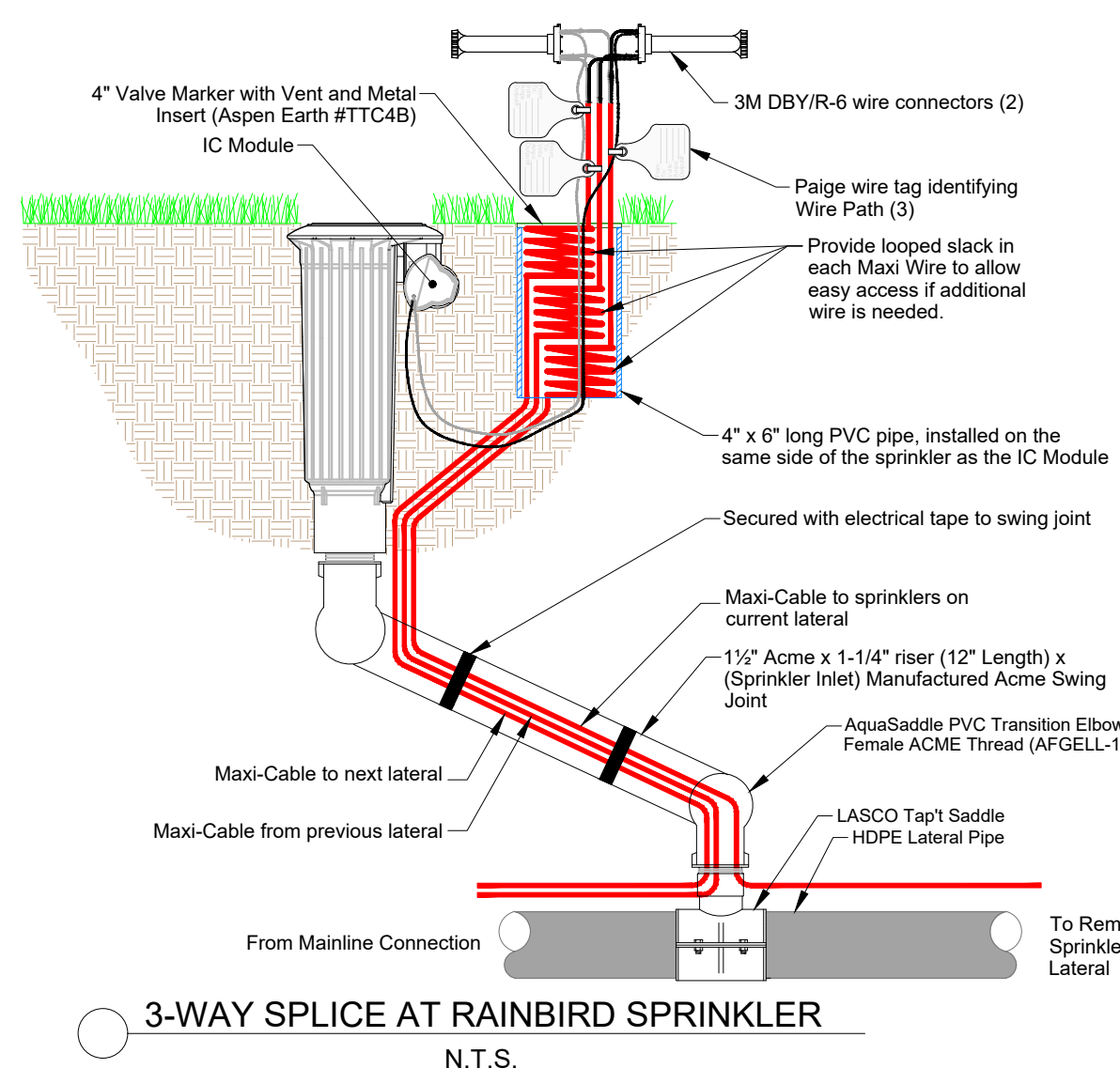
OF

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OF

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TORO LYNX SMART HUB
N.T.S.

