FRONTIER CLUB

LODI TOWNSHIP
WASHTENAW COUNTY, MICHIGAN

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

HRC JOB No. 2026056

CONTACT INFORMATION

OWNER

JONES & JONES LEASING CO LLC

SCOTT KOVANDA
FOUNDER
101 N MAIN ST, SUITE 360
ANN ARBOR, MI 48104
(810) 360-5453
scott@frontiergolfclub.com

CIVIL ENGINEER

HUBBELL, ROTH & CLARK, INC

JAMES BURTON, P.E.
Vice President | Project Manager
555 Hulet Drive
Bloomfield Township, MI 48302
(248) 454-6300
JBurton@hrcengr.com

ARCHITECT

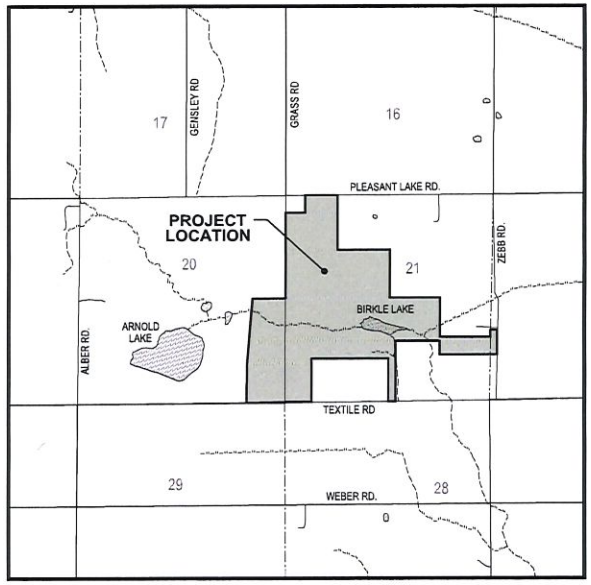
BECK ARCHITECTURE LLC

ED MCGONIGLE, AIA
1601 Elm St, Suite 2800
Dallas, TX 75201
(214) 303-6444
EdMcGonigle@beckarhitecture.com

LANDSCAPE ARCHITECT

MOSHER DESIGN CO

Matt Mosher
2726 Nakota Rd
Royal Oak, MI 48073
(248) 581-0381
matt@mosherdesignco.com



NORTH

PROJECT LOCATION MAP

SCALE : 1" = 1500'

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PROPOSED MEMBER / MAINTENANCE ENTRANCE SITE PLAN	C 04
PROPOSED DRIVING RANGE AREA SITE PLAN	C 05
PROPOSED CLUB HOUSE / CABINS SITE PLAN	C 06
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EXISTING TREE INVENTORY AND ASSESSMENT	C 09
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HIMALAYAS	
MULTIPURPOSE BUILDING PLAN	
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COMFORT STATION PLAN	
CLUBHOUSE GENERATOR PLAN	
MAINTENANCE FACILITY PLAN	
PLEASANT LAKE RD	
PRELIMINARY PUMP STATION BUILDING AND COMPONENT LAYOUT	

RECEIVED
2026-11
AUG 03 2026
Lodi Township

08/03/2026 PRELIMINARY SITE PLAN REVIEW

DATE	ISSUED FOR / ADDITIONS / REVISIONS
08-03-2026	PRELIMINARY SITE PLAN REVIEW

PREPARED FOR:

PREPARED BY:

HRC
HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915
555 HULET DRIVE
BLOOMFIELD HILLS, MICH.
P.O. BOX 824
48303 - 0824
PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6398
WEB SITE: http:// www.hrcengr.com

STATE OF MICHIGAN
Matthew C. Slicker
LICENSED PROFESSIONAL ENGINEER
No. 6201046012

MATTHEW C. SLICKER

DRAWING No.
COVER

ORIGINAL PLOT SIZE: ARCH D (24.00 X 36.00 INCHES)

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Hardin, Robert
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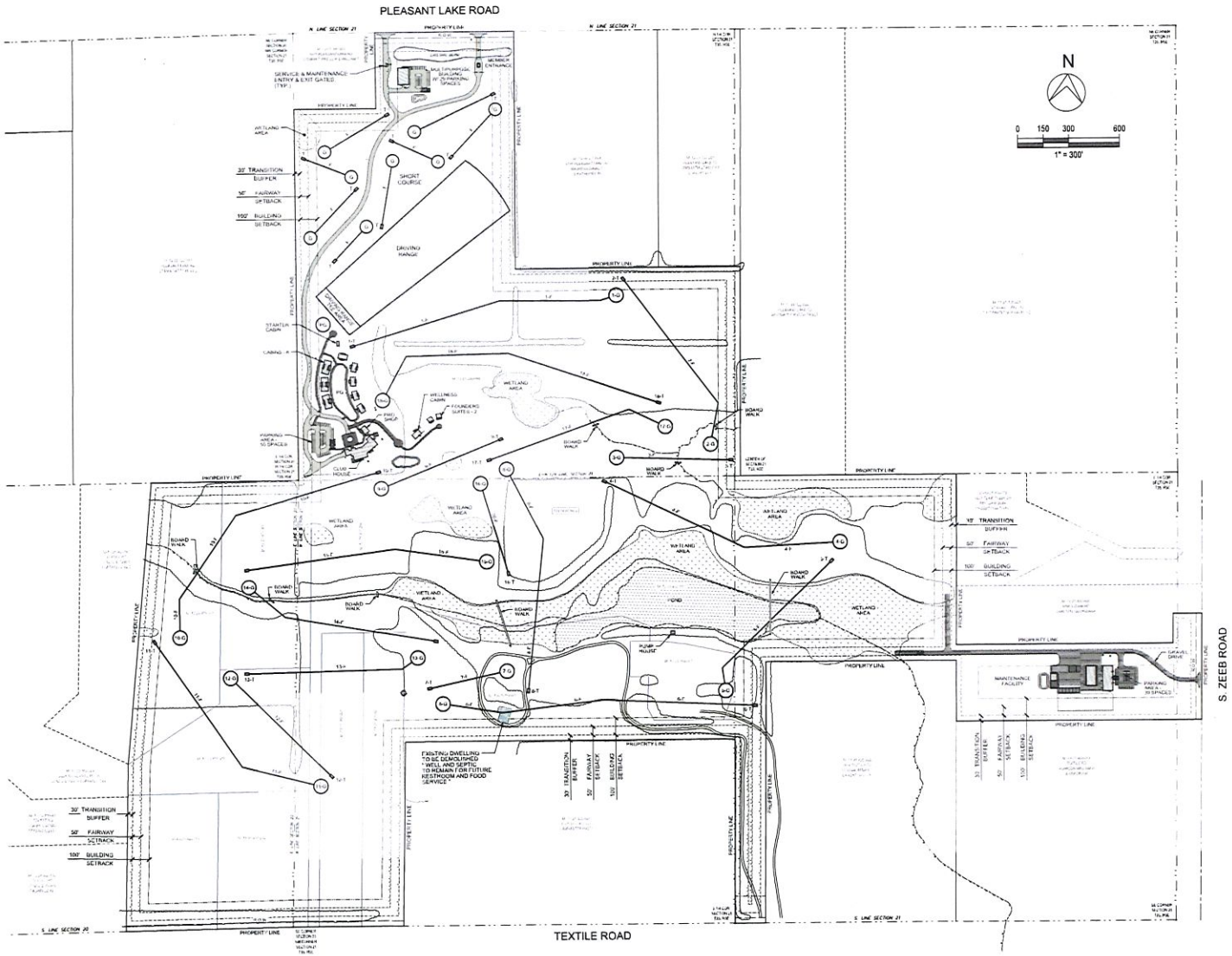

SITE DATA :

PROPERTY IDENTIFICATION :

13 TOTAL PARCELS IN THE 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E LODI TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

M-13-20-400-005, M-13-20-400-006, M-13-20-400-013
M-13-20-400-014, M-13-20-400-015, M-13-21-200-004
M-13-21-300-003, M-13-21-300-006, M-13-21-300-007
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M-13-21-400-007

EXISTING ZONING : Agriculture
ADJACENT ZONING : Agriculture

PROPOSED USE : Golf Course / Driving Range
NET AREA OF SITE : 333.74 ± Acres

PROPOSED BUILDINGS :
Club House w/ Lodging, Pro - Shop, Starter Building
Cabins For Lodging - 11
Comfort Station - By 6th Green and 7th Tee
Multipurpose / Storage / Laundry
Maintenance Facility Area - 4 Separate Buildings
Pump House - By the Pond

UTILITY SUMMARY

WATER SUPPLY : SITE WELLS
SANITARY SEWER : SEPTIC TANKS / DRAINAGE FIELDS
STORM SEWER : CATCH BASINS w/ ENCLOSED AND OPEN DRAINAGE

PARKING REQUIREMENTS :

4 SPACES PER HOLE : = 72 SPACES

1 SPACE PER EMPLOYEE = 45 SPACES

TOTAL PARKING REQUIRED : = 117 SPACES

PARKING PROVIDED :
CLUB HOUSE AREA = 55 SPACES
MULTIPURPOSE BLDG. = 29 SPACES
MAINTENANCE FACILITY : = 39 GRAVEL SPACES

TOTAL SPACE PROVIDED : = 123 SPACES
(INCLUDES 7 BARRIER FREE SPACES - 1 VAN SPACE)

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA

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CALL MISS DIG
72 HOURS
(3 WORKING DAYS)
BEFORE YOU DIG
1-800-482-7171
or 811
(TOLL FREE)

ORIGINAL PLOT SIZE: ARCH D (24.00 X 36.00 INCHES)

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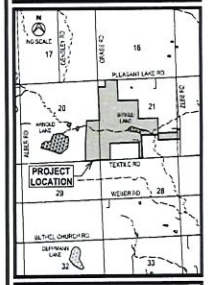
WEB SITE: www.hrcengr.com

08-03-2026	PRELIMINARY SITE PLAN REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED OVERALL SITE PLAN

HRC JOB NO.	SCALE
J0260056	HOR. 1" = 300'
DATE	SHEET NO.
August 2026	C 01

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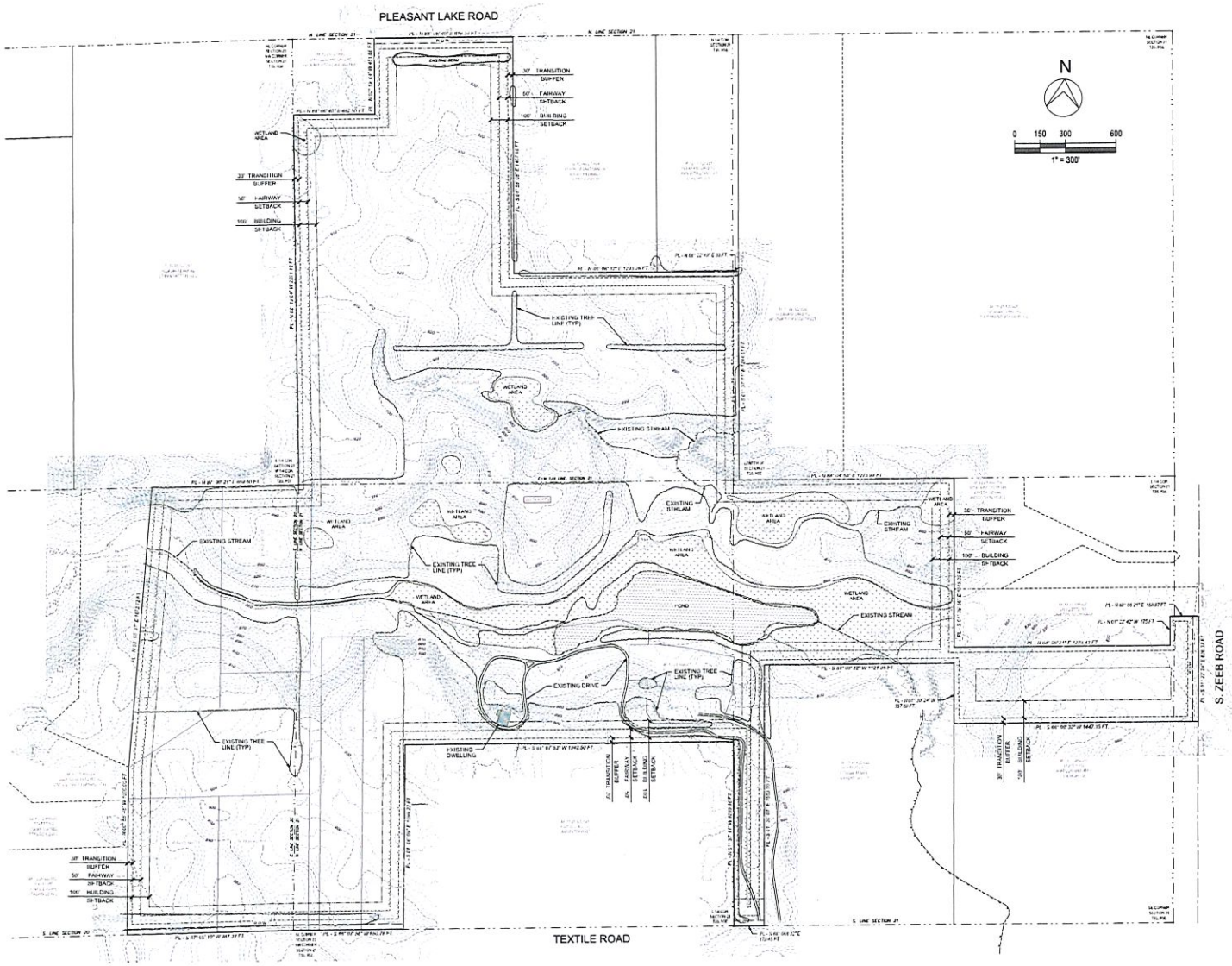

SITE DATA :

PROPERTY IDENTIFICATION :

13 TOTAL PARCELS IN THE 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E LODE TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

M-13-20-400-005, M-13-20-400-006, M-13-20-400-013
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M-13-21-300-005, M-13-21-300-006, M-13-21-300-007
M-13-21-300-008, M-13-21-300-009, M-13-21-400-005
M-13-21-400-007

EXISTING ZONING : Agriculture
ADJACENT ZONING : Agriculture

NET AREA OF SITE : 333.74 ± Acres (Including Right of Way)

PROPERTY DESCRIPTION : (Of Outlace perimeter of the 13 total Parcels)

PART OF SECTIONS 20 AND 21, T.3S., R.5E., LODI TOWNSHIP, WASHTENAW COUNTY, STATE OF MICHIGAN, DESCRIBED AS:
COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 21; THENCE NORTH 88 DEGREES 24 MINUTES 43 SECONDS EAST 462.50 FEET ALONG THE NORTH LINE OF SAID SECTION 21 TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID NORTH LINE OF SECTION 21, NORTH 88 DEGREES 24 MINUTES 43 SECONDS EAST 818.34 FEET; THENCE SOUTH 01 DEGREES 54 MINUTES 05 SECONDS EAST 1497.16 FEET; THENCE NORTH 88 DEGREES 26 MINUTES 32 SECONDS EAST 1293.24 FEET TO A POINT ON THE NORTH - SOUTH 1/4 QUARTER LINE OF SAID SECTION 21; THENCE NORTH 88 DEGREES 22 MINUTES 43 SECONDS EAST 33.02 FEET; THENCE SOUTH 01 DEGREES 37 MINUTES 11 SECONDS EAST 1244.51 FEET TO A POINT ON THE EAST-WEST QUARTER LINE OF SAID SECTION 21; THENCE NORTH 88 DEGREES 04 MINUTES 53 SECONDS EAST 1273.36 FEET ALONG SAID EAST-WEST QUARTER LINE OF SECTION 21; THENCE SOUTH 01 DEGREES 29 MINUTES 56 SECONDS EAST 1015.25 FEET; THENCE NORTH 88 DEGREES 56 MINUTES 21 SECONDS EAST 1270.43 FEET; THENCE NORTH 01 DEGREES 22 MINUTES 42 SECONDS WEST 175.03 FEET; THENCE NORTH 88 DEGREES 26 MINUTES 21 SECONDS EAST 168.37; THENCE SOUTH 01 DEGREES 22 MINUTES 24 SECONDS EAST 629.37 FEET; THENCE SOUTH 89 DEGREES 26 MINUTES 32 SECONDS WEST 1447.35 FEET; THENCE NORTH 01 DEGREES 30 MINUTES 24 SECONDS WEST 357.69 FEET; THENCE SOUTH 89 DEGREES 09 MINUTES 32 SECONDS WEST 1121.99 FEET; THENCE SOUTH 01 DEGREES 30 MINUTES 01 SECONDS EAST 1053.00 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION 21; THENCE SOUTH 88 DEGREES 08 MINUTES 32 SECONDS WEST 179.49 FEET ALONG SAID SOUTH LINE OF SECTION 21 TO THE SOUTH QUARTER CORNER OF SAID SECTION 21; THENCE NORTH 01 DEGREES 37 MINUTES 11 SECONDS WEST 1299.16 FEET ALONG THE NORTH - SOUTH QUARTER LINE OF SAID SECTION 21; THENCE SOUTH 88 DEGREES 07 MINUTES 53 SECONDS WEST 1342.53 FEET; THENCE SOUTH 01 DEGREES 36 MINUTES 03 SECONDS EAST 1038.22 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION 21; THENCE SOUTH 88 DEGREES 07 MINUTES 54 SECONDS WEST 663.76 FEET TO THE SOUTHWEST CORNER OF SAID SECTION 21, WHICH IS ALSO THE SOUTHEAST CORNER OF SECTION 20; THENCE SOUTH 87 DEGREES 05 MINUTES 10 SECONDS WEST 667.37 FEET ALONG THE SOUTH LINE OF SAID SECTION 20; THENCE NORTH 03 DEGREES 35 MINUTES 46 SECONDS WEST 1303.20 FEET; THENCE NORTH 03 DEGREES 05 MINUTES 37 SECONDS EAST 1672.77 FEET TO A POINT ON THE EAST - WEST QUARTER LINE OF SAID SECTION 20; THENCE NORTH 87 DEGREES 30 MINUTES 21 SECONDS EAST 963.40 FEET ALONG THE SAID EAST-WEST QUARTER LINE OF SECTION 20 TO THE EAST QUARTER CORNER OF SAID SECTION 20, WHICH IS ALSO THE WEST QUARTER CORNER OF SAID SECTION 21; THENCE NORTH 02 DEGREES 19 MINUTES 04 SECONDS WEST 2101.12 FEET ALONG THE WEST LINE OF SAID SECTION 21; THENCE NORTH 88 DEGREES 26 MINUTES 53 SECONDS EAST 462.50 FEET; THENCE NORTH 02 DEGREES 19 MINUTES 04 SECONDS WEST 451.66 FEET TO THE POINT OF BEGINNING. - 14 429,375 SFT. / 331.2 ± Acres (Less the Right of Way)

LEGEND - EX. TOPOGRAPHY

- EXISTING BUILDING / STRUCTURE
- EXISTING CONCRETE PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING GRAVEL PAVEMENT

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ORIGINAL PLOT SIZE: ARCH D (24.00 X 36.00 INCHES)

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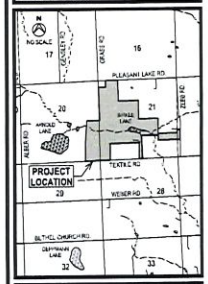
WEB SITE: www.hrcengr.com

DATE	ADDITIONS AND/OR REVISIONS
06-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED M.G.S. / R.C.H.
DRAWN R.C.H.
CHECKED M.G.S.
APPROVED J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

OVERALL EXISTING CONDITIONS PLAN

HRC JOB NO.	SCALE
20260056	HOR. 1" = 300'
DATE August 2026	SHEET NO. C 02

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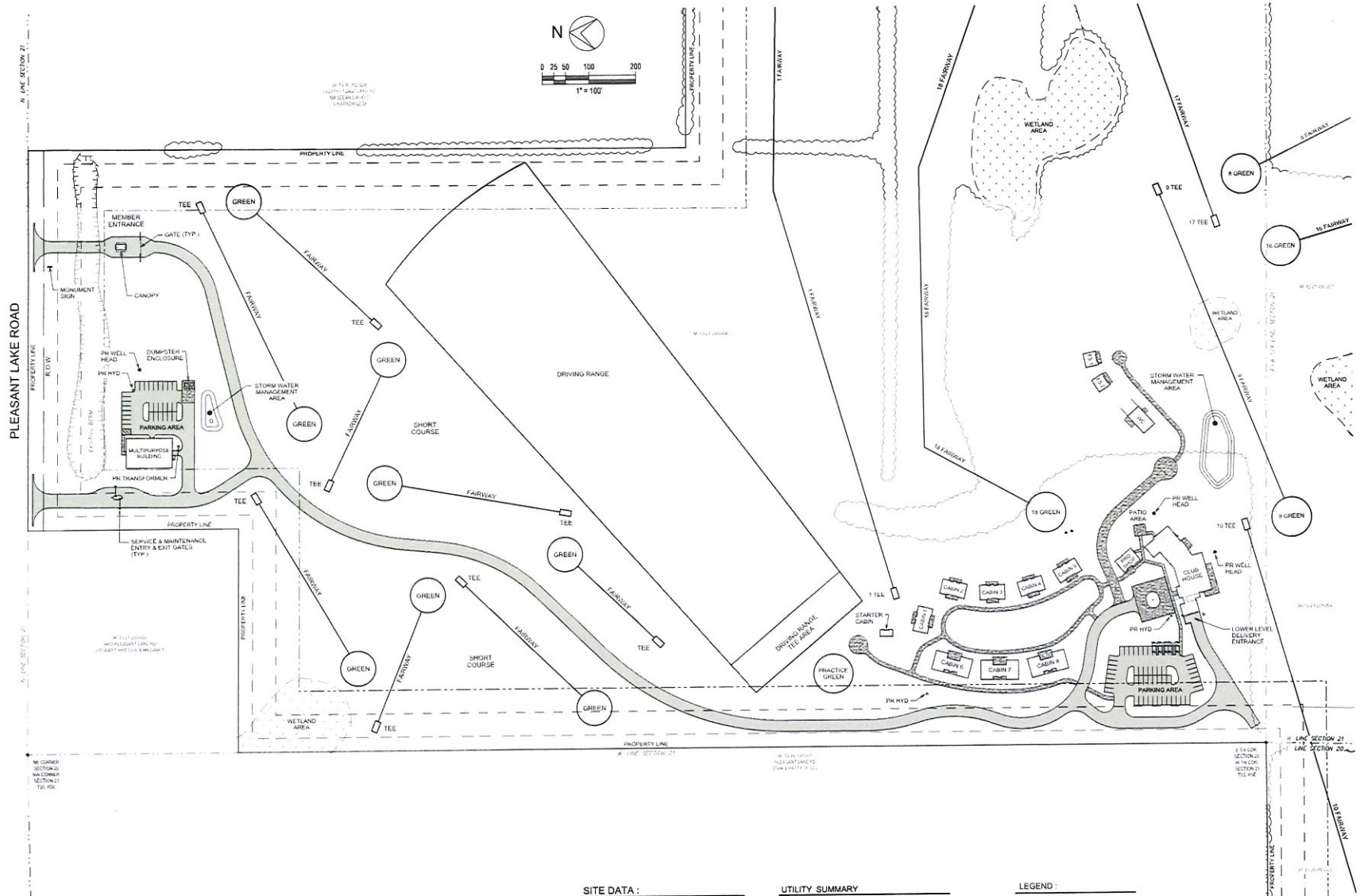

SITE DATA :

PROPERTY IDENTIFICATION :

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M-13-21-400-007

EXISTING ZONING : Agriculture
ADJACENT ZONING : Agriculture

PROPOSED USE : Golf Course / Driving Range
NET AREA OF SITE : 333.74 ± Acres

PROPOSED BUILDINGS :
- Club House w/ Lodging, Pro - Shop, Starter Building
- Cabins For Lodging - 11
- Comfort Station - By 6th Green and 7th Tee
- Multipurpose / Storage / Laundry
- Maintenance Facility Area - 4 Separate Buildings
- Pump House - By the Pond

UTILITY SUMMARY

WATER SUPPLY : SITE WELLS
SANITARY SEWER : SEPTIC TANKS / DRAINAGE FIELDS
STORM SEWER : CATCH BASINS w / ENCLOSED AND OPEN DRAINAGE

PARKING REQUIREMENTS :

4 SPACES PER HOLE	= 72 SPACES
1 SPACE PER EMPLOYEE	= 45 SPACES
TOTAL PARKING REQUIRED	= 117 SPACES

PARKING PROVIDED :

CLUB HOUSE AREA	= 55 SPACES
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MAINTENANCE FACILITY :	= 39 GRAVEL SPACES
TOTAL SPACE PROVIDED (INCLUDES 7 BARRIER FREE SPACES - 1 VAN SPACE)	= 123 SPACES

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT

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FC

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WEB SITE: www.hrcengr.com

DATE	ADDITIONS AND/OR REVISIONS
06-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED M.G.S. / R.C.H.
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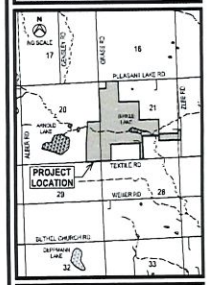
CHECKED M.G.S.
APPROVED J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED ENTRANCE & CLUB HOUSE SITE PLAN

HRC JOB NO. 20260056	SCALE HOR. 1" = 100'
DATE August 2026	SHEET NO. C 03

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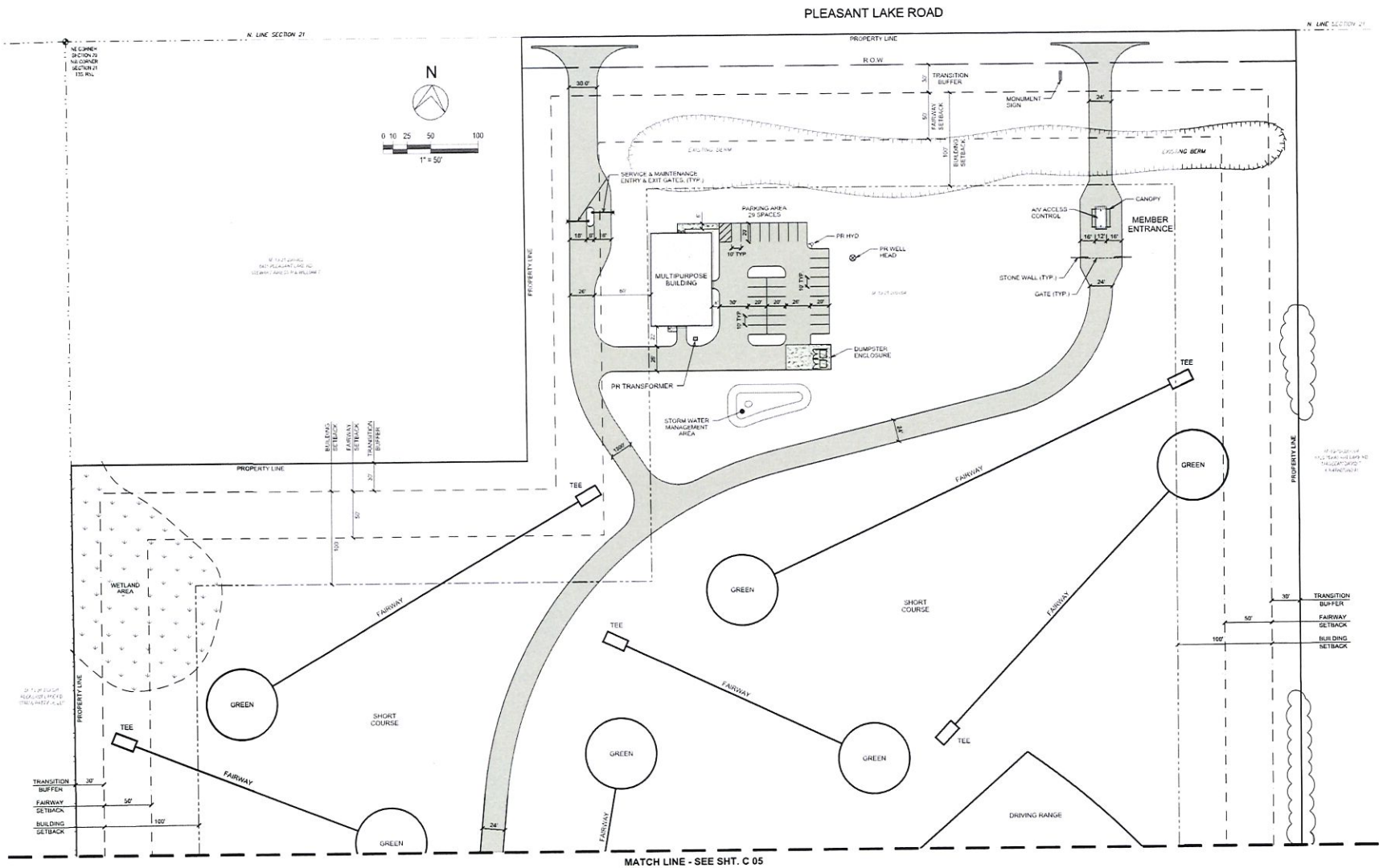

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UTILITY SUMMARY

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SANITARY SEWER	SEPTIC TANKS / DRAINAGE FIELDS
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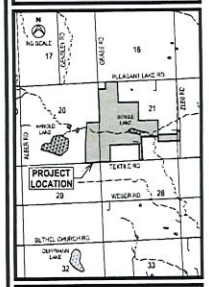

LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E
WASHTENAW COUNTY MICHIGAN

PROPOSED MEMBER / MAINTENANCE ENTRANCE SITE PLAN

HRC JOB NO. 20260056	SCALE HOR. 1" = 50'
DATE August 2026	SHEET NO. C 04

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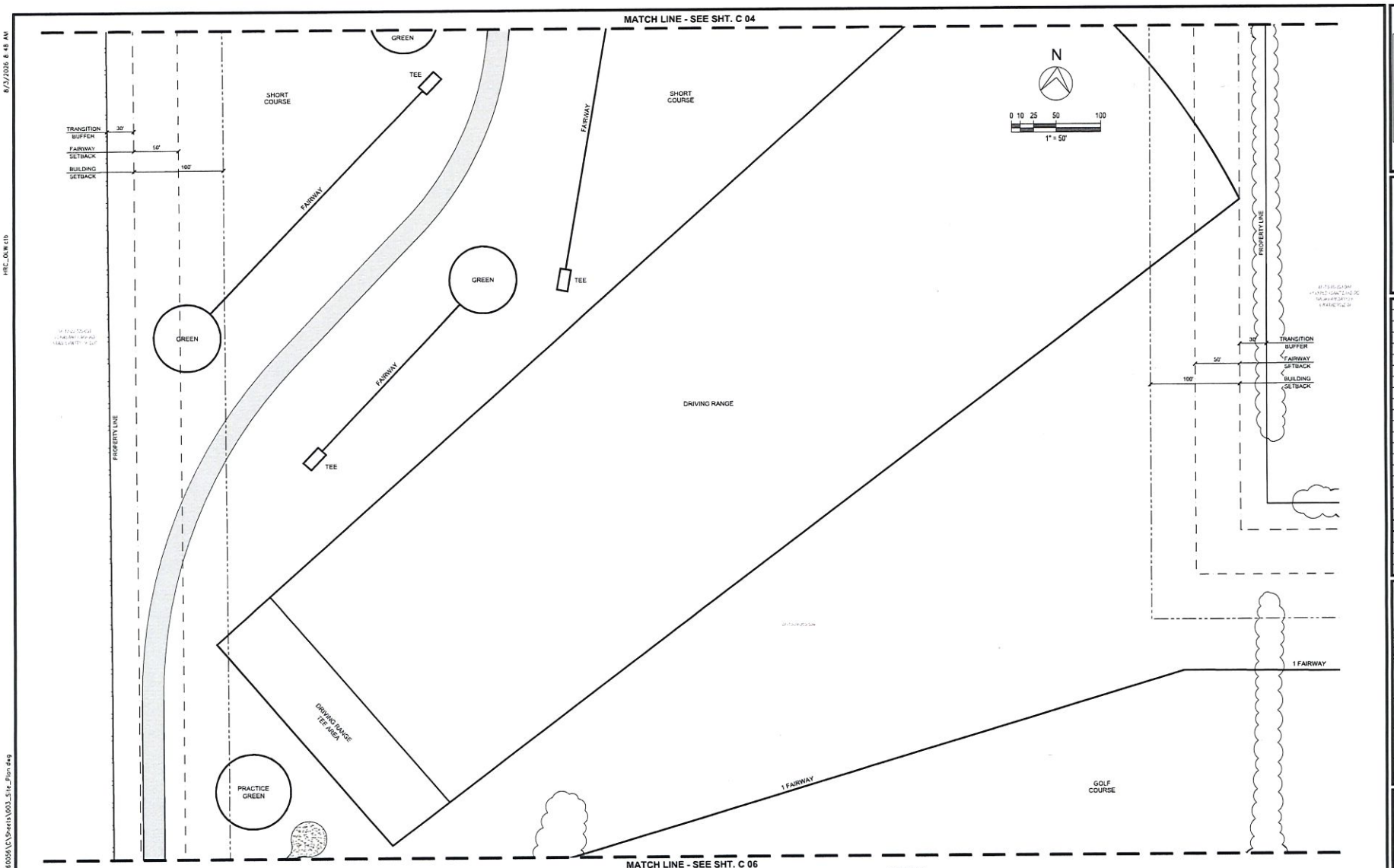

SITE DATA :

PROPERTY IDENTIFICATION

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UTILITY SUMMARY

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SANITARY SEWER :	SEPTIC TANKS / DRAINAGE FIELDS
STORM SEWER	CATCH BASINS w / ENCLOSED AND OPEN DRAINAGE

PARKING REQUIREMENTS :

4 SPACES PER HOLE	= 72 SPACES
1 SPACE PER EMPLOYEE	= 45 SPACES
TOTAL PARKING REQUIRED :	= 117 SPACES

PARKING PROVIDED :

CLUB HOUSE AREA :	- 55 SPACES
MULTIPURPOSE BLDG :	= 29 SPACES
MAINTENANCE FACILITY :	= 39 GRAVEL SPACES
TOTAL SPACE PROVIDED :	- 123 SPACES

(INCLUDES 7 BARRIER FREE SPACES - 1 VAN SPACE)

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT

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ORIGINAL PLOT SIZE, WHICH FULL SHEET IS (36.00 X 24.00 INCHES)

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CONSULTING ENGINEERS SINCE 1915

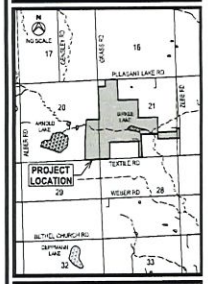
555 HULET DRIVE
BLOOMFIELD HILLS, MICH.

P.O. BOX 824
48303 - 0824

PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6212
FAX (2nd. Floor): (248) 454-6354

WEB SITE: www.hrcengr.com

DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED DRIVING RANGE AREA SITE PLAN

HRC JOB NO. 20260056	SCALE HOR. 1" = 50'
DATE August 2026	SHEET NO. C 05

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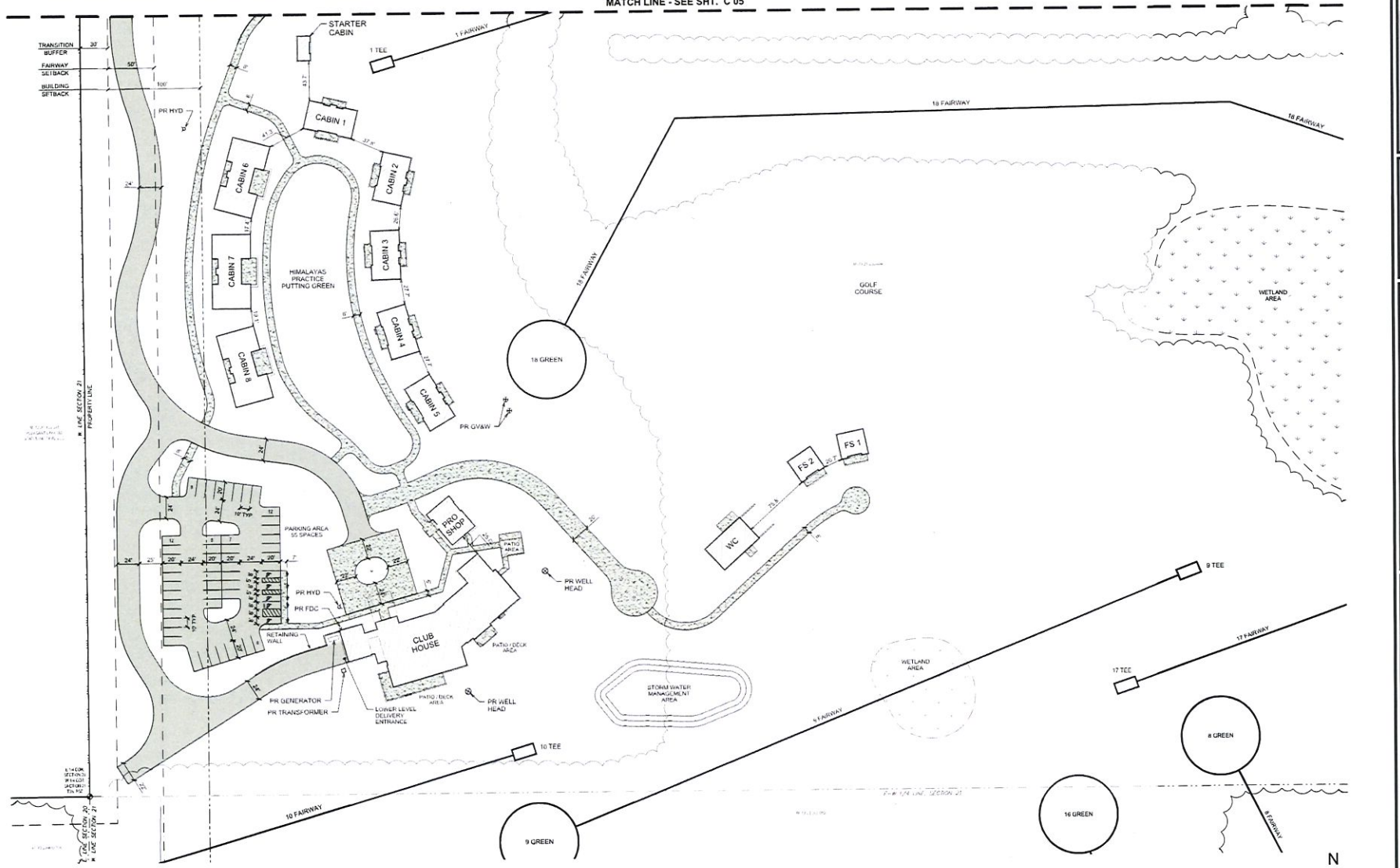
Hurrish, David



SITE DATA :

PROPERTY IDENTIFICATION

13 TOTAL PARCELS IN THE 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E I ODF TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

M-13-20-400-005, M-13-20-400-009, M-13-20-400-013
M-13-20-400-014, M-13-20-400-015, M-13-21-200-004
M-13-21-300-005, M-13-21-300-006, M-13-21-300-007
M-13-21-300-008, M-13-21-300-009, M-13-21-400-005
M-13-21-400-007

EXISTING ZONING : Agriculture
ADJACENT ZONING : Agriculture

PROPOSED USE : Golf Course / Driving Range
NET AREA OF SITE : 333.74 ± Acres

PROPOSED BUILDINGS
Club House w/ Lodging, Pro - Shop, Starter Building
Cabins For Lodging - 11
Comfort Station - By 6th Green and 7th Tee
Multipurpose / Storage / Laundry
Maintenance Facility Area - 4 Separate Buildings
Pump House - By the Pond

UTILITY SUMMARY

WATER SUPPLY : SITE WELLS
SANITARY SEWER : SEPTIC TANKS / DRAINAGE FIELDS
STORM SEWER : CATCH BASINS w / ENCLOSED AND OPEN DRAINAGE

PARKING REQUIREMENTS :

4 SPACES PER HOLE : = 72 SPACES
1 SPACE PER EMPLOYEE : = 45 SPACES
TOTAL PARKING REQUIRED : = 117 SPACES

PARKING PROVIDED :
CLUB HOUSE AREA = 55 SPACES
MULTIPURPOSE BLDG : = 29 SPACES
MAINTENANCE FACILITY = 39 GRAVEL SPACES

TOTAL SPACE PROVIDED = 123 SPACES
(INCLUDES 7 BARRIER FREE SPACES - 1 VAN SPACE)

LEGEND :
PROPOSED BUILDINGS
PROPOSED CONCRETE PAVEMENT
PROPOSED BITUMINOUS PAVEMENT

N

0 10 25 50 100
1" = 50'

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BEFORE YOU DIG
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or 811
(TOLL FREE)

ORIGINAL PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES)

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DATE	ADDITIONS AND/OR REVISIONS
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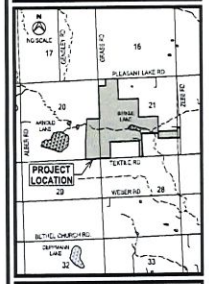
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED
CLUB HOUSE / CABINS
SITE PLAN

HRC JOB NO	SCALE
20260056	HOR. 1" = 50'
DATE	SHEET NO.
August 2026	C 06

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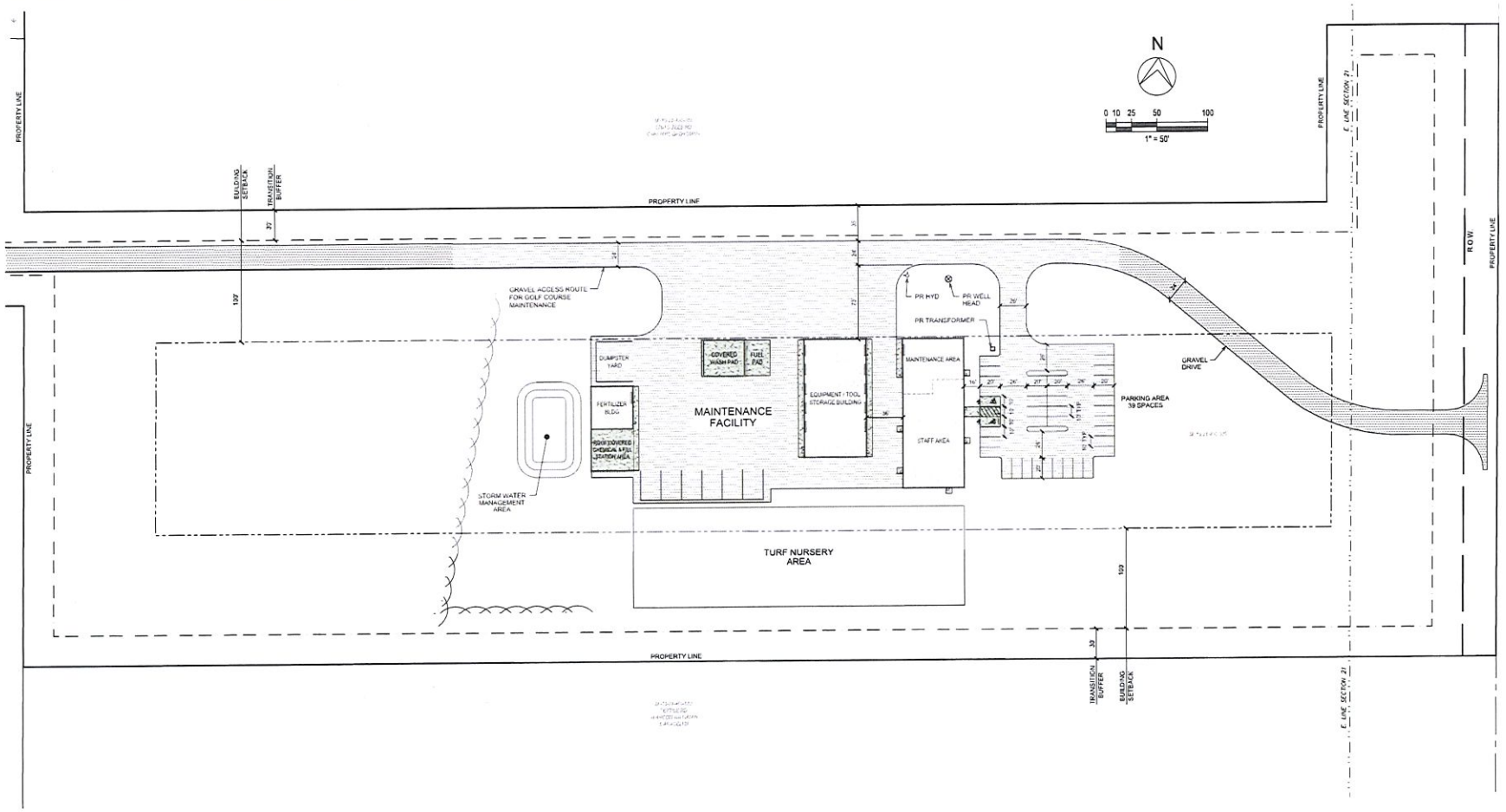
Hurrish, David



SITE DATA :

PROPERTY IDENTIFICATION

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M-13-20-400-005, M-13-20-400-006, M-13-20-400-013
M-13-20-400-014, M-13-20-400-015, M-13-21-200-004
M-13-21-300-005, M-13-21-300-006, M-13-21-300-007
M-13-21-300-008, M-13-21-300-009, M-13-21-400-005
M-13-21-400-007

EXISTING ZONING : Agriculture
ADJACENT ZONING : Agriculture

PROPOSED USE : Golf Course / Driving Range
NET AREA OF SITE : 333.74 ± Acres

PROPOSED BUILDINGS :
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Multipurpose / Storage / Laundry
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LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT

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ORIGINAL PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES)

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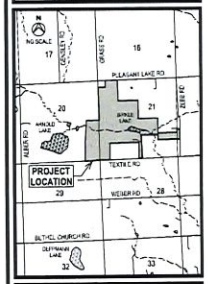
DATE	ADDITIONS AND/OR REVISIONS

DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED MAINTENANCE FACILITY SITE PLAN

HRC JOB NO. 20260056	SCALE HOR. 1" = 50'
DATE August 2026	SHEET NO. C 07

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1" = 300'

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- EXISTING WOODLOTS
- EXISTING WETLANDS
- EXISTING WATER FEATURE
- EXISTING CONTOURS

STEEP SLOPES VARIOUS AREAS WITH A RISE OF TWELVE PERCENT (12%) OR MORE HAVING A VERTICAL CHANGE IN ELEVATION OF EIGHT (8) OR MORE FEET AND A LENGTH OF THIRTY (30) FEET OR MORE, AS MEASURED PARALLEL TO THE CONTOUR LINES EXIST ON SITE.

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ORIGINAL PLOT SIZE: ARCH D (24.00 X 36.00 INCHES)

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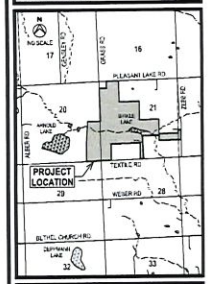
48303 - 0824
PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6256
WEB SITE: www.hrcengr.com

DATE	ADDITIONS AND/OR REVISIONS
08-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

EXISTING NATURAL FEATURES PLAN

HRC JOB NO	SCALE
20260056	HOR. 1" = 300'
DATE: August 2026	SHEET NO. C 08

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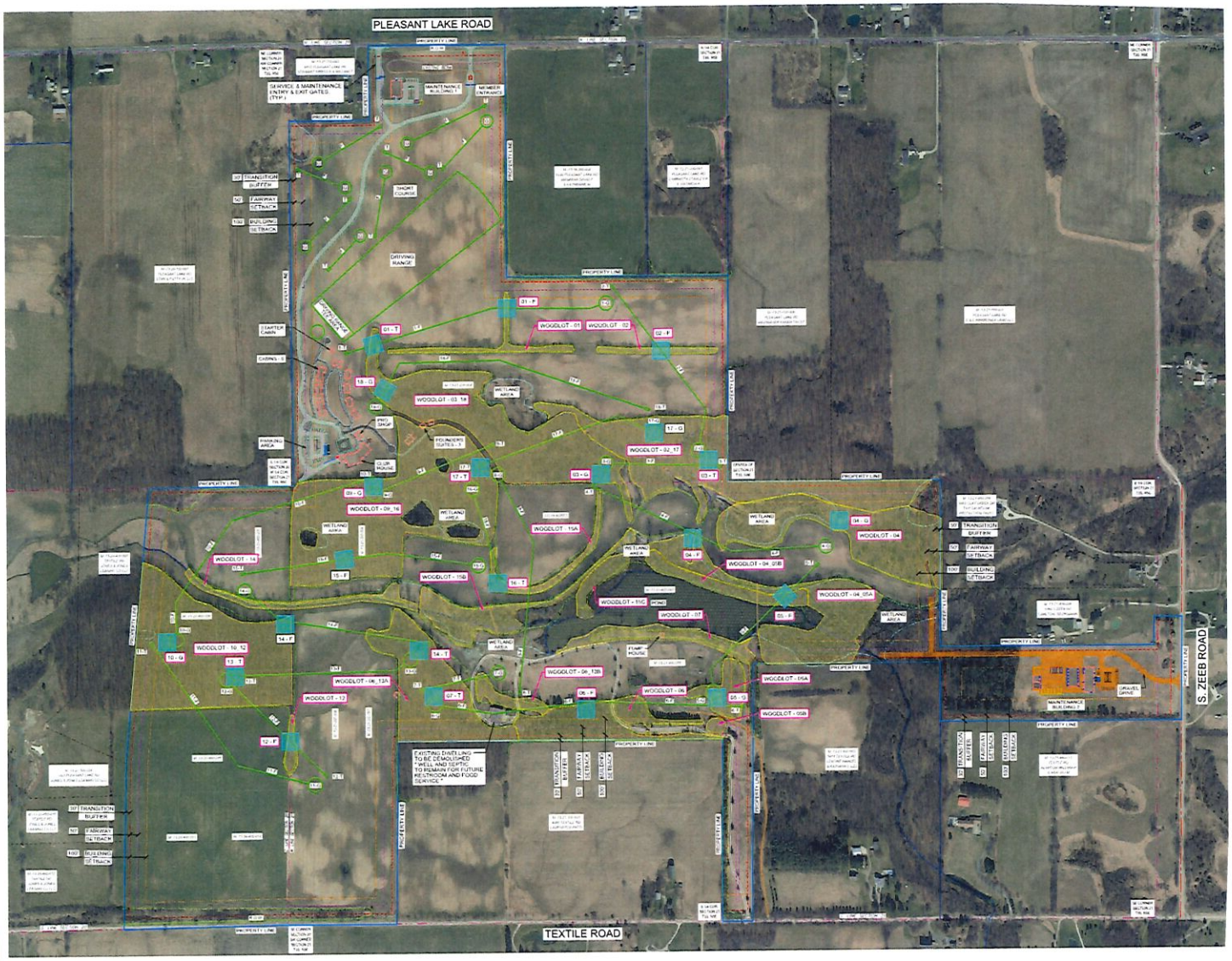

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0 150 300 600

1" = 300'

WOODLOT	AREA (AC)	TREE(S)	ESTIMATED DIA. TREE(S)	Comments
Woodlot 01	0.55	11	14	
Woodlot 02	1.94	16	9	
Woodlot 03_TR	11.12	142	20.0	
Woodlot 03_TR	10.88	141	19.0	
Woodlot 04	4.75	67	7.0	
Woodlot 05_05_A	7.58	142	19.0	
Woodlot 06_06B	0.17	142	5	242 Dead Trees within emergent wetland area of Spoon Lake
Woodlot 07_A	0.46	61	5.0	
Woodlot 08_B	2.25	61	12	
Woodlot 09	4.17	286	17.0	
Woodlot 09_10_A	7.56	128	20.0	
Woodlot 10_10_B	7.64	128	19.0	
Woodlot 11	2.56	14	29	
Woodlot 09_13	10.40	80	19.0	
Woodlot 12_13	10.64	116	20.0	
Woodlot 13	10.43	33	14	
Woodlot 14	3.12	62	16	
Woodlot 12_A	3.86	25	9.0	
Woodlot 14_B	3.56	25	21.0	
Woodlot 14_C	1.67	25	5	21 Dead Trees within emergent wetland area of Wetland Lake
Total Estimated Trees	97.93		11442	

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- WOODLAND INVENTORY SURVEY PLOTS
- EXISTING WOODLOTS
- PROPOSED GREENS
- PROPOSED FAIRWAYS
- PROPOSED TEE BOXES

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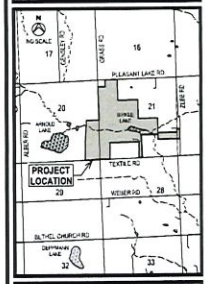
08-03-2026	PRELIMINARY SITE PLAN REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

EXISTING TREE INVENTORY & ASSESSMENT

HRC JOB NO. 26260056	SCALE HOR. 1" = 300'
DATE August 2026	SHEET NO. C 09

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WOODLOT 01

OBSERVATION NOTES: Existing agricultural tree row with perennial/grass groundcover.

ACREAGE: 0.85

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
70	Black Walnut	Juglans nigra	12	Fair	01-F

WOODLOT 02

OBSERVATION NOTES: Existing agricultural tree row with perennial/grass groundcover.

ACREAGE: 0.54

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
8	Black Walnut	Juglans nigra	10	Fair	02-F

WOODLOT 02_17

OBSERVATION NOTES: Woodlot is primarily canopy tree coverage with little to no understory vegetation.

ACREAGE: 11.12

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
2022	White Ash	Fraxinus americana	15	Good	17-G
	Silver Maple	Acer saccharinum			03-T
	Shagbark Hickory	Carya ovata			
	White Oak	Quercus alba			
	Black Cherry	Prunus serotina			
	Northern Red Oak	Quercus rubra			
	American Elm	Ulmus americana			
	Sugar Maple	Acer saccharum			

WOODLOT 03_18

OBSERVATION NOTES: Woodlot is primarily canopy tree coverage with little to no understory vegetation.

ACREAGE: 10.96

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
1545	Black Walnut	Juglans nigra	10	Fair/Poor	01-T
	Black Cherry	Prunus serotina			18-G
	White Ash	Fraxinus americana			03-G
	Silver Maple	Acer saccharinum			
	Northern Red Oak	Quercus rubra			
	Shagbark Hickory	Carya ovata			
	Eastern Red Cedar	Juniperus virginiana			

WOODLOT 04

OBSERVATION NOTES: Areas of existing woodlot contain understory plant material of Forsythia (Forsythia spp.), Autumn Olive (Elaeagnus umbellata), & Honeysuckle (Lonicera spp.).

ACREAGE: 8.73

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
759	Shagbark Hickory	Carya ovata	12	Good	04-G
	American Elm	Ulmus americana			
	Northern Red Oak	Quercus rubra			
	Black Walnut	Juglans nigra			

WOODLOT 04_05_A

OBSERVATION NOTES: Woodlot is predomiantly old growth evergreen/conifers with ground cover of invasive vines and woody understory shrubs.

ACREAGE: 7.09

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
1007	Silver Maple	Acer saccharinum	11	Fair/Very Poor	05-F
	American Elm	Ulmus americana			04-F
	Black Walnut	Juglans nigra			
	Boxelder Maple	Acer negundo			
	Austrian Pine	Pinus nigra			
	Eastern Hemlock	Tsuga canadensis			

WOODLOT 04_05-B

OBSERVATION NOTES: Most of the canopy trees are dead that are within the Birkle Lake emergent wetland area, except for a few along the existing field edge.

ACREAGE: 1.77

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
0 (234 Dead)	Silver Maple	Acer saccharinum	14	Very Poor	05-F
	American Elm	Ulmus americana			

WOODLOT 05_A

OBSERVATION NOTES: Small woodlot of canopy trees with a steep ravine and patchy groundcover/wood debris.

ACREAGE: 1.46

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
89	Black Walnut	Juglans nigra	8	Poor	05-G
	Black Cherry	Prunus serotina			
	Honey Locust	Gleditsia triacanthos			
	White Ash	Fraxinus americana			

WOODLOT 05_B

OBSERVATION NOTES: Small woodlot of canopy trees with a steep ravine and patchy groundcover/wood debris.

ACREAGE: 0.20

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
12	Black Walnut	Juglans nigra	8	Poor	05-G
	Black Cherry	Prunus serotina			
	Honey Locust	Gleditsia triacanthos			
	White Ash	Fraxinus americana			

WOODLOT 06

OBSERVATION NOTES: Woodlot is predomiantly old growth evergreen/conifers with ground cover of invasive vines and woody understory shrubs.

ACREAGE: 4.17

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
1112	Black Cherry	Prunus serotina	11	Fair	06-F
	Austrian Pine	Pinus nigra			
	Eastern Hemlock	Tsuga canadensis			
	Black Walnut	Juglans nigra			
	American Elm	Ulmus americana			
	Silver Maple	Acer saccharinum			

WOODLOT 06_13_A

OBSERVATION NOTES: Significantly steep slopes with predomiantly Oak (Quercus spp.) and Hickory (Carya spp.), with little to no understory vegetation.

ACREAGE: 7.04

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
908	Northern Red Oak	Quercus rubra	14	Good/Poor	14-T
	White Oak	Quercus alba			07-T
	Black Maple	Acer nigrum			
	Shagbark Hickory	Carya ovata			
	Bitternut Hickory	Carya cordiformis			
	Sugar Maple	Acer saccharum			
	American Elm	Ulmus americana			
	Swamp White Oak	Quercus bicolor			

WOODLOT 06_13_B

OBSERVATION NOTES: Small woodlot with significantly steep slopes with predomiantly Oak (Quercus spp.) and Hickory (Carya spp.), with little to no understory vegetation.

ACREAGE: 0.83

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
107	Northern Red Oak	Quercus rubra	14	Good/Poor	14-T
	White Oak	Quercus alba			07-T
	Black Maple	Acer nigrum			
	Shagbark Hickory	Carya ovata			
	Bitternut Hickory	Carya cordiformis			
	Sugar Maple	Acer saccharum			
	American Elm	Ulmus americana			
	Swamp White Oak	Quercus bicolor			

WOODLOT 07

OBSERVATION NOTES: Tree line along existing creek, with the tree count based on aerial imagery. The site tree lines typically include Black Walnut, however need to confirm tree data.

ACREAGE: 2.06

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
29	Black Walnut	Juglan nigra			

WOODLOT 09_16

OBSERVATION NOTES: Woodlot is primarily canopy tree coverage with little to no understory vegetation.

ACREAGE: 16.45

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
1069	Swamp White Oak	Quercus bicolor	15	Good/Fair	17-T
	Pin Oak	Quercus palustris			09-G
	White Ash	Fraxinus americana			15-F
	Sugar Maple	Acer saccharum			
	Shagbark Hickory	Carya ovata			
	Northern Red Oak	Quercus rubra			
	Black Cherry	Prunus serotina			
	White Oak	Quercus alba			
	American Beech	Fagus grandifolia			
	Silver Maple	Acer saccharinum			
	American Basswood	Tilia americana			
	Black Walnut	Juglans nigra			

WOODLOT 10_12

OBSERVATION NOTES: Woodlot is primarily canopy tree coverage with little to no understory vegetation.

ACREAGE: 13.66

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
2405	White Oak	Quercus alba	13	Fair	10-G
	American Elm	Ulmus			13-T
	Shagbark Hickory	Carya ovata			14-F
	White Ash	Fraxinus			
	Northern Red Oak	Quercus rubrum			
	Black Walnut	Juglans nigra			
	Pin Oak	Quercus palustris			

WOODLOT 12

OBSERVATION NOTES: Part of an existing agricultural tree row, with perennial/grass and Virginia Creeper (Parthenocissus quinquefolia) ground covers and vines.

ACREAGE: 0.41

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
14	American Elm	Ulmus americana	9	Poor	12-F
	Black Walnut	Juglans nigra			

WOODLOT 14

OBSERVATION NOTES: Tree line along Birkel Lake, with the tree count based on aerial imagery. The site tree lines typically include Black Walnut, however need to confirm tree data.

ACREAGE: 1.52

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
64					

WOODLOT 15_A

OBSERVATION NOTES: Most of the canopy trees are Black Walnut (Juglans nigra) with an understory of woody invasive plant species, such as Oriental Bittersweet (Celastrus orbiculatus), Honeysuckle (Lonicera spp.) and Buckthorn, (Rhamnus catharica).

ACREAGE: 0.96

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
67	Eastern Red Cedar	Juniperus virginiana	10	Poor	16-T
	Black Walnut	Juglans nigra			

WOODLOT 15_B

OBSERVATION NOTES: Most of the canopy trees are Black Walnut (Juglans nigra) with an understory of woody invasive plant species, such as Oriental Bittersweet (Celastrus orbiculatus), Honeysuckle (Lonicera spp.) and Buckthorn, (Rhamnus catharica).

ACREAGE: 3.00

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
216	Eastern Red Cedar	Juniperus virginiana	10	Poor	16-T
	Black Walnut	Juglans nigra			

WOODLOT 15_C

OBSERVATION NOTES: Most of the canopy trees are Black Walnut (Juglans nigra) with an understory of woody invasive plant species, such as Oriental Bittersweet (Celastrus orbiculatus), Honeysuckle (Lonicera spp.) and Buckthorn, (Rhamnus catharica).

ACREAGE: 1.01

EST. # TREES	Common Name	Scientific Name	AVG. DBH	CONDITION	PLOT #
0 (71 Dead)	Eastern Red Cedar	Juniperus virginiana	10	Very Poor	16-T
	Black Walnut	Juglans nigra			

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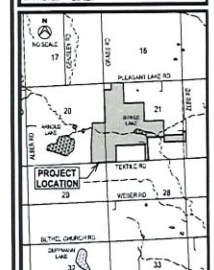
DATE	ADDITIONS AND/OR REVISIONS
08-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED M.G.S. / R.C.H.
DRAWN R.C.H.
CHECKED M.G.S.
APPROVED J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

EXISTING TREE INVENTORY TABLES

HRC JOB NO. 20260056 SCALE NTS
DATE August 2026 SHEET NO. C 10

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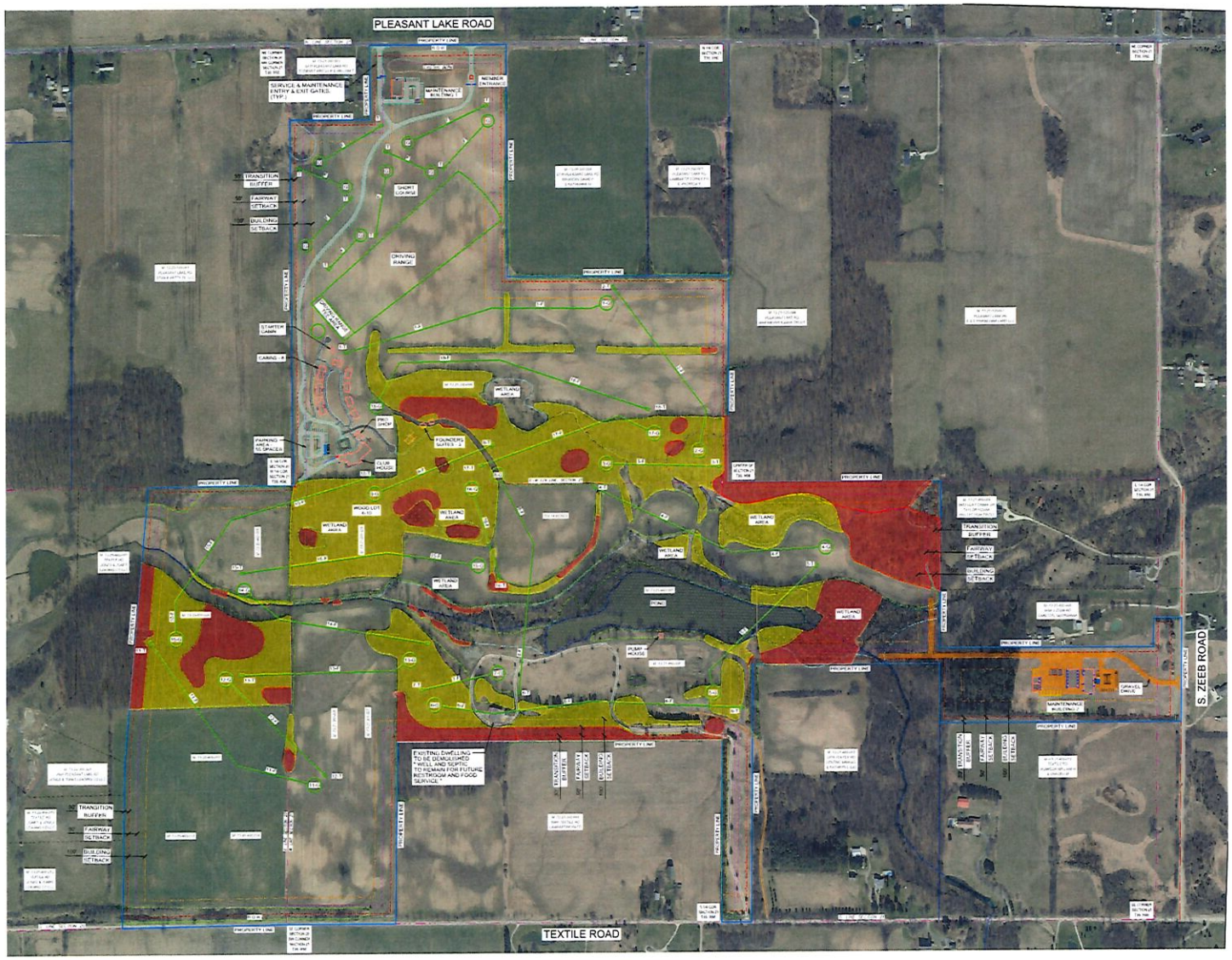

N

0 150 300 600

1" = 300'

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- TREE AREAS TO REMAIN
- TREE AREAS TO BE CLEARED

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DRAWN	R.C.H.
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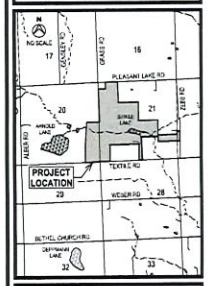
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PRELIMINARY TREE IMPACT PLAN

HRC JOB NO. 20260056	SCALE HOR. 1" = 300'
DATE July 2026	SHEET NO. C 11

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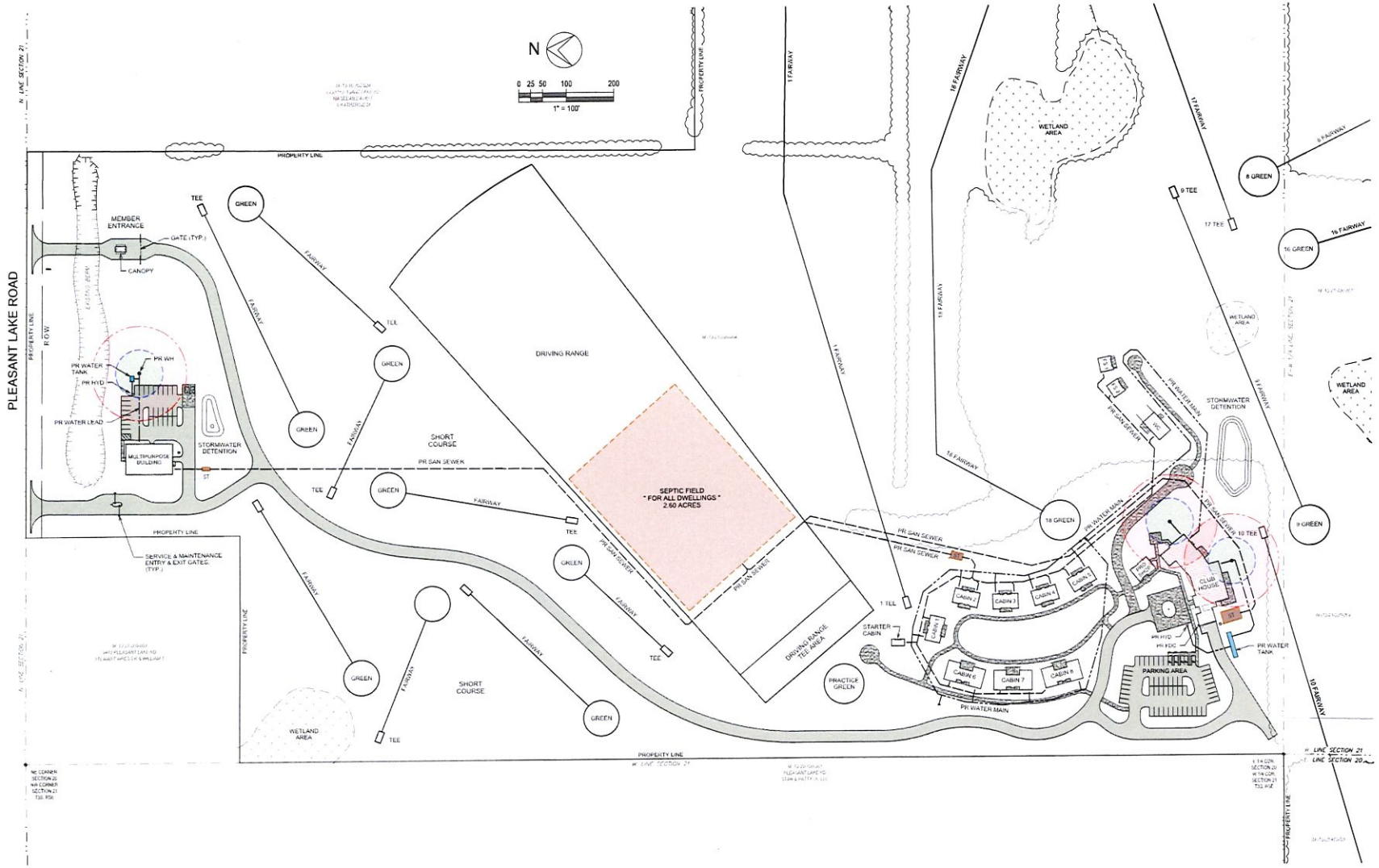

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- PROPOSED WATERMAIN AND STRUCTURES
- PROPOSED WELL HEAD LOCATION
- 50 FT RADIUS FROM CENTER OF WELL HEAD FOR SEPTIC TANK CLEARANCE
- 100 FT RADIUS FROM CENTER OF WELL HEAD FOR SEPTIC FIELD CLEARANCE
- PROPOSED SANITARY SEWER
- PROPOSED SEPTIC TANK LOCATION
- PROPOSED SEPTIC FIELD LOCATION

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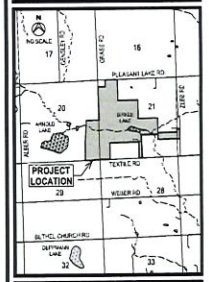
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



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FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED WELL AND SEPTIC SYSTEM LAYOUT PLAN " SITE AREA "

HRC JOB NO. 20260056	SCALE HOR. 1" = 100'
DATE August 2026	SHEET NO. C 12

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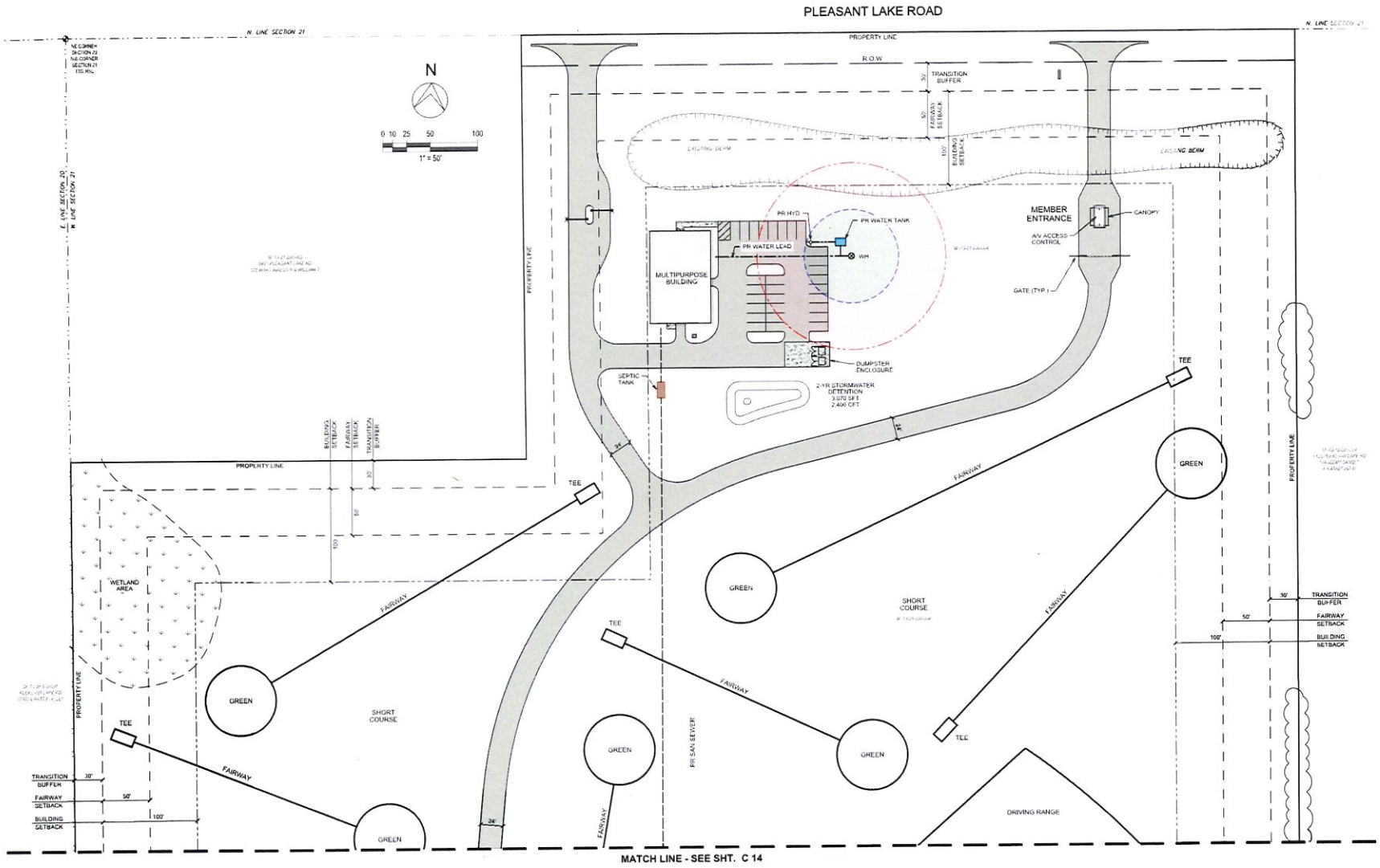

LEGEND

- PROPOSED BUILDINGS
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- PROPOSED WATERMAIN AND STRUCTURES
- WH PROPOSED WELL HEAD LOCATION
- 50 FT RADIUS FROM CENTER OF WELL HEAD FOR SEPTIC TANK CLEARANCE
- 100 FT RADIUS FROM CENTER OF WELL HEAD FOR SEPTIC FIELD CLEARANCE
- PROPOSED SANITARY SEWER
- ST PROPOSED SEPTIC TANK LOCATION
- PROPOSED SEPTIC FIELD LOCATION

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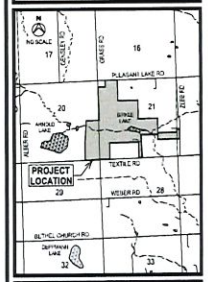
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



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FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED WELL AND SEPTIC SYSTEM LAYOUT PLAN " ENTRANCE AREA "

HRC JOB NO. 20260056	SCALE HOR. 1" = 50'
DATE August 2026	SHEET NO. C 13

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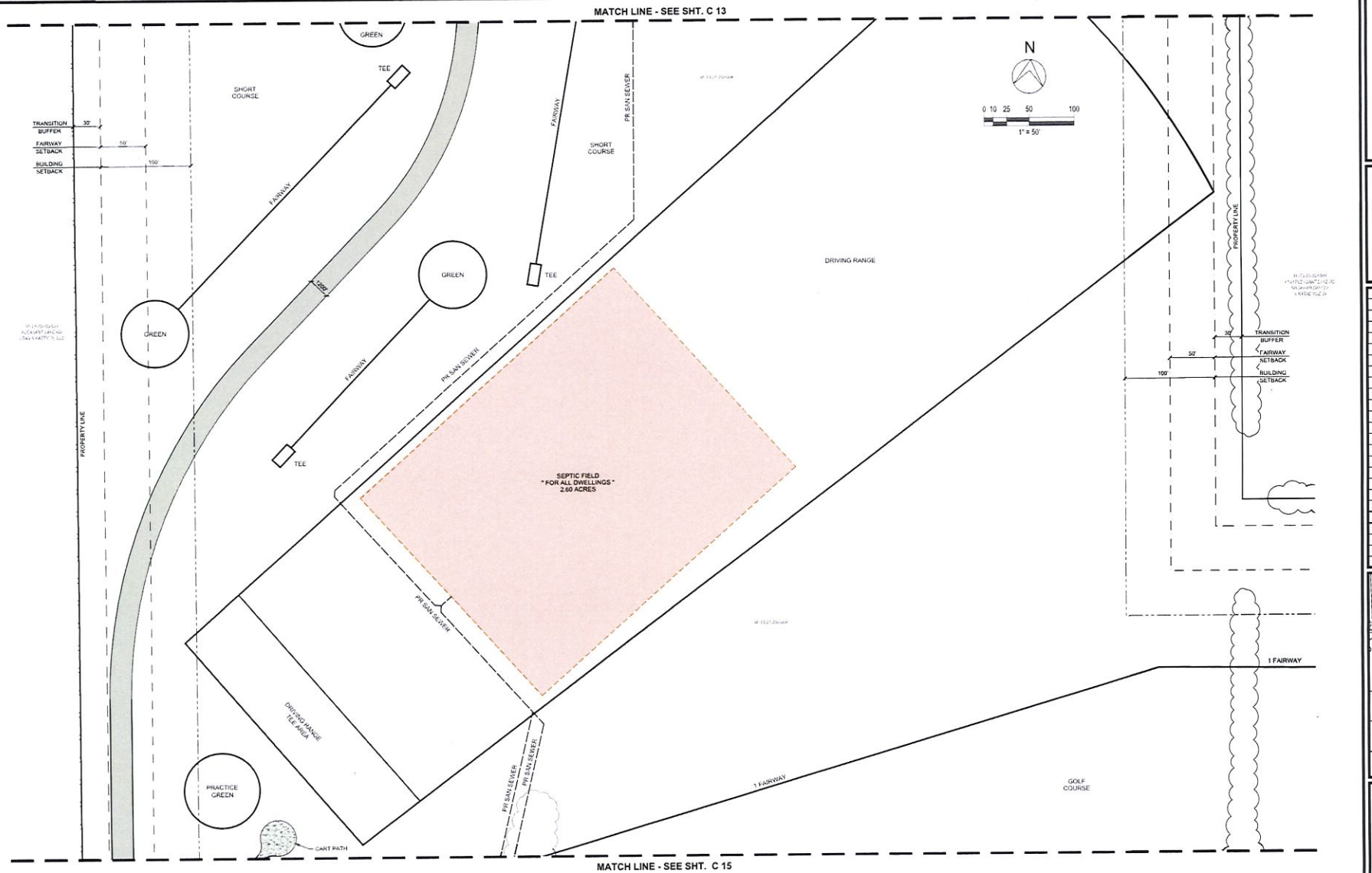
Hurich, David



LEGEND :

- PROPOSED BUILDINGS
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
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- PROPOSED SANITARY SEWER
- ST PROPOSED SEPTIC TANK LOCATION
- PROPOSED SEPTIC FIELD LOCATION

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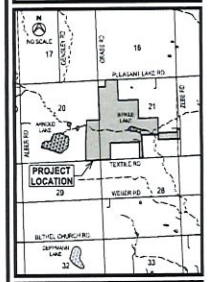
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



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FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 28 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED WELL AND SEPTIC SYSTEM LAYOUT PLAN " ENTRANCE AREA "

HRC JOB NO. 20260056	SCALE HOR. 1" = 60'
DATE August 2026	SHEET NO. C 14

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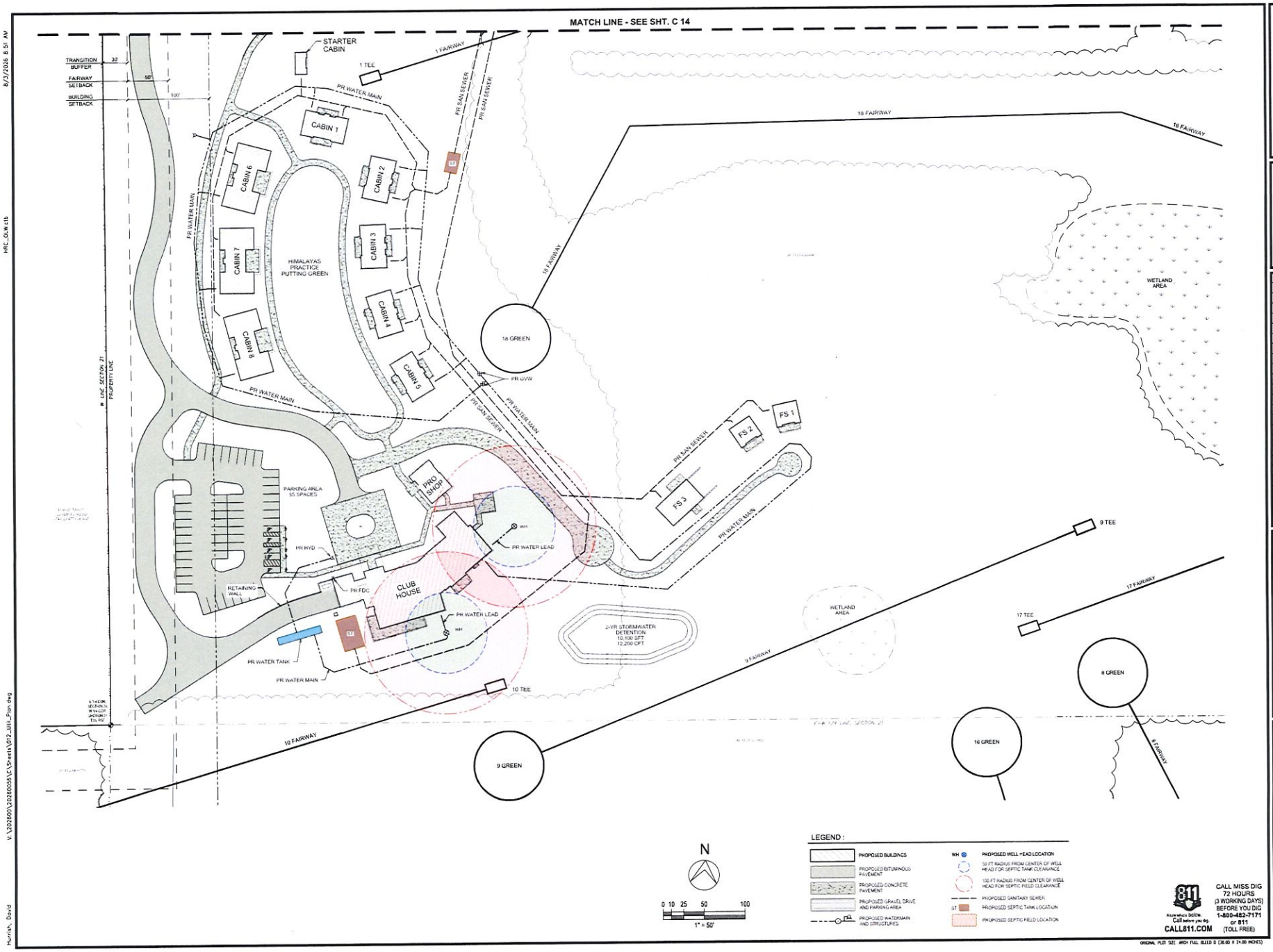

ORIGINAL PLOT SIZE ARCH FULL BLEED D (36.00 X 24.00 INCHES)

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08-03-2026	PRELIMINARY SITE PLAN REVIEW
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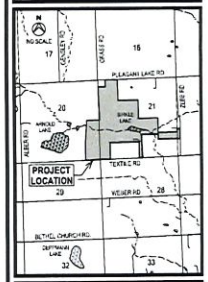
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED WELL AND SEPTIC SYSTEM LAYOUT PLAN " CLUB HOUSE AREA "

HRC JOB NO. 20250056	SCALE HOR. 1" = 60'
DATE August 2026	SHEET NO. C 15

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Hurrick, David

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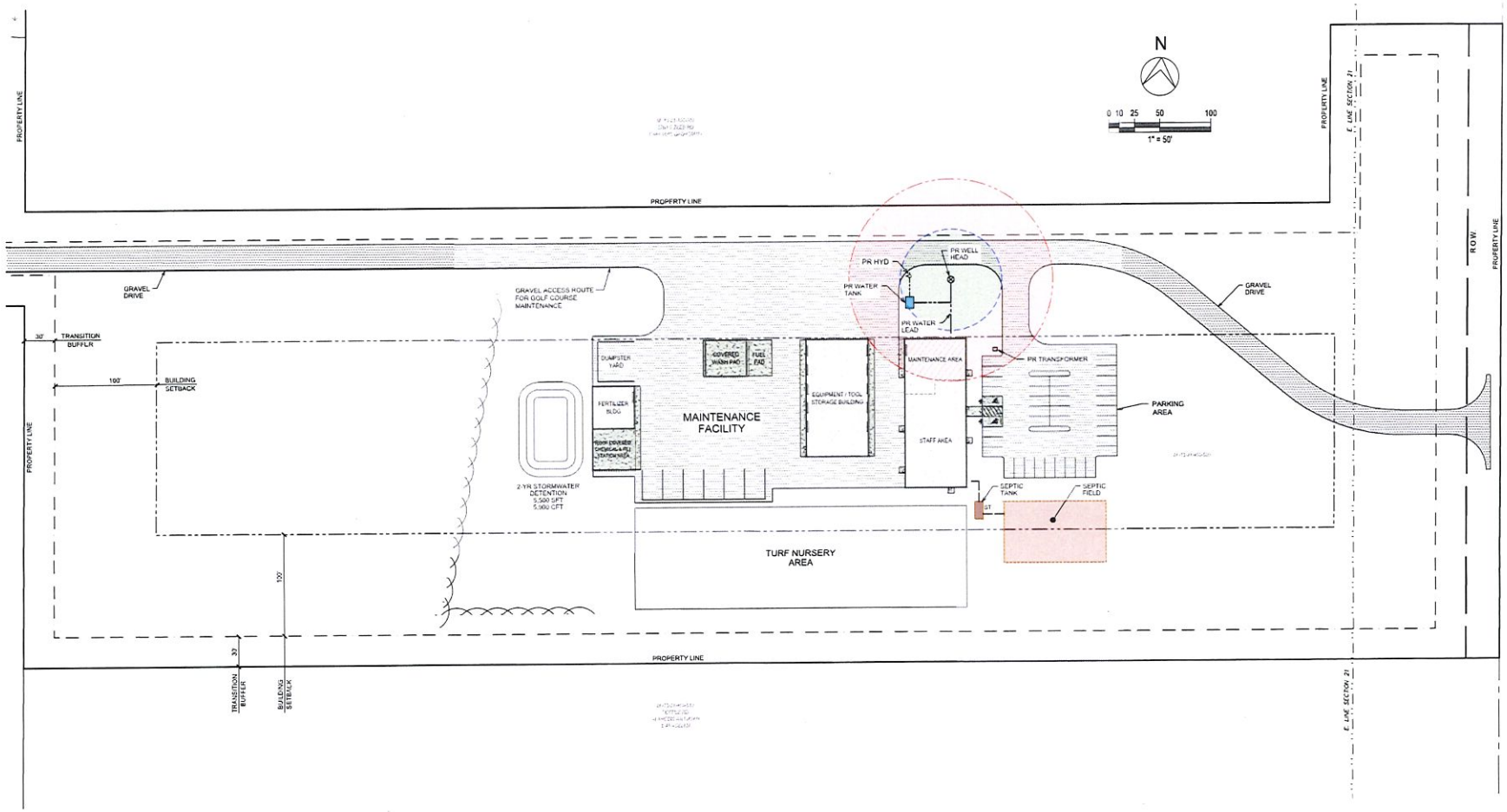

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- PROPOSED WATERMAIN AND STRUCTURES
- WH PROPOSED WELL HEAD LOCATION
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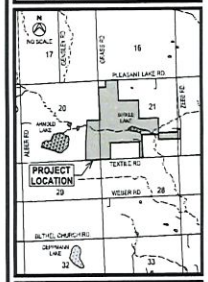
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



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FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED WELL AND SEPTIC SYSTEM LAYOUT PLAN " MAINTENANCE FACILITY "

HRC JOB NO. 20260056	SCALE HOR. 1" = 50'
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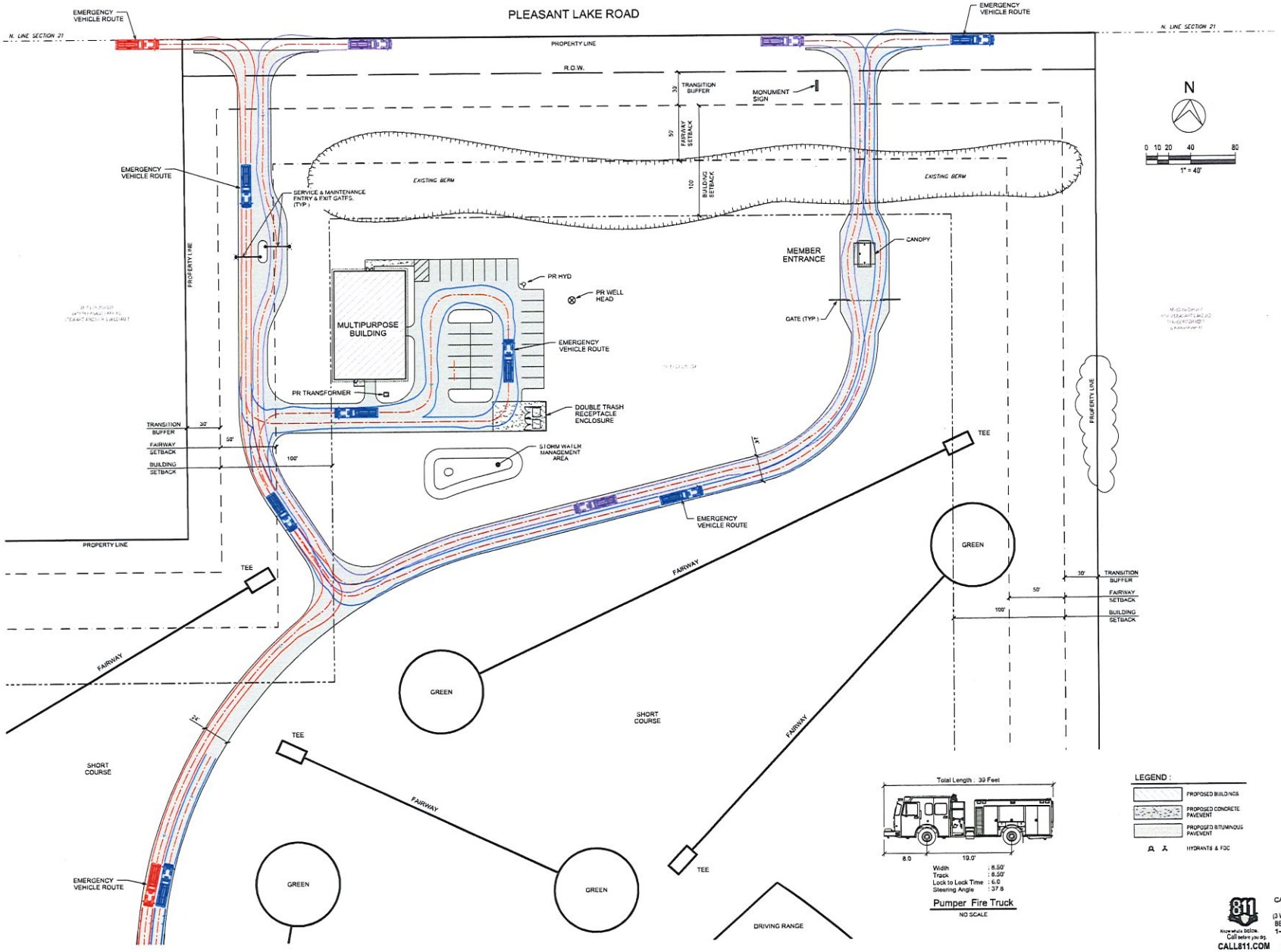

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CHECKED	M.G.S.
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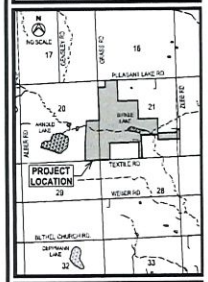

LODI TOWNSHIP

FRONTIER CLUB
PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND
IN SECTION 21, T3S, R5E
WASHTENAW COUNTY MICHIGAN

PROPOSED
EMERGENCY VEHICLE
CIRCULATION PLAN
" ENTRANCE AREA "

HRC JOB NO. 2626/0056	SCALE HOR. 1" = 40'
DATE August 2026	SHEET NO. C 17

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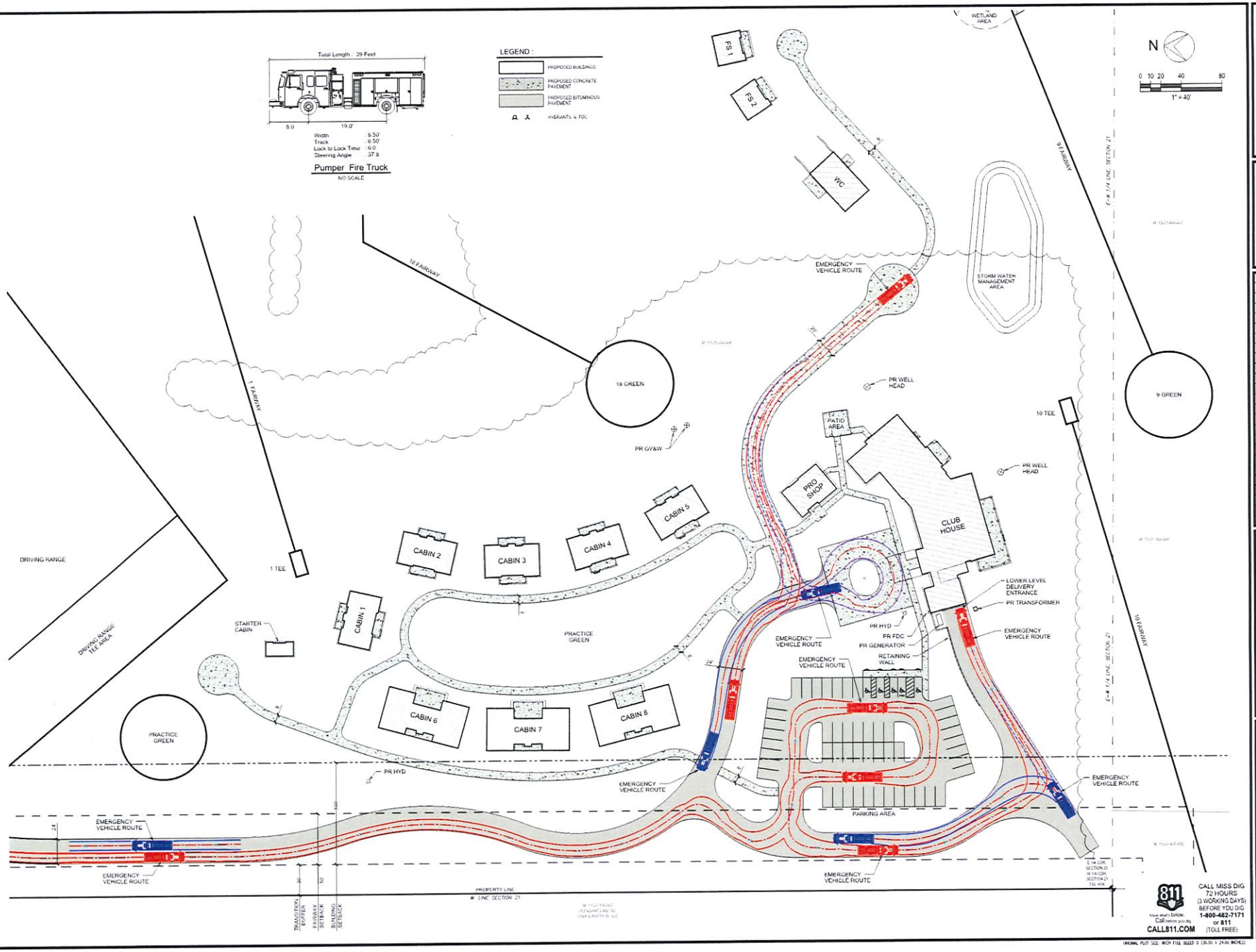

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FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6359
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DATE	ADDITIONS AND/OR REVISIONS
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DESIGNED M.G.S. / R.C.H.
DRAWN R.C.H.
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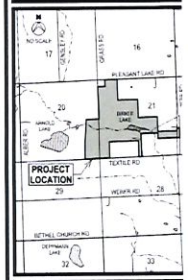
APPROVED J.F.B.



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FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIG

PROPOSED EMERGENCY VEHICLE CIRCULATION PLAN " CLUB HOUSE AREA "

HRC JOB NO. 20260056
SCALE HOR. 1" = 40'
DATE August 2026
SHEET NO. C 18

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ORIGINAL PLOT SIZE: INCH FULL SHEET 0 (36.00 X 24.00 INCHES)

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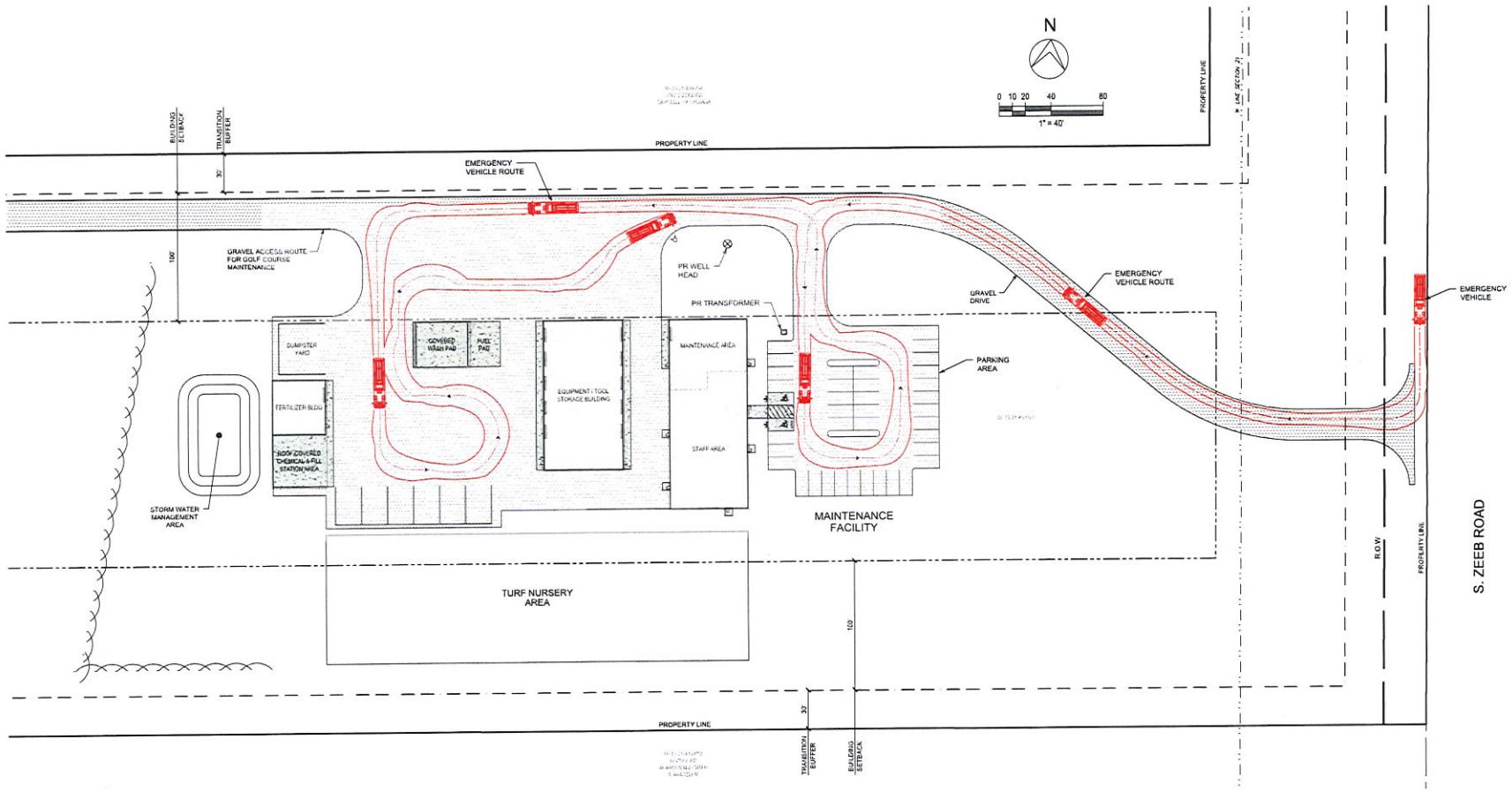
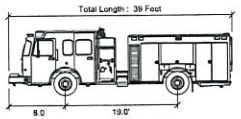
Hurak, David





Width : 8.50'
Track : 8.50'
Lock to Lock Time : 6.0
Steering Angle : 37.8

Pumper Fire Truck

NO SCALE

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- HYDRANTS & FDC

811 Know what's below. Call before you dig. CALL811.COM

CALL MISS DIG 72 HOURS (3 WORKING DAYS) BEFORE YOU DIG 1-800-482-7171 or 811 (TOLL FREE)

ORIGINAL PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES)

HRC

HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

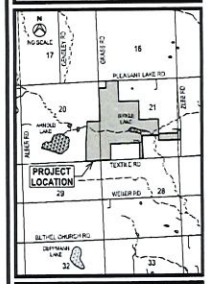
555 HULET DRIVE
BLOOMFIELD HILLS, MICH.

P.O. BOX 824
48304 - 0824

PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6356

WEB SITE: www.hrcengr.com

08-03-2026	PRELIMINARY SITE PLAN REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED EMERGENCY VEHICLE CIRCULATION PLAN " MAINTENANCE FACILITY "

HRC JOB NO. 20260056	SCALE HOR. 1" = 40'
DATE August 2026	SHEET NO. C 19

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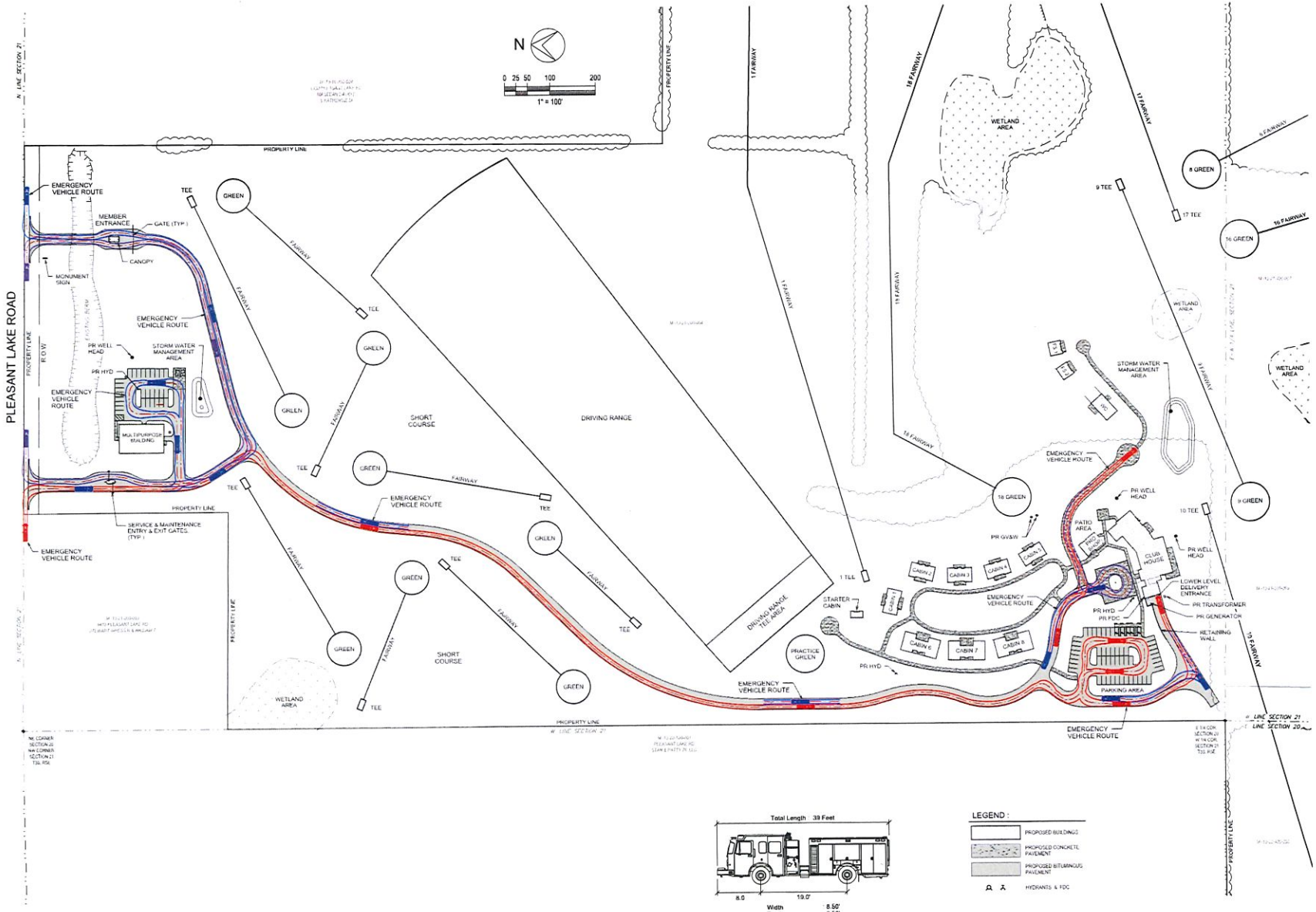
Hurrish, David



Width	: 8.50'
Track	: 8.50'
Lock to Lock Time	: 6.0
Steering Angle	: 37.8

Pumper Fire Truck

NO SCALE

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- HYDRANTS & FDC

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ORIGINAL PLOT SIZE: ARCH FULL SHEET 3 (36.00 X 24.00 INCHES)

HRC

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BLOOMFIELD HILLS, MICH.

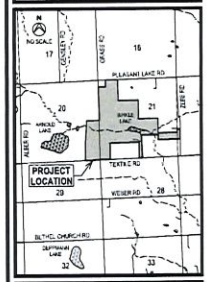
P.O. BOX 824
48303 - 0824

PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6354

WEB SITE: www.hrcengr.com

DATE	ADDITIONS AND/OR REVISIONS
08-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED EMERGENCY VEHICLE CIRCULATION PLAN " OVERALL SITE "

HRC JOB NO. 20260056	SCALE HOR. 1" = 100'
DATE August 2026	SHEET NO. C 20

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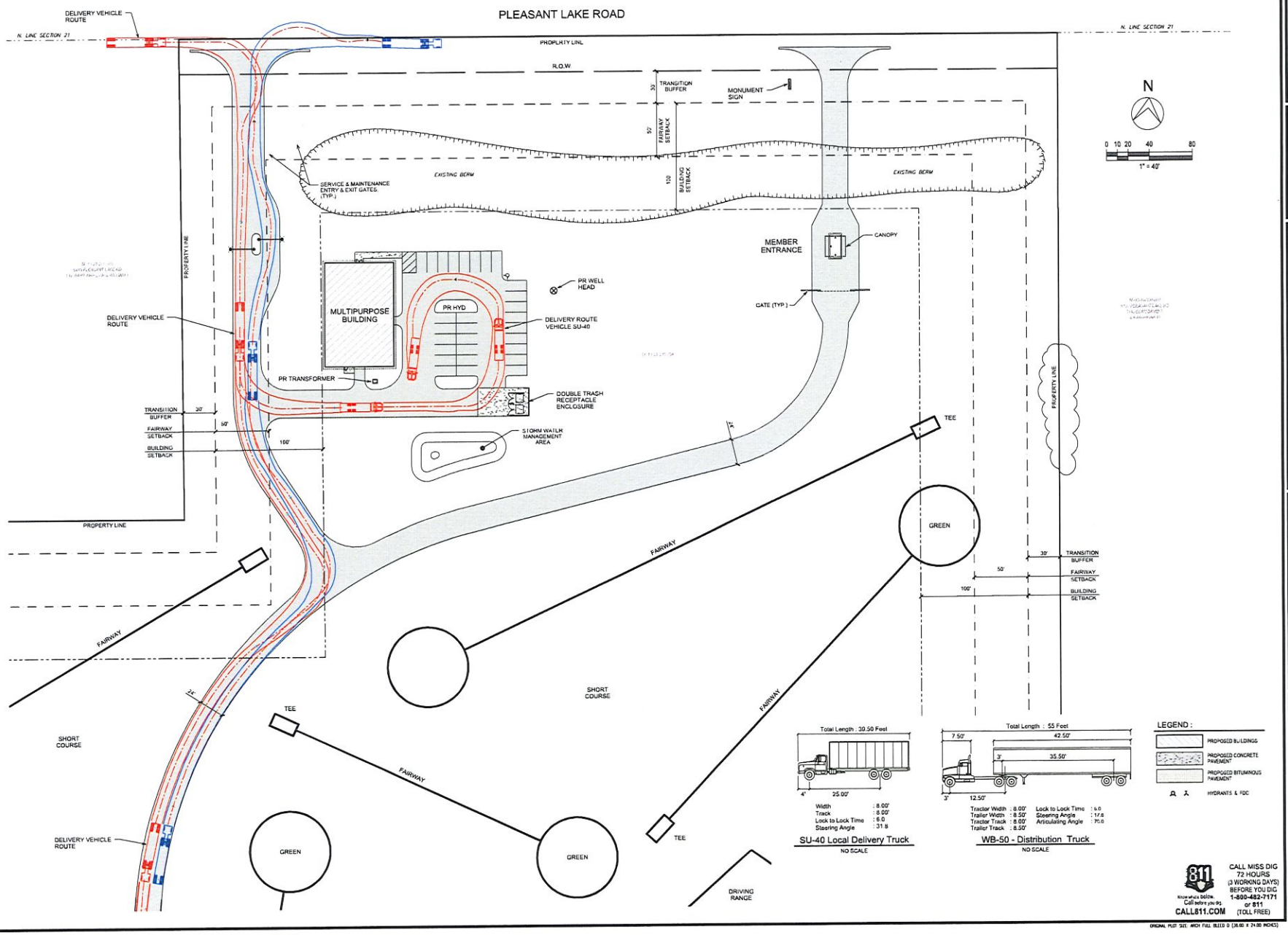
Hurrish, David



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48303 - 0824
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FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6359
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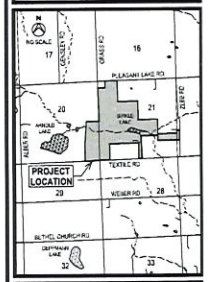
08-03-2026	PRELIMINARY SITE PLAN REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB
PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND
IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED
DELIVERY TRUCK
CIRCULATION PLAN
" ENTRANCE AREA "

HRC JOB NO. 20260056	SCALE HOR. 1" = 40'
DATE August 2026	SHEET NO. C 21

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ORIGINAL PLOT SIZE: ARCH FULL (BLED 0 (36.00 X 24.00 INCHES)

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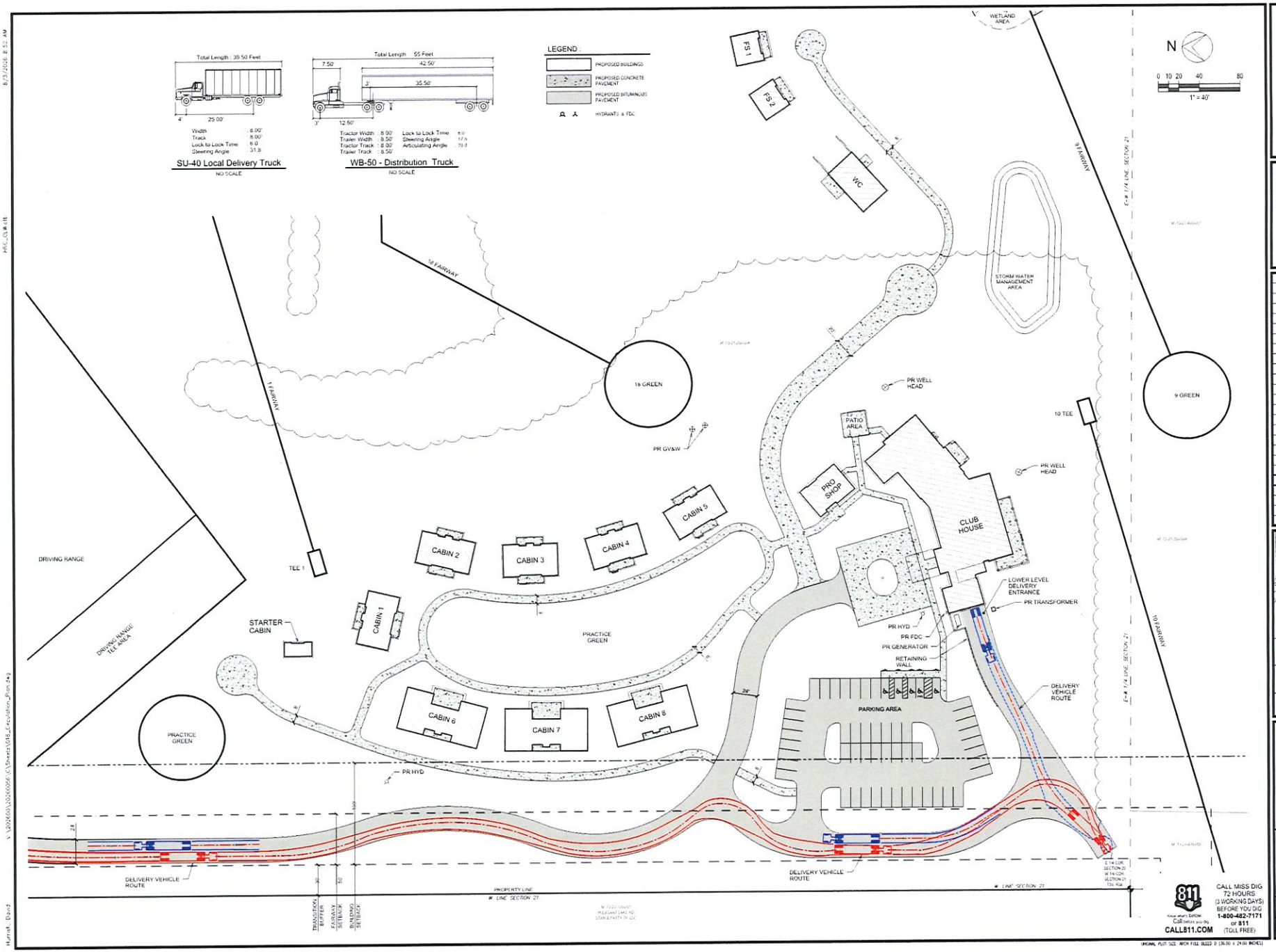
Hurrish, David



HRC
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CONSULTING ENGINEERS SINCE 19
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BLOOMFIELD HILLS, MICH.
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48303 - 08
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FAX (1st. Floor): (248) 454-6212
FAX (2nd. Floor): (248) 454-6359
WEB SITE: www.hrcengr.com

06-03-2026	PRELIMINARY SITE PLAN REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.

PROJECT LOCATION

LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIG

PROPOSED DELIVERY TRUCK CIRCULATION PLAN " CLUB HOUSE AREA "

HRC JOB NO. 20260056	SCALE HOR. 1" = 40'
DATE August 2026	SHEET NO. C 22

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(ORIGINAL PLOT SIZE - INCH FILL SHEET D (36.00 x 24.00 INCHES)

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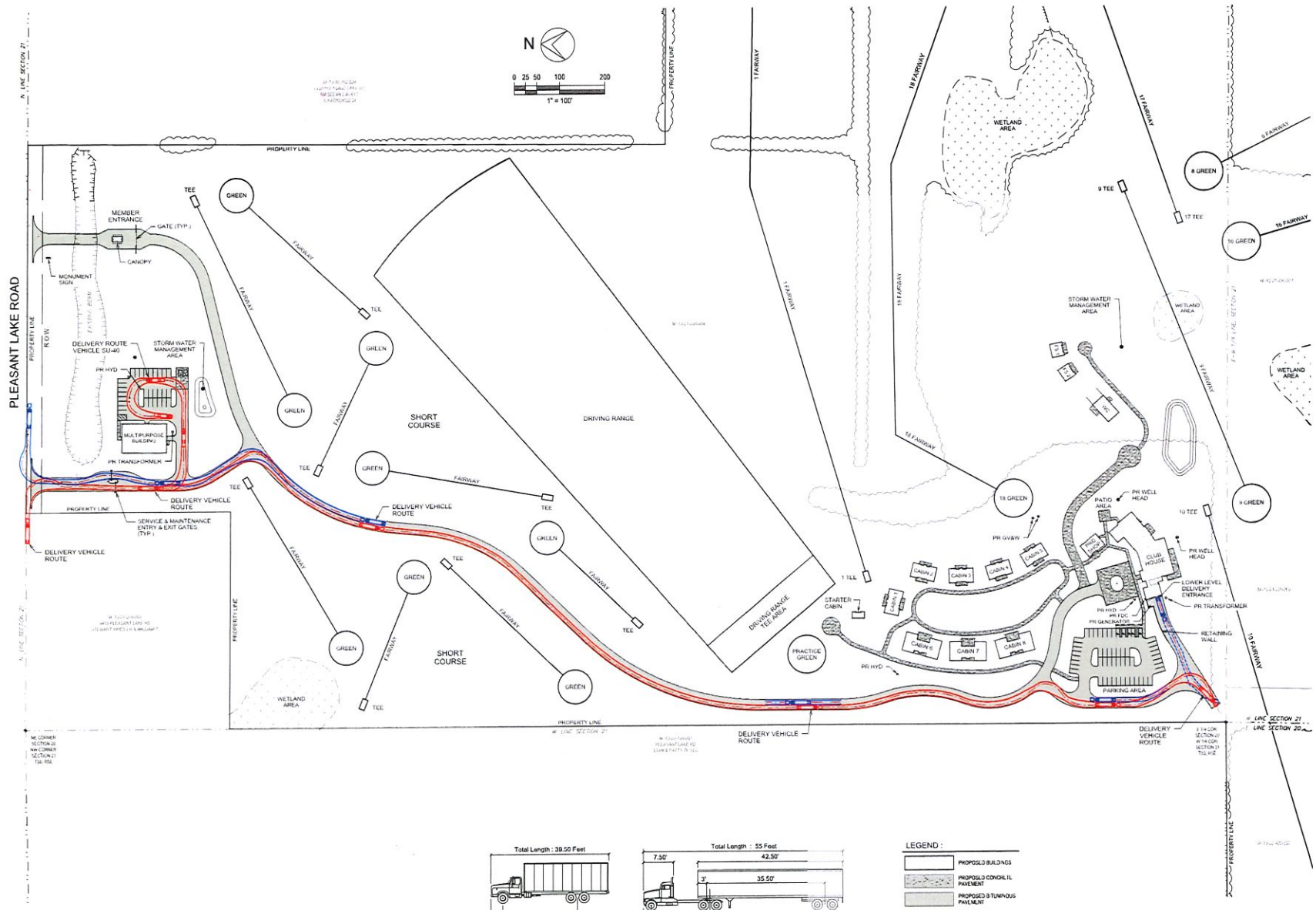
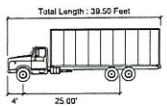
Harrell, David

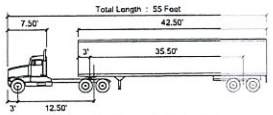




Width	: 8.00'		
Track	: 8.00'		
Lock to Lock Time	: 6.0		
Steering Angle	: 31.8		

SU-40 Local Delivery Truck

NO SCALE



Tractor Width	: 8.00'	Lock to Lock Time	: 6.0
Trailer Width	: 8.50'	Steering Angle	: 17.8
Tractor Track	: 8.00'	Articulating Angle	: 70.0
Trailer Track	: 8.50'		

WB-50 - Distribution Truck

NO SCALE

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- HYDRANTS & FDC

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ORIGINAL PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES)

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CONSULTING ENGINEERS SINCE 1915

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BLOOMFIELD HILLS, MICH.

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48303-0824

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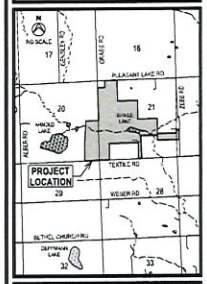
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6350

WEB SITE: www.hrcengr.com

DATE	ADDITIONS AND/OR REVISIONS
08-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.



LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND
IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED
DELIVERY TRUCK
CIRCULATION PLAN
" OVERALL SITE "

HRC JOB NO. 2026/0056	SCALE HOR. 1" = 100'
DATE August 2026	SHEET NO. C 23

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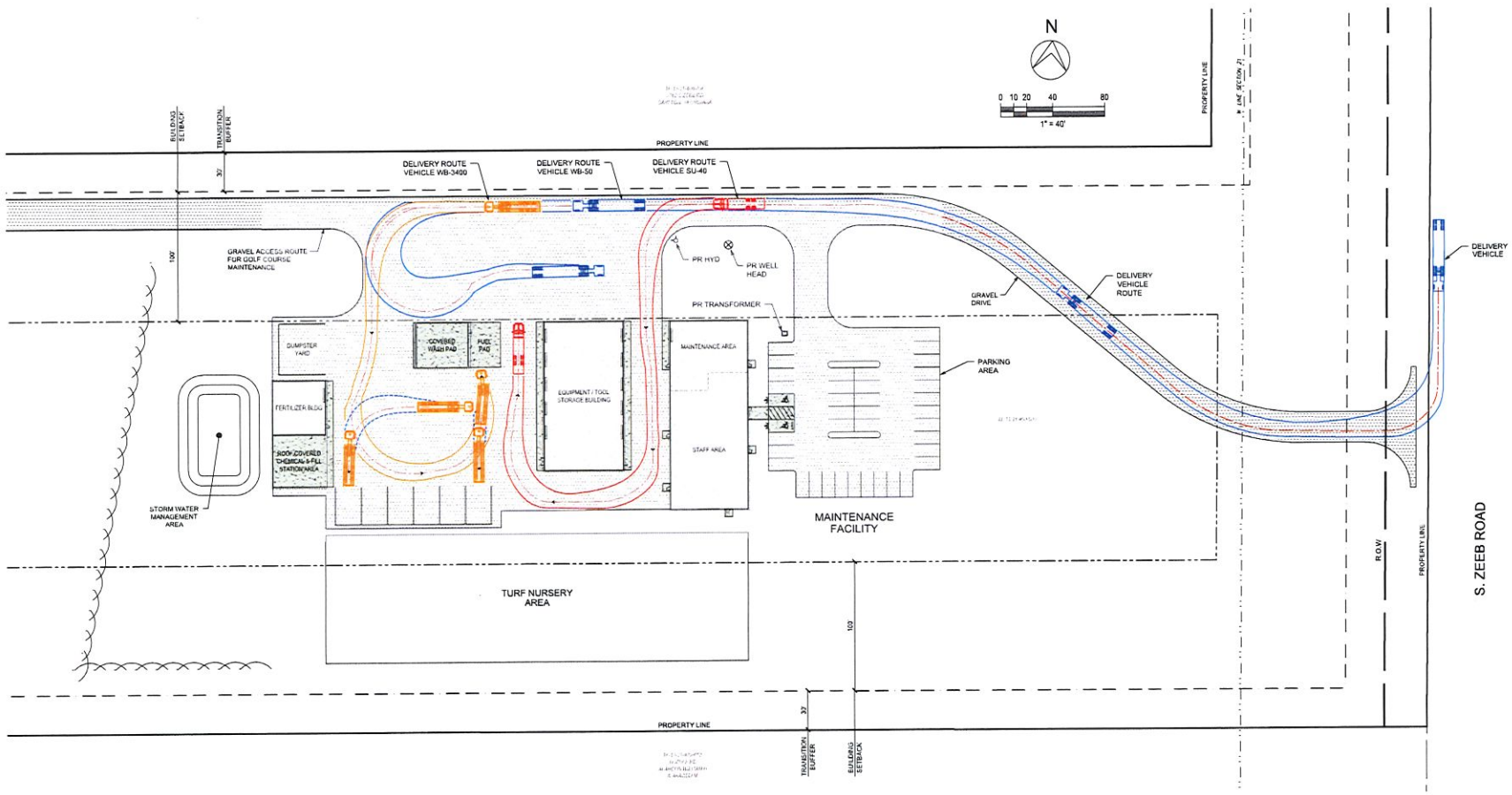
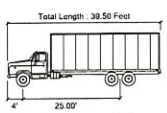
Hurlich, David

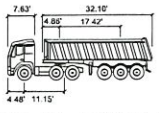




Width : 8.00'
Track : 8.00'
Lock to Lock Time : 6.0
Steering Angle : 31.8

SU-40 Local Delivery Truck

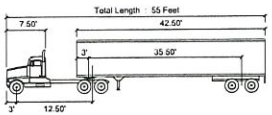
NO SCALE



Tractor Width : 8.19'
Trailer Width : 8.20'
Tractor Track : 8.19'
Trailer Track : 8.20'
Lock to Lock Time : 6.0
Steering Angle : 14.1°
Articulating Angle : 70.0°

WB-3400 Delivery Dump Truck

NO SCALE



Tractor Width : 8.00'
Trailer Width : 8.50'
Tractor Track : 8.00'
Trailer Track : 8.50'
Lock to Lock Time : 6.0
Steering Angle : 17.8
Articulating Angle : 70.0

WB-50 - Distribution Truck

NO SCALE

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- HYDRANTS & FDC

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ORIGINAL PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES)

HRC

HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

555 HULET DRIVE, BLOOMFIELD HILLS, MICH. 48303 - 0824
P.O. BOX 824

PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
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WEB SITE: www.hrcengr.com

08-03-2026	PRELIMINARY SITE PLAN REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	M.G.S. / R.C.H.
DRAWN	R.C.H.
CHECKED	M.G.S.
APPROVED	J.F.B.

LODI TOWNSHIP

FRONTIER CLUB PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R5E

WASHTENAW COUNTY MICHIGAN

PROPOSED DELIVERY TRUCK CIRCULATION PLAN " MAINTENANCE FACILITY "

HRC JOB NO. 20260056	SCALE HOR. 1" = 40'
DATE August 2026	SHEET NO. C 24

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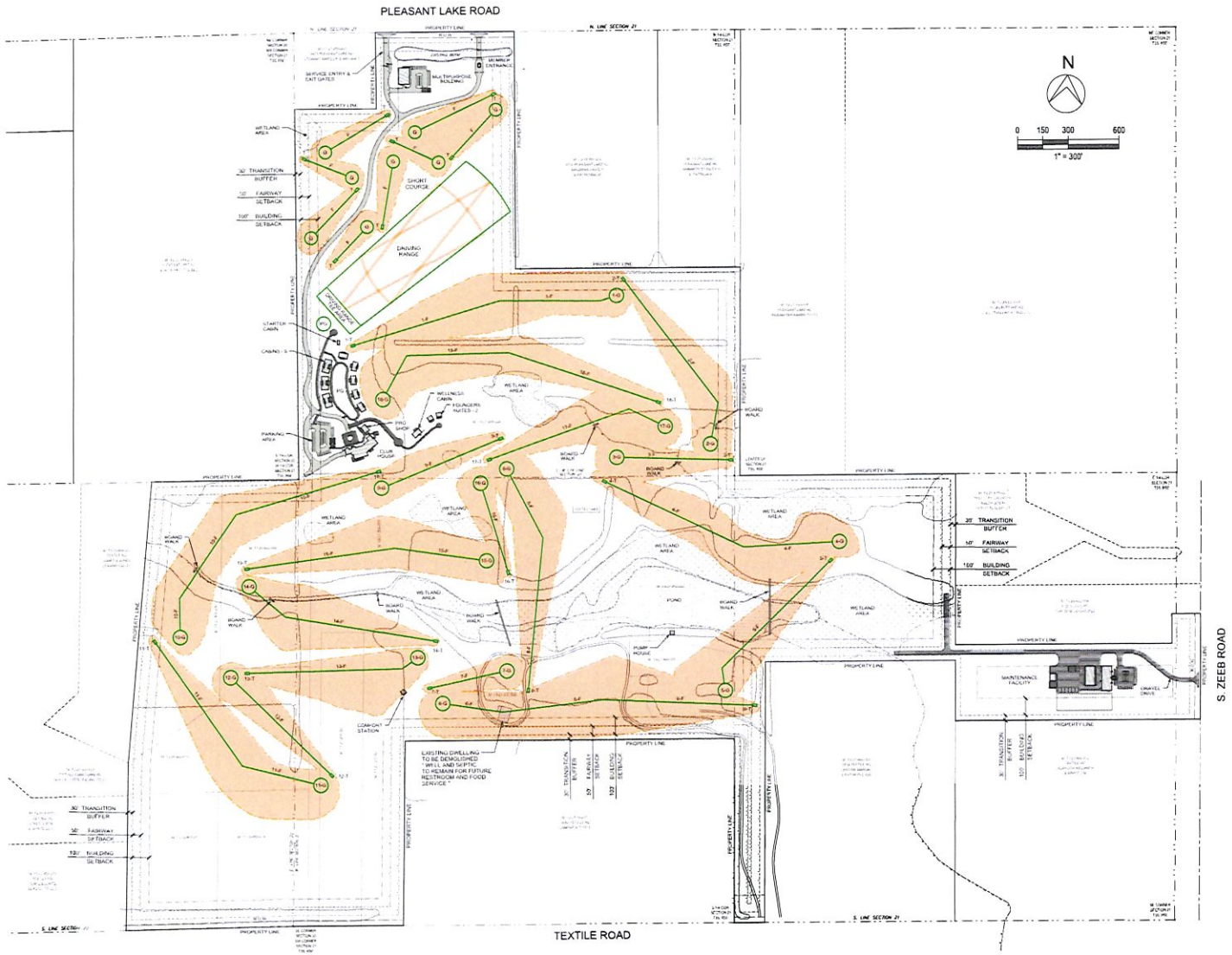
Hurrish, David



SITE DATA :

PROPERTY IDENTIFICATION :
13 TOTAL PARCELS IN THE 1/2 OF SECTION 20 AND IN SECTION 21, T3S, R6E LODE TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

M-13-20-400-005, M-13-20-400-006, M-13-20-400-013
M-13-20-400-014, M-13-20-400-015, M-13-21-200-004
M-13-21-300-005, M-13-21-300-006, M-13-21-300-007
M-13-21-300-008, M-13-21-300-009, M-13-21-400-005
M-13-21-400-007

EXISTING ZONING : Agriculture
ADJACENT ZONING : Agriculture

PROPOSED USE : Golf Course / Driving Range
NET AREA OF SITE : 333.74 ± Acres

PROPOSED BUILDINGS
Club House w/ Lodging, Pro - Shop, Starter Building
Cabins For Lodging - 11
Comfort Station - By 6th Green and 7th Tee
Multipurpose / Storage / Laundry
Maintenance Facility Area - 4 Separate Buildings
Pump House - By the Pond

LEGEND :

- PROPOSED BUILDINGS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED GRAVEL DRIVE AND PARKING AREA
- GOLF BALL TRAJECTORIES AND DISPERSION PATTERNS

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ORIGINAL PLOT SIZE, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

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CONSULTING ENGINEERS SINCE 1915

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BLOOMFIELD HILLS, MICH.

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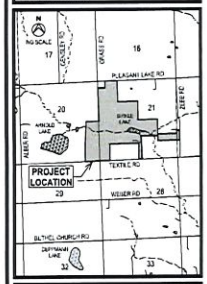
DATE	ADDITIONS AND/OR REVISIONS
08-03-2026	PRELIMINARY SITE PLAN REVIEW

DESIGNED M.G.S. / R.C.H.
DRAWN R.C.H.
CHECKED M.G.S.
APPROVED J.F.B.



LODI TOWNSHIP

FRONTIER CLUB
PRELIMINARY PLANS

E 1/2 OF SECTION 20 AND
IN SECTION 21, T3S, R6E

WASHTENAW COUNTY MICHIGAN

PROPOSED
GOLF BALL TRAJECTORIES
AND
DISPERSION PATTERNS
PLAN

HRC JOB NO.	SCALE
20260056	HOR. 1" = 300'
DATE: August 2026	SHEET NO. C 25

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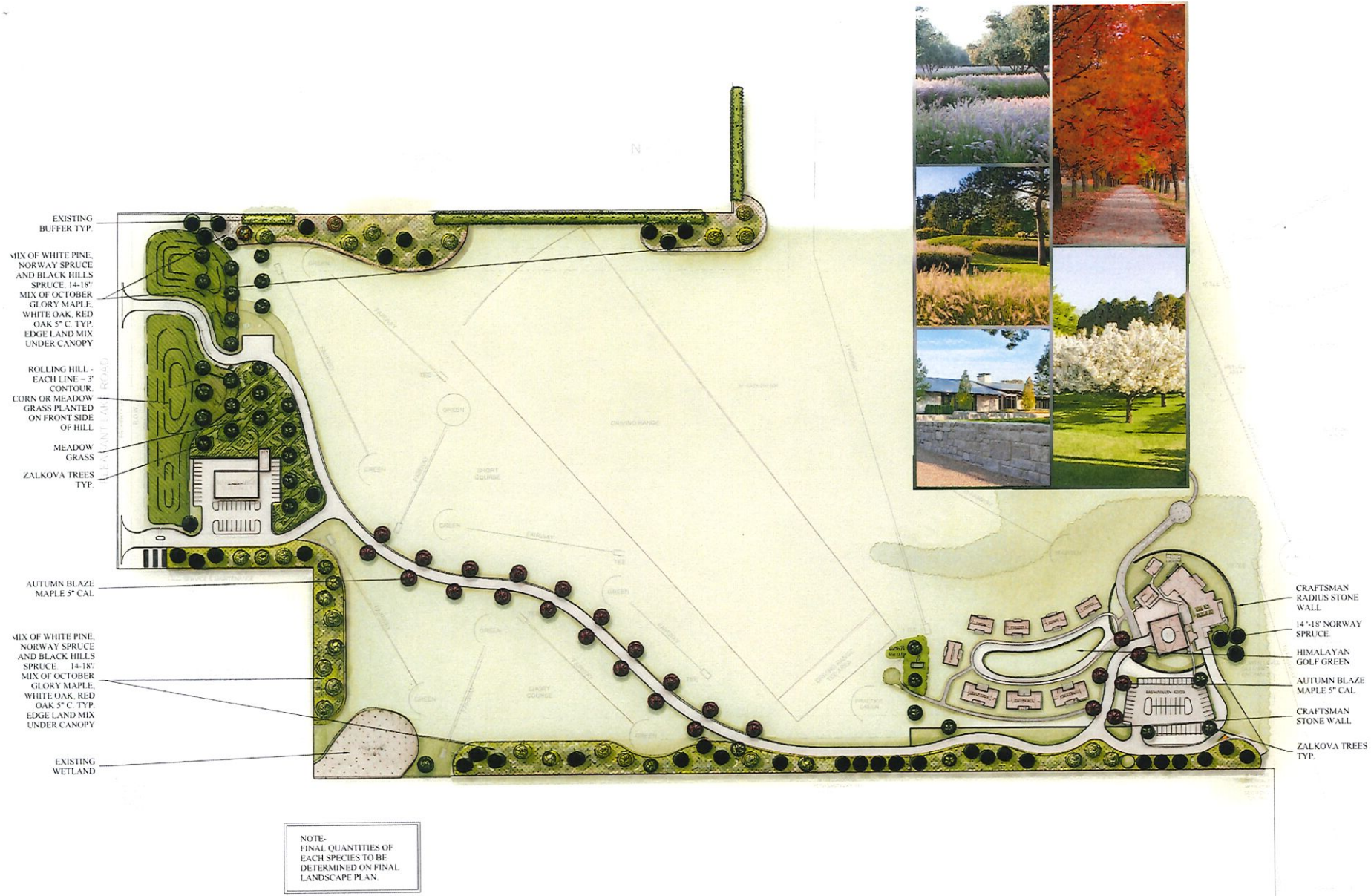
Hurish, David



NOTE-
FINAL QUANTITIES OF EACH SPECIES TO BE DETERMINED ON FINAL LANDSCAPE PLAN.

MONIER DESIGN CO.
LANDSCAPE ARCHITECTURE

BIRMINGHAM, MI
P: (248) 284-6001

PROJECT:
FRONTIER CLUB
LODI TOWNSHIP, MI

DATE & REVISIONS:
AUGUST 3, 2026

SCALE & NORTH ARROW:

NORTH

SCALE: 1" = 100'-0"

811
Know what's below.
Call before you dig.

SHEET TITLE:
PRELIMINARY LANDSCAPE SITE PLAN

SHEET NO:
L-1

DESIGNED BY:
M.M.

NOTE:
Monier Design Co. has solely provided drawings for this project and has no involvement with its implementation or required permitting of the project.

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Ownership of Drawings and Plans. All drawings, plans, schematics, diagrams, specifications and blueprints (collectively "Plans") whether or written or electronic form on the site and customer property of Monier Design Co. ("Monier") shall be deemed the exclusive property of Monier as of Plans. Plans may not be reproduced or used for any purpose other than MDC authorized the express prior written consent of an authorized representative of MDC.

Use of Monier plans and key other MDC plans for this project are subject to the terms and conditions of Monier Design Co. website which can be found at
http://www.google.com/sites/monierdesignco/home?pli=1#:~:text=%2F%2F%2F

FRONTIER CLUB

JULY 06, 2026

FRONTIER CLUB

BECK

1. Member Entry
2. Service Entry
3. Range
4. Multipurpose Bldg
5. H.O.R.S.E. Course
6. Cabins
7. Clubhouse
8. Wellness Cabin
9. Parking
10. Founder's Cabins

FRONTIER CLUB

OVERALL SITE PLAN

0' 400'

BEC

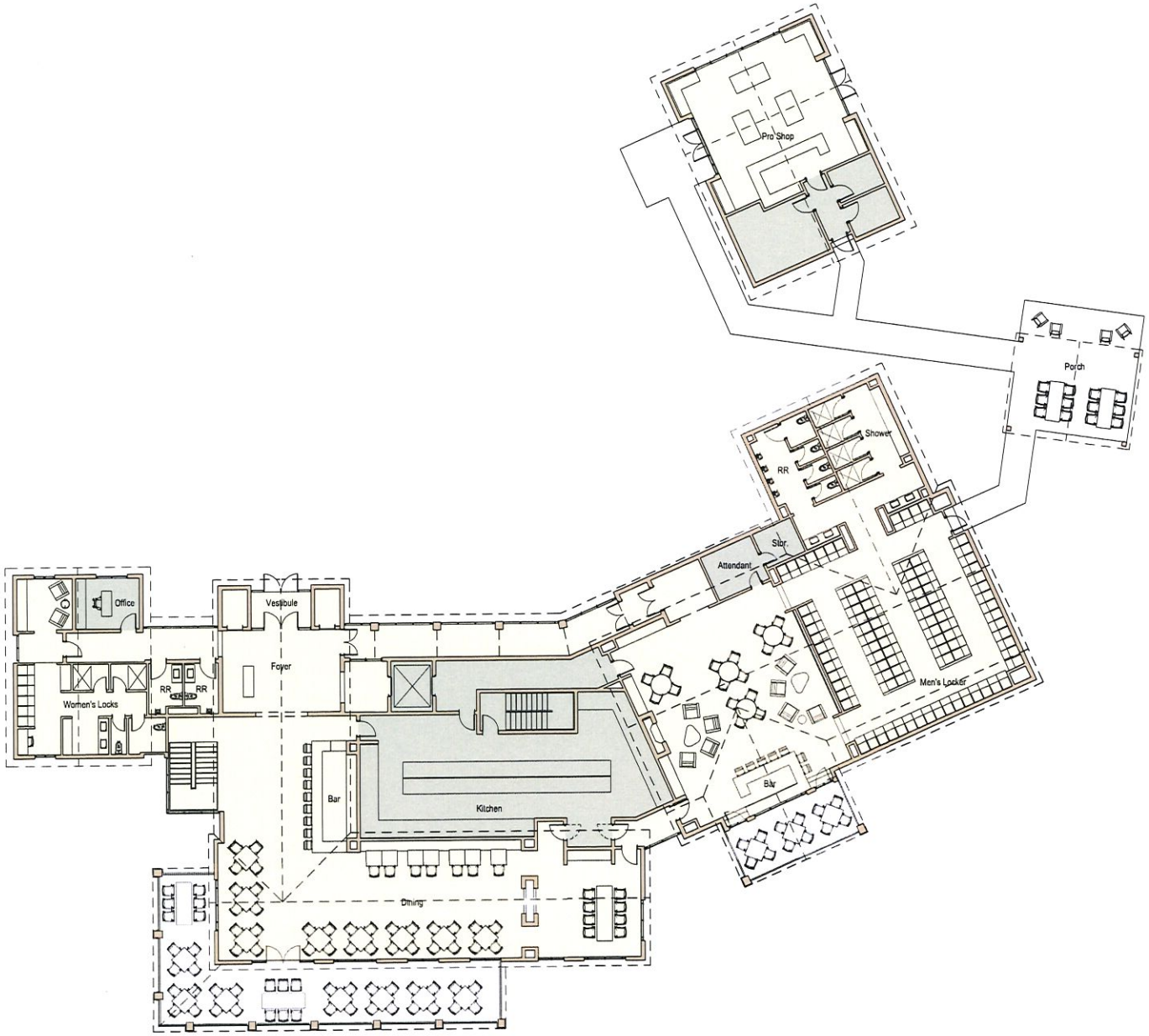
1. Range / Putting Green
2. Himalayas
3. Cabins
4. Starter Cabin
5. 1st Tee
6. Entry Court
7. Parking
8. Pro Shop
9. Wellness Cabin
10. Clubhouse
11. Service

FRONTIER CLUB

SITE PLAN

0' 200'

BEC

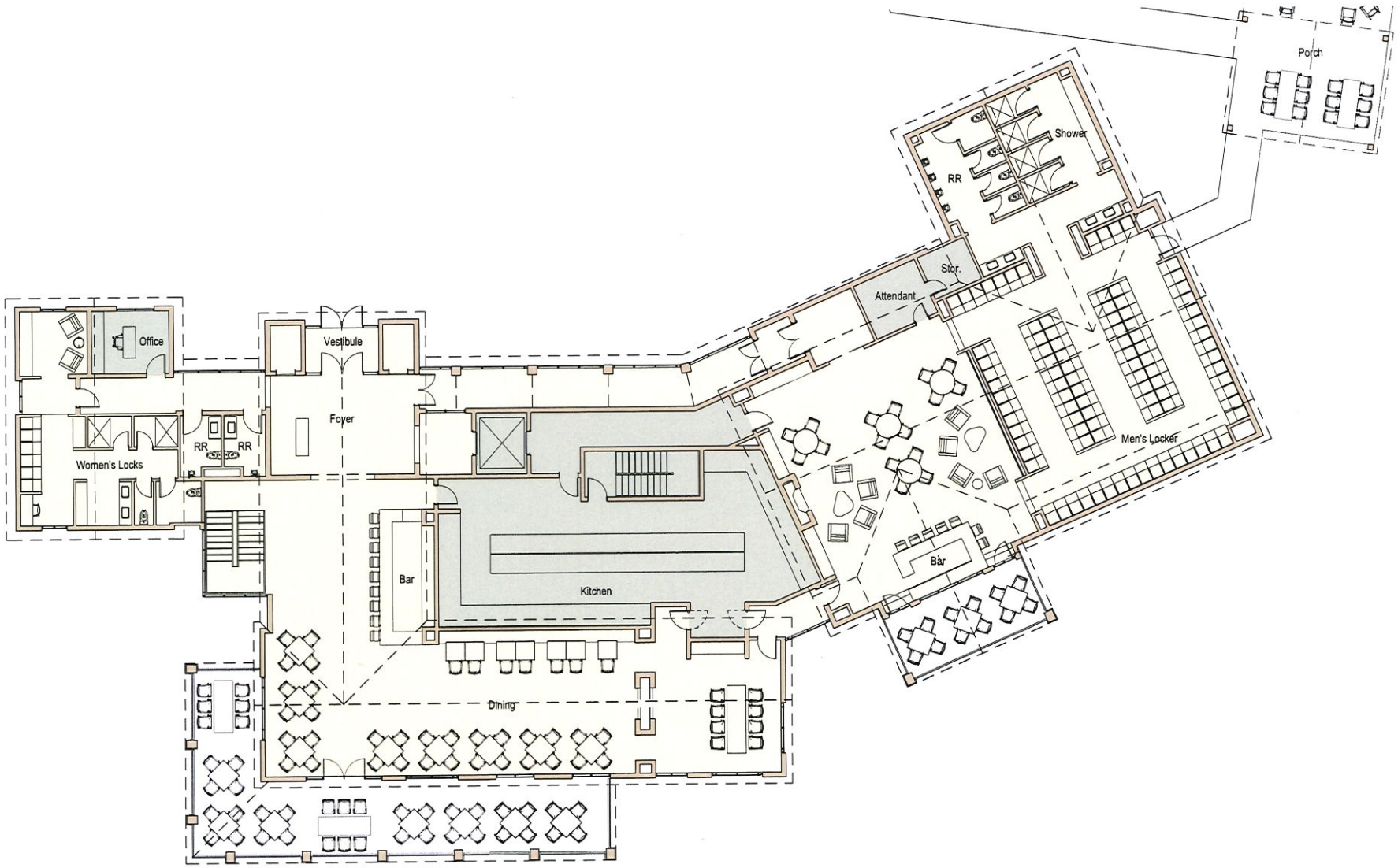


FRONTIER CLUB

OVERALL CLUBHOUSE GROUND LEVEL PLAN

0' 40'

BECK



FRONTIER CLUB

CLUBHOUSE GROUND LEVEL PLAN

0' 20'

BECK

FRONTIER CLUB

CLUBHOUSE LOWER LEVEL PLAN

0' 20'

BECK

FRONTIER CLUB

SOUTH ELEVATION

BECK

FRONTIER CLUB

ARRIVAL

BECK

FRONTIER CLUB

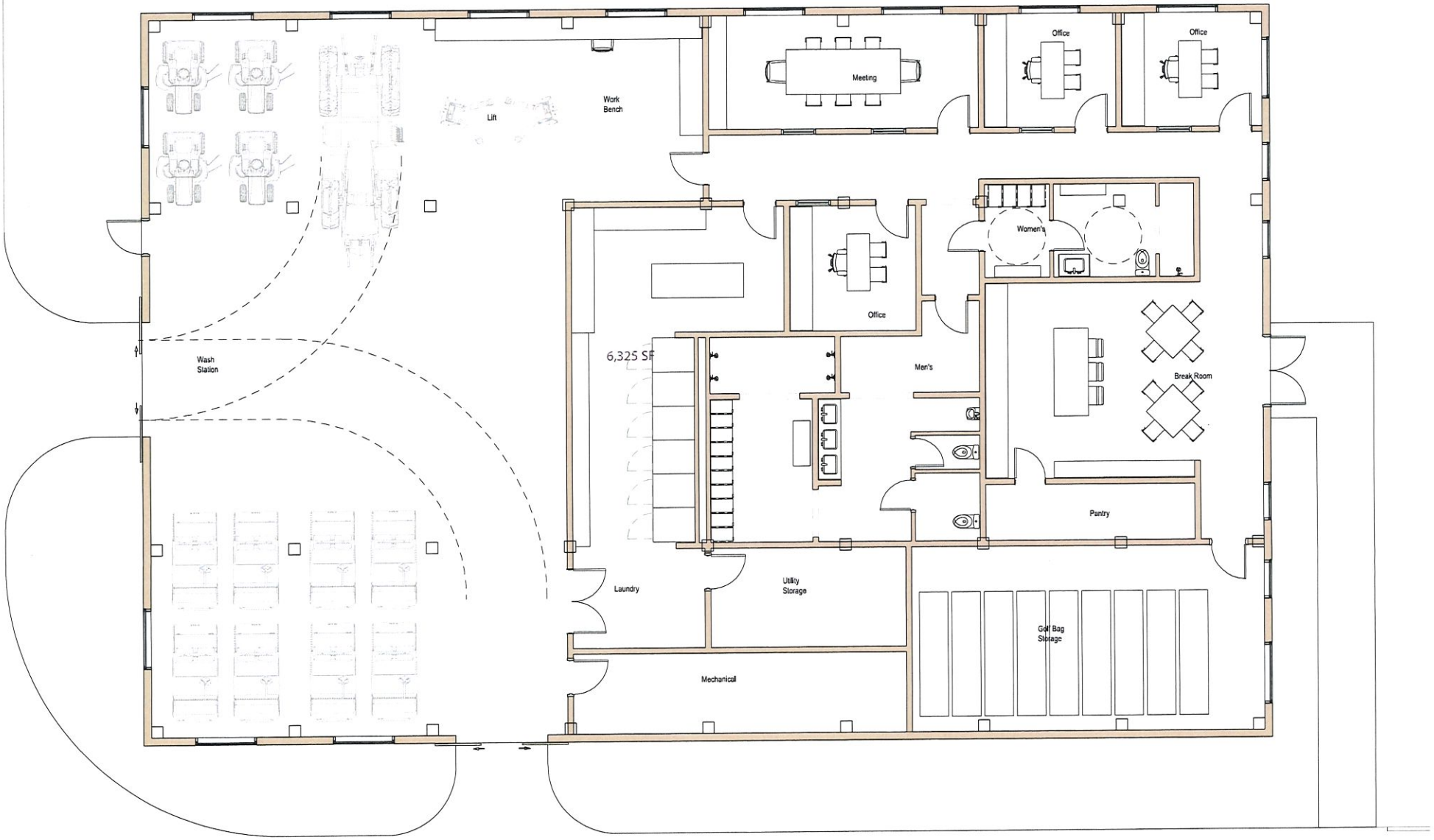
18TH HOLE

BECK

FRONTIER CLUB

HIMALAYAS

BECK



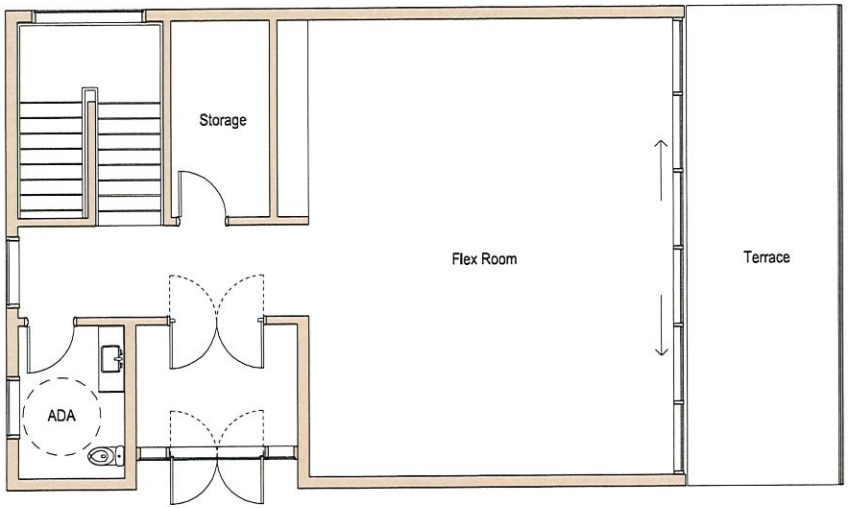
FRONTIER CLUB

07/29/26

MULTIPURPOSE BUILDING - SCALE 1/8" = 1'-0"

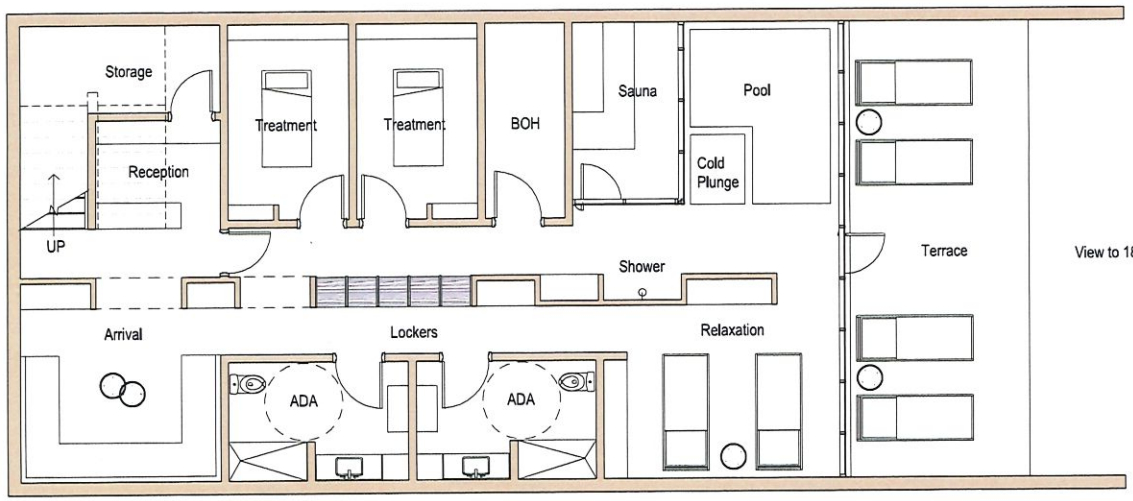
0' 20'

BECK



GROUND LEVEL

1,360 SF



LOWER LEVEL

1,700 SF

FRONTIER CLUB

07/29/26

WELLNESS CABIN - SCALE 1/8" = 1'-0"

0' 20'

BECK

FRONTIER CLUB

07/29/26

WELLNESS CABIN

BECK

FRONTIER CLUB

07/29/26

WELLNESS CABIN

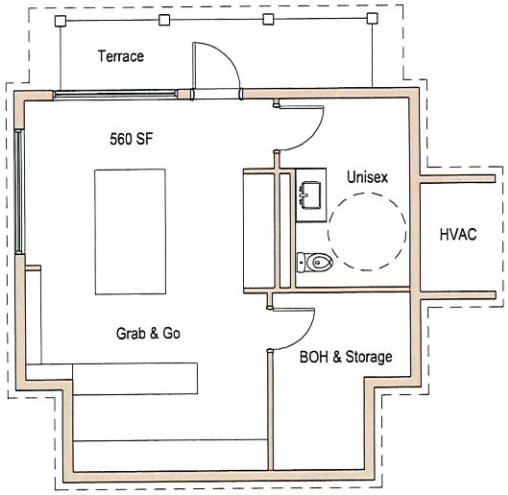
BECK

FRONTIER CLUB

07/29/26

WELLNESS CABIN

BECK



FRONTIER CLUB

07/29/26

COMFORT STATION - SCALE 1/8" = 1'-0"

0' 20'

BECK

Issue Date

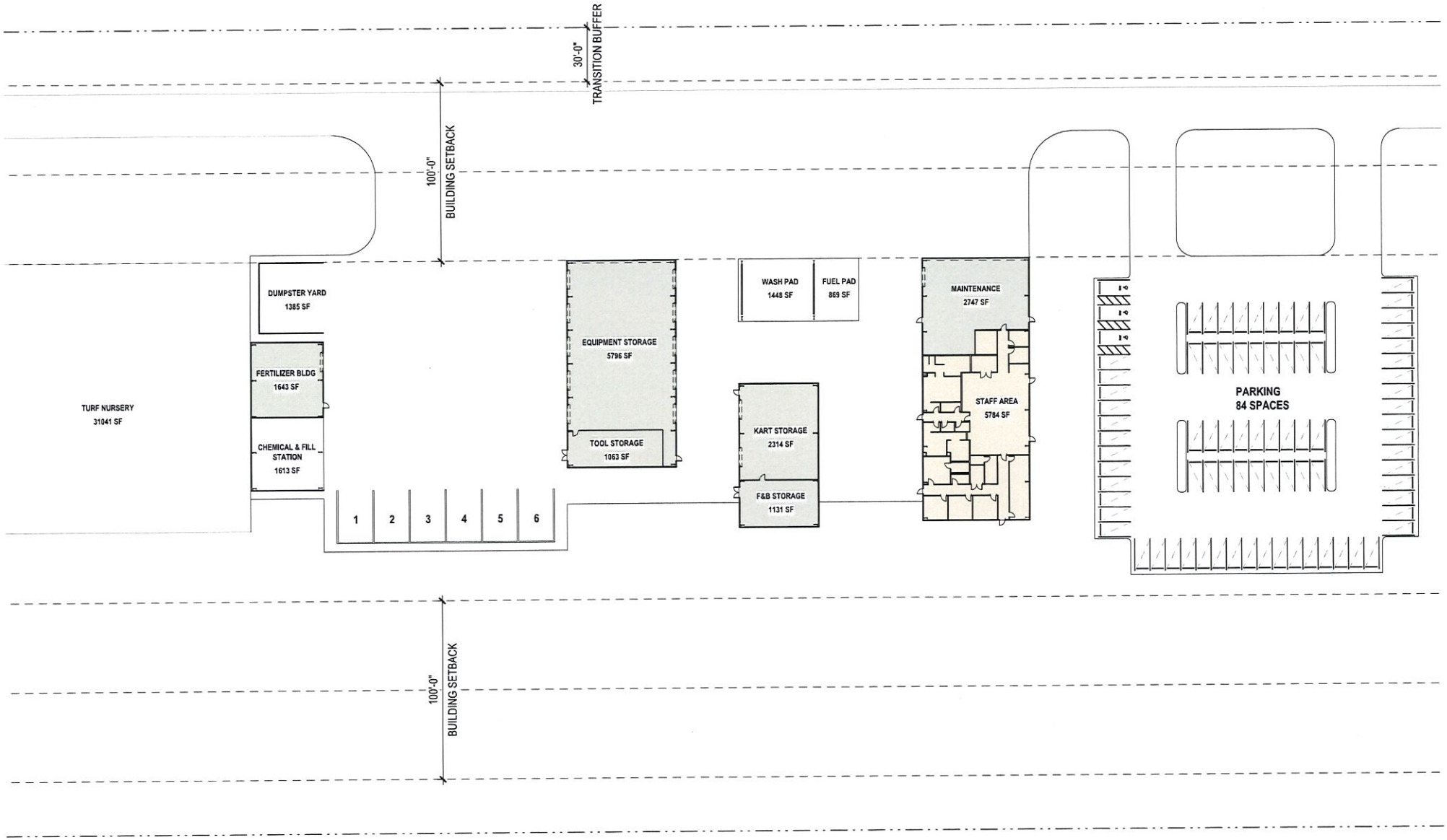
FRONTIER CLUB

07/29/26

CLUBHOUSE GENERATOR - SCALE 1" = 20'-0"

0' 40'

BECK



FRONTIER CLUB

07/29/26

MAINTENANCE FACILITY - SCALE 1" = 50'-0"

0' 100'

BECK

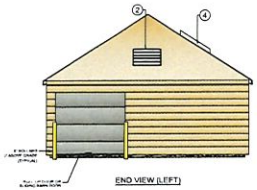
FRONTIER CLUB

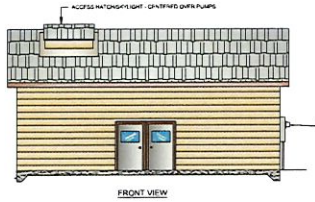
07/29/26

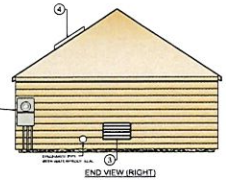
PLEASANT LAKE RD

BECK

FRONTIER CLUB





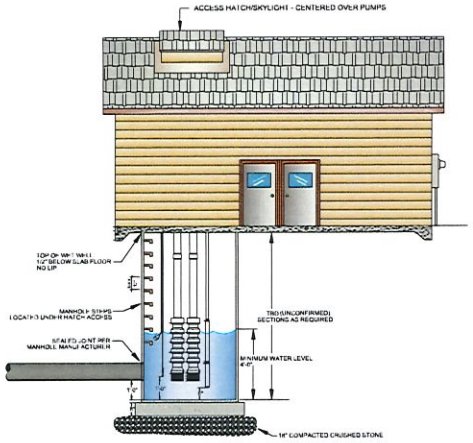


INDEX

1. REFERENCE LOCATION FOR SERVICE ENTRANCE
2. EXHAUST FAN WITH AUTOMATIC LOUVERS
3. INTAKE AUTOMATIC LOUVERS NEAR FLOOR
4. PUMP ACCESS HATCH/SKYLIGHT CENTERED OVER PUMP(S) BILGO TYPE F - 48" X 48" OR EQUAL

- RECOMMENDED PUMPHOUSE FEATURES -

- TYPICAL INTAKE STRUCTURE -



EXHAUST FAN REQUIREMENTS:

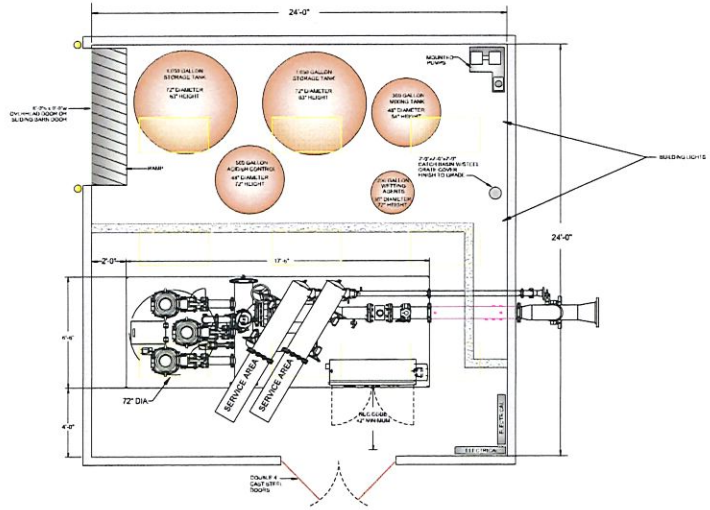
MOTOR (1) [illegible] CFM
MOTOR (3-4) [illegible] CFM

A TOTAL CAPACITY TO MOVE [illegible] CFM OF AIR IS REQUIRED

STATION STYLE: VERTICLE TURBINE

TO PRODUCE: 1800 GPM @ 180 PSI
PUMP LENGTH: TBD 30'
HORSEPOWERS: (PM1) (2-4) HP
PUMP MOTOR HOURS: (PM1) 7' (2-4) 6"
PUMP ISOLATION VALVE: (PM1) 2" (2-4) 6"
PUMP DISCHARGE VALVES: (PM1) 7" (2-4) 6"
RELIEF VALVE: 3"
STATION ISOLATION VALVE: (1) 6"
FLOWMETER: 8" FPR
MAIN DISCONNECT: 400 AMPS (277 FLA)
POWER REQUIREMENTS: 480V, 60 HZ, 3 PHASE

- RECOMMENDED SLAB DETAIL -



FERTIGATION / INJECTION SYSTEM TANKS		
QTY	SIZE	DESCRIPTION
2	1,050 GALLONS - 83" HIGH, 72" DIAMETER	FERTILIZER PRODUCTS
1	300 GALLONS - 54" HIGH, 48" DIAMETER	FERTILIZER MIX TANK
1	500 GALLONS - 72" HIGH, 48" DIAMETER	ACID/pH CONTROL PRODUCTS
1	200 GALLONS - 72" HIGH, 30" DIAMETER	WETTING AGENTS

FERTIGATION NOTES:

1. PUMP HOUSE DIMENSIONS ARE 24' X 24' (INSIDE).
2. CONTAINMENT WALL SHALL BE 16" HIGH X 6" WIDE CONCRETE OR SEALED BLOCK.
3. INJECTION PUMPS SHALL BE TABLE MOUNTED AND LAY NO TIED TO THE WETWELL FLOOR NOW THE FLOOR STAMPED.
4. CONTROL PANEL SHALL BE WALL MOUNTED AND LOCATED ADJACENT TO WETWELL.
5. SMALL DIAMETER PIPING SHALL BE ROUTED THROUGH THE BUILDING WALLS SO THAT THE TANKS ARE LOCATED OUTSIDE OF THE BUILDING.
6. CONTAINMENT AREA IS SIZED FOR A MAXIMUM VOLUME OF: (2) 1,050 GALLON, (1) 300 GALLON, (1) 500 GALLON, (1) 200 GALLON TANKS.

GROUNDING:

1. BARE COPPER WIRE PER LOCAL CODE.
2. CONSULT PER LOCAL CODE.
3. MAXIMUM 25 TO GROUND NETWORK.
4. GROUND NETWORK MUST BE BONDED WITH STRANDED WIRE.
5. POWER ENTRANCE TO THE PANEL MUST BE ON THE SIDE.
6. VERIFY WITH PUMP STATION MANUFACTURER PRIOR TO INSTALLATION.
7. GROUND QA STATION AND MAIN POWER WIRE IS RIGHT BY 20 wire OR 1 EG

SLAB & LAYOUT:

1. DIMENSIONS SHOWN ARE MINIMUM RECOMMENDED CLEARANCES FROM PUMP STATION TO INSIDE WALL. PUMP HOUSE WALL THICKNESS SHALL BE ADDED TO OBTAIN SLAB DIMENSIONS.
2. SLAB DETAIL IS PROVIDED FOR ILLUSTRATION ONLY. THE ARCHITECT OR PROJECT ENGINEER SHALL BE RESPONSIBLE FOR CONSTRUCTION DETAIL.
3. SLAB AND PUMP HOUSE MUST BE BUILT IN ACCORDANCE WITH LOCAL BUILDING CODES.
4. SLAB SHALL BE A MONOLITHIC POUR WITH A MINIMUM 3000 LB. CONCRETE.
5. SLAB AND FOOTING DEPTH SHALL BE IN ACCORDANCE WITH LOCAL BUILDING CODES.
6. REBAR SIZE AND LOCATION SHALL BE IN ACCORDANCE WITH LOCAL BUILDING CODES.
7. 4' OF ON MINIMUM TO ANY OBSTRUCTION REQUIRED BY NATIONAL ELECTRIC CODE FOR SAID SIDE WITH CONTROL PANEL AND/OR POWER PACK.
8. BUILDING LIGHTS SHALL BE 4 FOUR (4) LAMP, 4ft, 40 WATT HIGH OUTPUT FLUORESCENT FIXTURE SURFACE MOUNTED TO BOTTOM OF TRUSSES.

BUILDING:

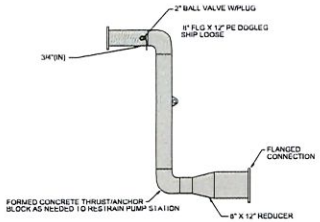
1. PUMP HOUSE TO BE BUILT IN ACCORDANCE WITH LOCAL BUILDING CODES AND ARCHITECTURAL REQUIREMENTS.
2. MATERIAL SELECTION IS AT THE DISCRETION OF THE OWNER.
3. BUILDING STYLE AND LAYOUT IS TYPICAL.

WETWELL:

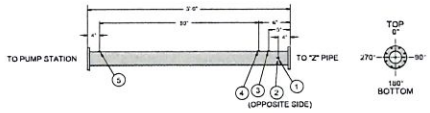
1. ALL DIMENSIONS SHALL BE FINALIZED BEFORE CONSTRUCTION.
2. MANHOLE DESIGN SPECIFICATIONS SHALL CONFORM TO LATEST ASTM C443 FOR PRECAST REINFORCED MANHOLE SECTIONS. BASE SECTION SHALL BE A ONE POUR MONOLITHIC SECTION AND INCLUDE AN 8" INTEGRAL FLOOR. 3000 PSI CONCRETE WITH 4x4 W4xW4 12" (N) O.C. BOTH WAYS.
3. FLEXIBLE WATER TIGHT JOINTS PER ASTM C443 SHALL BE USED TO JOIN CONCRETE SECTIONS.
4. INTAKE PIPE HOLE SHALL BE POSITIONED ONE FOOT (1') OFF THE BOTTOM FLOOR. CONNECTION TO INTAKE PIPE SHALL BE WITH AN APPROPRIATELY SIZED INTEGRAL RUBBER BOOT TO ACCOMMODATE THE INTAKE PIPE.
5. MANHOLE STEPS SHALL MEET ASTM REQUIREMENTS AND SHALL BE LOCATED SO THEY ARE ACCESSIBLE FROM THE PUMP STATION SERVICE HATCH. (12" O.C. ASTM C478 POSITIONED UNDER SERVICE HATCH).
6. COMPACTED BACKFILL SHALL BE USED AROUND WET WELL WITH #57 CRUSHED STONE. BACKFILL 6" LIFTS, 95% COMPACTION.
7. INTAKE PIPE AND WET WELL INSTALLATION SHALL CONFORM TO OSHA SAFETY REGULATIONS.
8. STANDARD OVERALL PUMP LENGTH IS FROM TOP OF SLAB TO THE BOTTOM OF THE INTAKE SCREEN. ADDITIONAL LENGTH MUST BE QUOTED AND FINALIZED BEFORE CONSTRUCTION AND/OR SHIPMENT.
9. PUMP SCREEN AND LOWER TWO BOWL ASSEMBLIES SHALL BE SUBMERGED (APPROXIMATELY 2'-0" MINIMUM).

WET WELL DEPTH	TBD
STANDARD PUMP LENGTH	TBD (BOTTOM OF INTAKE SCREEN)
MINIMUM WATER DEPTH	TBD
WET WELL DIMENSIONS	72" DIAMETER
INTAKE PIPE SIZE	21" DR 35 LENGTH TBD
BOX SCREEN SIZE	36"

- DISCHARGE "Z" PIPE -



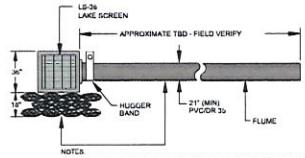
- TRANSITION SPOOL PIECE -



STAINLESS STEEL 8" FLG X 8" FLG - 5' LONG
FERTIGATION TRANSITION SPOOL SHIP LOOSE
WITH WELD ON FLANGE

FERTIGATION SPOOL				
ITEM	PURPOSE	SIZE	DIST. FROM Z-PIPE FLG.	DEGREE
1	FERT.	3/4"	4"	270
2	FERT.	3/4"	4"	90
3	WETTING AGENT	3/4"	5"	0
4	SAMPLE	3/4"	6"	0
5	PH	3/4"	4"	0
TRANSITION SPOOL THREAD-O-LETS				

- INTAKE PIPE AND SCREEN -



NOTES:

- SAND BAGS OR CRUSHED STONE FOR SUPPORT - 18" OFF POND BOTTOM.
- USE APPROPRIATE JOINT CONNECTIONS BETWEEN PIPE LENGTHS.
- INSTALL INTAKE PIPE LEVEL WITH NO HIGH POINTS.
- SUPPORT INTAKE PIPE AT REGULAR INTERVALS.

PROVIDE A HAUNCH LAYER FROM BOTTOM OF PIPE UP TO 1/2 DIAMETER. COMPACT MATERIAL TO A MINIMUM 85% DENSITY TO SUPPORT PIPE.

- COMPACT PIPE BACKFILL EVERY 6"-8" UP TO 2'-0" OVER THE PIPE.
- INTAKE PIPE TO CONNECT TO WET WELL USING RUBBER BOOT PER WET WELL MANUFACTURER'S RECOMMENDATION.

WARNING

THIS IS A PRELIMINARY DRAWING OF A TYPICAL PUMP SYSTEM OF THE SIZE AND TYPE INDICATED. THE ADDITION OF SOME OPTIONAL HARDWARE WILL AFFECT FINAL STATION CONFIGURATION AND SIZE. THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES ONLY. CONSTRUCTION MUST BE IN ACCORDANCE WITH LOCAL BUILDING AND ELECTRICAL CODES. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO ORDERING MATERIALS AND CONSTRUCTION.

- PRELIMINARY -

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FRONTIER CLUB
LODI, MICHIGAN

PUMP STATION
BUILDING AND COMPONENT LAYOUT
- PRELIMINARY -

Golf Water
Golf Course Irrigation Design & Consulting
Guilford, Connecticut
New Hope, Pennsylvania
Rochester, New York
www.golfwater.com

PROJECT NUMBER	G0939-P
DESIGNED BY	KJM
DRAWN BY	KJM
DATE	21 JUL 2026
REVISION DATE	
PLOT DATE	
SCALE	NOT TO SCALE
SHEET NUMBER	1 OF 1